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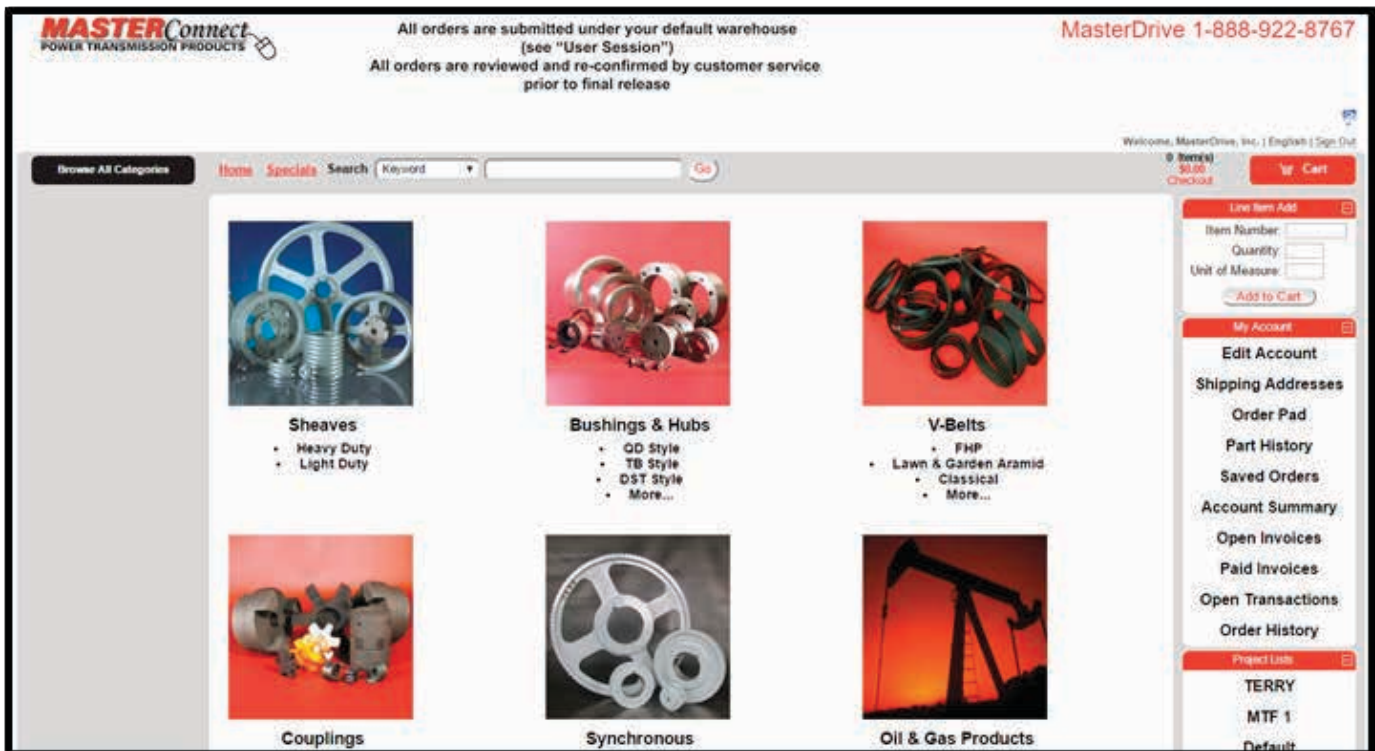
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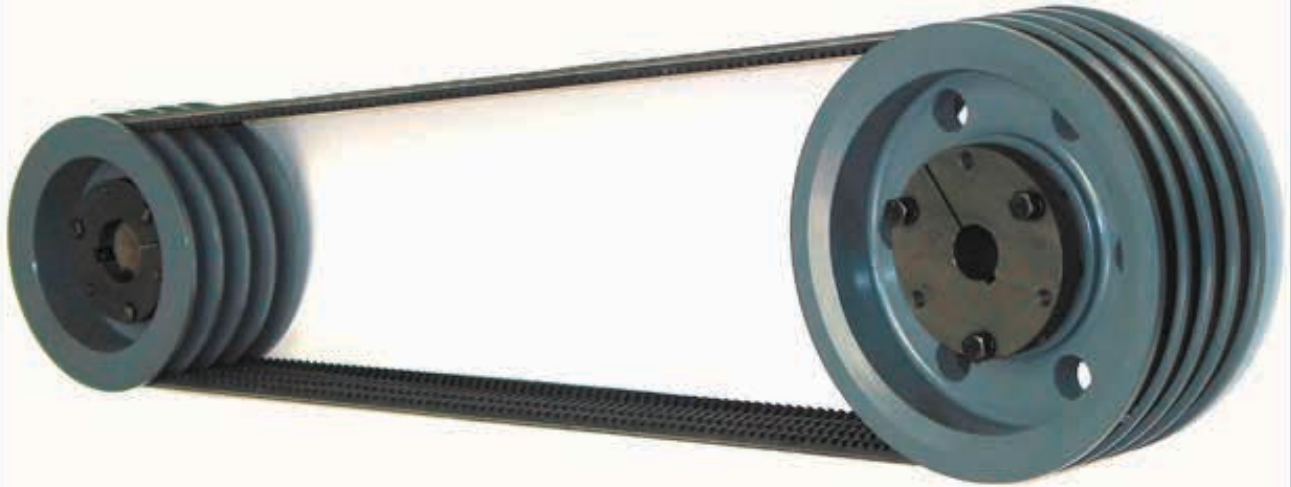
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# **MASTER**Select

## **Belt Drive Selection**



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Note: All part numbers are generic and are used for identification purposes only.

## A/B QD Sheaves

**3B 124 SK**

| Number of Grooves | Belt Size | Pitch Dia. | Bushing |
|-------------------|-----------|------------|---------|
| 3                 | A and B   | 12.4"      | SK      |

## C QD Sheaves

**8C 80 E**

| Number of Grooves | Belt Size | Pitch Dia. | Bushing |
|-------------------|-----------|------------|---------|
| 8                 | C         | 8.0"       | E       |

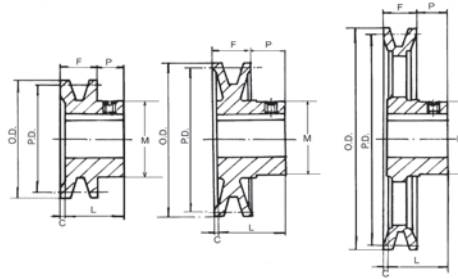
## 3V, 5V and 8V QD Sheaves

**4/5V550SD**

| Number of Grooves | Belt Size | Outside Dia. | Bushing |
|-------------------|-----------|--------------|---------|
| 4                 | 5V/5VX    | 5.50"        | SD      |

Cast Iron Sheaves - Light Duty  
Bored-to Size- One Groove  
AK17 to AK184

for 3L, 4L or A Belts. See pages 100-103.  
Ordering part number size + bore  
Example: AK20-1/2  
AK39-1-1/8



Type 1      Type 2      Type 3  
s = solid, ● lh = lighting hole, sp = spoked

**AK**

| Part No. | Diameters |      |         | Type | Dimensions |        |       |      | Stock Bore<br>Inch                          | Hub<br>Dia<br>M | Av.<br>Wgt. |
|----------|-----------|------|---------|------|------------|--------|-------|------|---------------------------------------------|-----------------|-------------|
|          | O.D.      | 3L   | 4L or A |      | F          | L      | P     | C    |                                             |                 |             |
| AK17     | 1.75      | 1.16 | 1.50    | 1 s  | 21/32      | 15/16  | 7/16  | 5/32 | 1/2, 5/8                                    | 1.6             | .40         |
| AK20     | 2.00      | 1.46 | 1.80    | 1 s  | 21/32      | 15/16  | 7/16  | 5/32 | 1/2, 5/8, 3/4                               | 1.6             | .53         |
| AK21     | 2.10      | 1.56 | 1.90    | 1 s  | 21/32      | 15/16  | 7/16  | 5/32 | 1/2, 5/8, 3/4                               | 1.6             | .57         |
| AK22     | 2.20      | 1.66 | 2.00    | 1 s  | 21/32      | 15/16  | 7/16  | 5/32 | 1/2, 5/8, 3/4                               | 1.6             | .60         |
| AK23     | 2.30      | 1.76 | 2.10    | 1 s  | 21/32      | 15/16  | 7/16  | 5/32 | 1/2, 5/8, 3/4, 7/8                          | 1.6             | .63         |
| AK25     | 2.50      | 1.96 | 2.30    | 2 s  | 21/32      | 15/16  | 7/16  | 5/32 | 1/2, 5/8, 3/4, 7/8                          | 1.6             | .73         |
| AK26     | 2.60      | 2.06 | 2.40    | 2 s  | 21/32      | 15/16  | 7/16  | 5/32 | 1/2, 5/8, 3/4, 7/8                          | 1.6             | .75         |
| AK27     | 2.70      | 2.16 | 2.50    | 2 s  | 21/32      | 15/16  | 7/16  | 5/32 | 1/2, 5/8, 3/4, 7/8                          | 1.6             | .83         |
| AK28     | 2.80      | 2.26 | 2.60    | 2 s  | 21/32      | 15/16  | 7/16  | 5/32 | 1/2, 5/8, 3/4, 7/8, 1                       | 1.6             | .84         |
| AK30     | 3.05      | 2.46 | 2.80    | 2 s  | 21/32      | 15/16  | 7/16  | 5/32 | 1/2, 5/8, 3/4, 7/8, 1                       | 1.6             | .98         |
| AK32     | 3.25      | 2.66 | 3.00    | 2 s  | 21/32      | 15/16  | 7/16  | 5/32 | 1/2, 5/8, 3/4, 7/8, 1                       | 1.6             | 1.1         |
| AK34     | 3.45      | 2.86 | 3.20    | 2 s  | 21/32      | 15/16  | 7/16  | 5/32 | 1/2, 5/8, 3/4, 7/8, 1                       | 1.6             | 1.2         |
| AK39     | 3.75      | 3.16 | 3.50    | 2 s  | 3/4        | 1 5/32 | 15/32 | 1/16 | 5/8, 3/4, 7/8, 15/16, 1, 1/2, 1 1/8         | 1.6             | 1.5         |
| AK41     | 3.95      | 3.36 | 3.70    | 2 s  | 3/4        | 1 5/32 | 15/32 | 1/16 | 5/8, 3/4, 7/8, 15/16, 1, 1/2                | 1.6             | 1.8         |
| AK44     | 4.25      | 3.66 | 4.00    | 3 s  | 3/4        | 1 5/32 | 15/32 | 1/16 | 5/8, 3/4, 7/8, 15/16, 1, 1/2, 1 1/8         | 1.6             | 1.9         |
| AK46     | 4.45      | 3.86 | 4.20    | 3 s  | 3/4        | 1 5/32 | 15/32 | 1/16 | 5/8, 3/4, 7/8, 15/16, 1, 1/2, 1 1/8         | 1.6             | 2.0         |
| AK49     | 4.75      | 4.16 | 4.50    | 3 s  | 3/4        | 1 5/32 | 15/32 | 1/16 | 5/8, 3/4, 7/8, 15/16, 1, 1/2, 1 1/8         | 1.6             | 2.2         |
| AK51     | 4.95      | 4.36 | 4.70    | 3 s  | 3/4        | 1 5/32 | 15/32 | 1/16 | 5/8, 3/4, 7/8, 1, 1/2, 1 1/8                | 1.6             | 2.4         |
| AK54     | 5.25      | 4.66 | 5.00    | 3 s  | 3/4        | 1 5/32 | 15/32 | 1/16 | 5/8, 3/4, 7/8, 15/16, 1, 1/2, 1 1/8, 1 3/16 | 1.6             | 2.6         |
| AK56     | 5.45      | 4.86 | 5.20    | 3 s  | 3/4        | 1 5/32 | 15/32 | 1/16 | 5/8, 3/4, 7/8, 15/16, 1, 1/2, 1 1/8, 1 3/16 | 1.6             | 2.7         |
| AK59     | 5.75      | 5.16 | 5.50    | 3 s  | 3/4        | 1 5/32 | 15/32 | 1/16 | 5/8, 3/4, 7/8, 15/16, 1, 1/2, 1 1/8, 1 3/16 | 1.6             | 2.9         |
| AK61     | 5.95      | 5.36 | 5.70    | 3 s  | 3/4        | 1 5/32 | 15/32 | 1/16 | 5/8, 3/4, 7/8, 15/16, 1, 1/2, 1 1/8, 1 3/16 | 1.6             | 3.2         |
| AK64     | 6.25      | 5.66 | 6.00    | 3 s  | 3/4        | 1 5/32 | 15/32 | 1/16 | 5/8, 3/4, 7/8, 15/16, 1, 1/2, 1 1/8, 1 3/16 | 1.6             | 3.0         |

| Standard Key Dimensions |               |
|-------------------------|---------------|
| Shaft Dia.              | Keyseat W x D |
| 1/2                     | None          |
| 5/8 - 7/8               | 3/16 x 3/32   |
| 15/16 - 1 1/4           | 1/4 x 1/8     |
| 1 5/16 - 1 3/8          | 5/16 x 5/32   |
| 1 7/16 - 1 3/4          | 3/8 x 3/16    |

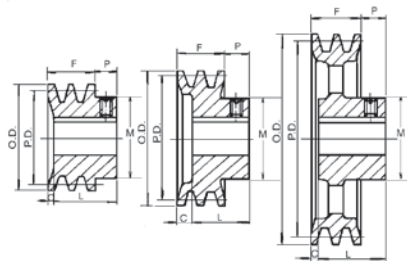
AK Sheaves are accurately machined from gray cast iron, statically balanced, painted and individually packaged. They are furnished with standard keyway & 2 set screws. All set screws are 5/16-18 knurled. Recommended tightening torque is 110-130 inch-lbs.

| Part No. | Diameters |       |         | Type | Dimensions |         |       |      | Stock Bore<br>Inch                                    | Hub<br>Dia<br>M | Av.<br>Wgt. |
|----------|-----------|-------|---------|------|------------|---------|-------|------|-------------------------------------------------------|-----------------|-------------|
|          | O.D.      | 3L    | 4L or A |      | F          | L       | P     | C    |                                                       |                 |             |
| AK66     | 6.45      | 5.86  | 6.20    | 3 s  | 3/4        | 1 5/32  | 15/32 | 1/16 | 5/8, 3/4, 1, 1 1/8                                    | 1.6             | 3.1         |
| AK69     | 6.75      | 6.16  | 6.50    | 3 lh | 3/4        | 1 15/32 | 23/32 | 0    | 3/4, 7/8, 1, 1 1/8                                    | 1.6             | 3.5         |
| AK71     | 6.95      | 6.36  | 6.70    | 3 lh | 3/4        | 1 15/32 | 23/32 | 0    | 5/8, 3/4, 7/8, 1, 1 1/8, 1 7/16                       | 1.6             | 3.8         |
| AK74     | 7.25      | 6.66  | 7.00    | 3 lh | 3/4        | 1 15/32 | 23/32 | 0    | 5/8, 3/4, 15/16, 1, 1 1/8, 1 3/16, 1 1/4, 1/2, 1 7/16 | 1.6             | 4.2         |
| AK79     | 7.75      | 7.16  | 7.50    | 3 lh | 3/4        | 1 15/32 | 23/32 | 0    | 3/4, 1, 1 1/8, 1 7/16                                 | 1.6             | 4.5         |
| AK84     | 8.25      | 7.66  | 8.00    | 3 lh | 3/4        | 1 15/32 | 23/32 | 0    | 5/8, 3/4, 15/16, 1, 1 3/16, 1/2, 1 7/16               | 1.6             | 5.0         |
| AK89     | 8.75      | 8.16  | 8.50    | 3 lh | 3/4        | 1 15/32 | 23/32 | 0    | 3/4, 1, 1 1/8, 1 7/16                                 | 1.6             | 5.4         |
| AK94     | 9.25      | 8.66  | 9.00    | 3 lh | 3/4        | 1 15/32 | 23/32 | 0    | 5/8, 3/4, 15/16, 1, 1 3/16, 1 1/4, 1/2, 1 7/16        | 1.6             | 5.9         |
| AK99     | 9.75      | 9.16  | 9.50    | 3 lh | 3/4        | 1 15/32 | 23/32 | 0    | 3/4, 1, 1 7/16                                        | 1.6             | 6.1         |
| AK104    | 10.25     | 9.66  | 10.00   | 3 sp | 3/4        | 1 15/32 | 23/32 | 0    | 5/8, 3/4, 1, 1 3/16, 1 1/4, 1 3/8, 1 7/16             | 1.7             | 6.9         |
| AK109    | 10.75     | 10.16 | 10.50   | 3 sp | 3/4        | 1 15/32 | 23/32 | 0    | 3/4, 1, 1 3/8, 1 7/16                                 | 1.7             | 7.3         |
| AK114    | 11.25     | 10.66 | 11.00   | 3 sp | 3/4        | 1 15/32 | 23/32 | 0    | 3/4, 1, 1 3/16, 1 7/16                                | 1.7             | 7.4         |
| AK124    | 12.25     | 11.66 | 12.00   | 3 sp | 3/4        | 1 15/32 | 23/32 | 0    | 5/8, 3/4, 7/8, 1, 1 3/16, 1 1/4, 1 7/16               | 1.7             | 8.3         |
| AK134    | 13.25     | 12.66 | 13.00   | 3 sp | 3/4        | 1 15/32 | 23/32 | 0    | 3/4, 1, 1 3/16, 1 3/8, 1 7/16                         | 1.7             | 9.3         |
| AK144    | 14.25     | 13.66 | 14.00   | 3 sp | 3/4        | 1 15/32 | 23/32 | 0    | 3/4, 1, 1 3/16, 1 7/16                                | 1.7             | 10.8        |
| AK154    | 15.25     | 14.66 | 15.00   | 3 sp | 3/4        | 1 15/32 | 23/32 | 0    | 3/4, 1, 1 3/16, 1 3/8, 1 7/16                         | 1.7             | 12.6        |
| AK184    | 18.25     | 17.66 | 18.00   | 3 sp | 3/4        | 1 15/32 | 23/32 | 0    | 3/4, 1, 1 3/16, 1 7/16                                | 1.7             | 17.1        |



# Bored-To-Size Sheaves

Cast Iron Sheaves - **Light Duty**  
Bored-to Size, **Two Groove**  
2AK20 to 2AK184



**MASTERDRIVE**  
POWER TRANSMISSION PRODUCTS



for 3L, 4L or A Belts. See pages 100-103.

Order part number size + bore

Example: 2AK20-1/2

2AK39-1-1/8

Type 1

Type 2

Type 3

s = solid, ● lh = lighting hole, ☼ sp = spoked ☒

**2AK**

| Part No. | Diameters |            |           | Type | Dimensions |         |       |      | Stock Bores in Inches                              | Hub Dia M | Series Average Weight |
|----------|-----------|------------|-----------|------|------------|---------|-------|------|----------------------------------------------------|-----------|-----------------------|
|          | O.D.      | Pitch "3L" | "4L or A" |      | F          | L       | P     | C    |                                                    |           |                       |
| 2AK20    | 2.00      | 1.46       | 1.80      | 1 s  | 1 3/8      | 1 21/32 | 15/32 | 3/16 | 1/2, 5/8, 3/4, 7/8                                 | 1.6       | .83                   |
| 2AK21    | 2.15      | 1.56       | 1.90      | 1 s  | 1 3/8      | 1 21/32 | 15/32 | 3/16 | 1/2, 5/8, 3/4                                      | 1.6       | .97                   |
| 2AK22    | 2.25      | 1.66       | 2.00      | 1 s  | 1 3/8      | 1 21/32 | 15/32 | 3/16 | 1/2, 5/8, 3/4, 7/8                                 | 1.6       | 1.0                   |
| 2AK23    | 2.35      | 1.76       | 2.10      | 1 s  | 1 3/8      | 1 21/32 | 15/32 | 3/16 | 5/8, 3/4, 7/8, 1                                   | 1.7       | 1.1                   |
| 2AK25    | 2.55      | 1.96       | 2.30      | 1 s  | 1 3/8      | 1 21/32 | 15/32 | 3/16 | 5/8, 3/4, 7/8, 1                                   | 1.7       | 1.3                   |
| 2AK26    | 2.65      | 2.06       | 2.40      | 1 s  | 1 3/8      | 1 21/32 | 15/32 | 3/16 | 5/8, 3/4, 7/8, 1                                   | 1.7       | 1.4                   |
| 2AK27    | 2.75      | 2.16       | 2.50      | 1 s  | 1 3/8      | 1 21/32 | 15/32 | 3/16 | 5/8, 3/4, 7/8, 1                                   | 1.9       | 1.6                   |
| 2AK28    | 2.85      | 2.26       | 2.60      | 1 s  | 1 3/8      | 1 21/32 | 15/32 | 3/16 | 5/8, 3/4, 7/8, 1                                   | 1.9       | 1.7                   |
| 2AK30    | 3.05      | 2.46       | 2.80      | 1 s  | 1 3/8      | 1 21/32 | 15/32 | 3/16 | 1/2, 5/8, 3/4, 7/8, 1, 1 1/8                       | 1.9       | 2.0                   |
| 2AK32    | 3.25      | 2.66       | 3.00      | 1 s  | 1 3/8      | 1 21/32 | 15/32 | 3/16 | 1/2, 5/8, 3/4, 7/8, 1, 1 1/8                       | 1.9       | 2.3                   |
| 2AK34    | 3.45      | 2.86       | 3.20      | 1 s  | 1 3/8      | 1 21/32 | 15/32 | 3/16 | 1/2, 5/8, 3/4, 7/8, 1, 1 1/8                       | 1.9       | 2.5                   |
| 2AK39    | 3.75      | 3.16       | 3.50      | 2 s  | 1 3/8      | 1 11/32 | 15/32 | 1/2  | 1/2, 5/8, 3/4, 7/8, 1, 1 1/8                       | 1.9       | 2.6                   |
| 2AK41    | 3.95      | 3.36       | 3.70      | 2 s  | 1 3/8      | 1 11/32 | 15/32 | 1/2  | 5/8, 3/4, 7/8, 1, 1 1/8                            | 1.9       | 2.8                   |
| 2AK44    | 4.25      | 3.66       | 4.00      | 2 s  | 1 3/8      | 1 11/32 | 15/32 | 1/2  | 5/8, 3/4, 7/8, 1, 1 1/8                            | 1.9       | 3.2                   |
| 2AK46    | 4.45      | 3.86       | 4.20      | 2 s  | 1 3/8      | 1 11/32 | 15/32 | 1/2  | 7/8, 1, 1 1/8                                      | 1.6       | 2.9                   |
| 2AK49    | 4.75      | 4.16       | 4.50      | 2 s  | 1 3/8      | 1 11/32 | 15/32 | 1/2  | 3/4, 7/8, 1, 1 1/8, 1 3/8                          | 1.9       | 3.2                   |
| 2AK51    | 4.95      | 4.36       | 4.70      | 2 s  | 1 3/8      | 1 11/32 | 15/32 | 1/2  | 3/4, 7/8, 1, 1 1/8, 1 3/8                          | 1.6       | 3.4                   |
| 2AK54    | 5.25      | 4.66       | 5.00      | 3 s  | 1 3/8      | 1 11/32 | 15/32 | 1/2  | 5/8, 3/4, 7/8, 1, 1 1/8, 1 3/8                     | 1.9       | 3.7                   |
| 2AK56    | 5.45      | 4.86       | 5.20      | 3 s  | 1 3/8      | 1 11/32 | 15/32 | 1/2  | 5/8, 3/4, 1, 1 1/8, 1 3/8                          | 1.6       | 3.9                   |
| 2AK59    | 5.75      | 5.16       | 5.50      | 3 s  | 1 3/8      | 1 11/32 | 15/32 | 1/2  | 1, 1 1/8, 1 3/8                                    | 1.9       | 4.4                   |
| 2AK61    | 5.95      | 5.36       | 5.70      | 3 s  | 1 3/8      | 1 11/32 | 15/32 | 1/2  | 3/4, 7/8, 1, 1 1/8, 1 3/8                          | 1.6       | 4.5                   |
| 2AK64    | 6.25      | 5.66       | 6.00      | 3 s  | 1 3/8      | 1 19/32 | 11/32 | 1/8  | 3/4, 1, 1 1/8, 1 3/16, 1 3/8, 1 7/16               | 1.7       | 5.2                   |
| 2AK74    | 7.25      | 6.66       | 7.00      | 3 lh | 1 3/8      | 1 19/32 | 11/32 | 1/8  | 3/4, 1, 1 1/8, 1 3/16, 1 3/8, 1 7/16               | 2.0       | 6.0                   |
| 2AK84    | 8.25      | 7.66       | 8.00      | 3 lh | 1 3/8      | 1 19/32 | 11/32 | 1/8  | 3/4, 15/16, 1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16 | 1.7       | 7.0                   |
| 2AK94    | 9.25      | 8.66       | 9.00      | 3 lh | 1 3/8      | 1 19/32 | 11/32 | 1/8  | 3/4, 1, 1 1/8, 1 3/16, 1 3/8, 1 7/16               | 2.0       | 8.2                   |
| 2AK104   | 10.25     | 9.66       | 10.00     | 3 sp | 1 3/8      | 1 19/32 | 11/32 | 1/8  | 3/4, 15/16, 1, 1 7/16                              | 1.7       | 9.6                   |
| 2AK114   | 11.25     | 10.66      | 11.00     | 3 sp | 1 3/8      | 1 19/32 | 11/32 | 1/8  | 3/4, 1, 1 3/16, 1 3/8, 1 7/16                      | 1.7       | 11.2                  |
| 2AK124   | 12.25     | 11.66      | 12.00     | 3 sp | 1 3/8      | 1 19/32 | 11/32 | 1/8  | 3/4, 1, 1 3/16, 1 7/16                             | 1.7       | 12.1                  |
| 2AK134   | 13.25     | 12.66      | 13.00     | 3 sp | 1 3/8      | 1 19/32 | 11/32 | 1/8  | 1 3/16, 1 7/16                                     | 2.2       | 13.6                  |
| 2AK144   | 14.25     | 13.66      | 14.00     | 3 sp | 1 3/8      | 1 19/32 | 11/32 | 1/8  | 1, 1 7/16                                          | 1.7       | 14.6                  |
| 2AK154   | 15.25     | 14.66      | 15.00     | 3 sp | 1 3/8      | 1 19/32 | 11/32 | 1/8  | 1 3/16, 1 7/16                                     | 2.2       | 16.5                  |
| 2AK184   | 18.25     | 17.66      | 18.00     | 3 sp | 1 3/8      | 1 19/32 | 11/32 | 1/8  | 1 3/16, 1 7/16                                     | 2.2       | 22.7                  |

## Standard Key Dimensions

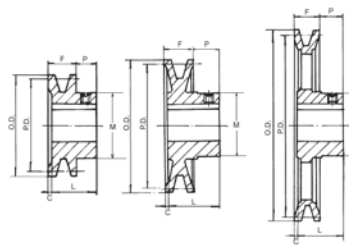
| Shaft Dia.     | Keyseat W x D |
|----------------|---------------|
| 1/2            | None          |
| 5/8 - 7/8      | 3/16 x 3/32   |
| 15/16 - 1 1/4  | 1/4 x 1/8     |
| 1 5/16 - 1 3/8 | 5/16 x 5/32   |
| 1 7/16 - 1 3/4 | 3/8 x 3/16    |

2AK Sheaves are accurately machined from gray cast iron, statically balanced, painted and individually packaged. They are furnished with standard keyway & 2 set screws. All set screws are 5/16-18 knurled. Recommended tightening torque is 110-130 inch-lbs.

Cast Iron Sheaves - Light Duty  
Bored-to Size, One Groove  
BK24 to BK190  
for 4L or A, 5L or B Belts. See pages  
100-108

Order part number size + bore  
Example: BK24-1/2

BK45-1-1/8



Type 1    Type 2    Type 3

s = solid, ● lh = lighting hole, ⊙ sp = spoked ⊗

## Bored-To-Size Sheaves



BK

| Part No. | Diameters |         |         | Type | Dimensions |        |       |      | Stock Bore in.               | Hub Dia M | Series Av. Wgt. |
|----------|-----------|---------|---------|------|------------|--------|-------|------|------------------------------|-----------|-----------------|
|          | O.D.      | 4L or A | 5L or B |      | F          | L      | P     | C    |                              |           |                 |
| BK24     | 2.40      | 1.80    | 2.20    | 1 s  | 13/16      | 1 1/16 | 13/32 | 5/32 | 1/2, 5/8, 3/4, 7/8           | 1.6       | .73             |
| BK25     | 2.50      | 1.90    | 2.30    | 1 s  | 13/16      | 1 1/16 | 13/32 | 5/32 | 1/2, 5/8, 3/4, 7/8, 1        | 1.6       | .74             |
| BK26     | 2.60      | 2.00    | 2.40    | 1 s  | 13/16      | 1 1/16 | 13/32 | 5/32 | 1/2, 5/8, 3/4, 7/8           | 1.6       | .80             |
| BK27     | 2.70      | 2.10    | 2.50    | 2 s  | 13/16      | 1 1/16 | 13/32 | 5/32 | 1/2, 5/8, 3/4, 7/8, 1        | 1.6       | .84             |
| BK28     | 2.95      | 2.20    | 2.60    | 2 s  | 13/16      | 1 1/16 | 13/32 | 5/32 | 1/2, 5/8, 3/4, 7/8, 1, 1 1/8 | 1.6       | 1.0             |
| BK30     | 3.15      | 2.40    | 2.80    | 2 s  | 13/16      | 1 1/16 | 13/32 | 5/32 | 1/2, 5/8, 3/4, 7/8, 1, 1 1/8 | 1.6       | 1.2             |
| BK32     | 3.35      | 2.60    | 3.00    | 2 s  | 13/16      | 1 1/16 | 13/32 | 5/32 | 1/2, 5/8, 3/4, 7/8, 1, 1 1/8 | 1.6       | 1.2             |
| BK34     | 3.55      | 2.80    | 3.20    | 2 s  | 7/8        | 1 5/32 | 13/32 | 1/8  | 1/2, 5/8, 3/4, 7/8, 1, 1 1/8 | 1.9       | 1.7             |
| BK36     | 3.75      | 3.00    | 3.40    | 2 s  | 7/8        | 1 5/32 | 13/32 | 1/8  | 1/2, 5/8, 3/4, 7/8, 1, 1 1/8 | 1.9       | 1.9             |
| BK40     | 3.95      | 3.20    | 3.60    | 2 s  | 7/8        | 1 5/32 | 13/32 | 1/8  | 1/2, 5/8, 3/4, 7/8, 1, 1 1/8 | 1.9       | 2.1             |
| BK45     | 4.25      | 3.50    | 3.90    | 2 s  | 7/8        | 1 5/32 | 13/32 | 1/8  | 5/8, 3/4, 7/8, 1, 1 1/8      | 1.6       | 2.1             |
| BK47     | 4.45      | 3.70    | 4.10    | 2 s  | 7/8        | 1 5/32 | 13/32 | 1/8  | 5/8, 3/4, 7/8, 1, 1 1/8      | 1.6       | 2.2             |
| BK50     | 4.75      | 4.00    | 4.40    | 3 s  | 7/8        | 1 5/32 | 13/32 | 1/8  | 5/8, 3/4, 7/8, 1, 1 1/8      | 1.6       | 2.5             |
| BK52     | 4.95      | 4.20    | 4.60    | 3 s  | 7/8        | 1 5/32 | 13/32 | 1/8  | 5/8, 3/4, 7/8, 1, 1 1/8      | 1.6       | 2.6             |
| BK55     | 5.25      | 4.50    | 4.90    | 3 s  | 7/8        | 1 5/32 | 13/32 | 1/8  | 5/8, 3/4, 7/8, 1, 1 1/8      | 1.6       | 3.0             |
| BK57     | 5.45      | 4.70    | 5.10    | 3 s  | 7/8        | 1 5/32 | 13/32 | 1/8  | 5/8, 3/4, 7/8, 1, 1 1/8      | 1.6       | 3.1             |
| BK60     | 5.75      | 5.00    | 5.40    | 3 s  | 7/8        | 1 5/32 | 13/32 | 1/8  | 5/8, 3/4, 7/8, 1, 1 1/8      | 1.6       | 3.4             |
| BK62     | 5.95      | 5.20    | 5.60    | 3 s  | 7/8        | 1 5/32 | 13/32 | 1/8  | 5/8, 3/4, 7/8, 1, 1 1/8      | 1.6       | 3.6             |
| BK65     | 6.25      | 5.50    | 5.90    | 3 s  | 7/8        | 1 5/32 | 13/32 | 1/8  | 5/8, 3/4, 7/8, 1, 1 1/8      | 1.6       | 3.9             |
| BK67     | 6.45      | 5.70    | 6.10    | 3 s  | 7/8        | 1 5/32 | 13/32 | 1/8  | 5/8, 3/4, 7/8, 1, 1 1/8      | 1.6       | 3.7             |
| BK70     | 6.75      | 6.00    | 6.40    | 3 s  | 7/8        | 1 5/32 | 21/32 | 1/16 | 5/8, 3/4, 7/8, 1, 1 1/8      | 1.6       | 4.6             |
| BK72     | 6.95      | 6.20    | 6.60    | 3 s  | 7/8        | 1 5/32 | 21/32 | 1/16 | 5/8, 3/4, 7/8, 1, 1 1/8      | 1.6       | 4.4             |

| Part No. | Diameters |         |         | Type | Dimensions |         |       |      | Dia Stock Bore in.                                      | Hub M | Series Average Weight |
|----------|-----------|---------|---------|------|------------|---------|-------|------|---------------------------------------------------------|-------|-----------------------|
|          | O.D.      | 4L or A | 5L or B |      | F          | L       | P     | C    |                                                         |       |                       |
| BK75     | 7.25      | 6.50    | 6.90    | 3 lh | 7/8        | 1 15/32 | 21/32 | 1/16 | 3/4, 1, 1 1/8, 1 3/8                                    | 1.6   | 4.6                   |
| BK77     | 7.45      | 6.70    | 7.10    | 3 lh | 7/8        | 1 15/32 | 21/32 | 1/16 | 3/4, 1, 1 1/8, 1 3/8                                    | 1.6   | 5.1                   |
| BK80     | 7.75      | 7.00    | 7.40    | 3 lh | 7/8        | 1 15/32 | 21/32 | 1/16 | 5/8, 3/4, 7/8, 1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16   | 1.6   | 5.4                   |
| BK85     | 8.25      | 7.50    | 7.90    | 3 lh | 7/8        | 1 15/32 | 21/32 | 1/16 | 3/4, 1, 1 1/8, 1 3/8, 1 7/16                            | 1.6   | 5.8                   |
| BK90     | 8.75      | 8.00    | 8.40    | 3 lh | 7/8        | 1 15/32 | 21/32 | 1/16 | 3/4, 7/8, 15/16, 1, 1 1/8, 1 3/16, 1 3/8, 1 7/16        | 1.6   | 6.1                   |
| BK95     | 9.25      | 8.50    | 8.90    | 3 lh | 7/8        | 1 15/32 | 21/32 | 1/16 | 3/4, 1, 1 1/8, 1 3/8                                    | 1.6   | 7.0                   |
| BK100    | 9.75      | 9.00    | 9.40    | 3 lh | 7/8        | 1 15/32 | 21/32 | 1/16 | 3/4, 7/8, 15/16, 1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16 | 1.6   | 7.4                   |
| BK105    | 10.25     | 9.50    | 9.90    | 3 lh | 7/8        | 1 15/32 | 21/32 | 1/16 | 1, 1 3/8, 1 7/16                                        | 1.7   | 8.0                   |
| BK110    | 10.75     | 10.00   | 10.40   | 3 sp | 7/8        | 1 15/32 | 21/32 | 1/16 | 3/4, 1, 1 1/8, 1 3/16, 1 3/8, 1 7/16                    | 1.7   | 8.5                   |
| BK115    | 11.25     | 10.50   | 10.90   | 3 sp | 7/8        | 1 15/32 | 21/32 | 1/16 | 1, 1 7/16                                               | 1.7   | 8.9                   |
| BK120    | 11.75     | 11.00   | 11.40   | 3 sp | 7/8        | 1 15/32 | 21/32 | 1/16 | 3/4, 1, 1 3/16, 1 1/4, 1 7/16                           | 1.7   | 10.0                  |
| BK130    | 12.75     | 12.00   | 12.40   | 3 sp | 7/8        | 1 15/32 | 21/32 | 1/16 | 3/4, 1, 1 1/8, 1 3/16, 1 1/4, 1 7/16                    | 1.7   | 10.8                  |
| BK140    | 13.75     | 13.00   | 13.40   | 3 sp | 7/8        | 1 15/32 | 21/32 | 1/16 | 3/4, 1, 1 3/16, 1 7/16                                  | 1.7   | 12.1                  |
| BK160    | 15.75     | 15.00   | 15.40   | 3 sp | 7/8        | 1 15/32 | 21/32 | 1/16 | 1, 1 1/8, 1 3/16, 1 1/4, 1 7/16                         | 1.7   | 14.4                  |
| BK190    | 18.75     | 18.00   | 18.40   | 3 sp | 7/8        | 1 15/32 | 21/32 | 1/16 | 1, 1 3/16, 1 1/4, 1 7/16                                | 1.7   | 21.3                  |

### MasterDrive Bore/Keyway Specifications

| Bore Size Nominal | Bore Size Nominal  |                   |                        | Key Tolerances Key Width Range |                    |                    |
|-------------------|--------------------|-------------------|------------------------|--------------------------------|--------------------|--------------------|
| Dimension (mm)    | Dimension (inches) | G8 Tolerance (mm) | G8 Tolerance (inches)  | >                              | <                  | inches             |
| 6-10              | .2362-.3937        | High Low          | +0.027 mm<br>+0.005 mm | High Low                       | +0.010"<br>+0.001" | * 1/2" +.002"      |
| 10-18             | .3937-.7087        | High Low          | +0.033 mm<br>+0.006 mm | High Low                       | +0.013"<br>+0.002" | * 3/4" +.003"      |
| 18-30             | .7087-1.1811       | High Low          | +0.040mm<br>+0.007mm   | High Low                       | +0.016"<br>+0.003" | * 1" 1 1/2" +.004" |
| 30-50             | 1.1811-1.9685      | High Low          | +0.048mm<br>+0.009mm   | High Low                       | +0.019"<br>+0.003" | * +.003"           |
| 50-80             | 1.9685-3.1496      | High Low          | +0.056mm<br>+0.010mm   | High Low                       | +0.022"<br>+0.003" | * +.003"           |
| 80-120            | 3.1496-4.7244      | High Low          | +0.066mm<br>+0.012mm   | High Low                       | +0.026"<br>+0.004" | * +.004"           |
| 120-180           | 4.7244-7.0866      | High Low          | +0.077mm<br>+0.014mm   | High Low                       | +0.030"<br>+0.005" | * +.005"           |
| 180-250           | 7.0866-9.8425      | High Low          | +0.087mm<br>+0.015mm   | High Low                       | +0.034"<br>+0.005" | * +.005"           |

| Standard Key Dimensions |               |
|-------------------------|---------------|
| Shaft Dia.              | Keyseat W x D |
| 1/2                     | None          |
| 5/8 - 7/8               | 3/16 x 3/32   |
| 1 5/16 - 1 1/4          | 1/4 x 1/8     |
| 1 5/16 - 1 3/8          | 5/16 x 5/32   |
| 1 7/16 - 1 3/4          | 3/8 x 3/16    |

BK Sheaves are accurately machined from gray cast iron, statically balanced, painted and individually packaged. They are furnished with standard keyway & 2 set screws. All set screws are 5/16-18 knurled. Recommended tightening torque is 110-130 inch-lbs.

# Bored-To-Size Sheaves

Cast Iron Sheaves - Light Duty

Bored-to Size, Two Groove

2BK25 to 2BK190

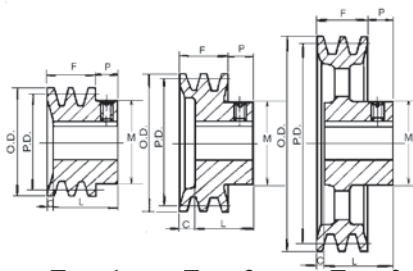
for 4L or A, 5L or B Belts. See pages

100-108

Order part number size + bore

Example: 2BK25-1/2

2BK47-1-1/8



Type 1

Type 2

Type 3

s = solid, ● lh = lighting hole, ☼ sp = spoked ☒

**MASTERDRIVE**  
POWER TRANSMISSION PRODUCTS



2BK

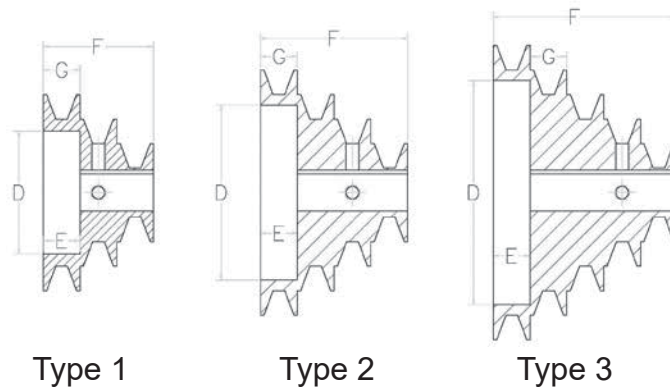
| Part No. | Diameters |       |                     | Type | Dimensions |         |       |     | Stock Bores in Inches               | Hub Dia M | Series Average Weight |
|----------|-----------|-------|---------------------|------|------------|---------|-------|-----|-------------------------------------|-----------|-----------------------|
|          | O.D.      | Pitch | "4L or A" "5L or B" |      | F          | L       | P     | C   |                                     |           |                       |
| 2BK25    | 2.50      | 1.90  | 2.30                | 1 s  | 1 3/4      | 1 31/32 | 15/32 | 1/4 | 1/2, 5/8, 3/4, 7/8                  | 1.6       | 1.5                   |
| 2BK27    | 2.70      | 2.10  | 2.50                | 1 s  | 1 3/4      | 1 31/32 | 15/32 | 1/4 | 1/2, 5/8, 3/4, 7/8, 1, 1 1/8        | 1.7       | 1.7                   |
| 2BK28    | 2.95      | 2.20  | 2.60                | 1 s  | 1 3/4      | 1 31/32 | 15/32 | 1/4 | 1/2, 5/8, 3/4, 7/8, 1, 1 1/8        | 1.9       | 2.1                   |
| 2BK30    | 3.15      | 2.40  | 2.80                | 1 s  | 1 3/4      | 1 31/32 | 15/32 | 1/4 | 1/2, 5/8, 3/4, 7/8, 1, 1 1/8, 1 3/8 | 1.9       | 2.3                   |
| 2BK32    | 3.35      | 2.60  | 3.00                | 1 s  | 1 3/4      | 1 31/32 | 15/32 | 1/4 | 5/8, 3/4, 7/8, 1, 1 1/8             | 1.6       | 2.7                   |
| 2BK34    | 3.55      | 2.80  | 3.20                | 1 s  | 1 3/4      | 1 31/32 | 15/32 | 1/4 | 5/8, 3/4, 7/8, 1, 1 1/8             | 1.6       | 3.1                   |
| 2BK36    | 3.75      | 3.00  | 3.40                | 1 s  | 1 3/4      | 1 31/32 | 15/32 | 1/4 | 5/8, 3/4, 7/8, 1, 1 1/8, 1 3/8      | 1.6       | 3.4                   |
| 2BK40    | 3.95      | 3.20  | 3.60                | 2 s  | 1 3/4      | 1 15/32 | 15/32 | 3/4 | 5/8, 3/4, 7/8, 1, 1 1/8             | 1.6       | 3.4                   |
| 2BK45    | 4.25      | 3.50  | 3.90                | 2 s  | 1 3/4      | 1 15/32 | 15/32 | 3/4 | 1, 1 1/8, 1 3/8                     | 1.9       | 4.0                   |
| 2BK47    | 4.45      | 3.70  | 4.10                | 2 s  | 1 3/4      | 1 15/32 | 15/32 | 3/4 | 7/8, 1, 1 1/8, 1 3/8                | 1.6       | 4.2                   |
| 2BK50    | 4.75      | 4.00  | 4.40                | 2 s  | 1 3/4      | 1 15/32 | 15/32 | 3/4 | 3/4, 1, 1 1/8, 1 3/8                | 1.6       | 4.8                   |
| 2BK52    | 4.95      | 4.20  | 4.60                | 2 s  | 1 3/4      | 1 15/32 | 15/32 | 3/4 | 5/8, 7/8, 1, 1 1/8, 1 3/8           | 1.6       | 5.2                   |
| 2BK55    | 5.25      | 4.50  | 4.90                | 2 s  | 1 3/4      | 1 15/32 | 15/32 | 3/4 | 1 1/8, 1 3/8                        | 1.9       | 5.8                   |
| 2BK57    | 5.45      | 4.70  | 5.10                | 2 s  | 1 3/4      | 1 15/32 | 15/32 | 3/4 | 1, 1 1/8, 1 3/8                     | 1.9       | 5.4                   |
| 2BK60    | 5.75      | 5.00  | 5.40                | 3 s  | 1 3/4      | 1 15/32 | 15/32 | 3/4 | 3/4, 7/8, 1, 1 1/8, 1 3/8           | 1.6       | 5.7                   |
| 2BK62    | 5.95      | 5.20  | 5.60                | 3 s  | 1 3/4      | 1 15/32 | 15/32 | 3/4 | 1, 1 1/8                            | 1.9       | 6.0                   |
| 2BK65    | 6.25      | 5.50  | 5.90                | 3 s  | 1 3/4      | 1 15/32 | 15/32 | 3/4 | 1, 1 1/8, 1 3/8                     | 1.9       | 6.5                   |
| 2BK67    | 6.45      | 5.70  | 6.10                | 3 s  | 1 3/4      | 1 15/32 | 15/32 | 3/4 | 1, 1 1/8, 1 3/8                     | 1.9       | 6.8                   |
| 2BK70    | 6.75      | 6.00  | 6.40                | 3 s  | 1 3/4      | 1 19/32 | 11/32 | 1/2 | 3/4, 1, 1 1/8, 1 3/16, 1 7/16       | 1.6       | 7.6                   |
| 2BK80    | 7.75      | 7.00  | 7.40                | 3 lh | 1 3/4      | 1 19/32 | 11/32 | 1/2 | 3/4, 1, 1 1/8, 1 3/16, 1 7/16       | 1.6       | 8.7                   |
| 2BK90    | 8.75      | 8.00  | 8.40                | 3 lh | 1 3/4      | 1 19/32 | 11/32 | 1/2 | 3/4, 1, 1 1/8, 1 3/16, 1 7/16       | 1.6       | 10.0                  |
| 2BK100   | 9.75      | 9.00  | 9.40                | 3 lh | 1 3/4      | 1 19/32 | 11/32 | 1/2 | 3/4, 1, 1 1/8, 1 3/16, 1 7/16       | 1.6       | 11.8                  |
| 2BK110   | 10.75     | 10.00 | 10.40               | 3 sp | 1 3/4      | 1 19/32 | 11/32 | 1/2 | 1, 1 3/16, 1 7/16                   | 1.7       | 14.0                  |
| 2BK120   | 11.75     | 11.00 | 11.40               | 3 sp | 1 3/4      | 1 19/32 | 11/32 | 1/2 | 1, 1 3/16, 1 7/16                   | 1.7       | 15.6                  |
| 2BK130   | 12.75     | 12.00 | 12.40               | 3 sp | 1 3/4      | 1 19/32 | 11/32 | 1/2 | 1, 1 3/16, 1 7/16                   | 1.7       | 17.0                  |
| 2BK140   | 13.75     | 13.00 | 13.40               | 3 sp | 1 3/4      | 1 19/32 | 11/32 | 1/2 | 1, 1 3/16, 1 7/16                   | 1.7       | 19.0                  |
| 2BK160   | 15.75     | 15.00 | 15.40               | 3 sp | 1 3/4      | 1 19/32 | 11/32 | 1/2 | 1, 1 3/16, 1 7/16                   | 1.7       | 23.7                  |
| 2BK190   | 18.75     | 18.00 | 18.40               | 3 sp | 1 3/4      | 1 19/32 | 11/32 | 1/2 | 1 3/16, 1 7/16, 1 1 1/4             | 2.2       | 30.3                  |

6 2BK Sheaves are accurately machined from gray cast iron, statically balanced, painted and individually packaged. They are furnished with standard keyway & 2 set screws. All set screws are 5/16-18 knurled. Recommended tightening torque is 110-130 inch-lbs.



Cast Iron Sheaves - **Light Duty**  
Bored-to Size  
for 3L, 4L or A Belts.  
See pages 100-103

Order part number size + bore  
Example: AKS42-1/2



Type 1

Type 2

Type 3

| Part No.     | Type | Outside<br>Diameters | Stock Bores             | Dimensions (Inches) |     |       |     | Wt. |
|--------------|------|----------------------|-------------------------|---------------------|-----|-------|-----|-----|
|              |      |                      |                         | D                   | G   | F     | E   |     |
| <b>AKS62</b> | 3    | 6" 5" 4" 3" 2"       | 1/2-5/8-3/4-7/8         | 4 9/16              | 3/4 | 3 3/4 | 3/4 | 8.0 |
| <b>AKS63</b> | 2    | 6" 5" 4" 3"          | 1/2-5/8-3/4-7/8-1-1 1/8 | 4 9/16              | 3/4 | 3     | 3/4 | 7.5 |
| <b>AKS64</b> | 1    | 6" 5" 4"             | 1/2-5/8-3/4-7/8-1-1 1/8 | 4 9/16              | 3/4 | 2 1/4 | 3/4 | 6.5 |
| <b>AKS52</b> | 2    | 5" 4" 3" 2"          | 1/2-5/8-3/4-7/8         | 3 9/16              | 3/4 | 3     | 3/4 | 4.5 |
| <b>AKS53</b> | 1    | 5" 4" 3"             | 1/2-5/8-3/4-7/8-1-1 1/8 | 3 9/16              | 3/4 | 2 1/4 | 3/4 | 4.2 |
| <b>AKS42</b> | 1    | 4" 3" 2"             | 1/2-5/8-3/4-7/8         | 2 1/2               | 3/4 | 2 1/4 | 3/4 | 2.3 |

| Standard Key Dimensions |               |
|-------------------------|---------------|
| Shaft Dia.              | Keyseat W x D |
| 1/2                     | None          |
| 5/8 - 7/8               | 3/16 x 3/32   |
| 15/16 - 1 1/4           | 1/4 x 1/8     |

Step pulleys are accurately machined from gray cast iron, statically balanced, painted and individually packaged. They are furnished with standard keyway & 2 set screws. All set screws are 5/16-18 knurled. Recommended tightening torque is 110-130 inch-lbs.

# H Bushing Sheaves

Cast Iron Sheaves - **Light-Duty** Bushed,  
**One Groove and**  
**Two Groove**

AK30H to AK184H -  
2AK30H to 2AK184H

Order part number size

Example: AK30H

Example: 2AK32H

**for 3L, 4L or A Belts. See pages 100-103.**

Order H bushing separately

**For All  
1 Groove Sheaves**

F= 3/4

L= 1 1/4

G= 7/16

E= 3/16



**AKH**

**For All  
2 Groove Sheaves**

F= 1 3/8

L= 1 1/4

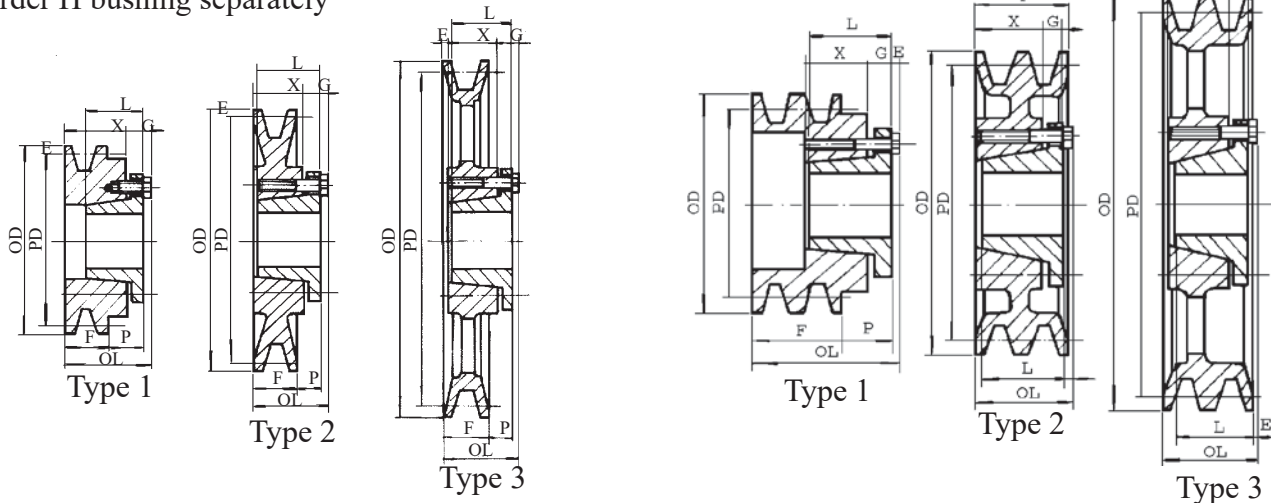
X= 7/8

G= 1/2

E= 3/16



**2AKH**



s = solid, ● lh = lighting hole, ⊙ sp = spoked ⊗

| Part<br>No. | Diameters |       |           | Type | Dimensions |      |        |       |
|-------------|-----------|-------|-----------|------|------------|------|--------|-------|
|             | O.D.      | Pitch |           |      | O.L.       | P    | X      | WT.   |
|             |           | "3L"  | "4L or A" |      |            |      |        |       |
| AK30H       | 3.05      | 2.46  | 2.80      | 1 s  | 1 13/16    | 7/8  | 1 3/16 | 1.30  |
| AK32H       | 3.30      | 2.66  | 3.00      | 1 s  | 1 13/16    | 7/8  | 1 3/16 | 1.30  |
| AK34H       | 3.45      | 2.86  | 3.20      | 2 s  | 1 1/2      | 9/16 | 7/8    | 1.20  |
| AK39H       | 3.75      | 3.16  | 3.50      | 2 s  | 1 1/2      | 9/16 | 7/8    | 1.50  |
| AK41H       | 3.95      | 3.36  | 3.70      | 2 s  | 1 1/2      | 9/16 | 7/8    | 1.80  |
| AK44H       | 4.25      | 3.66  | 4.00      | 2 s  | 1 1/2      | 9/16 | 7/8    | 2.00  |
| AK46H       | 4.45      | 3.86  | 4.20      | 2 s  | 1 1/2      | 9/16 | 7/8    | 2.30  |
| AK49H       | 4.75      | 4.16  | 4.50      | 2 s  | 1 1/2      | 9/16 | 7/8    | 2.60  |
| AK51H       | 4.95      | 4.36  | 4.70      | 2 s  | 1 1/2      | 9/16 | 7/8    | 2.70  |
| AK54H       | 5.25      | 4.66  | 5.00      | 2 s  | 1 1/2      | 9/16 | 7/8    | 2.60  |
| AK56H       | 5.45      | 4.86  | 5.20      | 2 s  | 1 1/2      | 9/16 | 7/8    | 2.80  |
| AK59H       | 5.75      | 5.16  | 5.50      | 2 s  | 1 1/2      | 9/16 | 7/8    | 3.00  |
| AK61H       | 5.95      | 5.36  | 5.70      | 3 s  | 1 1/2      | 9/16 | 7/8    | 3.10  |
| AK64H       | 6.25      | 5.66  | 6.00      | 3 s  | 1 1/2      | 9/16 | 7/8    | 3.30  |
| AK66H       | 6.45      | 5.86  | 6.20      | 3 s  | 1 1/2      | 9/16 | 7/8    | 3.60  |
| AK69H       | 6.75      | 6.16  | 6.50      | 3 lh | 1 1/2      | 9/16 | 7/8    | 3.50  |
| AK71H       | 6.95      | 6.36  | 6.70      | 3 lh | 1 1/2      | 9/16 | 7/8    | 3.50  |
| AK74H       | 7.25      | 6.66  | 7.00      | 3 lh | 1 1/2      | 9/16 | 7/8    | 3.80  |
| AK79H       | 7.75      | 7.16  | 7.50      | 3 lh | 1 1/2      | 9/16 | 7/8    | 4.20  |
| AK84H       | 8.25      | 7.66  | 8.00      | 3 lh | 1 1/2      | 9/16 | 7/8    | 4.60  |
| AK89H       | 8.75      | 8.16  | 8.50      | 3 lh | 1 1/2      | 9/16 | 7/8    | 4.80  |
| AK94H       | 9.25      | 8.66  | 9.00      | 3 lh | 1 1/2      | 9/16 | 7/8    | 5.60  |
| AK99H       | 9.75      | 9.16  | 9.50      | 3 lh | 1 1/2      | 9/16 | 7/8    | 5.90  |
| AK104H      | 10.25     | 9.66  | 10.00     | 3 sp | 1 1/2      | 9/16 | 7/8    | 6.80  |
| AK109H      | 10.75     | 10.16 | 10.50     | 3 sp | 1 1/2      | 9/16 | 7/8    | 7.10  |
| AK114H      | 11.25     | 10.66 | 11.00     | 3 sp | 1 1/2      | 9/16 | 7/8    | 7.50  |
| AK124H      | 12.25     | 11.66 | 12.00     | 3 sp | 1 1/2      | 9/16 | 7/8    | 8.00  |
| AK134H      | 13.25     | 12.66 | 13.00     | 3 sp | 1 1/2      | 9/16 | 7/8    | 10.70 |
| AK144H      | 14.25     | 13.66 | 14.00     | 3 sp | 1 1/2      | 9/16 | 7/8    | 11.10 |
| AK154H      | 15.25     | 14.66 | 15.00     | 3 sp | 1 1/2      | 9/16 | 7/8    | 12.50 |
| AK184H      | 18.25     | 17.66 | 18.00     | 3 sp | 1 1/2      | 9/16 | 7/8    | 17.30 |

| Part<br>No. | Diameters |       |           | Type | Dimensions |      |       |       |
|-------------|-----------|-------|-----------|------|------------|------|-------|-------|
|             | O.D.      | Pitch |           |      | O.L.       | P    | X     | WT.   |
|             |           | "3L"  | "4L or A" |      |            |      |       |       |
| 2AK30H      | 3.05      | 2.46  | 2.80      | 1 s  | 2 7/16     | 7/8  | 15/16 | 1.70  |
| 2AK32H      | 3.25      | 2.66  | 3.00      | 1 s  | 2 7/16     | 7/8  | 15/16 | 1.80  |
| 2AK34H      | 3.45      | 2.86  | 3.20      | 1 s  | 2          | 7/16 | 1/2   | 1.70  |
| 2AK39H      | 3.75      | 3.16  | 3.50      | 1 s  | 2          | 7/16 | 1/2   | 2.10  |
| 2AK41H      | 3.95      | 3.36  | 3.70      | 2 s  | 1 1/2      | 1/16 | -     | 2.40  |
| 2AK44H      | 4.25      | 3.66  | 4.00      | 2 s  | 1 1/2      | 1/16 | -     | 2.90  |
| 2AK46H      | 4.45      | 3.86  | 4.20      | 2 s  | 1 1/2      | 1/16 | -     | 3.20  |
| 2AK49H      | 4.75      | 4.16  | 4.50      | 2 s  | 1 1/2      | 1/16 | -     | 3.70  |
| 2AK51H      | 4.95      | 4.36  | 4.70      | 2 s  | 1 1/2      | 1/16 | -     | 3.20  |
| 2AK54H      | 5.25      | 4.66  | 5.00      | 2 s  | 1 1/2      | 1/16 | -     | 3.50  |
| 2AK56H      | 5.45      | 4.86  | 5.20      | 2 s  | 1 1/2      | 1/16 | -     | 3.80  |
| 2AK59H      | 5.75      | 5.16  | 5.50      | 3 s  | 1 1/2      | 1/16 | -     | 4.10  |
| 2AK61H      | 5.95      | 5.36  | 5.70      | 3 s  | 1 1/2      | 1/16 | -     | 4.30  |
| 2AK64H      | 6.25      | 5.66  | 6.00      | 3 s  | 1 1/2      | 1/16 | -     | 4.60  |
| 2AK74H      | 7.25      | 6.66  | 7.00      | 3 lh | 1 1/2      | 1/16 | -     | 5.10  |
| 2AK84H      | 8.25      | 7.66  | 8.00      | 3 lh | 1 1/2      | 1/16 | -     | 6.10  |
| 2AK94H      | 9.25      | 8.66  | 9.00      | 3 lh | 1 1/2      | 1/16 | -     | 7.40  |
| 2AK104H     | 10.25     | 9.66  | 10.00     | 3 sp | 1 1/2      | 1/16 | -     | 9.20  |
| 2AK114H     | 11.25     | 10.66 | 11.00     | 3 sp | 1 1/2      | 1/16 | -     | 10.00 |
| 2AK124H     | 12.25     | 11.66 | 12.00     | 3 sp | 1 1/2      | 1/16 | -     | 10.90 |
| 2AK134H     | 13.25     | 12.66 | 13.00     | 3 sp | 1 1/2      | 1/16 | -     | 13.10 |
| 2AK144H     | 14.25     | 13.66 | 14.00     | 3 sp | 1 1/2      | 1/16 | -     | 14.60 |
| 2AK154H     | 15.25     | 14.66 | 15.00     | 3 sp | 1 1/2      | 1/16 | -     | 16.20 |
| 2AK184H     | 18.25     | 17.66 | 18.00     | 3 sp | 1 1/2      | 1/16 | -     | 21.60 |

**Stock H Bushings and Metric bores on pages 89-90.**

AK Sheaves are accurately machined from gray cast iron, statically balanced, painted and individually packaged.

**Note:** Cast iron sheaves may not exceed 6500 FPM. This speed **DOES NOT** specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

**Cast Iron Sheaves - Light Duty**

Bushed, **One Groove and Two Groove**

BK30H to BK190H - 2BK32H to 2BK190H

Order part number size

Example: BK30H

Example: 2BK32H

for 4L or A, 5L or B Belts.

See pages 100-108.

Order H bushings separately

**For All  
1 Groove Sheaves**  
F= 7/8  
L= 1 1/4  
G= 7/16  
E= 3/16



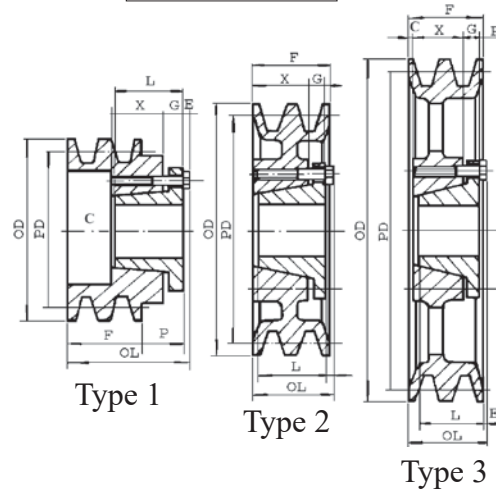
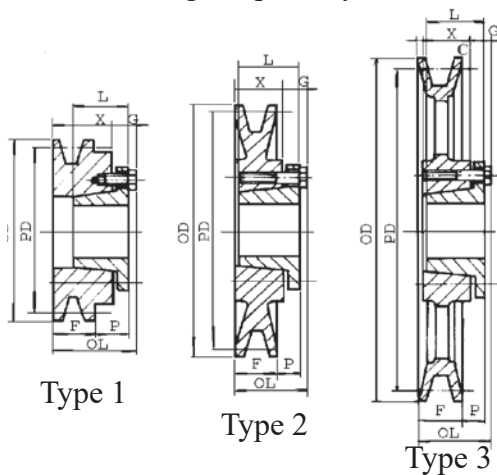
**BKH**

**For All  
2 Groove  
Sheaves**

F= 1 3/4  
L= 1 1/4  
X= 7/8  
G= 7/16  
E= 3/16



**2BKH**



s = solid, ● lh = lighting hole, ⊗ sp = spoked ⊗

| Part<br>No. | Diameters |           |           | Type | Dimensions |      |      |       |      |
|-------------|-----------|-----------|-----------|------|------------|------|------|-------|------|
|             | O.D.      | Pitch     |           |      | O.L.       | P    | C    | X     | WT.  |
|             |           | "4L or A" | "5L or B" |      |            |      |      |       |      |
| BK30H       | 3.15      | 2.40      | 2.80      | 1 s  | 1 15/16    | 7/8  | -    | 1 3/8 | 1.4  |
| BK32H       | 3.35      | 2.60      | 3.00      | 1 s  | 1 15/16    | 7/8  | -    | 1 3/8 | 1.6  |
| BK34H       | 3.55      | 2.80      | 3.20      | 1 s  | 1 15/16    | 7/8  | -    | 1 3/8 | 1.8  |
| BK36H       | 3.75      | 3.00      | 3.40      | 2 s  | 1 1/2      | 7/16 | -    | 7/8   | 1.5  |
| BK40H       | 3.95      | 3.20      | 3.60      | 2 s  | 1 1/2      | 7/16 | -    | 7/8   | 1.7  |
| BK45H       | 4.25      | 3.50      | 3.90      | 2 s  | 1 1/2      | 7/16 | -    | 7/8   | 2.1  |
| BK47H       | 4.45      | 3.70      | 4.10      | 2 s  | 1 1/2      | 7/16 | -    | 7/8   | 2.3  |
| BK50H       | 4.75      | 4.00      | 4.40      | 2 s  | 1 1/2      | 7/16 | -    | 7/8   | 2.7  |
| BK52H       | 4.95      | 4.20      | 4.60      | 2 s  | 1 1/2      | 7/16 | -    | 7/8   | 3.0  |
| BK55H       | 5.25      | 4.50      | 4.90      | 2 s  | 1 1/2      | 7/16 | -    | 7/8   | 3.5  |
| BK57H       | 5.45      | 4.70      | 5.10      | 2 s  | 1 1/2      | 7/16 | -    | 7/8   | 3.6  |
| BK60H       | 5.75      | 5.00      | 5.40      | 2 s  | 1 1/2      | 7/16 | -    | 7/8   | 3.5  |
| BK62H       | 5.95      | 5.20      | 5.60      | 2 s  | 1 1/2      | 7/16 | -    | 7/8   | 3.7  |
| BK65H       | 6.25      | 5.50      | 5.90      | 2 s  | 1 1/2      | 7/16 | -    | 7/8   | 4.0  |
| BK67H       | 6.45      | 5.70      | 6.10      | 2 s  | 1 1/2      | 7/16 | -    | 7/8   | 4.0  |
| BK70H       | 6.75      | 6.00      | 6.40      | 3 s  | 1 9/16     | 1/2  | 1/16 | 7/8   | 4.7  |
| BK72H       | 6.95      | 6.20      | 6.60      | 3 s  | 1 9/16     | 1/2  | 1/16 | 7/8   | 4.7  |
| BK75H       | 7.25      | 6.50      | 6.90      | 3 lh | 1 9/16     | 1/2  | 1/16 | 7/8   | 4.7  |
| BK77H       | 7.45      | 6.70      | 7.10      | 3 lh | 1 9/16     | 1/2  | 1/16 | 7/8   | 4.8  |
| BK80H       | 7.75      | 7.00      | 7.40      | 3 lh | 1 9/16     | 1/2  | 1/16 | 7/8   | 5.3  |
| BK85H       | 8.25      | 7.50      | 7.90      | 3 lh | 1 9/16     | 1/2  | 1/16 | 7/8   | 5.5  |
| BK90H       | 8.75      | 8.00      | 8.40      | 3 lh | 1 9/16     | 1/2  | 1/16 | 7/8   | 6.0  |
| BK95H       | 9.25      | 8.50      | 8.90      | 3 lh | 1 9/16     | 1/2  | 1/16 | 7/8   | 6.7  |
| BK100H      | 9.75      | 9.00      | 9.40      | 3 lh | 1 9/16     | 1/2  | 1/16 | 7/8   | 7.1  |
| BK105H      | 10.25     | 9.50      | 9.90      | 3 lh | 1 9/16     | 1/2  | 1/16 | 7/8   | 7.5  |
| BK110H      | 10.75     | 10.00     | 10.40     | 3 sp | 1 9/16     | 1/2  | 1/16 | 7/8   | 8.6  |
| BK115H      | 11.25     | 10.50     | 10.90     | 3 sp | 1 9/16     | 1/2  | 1/16 | 7/8   | 8.8  |
| BK120H      | 11.75     | 11.00     | 11.40     | 3 sp | 1 9/16     | 1/2  | 1/16 | 7/8   | 9.2  |
| BK130H      | 12.75     | 12.00     | 12.40     | 3 sp | 1 9/16     | 1/2  | 1/16 | 7/8   | 10.6 |
| BK140H      | 13.75     | 13.00     | 13.40     | 3 sp | 1 9/16     | 1/2  | 1/16 | 7/8   | 12.9 |
| BK150H      | 14.75     | 14.00     | 14.40     | 3 sp | 1 9/16     | 1/2  | 1/16 | 7/8   | 14.4 |
| BK160H      | 15.75     | 15.00     | 15.40     | 3 sp | 1 9/16     | 1/2  | 1/16 | 7/8   | 15.5 |
| BK190H      | 18.75     | 18.00     | 18.40     | 3 sp | 1 9/16     | 1/2  | 1/16 | 7/8   | 21.1 |

| Part No. | Diameters |         |         | O.L. | Dimensions |      |        |      |
|----------|-----------|---------|---------|------|------------|------|--------|------|
|          | O.D.      | Pitch   |         |      | P          | C    | WT.    |      |
|          |           | 4L or A | 5L or B |      |            |      |        |      |
| 2BK32H   | 3.35      | 2.60    | 3.00    | 1 s  | 2 13/16    | 7/8  | 1 5/16 | 2.5  |
| 2BK34H   | 3.55      | 2.80    | 3.20    | 1 s  | 2 13/16    | 7/8  | 1 5/16 | 2.8  |
| 2BK36H   | 3.75      | 3.00    | 3.40    | 1 s  | 2 3/8      | 7/16 | 7/8    | 2.6  |
| 2BK40H   | 3.95      | 3.20    | 3.60    | 1 s  | 2 3/8      | 7/16 | 7/8    | 3.0  |
| 2BK45H   | 4.25      | 3.50    | 3.90    | 1 s  | 2 3/8      | 7/16 | 7/8    | 3.4  |
| 2BK47H   | 4.45      | 3.70    | 4.10    | 2 s  | 1 3/4      | 7/16 | -      | 3.8  |
| 2BK50H   | 4.75      | 4.00    | 4.40    | 2 s  | 1 3/4      | 7/16 | -      | 4.4  |
| 2BK52H   | 4.95      | 4.20    | 4.60    | 2 s  | 1 3/4      | 7/16 | -      | 4.8  |
| 2BK55H   | 5.25      | 4.50    | 4.90    | 2 s  | 1 3/4      | 7/16 | -      | 5.4  |
| 2BK57H   | 5.45      | 4.70    | 5.10    | 2 s  | 1 3/4      | 7/16 | -      | 5.3  |
| 2BK60H   | 5.75      | 5.00    | 5.40    | 2 s  | 1 3/4      | 7/16 | -      | 5.6  |
| 2BK62H   | 5.95      | 5.20    | 5.60    | 2 s  | 1 3/4      | 7/16 | -      | 5.8  |
| 2BK65H   | 6.25      | 5.50    | 5.90    | 3 s  | 1 3/4      | 7/16 | 1/4    | 6.4  |
| 2BK67H   | 6.45      | 5.70    | 6.10    | 3 s  | 1 3/4      | 7/16 | 1/4    | 6.7  |
| 2BK70H   | 6.75      | 6.00    | 6.40    | 3 s  | 1 3/4      | 7/16 | 1/4    | 7.2  |
| 2BK80H   | 7.75      | 7.00    | 7.40    | 3 lh | 1 3/4      | 7/16 | 1/4    | 8.3  |
| 2BK90H   | 8.75      | 8.00    | 8.40    | 3 lh | 1 3/4      | 7/16 | 1/4    | 9.8  |
| 2BK100H  | 9.75      | 9.00    | 9.40    | 3 lh | 1 3/4      | 7/16 | 1/4    | 11.5 |
| 2BK110H  | 10.75     | 10.00   | 10.40   | 3 sp | 1 3/4      | 7/16 | 1/4    | 13.6 |
| 2BK120H  | 11.75     | 11.00   | 11.40   | 3 sp | 1 3/4      | 7/16 | 1/4    | 15.0 |
| 2BK130H  | 12.75     | 12.00   | 12.40   | 3 sp | 1 3/4      | 7/16 | 1/4    | 16.7 |
| 2BK140H  | 13.75     | 13.00   | 13.40   | 3 sp | 1 3/4      | 7/16 | 1/4    | 19.8 |
| 2BK160H  | 15.75     | 15.00   | 15.40   | 3 sp | 1 3/4      | 7/16 | 1/4    | 24.5 |
| 2BK190H  | 18.75     | 18.00   | 18.40   | 3 sp | 1 3/4      | 7/16 | 1/4    | 26.0 |

**Stock H Bushings and Metric bores on pages 89-90.**

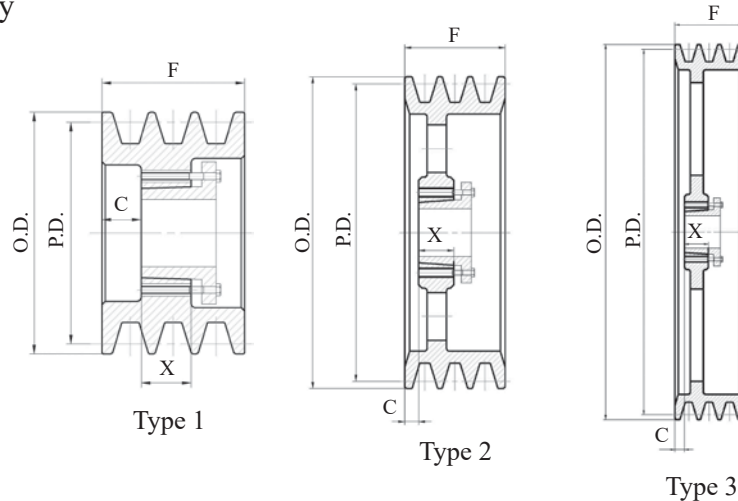
BK Sheaves are accurately machined from gray cast iron, statically balanced, painted and individually packaged.

**Note:** Cast iron sheaves may not exceed 6500 FPM. This speed **DOES NOT** specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

# 3BKH Sheaves

Cast Iron Sheaves - **Light Duty**  
Bushed, **Three Groove**  
3BK45H to 3BK190H  
Order part number size  
Example: 3BK45H

for 4L or A, 5L or B Belts.  
See pages 100-108.  
Order H bushings separately



s = solid, lh = lighting hole, sp = spaced

| Part No. | Diameters |           |           | Type | Dimensions |     |       |      |
|----------|-----------|-----------|-----------|------|------------|-----|-------|------|
|          | O.D.      | Pitch     |           |      | F          | X   | C     | WT.  |
|          |           | "4L or A" | "5L or B" |      |            |     |       |      |
| 3BK45H   | 4.25      | 3.50      | 3.90      | 1 s  | 2 1/2      | 7/8 | 11/16 | 3.9  |
| 3BK47H   | 4.45      | 3.70      | 4.10      | 1 s  | 2 1/2      | 7/8 | 11/16 | 4.2  |
| 3BK50H   | 4.75      | 4.00      | 4.40      | 1 s  | 2 1/2      | 7/8 | 11/16 | 4.4  |
| 3BK52H   | 4.95      | 4.20      | 4.60      | 1 s  | 2 1/2      | 7/8 | 11/16 | 4.7  |
| 3BK55H   | 5.25      | 4.50      | 4.90      | 1 s  | 2 1/2      | 7/8 | 11/16 | 5.1  |
| 3BK57H   | 5.45      | 4.70      | 5.10      | 1 s  | 2 1/2      | 7/8 | 11/16 | 5.3  |
| 3BK60H   | 5.75      | 5.00      | 5.40      | 2 s  | 2 1/2      | 7/8 | 11/16 | 5.6  |
| 3BK62H   | 5.95      | 5.20      | 5.60      | 2 s  | 2 1/2      | 7/8 | 11/16 | 5.8  |
| 3BK65H   | 6.25      | 5.50      | 5.90      | 2 s  | 2 1/2      | 7/8 | 9/32  | 5.8  |
| 3BK67H   | 6.45      | 5.70      | 6.10      | 2 s  | 2 1/2      | 7/8 | 9/32  | 6.2  |
| 3BK70H   | 6.75      | 6.00      | 6.40      | 2 s  | 2 1/2      | 7/8 | 9/32  | 6.6  |
| 3BK80H   | 7.75      | 7.00      | 7.40      | 2 lh | 2 1/2      | 7/8 | 11/32 | 8.3  |
| 3BK90H   | 8.75      | 8.00      | 8.40      | 2 lh | 2 1/2      | 7/8 | 11/32 | 9.8  |
| 3BK100H  | 9.75      | 9.00      | 9.40      | 2 lh | 2 1/2      | 7/8 | 11/32 | 10.9 |
| 3BK110H  | 10.75     | 10.00     | 10.40     | 2 lh | 2 1/2      | 7/8 | 11/32 | 12.1 |
| 3BK120H  | 11.75     | 11.00     | 11.40     | 3 sp | 2 1/2      | 7/8 | 11/32 | 14.3 |
| 3BK130H  | 12.75     | 12.00     | 12.40     | 3 sp | 2 1/2      | 7/8 | 13/32 | 16.2 |
| 3BK140H  | 13.75     | 13.00     | 13.40     | 3 sp | 2 1/2      | 7/8 | 13/32 | 17.7 |
| 3BK160H  | 15.75     | 15.00     | 15.40     | 3 sp | 2 1/2      | 7/8 | 13/32 | 21.0 |
| 3BK190H  | 18.75     | 18.00     | 18.40     | 3 sp | 2 1/2      | 7/8 | 13/32 | 25.8 |

## Stock H Bushings and Metric bores on pages 89-90.

BK Sheaves are accurately machined from gray cast iron, statically balanced, painted and individually packaged.

**Note:** Cast iron sheaves may not exceed 6500 FPM. This speed **DOES NOT** specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.



Cast Iron Sheaves - **Light-Duty** Bushed,  
**One Groove and**  
**Two Groove**

AK39HR to AK184HR -  
2AK44HR to 2AK184HR

Order part number size

Example: AK39HR

Example: 2AK44HR

**For 3L, 4L or A Belts. See pages 100-103.**

Order H bushing separately

All HR sheaves use standard  
MasterDrive H bushings.

**For All  
1 Groove Sheaves**

F= 3/4  
L= 1 1/4  
G= 7/16  
E= 3/16  
X= 7/8  
P= 9/16  
O.L.= 1 1/2



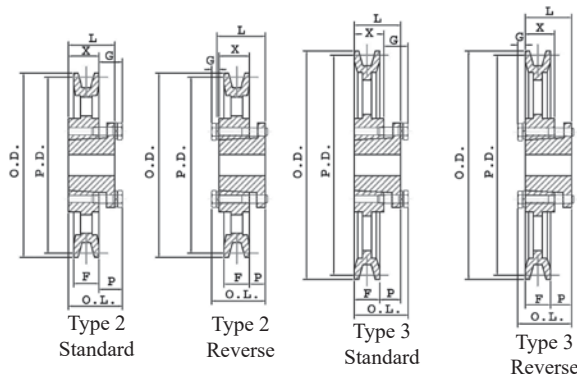
**AKHR**

**For All  
2 Groove Sheaves**

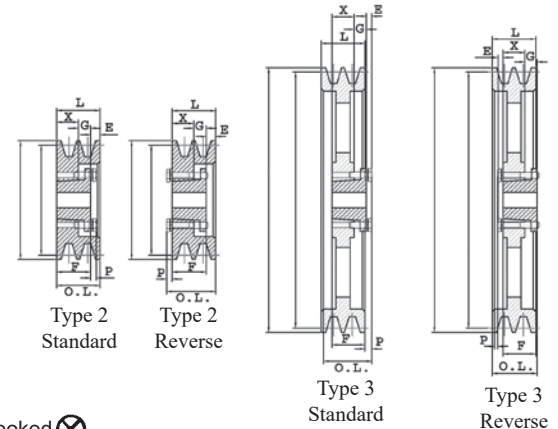
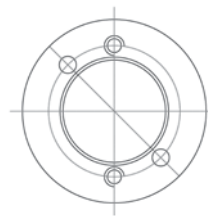
F= 1 3/8  
L= 1 1/4  
X= 7/8  
G= 1/2  
E= 3/16  
P= 1/16  
O.L.= 1 1/2



**2AKHR**



Sheave Hub Bolt  
Hole Pattern



s = solid, ● lh = lighting hole, sp = spoked ⊗

| Part<br>No. | Diameters |       |         | Type | WT.   |
|-------------|-----------|-------|---------|------|-------|
|             | O.D.      | Pitch |         |      |       |
|             |           | 3L    | 4L or A |      |       |
| AK39HR      | 3.75      | 3.16  | 3.50    | 2 s  | 1.50  |
| AK41HR      | 3.95      | 3.36  | 3.70    | 2 s  | 1.80  |
| AK44HR      | 4.25      | 3.66  | 4.00    | 2 s  | 2.00  |
| AK46HR      | 4.45      | 3.86  | 4.20    | 2 s  | 2.30  |
| AK49HR      | 4.75      | 4.16  | 4.50    | 2 s  | 2.60  |
| AK51HR      | 4.95      | 4.36  | 4.70    | 2 s  | 2.70  |
| AK54HR      | 5.25      | 4.66  | 5.00    | 2 s  | 2.60  |
| AK56HR      | 5.45      | 4.86  | 5.20    | 2 s  | 2.80  |
| AK59HR      | 5.75      | 5.16  | 5.50    | 2 s  | 3.00  |
| AK61HR      | 5.95      | 5.36  | 5.70    | 3 s  | 3.10  |
| AK64HR      | 6.25      | 5.66  | 6.00    | 3 s  | 3.30  |
| AK66HR      | 6.45      | 5.86  | 6.20    | 3 s  | 3.60  |
| AK69HR      | 6.75      | 6.16  | 6.50    | 3 lh | 3.50  |
| AK71HR      | 6.95      | 6.36  | 6.70    | 3 lh | 3.50  |
| AK74HR      | 7.25      | 6.66  | 7.00    | 3 lh | 3.80  |
| AK79HR      | 7.75      | 7.16  | 7.50    | 3 lh | 4.20  |
| AK84HR      | 8.25      | 7.66  | 8.00    | 3 lh | 4.60  |
| AK89HR      | 8.75      | 8.16  | 8.50    | 3 lh | 4.80  |
| AK94HR      | 9.25      | 8.66  | 9.00    | 3 lh | 5.60  |
| AK99HR      | 9.75      | 9.16  | 9.50    | 3 lh | 5.90  |
| AK104HR     | 10.25     | 9.66  | 10.00   | 3 sp | 6.80  |
| AK109HR     | 10.75     | 10.16 | 10.50   | 3 sp | 7.10  |
| AK114HR     | 11.25     | 10.66 | 11.00   | 3 sp | 7.50  |
| AK124HR     | 12.25     | 11.66 | 12.00   | 3 sp | 8.00  |
| AK134HR     | 13.25     | 12.66 | 13.00   | 3 sp | 10.70 |
| AK144HR     | 14.25     | 13.66 | 14.00   | 3 sp | 11.10 |
| AK154HR     | 15.25     | 14.66 | 15.00   | 3 sp | 12.50 |
| AK184HR     | 18.25     | 17.66 | 18.00   | 3 sp | 17.30 |

| Part<br>No. | Diameters |       |         | Type | WT.   |
|-------------|-----------|-------|---------|------|-------|
|             | O.D.      | Pitch |         |      |       |
|             |           | 3L    | 4L or A |      |       |
| 2AK44HR     | 4.25      | 3.66  | 4.00    | 2 s  | 2.90  |
| 2AK46HR     | 4.45      | 3.86  | 4.20    | 2 s  | 3.20  |
| 2AK49HR     | 4.75      | 4.16  | 4.50    | 2 s  | 3.70  |
| 2AK51HR     | 4.95      | 4.36  | 4.70    | 2 s  | 3.20  |
| 2AK54HR     | 5.25      | 4.66  | 5.00    | 2 s  | 3.50  |
| 2AK56HR     | 5.45      | 4.86  | 5.20    | 2 s  | 3.80  |
| 2AK59HR     | 5.75      | 5.16  | 5.50    | 3 s  | 4.10  |
| 2AK61HR     | 5.95      | 5.36  | 5.70    | 3 s  | 4.30  |
| 2AK64HR     | 6.25      | 5.66  | 6.00    | 3 s  | 4.60  |
| 2AK74HR     | 7.25      | 6.66  | 7.00    | 3 lh | 5.10  |
| 2AK84HR     | 8.25      | 7.66  | 8.00    | 3 lh | 6.10  |
| 2AK94HR     | 9.25      | 8.66  | 9.00    | 3 lh | 7.40  |
| 2AK104HR    | 10.25     | 9.66  | 10.00   | 3 sp | 9.20  |
| 2AK114HR    | 11.25     | 10.66 | 11.00   | 3 sp | 10.00 |
| 2AK124HR    | 12.25     | 11.66 | 12.00   | 3 sp | 10.90 |
| 2AK134HR    | 13.25     | 12.66 | 13.00   | 3 sp | 13.10 |
| 2AK144HR    | 14.25     | 13.66 | 14.00   | 3 sp | 14.60 |
| 2AK154HR    | 15.25     | 14.66 | 15.00   | 3 sp | 16.20 |
| 2AK184HR    | 18.25     | 17.66 | 18.00   | 3 sp | 21.60 |

Each HR Sheave includes an **HRBK** bolt kit to use in place of standard H bushing bolts.

AK Sheaves are accurately machined from gray cast iron, statically balanced, painted and individually packaged.

**Note:** Cast iron sheaves may not exceed 6500 FPM. This speed **DOES NOT** specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

All HR sheaves use standard MasterDrive H bushings.

**Stock H Bushings and Metric bores on pages 89-90.**



# HR Bushing Sheaves

## Cast Iron Sheaves - Light Duty

### Bushed, One Groove and Two Groove

BK36HR to BK190HR - 2BK50HR to 2BK190HR

Order part number size

Example: BK36HR

Example: 2BK50HR

For 4L or A, 5L or B Belts.

See pages 100-108.

Order H bushings separately

**All** HR sheaves use standard

MasterDrive H bushings.

### For All 1 Groove Sheaves

F= 7/8  
L= 1 1/4  
G= 7/16  
E= 3/16  
X= 7/8



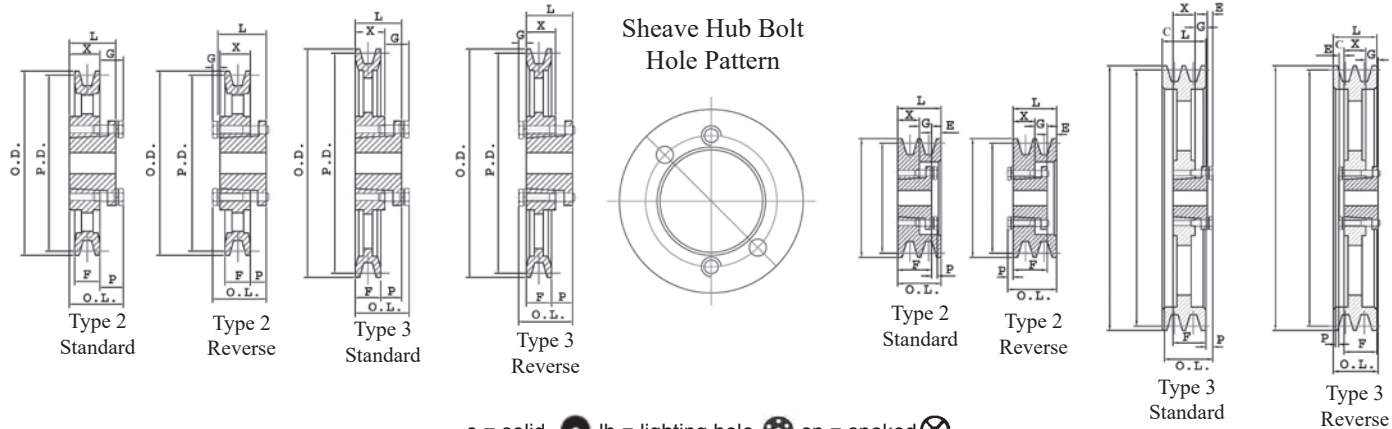
**BKHR**

### For All 2 Groove Sheaves

F= 1 3/4  
L= 1 1/4  
X= 7/8  
G= 7/16  
E= 3/16  
P= 7/16  
O.L.= 1 3/4



**2BKHR**



| Part<br>No. | Diameters |           |           | Type | Dimensions |      |      |      |
|-------------|-----------|-----------|-----------|------|------------|------|------|------|
|             | O.D.      | Pitch     |           |      | O.L.       | P    | C    | WT.  |
|             |           | "4L or A" | "5L or B" |      |            |      |      |      |
| BK36HR      | 3.75      | 3.00      | 3.40      | 2 s  | 1 1/2      | 7/16 | -    | 1.5  |
| BK40HR      | 3.95      | 3.20      | 3.60      | 2 s  | 1 1/2      | 7/16 | -    | 1.7  |
| BK45HR      | 4.25      | 3.50      | 3.90      | 2 s  | 1 1/2      | 7/16 | -    | 2.1  |
| BK47HR      | 4.45      | 3.70      | 4.10      | 2 s  | 1 1/2      | 7/16 | -    | 2.3  |
| BK50HR      | 4.75      | 4.00      | 4.40      | 2 s  | 1 1/2      | 7/16 | -    | 2.7  |
| BK52HR      | 4.95      | 4.20      | 4.60      | 2 s  | 1 1/2      | 7/16 | -    | 3.0  |
| BK55HR      | 5.25      | 4.50      | 4.90      | 2 s  | 1 1/2      | 7/16 | -    | 3.5  |
| BK57HR      | 5.45      | 4.70      | 5.10      | 2 s  | 1 1/2      | 7/16 | -    | 3.6  |
| BK60HR      | 5.75      | 5.00      | 5.40      | 2 s  | 1 1/2      | 7/16 | -    | 3.5  |
| BK62HR      | 5.95      | 5.20      | 5.60      | 2 s  | 1 1/2      | 7/16 | -    | 3.7  |
| BK65HR      | 6.25      | 5.50      | 5.90      | 2 s  | 1 1/2      | 7/16 | -    | 4.0  |
| BK67HR      | 6.45      | 5.70      | 6.10      | 2 s  | 1 1/2      | 7/16 | -    | 4.0  |
| BK70HR      | 6.75      | 6.00      | 6.40      | 3 s  | 1 9/16     | 1/2  | 1/16 | 4.7  |
| BK72HR      | 6.95      | 6.20      | 6.60      | 3 s  | 1 9/16     | 1/2  | 1/16 | 4.7  |
| BK75HR      | 7.25      | 6.50      | 6.90      | 3 lh | 1 9/16     | 1/2  | 1/16 | 4.7  |
| BK77HR      | 7.45      | 6.70      | 7.10      | 3 lh | 1 9/16     | 1/2  | 1/16 | 4.8  |
| BK80HR      | 7.75      | 7.00      | 7.40      | 3 lh | 1 9/16     | 1/2  | 1/16 | 5.3  |
| BK85HR      | 8.25      | 7.50      | 7.90      | 3 lh | 1 9/16     | 1/2  | 1/16 | 5.5  |
| BK90HR      | 8.75      | 8.00      | 8.40      | 3 lh | 1 9/16     | 1/2  | 1/16 | 6.0  |
| BK95HR      | 9.25      | 8.50      | 8.90      | 3 lh | 1 9/16     | 1/2  | 1/16 | 6.7  |
| BK100HR     | 9.75      | 9.00      | 9.40      | 3 lh | 1 9/16     | 1/2  | 1/16 | 7.1  |
| BK105HR     | 10.25     | 9.50      | 9.90      | 3 lh | 1 9/16     | 1/2  | 1/16 | 7.5  |
| BK110HR     | 10.75     | 10.00     | 10.40     | 3 sp | 1 9/16     | 1/2  | 1/16 | 8.6  |
| BK115HR     | 11.25     | 10.50     | 10.90     | 3 sp | 1 9/16     | 1/2  | 1/16 | 8.8  |
| BK120HR     | 11.75     | 11.00     | 11.40     | 3 sp | 1 9/16     | 1/2  | 1/16 | 9.2  |
| BK130HR     | 12.75     | 12.00     | 12.40     | 3 sp | 1 9/16     | 1/2  | 1/16 | 10.6 |
| BK140HR     | 13.75     | 13.00     | 13.40     | 3 sp | 1 9/16     | 1/2  | 1/16 | 12.9 |
| BK150HR     | 14.75     | 14.00     | 14.40     | 3 sp | 1 9/16     | 1/2  | 1/16 | 14.4 |
| BK160HR     | 15.75     | 15.00     | 15.40     | 3 sp | 1 9/16     | 1/2  | 1/16 | 15.5 |
| BK190HR     | 18.75     | 18.00     | 18.40     | 3 sp | 1 9/16     | 1/2  | 1/16 | 21.1 |

| Part<br>No. | Diameters |           |           | Type | Dimensions |      |
|-------------|-----------|-----------|-----------|------|------------|------|
|             | O.D.      | Pitch     |           |      | C          | WT.  |
|             |           | "4L or A" | "5L or B" |      |            |      |
| 2BK50HR     | 4.75      | 4.00      | 4.40      | 2 s  | -          | 4.4  |
| 2BK52HR     | 4.95      | 4.20      | 4.60      | 2 s  | -          | 4.8  |
| 2BK55HR     | 5.25      | 4.50      | 4.90      | 2 s  | -          | 5.4  |
| 2BK57HR     | 5.45      | 4.70      | 5.10      | 2 s  | -          | 5.3  |
| 2BK60HR     | 5.75      | 5.00      | 5.40      | 2 s  | -          | 5.6  |
| 2BK62HR     | 5.95      | 5.20      | 5.60      | 2 s  | -          | 5.8  |
| 2BK65HR     | 6.25      | 5.50      | 5.90      | 3 s  | 1/4        | 6.4  |
| 2BK67HR     | 6.45      | 5.70      | 6.10      | 3 s  | 1/4        | 6.7  |
| 2BK70HR     | 6.75      | 6.00      | 6.40      | 3 s  | 1/4        | 7.2  |
| 2BK80HR     | 7.75      | 7.00      | 7.40      | 3 lh | 1/4        | 8.3  |
| 2BK90HR     | 8.75      | 8.00      | 8.40      | 3 lh | 1/4        | 9.8  |
| 2BK100HR    | 9.75      | 9.00      | 9.40      | 3 lh | 1/4        | 11.5 |
| 2BK110HR    | 10.75     | 10.00     | 10.40     | 3 sp | 1/4        | 13.6 |
| 2BK120HR    | 11.75     | 11.00     | 11.40     | 3 sp | 1/4        | 15.0 |
| 2BK130HR    | 12.75     | 12.00     | 12.40     | 3 sp | 1/4        | 16.7 |
| 2BK140HR    | 13.75     | 13.00     | 13.40     | 3 sp | 1/4        | 19.8 |
| 2BK160HR    | 15.75     | 15.00     | 15.40     | 3 sp | 1/4        | 24.5 |
| 2BK190HR    | 18.75     | 18.00     | 18.40     | 3 sp | 1/4        | 26.0 |

Each HR Sheave includes an **HRBK** bolt kit to use in place of standard H bushing bolts.

BK Sheaves are accurately machined from gray cast iron, statically balanced, painted and individually packaged.

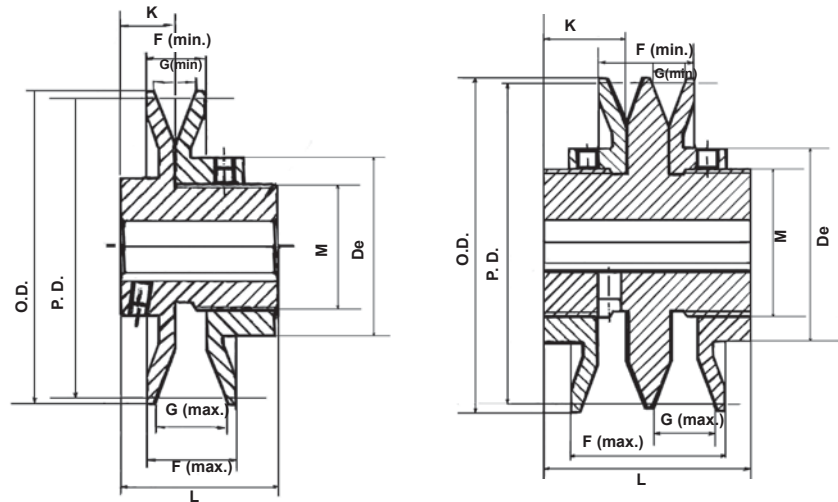
**Note:** Cast iron sheaves may not exceed 6500 FPM. This speed **DOES NOT** specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

All HR sheaves use standard MasterDrive H bushings.

Cast Iron Sheaves - **Light Duty**  
 Bored-to Size,  
**One Groove and**  
**Two Groove**  
 1VP and 2VP Dimensions



**VP**



1VP Sheaves may be used with 3L, 4L, 5L, A, B and 5V Belts. See pages 100-108 & 113.

| Part No. | O.D.  | F     |       | G     |       | L     | K     | Bore                                     | M              | De           | Avg. Wt.   |
|----------|-------|-------|-------|-------|-------|-------|-------|------------------------------------------|----------------|--------------|------------|
|          |       | Max   | Min   | Max   | Min   |       |       |                                          |                |              |            |
| 1VP25    | 2.380 | 0.810 | 0.560 | 0.630 | 0.380 | 1.590 | 0.620 | 1/2, 5/8, 3/4                            | 1.375          | 2.00         | 1.0        |
| 1VP30    | 2.870 | 0.810 | 0.560 | 0.630 | 0.380 | 1.660 | 0.630 | 1/2, 5/8, 3/4                            | 1.500          | 2.13         | 1.4        |
| 1VP34    | 3.150 | 1.000 | 0.690 | 0.810 | 0.500 | 1.880 | 0.780 | 1/2, 5/8, 3/4,<br>7/8, 1, 1 1/8          | 1.500<br>1.750 | 2.13<br>2.38 | 1.5<br>1.7 |
| 1VP40    | 3.750 | 1.060 | 0.690 | 0.880 | 0.500 | 1.880 | 0.660 | 1/2, 5/8, 3/4,<br>7/8, 1, 1 1/8          | 1.500<br>1.750 | 2.13<br>2.38 | 2.0<br>2.0 |
| 1VP44    | 4.150 | 1.060 | 0.690 | 0.880 | 0.500 | 1.880 | 0.660 | 1/2, 5/8, 3/4,<br>7/8, 1, 1 1/8          | 1.500<br>1.750 | 2.13<br>2.38 | 2.2<br>2.2 |
| 1VP50    | 4.750 | 1.060 | 0.690 | 0.880 | 0.500 | 2.000 | 0.780 | 1/2, 5/8, 3/4,<br>7/8, 1, 1 1/8          | 1.500<br>1.750 | 2.13<br>2.38 | 2.7<br>2.8 |
| 1VP56    | 5.350 | 1.060 | 0.690 | 0.880 | 0.500 | 2.000 | 0.780 | 1/2, 5/8, 3/4, 7/8, 1, 1 1/8             | 1.750          | 2.38         | 3.4        |
| 1VP60    | 6.000 | 1.250 | 0.880 | 1.031 | 0.660 | 2.160 | 0.850 | 5/8, 3/4, 7/8, 1 1/8,<br>1 3/8, 1 5/8    | 2.000<br>2.500 | 2.62<br>3.29 | 4.6<br>5.3 |
| 1VP62    | 5.950 | 1.250 | 0.880 | 1.031 | 0.660 | 2.000 | 0.780 | 5/8, 3/4, 7/8, 1, 1 1/8,<br>1 1/4, 1 3/8 | 2.000<br>2.500 | 2.62<br>3.29 | 4.6<br>5.1 |
| 1VP65    | 6.500 | 1.250 | 0.880 | 1.030 | 0.660 | 2.160 | 0.850 | 3/4, 7/8, 1 1/8,<br>1 3/8                | 2.000<br>2.500 | 2.62<br>3.29 | 5.3<br>5.8 |
| 1VP68    | 6.550 | 1.250 | 0.880 | 1.030 | 0.660 | 2.000 | 0.780 | 5/8, 3/4, 7/8, 1, 1 1/8,<br>1 1/4, 1 3/8 | 2.000<br>2.500 | 2.62<br>3.29 | 5.2<br>5.8 |
| 1VP71    | 7.100 | 1.250 | 0.880 | 1.030 | 0.660 | 2.160 | 0.850 | 3/4, 7/8, 1 1/8,<br>1 3/8, 1 5/8         | 2.000<br>2.500 | 2.62<br>3.29 | 6.5<br>6.8 |
| 1VP75    | 7.500 | 1.250 | 0.880 | 1.030 | 0.660 | 2.160 | 0.850 | 3/4, 7/8, 1 1/8,<br>1 3/8, 1 5/8         | 2.000<br>2.500 | 2.62<br>3.29 | 7.0<br>7.6 |

2VP Sheaves may be used with 3L, 4L, 5L, A, B and 5V Belts. See pages 100-108 & 113.

| Part No. | O.D.  | F     |       | G     |       | L     | K     | Bore                                       | M              | De           | Avg. Wt.     |
|----------|-------|-------|-------|-------|-------|-------|-------|--------------------------------------------|----------------|--------------|--------------|
|          |       | Max   | Min   | Max   | Min   |       |       |                                            |                |              |              |
| 2VP36    | 3.350 | 2.000 | 1.380 | 0.810 | 0.500 | 3.000 | 1.190 | 1/2, 5/8, 3/4, 7/8, 1, 1 1/8               | 2.000          | 2.62         | 3.8          |
| 2VP42    | 3.950 | 2.130 | 1.380 | 0.880 | 0.500 | 3.000 | 1.190 | 5/8, 3/4, 7/8, 1, 1 1/8                    | 2.000          | 2.62         | 4.7          |
| 2VP50    | 4.750 | 2.130 | 1.380 | 0.880 | 0.500 | 3.000 | 1.190 | 5/8, 3/4, 7/8, 1, 1 1/8                    | 2.125          | 2.75         | 6.3          |
| 2VP56    | 5.350 | 2.130 | 1.380 | 0.880 | 0.500 | 3.000 | 1.190 | 5/8, 3/4, 7/8, 1, 1 1/8,<br>1 3/8, 1 5/8   | 2.125<br>2.500 | 2.75<br>3.29 | 7.7<br>8.0   |
| 2VP60    | 6.000 | 2.380 | 1.630 | 1.030 | 0.660 | 3.250 | 1.250 | 3/4, 7/8, 1, 1 1/8,<br>1 3/8, 1 5/8        | 2.125<br>2.500 | 2.75<br>3.29 | 9.8<br>9.8   |
| 2VP62    | 5.950 | 2.380 | 1.630 | 1.030 | 0.660 | 3.000 | 1.190 | 3/4, 7/8, 1, 1 1/8,<br>1 3/8, 1 5/8        | 2.125<br>2.500 | 2.75<br>3.29 | 9.0<br>9.4   |
| 2VP65    | 6.500 | 2.380 | 1.630 | 1.030 | 0.660 | 3.250 | 1.250 | 3/4, 7/8, 1 1/8,<br>1 3/8, 1 5/8           | 2.125<br>2.500 | 2.75<br>3.29 | 11.0<br>12.2 |
| 2VP68    | 6.550 | 2.380 | 1.630 | 1.030 | 0.660 | 3.000 | 1.190 | 3/4, 7/8, 1, 1 1/8,<br>1 1/4, 1 3/8, 1 5/8 | 2.125<br>2.500 | 2.75<br>3.29 | 10.4<br>10.9 |
| 2VP71    | 7.100 | 2.380 | 1.630 | 1.030 | 0.660 | 3.250 | 1.250 | 3/4, 7/8, 1 1/8,<br>1 3/8, 1 5/8           | 2.125<br>2.500 | 2.75<br>3.29 | 13.4<br>14.3 |
| 2VP75    | 7.500 | 2.380 | 1.630 | 1.030 | 0.660 | 3.250 | 1.250 | 3/4, 7/8, 1 1/8,<br>1 3/8, 1 5/8           | 2.125<br>2.500 | 2.75<br>3.29 | 14.6<br>15.0 |

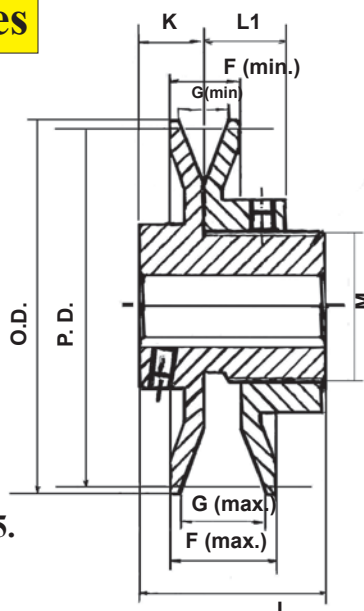
All 1VP & 2VP sheaves are furnished with standard keyway and (2) 5/16-18 knurled setscrews over each slot & in bore.

# Light Duty Adjustable Sheaves

Cast Iron Sheaves - **Light Duty**  
Bored-to Size,  
**One Groove**  
**VL Sheaves**

Order part number size  
Example: 1VL25-5/8

VL Sheaves may be used with 3L,  
4L, 5L, A and B Belts. See pages 100-105.



VL

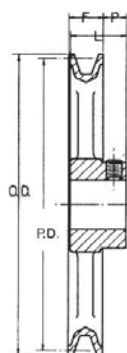
All VL sheaves are furnished with standard keyway and (3) 5/16-18 x 5/16 knurled set screws.

| Part No. | O.D.  | F     |       | G     |       | L     | L1    | K     | M     | Bore      | Avg. Wt. |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|----------|
|          |       | Max   | Min   | Max   | Min   |       |       |       |       |           |          |
| 1VL25    | 2.500 | 0.781 | 0.531 | 0.625 | 0.375 | 1.634 | 0.728 | 0.697 | 1.125 | 1/2, 5/8  | .85      |
| 1VL30    | 2.870 | 0.781 | 0.531 | 0.625 | 0.375 | 1.634 | 0.728 | 0.697 | 1.125 | 1/2, 5/8  | 1.1      |
| 1VL34    | 3.150 | 1.000 | 0.625 | 0.875 | 0.500 | 1.933 | 0.815 | 0.744 | 1.125 | 1/2, 5/8, | 1.1      |
|          |       |       |       |       |       |       |       |       | 1.375 | 3/4       | 1.3      |
| 1VL40    | 3.750 | 1.000 | 0.625 | 0.875 | 0.500 | 1.933 | 0.815 | 0.744 | 1.125 | 1/2, 5/8, | 1.5      |
|          |       |       |       |       |       |       |       |       | 1.375 | 3/4, 7/8, | 1.5      |
| 1VL44    | 4.150 | 1.000 | 0.625 | 0.875 | 0.500 | 1.933 | 0.815 | 0.744 | 1.125 | 1/2, 5/8, | 1.6      |
|          |       |       |       |       |       |       |       |       | 1.375 | 3/4, 7/8  | 1.7      |
| 1VM50    | 4.750 | 1.060 | 0.688 | 0.875 | 0.500 | 1.996 | 0.846 | 0.776 | 1.125 | 1/2, 5/8, | 2.4      |
|          |       |       |       |       |       |       |       |       | 1.375 | 3/4, 7/8  | 2.4      |

Cast Iron Sheaves - **Light Duty**  
Bored-to Size,  
**One Groove**  
**AL Sheaves**

Order part number size  
Example: no keyway = AL54-5/8, with keyway = AL54-5/8KW  
AL Sheaves may be used with 4L, A Belts.  
See pages 100-102.

AL Sheaves come with or without Keyway and are for Light Applications - Fans, Air Conditioning Units, Furnace Blowers etc.



AL

| Part No. | O.D.  | Pitch | F    | L     | P    | Bore        | Hub O.D. | Avg. Wt. |
|----------|-------|-------|------|-------|------|-------------|----------|----------|
| AL54     | 4.93  | 4.78  | .593 | 1.062 | .468 | 5/8, 3/4, 1 | 1.7      | 1.2      |
| AL64     | 5.93  | 5.78  | .593 | 1.062 | .468 | 5/8, 3/4, 1 | 1.7      | 1.4      |
| AL74     | 6.93  | 6.78  | .593 | 1.062 | .468 | 5/8, 3/4, 1 | 1.7      | 1.7      |
| AL84     | 7.93  | 7.78  | .593 | 1.062 | .468 | 5/8, 3/4, 1 | 1.7      | 1.9      |
| AL94     | 8.93  | 8.78  | .593 | 1.062 | .468 | 3/4, 1      | 1.9      | 2.6      |
| AL104    | 9.93  | 9.78  | .593 | 1.062 | .468 | 3/4, 1      | 2.0      | 3.0      |
| AL114    | 10.93 | 10.78 | .593 | 1.062 | .468 | 3/4, 1      | 2.0      | 3.5      |
| AL124    | 11.93 | 11.78 | .593 | 1.062 | .468 | 3/4, 1      | 2.0      | 4.0      |
| AM144    | 14.16 | 14.00 | .687 | 1.750 | .406 | 1           | 2.0      | 5.2      |

Rework Charges for : Rebores, Keyways, additional setscrews - P.O.R. All AL sheaves are statically balanced and include (1) 5/16-18 knurled setscrew.

| Part No. | DIAMETER RANGES |            |            |            |                   |            |            |            |                   |            |            |            |
|----------|-----------------|------------|------------|------------|-------------------|------------|------------|------------|-------------------|------------|------------|------------|
|          | "3L" Belts      |            |            |            | "4L" or "A" Belts |            |            |            | "5L" or "B" Belts |            |            |            |
|          | Min Pitch       | Turns Open | Max. Pitch | Turns Open | Min. Pitch        | Turns Open | Max. Pitch | Turns Open | Min. Pitch        | Turns Open | Max. Pitch | Turns Open |
| 1VL25    | 1.6             | 4          | 2.4        | 0          | -                 | -          | -          | -          | -                 | -          | -          | -          |
| 1VL30    | 1.8             | 4          | 2.7        | 0          | -                 | -          | -          | -          | -                 | -          | -          | -          |
| 1VL34    | 1.7             | 4          | 2.5        | 0          | 1.9               | 5          | 2.9        | 0          | 2.4               | 5          | 3.2        | 1          |
| 1VL40    | 2.3             | 4          | 3.1        | 0          | 2.4               | 5          | 3.4        | 0          | 2.7               | 6          | 3.7        | 1          |
| 1VL44    | 2.7             | 4          | 3.5        | 0          | 2.8               | 5          | 3.8        | 0          | 3.1               | 6          | 4.1        | 1          |
| 1VM50    | 3.3             | 4          | 4.1        | 0          | 3.4               | 5          | 4.4        | 0          | 3.7               | 6          | 4.7        | 1          |

| Part No. | DIAMETER RANGES |            |            |            |                   |            |            |            |                   |            |            |            |            |            |            |            |
|----------|-----------------|------------|------------|------------|-------------------|------------|------------|------------|-------------------|------------|------------|------------|------------|------------|------------|------------|
|          | "3L" Belts      |            |            |            | "4L" or "A" Belts |            |            |            | "5L" or "B" Belts |            |            |            | "5V" Belts |            |            |            |
|          | Min Pitch       | Turns Open | Max. Pitch | Turns Open | Min. Pitch        | Turns Open | Max. Pitch | Turns Open | Min. Pitch        | Turns Open | Max. Pitch | Turns Open | Min. Pitch | Turns Open | Max. Pitch | Turns Open |
| 2VP36    | 1.9             | 4          | 2.7        | 0          | 2.0               | 5          | 3.0        | 0          | 2.5               | 5          | 3.3        | 1          | -          | -          | -          | -          |
| 2VP42    | 2.5             | 4          | 3.3        | 0          | 2.6               | 5          | 3.6        | 0          | 2.9               | 6          | 3.9        | 1          | -          | -          | -          | -          |
| 2VP50    | 3.3             | 4          | 4.1        | 0          | 3.4               | 5          | 4.4        | 0          | 3.7               | 6          | 4.7        | 1          | -          | -          | -          | -          |
| 2VP56    | 3.9             | 4          | 4.7        | 0          | 4.0               | 5          | 5.0        | 0          | 4.3               | 6          | 5.3        | 1          | -          | -          | -          | -          |
| 2VP60    | -               | -          | -          | -          | 4.2               | 5          | 5.2        | 0          | 4.3               | 6          | 5.5        | 0          | 4.7        | 6          | 5.9        | 0          |
| 2VP62    | -               | -          | -          | -          | 4.2               | 5          | 5.2        | 0          | 4.3               | 6          | 5.5        | 0          | 4.7        | 6          | 5.9        | 0          |
| 2VP65    | -               | -          | -          | -          | 4.7               | 5          | 5.7        | 0          | 4.8               | 6          | 6.0        | 0          | 5.2        | 6          | 6.4        | 0          |
| 2VP68    | -               | -          | -          | -          | 4.7               | 5          | 5.7        | 0          | 4.8               | 6          | 6.0        | 0          | 5.2        | 6          | 6.4        | 0          |
| 2VP71    | -               | -          | -          | -          | 5.3               | 5          | 6.3        | 0          | 5.4               | 6          | 6.6        | 0          | 5.8        | 6          | 7.0        | 0          |
| 2VP75    | -               | -          | -          | -          | 5.7               | 5          | 6.7        | 0          | 5.8               | 6          | 7.0        | 0          | 6.2        | 6          | 7.4        | 0          |

| Part No. | DIAMETER RANGES |            |            |            |                   |            |            |            |                   |            |            |            |            |            |            |            |
|----------|-----------------|------------|------------|------------|-------------------|------------|------------|------------|-------------------|------------|------------|------------|------------|------------|------------|------------|
|          | "3L" Belts      |            |            |            | "4L" or "A" Belts |            |            |            | "5L" or "B" Belts |            |            |            | "5V" Belts |            |            |            |
|          | Min Pitch       | Turns Open | Max. Pitch | Turns Open | Min. Pitch        | Turns Open | Max. Pitch | Turns Open | Min. Pitch        | Turns Open | Max. Pitch | Turns Open | Min. Pitch | Turns Open | Max. Pitch | Turns Open |
| 1VP25    | 1.6             | 4          | 2.4        | 0          | -                 | -          | -          | -          | -                 | -          | -          | -          | -          | -          | -          | -          |
| 1VP30    | 1.8             | 4          | 2.7        | 0          | -                 | -          | -          | -          | -                 | -          | -          | -          | -          | -          | -          | -          |
| 1VP34    | 1.7             | 4          | 2.5        | 0          | 1.9               | 5          | 2.9        | 0          | 2.4               | 5          | 3.2        | 1          | -          | -          | -          | -          |
| 1VP40    | 2.3             | 4          | 3.1        | 0          | 2.4               | 5          | 3.4        | 0          | 2.7               | 6          | 3.7        | 1          | -          | -          | -          | -          |
| 1VP44    | 2.7             | 4          | 3.5        | 0          | 2.8               | 5          | 3.8        | 0          | 3.1               | 6          | 4.1        | 1          | -          | -          | -          | -          |
| 1VP50    | 3.3             | 4          | 4.1        | 0          | 3.4               | 5          | 4.4        | 0          | 3.7               | 6          | 4.7        | 1          | -          | -          | -          | -          |
| 1VP56    | 3.9             | 4          | 4.7        | 0          | 4.0               | 5          | 5.0        | 0          | 4.3               | 6          | 5.3        | 1          | -          | -          | -          | -          |
| 1VP60    | -               | -          | -          | -          | 4.2               | 5          | 5.2        | 0          | 4.3               | 6          | 5.5        | 0          | -          | -          | -          | -          |
| 1VP62    | -               | -          | -          | -          | 4.2               | 5          | 5.2        | 0          | 4.3               | 6          | 5.5        | 0          | 4.7        | 6          | 5.9        | 0          |
| 1VP65    | -               | -          | -          | -          | 4.7               | 5          | 5.7        | 0          | 4.8               | 6          | 6.0        | 0          | 5.2        | 6          | 6.4        | 0          |
| 1VP68    | -               | -          | -          | -          | 4.7               | 5          | 5.7        | 0          | 4.8               | 6          | 6.0        | 0          | 5.2        | 6          | 6.4        | 0          |
| 1VP71    | -               | -          | -          | -          | 5.3               | 5          | 6.3        | 0          | 5.4               | 6          | 6.6        | 0          | 5.8        | 6          | 7.0        | 0          |
| 1VP75    | -               | -          | -          | -          | 5.7               | 5          | 6.7        | 0          | 5.8               | 6          | 7.0        | 0          | 6.2        | 6          | 7.4        | 0          |

### Installation and Operation Instructions

#### VL-VP FHP Adjustable Sheaves

- Loosen all setscrews on the sheave. Rotate the adjustable flange(s) to make the face width of the adjustable sheave the same as the face width of the companion sheave.
- Inspect the motor shaft and key for any nicks or burrs and remove if present. Install shaft key. Slide the sheave onto the motor shaft.
- Align the adjustable sheave with the companion sheave by using a straight edge or piece of string. This is most easily accomplished by using the four-point method shown below. Note: Dimensions, A, B, C and D must be equal for correct alignment.



- Secure the sheave to motor shaft by tightening the setscrew over the key to the proper torque (110-130 in. lbs. torque for 5/16" setscrews and 50-70 in. lbs. torque for 1/4"). Note: On two groove sheaves the setscrew is located at the base of the center flange. You may need to adjust the flange open to expose it.
- Adjust the sheave to the desired pitch diameter. Each turn of the flange changes the pitch diameter approximately .16 inches. Six turns are required to adjust the sheave from minimum to maximum for B (5L) belts, six turns for A (4L) belts, five turns for (3L) belts; and seven turns for (5V) belts. Note: You must adjust both flanges of a two-groove sheave equally so belts will ride evenly.
- Lock the adjustable flange(s) into position by tightening the setscrew(s) to the proper torque (5/16" setscrew – 110-130 in. lbs. torque, 1/4" setscrews – 60-70 in. lbs. torque). Warning: To prevent damage to hub threads, the set screw(s) must be over the flats or in the machined groove. If the flange is not properly locked, the sheave will fail prematurely.
- Install and properly tension belts.

#### WARNING

Rotating equipment can cause personal injury. BE SAFE install a guard around the drive to keep anything from coming into contact with moving parts.

- Start the drive. If a speed correction is necessary, stop the drive and remove the guard and belts. Adjust the sheave as per steps 5 through 7.



# Light Duty Cross Reference Chart

## Bored-To-Size

**A Section  
Single Groove**
**A Section  
Double Groove**
**B Section  
Single Groove**
**B Section  
Double Groove**

| MasterDrive Part# | Maska Part# | Maurey Part# |
|-------------------|-------------|--------------|
| AK17              | MA18        | 2175         |
| AK20              | MA20        | 2200         |
| AK21              | MA21        | 2210         |
| AK22              | MA22        | 2225         |
| AK23              | MA23        | -            |
| AK25              | MA25        | 2250         |
| AK26              | MA26        | 2260         |
| AK27              | MA27        | 2275         |
| AK28              | MA28        | -            |
| AK30              | MA30        | AC31         |
| AK32              | MA33        | AC33         |
| AK34              | MA35        | AC35         |
| AK39              | MA38        | AC38         |
| AK41              | MA40        | AC40         |
| AK44              | MA43        | AC43         |
| AK46              | MA45        | AC45         |
| AK49              | MA48        | AC48         |
| AK51              | MA50        | AC50         |
| AK54              | MA53        | AC53         |
| AK56              | MA55        | AC55         |
| AK59              | MA58        | AC58         |
| AK61              | MA60        | AC60         |
| AK64              | MA63        | AC63         |
| AK66              | MA65        | AC65         |
| AK69              | MA68        | AC68         |
| AK71              | MA70        | AC70         |
| AK74              | MA73        | AC73         |
| AK79              | MA78        | AC78         |
| AK84              | MA83        | AC83         |
| AK89              | MA88        | AC88         |
| AK94              | MA93        | AC93         |
| AK99              | MA98        | -            |
| AK104             | MA103       | AC103        |
| AK109             | MA108       | -            |
| AK114             | MA113       | AC113        |
| AK124             | MA123       | AC123        |
| AK134             | MA133       | AC133        |
| AK144             | MA143       | AC143        |
| AK154             | MA153       | AC153        |
| AK184             | MA183       | AC183        |

| MasterDrive Part# | Maska Part# | Maurey Part# |
|-------------------|-------------|--------------|
| 2AK20             | 2MA20       | D2200        |
| 2AK21             | 2MA22       | -            |
| 2AK22             | 2MA23       | D2225        |
| 2AK23             | 2MA24       | -            |
| 2AK25             | 2MA25       | D2250        |
| 2AK26             | 2MA27       | -            |
| 2AK27             | 2MA28       | D2275        |
| 2AK28             | 2MA29       | -            |
| 2AK30             | 2MA30       | -            |
| 2AK32             | 2MA33       | D2325        |
| 2AK34             | 2MA35       | D2350        |
| 2AK39             | 2MA38       | D2380        |
| 2AK41             | 2MA40       | D2400        |
| 2AK44             | 2MA43       | D2425        |
| 2AK46             | 2MA45       | D2450        |
| 2AK49             | 2MA48       | D2480        |
| 2AK51             | 2MA50       | D2500        |
| 2AK54             | 2MA53       | D2525        |
| 2AK56             | 2MA55       | D2550        |
| 2AK59             | 2MA58       | D2580        |
| 2AK61             | 2MA60       | D2600        |
| 2AK64             | 2MA63       | -            |
| 2AK74             | 2MA73       | D2725        |
| 2AK84             | 2MA83       | -            |
| 2AK94             | 2MA93       | D2925        |
| 2AK104            | 2MA103      | D3103        |
| 2AK114            | 2MA113      | -            |
| 2AK124            | 2MA123      | D3123        |
| 2AK134            | 2MA133      | -            |
| 2AK144            | 2MA143      | D3143        |
| 2AK154            | 2MA153      | D3153        |
| 2AK184            | 2MA183      | D3183        |

| MasterDrive Part# | Maska Part# | Maurey Part# |
|-------------------|-------------|--------------|
| BK24              | MB24        | -            |
| BK25              | MB25        | 4250         |
| BK26              | MB26        | 4260         |
| BK27              | MB28        | -            |
| BK28              | MB30        | BC30         |
| BK30              | MB31        | BC32         |
| BK32              | MB34        | BC34         |
| BK34              | MB35        | BC36         |
| BK36              | MB38        | BC38         |
| BK40              | MB40        | BC40         |
| BK45              | MB43        | -            |
| BK47              | MB45        | -            |
| BK50              | MB48        | BC48         |
| BK52              | MB50        | BC50         |
| BK55              | MB53        | -            |
| BK57              | MB55        | -            |
| BK60              | MB58        | BC58         |
| BK62              | MB60        | BC60         |
| BK65              | MB63        | -            |
| BK67              | MB65        | -            |
| BK70              | MB68        | BC68         |
| BK72              | MB70        | BC70         |
| BK75              | MB73        | BC73         |
| BK77              | MB75        | -            |
| BK80              | MB78        | BC78         |
| BK85              | MB83        | BC83         |
| BK90              | MB88        | BC88         |
| BK95              | MB93        | BC93         |
| BK100             | MB98        | BC98         |
| BK105             | MB103       | -            |
| BK110             | MB108       | -            |
| BK115             | MB113       | -            |
| BK120             | MB118       | BC118        |
| BK130             | MB128       | BC128        |
| BK140             | MB138       | -            |
| BK160             | MB158       | BC158        |
| BK190             | MB188       | BC188        |

| MasterDrive Part# | Maska Part# | Maurey Part# |
|-------------------|-------------|--------------|
| 2BK25             | 2MB25       | D4250        |
| 2BK27             | 2MB28       | D4280        |
| 2BK28             | 2MB30       | D4300        |
| 2BK30             | 2MB32       | D4320        |
| 2BK32             | 2MB34       | D4340        |
| 2BK34             | 2MB35       | D4360        |
| 2BK36             | 2MB38       | D4380        |
| 2BK40             | 2MB40       | D4400        |
| 2BK45             | 2MB43       | -            |
| 2BK47             | 2MB45       | -            |
| 2BK50             | 2MB48       | D4480        |
| 2BK52             | 2MB50       | D4500        |
| 2BK55             | 2MB53       | -            |
| 2BK57             | 2MB55       | -            |
| 2BK60             | 2MB58       | D4580        |
| 2BK62             | 2MB60       | D4600        |
| 2BK65             | 2MB63       | -            |
| 2BK67             | 2MB65       | -            |
| 2BK70             | 2MB68       | D4680        |
| 2BK80             | 2MB78       | D4780        |
| 2BK90             | 2MB88       | D4880        |
| 2BK100            | 2MB98       | D4980        |
| 2BK110            | 2MB108      | D5108        |
| 2BK120            | 2MB118      | D5118        |
| 2BK130            | 2MB128      | D5128        |
| 2BK140            | 2MB138      | -            |
| 2BK160            | 2MB158      | D5158        |
| 2BK190            | 2MB188      | D5188        |



**A Section  
Single Groove**

| MasterDrive Part# | Maska Part# | Maurey Part# |
|-------------------|-------------|--------------|
| AK30H             | MAL30       | -            |
| AK32H             | MAL32       | -            |
| AK34H             | MAL34       | -            |
| AK39H             | MAL37       | -            |
| AK41H             | MAL39       | AH40         |
| AK44H             | MAL42       | AH43         |
| AK46H             | MAL44       | AH45         |
| AK49H             | MAL47       | AH48         |
| AK51H             | MAL49       | AH50         |
| AK54H             | MAL52       | AH53         |
| AK56H             | MAL54       | AH55         |
| AK59H             | MAL57       | -            |
| AK61H             | MAL59       | AH60         |
| AK64H             | MAL62       | AH63         |
| AK66H             | MAL64       | AH65         |
| AK69H             | MAL67       | AH68         |
| AK71H             | MAL69       | AH70         |
| AK74H             | MAL72       | AH73         |
| AK79H             | MAL77       | AH78         |
| AK84H             | MAL82       | AH83         |
| AK89H             | MAL87       | AH88         |
| AK94H             | MAL92       | AH93         |
| AK99H             | MAL97       | -            |
| AK104H            | MAL102      | AH103        |
| AK109H            | MAL107      | -            |
| AK114H            | MAL112      | AH113        |
| AK124H            | MAL122      | AH123        |
| AK134H            | MAL132      | AH133        |
| AK144H            | MAL142      | AH143        |
| AK154H            | MAL152      | AH153        |
| AK184H            | MAL182      | AH183        |

**A Section  
Double Groove**

| MasterDrive Part# | Maska Part# | Maurey Part# |
|-------------------|-------------|--------------|
| 2AK30H            | 2MAL30      | DH2300       |
| 2AK32H            | 2MAL32      | DH2325       |
| 2AK34H            | 2MAL34      | DH2350       |
| 2AK39H            | 2MAL37      | DH2380       |
| 2AK41H            | 2MAL39      | DH2400       |
| 2AK44H            | 2MAL42      | DH2425       |
| 2AK46H            | 2MAL44      | DH2450       |
| 2AK49H            | 2MAL47      | DH2480       |
| 2AK51H            | 2MAL49      | DH2500       |
| 2AK54H            | 2MAL52      | DH2525       |
| 2AK56H            | 2MAL54      | DH2550       |
| 2AK59H            | 2MAL57      | DH2580       |
| 2AK61H            | 2MAL59      | DH2600       |
| 2AK64H            | 2MAL62      | -            |
| 2AK74H            | 2MAL72      | DH2730       |
| 2AK84H            | 2MAL82      | -            |
| 2AK94H            | 2MAL92      | DH2930       |
| 2AK104H           | 2MAL102     | DH3103       |
| 2AK114H           | 2MAL112     | -            |
| 2AK124H           | 2MAL122     | DH3123       |
| 2AK134H           | 2MAL132     | -            |
| 2AK144H           | 2MAL142     | DH3143       |
| 2AK154H           | 2MAL152     | DH3153       |
| 2AK184H           | 2MAL182     | DH3183       |

**B Section  
Single Groove**

| MasterDrive Part# | Maska Part# | Maurey Part# |
|-------------------|-------------|--------------|
| BK30H             | MBL31       | BH32         |
| BK32H             | MBL33       | BH34         |
| BK34H             | MBL35       | BH36         |

**B Section  
Single Groove**

| MasterDrive Part# | Maska Part# | Maurey Part# |
|-------------------|-------------|--------------|
| BK36H             | MBL37       | BH38         |
| BK40H             | MBL39       | BH40         |
| BK45H             | MBL42       | -            |
| BK47H             | MBL44       | -            |
| BK50H             | MBL47       | BH48         |
| BK52H             | MBL49       | BH50         |
| BK55H             | MBL52       | BH53         |
| BK57H             | MBL54       | -            |
| BK60H             | MBL57       | BH58         |
| BK62H             | MBL59       | BH60         |
| BK65H             | MBL62       | -            |
| BK67H             | MBL64       | -            |
| BK70H             | MBL67       | BH68         |
| BK72H             | MBL69       | BH70         |
| BK75H             | MBL72       | BH73         |
| BK77H             | MBL74       | -            |
| BK80H             | MBL77       | BH78         |
| BK85H             | MBL82       | BH83         |
| BK90H             | MBL87       | BH88         |
| BK95H             | MBL92       | -            |
| BK100H            | MBL97       | BH98         |
| BK105H            | MBL102      | -            |
| BK110H            | MBL107      | BH108        |
| BK115H            | MBL112      | -            |
| BK120H            | MBL117      | BH118        |
| BK130H            | MBL127      | BH128        |
| BK140H            | MBL137      | -            |
| BK150H            | MBL147      | -            |
| BK160H            | MBL157      | BH158        |
| BK190H            | MBL187      | BH188        |

**B Section  
Double Groove**

| MasterDrive Part# | Maska Part# | Maurey Part# |
|-------------------|-------------|--------------|
| 2BK32H            | 2MBL33      | DH4340       |
| 2BK34H            | 2MBL35      | DH4360       |
| 2BK36H            | 2MBL37      | DH4380       |
| 2BK40H            | 2MBL39      | DH4400       |
| 2BK45H            | 2MBL42      | -            |
| 2BK47H            | 2MBL44      | -            |
| 2BK50H            | 2MBL47      | DH4480       |
| 2BK52H            | 2MBL49      | DH4500       |
| 2BK55H            | 2MBL52      | -            |
| 2BK57H            | 2MBL54      | -            |
| 2BK60H            | 2MBL57      | DH4580       |
| 2BK62H            | 2MBL59      | DH4600       |
| 2BK65H            | 2MBL62      | -            |
| 2BK67H            | 2MBL64      | -            |
| 2BK70H            | 2MBL67      | DH4680       |
| 2BK80H            | 2MBL77      | DH4780       |
| 2BK90H            | 2MBL87      | DH4880       |
| 2BK100H           | 2MBL97      | DH4980       |
| 2BK110H           | 2MBL107     | DH5108       |
| 2BK120H           | 2MBL117     | DH5118       |
| 2BK130H           | 2MBL127     | DH5128       |
| 2BK140H           | 2MBL137     | -            |
| 2BK160H           | 2MBL157     | DH5158       |
| 2BK190H           | 2MBL187     | DH5188       |

**Air Handling  
AL/AM  
Single Groove**

| MasterDrive Part# | Maska Part# | Maurey Part# |
|-------------------|-------------|--------------|
| AL54              | MFAL54      | -            |
| AL64              | MFAL64      | -            |
| AL74              | MFAL74      | -            |
| AL84              | MFAL84      | -            |
| AL94              | MFAL94      | -            |
| AL104             | MFAL104     | -            |
| AL114             | MFAL114     | -            |
| AL124             | MFAL124     | -            |
| AM144             | MFAM144     | -            |

**VL/VM  
Light Duty**

| MasterDrive Part# | Maska Part# | Maurey Part# |
|-------------------|-------------|--------------|
| 1VL25             | MVL25       | -            |
| 1VL30             | MVL30       | -            |
| 1VL34             | MVL34       | -            |
| 1VL40             | MVL40       | -            |
| 1VL44             | MVL44       | -            |
| 1VM50             | -           | -            |

**Variable Pitch  
1VP  
Single Groove**

| MasterDrive Part# | Maska Part# | Maurey Part# |
|-------------------|-------------|--------------|
| 1VP25             | -           | -            |
| 1VP30             | -           | -            |
| 1VP34             | 8325        | -            |
| 1VP40             | 8350        | 8350         |
| 1VP44             | 8400        | 8400         |
| 1VP50             | 8450        | 8450         |
| 1VP56             | 8550        | 8550         |
| 1VP60             | 8600        | 8575         |
| 1VP62             | 8600        | 8600         |
| 1VP65             | 8600        | -            |
| 1VP68             | 8670        | -            |
| 1VP71             | 8670        | -            |
| 1VP75             | 8740        | -            |

**2VP  
Double Groove**

| MasterDrive Part# | Maska Part# | Maurey Part# |
|-------------------|-------------|--------------|
| 2VP36             | D8350       | -            |
| 2VP42             | D8400       | -            |
| 2VP50             | D8450       | D8450        |
| 2VP56             | D8550       | D8550        |
| 2VP60             | D8600       | D8575        |
| 2VP62             | D8600       | D8600        |
| 2VP65             | D8600       | -            |
| 2VP68             | D8670       | -            |
| 2VP71             | D8670       | -            |
| 2VP75             | D8740       | -            |

# Features/Benefits of:

## Heavy Duty Stock Sheave & Bushing Combinations

### QD Sheaves & Bushings

- Sheaves available for belt sizes: A/B, C, 3V, 5V and 8V
- 1-12 groove
- Max. O.D. 71"
- Bushings stock in JA thru W sizes
- Bushings SH-W include a set screw in flange over keyway.
- Sheave/bushing can be reverse mounted (Bolts thru sheave then into bushing OR bolts thru bushing then into sheave)



### DST Sheaves & Bushings

- Sheaves available for A/B section belts
- 1-4 groove
- Max. O.D. 38"
- DST sheaves offer more sizes from 3.75" O.D. up to 38.35" O.D. as compared to QD and TB.
- Bushings stock in G-H-P1-P2- Q1-Q2-R1 & R2
- Longest LTB (length thru bore) of all bushings
- Bushing and sheave use an additional key between the O.D. of bushing and I.D. of hub to transmit torque.



### TB Sheaves & Bushings

- Sheaves available for belt sizes: A/B, 3V and 5V
- 1-6 groove
- Max. O.D. 50"
- Bushings stock in sizes 1008 thru 5050
- No flange or hub
- Shortest LTB (length thru bore) of all bushings
- Flush mounting, no exposed bolts



**ALL bushings stocked in inch & metric sizes.  
Rework machining available from Wisconsin.**

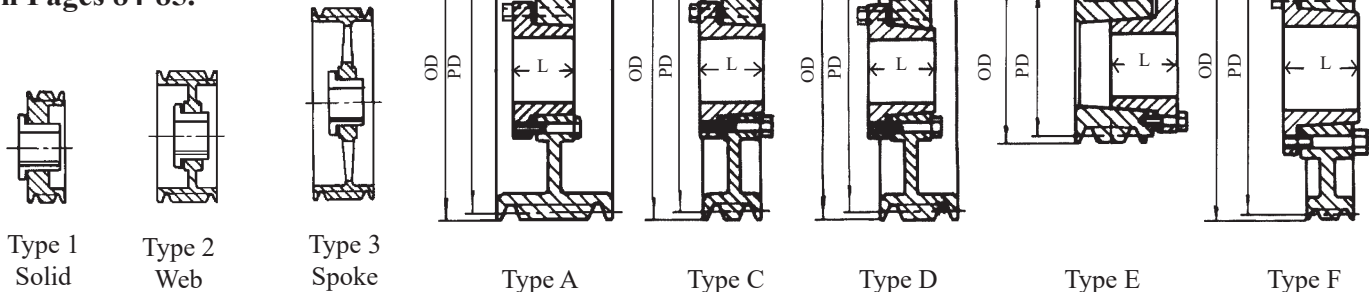
Cast Iron Sheaves - Heavy Duty  
Bushed, One and Two Groove  
A-B QD Sheaves  
Order part number size  
Example: 1B34SH



For A, AX, B & BX V-Belts.

See pages 102-108

Order QD bushings separately  
Stock Bushings Located  
on Pages 84-85.



| O.D.  | P.D.  |       | 1 Groove F = 1B34SH THRU 1B64SDS = 7/8<br>1B66SDS THRU 1B300SF = 1 |      |      |      |         |      | 2 Groove F = 1 3/4 |      |      |       |         |       |
|-------|-------|-------|--------------------------------------------------------------------|------|------|------|---------|------|--------------------|------|------|-------|---------|-------|
|       | A     | B     | Part No.                                                           | Bush | Type | K    | L       | WT.  | Part No.           | Bush | Type | K     | L       | WT.   |
| 3.75  | 3.00  | 3.40  | 1B34SH                                                             | SH   | D-1  | 0    | 1 5/16  | 1.4  | *2B34SH            | SH   | E-1  | 0     | 1 5/16  | 2.4   |
| 3.95  | 3.20  | 3.60  | 1B36SH                                                             | SH   | D-1  | 0    | 1 5/16  | 1.6  | *2B36SH            | SH   | D-1  | 3/16  | 1 5/16  | 2.7   |
| 4.15  | 3.40  | 3.80  | 1B38SH                                                             | SH   | D-1  | 0    | 1 5/16  | 1.7  | *2B38SH            | SH   | D-1  | 3/16  | 1 5/16  | 2.9   |
| 4.35  | 3.60  | 4.00  | 1B40SH                                                             | SH   | C-1  | 1/16 | 1 5/16  | 1.9  | +2B40SH            | SH   | A-1  | 11/16 | 1 5/16  | 3.2   |
| 4.55  | 3.80  | 4.20  | 1B42SH                                                             | SH   | C-1  | 1/16 | 1 5/16  | 2.2  | +2B42SH            | SH   | A-1  | 11/16 | 1 5/16  | 3.7   |
| 4.75  | 4.00  | 4.40  | 1B44SH                                                             | SH   | C-1  | 1/16 | 1 5/16  | 2.5  | 2B44SH             | SH   | A-1  | 11/16 | 1 5/16  | 4.1   |
| 4.95  | 4.20  | 4.60  | 1B46SDS                                                            | SDS  | C-1  | 1/8  | 1 5/16  | 2.5  | 2B46SDS            | SDS  | A-1  | 11/16 | 1 5/16  | 4.2   |
| 5.15  | 4.40  | 4.80  | 1B48SDS                                                            | SDS  | C-1  | 1/8  | 1 5/16  | 2.8  | 2B48SDS            | SDS  | A-1  | 11/16 | 1 5/16  | 4.6   |
| 5.35  | 4.60  | 5.00  | 1B50SDS                                                            | SDS  | C-1  | 1/8  | 1 5/16  | 3.1  | 2B50SDS            | SDS  | A-1  | 11/16 | 1 5/16  | 5.0   |
| 5.55  | 4.80  | 5.20  | 1B52SDS                                                            | SDS  | C-1  | 1/8  | 1 5/16  | 3.3  | 2B52SDS            | SDS  | A-1  | 11/16 | 1 5/16  | 5.4   |
| 5.75  | 5.00  | 5.40  | 1B54SDS                                                            | SDS  | C-1  | 1/8  | 1 5/16  | 3.7  | 2B54SDS            | SDS  | A-1  | 11/16 | 1 5/16  | 5.8   |
| 5.95  | 5.20  | 5.60  | 1B56SDS                                                            | SDS  | C-1  | 1/8  | 1 5/16  | 4.2  | 2B56SDS            | SDS  | A-1  | 11/16 | 1 5/16  | 6.1   |
| 6.15  | 5.40  | 5.80  | 1B58SDS                                                            | SDS  | C-1  | 1/8  | 1 5/16  | 3.9  | 2B58SDS            | SDS  | A-1  | 11/16 | 1 5/16  | 6.1   |
| 6.35  | 5.60  | 6.00  | 1B60SDS                                                            | SDS  | C-2  | 1/8  | 1 5/16  | 4.0  | 2B60SDS            | SDS  | A-2  | 11/16 | 1 5/16  | 6.4   |
| 6.55  | 5.80  | 6.20  | 1B62SDS                                                            | SDS  | C-2  | 1/8  | 1 5/16  | 4.2  | 2B62SDS            | SDS  | A-2  | 11/16 | 1 5/16  | 6.7   |
| 6.75  | 6.00  | 6.40  | 1B64SDS                                                            | SDS  | C-2  | 1/8  | 1 5/16  | 4.3  | 2B64SDS            | SDS  | A-2  | 11/16 | 1 5/16  | 7.1   |
| 6.95  | 6.20  | 6.60  | 1B66SDS                                                            | SDS  | C-2  | 1/4  | 1 5/16  | 5.1  | 2B66SDS            | SDS  | A-2  | 11/16 | 1 5/16  | 7.6   |
| 7.15  | 6.40  | 6.80  | 1B68SDS                                                            | SDS  | C-2  | 1/4  | 1 5/16  | 5.3  | 2B68SDS            | SDS  | A-2  | 11/16 | 1 5/16  | 7.8   |
| 7.35  | 6.60  | 7.00  | 1B70SDS                                                            | SDS  | C-2  | 1/4  | 1 5/16  | 5.6  | 2B70SK             | SK   | D-2  | 7/16  | 1 15/16 | 9.5   |
| 7.75  | 7.00  | 7.40  | 1B74SDS                                                            | SDS  | C-2  | 1/4  | 1 5/16  | 6.0  | 2B74SK             | SK   | D-2  | 7/16  | 1 15/16 | 10.2  |
| 8.35  | 7.60  | 8.00  | 1B80SDS                                                            | SDS  | C-2  | 1/4  | 1 5/16  | 6.6  | 2B80SK             | SK   | D-2  | 7/16  | 1 15/16 | 10.8  |
| 8.95  | 8.20  | 8.60  | 1B86SDS                                                            | SDS  | C-3  | 1/4  | 1 5/16  | 6.8  | 2B86SK             | SK   | D-3  | 7/16  | 1 15/16 | 11.7  |
| 9.35  | 8.60  | 9.00  | 1B90SDS                                                            | SDS  | C-3  | 1/4  | 1 5/16  | 7.0  | 2B90SK             | SK   | D-3  | 7/16  | 1 15/16 | 13.0  |
| 9.75  | 9.00  | 9.40  | 1B94SDS                                                            | SDS  | C-3  | 1/4  | 1 5/16  | 7.4  | 2B94SK             | SK   | D-3  | 7/16  | 1 15/16 | 13.2  |
| 11.35 | 10.60 | 11.00 | 1B110SDS                                                           | SDS  | C-3  | 1/4  | 1 5/16  | 10.5 | 2B110SK            | SK   | D-3  | 7/16  | 1 15/16 | 16.4  |
| 12.75 | 12.00 | 12.40 | 1B124SDS                                                           | SDS  | C-3  | 1/4  | 1 5/16  | 11.5 | 2B124SK            | SK   | D-3  | 7/16  | 1 15/16 | 18.3  |
| 13.95 | 13.20 | 13.60 | 1B136SDS                                                           | SDS  | C-3  | 1/4  | 1 5/16  | 12.9 | 2B136SK            | SK   | D-3  | 7/16  | 1 15/16 | 20.3  |
| 15.75 | 15.00 | 15.40 | 1B154SK                                                            | SK   | F-3  | 1/4  | 1 15/16 | 17.1 | 2B154SK            | SK   | D-3  | 7/16  | 1 15/16 | 23.8  |
| 16.35 | 15.60 | 16.00 | 1B160SK                                                            | SK   | F-3  | 1/4  | 1 15/16 | 18.6 | 2B160SK            | SK   | D-3  | 7/16  | 1 15/16 | 24.3  |
| 18.75 | 18.00 | 18.40 | 1B184SK                                                            | SK   | F-3  | 1/4  | 1 15/16 | 23.8 | 2B184SK            | SK   | D-3  | 7/16  | 1 15/16 | 31.8  |
| 20.35 | 19.60 | 20.00 | 1B200SK                                                            | SK   | F-3  | 1/4  | 1 15/16 | 27.0 | 2B200SF            | SF   | D-3  | 3/8   | 2 1/16  | 33.4  |
| 25.35 | 24.60 | 25.00 | 1B250SF                                                            | SF   | F-3  | 1/4  | 2 1/16  | 39.0 | 2B250SF            | SF   | D-3  | 3/8   | 2 1/16  | 45.0  |
| 30.35 | 29.60 | 30.00 | 1B300SF                                                            | SF   | F-3  | 1/4  | 2 1/16  | 57.0 | 2B300SF            | SF   | D-3  | 3/8   | 2 1/16  | 71.2  |
| 38.35 | 37.60 | 38.00 |                                                                    |      |      |      |         |      | 2B380SF            | SF   | D-3  | 3/8   | 2 1/16  | 103.0 |

\* = Can only be mounted from one direction.

+ = Includes cap screws to be used in place of the ones that come with the bushing.

**Note:** Cast iron sheaves may not exceed 6500 FPM. This speed

**DOES NOT** specify if dynamic balancing (2 plane) is required.

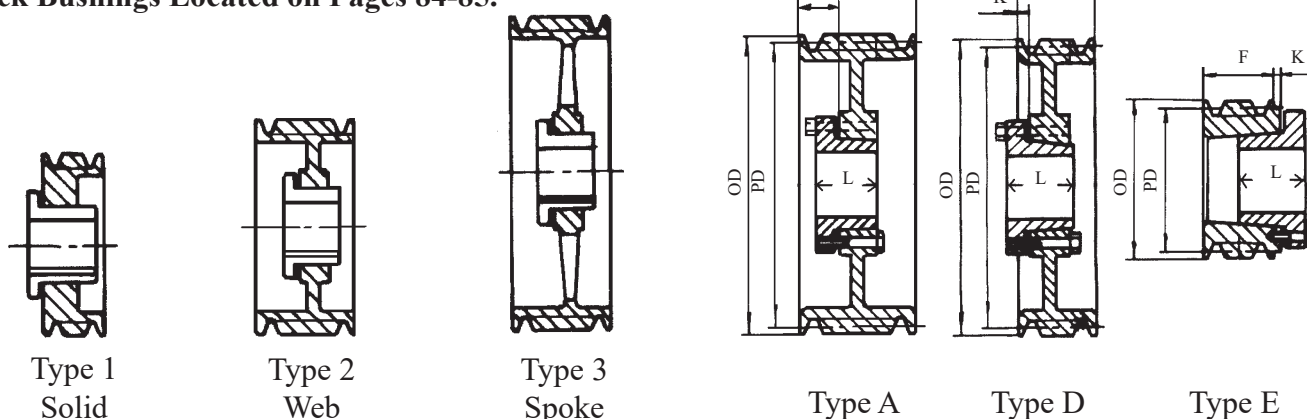
Contact customer service to verify whether dynamic balancing is required.

# QD Bushing Sheaves

Cast Iron Sheaves - Heavy Duty  
Bushed, Three and Four Groove  
A-B QD Sheaves  
Order part number size  
Example: 3B34SH



For A, AX, B & BX V-Belts. See pages 102-108.  
Order QD bushings separately.  
Stock Bushings Located on Pages 84-85.



| P.D.  |       |       | 3 Groove F = 2 1/2 |      |      |        |         |       | 4 Groove F = 3 1/4 |      |      |        |         |       |
|-------|-------|-------|--------------------|------|------|--------|---------|-------|--------------------|------|------|--------|---------|-------|
| O.D.  | A     | B     | Part No.           | Bush | Type | K      | L       | WT.   | Part No.           | Bush | Type | K      | L       | WT.   |
| 3.75  | 3.00  | 3.40  | *3B34SH            | SH   | E-1  | 0      | 1 5/16  | 3.3   | *4B34SD            | SD   | E-1  | 5/16   | 1 13/16 | 4.3   |
| 3.95  | 3.20  | 3.60  | *3B36SH            | SH   | D-1  | 3/16   | 1 5/16  | 3.6   | *4B36SD            | SD   | E-1  | 5/16   | 1 13/16 | 4.8   |
| 4.15  | 3.40  | 3.80  | *3B38SH            | SH   | D-1  | 3/16   | 1 5/16  | 3.8   | *4B38SD            | SD   | E-1  | 5/16   | 1 13/16 | 5.2   |
| 4.35  | 3.60  | 4.00  | +3B40SH            | SH   | A-1  | 1 1/16 | 1 5/16  | 4.2   | *4B40SD            | SD   | E-1  | 0      | 1 13/16 | 5.6   |
| 4.55  | 3.80  | 4.20  | +3B42SH            | SH   | A-1  | 1 1/16 | 1 5/16  | 4.8   | *4B42SD            | SD   | E-1  | 0      | 1 13/16 | 6.2   |
| 4.75  | 4.00  | 4.40  | 3B44SH             | SH   | A-1  | 1 1/16 | 1 5/16  | 5.3   | *4B44SD            | SD   | E-1  | 0      | 1 13/16 | 6.6   |
| 4.95  | 4.20  | 4.60  | +3B46SD            | SD   | A-1  | 1 1/16 | 1 13/16 | 6.0   | +4B46SD            | SD   | A-1  | 1 5/16 | 1 13/16 | 7.2   |
| 5.15  | 4.40  | 4.80  | 3B48SD             | SD   | A-1  | 1 1/16 | 1 13/16 | 6.5   | 4B48SD             | SD   | A-1  | 1 5/16 | 1 13/16 | 7.9   |
| 5.35  | 4.60  | 5.00  | 3B50SD             | SD   | A-1  | 1 1/16 | 1 13/16 | 7.2   | 4B50SD             | SD   | A-1  | 1 5/16 | 1 13/16 | 8.4   |
| 5.55  | 4.80  | 5.20  | 3B52SD             | SD   | A-1  | 1 1/16 | 1 13/16 | 7.8   | 4B52SD             | SD   | A-1  | 1 5/16 | 1 13/16 | 9.2   |
| 5.75  | 5.00  | 5.40  | 3B54SD             | SD   | A-1  | 1 1/16 | 1 13/16 | 8.4   | 4B54SD             | SD   | A-1  | 1 5/16 | 1 13/16 | 9.8   |
| 5.95  | 5.20  | 5.60  | 3B56SD             | SD   | A-1  | 1 1/16 | 1 13/16 | 9.0   | 4B56SD             | SD   | A-1  | 1 5/16 | 1 13/16 | 10.7  |
| 6.15  | 5.40  | 5.80  | 3B58SD             | SD   | A-1  | 1 1/16 | 1 13/16 | 9.7   | 4B58SD             | SD   | A-1  | 1 5/16 | 1 13/16 | 11.4  |
| 6.35  | 5.60  | 6.00  | 3B60SD             | SD   | A-1  | 1 1/16 | 1 13/16 | 8.9   | 4B60SD             | SD   | A-1  | 1 5/16 | 1 13/16 | 10.9  |
| 6.55  | 5.80  | 6.20  | 3B62SD             | SD   | A-2  | 1 1/16 | 1 13/16 | 9.4   | 4B62SD             | SD   | A-2  | 1 5/16 | 1 13/16 | 11.3  |
| 6.75  | 6.00  | 6.40  | 3B64SD             | SD   | A-2  | 1 1/16 | 1 13/16 | 9.7   | 4B64SD             | SD   | A-2  | 1 5/16 | 1 13/16 | 11.7  |
| 6.95  | 6.20  | 6.60  | 3B66SD             | SD   | A-2  | 1 1/16 | 1 13/16 | 10.0  | 4B66SD             | SD   | A-2  | 1 5/16 | 1 13/16 | 12.2  |
| 7.15  | 6.40  | 6.80  | 3B68SD             | SD   | A-2  | 1 1/16 | 1 13/16 | 11.1  | 4B68SD             | SD   | A-2  | 1 5/16 | 1 13/16 | 13.0  |
| 7.35  | 6.60  | 7.00  | 3B70SK             | SK   | A-2  | 11/16  | 1 15/16 | 11.4  | 4B70SK             | SK   | A-2  | 1      | 1 15/16 | 13.7  |
| 7.75  | 7.00  | 7.40  | 3B74SK             | SK   | A-2  | 11/16  | 1 15/16 | 12.5  | 4B74SK             | SK   | A-2  | 1      | 1 15/16 | 14.8  |
| 8.35  | 7.60  | 8.00  | 3B80SK             | SK   | A-2  | 11/16  | 1 15/16 | 13.6  | 4B80SK             | SK   | A-2  | 1      | 1 15/16 | 16.3  |
| 8.95  | 8.20  | 8.60  | 3B86SK             | SK   | A-3  | 11/16  | 1 15/16 | 14.6  | 4B86SK             | SK   | A-3  | 1      | 1 15/16 | 17.7  |
| 9.35  | 8.60  | 9.00  | 3B90SK             | SK   | A-3  | 11/16  | 1 15/16 | 15.9  | 4B90SK             | SK   | A-3  | 1      | 1 15/16 | 19.0  |
| 9.75  | 9.00  | 9.40  | 3B94SK             | SK   | A-3  | 11/16  | 1 15/16 | 16.6  | 4B94SK             | SK   | A-3  | 1      | 1 15/16 | 19.7  |
| 11.35 | 10.60 | 11.00 | 3B110SK            | SK   | A-3  | 11/16  | 1 15/16 | 20.8  | 4B110SK            | SK   | A-3  | 1      | 1 15/16 | 25.2  |
| 12.75 | 12.00 | 12.40 | 3B124SK            | SK   | A-3  | 11/16  | 1 15/16 | 22.5  | 4B124SK            | SK   | A-3  | 1      | 1 15/16 | 28.4  |
| 13.95 | 13.20 | 13.60 | 3B136SK            | SK   | A-3  | 11/16  | 1 15/16 | 25.3  | 4B136SK            | SK   | A-3  | 1      | 1 15/16 | 31.3  |
| 15.75 | 15.00 | 15.40 | 3B154SK            | SK   | A-3  | 11/16  | 1 15/16 | 29.8  | 4B154SF            | SF   | A-3  | 1      | 2 1/16  | 37.6  |
| 16.35 | 15.60 | 16.00 | 3B160SK            | SK   | A-3  | 11/16  | 1 15/16 | 30.3  | 4B160SF            | SF   | A-3  | 1      | 2 1/16  | 38.6  |
| 18.75 | 18.00 | 18.40 | 3B184SK            | SK   | A-3  | 11/16  | 1 15/16 | 39.1  | 4B184SF            | SF   | A-3  | 1      | 2 1/16  | 45.2  |
| 20.35 | 19.60 | 20.00 | 3B200SF            | SF   | D-3  | 5/8    | 2 1/16  | 43.0  | 4B200SF            | SF   | A-3  | 1      | 2 1/16  | 52.0  |
| 25.35 | 24.60 | 25.00 | 3B250SF            | SF   | D-3  | 5/8    | 2 1/16  | 56.0  | 4B250E             | E    | A-3  | 1      | 2 3/4   | 72.0  |
| 30.35 | 29.60 | 30.00 | 3B300SF            | SF   | D-3  | 5/8    | 2 1/16  | 77.0  | 4B300E             | E    | A-3  | 1      | 2 3/4   | 97.0  |
| 38.35 | 37.60 | 38.00 | 3B380E             | E    | D-3  | 5/8    | 2 3/4   | 115.0 | 4B380E             | E    | A-3  | 1      | 2 3/4   | 151.1 |

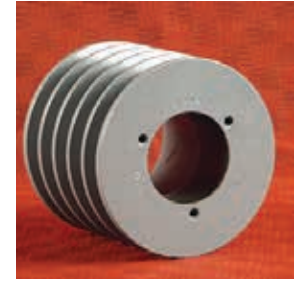
\* = Can only be mounted from one direction.

+ = Includes cap screws to be used in place of the ones that come with the bushing.

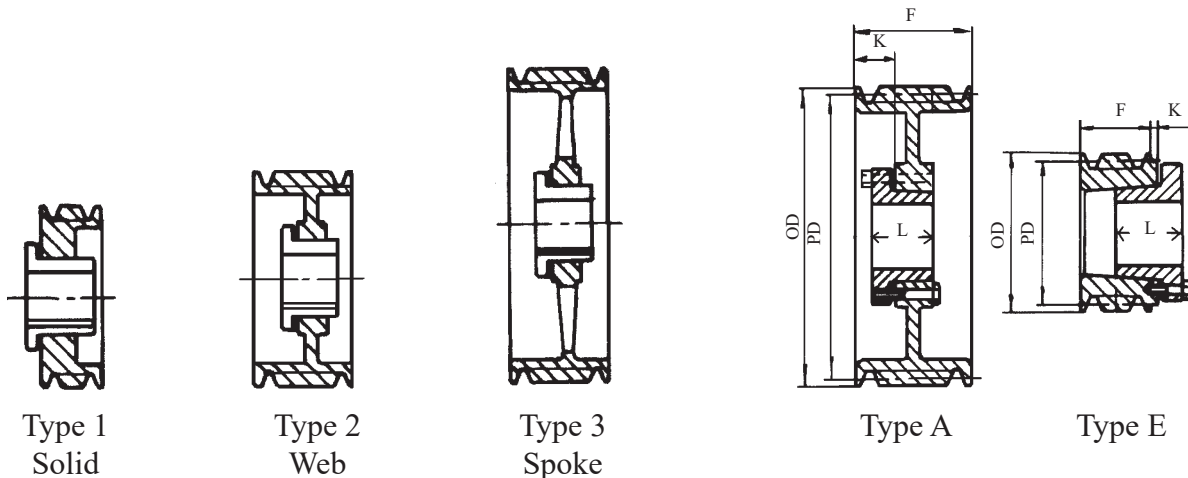
**Note:** Cast iron sheaves may not exceed 6500 FPM. This speed  
**DOES NOT** specify if dynamic balancing (2 plane) is required.  
Contact customer service to verify whether dynamic balancing  
is required.



Cast Iron Sheaves - Heavy Duty  
Bushed, **Five and Six Groove**  
A-B QD Sheaves  
Order part number size  
Example: 5B34SD



For A, AX, B & BX V-Belts. See pages 102-108.  
Order QD bushings separately.  
Stock Bushings Located on Pages 84-85.



| P.D.  |       |       | 5 Groove F = 4 |      |      |        |         |       | 6 Groove F = 4 3/4 |      |      |         |         |       |
|-------|-------|-------|----------------|------|------|--------|---------|-------|--------------------|------|------|---------|---------|-------|
| O.D.  | A     | B     | Part No.       | Bush | Type | K      | L       | WT.   | Part No.           | Bush | Type | K       | L       | WT.   |
| 3.75  | 3.00  | 3.40  | *+5B34SD       | SD   | E-1  | 5/16   | 1 13/16 | 5.2   | *+6B34SD           | SD   | E-1  | 5/16    | 1 13/16 | 5.8   |
| 3.95  | 3.20  | 3.60  | *+5B36SD       | SD   | E-1  | 5/16   | 1 13/16 | 5.7   | *+6B36SD           | SD   | E-1  | 5/16    | 1 13/16 | 6.8   |
| 4.15  | 3.40  | 3.80  | *5B38SD        | SD   | E-1  | 5/16   | 1 13/16 | 6.2   | *6B38SD            | SD   | E-1  | 5/16    | 1 13/16 | 7.1   |
| 4.35  | 3.60  | 4.00  | *5B40SD        | SD   | E-1  | 0      | 1 13/16 | 6.5   | *6B40SD            | SD   | E-1  | 0       | 1 13/16 | 7.7   |
| 4.55  | 3.80  | 4.20  | *5B42SD        | SD   | E-1  | 0      | 1 13/16 | 7.1   | *6B42SD            | SD   | E-1  | 0       | 1 13/16 | 8.6   |
| 4.75  | 4.00  | 4.40  | *5B44SD        | SD   | E-1  | 0      | 1 13/16 | 7.8   | *6B44SD            | SD   | E-1  | 0       | 1 13/16 | 9.3   |
| 4.95  | 4.20  | 4.60  | +5B46SD        | SD   | A-1  | 1 5/16 | 1 13/16 | 8.5   | +6B46SD            | SD   | A-1  | 1 3/16  | 1 13/16 | 9.8   |
| 5.15  | 4.40  | 4.80  | 5B48SD         | SD   | A-1  | 1 5/16 | 1 13/16 | 9.2   | 6B48SD             | SD   | A-1  | 1 3/16  | 1 13/16 | 10.8  |
| 5.35  | 4.60  | 5.00  | 5B50SD         | SD   | A-1  | 1 5/16 | 1 13/16 | 9.9   | 6B50SD             | SD   | A-1  | 1 3/16  | 1 13/16 | 11.0  |
| 5.55  | 4.80  | 5.20  | 5B52SD         | SD   | A-1  | 1 5/16 | 1 13/16 | 10.9  | 6B52SD             | SD   | A-1  | 1 3/16  | 1 13/16 | 12.0  |
| 5.75  | 5.00  | 5.40  | 5B54SK         | SK   | A-1  | 1 5/16 | 1 15/16 | 10.5  | 6B54SK             | SK   | A-1  | 1 5/16  | 1 15/16 | 12.5  |
| 5.95  | 5.20  | 5.60  | 5B56SK         | SK   | A-1  | 1 5/16 | 1 15/16 | 11.4  | 6B56SK             | SK   | A-1  | 1 5/16  | 1 15/16 | 13.3  |
| 6.15  | 5.40  | 5.80  | 5B58SK         | SK   | A-1  | 1 5/16 | 1 15/16 | 12.3  | 6B58SK             | SK   | A-1  | 1 5/16  | 1 15/16 | 14.1  |
| 6.35  | 5.60  | 6.00  | 5B60SK         | SK   | A-1  | 1 5/16 | 1 15/16 | 12.8  | 6B60SK             | SK   | A-1  | 1 5/16  | 1 15/16 | 15.4  |
| 6.55  | 5.80  | 6.20  | 5B62SK         | SK   | A-1  | 1 5/16 | 1 15/16 | 13.6  | 6B62SK             | SK   | A-1  | 1 5/16  | 1 15/16 | 16.4  |
| 6.75  | 6.00  | 6.40  | 5B64SK         | SK   | A-1  | 1 5/16 | 1 15/16 | 14.6  | 6B64SK             | SK   | A-1  | 1 5/16  | 1 15/16 | 17.3  |
| 6.95  | 6.20  | 6.60  | 5B66SK         | SK   | A-1  | 1 5/16 | 1 15/16 | 15.9  | 6B66SK             | SK   | A-1  | 1 5/16  | 1 15/16 | 17.9  |
| 7.15  | 6.40  | 6.80  | 5B68SK         | SK   | A-1  | 1 5/16 | 1 15/16 | 16.7  | 6B68SK             | SK   | A-1  | 1 5/16  | 1 15/16 | 19.3  |
| 7.35  | 6.60  | 7.00  | 5B70SF         | SF   | A-1  | 1 5/16 | 2 1/16  | 17.1  | 6B70SF             | SF   | A-1  | 1 11/16 | 2 1/16  | 19.8  |
| 7.75  | 7.00  | 7.40  | 5B74SF         | SF   | A-1  | 1 5/16 | 2 1/16  | 18.7  | 6B74SF             | SF   | A-2  | 1 11/16 | 2 1/16  | 22.4  |
| 8.35  | 7.60  | 8.00  | 5B80SF         | SF   | A-2  | 1 5/16 | 2 1/16  | 19.3  | 6B80SF             | SF   | A-2  | 1 11/16 | 2 1/16  | 25.4  |
| 8.95  | 8.20  | 8.60  | 5B86SF         | SF   | A-2  | 1 5/16 | 2 1/16  | 21.6  | 6B86SF             | SF   | A-2  | 1 11/16 | 2 1/16  | 25.7  |
| 9.75  | 9.00  | 9.40  | 5B94SF         | SF   | A-2  | 1 5/16 | 2 1/16  | 24.0  | 6B94SF             | SF   | A-2  | 1 11/16 | 2 1/16  | 27.9  |
| 11.35 | 10.60 | 11.00 | 5B110SF        | SF   | A-3  | 1 5/16 | 2 1/16  | 28.7  | 6B110SF            | SF   | A-3  | 1 11/16 | 2 1/16  | 33.1  |
| 12.75 | 12.00 | 12.40 | 5B124SF        | SF   | A-3  | 1 5/16 | 2 1/16  | 33.8  | 6B124SF            | SF   | A-3  | 1 11/16 | 2 1/16  | 37.5  |
| 13.95 | 13.20 | 13.60 | 5B136SF        | SF   | A-3  | 1 5/16 | 2 1/16  | 37.0  | 6B136SF            | SF   | A-3  | 1 11/16 | 2 1/16  | 42.0  |
| 15.75 | 15.00 | 15.40 | 5B154SF        | SF   | A-3  | 1 5/16 | 2 1/16  | 43.0  | 6B154SF            | SF   | A-3  | 1 11/16 | 2 1/16  | 49.0  |
| 16.35 | 15.60 | 16.00 | 5B160SF        | SF   | A-3  | 1 5/16 | 2 1/16  | 48.0  | 6B160SF            | SF   | A-3  | 1 11/16 | 2 1/16  | 48.8  |
| 18.75 | 18.00 | 18.40 | 5B184SF        | SF   | A-3  | 1 5/16 | 2 1/16  | 51.8  | 6B184SF            | SF   | A-3  | 1 11/16 | 2 1/16  | 60.0  |
| 20.35 | 19.60 | 20.00 | 5B200E         | E    | A-3  | 1 1/4  | 2 3/4   | 62.0  | 6B200E             | E    | A-3  | 1 3/8   | 2 3/4   | 72.0  |
| 25.35 | 24.60 | 25.00 | 5B250E         | E    | A-3  | 1 1/4  | 2 3/4   | 85.0  | 6B250E             | E    | A-3  | 1 3/8   | 2 3/4   | 94.0  |
| 30.35 | 29.60 | 30.00 | 5B300E         | E    | A-3  | 1 1/4  | 2 3/4   | 85.0  | 6B300E             | E    | A-3  | 1 3/8   | 2 3/4   | 131.0 |
| 38.35 | 37.60 | 38.00 | 5B380E         | E    | A-3  | 1 1/4  | 2 3/4   | 159.0 | 6B380E             | E    | A-3  | 1 3/8   | 2 3/4   | 183.0 |

\* = Can only be mounted from one direction.

+ = Includes cap screws to be used in place of the ones that come with the bushing.

**Note:** Cast iron sheaves may not exceed 6500 FPM. This speed **DOES NOT** specify if dynamic balancing (2 plane) is required.

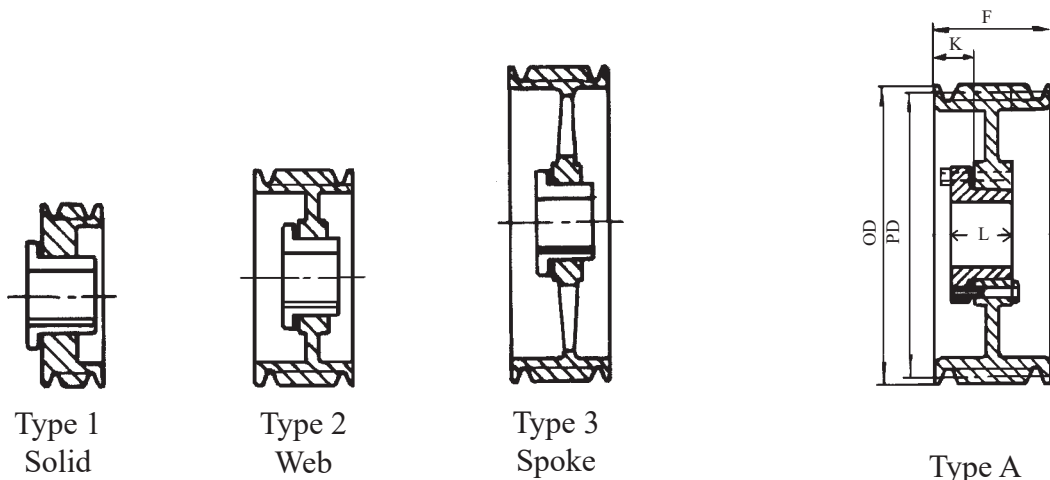
Contact customer service to verify whether dynamic balancing is required.



# QD Bushing Sheaves

Cast Iron Sheaves  
Bushed, Seven and Eight Groove  
A-B QD Sheaves  
Order part number size  
Example: 7B54SK

For A, AX, B & BX V-Belts. See pages 102-108.  
Order QD bushings separately.  
Stock Bushings Located on Pages 84-85.

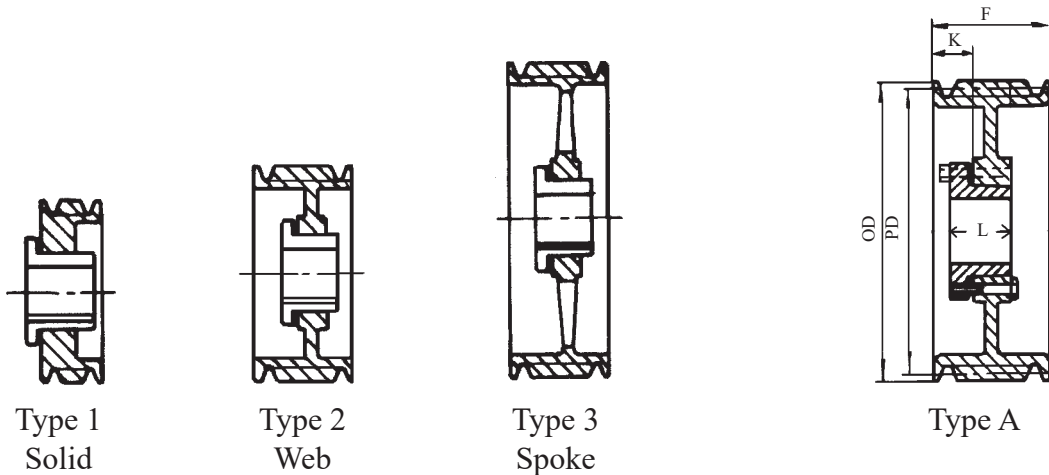


| P.D.  |       |       | 7 Groove F = 5 1/2 |      |      |         |         |      | 8 Groove F = 6 1/4 |      |      |         |         |       |
|-------|-------|-------|--------------------|------|------|---------|---------|------|--------------------|------|------|---------|---------|-------|
| O.D.  | A     | B     | Part No.           | Bush | Type | K       | L       | WT.  | Part No.           | Bush | Type | K       | L       | WT.   |
| 5.75  | 5.00  | 5.40  | 7B54SK             | SK   | A-1  | 1 13/16 | 1 15/16 | 12.5 | 8B54SK             | SK   | A-1  | 1 13/16 | 1 15/16 | 15.5  |
| 5.95  | 5.20  | 5.60  | 7B56SK             | SK   | A-1  | 1 13/16 | 1 15/16 | 13.6 | 8B56SK             | SK   | A-1  | 1 13/16 | 1 15/16 | 16.6  |
| 6.15  | 5.40  | 5.80  | 7B58SK             | SK   | A-1  | 1 13/16 | 1 15/16 | 14.1 | 8B58SK             | SK   | A-1  | 1 13/16 | 1 15/16 | 17.1  |
| 6.35  | 5.60  | 6.00  | 7B60SK             | SK   | A-1  | 1 13/16 | 1 15/16 | 15.7 | 8B60SK             | SK   | A-1  | 1 13/16 | 1 15/16 | 18.7  |
| 6.55  | 5.80  | 6.20  | 7B62SF             | SF   | A-1  | 1 13/16 | 2 1/16  | 16.3 | 8B62SF             | SF   | A-1  | 1 13/16 | 2 1/16  | 19.3  |
| 6.75  | 6.00  | 6.40  | 7B64SF             | SF   | A-1  | 1 13/16 | 2 1/16  | 17.3 | 8B64SF             | SF   | A-1  | 1 13/16 | 2 1/16  | 20.3  |
| 6.95  | 6.20  | 6.60  | 7B66SF             | SF   | A-1  | 1 13/16 | 2 1/16  | 18.3 | 8B66SF             | SF   | A-1  | 1 13/16 | 2 1/16  | 21.3  |
| 7.15  | 6.40  | 6.80  | 7B68SF             | SF   | A-1  | 1 13/16 | 2 1/16  | 19.9 | 8B68SF             | SF   | A-1  | 1 13/16 | 2 1/16  | 22.9  |
| 7.35  | 6.60  | 7.00  | 7B70SF             | SF   | A-1  | 1 13/16 | 2 1/16  | 21.7 | 8B70SF             | SF   | A-1  | 1 13/16 | 2 1/16  | 24.7  |
| 7.75  | 7.00  | 7.40  | 7B74SF             | SF   | A-1  | 1 13/16 | 2 1/16  | 23.5 | 8B74SF             | SF   | A-1  | 1 13/16 | 2 1/16  | 26.5  |
| 8.95  | 8.20  | 8.60  | 7B86E              | E    | A-1  | 2 3/8   | 2 3/4   | 32.3 | 8B86E              | E    | A-1  | 2 3/8   | 2 3/4   | 35.3  |
| 9.75  | 9.00  | 9.40  | 7B94E              | E    | A-1  | 2 3/8   | 2 3/4   | 37.9 | 8B94E              | E    | A-1  | 2 3/8   | 2 3/4   | 41.9  |
| 11.35 | 10.60 | 11.00 | 7B110E             | E    | A-2  | 2 3/8   | 2 3/4   | 41.9 | 8B110E             | E    | A-2  | 2 3/8   | 2 3/4   | 44.9  |
| 12.75 | 12.00 | 12.40 | 7B124E             | E    | A-3  | 2 3/8   | 2 3/4   | 49.0 | 8B124E             | E    | A-3  | 2 3/8   | 2 3/4   | 52.0  |
| 13.95 | 13.20 | 13.60 | 7B136E             | E    | A-3  | 2 3/8   | 2 3/4   | 52.0 | 8B136E             | E    | A-3  | 2 3/8   | 2 3/4   | 55.0  |
| 15.75 | 15.00 | 15.40 | 7B154E             | E    | A-3  | 2 3/8   | 2 3/4   | 59.0 | 8B154E             | E    | A-3  | 2 3/8   | 2 3/4   | 61.0  |
| 16.35 | 15.60 | 16.00 | 7B160E             | E    | A-3  | 2 3/8   | 2 3/4   | 62.0 | 8B160E             | E    | A-3  | 2 3/8   | 2 3/4   | 64.0  |
| 18.75 | 18.00 | 18.40 |                    |      |      |         |         |      | 8B184F             | F    | A-3  | 1 5/16  | 3 3/4   | 82.0  |
| 20.35 | 19.60 | 20.00 |                    |      |      |         |         |      | 8B200F             | F    | A-3  | 1 5/16  | 3 3/4   | 93.0  |
| 25.35 | 24.60 | 25.00 |                    |      |      |         |         |      | 8B250F             | F    | A-3  | 1 5/16  | 3 3/4   | 116.0 |
| 30.35 | 29.60 | 30.00 |                    |      |      |         |         |      | 8B300F             | F    | A-3  | 1 5/16  | 3 3/4   | 157.0 |
| 38.35 | 37.60 | 38.00 |                    |      |      |         |         |      | 8B380F             | F    | A-3  | 1 5/16  | 3 3/4   | 216.0 |

**Note:** Cast iron sheaves may not exceed 6500 FPM.  
This speed **DOES NOT** specify if dynamic balancing  
(2 plane) is required. Contact customer service to  
verify whether dynamic balancing is required.

Cast Iron Sheaves  
Bushed, **Ten Groove**  
A-B QD Sheaves  
Order part number size  
Example: 10B54SK

**For A, AX, B & BX V-Belts. See pages 102-108.**  
Order QD bushings separately.  
**Stock Bushings Located on Pages 84-85.**



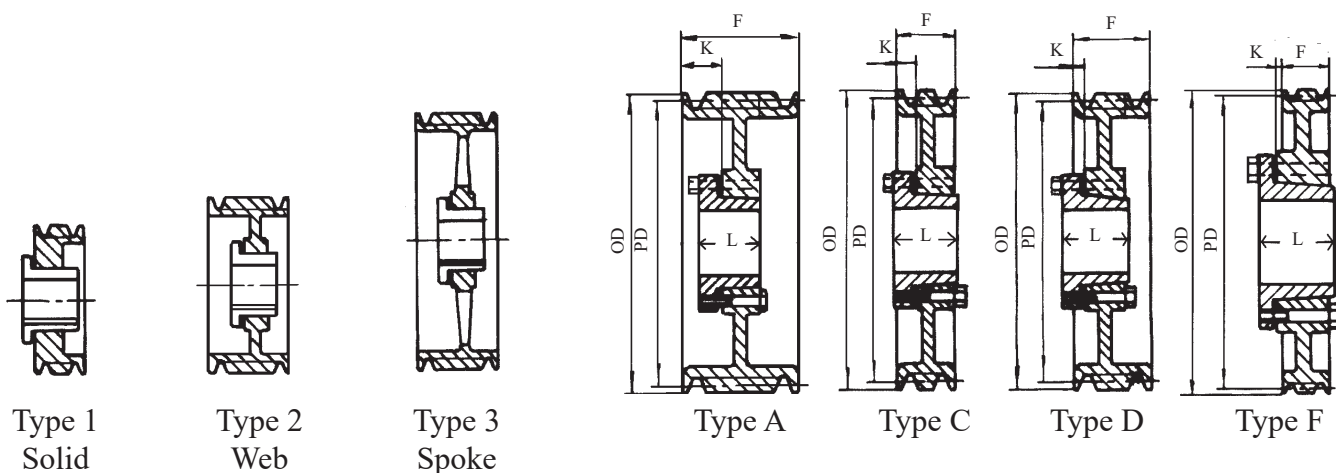
| O.D.  | P.D.  |       | 10 Groove F = 7 3/4 |      |      |        |         |       |
|-------|-------|-------|---------------------|------|------|--------|---------|-------|
|       | A     | B     |                     | Bush | Type | K      | L       | WT.   |
| 5.75  | 5.00  | 5.40  | 10B54SK             | SK   | A-1  | 2 9/16 | 1 15/16 | 18.5  |
| 5.95  | 5.20  | 5.60  | 10B56SK             | SK   | A-1  | 2 9/16 | 1 15/16 | 19.8  |
| 6.15  | 5.40  | 5.80  | 10B58SK             | SK   | A-1  | 2 9/16 | 1 15/16 | 21.2  |
| 6.35  | 5.60  | 6.00  | 10B60SK             | SK   | A-1  | 2 9/16 | 1 15/16 | 22.3  |
| 6.55  | 5.80  | 6.20  | 10B62SF             | SF   | A-1  | 2 9/16 | 2 1/16  | 22.8  |
| 6.75  | 6.00  | 6.40  | 10B64SF             | SF   | A-1  | 2 9/16 | 2 1/16  | 24.2  |
| 6.95  | 6.20  | 6.60  | 10B66SF             | SF   | A-1  | 2 9/16 | 2 1/16  | 25.6  |
| 7.15  | 6.40  | 6.80  | 10B68SF             | SF   | A-1  | 2 9/16 | 2 1/16  | 26.8  |
| 7.35  | 6.60  | 7.00  | 10B70SF             | SF   | A-1  | 2 9/16 | 2 1/16  | 28.3  |
| 7.75  | 7.00  | 7.40  | 10B74SF             | SF   | A-1  | 2 9/16 | 2 1/16  | 31.4  |
| 8.95  | 8.20  | 8.60  | 10B86E              | E    | A-1  | 3 1/8  | 2 3/4   | 41.0  |
| 9.75  | 9.00  | 9.40  | 10B94E              | E    | A-2  | 3 1/8  | 2 3/4   | 47.8  |
| 11.35 | 10.60 | 11.00 | 10B110E             | E    | A-2  | 3 1/8  | 2 3/4   | 58.0  |
| 12.75 | 12.00 | 12.40 | 10B124E             | E    | A-3  | 3 1/8  | 2 3/4   | 65.0  |
| 13.95 | 13.20 | 13.60 | 10B136F             | F    | A-3  | 2 1/16 | 3 3/4   | 80.0  |
| 15.75 | 15.00 | 15.40 | 10B154F             | F    | A-3  | 2 1/16 | 3 3/4   | 87.0  |
| 16.35 | 15.60 | 16.00 | 10B160F             | F    | A-3  | 2 1/16 | 3 3/4   | 89.0  |
| 18.75 | 18.00 | 18.40 | 10B184F             | F    | A-3  | 2 1/16 | 3 3/4   | 102.0 |
| 20.35 | 19.60 | 20.00 | 10B200F             | F    | A-3  | 2 1/16 | 3 3/4   | 112.0 |
| 25.35 | 24.60 | 25.00 | 10B250F             | F    | A-3  | 2 1/16 | 3 3/4   | 148.0 |
| 30.35 | 29.60 | 30.00 | 10B300F             | F    | A-3  | 2 1/16 | 3 3/4   | 188.0 |
| 38.35 | 37.60 | 38.00 | 10B380J             | J    | A-3  | 1 9/16 | 4 5/8   | 291.0 |

**Note:** Cast iron sheaves may not exceed 6500 FPM.  
This speed **DOES NOT** specify if dynamic balancing  
(2 plane) is required. Contact customer service to  
verify whether dynamic balancing is required.

# QD Bushing Sheaves

Cast Iron Sheaves  
Bushed, **One and Two Groove**  
C QD Sheaves  
Order part number size  
Example: 1C60SK

**For C & CX V-Belts. See pages 109-112.**  
Order QD bushings separately.  
**Stock Bushings Located on Pages 84-85.**

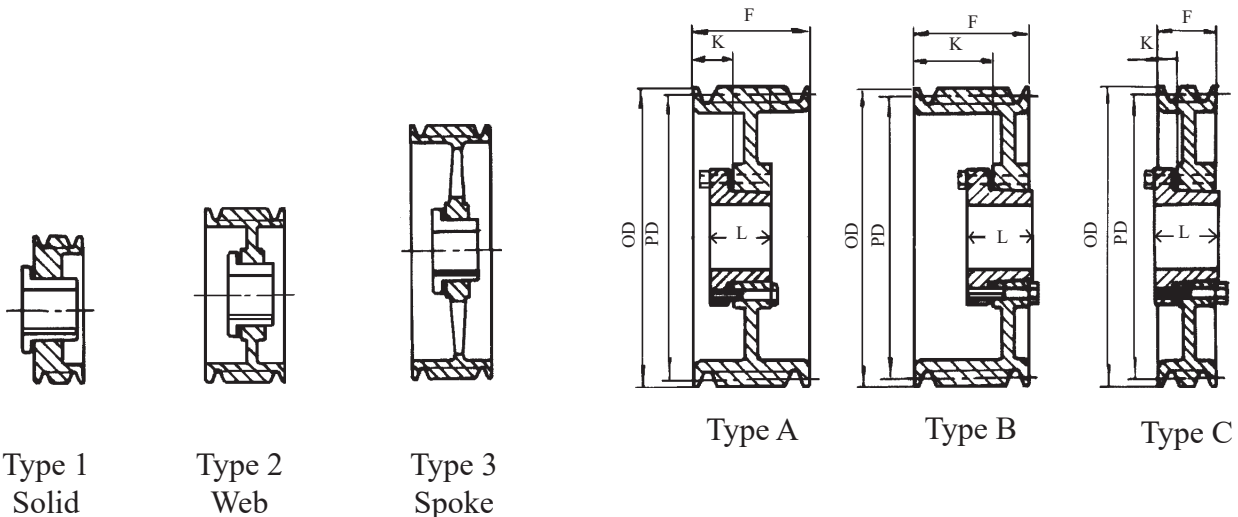


| Diameters |       | 1 Groove F = 1 3/8 |      |      |     |         |      | 2 Groove F = 2 3/8 |      |      |       |        |      |
|-----------|-------|--------------------|------|------|-----|---------|------|--------------------|------|------|-------|--------|------|
| O.D.      | P.D.  | Part No.           | Bush | Type | K   | L       | WT.  | Part No.           | Bush | Type | K     | L      | WT.  |
| 6.40      | 6.00  | 1C60SK             | SK   | C-1  | 1/8 | 1 15/16 | 8.7  | 2C60SF             | SF   | A-1  | 7/8   | 2 1/16 | 11.4 |
| 7.40      | 7.00  | 1C70SF             | SF   | C-1  | 1/8 | 2 1/16  | 9.7  | 2C70SF             | SF   | A-1  | 13/16 | 2 1/16 | 12.4 |
| 7.90      | 7.50  | 1C75SF             | SF   | C-1  | 1/8 | 2 1/16  | 11.4 | 2C75SF             | SF   | A-1  | 13/16 | 2 1/16 | 14.4 |
| 8.40      | 8.00  | 1C80SF             | SF   | C-1  | 1/8 | 2 1/16  | 13.0 | 2C80SF             | SF   | A-1  | 13/16 | 2 1/16 | 16.3 |
| 8.90      | 8.50  | 1C85SF             | SF   | C-2  | 1/8 | 2 1/16  | 12.6 | 2C85SF             | SF   | A-2  | 13/16 | 2 1/16 | 16.6 |
| 9.40      | 9.00  | 1C90SF             | SF   | C-2  | 1/8 | 2 1/16  | 12.8 | 2C90SF             | SF   | A-2  | 13/16 | 2 1/16 | 17.3 |
| 9.90      | 9.50  | 1C95SF             | SF   | C-2  | 1/8 | 2 1/16  | 13.3 | 2C95SF             | SF   | A-2  | 13/16 | 2 1/16 | 18.1 |
| 10.40     | 10.00 | 1C100SF            | SF   | C-2  | 1/8 | 2 1/16  | 14.2 | 2C100SF            | SF   | A-2  | 13/16 | 2 1/16 | 19.4 |
| 10.90     | 10.50 | 1C105SF            | SF   | C-3  | 1/8 | 2 1/16  | 15.2 | 2C105SF            | SF   | A-3  | 13/16 | 2 1/16 | 20.6 |
| 11.40     | 11.00 | 1C110SF            | SF   | C-3  | 1/8 | 2 1/16  | 16.2 | 2C110SF            | SF   | A-3  | 13/16 | 2 1/16 | 22.0 |
| 12.40     | 12.00 | 1C120SF            | SF   | C-3  | 1/8 | 2 1/16  | 18.6 | 2C120SF            | SF   | D-3  | 9/16  | 2 1/16 | 24.2 |
| 13.40     | 13.00 | 1C130SF            | SF   | C-3  | 1/8 | 2 1/16  | 19.1 | 2C130SF            | SF   | D-3  | 9/16  | 2 1/16 | 27.8 |
| 14.40     | 14.00 | 1C140SF            | SF   | C-3  | 1/8 | 2 1/16  | 20.3 | 2C140SF            | SF   | D-3  | 9/16  | 2 1/16 | 30.1 |
| 15.40     | 15.00 | 1C150SF            | SF   | C-3  | 1/8 | 2 1/16  | 22.0 | 2C150SF            | SF   | D-3  | 9/16  | 2 1/16 | 32.0 |
| 16.40     | 16.00 | 1C160SF            | SF   | C-3  | 1/8 | 2 1/16  | 23.5 | 2C160SF            | SF   | D-3  | 9/16  | 2 1/16 | 34.9 |
| 18.40     | 18.00 | 1C180SF            | SF   | C-3  | 1/8 | 2 1/16  | 27.8 | 2C180SF            | SF   | D-3  | 9/16  | 2 1/16 | 40.9 |
| 20.40     | 20.00 | 1C200SF            | SF   | C-3  | 1/8 | 2 1/16  | 31.8 | 2C200SF            | SF   | D-3  | 9/16  | 2 1/16 | 42.1 |
| 24.40     | 24.00 | 1C240SF            | SF   | C-3  | 1/8 | 2 1/16  | 41.2 | 2C240SF            | SF   | D-3  | 9/16  | 2 1/16 | 56.7 |
| 27.40     | 27.00 |                    |      |      |     |         |      | 2C270F             | F    | F-3  | 1/8   | 3 3/4  | 79.4 |
| 30.40     | 30.00 |                    |      |      |     |         |      | 2C300F             | F    | F-3  | 1/8   | 3 3/4  | 82.4 |

**Note:** Cast iron sheaves may not exceed 6500 FPM.  
This speed **DOES NOT** specify if dynamic balancing  
(2 plane) is required. Contact customer service to  
verify whether dynamic balancing is required.

Cast Iron Sheaves - **Heavy Duty**  
Bushed, **Three and Four Groove**  
C QD Sheaves  
Order part number size  
Example: 3C50SD

**For C & CX V-Belts. See pages 109-112.**  
Order QD bushings separately.  
**Stock Bushings Located on Pages 84-85.**



| Diameters |       | 3 Groove F = 3 3/8 |          |      |        |         |       | 4 Groove F = 4 3/8 |          |      |        |         |       |
|-----------|-------|--------------------|----------|------|--------|---------|-------|--------------------|----------|------|--------|---------|-------|
| O.D.      | P.D.  | Part No.           | Bushing# | Type | K      | L       | WT.   | Part No.           | Bushing# | Type | K      | L       | WT.   |
| 5.40      | 5.00  | 3C50SD             | SD       | A-1  | 1 1/4  | 1 13/16 | 8.4   | 4C50SD             | SD       | A-1  | 1 1/4  | 1 13/16 | 10.2  |
| 5.40      | 5.00  | ^3C50SK            | SK       | A-1  | 0      | 1 15/16 | 8.4   | ^4C50SK            | SK       | A-1  | 0      | 1 15/16 | 10.2  |
| 5.80      | 5.40  | 3C54SD             | SD       | A-1  | 1 5/16 | 1 13/16 | 10.4  | 4C54SD             | SD       | A-1  | 1 5/16 | 1 13/16 | 11.8  |
| 5.90      | 5.50  | 3C55SD             | SD       | A-1  | 1 5/16 | 1 13/16 | 10.9  | 4C55SD             | SD       | A-1  | 1 5/16 | 1 13/16 | 13.5  |
| 5.90      | 5.50  |                    |          |      |        |         |       | ^4C55SK            | SK       | A-1  | 0      | 1 15/16 | 13.0  |
| 6.00      | 5.60  | 3C56SD             | SD       | A-1  | 1 5/16 | 1 13/16 | 11.2  | 4C56SD             | SD       | A-1  | 1 5/16 | 1 13/16 | 13.9  |
| 6.40      | 6.00  | 3C60SF             | SF       | A-1  | 7/8    | 2 1/16  | 10.1  | 4C60SF             | SF       | A-1  | 7/8    | 2 1/16  | 12.0  |
| 6.90      | 6.50  | *3C65SF            | SF       | A-1  | 0      | 2 1/16  | 10.8  | *4C65SF            | SF       | A-1  | 13/16  | 2 1/16  | 12.2  |
| 7.40      | 7.00  | 3C70SF             | SF       | A-1  | 1 5/16 | 2 1/16  | 15.9  | 4C70SF             | SF       | A-1  | 1 9/16 | 2 1/16  | 18.0  |
| 7.90      | 7.50  | 3C75SF             | SF       | A-1  | 1 5/16 | 2 1/16  | 18.0  | 4C75SF             | SF       | A-1  | 1 9/16 | 2 1/16  | 20.5  |
| 8.40      | 8.00  | 3C80E              | E        | B-1  | 1 3/4  | 2 3/4   | 20.9  | 4C80E              | E        | A-1  | 2      | 2 3/4   | 24.0  |
| 8.90      | 8.50  | 3C85E              | E        | B-1  | 1 3/4  | 2 3/4   | 24.5  | 4C85E              | E        | A-1  | 2      | 2 3/4   | 27.3  |
| 9.40      | 9.00  | 3C90E              | E        | B-1  | 1 3/4  | 2 3/4   | 27.1  | 4C90E              | E        | A-1  | 2      | 2 3/4   | 30.7  |
| 9.90      | 9.50  | 3C95E              | E        | B-1  | 1 3/4  | 2 3/4   | 29.1  | 4C95E              | E        | A-1  | 2      | 2 3/4   | 34.9  |
| 10.40     | 10.00 | 3C100E             | E        | B-2  | 1 3/4  | 2 3/4   | 30.1  | 4C100E             | E        | A-2  | 2      | 2 3/4   | 38.1  |
| 10.90     | 10.50 | 3C105E             | E        | B-2  | 1 3/4  | 2 3/4   | 30.8  | 4C105E             | E        | A-2  | 2      | 2 3/4   | 35.8  |
| 11.40     | 11.00 | 3C110E             | E        | B-3  | 1 3/4  | 2 3/4   | 32.9  | 4C110E             | E        | A-3  | 2      | 2 3/4   | 38.4  |
| 12.40     | 12.00 | 3C120E             | E        | B-3  | 1 3/4  | 2 3/4   | 38.4  | 4C120E             | E        | A-3  | 2      | 2 3/4   | 43.6  |
| 13.40     | 13.00 | 3C130E             | E        | B-3  | 1 3/4  | 2 3/4   | 42.4  | 4C130E             | E        | A-3  | 2      | 2 3/4   | 49.4  |
| 14.40     | 14.00 | 3C140E             | E        | B-3  | 1 3/4  | 2 3/4   | 41.7  | 4C140E             | E        | A-3  | 2      | 2 3/4   | 50.7  |
| 15.40     | 15.00 | 3C150E             | E        | B-3  | 1 3/4  | 2 3/4   | 45.0  | 4C150E             | E        | A-3  | 2      | 2 3/4   | 52.0  |
| 16.40     | 16.00 | 3C160E             | E        | B-3  | 1 3/4  | 2 3/4   | 49.8  | 4C160E             | E        | A-3  | 2      | 2 3/4   | 60.2  |
| 18.40     | 18.00 | 3C180E             | E        | B-3  | 1 3/4  | 2 3/4   | 58.6  | 4C180E             | E        | A-3  | 2      | 2 3/4   | 68.6  |
| 20.40     | 20.00 | 3C200E             | E        | A-3  | 1      | 2 3/4   | 62.6  | 4C200E             | E        | A-3  | 1 1/2  | 2 3/4   | 76.9  |
| 24.40     | 24.00 | 3C240E             | E        | A-3  | 1      | 2 3/4   | 78.7  | 4C240F             | F        | A-3  | 1 5/16 | 3 3/4   | 100.4 |
| 27.40     | 27.00 | 3C270F             | F        | C-3  | 7/8    | 3 3/4   | 103.0 | 4C270F             | F        | A-3  | 1 5/16 | 3 3/4   | 116.8 |
| 30.40     | 30.00 | 3C300F             | F        | C-3  | 7/8    | 3 3/4   | 115.4 | 4C300F             | F        | A-3  | 1 5/16 | 3 3/4   | 136.1 |
| 36.40     | 36.00 | 3C360F             | F        | C-3  | 7/8    | 3 3/4   | 161.7 | 4C360F             | F        | A-3  | 1 5/16 | 3 3/4   | 194.2 |
| 44.40     | 44.00 | 3C440F             | F        | C-3  | 13/16  | 3 3/4   | 242.8 | 4C440J             | J        | A-3  | 1 9/16 | 4 5/8   | 270.4 |
| 50.40     | 50.00 | 3C500F             | F        | C-3  | 13/16  | 3 3/4   | 275.0 | 4C500J             | J        | A-3  | 1 9/16 | 4 5/8   | 337.4 |

**Note:** Cast iron sheaves may not exceed 6500 FPM.

This speed **DOES NOT** specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

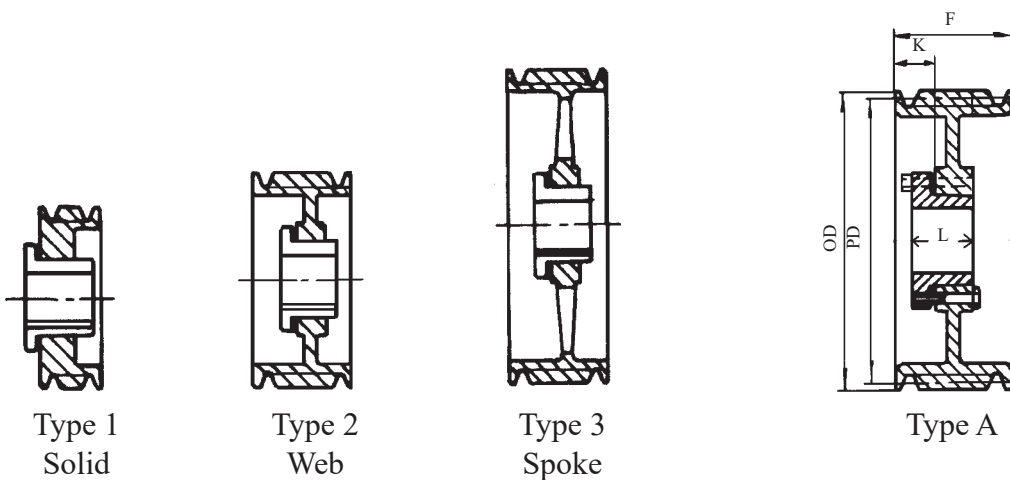
\* = Can only be mounted from one direction.

^ = Small O.D. sheaves used heavily in the oil industry. **25**  
Can only be mounted from one direction.

# QD Bushing Sheaves

Cast Iron Sheaves - **Heavy Duty**  
Bushed, **Five and Six Groove**  
C QD Sheaves  
Order part number size  
Example: 5C60SF

**For C & CX V-Belts. See pages 109-112.**  
Order QD bushings separately.  
**Stock Bushings Located on Pages 84-85.**



| Diameters |       | 5 Groove F = 5 3/8  |      |      |         |         |       | 6 Groove F = 6 3/8  |      |      |         |         |       |
|-----------|-------|---------------------|------|------|---------|---------|-------|---------------------|------|------|---------|---------|-------|
| O.D.      | P.D.  | Part No.            | Bush | Type | K       | L       | WT.   | Part No.            | Bush | Type | K       | L       | WT.   |
| 5.40      | 5.00  | <sup>^</sup> 5C50SK | SK   | A-1  | 7/8     | 1 15/16 | 10.0  | <sup>^</sup> 6C50SK | SK   | A-1  | 7/8     | 1 15/16 | 11.0  |
| 6.40      | 6.00  | 5C60SF              | SF   | A-1  | 7/8     | 2 1/16  | 12.5  | 6C60SF              | SF   | A-1  | 7/8     | 2 1/16  | 14.0  |
| 7.40      | 7.00  | 5C70SF              | SF   | A-1  | 1 15/16 | 2 1/16  | 20.8  | 6C70SF              | SF   | A-1  | 1 15/16 | 2 1/16  | 23.6  |
| 7.90      | 7.50  | 5C75SF              | SF   | A-1  | 1 15/16 | 2 1/16  | 23.6  | 6C75SF              | SF   | A-1  | 1 15/16 | 2 1/16  | 26.6  |
| 8.40      | 8.00  | 5C80E               | E    | A-1  | 2 3/8   | 2 3/4   | 27.3  | 6C80E               | E    | A-1  | 2 3/8   | 2 3/4   | 30.6  |
| 8.90      | 8.50  | 5C85E               | E    | A-1  | 2 3/8   | 2 3/4   | 30.8  | 6C85E               | E    | A-1  | 2 3/8   | 2 3/4   | 34.4  |
| 9.40      | 9.00  | 5C90E               | E    | A-1  | 2 3/8   | 2 3/4   | 34.5  | 6C90F               | F    | A-1  | 1 7/16  | 3 3/4   | 43.0  |
| 9.90      | 9.50  | 5C95E               | E    | A-1  | 2 3/8   | 2 3/4   | 39.1  | 6C95F               | F    | A-1  | 1 7/16  | 3 3/4   | 49.1  |
| 10.40     | 10.00 | 5C100E              | E    | A-2  | 2 3/8   | 2 3/4   | 42.4  | 6C100F              | F    | A-1  | 1 7/16  | 3 3/4   | 54.0  |
| 10.90     | 10.50 | 5C105E              | E    | A-2  | 2 3/8   | 2 3/4   | 40.4  | 6C105F              | F    | A-1  | 1 7/16  | 3 3/4   | 60.0  |
| 11.40     | 11.00 | 5C110E              | E    | A-3  | 2 3/8   | 2 3/4   | 43.1  | 6C110F              | F    | A-2  | 1 7/16  | 3 3/4   | 66.2  |
| 12.40     | 12.00 | 5C120E              | E    | A-3  | 2 3/8   | 2 3/4   | 48.8  | 6C120F              | F    | A-2  | 1 7/16  | 3 3/4   | 62.5  |
| 13.40     | 13.00 | 5C130E              | E    | A-3  | 2 3/8   | 2 3/4   | 55.1  | 6C130F              | F    | A-3  | 1 7/16  | 3 3/4   | 70.0  |
| 14.40     | 14.00 | 5C140E              | E    | A-3  | 2 3/8   | 2 3/4   | 57.2  | 6C140F              | F    | A-3  | 1 7/16  | 3 3/4   | 73.0  |
| 15.40     | 15.00 | 5C150E              | E    | A-3  | 2 3/8   | 2 3/4   | 68.2  | 6C150F              | F    | A-3  | 1 7/16  | 3 3/4   | 75.0  |
| 16.40     | 16.00 | 5C160E              | E    | A-3  | 2 3/8   | 2 3/4   | 71.2  | 6C160F              | F    | A-3  | 1 7/16  | 3 3/4   | 87.7  |
| 18.40     | 18.00 | 5C180E              | E    | A-3  | 2 3/8   | 2 3/4   | 79.1  | 6C180F              | F    | A-3  | 1 7/16  | 3 3/4   | 98.3  |
| 20.40     | 20.00 | 5C200F              | F    | A-3  | 1 5/16  | 3 3/4   | 96.5  | 6C200F              | F    | A-3  | 1 15/16 | 3 3/4   | 109.8 |
| 24.40     | 24.00 | 5C240F              | F    | A-3  | 1 5/16  | 3 3/4   | 106.7 | 6C240F              | F    | A-3  | 1 15/16 | 3 3/4   | 122.1 |
| 27.40     | 27.00 | 5C270F              | F    | A-3  | 1 5/16  | 3 3/4   | 129.2 | 6C270J              | J    | A-3  | 1 9/16  | 4 5/8   | 158.8 |
| 30.40     | 30.00 | 5C300F              | F    | A-3  | 1 5/16  | 3 3/4   | 160.8 | 6C300J              | J    | A-3  | 1 9/16  | 4 5/8   | 192.8 |
| 36.40     | 36.00 | 5C360J              | J    | A-3  | 1 9/16  | 4 5/8   | 220.3 | 6C360J              | J    | A-3  | 1 9/16  | 4 5/8   | 254.5 |
| 44.40     | 44.00 | 5C440J              | J    | A-3  | 1 9/16  | 4 5/8   | 293.2 | 6C440J              | J    | A-3  | 1 9/16  | 4 5/8   | 315.0 |
| 50.40     | 50.00 | 5C500J              | J    | A-3  | 1 9/16  | 4 5/8   | 275.0 | 6C500M              | M    | A-3  | 1 15/16 | 6 3/4   | 325.0 |

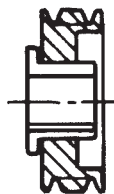
**Note:** Cast iron sheaves may not exceed 6500 FPM. This speed **DOES NOT** specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

<sup>^</sup> = Small O.D. sheaves used heavily in the oil industry.



Cast Iron Sheaves - **Heavy Duty**  
Bushed, **Seven and Eight Groove**  
C QD Sheaves  
Order part number size  
Example: 7C70SF

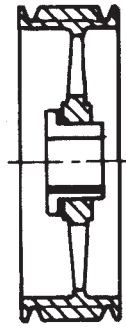
**For C & CX V-Belts. See pages 109-112.**  
Order QD bushings separately.  
**Stock Bushings Located on Pages 84-85.**



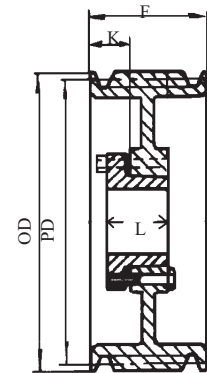
Type 1  
Solid



Type 2  
Web



Type 3  
Spoke



Type A

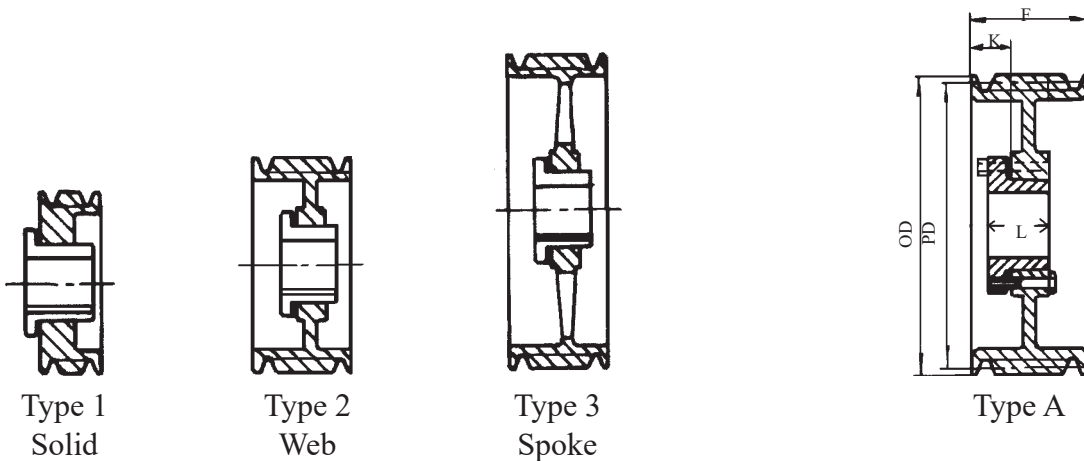
| Diameters |       | 7 Groove F = 7 3/8 |      |      |        |        |       | 8 Groove F = 8 3/8 |      |      |         |        |       |
|-----------|-------|--------------------|------|------|--------|--------|-------|--------------------|------|------|---------|--------|-------|
| O.D.      | P.D.  | Part No.           | Bush | Type | K      | L      | WT.   | Part No.           | Bush | Type | K       | L      | WT.   |
| 7.40      | 7.00  | 7C70SF             | SF   | A-1  | 3 1/8  | 2 1/16 | 26.2  | 8C70SF             | SF   | A-1  | 3 1/8   | 2 1/16 | 29.2  |
| 8.40      | 8.00  | 7C80E              | E    | A-1  | 3 1/4  | 2 3/4  | 34.3  | 8C80E              | E    | A-1  | 3 1/4   | 2 3/4  | 37.3  |
| 8.90      | 8.50  | 7C85E              | E    | A-1  | 3 1/4  | 2 3/4  | 38.5  | 8C85E              | E    | A-1  | 3 1/4   | 2 3/4  | 41.5  |
| 9.40      | 9.00  | 7C90F              | F    | A-1  | 3 5/16 | 3 3/4  | 47.5  | 8C90F              | F    | A-1  | 3 5/16  | 3 3/4  | 50.5  |
| 9.90      | 9.50  | 7C95F              | F    | A-1  | 3 5/16 | 3 3/4  | 54.6  | 8C95F              | F    | A-1  | 3 5/16  | 3 3/4  | 57.6  |
| 10.40     | 10.00 | 7C100F             | F    | A-1  | 3 5/16 | 3 3/4  | 59.6  | 8C100F             | F    | A-1  | 3 5/16  | 3 3/4  | 62.6  |
| 10.90     | 10.50 | 7C105F             | F    | A-1  | 3 5/16 | 3 3/4  | 66.0  | 8C105F             | F    | A-1  | 3 5/16  | 3 3/4  | 69.0  |
| 11.40     | 11.00 | 7C110F             | F    | A-1  | 3 5/16 | 3 3/4  | 72.6  | 8C110F             | F    | A-1  | 3 5/16  | 3 3/4  | 75.6  |
| 12.40     | 12.00 | 7C120F             | F    | A-2  | 3 5/16 | 3 3/4  | 69.9  | 8C120F             | F    | A-2  | 3 5/16  | 3 3/4  | 72.9  |
| 13.40     | 13.00 | 7C130F             | F    | A-2  | 3 5/16 | 3 3/4  | 78.3  | 8C130F             | F    | A-2  | 3 5/16  | 3 3/4  | 81.3  |
| 14.40     | 14.00 | 7C140F             | F    | A-2  | 3 5/16 | 3 3/4  | 85.0  | 8C140F             | F    | A-2  | 3 5/16  | 3 3/4  | 88.0  |
| 15.40     | 15.00 | 7C150F             | F    | A-2  | 3 5/16 | 3 3/4  | 103.0 | 8C150F             | F    | A-2  | 3 5/16  | 3 3/4  | 105.0 |
| 16.40     | 16.00 | 7C160F             | F    | A-3  | 3 5/16 | 3 3/4  | 107.0 | 8C160F             | F    | A-3  | 3 5/16  | 3 3/4  | 108.6 |
| 18.40     | 18.00 |                    |      |      |        |        |       | 8C180F             | F    | A-3  | 3 5/16  | 3 3/4  | 123.3 |
| 20.40     | 20.00 |                    |      |      |        |        |       | 8C200J             | J    | A-3  | 1 9/16  | 4 5/8  | 146.5 |
| 24.40     | 24.00 |                    |      |      |        |        |       | 8C240J             | J    | A-3  | 1 9/16  | 4 5/8  | 173.4 |
| 27.40     | 27.00 |                    |      |      |        |        |       | 8C270J             | J    | A-3  | 1 9/16  | 4 5/8  | 226.3 |
| 30.40     | 30.00 |                    |      |      |        |        |       | 8C300J             | J    | A-3  | 1 9/16  | 4 5/8  | 240.0 |
| 36.40     | 36.00 |                    |      |      |        |        |       | 8C360M             | M    | A-3  | 1 15/16 | 6 3/4  | 355.3 |
| 44.40     | 44.00 |                    |      |      |        |        |       | 8C440M             | M    | C-3  | 1 15/16 | 6 3/4  | 452.0 |
| 50.40     | 50.00 |                    |      |      |        |        |       | 8C500M             | M    | C-3  | 1 15/16 | 6 3/4  | 546.1 |

**Note:** Cast iron sheaves may not exceed 6500 FPM.  
This speed **DOES NOT** specify if dynamic balancing  
(2 plane) is required. Contact customer service to  
verify whether dynamic balancing is required.

# QD Bushing Sheaves

Cast Iron Sheaves - Heavy Duty  
Bushed, Ten Groove  
C QD Sheaves  
Order part number size  
Example: 10C80E

For C & CX V-Belts. See pages 109-112.  
Order QD bushings separately.  
Stock Bushings Located on Pages 84-85.



| Diameters |       | 10 Groove F = 10 3/8 |      |      |         |       |       |
|-----------|-------|----------------------|------|------|---------|-------|-------|
| O.D.      | P.D.  | Part No.             | Bush | Type | K       | L     | WT.   |
| 8.40      | 8.00  | 10C80E               | E    | A-1  | 3 1/4   | 2 3/4 | 43.9  |
| 8.90      | 8.50  | 10C85E               | E    | A-1  | 3 1/4   | 2 3/4 | 48.6  |
| 9.40      | 9.00  | +10C90J              | J    | A-1  | 3 9/16  | 4 5/8 | 59.6  |
| 9.90      | 9.50  | +10C95J              | J    | A-1  | 3 9/16  | 4 5/8 | 67.8  |
| 10.40     | 10.00 | 10C100J              | J    | A-1  | 3 9/16  | 4 5/8 | 74.1  |
| 10.90     | 10.50 | 10C105J              | J    | A-1  | 3 9/16  | 4 5/8 | 82.2  |
| 11.40     | 11.00 | 10C110J              | J    | A-1  | 3 9/16  | 4 5/8 | 90.6  |
| 12.40     | 12.00 | 10C120J              | J    | A-1  | 3 9/16  | 4 5/8 | 108.4 |
| 13.40     | 13.00 | 10C130J              | J    | A-2  | 3 9/16  | 4 5/8 | 136.0 |
| 14.40     | 14.00 | 10C140J              | J    | A-2  | 3 9/16  | 4 5/8 | 110.8 |
| 16.40     | 16.00 | 10C160J              | J    | A-3  | 3 9/16  | 4 5/8 | 141.3 |
| 18.40     | 18.00 | 10C180J              | J    | A-3  | 3 9/16  | 4 5/8 | 148.7 |
| 20.40     | 20.00 | 10C200J              | J    | A-3  | 3 9/16  | 4 5/8 | 169.7 |
| 24.40     | 24.00 | 10C240M              | M    | A-3  | 3 9/16  | 6 3/4 | 263.1 |
| 30.40     | 30.00 | 10C300M              | M    | A-3  | 1 15/16 | 6 3/4 | 332.1 |
| 36.40     | 36.00 | 10C360M              | M    | A-3  | 1 15/16 | 6 3/4 | 397.5 |
| 44.40     | 44.00 | 10C440M              | M    | A-3  | 1 15/16 | 6 3/4 | 531.8 |
| 50.40     | 50.00 | 10C500M              | M    | A-3  | 1 15/16 | 6 3/4 | 600.0 |

+ = Includes cap screws to be used in place of the ones that come with the bushing.

**Note:** Cast iron sheaves may not exceed 6500 FPM. This speed **DOES NOT** specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

Cast Iron Sheaves - Heavy Duty

Bushed, **One and Two Groove**

3V QD Sheaves

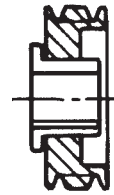
Order part number size

Example: 1/3V220JA

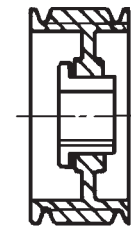
**For 3V & 3VX Belts. See pages 113-114.**

Order QD bushings separately.

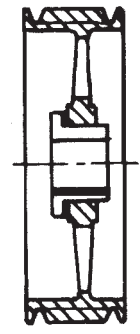
**Stock Bushings Located on Pages 84-85.**



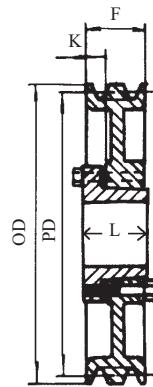
Type 1  
Solid



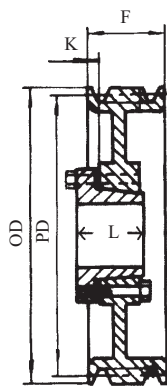
Type 2  
Web



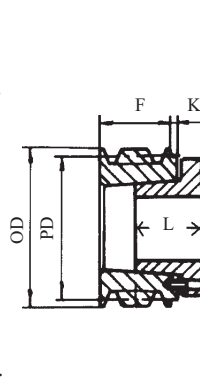
Type 3  
Spoke



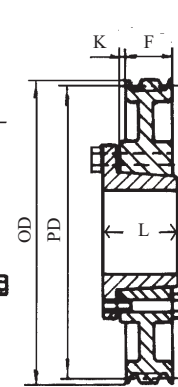
Type C



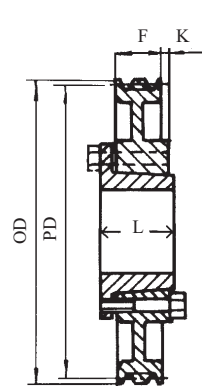
Type D



Type E



Type F



Type G

| Diameters |       | 1 Groove F = 11/16 1/3V 800SDS & 1/3V1060SDS F=3/4<br>1/3V1400 SK & 1/3V1900SK F=13/16 |      |      |      |         |      | 2 Groove F = 1 3/32 |      |      |      |         |      |
|-----------|-------|----------------------------------------------------------------------------------------|------|------|------|---------|------|---------------------|------|------|------|---------|------|
| O.D.      | P.D.  | Part No.                                                                               | Bush | Type | K    | L       | WT.  | Part No.            | Bush | Type | K    | L       | WT.  |
| 2.20      | 2.15  | *1/3V220JA                                                                             | JA   | E-1  | 7/16 | 1       | .7   | *2/3V220JA          | JA   | E-1  | 7/16 | 1       | .9   |
| 2.35      | 2.30  | *1/3V235JA                                                                             | JA   | E-1  | 7/16 | 1       | .7   | *2/3V235JA          | JA   | E-1  | 7/16 | 1       | .9   |
| 2.50      | 2.45  | *1/3V250JA                                                                             | JA   | E-1  | 7/16 | 1       | .8   | *2/3V250JA          | JA   | E-1  | 7/16 | 1       | 1.0  |
| 2.65      | 2.60  | *1/3V265JA                                                                             | JA   | C-1  | 1/8  | 1       | .6   | *2/3V265JA          | JA   | D-1  | 1/8  | 1       | .8   |
| 2.80      | 2.75  | 1/3V280JA                                                                              | JA   | C-1  | 1/8  | 1       | .6   | *2/3V280JA          | JA   | D-1  | 1/8  | 1       | 1.0  |
| 3.00      | 2.95  | 1/3V300JA                                                                              | JA   | C-1  | 1/8  | 1       | .8   | *2/3V300JA          | JA   | D-1  | 1/8  | 1       | 1.1  |
| 3.15      | 3.10  | 1/3V315JA                                                                              | JA   | C-1  | 1/8  | 1       | .9   | 2/3V315JA           | JA   | D-1  | 1/8  | 1       | 1.2  |
| 3.35      | 3.30  | 1/3V335JA                                                                              | JA   | C-1  | 1/8  | 1       | 1.1  | *2/3V335SH          | SH   | D-1  | 9/64 | 1 5/16  | 1.2  |
| 3.65      | 3.60  | 1/3V365SH                                                                              | SH   | G-1  | 1/8  | 1 5/16  | 1.3  | 2/3V365SH           | SH   | D-1  | 9/64 | 1 5/16  | 1.7  |
| 4.12      | 4.07  | 1/3V412SH                                                                              | SH   | G-1  | 1/8  | 1 5/16  | 1.8  | 2/3V412SH           | SH   | D-1  | 9/32 | 1 5/16  | 2.3  |
| 4.50      | 4.45  | 1/3V450SH                                                                              | SH   | G-1  | 1/8  | 1 5/16  | 2.2  | 2/3V450SH           | SH   | D-1  | 9/32 | 1 5/16  | 2.8  |
| 4.75      | 4.70  | 1/3V475SH                                                                              | SH   | G-1  | 1/8  | 1 5/16  | 2.1  | 2/3V475SH           | SH   | D-1  | 9/32 | 1 5/16  | 2.6  |
| 5.00      | 4.95  | 1/3V500SH                                                                              | SH   | G-1  | 1/8  | 1 5/16  | 2.3  | 2/3V500SH           | SH   | D-1  | 9/32 | 1 5/16  | 2.9  |
| 5.30      | 5.25  | 1/3V530SH                                                                              | SH   | G-2  | 1/8  | 1 5/16  | 3.0  | 2/3V530SH           | SH   | D-1  | 9/32 | 1 5/16  | 3.1  |
| 5.60      | 5.55  | 1/3V560SH                                                                              | SH   | G-2  | 1/8  | 1 5/16  | 2.8  | 2/3V560SH           | SH   | D-2  | 9/32 | 1 5/16  | 3.4  |
| 6.00      | 5.95  | 1/3V600SH                                                                              | SH   | G-2  | 1/8  | 1 5/16  | 3.7  | 2/3V600SH           | SH   | D-2  | 9/32 | 1 5/16  | 3.8  |
| 6.50      | 6.45  | 1/3V650SH                                                                              | SH   | G-2  | 1/8  | 1 5/16  | 3.4  | 2/3V650SDS          | SDS  | D-2  | 5/16 | 1 5/16  | 4.5  |
| 6.90      | 6.85  | 1/3V690SH                                                                              | SH   | G-3  | 1/8  | 1 5/16  | 4.1  | 2/3V690SDS          | SDS  | D-2  | 5/16 | 1 5/16  | 4.7  |
| 8.00      | 7.95  | 1/3V800SDS                                                                             | SDS  | G-3  | 0    | 1 5/16  | 4.8  | 2/3V800SDS          | SDS  | D-3  | 5/16 | 1 5/16  | 4.8  |
| 10.60     | 10.55 | 1/3V1060SDS                                                                            | SDS  | G-3  | 0    | 1 5/16  | 7.4  | 2/3V1060SK          | SK   | F-3  | 5/32 | 1 15/16 | 9.6  |
| 14.00     | 13.95 | 1/3V1400SK                                                                             | SK   | G-3  | 7/16 | 1 15/16 | 12.1 | 2/3V1400SK          | SK   | F-3  | 5/32 | 1 15/16 | 12.6 |
| 19.00     | 18.95 | 1/3V1900SK                                                                             | SK   | G-3  | 7/16 | 1 15/16 | 18.0 | 2/3V1900SK          | SK   | F-3  | 5/32 | 1 15/16 | 20.6 |
| 25.00     | 24.95 |                                                                                        |      |      |      |         |      | 2/3V2500SF          | SF   | E-3  | 1/4  | 2 1/16  | 31.5 |

**Note:** Cast iron sheaves may not exceed 6500 FPM.  
This speed **DOES NOT** specify if dynamic balancing  
(2 plane) is required. Contact customer service to  
verify whether dynamic balancing is required.

\* = Can only be mounted from one direction.

# QD Bushing Sheaves

Cast Iron Sheaves - **Heavy Duty**  
Bushed, **Three and Four Groove**  
3V QD Sheaves

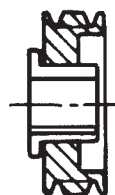
Order part number size

Example: 3/3V250JA

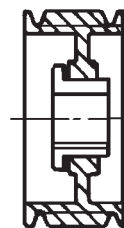
**For 3V & 3VX Belts. See pages 113-114.**

Order QD bushings separately.

**Stock Bushings Located on Pages 84-85.**



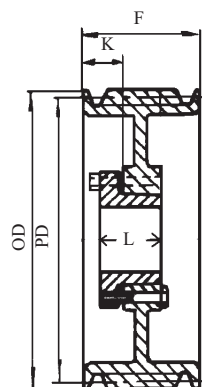
Type 1  
Solid



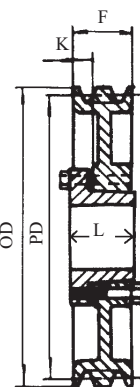
Type 2  
Web



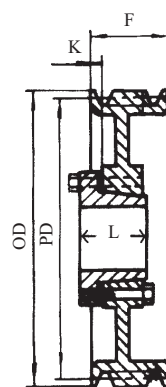
Type 3  
Spoke



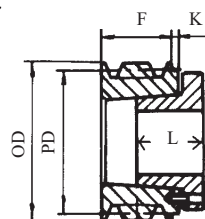
Type A



Type C



Type D



Type E

| Diameters |       | 3 Groove F = 1 1/2 |      |      |       |         |      | 4 Groove F = 1 29/32 |      |      |       |         |      |
|-----------|-------|--------------------|------|------|-------|---------|------|----------------------|------|------|-------|---------|------|
| O.D.      | P.D.  | Part No.           | Bush | Type | K     | L       | WT.  | Part No.             | Bush | Type | K     | L       | WT.  |
| 2.50      | 2.45  | *3/3V250JA         | JA   | E-1  | 7/16  | 1       | 1.2  |                      |      |      |       |         |      |
| 2.65      | 2.60  | *3/3V265JA         | JA   | D-1  | 1/8   | 1       | 1.1  | *4/3V265JA           | JA   | D-1  | 0     | 1       | 1.4  |
| 2.80      | 2.75  | *3/3V280JA         | JA   | D-1  | 1/8   | 1       | 1.3  | *4/3V280JA           | JA   | D-1  | 0     | 1       | 1.7  |
| 3.00      | 2.95  | *+3/3V300SH        | SH   | E-1  | 5/16  | 1 5/16  | 1.7  | *+4/3V300SH          | SH   | E-1  | 0     | 1 5/16  | 2.0  |
| 3.15      | 3.10  | *+3/3V315SH        | SH   | E-1  | 5/16  | 1 5/16  | 1.8  | *+4/3V315SH          | SH   | E-1  | 0     | 1 5/16  | 2.0  |
| 3.35      | 3.30  | *3/3V335SH         | SH   | D-1  | 1/8   | 1 5/16  | 1.6  | *4/3V335SH           | SH   | D-1  | 1/8   | 1 5/16  | 1.9  |
| 3.65      | 3.60  | *3/3V365SH         | SH   | D-1  | 1/8   | 1 5/16  | 2.0  | *4/3V365SH           | SH   | D-1  | 1/8   | 1 5/16  | 2.3  |
| 4.12      | 4.07  | 3/3V412SH          | SH   | A-1  | 11/16 | 1 5/16  | 2.7  | 4/3V412SH            | SH   | A-1  | 13/16 | 1 5/16  | 3.1  |
| 4.50      | 4.45  | 3/3V450SDS         | SDS  | A-1  | 11/16 | 1 5/16  | 3.1  | 4/3V450SDS           | SDS  | A-1  | 13/16 | 1 5/16  | 3.5  |
| 4.75      | 4.70  | 3/3V475SDS         | SDS  | A-1  | 11/16 | 1 5/16  | 3.6  | 4/3V475SDS           | SDS  | A-1  | 13/16 | 1 5/16  | 3.7  |
| 5.00      | 4.95  | 3/3V500SDS         | SDS  | A-1  | 11/16 | 1 5/16  | 4.0  | 4/3V500SDS           | SDS  | A-1  | 13/16 | 1 5/16  | 4.3  |
| 5.30      | 5.25  | 3/3V530SDS         | SDS  | A-1  | 11/16 | 1 5/16  | 3.9  | 4/3V530SDS           | SDS  | A-1  | 13/16 | 1 5/16  | 5.0  |
| 5.60      | 5.55  | 3/3V560SDS         | SDS  | A-1  | 11/16 | 1 5/16  | 4.4  | 4/3V560SDS           | SDS  | A-1  | 13/16 | 1 5/16  | 5.5  |
| 6.00      | 5.95  | 3/3V600SDS         | SDS  | A-2  | 11/16 | 1 5/16  | 4.9  | 4/3V600SK            | SK   | D-1  | 5/8   | 1 15/16 | 7.0  |
| 6.50      | 6.45  | 3/3V650SDS         | SDS  | A-2  | 11/16 | 1 5/16  | 5.8  | 4/3V650SK            | SK   | D-2  | 5/8   | 1 15/16 | 7.3  |
| 6.90      | 6.85  | 3/3V690SDS         | SDS  | A-2  | 11/16 | 1 5/16  | 5.9  | 4/3V690SK            | SK   | D-2  | 5/8   | 1 15/16 | 8.2  |
| 8.00      | 7.95  | 3/3V800SK          | SK   | C-3  | 1/4   | 1 15/16 | 8.2  | 4/3V800SK            | SK   | D-3  | 5/8   | 1 15/16 | 9.4  |
| 10.60     | 10.55 | 3/3V1060SK         | SK   | C-3  | 1/4   | 1 15/16 | 12.0 | 4/3V1060SK           | SK   | D-3  | 5/8   | 1 15/16 | 13.4 |
| 14.00     | 13.95 | 3/3V1400SK         | SK   | C-3  | 1/4   | 1 15/16 | 14.8 | 4/3V1400SK           | SK   | D-3  | 5/8   | 1 15/16 | 18.3 |
| 19.00     | 18.95 | 3/3V1900SF         | SF   | C-3  | 1/4   | 2 1/16  | 26.0 | 4/3V1900SF           | SF   | C-3  | 21/32 | 2 1/16  | 29.7 |
| 25.00     | 24.95 | 3/3V2500SF         | SF   | C-3  | 1/4   | 2 1/16  | 42.0 | 4/3V2500SF           | SF   | C-3  | 21/32 | 2 1/16  | 44.0 |
| 33.50     | 33.45 | 3/3V3350SF         | SF   | C-3  | 1/4   | 2 1/16  | 70.8 | 4/3V3350E            | E    | C-3  | 9/32  | 2 3/4   | 78.0 |

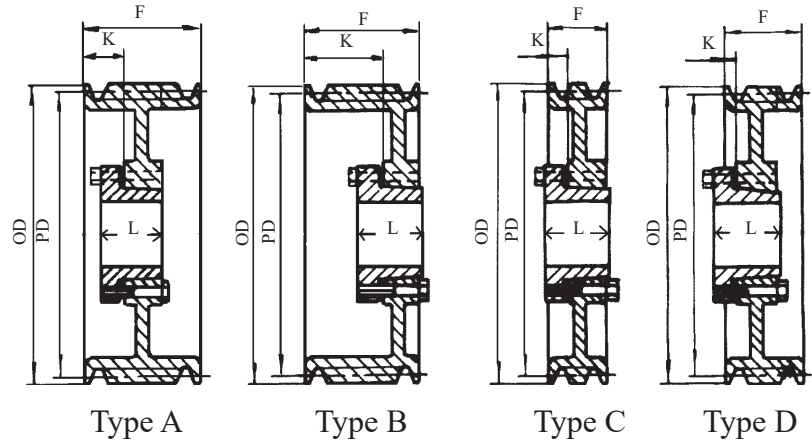
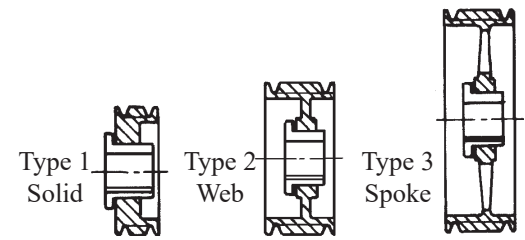
\* = Can only be mounted from one direction.

+ = Includes cap screws to be used in place of the ones that come with the bushing.

**Note:** Cast iron sheaves may not exceed 6500 FPM. This speed **DOES NOT** specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

Cast Iron Sheaves - Heavy Duty  
Bushed, Five, Six, Seven and Eight Groove  
Order part number size  
Example: 5/3V475SDS

For 3V & 3VX Belts. See pages 113-114.  
Order QD bushings separately.  
Stock Bushings Located on Pages 84-85.



| Diameters |       | 5 Groove F = 2 5/16 |      |      |        |         |      | 6 Groove F = 2 23/32 |      |      |        |         |       |
|-----------|-------|---------------------|------|------|--------|---------|------|----------------------|------|------|--------|---------|-------|
| O.D.      | P.D.  | Part No.            | Bush | Type | K      | L       | WT.  | Part No.             | Bush | Type | K      | L       | WT.   |
| 4.75      | 4.70  | 5/3V475SDS          | SDS  | A-1  | 13/16  | 1 15/16 | 4.3  | *6/3V475SK           | SK   | D-1  | 0      | 1 15/16 | 5.0   |
| 5.00      | 4.95  | 5/3V500SDS          | SDS  | A-1  | 13/16  | 1 15/16 | 4.8  | 6/3V500SK            | SK   | D-1  | 0      | 1 15/16 | 5.7   |
| 5.30      | 5.25  | 5/3V530SK           | SK   | A-1  | 15/16  | 1 15/16 | 5.9  | 6/3V530SK            | SK   | A-1  | 1 5/16 | 1 15/16 | 6.7   |
| 5.60      | 5.55  | 5/3V560SK           | SK   | A-1  | 15/16  | 1 15/16 | 6.8  | 6/3V560SK            | SK   | A-1  | 1 5/16 | 1 15/16 | 7.5   |
| 6.00      | 5.95  | 5/3V600SK           | SK   | A-1  | 15/16  | 1 15/16 | 8.0  | 6/3V600SK            | SK   | A-1  | 1 5/16 | 1 15/16 | 8.8   |
| 6.50      | 6.45  | 5/3V650SK           | SK   | A-1  | 15/16  | 1 15/16 | 8.1  | 6/3V650SK            | SK   | A-1  | 1 5/16 | 1 15/16 | 9.3   |
| 6.90      | 6.85  | 5/3V690SK           | SK   | A-2  | 15/16  | 1 15/16 | 9.2  | 6/3V690SK            | SK   | A-2  | 1 5/16 | 1 15/16 | 10.0  |
| 8.00      | 7.95  | 5/3V800SK           | SK   | A-2  | 15/16  | 1 15/16 | 10.8 | 6/3V800SK            | SK   | A-2  | 1 5/16 | 1 15/16 | 11.7  |
| 10.60     | 10.55 | 5/3V1060SK          | SK   | A-2  | 15/16  | 1 15/16 | 15.3 | 6/3V1060SF           | SF   | A-2  | 7/8    | 2 1/16  | 19.1  |
| 14.00     | 13.95 | 5/3V1400SF          | SF   | A-3  | 7/8    | 2 1/16  | 23.4 | 6/3V1400SF           | SF   | A-3  | 7/8    | 2 1/16  | 24.2  |
| 19.00     | 18.95 | 5/3V1900SF          | SF   | A-3  | 7/8    | 2 1/16  | 37.6 | 6/3V1900E            | E    | B-3  | 1 3/32 | 2 3/4   | 39.5  |
| 25.00     | 24.95 | 5/3V2500E           | E    | C-3  | 11/16  | 2 3/4   | 53.0 | 6/3V2500E            | E    | B-3  | 1 3/32 | 2 3/4   | 65.7  |
| 33.50     | 33.45 | 5/3V3350E           | E    | C-3  | 11/16  | 2 3/4   | 87.0 | 6/3V3350E            | E    | B-3  | 1 3/32 | 2 3/4   | 80.0  |
| Diameters |       | 7 Groove F = 3 1/8  |      |      |        |         |      | 8 Groove F = 3 17/32 |      |      |        |         |       |
| O.D.      | P.D.  | Part No.            | Bush | Type | K      | L       | WT.  | Part No.             | Bush | Type | K      | L       | WT.   |
| 4.75      | 4.70  | *7/3V475SK          | SK   | D-1  | 1/8    | 1 15/16 | 3.8  | *8/3V475SK           | SK   | D-1  | 1/8    | 1 15/16 | 5.8   |
| 5.00      | 4.95  | *7/3V500SK          | SK   | D-1  | 1/8    | 1 15/16 | 4.8  | *8/3V500SK           | SK   | D-1  | 1/8    | 1 15/16 | 6.8   |
| 5.30      | 5.25  | 7/3V530SK           | SK   | A-1  | 1 5/16 | 1 15/16 | 5.6  | 8/3V530SK            | SK   | A-1  | 1 5/16 | 1 15/16 | 7.6   |
| 5.60      | 5.55  | 7/3V560SK           | SK   | A-1  | 1 5/16 | 1 15/16 | 6.7  | 8/3V560SK            | SK   | A-1  | 1 5/16 | 1 15/16 | 8.7   |
| 6.00      | 5.95  | 7/3V600SK           | SK   | A-1  | 1 5/16 | 1 15/16 | 8.3  | 8/3V600SK            | SK   | A-1  | 1 5/16 | 1 15/16 | 10.3  |
| 6.50      | 6.45  | 7/3V650SK           | SK   | A-1  | 1 5/16 | 1 15/16 | 8.7  | 8/3V650SK            | SK   | A-1  | 1 5/16 | 1 15/16 | 10.7  |
| 6.90      | 6.85  | 7/3V690SK           | SK   | A-2  | 1 5/16 | 1 15/16 | 9.8  | 8/3V690SK            | SK   | A-2  | 1 5/16 | 1 15/16 | 11.8  |
| 8.00      | 7.95  | 7/3V800SF           | SF   | A-2  | 1 1/8  | 2 1/16  | 13.5 | 8/3V800SF            | SF   | A-2  | 1 1/8  | 2 1/16  | 15.5  |
| 10.60     | 10.55 | 7/3V1060SF          | SF   | A-2  | 1 1/8  | 2 1/16  | 18.9 | 8/3V1060SF           | SF   | A-2  | 1 1/8  | 2 1/16  | 21.9  |
| 14.00     | 13.95 | 7/3V1400E           | E    | A-3  | 1 1/4  | 2 3/4   | 31.4 | 8/3V1400E            | E    | A-3  | 1 1/4  | 2 3/4   | 33.4  |
| 19.00     | 18.95 |                     |      |      |        |         |      | 8/3V1900E            | E    | A-3  | 1 1/4  | 2 3/4   | 47.2  |
| 25.00     | 24.95 |                     |      |      |        |         |      | 8/3V2500E            | E    | A-3  | 1 1/4  | 2 3/4   | 67.8  |
| 33.50     | 33.45 |                     |      |      |        |         |      | 8/3V3350F            | F    | B-3  | 1 1/32 | 3 3/4   | 112.0 |

**Note:** Cast iron sheaves may not exceed 6500 FPM. \* = Can only be mounted from one direction.  
This speed **DOES NOT** specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.



# QD Bushing Sheaves

Cast Iron Sheaves - **Heavy Duty**

Bushed, **Ten Groove**

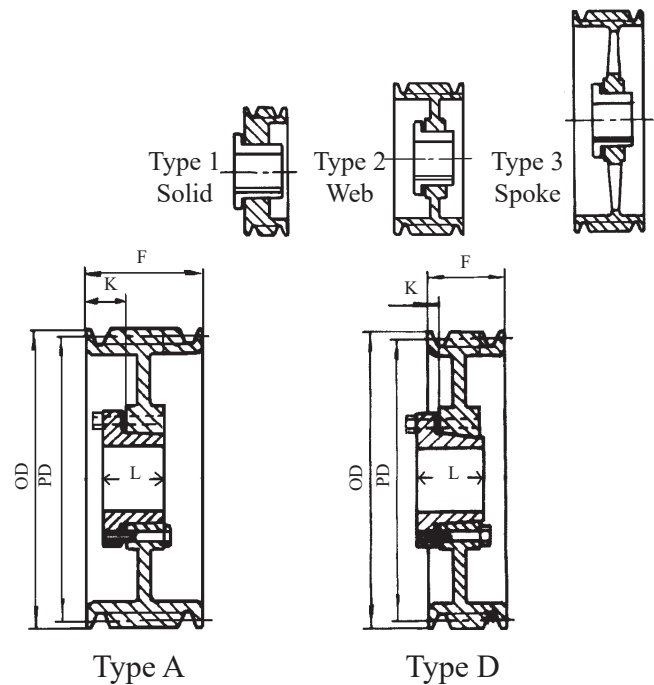
Order part number size

Example: 10/3V475SK

**For 3V & 3VX Belts. See pages 113-114.**

Order QD bushings separately.

**Stock Bushings Located on Pages 84-85.**



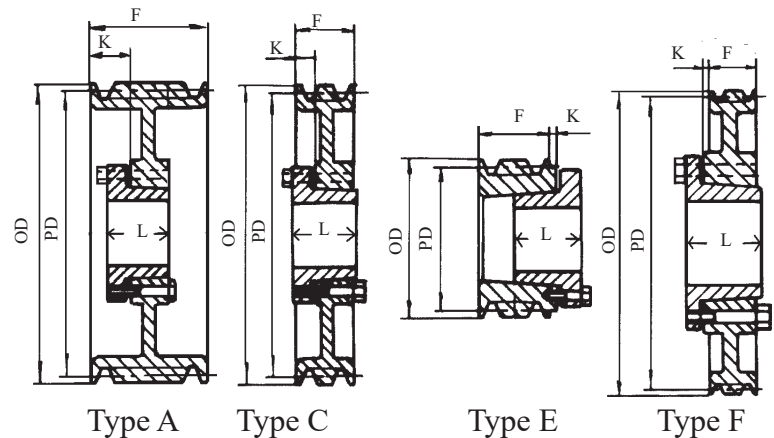
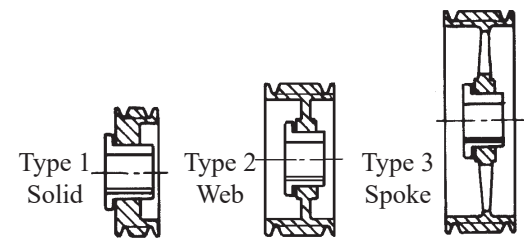
| Diameters |       | 10 Groove F = 4 11/32 |      |      |        |         |       |
|-----------|-------|-----------------------|------|------|--------|---------|-------|
| O.D.      | P.D.  | Part No.              | Bush | Type | K      | L       | WT.   |
| 4.75      | 4.70  | *10/3V475SK           | SK   | D-1  | 1/8    | 1 15/16 | 6.9   |
| 5.00      | 4.95  | *10/3V500SK           | SK   | D-1  | 1/8    | 1 15/16 | 8.1   |
| 5.30      | 5.25  | 10/3V530SK            | SK   | A-1  | 1 7/16 | 1 15/16 | 8.8   |
| 5.60      | 5.55  | 10/3V560SK            | SK   | A-1  | 1 7/16 | 1 15/16 | 10.1  |
| 6.00      | 5.95  | 10/3V600SK            | SK   | A-1  | 1 7/16 | 1 15/16 | 13.8  |
| 6.50      | 6.45  | 10/3V650SK            | SK   | A-1  | 1 7/16 | 1 15/16 | 13.7  |
| 6.90      | 6.85  | 10/3V690SK            | SK   | A-2  | 1 7/16 | 1 15/16 | 14.1  |
| 8.00      | 7.95  | 10/3V800SF            | SF   | A-2  | 1 1/2  | 2 1/16  | 18.1  |
| 10.60     | 10.55 | 10/3V1060E            | E    | A-3  | 1 1/4  | 2 3/4   | 29.2  |
| 14.00     | 13.95 | 10/3V1400E            | E    | A-3  | 1 1/4  | 2 3/4   | 37.0  |
| 19.00     | 18.95 | 10/3V1900E            | E    | A-3  | 1 1/4  | 2 3/4   | 54.0  |
| 25.00     | 24.95 | 10/3V2500F            | F    | A-3  | 1 5/16 | 3 3/4   | 90.0  |
| 33.50     | 33.45 | 10/3V3350F            | F    | A-3  | 1 5/16 | 3 3/4   | 178.0 |

\* = Can only be mounted from one direction.

**Note:** Cast iron sheaves may not exceed 6500 FPM.  
This speed **DOES NOT** specify if dynamic balancing  
(2 plane) is required. Contact customer service to  
verify whether dynamic balancing is required.

Cast Iron Sheaves - Heavy Duty  
Bushed, Two and Three Groove  
5V QD Sheaves  
Order part number size  
Example: 2/5V440SH

For 5V & 5VX Belts  
See pages 113, 115 & 116.  
Order QD bushings separately.  
Stock Bushings Located on Pages 84-85.



| Diameters |       | 2 Groove F = 1 11/16 |      |      |       |         |      | 3 Groove F = 2 3/8 |      |      |        |         |       |
|-----------|-------|----------------------|------|------|-------|---------|------|--------------------|------|------|--------|---------|-------|
| O.D.      | P.D.  | Part No.             | Bush | Type | K     | L       | WT.  | Part No.           | Bush | Type | K      | L       | WT.   |
| 4.40      | 4.30  | *2/5V440SH           | SH   | A-1  | 11/16 | 1 5/16  | 3.3  | *3/5V440SDS        | SDS  | E-1  | 0      | 1 5/16  | 4.2   |
| 4.65      | 4.55  | *2/5V465SDS          | SDS  | E-1  | 3/16  | 1 5/16  | 3.7  | *3/5V465SDS        | SDS  | E-1  | 0      | 1 5/16  | 4.7   |
| 4.90      | 4.80  | 2/5V490SDS           | SDS  | A-1  | 11/16 | 1 5/16  | 3.9  | 3/5V490SDS         | SDS  | A-1  | 1 1/16 | 1 5/16  | 4.8   |
| 5.20      | 5.10  | 2/5V520SDS           | SDS  | A-1  | 11/16 | 1 5/16  | 4.6  | 3/5V520SDS         | SDS  | A-1  | 1 1/16 | 1 5/16  | 5.9   |
| 5.50      | 5.40  | 2/5V550SDS           | SDS  | A-1  | 11/16 | 1 5/16  | 5.1  | 3/5V550SDS         | SDS  | A-1  | 1 1/16 | 1 5/16  | 6.6   |
| 5.90      | 5.80  | 2/5V590SDS           | SDS  | A-1  | 11/16 | 1 5/16  | 5.6  | 3/5V590SDS         | SDS  | A-1  | 1 1/16 | 1 5/16  | 7.5   |
| 6.30      | 6.20  | 2/5V630SK            | SK   | C-1  | 7/16  | 1 15/16 | 7.4  | 3/5V630SK          | SK   | A-1  | 1 1/16 | 1 15/16 | 9.3   |
| 6.70      | 6.60  | 2/5V670SK            | SK   | C-1  | 7/16  | 1 15/16 | 7.5  | 3/5V670SK          | SK   | A-1  | 1 1/8  | 1 15/16 | 10.8  |
| 7.10      | 7.00  | 2/5V710SK            | SK   | C-1  | 7/16  | 1 15/16 | 7.9  | 3/5V710SF          | SF   | A-1  | 1 1/8  | 2 1/16  | 11.4  |
| 7.50      | 7.40  | 2/5V750SK            | SK   | C-1  | 7/16  | 1 15/16 | 8.7  | 3/5V750SF          | SF   | A-1  | 1 1/8  | 2 1/16  | 12.5  |
| 8.00      | 7.90  | 2/5V800SK            | SK   | C-2  | 7/16  | 1 15/16 | 10.0 | 3/5V800SF          | SF   | A-1  | 1 1/8  | 2 1/16  | 12.7  |
| 8.50      | 8.40  | 2/5V850SK            | SK   | C-2  | 7/16  | 1 15/16 | 10.8 | 3/5V850SF          | SF   | A-2  | 1 1/8  | 2 1/16  | 14.5  |
| 9.00      | 8.90  | 2/5V900SK            | SK   | C-2  | 7/16  | 1 15/16 | 11.4 | 3/5V900SF          | SF   | A-2  | 1 1/8  | 2 1/16  | 15.6  |
| 9.25      | 9.15  | 2/5V925SK            | SK   | C-2  | 7/16  | 1 15/16 | 12.0 | 3/5V925SF          | SF   | A-2  | 1 1/8  | 2 1/16  | 21.7  |
| 9.75      | 9.65  | 2/5V975SK            | SK   | C-2  | 7/16  | 1 15/16 | 12.6 | 3/5V975SF          | SF   | A-2  | 1 1/8  | 2 1/16  | 17.0  |
| 10.30     | 10.20 | 2/5V1030SK           | SK   | C-2  | 7/16  | 1 15/16 | 14.5 | 3/5V1030SF         | SF   | A-2  | 1 1/8  | 2 1/16  | 18.2  |
| 10.90     | 10.80 | 2/5V1090SK           | SK   | C-2  | 7/16  | 1 15/16 | 15.5 | 3/5V1090SF         | SF   | A-2  | 1 1/8  | 2 1/16  | 19.4  |
| 11.30     | 11.20 | 2/5V1130SK           | SK   | C-3  | 7/16  | 1 15/16 | 14.3 | 3/5V1130SF         | SF   | A-2  | 1 1/8  | 2 1/16  | 20.0  |
| 11.80     | 11.70 | 2/5V1180SK           | SK   | C-3  | 7/16  | 1 15/16 | 17.1 | 3/5V1180SF         | SF   | A-2  | 1 1/8  | 2 1/16  | 21.2  |
| 12.50     | 12.40 | 2/5V1250SF           | SF   | C-3  | 7/16  | 2 1/16  | 18.8 | 3/5V1250E          | E    | C-2  | 3/4    | 2 3/4   | 28.3  |
| 13.20     | 13.10 | 2/5V1320SF           | SF   | C-3  | 7/16  | 2 1/16  | 19.8 | 3/5V1320E          | E    | C-3  | 3/4    | 2 3/4   | 30.0  |
| 14.00     | 13.90 | 2/5V1400SF           | SF   | C-3  | 7/16  | 2 1/16  | 22.3 | 3/5V1400E          | E    | C-3  | 3/4    | 2 3/4   | 31.1  |
| 15.00     | 14.90 | 2/5V1500SF           | SF   | C-3  | 7/16  | 2 1/16  | 23.9 | 3/5V1500E          | E    | C-3  | 3/4    | 2 3/4   | 32.5  |
| 16.00     | 15.90 | 2/5V1600SF           | SF   | C-3  | 7/16  | 2 1/16  | 26.0 | 3/5V1600E          | E    | C-3  | 3/4    | 2 3/4   | 35.6  |
| 18.70     | 18.60 | 2/5V1870SF           | SF   | C-3  | 7/16  | 2 1/16  | 32.6 | 3/5V1870E          | E    | C-3  | 3/4    | 2 3/4   | 42.8  |
| 21.20     | 21.10 | 2/5V2120SF           | SF   | C-3  | 7/16  | 2 1/16  | 38.0 | 3/5V2120E          | E    | C-3  | 3/4    | 2 3/4   | 49.4  |
| 23.60     | 23.50 | 2/5V2360E            | E    | C-3  | 1/16  | 2 3/4   | 46.0 | 3/5V2360E          | E    | C-3  | 3/4    | 2 3/4   | 56.4  |
| 28.00     | 27.90 | 2/5V2800E            | E    | C-3  | 1/16  | 2 3/4   | 71.0 | 3/5V2800E          | E    | C-3  | 3/4    | 2 3/4   | 70.0  |
| 31.50     | 31.40 |                      |      |      |       |         |      | 3/5V3150F          | F    | F-3  | 1/8    | 3 3/4   | 95.0  |
| 37.50     | 37.40 |                      |      |      |       |         |      | 3/5V3750F          | F    | F-3  | 1/8    | 3 3/4   | 151.5 |
| 50.00     | 49.90 |                      |      |      |       |         |      | 3/5V5000F          | F    | F-3  | 1/8    | 3 3/4   | 185.0 |

\* = Can only be mounted from one direction.

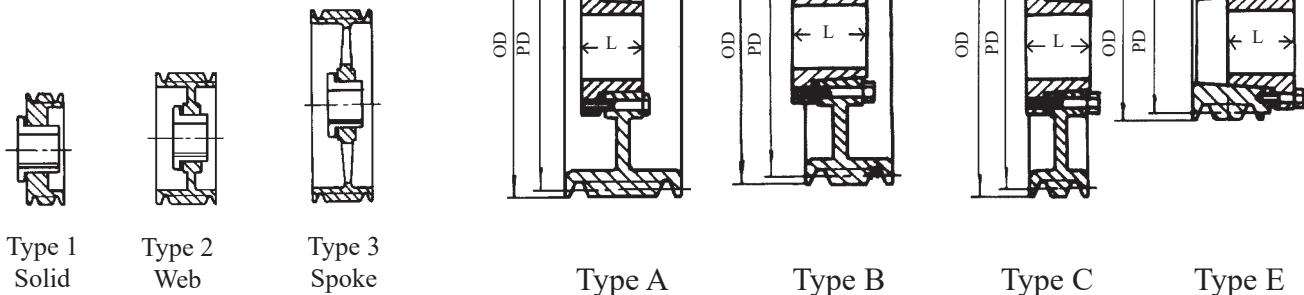
**Note:** Cast iron sheaves may not exceed 6500 FPM.  
This speed **DOES NOT** specify if dynamic balancing  
(2 plane) is required. Contact customer service to  
verify whether dynamic balancing is required.

# QD Bushing Sheaves

Cast Iron Sheaves - **Heavy Duty**  
Bushed, **Four and Five Groove**  
5V QD Sheaves

Order part number size  
Example: 4/5V440SD

**For 5V & 5VX Belts**  
**See pages 113, 115 & 116.**  
Order QD bushings separately.  
**Stock Bushings Located on Pages 84-85.**



| Diameters |       | 4 Groove F = 3 1/16 |      |      |        |         |       | 5 Groove F = 3 3/4 |      |      |        |         |       |
|-----------|-------|---------------------|------|------|--------|---------|-------|--------------------|------|------|--------|---------|-------|
| O.D.      | P.D.  | Part No.            | Bush | Type | K      | L       | WT.   | Part No.           | Bush | Type | K      | L       | WT.   |
| 4.40      | 4.30  | *4/5V440SD          | SD   | E-1  | 0      | 1 13/16 | 5.4   | *5/5V440SD         | SD   | E-1  | 0      | 1 13/16 | 6.4   |
| 4.65      | 4.55  | *4/5V465SD          | SD   | E-1  | 0      | 1 13/16 | 6.3   | *5/5V465SD         | SD   | E-1  | 0      | 1 13/16 | 7.2   |
| 4.90      | 4.80  | 4/5V490SD           | SD   | A-1  | 1 5/16 | 1 13/16 | 6.8   | 5/5V490SD          | SD   | A-1  | 1 5/16 | 1 13/16 | 7.8   |
| 5.20      | 5.10  | 4/5V520SD           | SD   | A-1  | 1 5/16 | 1 13/16 | 7.7   | 5/5V520SD          | SD   | A-1  | 1 5/16 | 1 13/16 | 9.0   |
| 5.50      | 5.40  | 4/5V550SD           | SD   | A-1  | 1 5/16 | 1 13/16 | 8.9   | 5/5V550SD          | SD   | A-1  | 1 5/16 | 1 13/16 | 10.2  |
| 5.90      | 5.80  | 4/5V590SD           | SD   | A-1  | 1 5/16 | 1 13/16 | 10.2  | 5/5V590SK          | SK   | A-1  | 1 5/16 | 1 15/16 | 10.8  |
| 6.30      | 6.20  | 4/5V630SK           | SK   | A-1  | 1 5/16 | 1 15/16 | 10.8  | 5/5V630SK          | SK   | A-1  | 1 5/16 | 1 15/16 | 12.3  |
| 6.70      | 6.60  | 4/5V670SK           | SK   | A-1  | 1 5/16 | 1 15/16 | 12.4  | 5/5V670SF          | SF   | A-1  | 1 3/8  | 2 1/16  | 13.4  |
| 7.10      | 7.00  | 4/5V710SF           | SF   | A-1  | 1 1/16 | 2 1/16  | 13.4  | 5/5V710SF          | SF   | A-1  | 1 3/8  | 2 1/16  | 15.2  |
| 7.50      | 7.40  | 4/5V750SF           | SF   | A-1  | 1 1/16 | 2 1/16  | 15.1  | 5/5V750SF          | SF   | A-1  | 1 3/8  | 2 1/16  | 16.9  |
| 8.00      | 7.90  | 4/5V800E            | E    | B-1  | 1 7/16 | 2 3/4   | 18.0  | 5/5V800E           | E    | A-1  | 1 3/4  | 2 3/4   | 19.7  |
| 8.50      | 8.40  | 4/5V850E            | E    | B-1  | 1 7/16 | 2 3/4   | 20.1  | 5/5V850E           | E    | A-1  | 1 3/4  | 2 3/4   | 23.1  |
| 9.00      | 8.90  | 4/5V900E            | E    | B-1  | 1 7/16 | 2 3/4   | 22.3  | 5/5V900E           | E    | A-1  | 1 3/4  | 2 3/4   | 26.4  |
| 9.25      | 9.15  | 4/5V925E            | E    | B-1  | 1 7/16 | 2 3/4   | 23.9  | 5/5V925E           | E    | A-1  | 1 3/4  | 2 3/4   | 28.3  |
| 9.75      | 9.65  | 4/5V975E            | E    | B-2  | 1 7/16 | 2 3/4   | 23.3  | 5/5V975E           | E    | A-2  | 1 3/4  | 2 3/4   | 26.2  |
| 10.30     | 10.20 | 4/5V1030E           | E    | B-2  | 1 7/16 | 2 3/4   | 25.5  | 5/5V1030E          | E    | A-2  | 1 3/4  | 2 3/4   | 28.5  |
| 10.90     | 10.80 | 4/5V1090E           | E    | B-2  | 1 7/16 | 2 3/4   | 28.0  | 5/5V1090E          | E    | A-2  | 1 3/4  | 2 3/4   | 30.7  |
| 11.30     | 11.20 | 4/5V1130E           | E    | B-2  | 1 7/16 | 2 3/4   | 28.5  | 5/5V1130E          | E    | A-2  | 1 3/4  | 2 3/4   | 32.3  |
| 11.80     | 11.70 | 4/5V1180E           | E    | B-2  | 1 7/16 | 2 3/4   | 29.9  | 5/5V1180E          | E    | A-2  | 1 3/4  | 2 3/4   | 33.5  |
| 12.50     | 12.40 | 4/5V1250E           | E    | B-2  | 1 7/16 | 2 3/4   | 31.2  | 5/5V1250E          | E    | A-2  | 1 3/4  | 2 3/4   | 36.3  |
| 13.20     | 13.10 | 4/5V1320E           | E    | B-2  | 1 7/16 | 2 3/4   | 33.7  | 5/5V1320E          | E    | A-2  | 1 3/4  | 2 3/4   | 38.4  |
| 14.00     | 13.90 | 4/5V1400E           | E    | B-3  | 1 7/16 | 2 3/4   | 34.4  | 5/5V1400E          | E    | A-3  | 1 3/4  | 2 3/4   | 40.0  |
| 15.00     | 14.90 | 4/5V1500E           | E    | B-3  | 1 7/16 | 2 3/4   | 37.0  | 5/5V1500E          | E    | A-3  | 1 3/4  | 2 3/4   | 42.7  |
| 16.00     | 15.90 | 4/5V1600E           | E    | B-3  | 1 7/16 | 2 3/4   | 39.6  | 5/5V1600E          | E    | A-3  | 1 3/4  | 2 3/4   | 58.0  |
| 18.70     | 18.60 | 4/5V1870E           | E    | A-3  | 1 1/4  | 2 3/4   | 51.8  | 5/5V1870F          | F    | B-3  | 1 1/4  | 3 3/4   | 67.0  |
| 21.20     | 21.10 | 4/5V2120E           | E    | A-3  | 1 1/4  | 2 3/4   | 58.3  | 5/5V2120F          | F    | B-3  | 1 1/4  | 3 3/4   | 88.0  |
| 23.60     | 23.50 | 4/5V2360F           | F    | C-3  | 7/8    | 3 3/4   | 70.0  | 5/5V2360F          | F    | B-3  | 1 1/4  | 3 3/4   | 114.9 |
| 28.00     | 27.90 | 4/5V2800F           | F    | C-3  | 7/8    | 3 3/4   | 92.0  | 5/5V2800F          | F    | B-3  | 1 1/4  | 3 3/4   | 126.0 |
| 31.50     | 31.40 | 4/5V3150F           | F    | C-3  | 7/8    | 3 3/4   | 108.0 | 5/5V3150J          | J    | C-3  | 9/16   | 4 5/8   | 132.0 |
| 37.50     | 37.40 | 4/5V3750F           | F    | C-3  | 7/8    | 3 3/4   | 138.0 | 5/5V3750J          | J    | C-3  | 9/16   | 4 5/8   | 174.0 |
| 50.00     | 49.90 | 4/5V5000J           | J    | B-3  | 1/8    | 4 5/8   | 227.0 | 5/5V5000J          | J    | C-3  | 9/16   | 4 5/8   | 247.0 |

\* = Can only be mounted from one direction.

**Note:** Cast iron sheaves may not exceed 6500 FPM.

This speed **DOES NOT** specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

Cast Iron Sheaves - **Heavy Duty**  
Bushed, **Six and Seven Groove**  
5V QD Sheaves  
Order part number size  
Example: 6/5V440SD

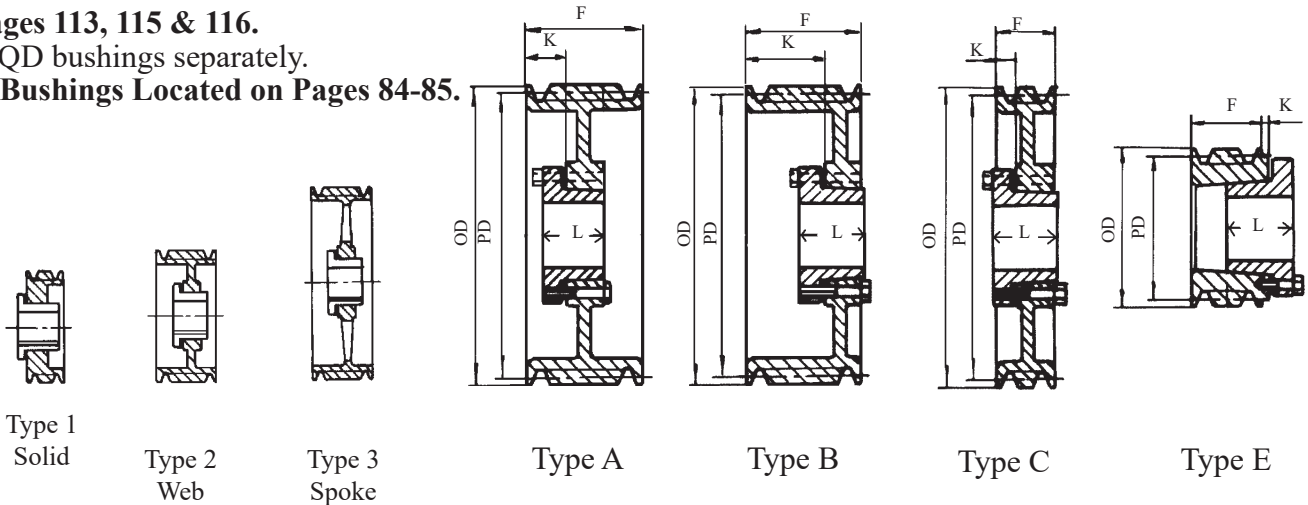


**For 5V & 5VX Belts**

See pages 113, 115 & 116.

Order QD bushings separately.

**Stock Bushings Located on Pages 84-85.**



| Diameters |       | 6 Groove F = 4 7/16 |      |      |         |         |       | 7 Groove F = 5 1/8 |      |      |        |        |      |
|-----------|-------|---------------------|------|------|---------|---------|-------|--------------------|------|------|--------|--------|------|
| O.D.      | P.D.  | Part No.            | Bush | Type | K       | L       | WT.   | Part No.           | Bush | Type | K      | L      | WT.  |
| 4.40      | 4.30  | *6/5V440SD          | SD   | E-1  | 0       | 1 13/16 | 7.7   |                    |      |      |        |        |      |
| 4.65      | 4.55  | *6/5V465SD          | SD   | E-1  | 0       | 1 13/16 | 8.1   |                    |      |      |        |        |      |
| 4.90      | 4.80  | 6/5V490SD           | SD   | A-1  | 1 5/16  | 1 13/16 | 8.1   |                    |      |      |        |        |      |
| 5.20      | 5.10  | 6/5V520SD           | SD   | A-1  | 1 5/16  | 1 13/16 | 10.5  |                    |      |      |        |        |      |
| 5.50      | 5.40  | 6/5V550SD           | SD   | A-1  | 1 5/16  | 1 13/16 | 12.0  |                    |      |      |        |        |      |
| 5.90      | 5.80  | 6/5V590SK           | SK   | A-1  | 1 5/16  | 1 15/16 | 12.6  |                    |      |      |        |        |      |
| 6.30      | 6.20  | 6/5V630SK           | SK   | A-1  | 1 5/16  | 1 15/16 | 14.5  |                    |      |      |        |        |      |
| 6.70      | 6.60  | 6/5V670SF           | SF   | A-1  | 1 5/8   | 2 1/16  | 15.4  |                    |      |      |        |        |      |
| 7.10      | 7.00  | 6/5V710SF           | SF   | A-1  | 1 5/8   | 2 1/16  | 17.4  | 7/5V710SF          | SF   | A-1  | 2 1/8  | 2 1/16 | 17.7 |
| 7.50      | 7.40  | 6/5V750SF           | SF   | A-1  | 1 5/8   | 2 1/16  | 19.4  | 7/5V750SF          | SF   | A-1  | 2 1/8  | 2 1/16 | 20.1 |
| 8.00      | 7.90  | 6/5V800E            | E    | A-1  | 2       | 2 3/4   | 22.7  | 7/5V800E           | E    | A-1  | 2 1/2  | 2 3/4  | 23.8 |
| 8.50      | 8.40  | 6/5V850E            | E    | A-1  | 2       | 2 3/4   | 26.0  | 7/5V850E           | E    | A-1  | 2 1/2  | 2 3/4  | 26.5 |
| 9.00      | 8.90  | 6/5V900E            | E    | A-1  | 2       | 2 3/4   | 29.4  | 7/5V900E           | E    | A-1  | 2 1/2  | 2 3/4  | 32.0 |
| 9.25      | 9.15  | 6/5V925E            | E    | A-1  | 2       | 2 3/4   | 30.8  | 7/5V925F           | F    | A-1  | 2 9/16 | 3 3/4  | 37.5 |
| 9.75      | 9.65  | 6/5V975E            | E    | A-2  | 2       | 2 3/4   | 35.0  | 7/5V975F           | F    | A-1  | 2 9/16 | 3 3/4  | 43.0 |
| 10.30     | 10.20 | 6/5V1030E           | E    | A-2  | 2       | 2 3/4   | 33.0  | 7/5V1030F          | F    | A-1  | 2 9/16 | 3 3/4  | 44.3 |
| 10.90     | 10.80 | 6/5V1090E           | E    | A-2  | 2       | 2 3/4   | 35.6  | 7/5V1090F          | F    | A-2  | 2 9/16 | 3 3/4  | 45.5 |
| 11.30     | 11.20 | 6/5V1130E           | E    | A-2  | 2       | 2 3/4   | 36.7  | 7/5V1130F          | F    | A-2  | 2 9/16 | 3 3/4  | 47.0 |
| 11.80     | 11.70 | 6/5V1180E           | E    | A-2  | 2       | 2 3/4   | 41.4  | 7/5V1180F          | F    | A-2  | 2 9/16 | 3 3/4  | 50.0 |
| 12.50     | 12.40 | 6/5V1250F           | F    | B-2  | 15/16   | 3 3/4   | 45.2  | 7/5V1250F          | F    | A-2  | 2 9/16 | 3 3/4  | 53.3 |
| 13.20     | 13.10 | 6/5V1320F           | F    | B-2  | 15/16   | 3 3/4   | 50.0  | 7/5V1320F          | F    | A-2  | 2 9/16 | 3 3/4  | 56.0 |
| 14.00     | 13.90 | 6/5V1400F           | F    | B-2  | 15/16   | 3 3/4   | 52.6  | 7/5V1400F          | F    | A-2  | 2 9/16 | 3 3/4  | 60.5 |
| 15.00     | 14.90 | 6/5V1500F           | F    | B-3  | 15/16   | 3 3/4   | 55.2  | 7/5V1500F          | F    | A-2  | 2 9/16 | 3 3/4  | 65.0 |
| 16.00     | 15.90 | 6/5V1600F           | F    | B-3  | 1 15/16 | 3 3/4   | 58.0  | 7/5V1600F          | F    | A-2  | 2 9/16 | 3 3/4  | 71.0 |
| 18.70     | 18.60 | 6/5V1870F           | F    | A-3  | 1 5/16  | 3 3/4   | 70.0  |                    |      |      |        |        |      |
| 21.20     | 21.10 | 6/5V2120F           | F    | A-3  | 1 5/16  | 3 3/4   | 81.0  |                    |      |      |        |        |      |
| 23.60     | 23.50 | 6/5V2360J           | J    | B-3  | 1 1/4   | 4 5/8   | 117.5 |                    |      |      |        |        |      |
| 28.00     | 27.90 | 6/5V2800J           | J    | B-3  | 1 1/4   | 4 5/8   | 125.0 |                    |      |      |        |        |      |
| 31.50     | 31.40 | 6/5V3150J           | J    | B-3  | 1 1/4   | 4 5/8   | 200.0 |                    |      |      |        |        |      |
| 37.50     | 37.40 | 6/5V3750J           | J    | B-3  | 1 1/4   | 4 5/8   | 235.0 |                    |      |      |        |        |      |
| 50.00     | 49.90 | 6/5V5000M           | M    | C-3  | 3/4     | 6 3/4   | 330.0 |                    |      |      |        |        |      |

\* = Can only be mounted from one direction.

**Note:** Cast iron sheaves may not exceed 6500 FPM.

This speed **DOES NOT** specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

# QD Bushing Sheaves

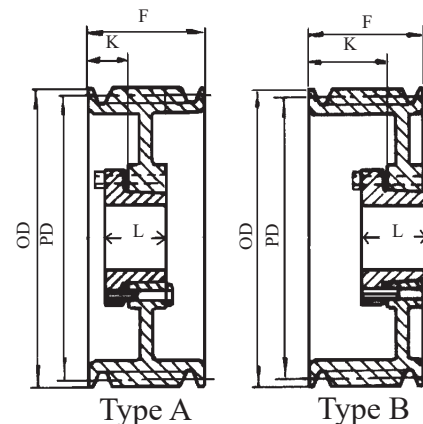
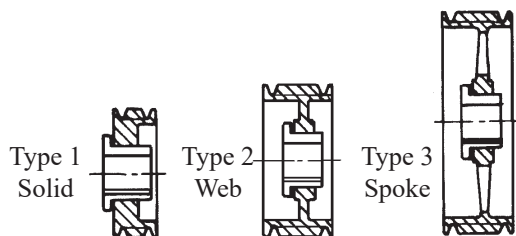
Cast Iron Sheaves - **Heavy Duty**  
Bushed, **Eight and Ten Groove**  
Order part number size  
Example: 8/5V710SF

**For 5V & 5VX Belts**

See pages 113, 115 & 116.

Order QD bushings separately.

**Stock Bushings Located on Pages 84-85.**



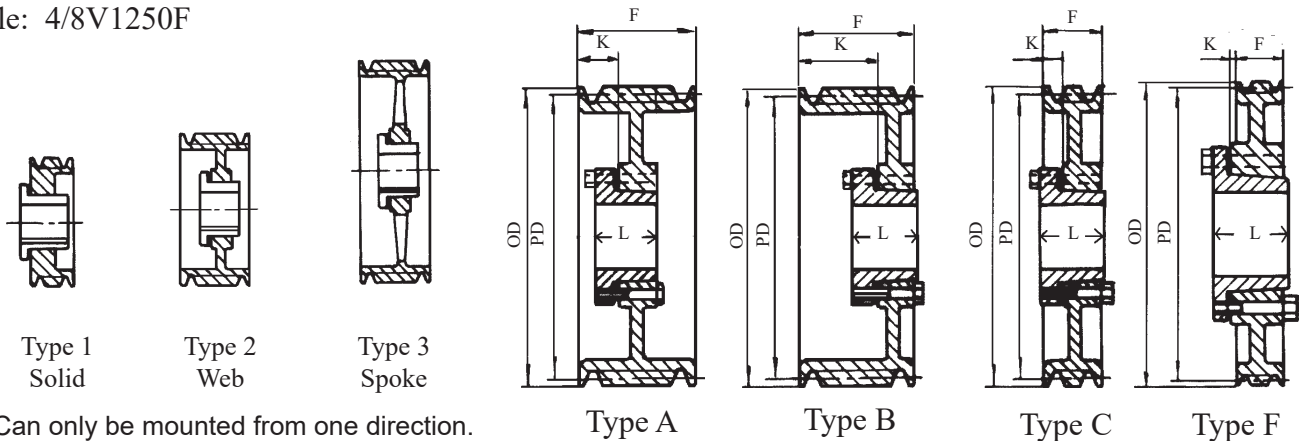
| Diameters |       | 8 Groove F = 5 13/16 |      |      |        |        |       | 10 Groove F = 7 3/16 |      |      |         |       |       |
|-----------|-------|----------------------|------|------|--------|--------|-------|----------------------|------|------|---------|-------|-------|
| O.D.      | P.D.  | Part No.             | Bush | Type | K      | L      | WT.   | Part No.             | Bush | Type | K       | L     | WT.   |
| 7.10      | 7.00  | 8/5V710SF            | SF   | A-1  | 2 1/8  | 2 1/16 | 20.7  |                      |      |      |         |       |       |
| 7.50      | 7.40  | 8/5V750SF            | SF   | A-1  | 2 1/8  | 2 1/16 | 23.1  |                      |      |      |         |       |       |
| 8.00      | 7.90  | 8/5V800E             | E    | A-1  | 2 1/2  | 2 3/4  | 26.8  | 10/5V800E            | E    | A-1  | 3 1/4   | 2 3/4 | 30.9  |
| 8.50      | 8.40  | 8/5V850E             | E    | A-1  | 2 1/2  | 2 3/4  | 29.5  | 10/5V850E            | E    | A-1  | 3 1/4   | 2 3/4 | 34.9  |
| 9.00      | 8.90  | 8/5V900E             | E    | A-1  | 2 1/2  | 2 3/4  | 35.0  | 10/5V900F            | F    | A-1  | 3 5/16  | 3 3/4 | 43.7  |
| 9.25      | 9.15  | 8/5V925F             | F    | A-1  | 2 9/16 | 3 3/4  | 40.5  | 10/5V925F            | F    | A-1  | 3 5/16  | 3 3/4 | 45.6  |
| 9.75      | 9.65  | 8/5V975F             | F    | A-1  | 2 9/16 | 3 3/4  | 46.0  | 10/5V975F            | F    | A-1  | 3 5/16  | 3 3/4 | 51.0  |
| 10.30     | 10.20 | 8/5V1030F            | F    | A-1  | 2 9/16 | 3 3/4  | 47.3  | 10/5V1030F           | F    | A-1  | 3 5/16  | 3 3/4 | 59.0  |
| 10.90     | 10.80 | 8/5V1090F            | F    | A-2  | 2 9/16 | 3 3/4  | 48.5  | 10/5V1090F           | F    | A-2  | 3 5/16  | 3 3/4 | 65.5  |
| 11.30     | 11.20 | 8/5V1130F            | F    | A-2  | 2 9/16 | 3 3/4  | 50.0  | 10/5V1130F           | F    | A-2  | 3 5/16  | 3 3/4 | 60.8  |
| 11.80     | 11.70 | 8/5V1180F            | F    | A-2  | 2 9/16 | 3 3/4  | 53.0  | 10/5V1180F           | F    | A-2  | 3 5/16  | 3 3/4 | 63.0  |
| 12.50     | 12.40 | 8/5V1250F            | F    | A-2  | 2 9/16 | 3 3/4  | 56.3  | 10/5V1250J           | J    | A-2  | 3 9/16  | 4 5/8 | 71.3  |
| 13.20     | 13.10 | 8/5V1320F            | F    | A-2  | 2 9/16 | 3 3/4  | 59.0  | 10/5V1320J           | J    | A-2  | 3 9/16  | 4 5/8 | 79.5  |
| 14.00     | 13.90 | 8/5V1400F            | F    | A-2  | 2 9/16 | 3 3/4  | 63.5  | 10/5V1400J           | J    | A-2  | 3 9/16  | 4 5/8 | 88.0  |
| 15.00     | 14.90 | 8/5V1500F            | F    | A-2  | 2 9/16 | 3 3/4  | 68.0  | 10/5V1500J           | J    | A-2  | 3 9/16  | 4 5/8 | 94.5  |
| 16.00     | 15.90 | 8/5V1600F            | F    | A-2  | 2 9/16 | 3 3/4  | 74.0  | 10/5V1600J           | J    | A-2  | 3 9/16  | 4 5/8 | 101.2 |
| 18.70     | 18.60 | 8/5V1870J            | J    | A-3  | 1 9/16 | 4 5/8  | 94.0  | 10/5V1870J           | J    | A-3  | 1 9/16  | 4 5/8 | 109.6 |
| 21.20     | 21.10 | 8/5V2120J            | J    | A-3  | 1 9/16 | 4 5/8  | 106.0 | 10/5V2120J           | J    | A-3  | 1 9/16  | 4 5/8 | 122.0 |
| 23.60     | 23.50 | 8/5V2360J            | J    | A-3  | 1 9/16 | 4 5/8  | 120.0 | 10/5V2360M           | M    | B-3  | 1 15/16 | 6 3/4 | 174.0 |
| 28.00     | 27.90 | 8/5V2800J            | J    | A-3  | 1 9/16 | 4 5/8  | 145.0 | 10/5V2800M           | M    | B-3  | 1 15/16 | 6 3/4 | 214.0 |
| 31.50     | 31.40 | 8/5V3150M            | M    | B-3  | 5/8    | 6 3/4  | 196.2 | 10/5V3150M           | M    | B-3  | 1 15/16 | 6 3/4 | 238.0 |
| 37.50     | 37.40 | 8/5V3750M            | M    | B-3  | 5/8    | 6 3/4  | 248.0 | 10/5V3750M           | M    | B-3  | 1 15/16 | 6 3/4 | 283.0 |
| 50.00     | 49.90 | 8/5V5000M            | M    | B-3  | 5/8    | 6 3/4  | 367.0 | 10/5V5000M           | M    | B-3  | 1 15/16 | 6 3/4 | 427.0 |

**Note:** Cast iron sheaves may not exceed 6500 FPM.  
This speed **DOES NOT** specify if dynamic balancing  
(2 plane) is required. Contact customer service to verify  
whether dynamic balancing is required.



Cast Iron Sheaves - Heavy Duty  
 Bushed, Four, Five, Six and Seven Groove  
 8V QD Sheaves  
 Order part number size  
 Example: 4/8V1250F

For 8V Belts. See pages 113, 117 & 118.  
 Order QD bushings separately.  
 Stock Bushings Located on Pages 84-85.



\* = Can only be mounted from one direction.

| Diameters |       | 4 Groove F = 4 7/8 |      |      |         |       |        | 5 Groove F = 6     |      |      |         |       |       |
|-----------|-------|--------------------|------|------|---------|-------|--------|--------------------|------|------|---------|-------|-------|
| O.D.      | P.D.  | Part No.           | Bush | Type | K       | L     | WT.    | Part No.           | Bush | Type | K       | L     | WT.   |
| 12.50     | 12.30 | 4/8V1250F          | F    | A-2  | 1 3/16  | 3 3/4 | 60.0   | 5/8V1250F          | F    | A-2  | 2 5/16  | 3 3/4 | 82.8  |
| 13.20     | 13.00 | 4/8V1320F          | F    | A-2  | 1 3/16  | 3 3/4 | 64.0   | 5/8V1320F          | F    | A-2  | 2 5/16  | 3 3/4 | 96.0  |
| 14.00     | 13.80 | 4/8V1400F          | F    | A-2  | 1 3/16  | 3 3/4 | 68.3   | 5/8V1400F          | F    | A-2  | 2 5/16  | 3 3/4 | 81.0  |
| 15.00     | 14.80 | 4/8V1500F          | F    | A-2  | 1 3/16  | 3 3/4 | 72.6   | 5/8V1500F          | F    | A-2  | 2 5/16  | 3 3/4 | 84.5  |
| 16.00     | 15.80 | 4/8V1600F          | F    | A-2  | 1 3/16  | 3 3/4 | 77.0   | 5/8V1600F          | F    | A-2  | 2 5/16  | 3 3/4 | 95.5  |
| 17.00     | 16.80 | 4/8V1700F          | F    | A-3  | 1 3/16  | 3 3/4 | 83.5   | 5/8V1700J          | J    | A-2  | 2       | 4 5/8 | 104.5 |
| 18.00     | 17.80 | 4/8V1800F          | F    | A-3  | 1 3/16  | 3 3/4 | 90.0   | 5/8V1800J          | J    | A-2  | 2       | 4 5/8 | 115.2 |
| 19.00     | 18.80 | 4/8V1900F          | F    | A-3  | 1 3/16  | 3 3/4 | 112.0  | 5/8V1900J          | J    | A-3  | 2       | 4 5/8 | 122.0 |
| 20.00     | 19.80 | 4/8V2000J          | J    | A-3  | 1 7/16  | 4 5/8 | 114.0  | 5/8V2000J          | J    | A-3  | 2       | 4 5/8 | 133.0 |
| 21.20     | 21.00 | 4/8V2120J          | J    | A-3  | 1 7/16  | 4 5/8 | 140.0  | 5/8V2120J          | J    | A-3  | 2       | 4 5/8 | 140.0 |
| 22.40     | 22.20 | 4/8V2240J          | J    | A-3  | 1 7/16  | 4 5/8 | 150.0  | 5/8V2240M          | M    | B-3  | 13/16   | 6 3/4 | 182.0 |
| 24.80     | 24.60 | 4/8V2480M          | M    | F-3  | 5/16    | 6 3/4 | 211.0  | 5/8V2480M          | M    | B-3  | 13/16   | 6 3/4 | 201.0 |
| 30.00     | 29.80 | 4/8V3000M          | M    | F-3  | 5/16    | 6 3/4 | 264.0  | 5/8V3000M          | M    | B-3  | 13/16   | 6 3/4 | 254.0 |
| 35.50     | 35.30 | 4/8V3550M          | M    | F-3  | 5/16    | 6 3/4 | 367.0  | 5/8V3550M          | M    | B-3  | 13/16   | 6 3/4 | 298.0 |
| 40.00     | 39.80 | 4/8V4000M          | M    | F-3  | 5/16    | 6 3/4 | 300.0  | 5/8V4000M          | M    | B-3  | 13/16   | 6 3/4 | 337.0 |
| 44.50     | 44.30 | 4/8V4450M          | M    | C-3  | 13/16   | 6 3/4 | 350.0  | 5/8V4450N          | N    | C-3  | 15/16   | 8 1/8 | 375.0 |
| 53.00     | 52.80 | 4/8V5300M          | M    | C-3  | 13/16   | 6 3/4 | 400.0  | 5/8V5300N          | N    | F-3  | 1/4     | 8 1/8 | 625.0 |
| Diameters |       | 6 Groove F = 7 1/8 |      |      |         |       |        | 7 Groove F = 8 1/4 |      |      |         |       |       |
| O.D.      | P.D.  | Part No.           | Bush | Type | K       | L     | WT.    | Part No.           | Bush | Type | K       | L     | WT.   |
| 12.50     | 12.30 | 6/8V1250F          | F    | A-2  | 2 5/16  | 3 3/4 | 81.0   | 7/8V1250J          | J    | A-1  | 3 9/16  | 4 5/8 | 113.0 |
| 13.20     | 13.00 | 6/8V1320F          | F    | A-2  | 2 5/16  | 3 3/4 | 85.4   | 7/8V1320J          | J    | A-1  | 3 9/16  | 4 5/8 | 127.0 |
| 14.00     | 13.80 | 6/8V1400F          | F    | A-2  | 2 5/16  | 3 3/4 | 96.0   | 7/8V1400J          | J    | A-2  | 3 9/16  | 4 5/8 | 123.0 |
| 15.00     | 14.80 | 6/8V1500J          | J    | A-2  | 2 9/16  | 4 5/8 | 110.0  | 7/8V1500J          | J    | A-2  | 3 15/16 | 4 5/8 | 142.0 |
| 16.00     | 15.80 | 6/8V1600J          | J    | A-2  | 2 9/16  | 4 5/8 | 118.0  | 7/8V1600J          | J    | A-2  | 3 15/16 | 4 5/8 | 160.0 |
| 17.00     | 16.80 | 6/8V1700J          | J    | A-2  | 2 9/16  | 4 5/8 | 126.0  |                    |      |      |         |       |       |
| 18.00     | 17.80 | 6/8V1800J          | J    | A-2  | 2 9/16  | 4 5/8 | 133.0  |                    |      |      |         |       |       |
| 19.00     | 18.80 | 6/8V1900J          | J    | A-3  | 2 9/16  | 4 5/8 | 157.0  |                    |      |      |         |       |       |
| 20.00     | 19.80 | 6/8V2000M          | M    | B-3  | 15/16   | 6 3/4 | 185.0  |                    |      |      |         |       |       |
| 21.20     | 21.00 | 6/8V2120M          | M    | B-3  | 1 15/16 | 6 3/4 | 194.0  |                    |      |      |         |       |       |
| 22.40     | 22.20 | 6/8V2240M          | M    | B-3  | 1 15/16 | 6 3/4 | 221.0  |                    |      |      |         |       |       |
| 24.80     | 24.60 | 6/8V2480M          | M    | B-3  | 1 15/16 | 6 3/4 | 248.0  |                    |      |      |         |       |       |
| 30.00     | 29.80 | 6/8V3000M          | M    | B-3  | 1 15/16 | 6 3/4 | 276.0  |                    |      |      |         |       |       |
| 35.50     | 35.30 | 6/8V3550N          | N    | C-3  | 1 1/8   | 8 1/8 | 444.0  |                    |      |      |         |       |       |
| 40.00     | 39.80 | 6/8V4000N          | N    | C-3  | 1 1/8   | 8 1/8 | 519.0  |                    |      |      |         |       |       |
| 44.50     | 44.30 | 6/8V4450N          | N    | C-3  | 7/8     | 8 1/8 | 600.0  |                    |      |      |         |       |       |
| 53.00     | 52.80 | 6/8V5300N          | N    | C-3  | 7/8     | 8 1/8 | 768.0  |                    |      |      |         |       |       |
| 63.00     | 62.80 | *6/8V6300P         | P    | C-3  | 2       | 9 3/8 | 890.0  |                    |      |      |         |       |       |
| 71.00     | 70.80 | *6/8V7100P         | P    | C-3  | 2       | 9 3/8 | 1000.0 |                    |      |      |         |       |       |

**Note:** Cast iron sheaves may not exceed 6500 FPM. This speed **DOES NOT** specify if dynamic balancing (2 plane) is required.  
 Contact customer service to verify whether dynamic balancing is required.

# QD Bushing Sheaves

Cast Iron Sheaves - Heavy Duty

Bushed, Eight and Ten Groove

Order part number size

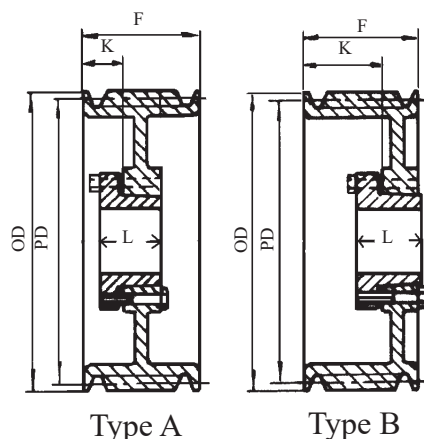
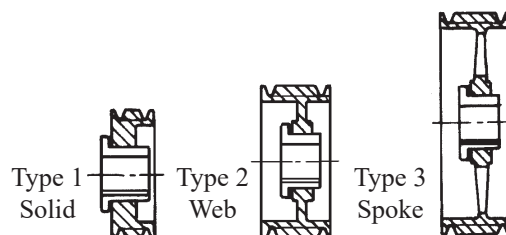
Example: 8/8V1250J

For 8V Belts.

See pages 113, 117 & 118.

Order QD bushings separately.

Stock Bushings Located on Pages 84-85.



| Diameters |       | 8 Groove F = 9 3/8 |      |      |         |        |        | 10 Groove F = 11 5/8 |      |      |         |        |        |
|-----------|-------|--------------------|------|------|---------|--------|--------|----------------------|------|------|---------|--------|--------|
| O.D.      | P.D.  | Part No.           | Bush | Type | K       | L      | WT.    | Part No.             | Bush | Type | K       | L      | WT.    |
| 12.50     | 12.30 | 8/8V1250J          | J    | A-1  | 3 9/16  | 4 5/8  | 117.0  | 10/8V1250J           | J    | A-1  | 3 9/16  | 4 5/8  | 134.0  |
| 13.20     | 13.00 | 8/8V1320J          | J    | A-2  | 3 9/16  | 4 5/8  | 131.0  | 10/8V1320J           | J    | A-1  | 3 9/16  | 4 5/8  | 150.5  |
| 14.00     | 13.80 | 8/8V1400J          | J    | A-2  | 3 9/16  | 4 5/8  | 127.0  | 10/8V1400J           | J    | A-1  | 3 9/16  | 4 5/8  | 167.0  |
| 15.00     | 14.80 | 8/8V1500J          | J    | A-2  | 3 15/16 | 4 5/8  | 146.0  | 10/8V1500M           | M    | A-1  | 3 15/16 | 6 3/4  | 225.0  |
| 16.00     | 15.80 | 8/8V1600J          | J    | A-2  | 3 15/16 | 4 5/8  | 162.0  | 10/8V1600M           | M    | A-1  | 3 15/16 | 6 3/4  | 263.0  |
| 17.00     | 16.80 | 8/8V1700M          | M    | A-2  | 3 15/16 | 6 3/4  | 228.0  | 10/8V1700M           | M    | A-2  | 3 15/16 | 6 3/4  | 267.5  |
| 18.00     | 17.80 | 8/8V1800M          | M    | A-2  | 3 15/16 | 6 3/4  | 230.0  | 10/8V1800M           | M    | A-2  | 3 15/16 | 6 3/4  | 272.0  |
| 19.00     | 18.80 | 8/8V1900M          | M    | A-2  | 3 15/16 | 6 3/4  | 222.0  | 10/8V1900M           | M    | A-2  | 3 15/16 | 6 3/4  | 269.0  |
| 20.00     | 19.80 | 8/8V2000M          | M    | A-2  | 3 15/16 | 6 3/4  | 213.0  | 10/8V2000M           | M    | A-3  | 3 15/16 | 6 3/4  | 253.0  |
| 21.20     | 21.00 | 8/8V2120M          | M    | A-3  | 3 15/16 | 6 3/4  | 230.0  | 10/8V2120M           | M    | A-3  | 3 15/16 | 6 3/4  | 267.0  |
| 22.40     | 22.20 | 8/8V2240M          | M    | A-3  | 3 15/16 | 6 3/4  | 244.0  | 10/8V2240N           | N    | A-2  | 2 1/4   | 8 1/8  | 332.0  |
| 24.80     | 24.60 | 8/8V2480N          | N    | A-3  | 2 1/4   | 8 1/8  | 365.7  | 10/8V2480N           | N    | A-3  | 2 1/4   | 8 1/8  | 356.0  |
| 30.00     | 29.80 | 8/8V3000N          | N    | A-3  | 2 1/4   | 8 1/8  | 410.0  | 10/8V3000N           | N    | A-3  | 2 1/4   | 8 1/8  | 425.0  |
| 35.50     | 35.30 | 8/8V3550N          | N    | A-3  | 2 1/4   | 8 1/8  | 508.0  | *10/8V3550P          | P    | A-3  | 2 5/8   | 9 3/8  | 635.0  |
| 40.00     | 39.80 | 8/8V4000N          | N    | A-3  | 2 1/4   | 8 1/8  | 592.0  | *10/8V4000P          | P    | A-3  | 2 5/8   | 9 3/8  | 754.0  |
| 44.50     | 44.30 | *8/8V4450P         | P    | B-3  | 2 5/8   | 9 3/8  | 860.0  | *10/8V4450P          | P    | A-3  | 2 5/8   | 9 3/8  | 813.5  |
| 53.00     | 52.80 | *8/8V5300P         | P    | B-3  | 2 5/8   | 9 3/8  | 992.0  | *10/8V5300P          | P    | A-3  | 1 3/4   | 9 3/8  | 1137.0 |
| 63.00     | 62.80 | *8/8V6300P         | P    | B-3  | 2 5/8   | 9 3/8  | 1050.0 | *10/8V6300W          | W    | A-3  | 2 5/8   | 11 3/8 | 1500.0 |
| 71.00     | 70.80 | *8/8V7100W         | W    | B-3  | 2 1/4   | 11 3/8 | 1808.0 | *10/8V7100W          | W    | A-3  | 2 5/8   | 11 3/8 | 1916.0 |

\* = Can only be mounted from one direction.

**Note:** Cast iron sheaves may not exceed 6500 FPM.

This speed **DOES NOT** specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

9 Groove & Severe Duty Ductile Iron Sheaves (Max Rim Speed = 8,000FPM) are available upon request.

**Cast Iron Sheaves - Heavy Duty**

Bushed, **Twelve Groove**

Order part number size

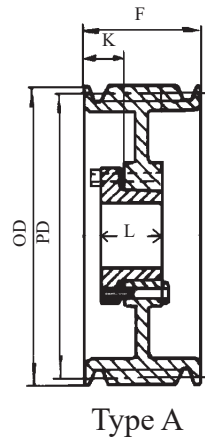
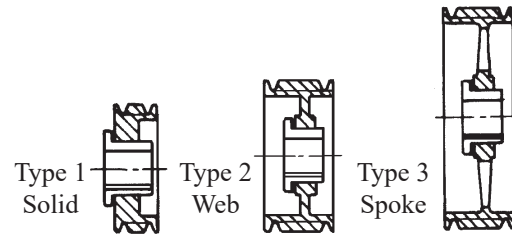
Example: 12/8V1250M

**For 8V Belts.**

See pages 113, 117 & 118.

Order QD bushings separately.

**Stock Bushings Located on Pages 84-85.**



| Diameters |       | 12 Groove F = 13 7/8 |      |      |         |        |        |
|-----------|-------|----------------------|------|------|---------|--------|--------|
| O.D.      | P.D.  | Part No.             | Bush | Type | K       | L      | WT.    |
| 12.50     | 12.30 | 12/8V1250M           | M    | A-1  | 3 15/16 | 6 3/4  | 198.4  |
| 13.20     | 13.00 | 12/8V1320M           | M    | A-1  | 3 15/16 | 6 3/4  | 220.5  |
| 14.00     | 13.80 | 12/8V1400M           | M    | A-1  | 3 15/16 | 6 3/4  | 242.5  |
| 15.00     | 14.80 | 12/8V1500M           | M    | A-1  | 3 15/16 | 6 3/4  | 275.6  |
| 16.00     | 15.80 | 12/8V1600M           | M    | A-1  | 3 15/16 | 6 3/4  | 313.1  |
| 17.00     | 16.80 | 12/8V1700M           | M    | A-1  | 3 15/16 | 6 3/4  | 348.3  |
| 18.00     | 17.80 | 12/8V1800M           | M    | A-2  | 3 15/16 | 6 3/4  | 352.7  |
| 19.00     | 18.80 | 12/8V1900N           | N    | A-2  | 2 1/16  | 8 1/8  | 396.8  |
| 20.00     | 19.80 | 12/8V2000N           | N    | A-2  | 2 1/16  | 8 1/8  | 421.1  |
| 21.20     | 21.00 | 12/8V2120N           | N    | A-2  | 2 1/16  | 8 1/8  | 452.0  |
| 22.40     | 22.20 | 12/8V2240N           | N    | A-2  | 2 1/16  | 8 1/8  | 485.0  |
| 24.80     | 24.60 | 12/8V2480N           | N    | A-2  | 2 1/16  | 8 1/8  | 515.9  |
| 30.00     | 29.80 | *12/8V3000P          | P    | A-3  | 2 3/8   | 9 3/8  | 646.0  |
| 35.50     | 35.30 | *12/8V3550P          | P    | A-3  | 2 3/8   | 9 3/8  | 754.0  |
| 35.50     | 35.30 | *12/8V3550W          | W    | A-3  | 2 3/8   | 11 3/8 | 869.1  |
| 40.00     | 39.80 | *12/8V4000P          | P    | A-3  | 2 3/8   | 9 3/8  | 870.9  |
| 44.50     | 44.30 | *12/8V4450P          | P    | A-3  | 2 3/8   | 9 3/8  | 992.1  |
| 53.00     | 52.80 | *12/8V5300W          | W    | A-3  | 2 5/8   | 11 3/8 | 1410.0 |
| 63.00     | 62.80 | *12/8V6300W          | W    | A-3  | 2 7/8   | 11 3/8 | 1700.0 |
| 71.00     | 70.80 | *12/8V7100W          | W    | A-3  | 2 7/8   | 11 3/8 | 2000.0 |

\* = Can only be mounted from one direction.

**Note:** Cast iron sheaves may not exceed 6500 FPM.

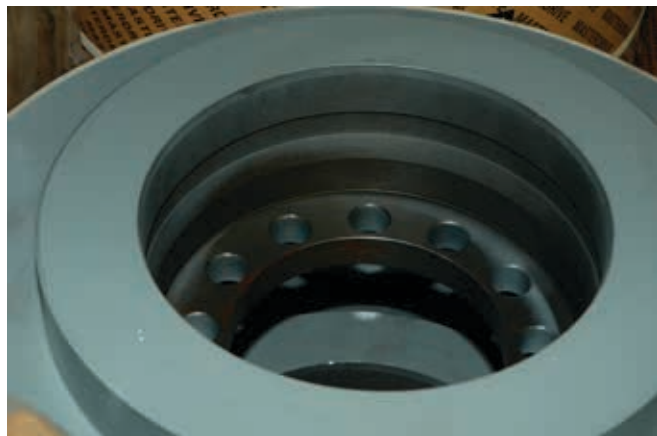
This speed **DOES NOT** specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

**Severe Duty Ductile Iron Sheaves**

(Max Rim Speed = 8,000FPM) are available upon request.

## Oilfield Sheaves

MasterDrive, Inc. offers the following stock sheaves specifically for the oilfield industry. More sizes available upon request.



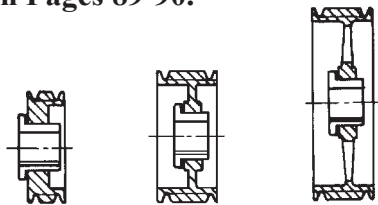
| Part No.             | Description                                                             |
|----------------------|-------------------------------------------------------------------------|
| 10/8V2120-752        | GE752 Motor Mount Sheave, 10 Groove, 8V Section, 21.2" O.D.             |
| 12/8V2120-752        | GE752 Motor Mount Sheave, 12 Groove, 8V Section, 21.2" O.D.             |
| 10/8V2240-752        | GE752 Motor Mount Sheave, 10 Groove, 8V Section, 22.4" O.D.             |
| 12/8V2240-752        | GE752 Motor Mount Sheave, 12 Groove, 8V Section, 22.4" O.D.             |
| 10/8V2480-752        | GE752 Motor Mount Sheave, 10 Groove, 8V Section, 24.8" O.D.             |
| 12/8V2480-752        | GE752 Motor Mount Sheave, 12 Groove, 8V Section, 24.8" O.D.             |
|                      |                                                                         |
| 12/8V2480-GEB28      | GEB28 Motor Mount Sheave, 12 Groove, 8V Section, 24.8" O.D.             |
|                      |                                                                         |
| 10/8V2120-GEB29      | GEB29 Motor Mount Sheave, 10 Groove, 8V Section, 21.2" O.D.             |
| 12/8V2120-GEB29      | GEB29 Motor Mount Sheave, 12 Groove, 8V Section, 21.2" O.D.             |
| 12/8V2240-GEB29      | GEB29 Motor Mount Sheave, 12 Groove, 8V Section, 22.4" O.D.             |
| 12/8V2480-GEB29      | GEB29 Motor Mount Sheave, 12 Groove, 8V Section, 24.8" O.D.             |
|                      |                                                                         |
| 12/8V2480N DI        | Ductile Iron QD Sheave, 12 Groove, 8V Section, 24.8" O.D.               |
| 12/8V3550W DI        | Ductile Iron Oversize Hub QD Sheave, 12 Groove, 8V Section, 35.5" O.D.  |
|                      |                                                                         |
| 12/8V3550W           | Oversize Hub QD Sheave, 12 Groove, 8V Section, 35.5" O.D.               |
| 12/8V3550W OFFSET    | Oversize 1" Offset Hub QD Sheave, 12 Groove, 8V Section, 35.5" O.D.     |
| 12/8V4000W OFFSET    | Oversize 1" Offset Hub QD Sheave, 12 Groove, 8V Section, 40.0" O.D.     |
| 12/8V4450W OFFSET    | Oversize 1" Offset Hub QD Sheave, 12 Groove, 8V Section, 44.5" O.D.     |
| 12/8V4000W FLUSH     | Oversize Flush Hub QD Sheave, 12 Groove, 8V Section, 40.0" O.D.         |
| 12/8V4000S FLUSH     | Oversize Flush Hub QD Sheave, 12 Groove, 8V Section, 40.0" O.D.         |
| 8/8V3550W DI OFFSET  | Ductile Iron 3" Offset Hub QD Sheave, 8 Groove, 8V Section, 35.5" O.D.  |
| 12/8V4000W DI OFFSET | Ductile Iron 1" Offset Hub QD Sheave, 12 Groove, 8V Section, 40.0" O.D. |
| 12/8V4450W DI OFFSET | Ductile Iron 1" Offset Hub QD Sheave, 12 Groove, 8V Section, 44.5" O.D. |
| 12/8V4450S DI OFFSET | Ductile Iron 1" Offset Hub QD Sheave, 12 Groove, 8V Section, 44.5" O.D. |
| 12/8V6300W DI OFFSET | Ductile Iron 1" Offset Hub QD Sheave, 12 Groove, 8V Section, 63.0" O.D. |
|                      |                                                                         |
| 4C60-3-3/8           | Bored-To-Size Sheave, 4 Groove, C Section, 6" P.D.                      |
| 5C60-3-3/8           | Bored-To-Size Sheave, 5 Groove, C Section, 6" P.D.                      |
| 5C70-3-3/8           | Bored-To-Size Sheave, 5 Groove, C Section, 7" P.D.                      |
| 6C60-3-3/8           | Bored-To-Size Sheave, 6 Groove, C Section, 6" P.D.                      |
| 6C70-3-3/8           | Bored-To-Size Sheave, 6 Groove, C Section, 7" P.D.                      |
|                      |                                                                         |
| S9.1/4               | QD Bushing 9.1/4 Bore Size                                              |



Cast Iron Sheaves - **Heavy Duty**  
Bushed, **One and Two Groove**  
A-B DST Sheaves  
Order part number size  
Example: 1B34P1



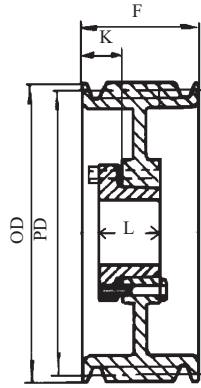
For A, AX, B & BX V-Belts.  
See pages 102-108.  
Order DST bushings separately  
Stock Bushings Located  
on Pages 89-90.



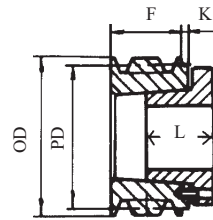
Type 1  
Solid

Type 2  
Web

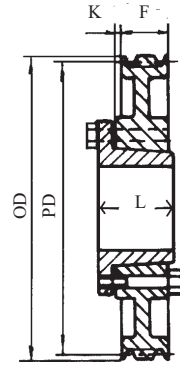
Type 3  
Spoke



Type A



Type E



Type F

| O.D.  | P.D.  |       | 1 Groove F = 1 |      |      |      |         |      | 2 Groove F = 1 3/4 |      |      |      |         |      |
|-------|-------|-------|----------------|------|------|------|---------|------|--------------------|------|------|------|---------|------|
|       | A     | B     | Part No.       | Bush | Type | K    | L       | WT.  | Part No.           | Bush | Type | K    | L       | WT.  |
| 3.75  | 3.00  | 3.40  | 1B34P1         | P1   | E-1  | 0    | 1 15/16 | 2.0  | 2B34P1             | P1   | E-1  | 7/16 | 1 15/16 | 2.9  |
| 3.95  | 3.20  | 3.60  | 1B36P1         | P1   | E-1  | 0    | 1 15/16 | 2.3  | 2B36P1             | P1   | E-1  | 7/16 | 1 15/16 | 3.8  |
| 4.15  | 3.40  | 3.80  | 1B38P1         | P1   | E-1  | 0    | 1 15/16 | 2.6  | 2B38P1             | P1   | E-1  | 0    | 1 15/16 | 3.0  |
| 4.35  | 3.60  | 4.00  | 1B40P1         | P1   | F-1  | 0    | 1 15/16 | 2.1  | 2B40P1             | P1   | E-1  | 0    | 1 15/16 | 3.8  |
| 4.55  | 3.80  | 4.20  | 1B42P1         | P1   | F-1  | 0    | 1 15/16 | 2.4  | 2B42P1             | P1   | E-1  | 0    | 1 15/16 | 3.9  |
| 4.75  | 4.00  | 4.40  | 1B44P1         | P1   | F-1  | 0    | 1 15/16 | 2.8  | 2B44P1             | P1   | A-1  | 7/16 | 1 15/16 | 3.9  |
| 4.95  | 4.20  | 4.60  | 1B46P1         | P1   | F-1  | 0    | 1 15/16 | 3.1  | 2B46P1             | P1   | A-1  | 7/16 | 1 15/16 | 4.5  |
| 5.15  | 4.40  | 4.80  | 1B48P1         | P1   | F-1  | 0    | 1 15/16 | 3.5  | 2B48P1             | P1   | A-1  | 7/16 | 1 15/16 | 5.3  |
| 5.35  | 4.60  | 5.00  | 1B50P1         | P1   | F-1  | 0    | 1 15/16 | 3.9  | 2B50P1             | P1   | A-1  | 7/16 | 1 15/16 | 5.6  |
| 5.55  | 4.80  | 5.20  | 1B52P1         | P1   | F-1  | 0    | 1 15/16 | 4.1  | 2B52P1             | P1   | A-1  | 7/16 | 1 15/16 | 6.1  |
| 5.75  | 5.00  | 5.40  | 1B54P1         | P1   | F-1  | 0    | 1 15/16 | 4.6  | 2B54P1             | P1   | A-1  | 7/16 | 1 15/16 | 6.5  |
| 5.95  | 5.20  | 5.60  | 1B56P1         | P1   | F-1  | 0    | 1 15/16 | 5.1  | 2B56P1             | P1   | A-1  | 7/16 | 1 15/16 | 7.4  |
| 6.15  | 5.40  | 5.80  | 1B58P1         | P1   | F-1  | 0    | 1 15/16 | 5.6  | 2B58P1             | P1   | A-1  | 7/16 | 1 15/16 | 8.0  |
| 6.35  | 5.60  | 6.00  | 1B60P1         | P1   | F-2  | 0    | 1 15/16 | 6.0  | 2B60P1             | P1   | A-1  | 7/16 | 1 15/16 | 8.9  |
| 6.55  | 5.80  | 6.20  | 1B62P1         | P1   | F-2  | 0    | 1 15/16 | 5.5  | 2B62P1             | P1   | A-2  | 7/16 | 1 15/16 | 7.6  |
| 6.75  | 6.00  | 6.40  | 1B64P1         | P1   | F-2  | 0    | 1 15/16 | 5.8  | 2B64P1             | P1   | A-2  | 7/16 | 1 15/16 | 7.8  |
| 6.95  | 6.20  | 6.60  | 1B66P1         | P1   | F-2  | 0    | 1 15/16 | 5.9  | 2B66P1             | P1   | A-2  | 7/16 | 1 15/16 | 8.3  |
| 7.15  | 6.40  | 6.80  | 1B68P1         | P1   | F-2  | 0    | 1 15/16 | 6.1  | 2B68P1             | P1   | A-2  | 7/16 | 1 15/16 | 8.8  |
| 7.35  | 6.60  | 7.00  | 1B70P1         | P1   | F-2  | 5/32 | 1 15/16 | 6.4  | 2B70Q1             | Q1   | A-2  | 0    | 2 1/2   | 11.1 |
| 7.75  | 7.00  | 7.40  | 1B74P1         | P1   | F-2  | 5/32 | 1 15/16 | 7.3  | 2B74Q1             | Q1   | A-2  | 0    | 2 1/2   | 11.5 |
| 8.35  | 7.60  | 8.00  | 1B80P1         | P1   | F-2  | 5/32 | 1 15/16 | 7.8  | 2B80Q1             | Q1   | A-2  | 0    | 2 1/2   | 12.8 |
| 8.95  | 8.20  | 8.60  | 1B86P1         | P1   | F-2  | 5/32 | 1 15/16 | 8.6  | 2B86Q1             | Q1   | A-2  | 0    | 2 1/2   | 16.0 |
| 9.35  | 8.60  | 9.00  | 1B90P1         | P1   | F-2  | 5/32 | 1 15/16 | 8.9  | 2B90Q1             | Q1   | A-2  | 0    | 2 1/2   | 15.1 |
| 9.75  | 9.00  | 9.40  | 1B94P1         | P1   | F-2  | 5/32 | 1 15/16 | 9.1  | 2B94Q1             | Q1   | A-2  | 0    | 2 1/2   | 15.5 |
| 11.35 | 10.60 | 11.00 | 1B110P1        | P1   | F-3  | 5/32 | 1 15/16 | 11.1 | 2B110Q1            | Q1   | A-2  | 0    | 2 1/2   | 18.9 |
| 12.75 | 12.00 | 12.40 | 1B124Q1        | Q1   | F-3  | 3/8  | 2 1/2   | 17.8 | 2B124Q1            | Q1   | A-3  | 0    | 2 1/2   | 21.1 |
| 13.95 | 13.20 | 13.60 | 1B136Q1        | Q1   | F-3  | 3/8  | 2 1/2   | 18.2 | 2B136Q1            | Q1   | A-3  | 0    | 2 1/2   | 23.0 |
| 15.75 | 15.00 | 15.40 | 1B154Q1        | Q1   | F-3  | 3/8  | 2 1/2   | 20.3 | 2B154Q1            | Q1   | A-3  | 0    | 2 1/2   | 24.8 |
| 16.35 | 15.60 | 16.00 | 1B160Q1        | Q1   | F-3  | 3/8  | 2 1/2   | 22.0 | 2B160Q1            | Q1   | A-3  | 0    | 2 1/2   | 27.0 |
| 18.75 | 18.00 | 18.40 | 1B184Q1        | Q1   | F-3  | 3/8  | 2 1/2   | 27.5 | 2B184Q1            | Q1   | A-3  | 0    | 2 1/2   | 32.3 |
| 20.35 | 19.60 | 20.00 | 1B200Q1        | Q1   | F-3  | 3/8  | 2 1/2   | 27.2 | 2B200Q1            | Q1   | A-3  | 0    | 2 1/2   | 42.3 |
| 25.35 | 24.60 | 25.00 | 1B250Q1        | Q1   | F-3  | 3/8  | 2 1/2   | 42.4 | 2B250Q1            | Q1   | A-3  | 0    | 2 1/2   | 50.3 |
| 30.35 | 29.60 | 30.00 |                |      |      |      |         |      | 2B300Q1            | Q1   | A-3  | 0    | 2 1/2   | 68.8 |

**Note:** Cast iron sheaves may not exceed 6500 FPM. This speed **DOES NOT** specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.



# DST Bushing Sheaves

Cast Iron Sheaves - **Heavy Duty**  
Bushed, **Three and Four Groove**  
A-B DST Sheaves  
Order part number size  
Example: 3B34P2



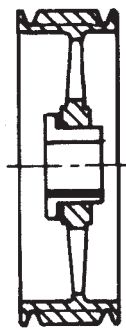
For A, AX, B & BX V-Belts.  
See pages 102-108.  
Order DST bushings separately  
Stock Bushings Located  
on Pages 89-90.



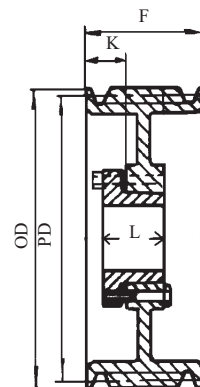
Type 1  
Solid



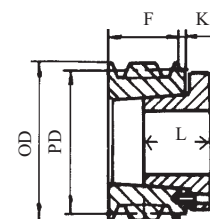
Type 2  
Web



Type 3  
Spoke



Type A



Type E

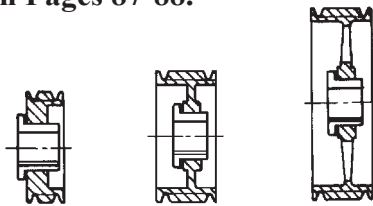
| P.D.  |       |       | 3 Groove F = 2 1/2 |      |      |      |         |       | 4 Groove F = 3 1/4 |      |      |      |         |       |
|-------|-------|-------|--------------------|------|------|------|---------|-------|--------------------|------|------|------|---------|-------|
| O.D.  | A     | B     | Part No.           | Bush | Type | K    | L       | WT.   | Part No.           | Bush | Type | K    | L       | WT.   |
| 3.75  | 3.00  | 3.40  | 3B34P2             | P2   | E-1  | 7/16 | 2 15/16 | 3.8   | 4B34P2             | P2   | E-1  | 7/16 | 2 15/16 | 4.5   |
| 3.95  | 3.20  | 3.60  | 3B36P2             | P2   | E-1  | 7/16 | 2 15/16 | 4.4   | 4B36P2             | P2   | E-1  | 7/16 | 2 15/16 | 5.3   |
| 4.15  | 3.40  | 3.80  | 3B38P1             | P1   | E-1  | 0    | 1 15/16 | 3.8   | 4B38P1             | P1   | E-1  | 0    | 1 15/16 | 4.8   |
| 4.35  | 3.60  | 4.00  | 3B40P1             | P1   | E-1  | 0    | 1 15/16 | 4.5   | 4B40P1             | P1   | E-1  | 0    | 1 15/16 | 5.5   |
| 4.55  | 3.80  | 4.20  | 3B42P1             | P1   | E-1  | 0    | 1 15/16 | 4.9   | 4B42P1             | P1   | E-1  | 0    | 1 15/16 | 5.9   |
| 4.75  | 4.00  | 4.40  | 3B44P1             | P1   | A-1  | 5/8  | 1 15/16 | 5.1   | 4B44P1             | P1   | A-2  | 5/8  | 1 15/16 | 6.5   |
| 4.95  | 4.20  | 4.60  | 3B46P1             | P1   | A-2  | 5/8  | 1 15/16 | 6.0   | 4B46P1             | P1   | A-2  | 5/8  | 1 15/16 | 7.1   |
| 5.15  | 4.40  | 4.80  | 3B48P1             | P1   | A-2  | 5/8  | 1 15/16 | 6.3   | 4B48P1             | P1   | A-2  | 5/8  | 1 15/16 | 7.5   |
| 5.35  | 4.60  | 5.00  | 3B50P1             | P1   | A-2  | 5/8  | 1 15/16 | 6.9   | 4B50P1             | P1   | A-2  | 5/8  | 1 15/16 | 8.3   |
| 5.55  | 4.80  | 5.20  | 3B52P1             | P1   | A-2  | 5/8  | 1 15/16 | 7.5   | 4B52P1             | P1   | A-2  | 5/8  | 1 15/16 | 9.1   |
| 5.75  | 5.00  | 5.40  | 3B54P1             | P1   | A-2  | 5/8  | 1 15/16 | 8.3   | 4B54P1             | P1   | A-2  | 5/8  | 1 15/16 | 9.6   |
| 5.95  | 5.20  | 5.60  | 3B56P1             | P1   | A-2  | 5/8  | 1 15/16 | 9.0   | 4B56P1             | P1   | A-2  | 5/8  | 1 15/16 | 10.6  |
| 6.15  | 5.40  | 5.80  | 3B58P1             | P1   | A-2  | 5/8  | 1 15/16 | 9.6   | 4B58P1             | P1   | A-2  | 5/8  | 1 15/16 | 11.6  |
| 6.35  | 5.60  | 6.00  | 3B60P1             | P1   | A-2  | 5/8  | 1 15/16 | 10.5  | 4B60P1             | P1   | A-2  | 5/8  | 1 15/16 | 11.9  |
| 6.55  | 5.80  | 6.20  | 3B62P1             | P1   | A-2  | 5/8  | 1 15/16 | 9.4   | 4B62P1             | P1   | A-2  | 5/8  | 1 15/16 | 11.1  |
| 6.75  | 6.00  | 6.40  | 3B64P1             | P1   | A-2  | 5/8  | 1 15/16 | 9.5   | 4B64P1             | P1   | A-2  | 5/8  | 1 15/16 | 11.8  |
| 6.95  | 6.20  | 6.60  | 3B66P1             | P1   | A-2  | 5/8  | 1 15/16 | 10.0  | 4B66P1             | P1   | A-2  | 5/8  | 1 15/16 | 12.0  |
| 7.15  | 6.40  | 6.80  | 3B68P1             | P1   | A-2  | 5/8  | 1 15/16 | 10.4  | 4B68P1             | P1   | A-2  | 5/8  | 1 15/16 | 12.5  |
| 7.35  | 6.60  | 7.00  | 3B70Q1             | Q1   | A-1  | 3/8  | 2 1/2   | 13.0  | 4B70Q1             | Q1   | A-2  | 3/4  | 2 1/2   | 15.3  |
| 7.75  | 7.00  | 7.40  | 3B74Q1             | Q1   | A-2  | 3/8  | 2 1/2   | 13.3  | 4B74Q1             | Q1   | A-2  | 3/4  | 2 1/2   | 15.3  |
| 8.35  | 7.60  | 8.00  | 3B80Q1             | Q1   | A-2  | 3/8  | 2 1/2   | 15.3  | 4B80Q1             | Q1   | A-2  | 3/4  | 2 1/2   | 17.0  |
| 8.95  | 8.20  | 8.60  | 3B86Q1             | Q1   | A-2  | 3/8  | 2 1/2   | 18.9  | 4B86Q1             | Q1   | A-2  | 3/4  | 2 1/2   | 20.8  |
| 9.35  | 8.60  | 9.00  | 3B90Q1             | Q1   | A-2  | 3/8  | 2 1/2   | 18.1  | 4B90Q1             | Q1   | A-2  | 3/4  | 2 1/2   | 20.6  |
| 9.75  | 9.00  | 9.40  | 3B94Q1             | Q1   | A-2  | 3/8  | 2 1/2   | 18.0  | 4B94Q1             | Q1   | A-2  | 3/4  | 2 1/2   | 20.1  |
| 11.35 | 10.60 | 11.00 | 3B110Q1            | Q1   | A-2  | 3/8  | 2 1/2   | 21.3  | 4B110Q1            | Q1   | A-2  | 3/4  | 2 1/2   | 25.8  |
| 12.75 | 12.00 | 12.40 | 3B124Q1            | Q1   | A-3  | 3/8  | 2 1/2   | 25.4  | 4B124Q1            | Q1   | A-3  | 3/4  | 2 1/2   | 27.5  |
| 13.95 | 13.20 | 13.60 | 3B136Q1            | Q1   | A-3  | 3/8  | 2 1/2   | 27.4  | 4B136Q1            | Q1   | A-3  | 3/4  | 2 1/2   | 31.5  |
| 15.75 | 15.00 | 15.40 | 3B154Q1            | Q1   | A-3  | 3/8  | 2 1/2   | 29.8  | 4B154Q1            | Q1   | A-3  | 3/4  | 2 1/2   | 36.0  |
| 16.35 | 15.60 | 16.00 | 3B160Q1            | Q1   | A-3  | 3/8  | 2 1/2   | 32.0  | 4B160Q1            | Q1   | A-3  | 3/4  | 2 1/2   | 39.0  |
| 18.75 | 18.00 | 18.40 | 3B184Q1            | Q1   | A-3  | 3/8  | 2 1/2   | 37.8  | 4B184Q1            | Q1   | A-3  | 3/4  | 2 1/2   | 44.8  |
| 20.35 | 19.60 | 20.00 | 3B200Q1            | Q1   | A-3  | 3/8  | 2 1/2   | 49.9  | 4B200Q1            | Q1   | A-3  | 3/4  | 2 1/2   | 57.0  |
| 25.35 | 24.60 | 25.00 | 3B250Q1            | Q1   | A-3  | 3/8  | 2 1/2   | 61.0  | 4B250Q1            | Q1   | A-3  | 3/4  | 2 1/2   | 69.5  |
| 30.35 | 29.60 | 30.00 | 3B300Q1            | Q1   | A-3  | 3/8  | 2 1/2   | 78.5  | 4B300Q1            | Q1   | A-3  | 3/4  | 2 1/2   | 90.8  |
| 38.35 | 37.60 | 38.00 | 3B380Q1            | Q1   | A-3  | 3/8  | 2 1/2   | 110.0 | 4B380Q1            | Q1   | A-3  | 3/4  | 2 1/2   | 125.0 |

**Note:** Cast iron sheaves may not exceed 6500 FPM. This speed  
**DOES NOT** specify if dynamic balancing (2 plane) is required.  
Contact customer service to verify whether dynamic balancing  
is required.

Cast Iron Sheaves - **Heavy Duty**  
Bushed, **One and Two Groove**  
A-B TB Sheaves  
Order part number size  
Example: 1B34-1210



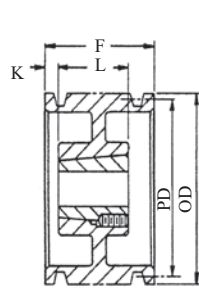
For A, AX, B & BX V-Belts.  
See pages 102-108.  
Order TB bushings separately  
Stock Bushings Located  
on Pages 87-88.



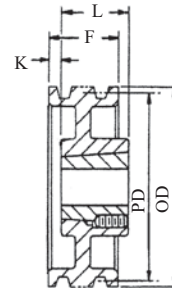
Type 1  
Solid

Type 2  
Web

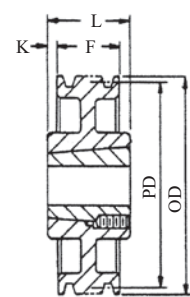
Type 3  
Spoke



Type A



Type E



Type F

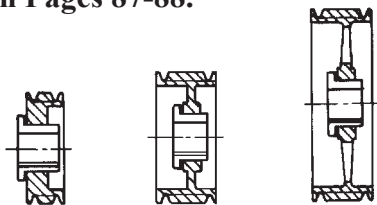
| P.D.  |       |       | 1 Groove F = 1B34-1210 THRU 1B154-2517 = 1<br>1B184-2517 = 1 1/8 |      |      |      |       |      | 2 Groove F = 1 3/4 |      |      |     |       |      |
|-------|-------|-------|------------------------------------------------------------------|------|------|------|-------|------|--------------------|------|------|-----|-------|------|
| O.D.  | A     | B     | Part No.                                                         | Bush | Type | K    | L     | WT.  | Part No.           | Bush | Type | K   | L     | WT.  |
| 3.75  | 3.00  | 3.40  | 1B34-1210                                                        | 1210 | A-1  | 0    | 1     | 2.2  | 2B34-1210          | 1210 | A-1  | 3/4 | 1     | 2.9  |
| 3.95  | 3.20  | 3.60  | 1B36-1210                                                        | 1210 | A-1  | 0    | 1     | 2.6  | 2B36-1210          | 1210 | A-1  | 3/4 | 1     | 3.8  |
| 4.15  | 3.40  | 3.80  | 1B38-1610                                                        | 1610 | A-1  | 0    | 1     | 2.8  | 2B38-1610          | 1610 | A-1  | 3/4 | 1     | 3.0  |
| 4.35  | 3.60  | 4.00  | 1B40-1610                                                        | 1610 | A-1  | 0    | 1     | 3.0  | 2B40-1610          | 1610 | A-1  | 3/4 | 1     | 3.8  |
| 4.55  | 3.80  | 4.20  | 1B42-1610                                                        | 1610 | A-1  | 0    | 1     | 3.5  | 2B42-1610          | 1610 | A-1  | 3/4 | 1     | 3.9  |
| 4.75  | 4.00  | 4.40  | 1B44-1610                                                        | 1610 | A-1  | 0    | 1     | 3.8  | 2B44-1610          | 1610 | A-1  | 3/4 | 1     | 3.9  |
| 4.95  | 4.20  | 4.60  | 1B46-1610                                                        | 1610 | A-1  | 0    | 1     | 4.0  | 2B46-1610          | 1610 | A-1  | 3/4 | 1     | 4.5  |
| 5.15  | 4.40  | 4.80  | 1B48-1610                                                        | 1610 | A-1  | 0    | 1     | 4.5  | 2B48-1610          | 1610 | A-1  | 3/4 | 1     | 5.3  |
| 5.35  | 4.60  | 5.00  | 1B50-1610                                                        | 1610 | A-1  | 0    | 1     | 4.8  | 2B50-1610          | 1610 | A-1  | 3/4 | 1     | 5.6  |
| 5.55  | 4.80  | 5.20  | 1B52-1610                                                        | 1610 | A-1  | 0    | 1     | 5.0  | 2B52-1610          | 1610 | A-1  | 3/4 | 1     | 6.1  |
| 5.75  | 5.00  | 5.40  | 1B54-1610                                                        | 1610 | A-1  | 0    | 1     | 5.5  | 2B54-1610          | 1610 | A-1  | 3/4 | 1     | 6.5  |
| 5.95  | 5.20  | 5.60  | 1B56-1610                                                        | 1610 | A-1  | 0    | 1     | 6.0  | 2B56-1610          | 1610 | A-1  | 3/4 | 1     | 7.4  |
| 6.15  | 5.40  | 5.80  | 1B58-1610                                                        | 1610 | A-1  | 0    | 1     | 6.3  | 2B58-1610          | 1610 | A-1  | 3/4 | 1     | 8.0  |
| 6.35  | 5.60  | 6.00  | 1B60-1610                                                        | 1610 | A-1  | 0    | 1     | 6.7  | 2B60-1610          | 1610 | A-1  | 3/4 | 1     | 8.9  |
| 6.55  | 5.80  | 6.20  | 1B62-1610                                                        | 1610 | A-1  | 0    | 1     | 7.0  | 2B62-1610          | 1610 | A-1  | 3/4 | 1     | 7.6  |
| 6.75  | 6.00  | 6.40  | 1B64-1610                                                        | 1610 | A-1  | 0    | 1     | 8.0  | 2B64-1610          | 1610 | A-1  | 3/4 | 1     | 7.8  |
| 6.95  | 6.20  | 6.60  | 1B66-1610                                                        | 1610 | A-1  | 0    | 1     | 8.5  | 2B66-1610          | 1610 | A-1  | 3/4 | 1     | 8.3  |
| 7.15  | 6.40  | 6.80  | 1B68-1610                                                        | 1610 | A-1  | 0    | 1     | 9.0  | 2B68-1610          | 1610 | A-1  | 3/4 | 1     | 8.8  |
| 7.75  | 7.00  | 7.40  | 1B74-2517                                                        | 2517 | E-1  | 0    | 1 3/4 | 9.4  | 2B74-2517          | 2517 | A-1  | 0   | 1 3/4 | 11.5 |
| 8.95  | 8.20  | 8.60  | 1B86-2517                                                        | 2517 | E-2  | 0    | 1 3/4 | 12.0 | 2B86-2517          | 2517 | A-2  | 0   | 1 3/4 | 16.0 |
| 9.75  | 9.00  | 9.40  | 1B94-2517                                                        | 2517 | E-2  | 0    | 1 3/4 | 14.0 | 2B94-2517          | 2517 | A-2  | 0   | 1 3/4 | 15.5 |
| 11.35 | 10.60 | 11.00 | 1B110-2517                                                       | 2517 | E-3  | 0    | 1 3/4 | 18.0 | 2B110-2517         | 2517 | A-3  | 0   | 1 3/4 | 18.9 |
| 12.75 | 12.00 | 12.40 | 1B124-2517                                                       | 2517 | F-3  | 1/4  | 1 3/4 | 18.5 | 2B124-2517         | 2517 | A-3  | 0   | 1 3/4 | 21.1 |
| 15.75 | 15.00 | 15.40 | 1B154-2517                                                       | 2517 | F-3  | 1/4  | 1 3/4 | 19.0 | 2B154-2517         | 2517 | A-3  | 0   | 1 3/4 | 24.8 |
| 18.75 | 18.00 | 18.40 | 1B184-2517                                                       | 2517 | F-3  | 3/16 | 1 3/4 | 24.0 | 2B184-2517         | 2517 | A-3  | 0   | 1 3/4 | 32.3 |
| 20.35 | 19.60 | 20.00 |                                                                  |      |      |      |       |      | 2B200-3020         | 3020 | F-3  | 0   | 2     | 42.3 |
| 25.35 | 24.60 | 25.00 |                                                                  |      |      |      |       |      | 2B250-3020         | 3020 | F-3  | 0   | 2     | 50.3 |
| 30.35 | 29.60 | 30.00 |                                                                  |      |      |      |       |      | 2B300-3020         | 3020 | F-3  | 0   | 2     | 68.8 |

**Note:** Cast iron sheaves may not exceed 6500 FPM. This speed **DOES NOT** specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

# TB Bushing Sheaves

Cast Iron Sheaves - Heavy Duty  
Bushed, **Three and Four Groove**  
A-B TB Sheaves  
Order part number size  
Example: 3B34-1210

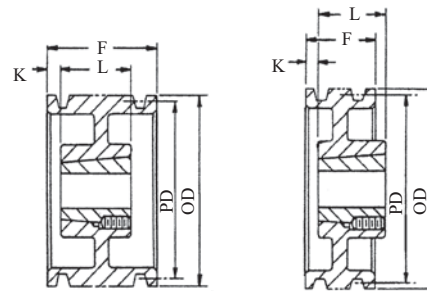
For A, AX, B & BX V-Belts.  
See pages 102-108.  
Order TB bushings separately  
Stock Bushings Located  
on Pages 87-88.



Type 1  
Solid

Type 2  
Web

Type 3  
Spoke



Type A

Type E

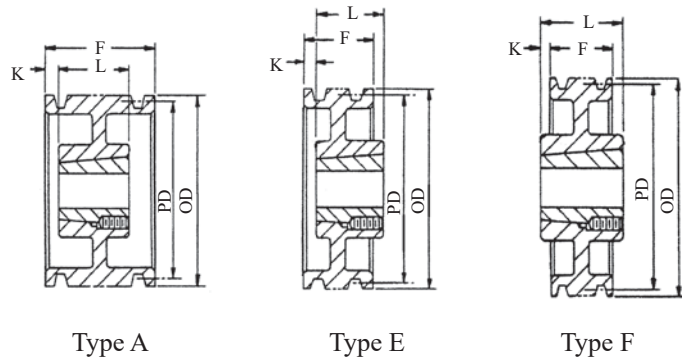
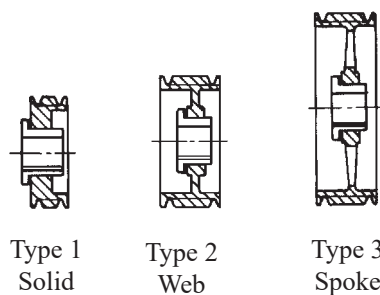
| P.D.  |       |       | 3 Groove F = 2 1/2 |      |      |       |       |       | 4 Groove F = 3 1/4 |      |      |       |       |       |
|-------|-------|-------|--------------------|------|------|-------|-------|-------|--------------------|------|------|-------|-------|-------|
| O.D.  | A     | B     | Part No.           | Bush | Type | K     | L     | WT.   | Part No.           | Bush | Type | K     | L     | WT.   |
| 3.75  | 3.00  | 3.40  | <b>3B34-1210</b>   | 1210 | A-1  | 1 1/2 | 1     | 3.0   | <b>4B34-1210</b>   | 1210 | A-1  | 2 1/4 | 1     | 3.0   |
| 3.95  | 3.20  | 3.60  | <b>3B36-1210</b>   | 1210 | A-1  | 1 1/2 | 1     | 3.5   | <b>4B36-1210</b>   | 1210 | A-1  | 2 1/4 | 1     | 3.5   |
| 4.15  | 3.40  | 3.80  | <b>3B38-1610</b>   | 1610 | A-1  | 1 1/2 | 1     | 4.0   | <b>4B38-1610</b>   | 1610 | A-1  | 2 1/4 | 1     | 4.0   |
| 4.35  | 3.60  | 4.00  | <b>3B40-1610</b>   | 1610 | A-1  | 1 1/2 | 1     | 5.0   | <b>4B40-1610</b>   | 1610 | A-1  | 2 1/4 | 1     | 5.0   |
| 4.55  | 3.80  | 4.20  | <b>3B42-1610</b>   | 1610 | A-1  | 1 1/2 | 1     | 6.0   | <b>4B42-1610</b>   | 1610 | A-1  | 2 1/4 | 1     | 5.5   |
| 4.75  | 4.00  | 4.40  | <b>3B44-1610</b>   | 1610 | A-1  | 1 1/2 | 1     | 6.5   | <b>4B44-1610</b>   | 1610 | A-1  | 2 1/4 | 1     | 6.0   |
| 4.95  | 4.20  | 4.60  | <b>3B46-1610</b>   | 1610 | A-1  | 1 1/2 | 1     | 7.0   | <b>4B46-1610</b>   | 1610 | A-1  | 2 1/4 | 1     | 7.0   |
| 5.15  | 4.40  | 4.80  | <b>3B48-1610</b>   | 1610 | A-1  | 1 1/2 | 1     | 8.0   | <b>4B48-1610</b>   | 1610 | A-1  | 2 1/4 | 1     | 8.0   |
| 5.35  | 4.60  | 5.00  | <b>3B50-1610</b>   | 1610 | A-1  | 1 1/2 | 1     | 8.5   | <b>4B50-2517</b>   | 2517 | A-1  | 1 1/2 | 1 3/4 | 8.5   |
| 5.55  | 4.80  | 5.20  | <b>3B52-1610</b>   | 1610 | A-1  | 1 1/2 | 1     | 9.0   | <b>4B52-2517</b>   | 2517 | A-1  | 1 1/2 | 1 3/4 | 9.0   |
| 5.75  | 5.00  | 5.40  | <b>3B54-2517</b>   | 2517 | A-1  | 1 1/2 | 1 3/4 | 9.5   | <b>4B54-2517</b>   | 2517 | A-1  | 1 1/2 | 1 3/4 | 9.5   |
| 5.95  | 5.20  | 5.60  | <b>3B56-2517</b>   | 2517 | A-1  | 1 1/2 | 1 3/4 | 10.0  | <b>4B56-2517</b>   | 2517 | A-1  | 1 1/2 | 1 3/4 | 10.0  |
| 6.15  | 5.40  | 5.80  | <b>3B58-2517</b>   | 2517 | A-1  | 3/4   | 1 3/4 | 10.5  | <b>4B58-2517</b>   | 2517 | A-1  | 1 1/2 | 1 3/4 | 12.0  |
| 6.35  | 5.60  | 6.00  | <b>3B60-2517</b>   | 2517 | A-1  | 3/4   | 1 3/4 | 11.0  | <b>4B60-2517</b>   | 2517 | A-1  | 1 1/2 | 1 3/4 | 12.5  |
| 6.55  | 5.80  | 6.20  | <b>3B62-2517</b>   | 2517 | A-1  | 3/4   | 1 3/4 | 11.5  | <b>4B62-2517</b>   | 2517 | A-1  | 1 1/2 | 1 3/4 | 13.0  |
| 6.75  | 6.00  | 6.40  | <b>3B64-2517</b>   | 2517 | A-1  | 3/4   | 1 3/4 | 12.0  | <b>4B64-2517</b>   | 2517 | A-1  | 1 1/2 | 1 3/4 | 14.0  |
| 6.95  | 6.20  | 6.60  | <b>3B66-2517</b>   | 2517 | A-1  | 3/4   | 1 3/4 | 12.3  | <b>4B66-2517</b>   | 2517 | A-1  | 1 1/2 | 1 3/4 | 15.0  |
| 7.15  | 6.40  | 6.80  | <b>3B68-2517</b>   | 2517 | A-1  | 3/4   | 1 3/4 | 12.8  | <b>4B68-2517</b>   | 2517 | A-1  | 1 1/2 | 1 3/4 | 16.0  |
| 7.75  | 7.00  | 7.40  | <b>3B74-2517</b>   | 2517 | A-1  | 3/4   | 1 3/4 | 16.0  | <b>4B74-2517</b>   | 2517 | A-1  | 1 1/2 | 1 3/4 | 20.0  |
| 8.95  | 8.20  | 8.60  | <b>3B86-2517</b>   | 2517 | A-2  | 3/4   | 1 3/4 | 19.0  | <b>4B86-2517</b>   | 2517 | A-2  | 1 1/2 | 1 3/4 | 21.0  |
| 9.75  | 9.00  | 9.40  | <b>3B94-2517</b>   | 2517 | A-2  | 3/4   | 1 3/4 | 21.0  | <b>4B94-2517</b>   | 2517 | A-2  | 1 1/2 | 1 3/4 | 23.0  |
| 11.35 | 10.60 | 11.00 | <b>3B110-2517</b>  | 2517 | A-3  | 3/4   | 1 3/4 | 24.0  | <b>4B110-2517</b>  | 2517 | A-3  | 1 1/2 | 1 3/4 | 28.0  |
| 12.75 | 12.00 | 12.40 | <b>3B124-2517</b>  | 2517 | A-3  | 0     | 1 3/4 | 28.0  | <b>4B124-2517</b>  | 2517 | A-3  | 3/8   | 1 3/4 | 34.0  |
| 15.75 | 15.00 | 15.40 | <b>3B154-2517</b>  | 2517 | A-3  | 0     | 1 3/4 | 30.0  | <b>4B154-2517</b>  | 2517 | A-3  | 3/8   | 1 3/4 | 42.0  |
| 18.75 | 18.00 | 18.40 | <b>3B184-2517</b>  | 2517 | A-3  | 0     | 1 3/4 | 44.0  | <b>4B184-2517</b>  | 2517 | A-3  | 1/2   | 1 3/4 | 53.0  |
| 20.35 | 19.60 | 20.00 | <b>3B200-3020</b>  | 3020 | A-3  | 0     | 2     | 58.0  | <b>4B200-3030</b>  | 3030 | A-3  | 1/2   | 3     | 63.0  |
| 25.35 | 24.60 | 25.00 | <b>3B250-3020</b>  | 3020 | A-3  | 0     | 2     | 74.0  | <b>4B250-3030</b>  | 3030 | A-3  | 0     | 3     | 80.0  |
| 30.35 | 29.60 | 30.00 | <b>3B300-3020</b>  | 3020 | A-3  | 0     | 2     | 84.0  | <b>4B300-3030</b>  | 3030 | A-3  | 0     | 3     | 100.0 |
| 38.35 | 37.60 | 38.00 | <b>3B380-3020</b>  | 3020 | E-3  | 0     | 2     | 135.0 | <b>4B380-3030</b>  | 3030 | A-3  | 0     | 3     | 142.0 |

**Note:** Cast iron sheaves may not exceed 6500 FPM. This speed **DOES NOT** specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

Cast Iron Sheaves - **Heavy Duty**  
Bushed, **One and Two Groove**  
3V TB Sheaves  
Order part number size  
Example: 1/3V265-1108



**For 3V & 3VX V-Belts.**  
**See pages 113-114**  
**Order TB bushings separately**  
**Stock Bushings Located**  
**on Pages 87-88.**

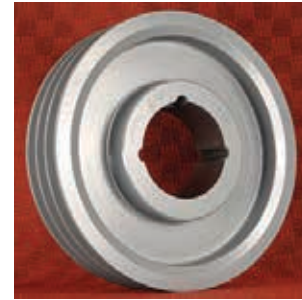


| Diameters |       | 1 Groove F = 11/16<br>1/3V 800-2517 & 1/3V1060-2517 F=3/4<br>1/3V1400-2517 & 1/3V1900-3020 F=13/16 |      |      |      |       |      | 2 Groove F = 1 3/32 |      |      |      |       |      |
|-----------|-------|----------------------------------------------------------------------------------------------------|------|------|------|-------|------|---------------------|------|------|------|-------|------|
| O.D.      | P.D.  | Part No.                                                                                           | Bush | Type | K    | L     | WT.  | Part No.            | Bush | Type | K    | L     | WT.  |
| 2.65      | 2.60  | 1/3V265-1108                                                                                       | 1108 | F-1  | 3/16 | 7/8   | .8   | 2/3V265-1108        | 1108 | A-1  | 7/32 | 7/8   | .8   |
| 2.80      | 2.75  | 1/3V280-1108                                                                                       | 1108 | F-1  | 3/16 | 7/8   | .9   | 2/3V280-1108        | 1108 | A-1  | 7/32 | 7/8   | .9   |
| 3.00      | 2.95  | 1/3V300-1108                                                                                       | 1108 | F-1  | 3/16 | 7/8   | 1.0  | 2/3V300-1210        | 1210 | A-1  | 3/32 | 1     | 1.4  |
| 3.15      | 3.10  | 1/3V315-1108                                                                                       | 1108 | F-1  | 3/16 | 7/8   | 1.3  | 2/3V315-1210        | 1210 | A-1  | 3/32 | 1     | 1.6  |
| 3.35      | 3.30  | 1/3V335-1610                                                                                       | 1610 | E-1  | 0    | 1     | 1.5  | 2/3V335-1610        | 1610 | A-1  | 3/32 | 1     | 1.7  |
| 3.65      | 3.60  | 1/3V365-1610                                                                                       | 1610 | E-1  | 0    | 1     | 2.0  | 2/3V365-1610        | 1610 | A-1  | 3/32 | 1     | 2.0  |
| 4.12      | 4.07  | 1/3V412-1610                                                                                       | 1610 | E-1  | 0    | 1     | 2.3  | 2/3V412-1610        | 1610 | A-1  | 3/32 | 1     | 2.1  |
| 4.50      | 4.45  | 1/3V450-1610                                                                                       | 1610 | E-1  | 0    | 1     | 3.0  | 2/3V450-1610        | 1610 | A-1  | 3/32 | 1     | 2.7  |
| 4.75      | 4.70  | 1/3V475-1610                                                                                       | 1610 | E-1  | 0    | 1     | 3.3  | 2/3V475-1610        | 1610 | A-1  | 3/32 | 1     | 3.0  |
| 5.00      | 4.95  | 1/3V500-1610                                                                                       | 1610 | E-1  | 0    | 1     | 3.5  | 2/3V500-1610        | 1610 | A-1  | 3/32 | 1     | 4.0  |
| 5.30      | 5.25  | 1/3V530-1610                                                                                       | 1610 | E-1  | 0    | 1     | 3.8  | 2/3V530-1610        | 1610 | A-1  | 3/32 | 1     | 5.0  |
| 5.60      | 5.55  | 1/3V560-1610                                                                                       | 1610 | E-2  | 0    | 1     | 4.0  | 2/3V560-1610        | 1610 | A-2  | 3/32 | 1     | 6.0  |
| 6.00      | 5.95  | 1/3V600-1610                                                                                       | 1610 | E-2  | 0    | 1     | 5.0  | 2/3V600-1610        | 1610 | A-2  | 3/32 | 1     | 7.0  |
| 6.50      | 6.45  | 1/3V650-1610                                                                                       | 1610 | E-2  | 0    | 1     | 6.0  | 2/3V650-1610        | 1610 | A-2  | 3/32 | 1     | 8.0  |
| 6.90      | 6.85  | 1/3V690-1610                                                                                       | 1610 | E-2  | 0    | 1     | 7.0  | 2/3V690-1610        | 1610 | A-2  | 3/32 | 1     | 9.0  |
| 8.00      | 7.95  | 1/3V800-2517                                                                                       | 2517 | E-2  | 0    | 1 3/4 | 9.0  | 2/3V800-2517        | 2517 | E-2  | 0    | 1 3/4 | 10.0 |
| 10.60     | 10.55 | 1/3V1060-2517                                                                                      | 2517 | E-3  | 0    | 1 3/4 | 13.0 | 2/3V1060-2517       | 2517 | E-3  | 0    | 1 3/4 | 14.0 |
| 14.00     | 13.95 | 1/3V1400-2517                                                                                      | 2517 | E-3  | 0    | 1 3/4 | 15.0 | 2/3V1400-2517       | 2517 | E-3  | 0    | 1 3/4 | 18.0 |
| 19.00     | 18.95 | 1/3V1900-3020                                                                                      | 3020 | E-3  | 0    | 2     | 27.0 | 2/3V1900-3020       | 3020 | E-3  | 0    | 2     | 32.0 |
| 25.00     | 24.95 |                                                                                                    |      |      |      |       |      | 2/3V2500-3020       | 3020 | F-3  | 1/8  | 2     | 45.0 |

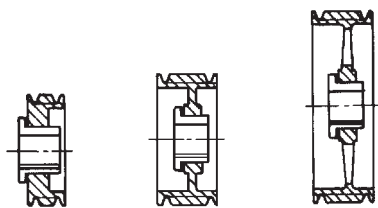
**Note:** Cast iron sheaves may not exceed 6500 FPM.  
This speed **DOES NOT** specify if dynamic balancing  
(2 plane) is required. Contact customer service to  
verify whether dynamic balancing is required.

# TB Bushing Sheaves

Cast Iron Sheaves - **Heavy Duty**  
Bushed, **Three and Four Groove**  
3V TB Sheaves  
Order part number size  
Example: 3/3V265-1108



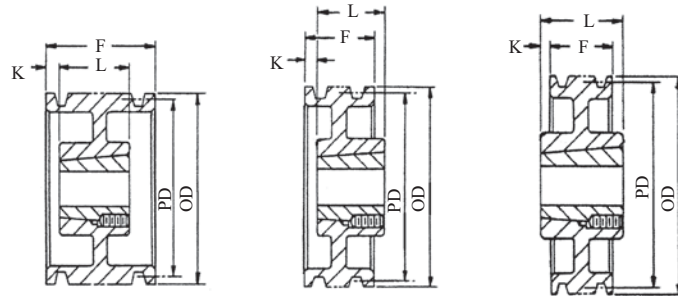
**For 3V & 3VX V-Belts.**  
**See pages 113-114**  
**Order TB bushings separately**  
**Stock Bushings Located**  
**on Pages 87-88.**



Type 1  
Solid

Type 2  
Web

Type 3  
Spoke



Type A

Type E

Type F

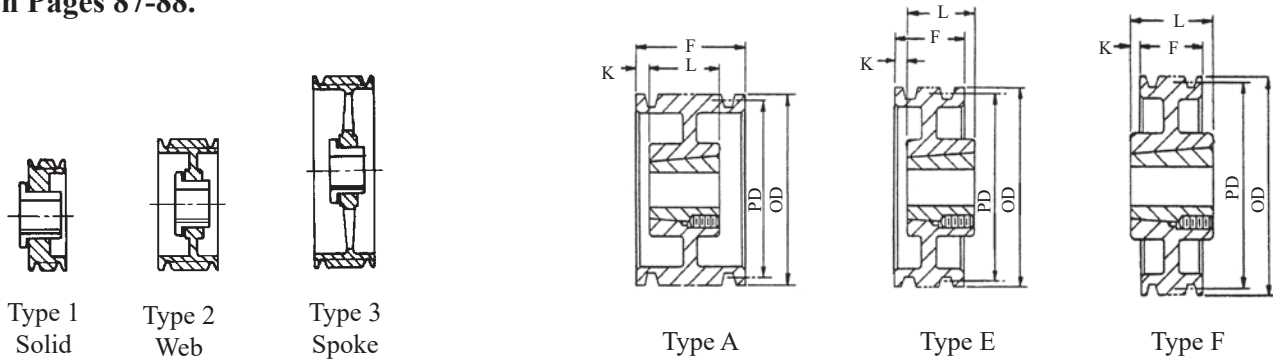
| Diameters |       | 3 Groove F = 1 1/2 |      |      |     |       |      | 4 Groove F = 1 29/32 |      |      |        |       |      |
|-----------|-------|--------------------|------|------|-----|-------|------|----------------------|------|------|--------|-------|------|
| O.D.      | P.D.  | Part No.           | Bush | Type | K   | L     | WT.  | Part No.             | Bush | Type | K      | L     | WT.  |
| 2.65      | 2.60  | 3/3V265-1108       | 1108 | A-1  | 5/8 | 7/8   | 1.0  | 4/3V265-1108         | 1108 | A-1  | 1 1/32 | 7/8   | 1.2  |
| 2.80      | 2.75  | 3/3V280-1108       | 1108 | A-1  | 5/8 | 7/8   | 1.1  | 4/3V280-1108         | 1108 | A-1  | 1 1/32 | 7/8   | 1.3  |
| 3.00      | 2.95  | 3/3V300-1210       | 1210 | A-1  | 1/2 | 1     | 1.8  | 4/3V300-1210         | 1210 | A-1  | 29/32  | 1     | 2.1  |
| 3.15      | 3.10  | 3/3V315-1210       | 1210 | A-1  | 1/2 | 1     | 2.0  | 4/3V315-1210         | 1210 | A-1  | 29/32  | 1     | 2.2  |
| 3.35      | 3.30  | 3/3V335-1610       | 1610 | A-1  | 1/2 | 1     | 2.3  | 4/3V335-1610         | 1610 | A-1  | 29/32  | 1     | 2.4  |
| 3.65      | 3.60  | 3/3V365-1610       | 1610 | A-1  | 1/2 | 1     | 2.6  | 4/3V365-1610         | 1610 | A-1  | 29/32  | 1     | 2.8  |
| 4.12      | 4.07  | 3/3V412-1610       | 1610 | A-1  | 1/2 | 1     | 3.0  | 4/3V412-1610         | 1610 | A-1  | 29/32  | 1     | 3.0  |
| 4.50      | 4.45  | 3/3V450-1610       | 1610 | A-1  | 1/2 | 1     | 3.2  | 4/3V450-1610         | 1610 | A-1  | 29/32  | 1     | 4.0  |
| 4.75      | 4.70  | 3/3V475-1610       | 1610 | A-1  | 1/2 | 1     | 4.0  | 4/3V475-1610         | 1610 | A-1  | 29/32  | 1     | 5.0  |
| 5.00      | 4.95  | 3/3V500-1610       | 1610 | A-1  | 1/2 | 1     | 4.5  | 4/3V500-1610         | 1610 | A-1  | 29/32  | 1     | 5.5  |
| 5.30      | 5.25  | 3/3V530-1610       | 1610 | A-1  | 1/2 | 1     | 5.0  | 4/3V530-1610         | 1610 | A-1  | 29/32  | 1     | 6.0  |
| 5.60      | 5.55  | 3/3V560-1610       | 1610 | A-1  | 1/2 | 1     | 6.0  | 4/3V560-1610         | 1610 | A-1  | 29/32  | 1     | 7.0  |
| 6.00      | 5.95  | 3/3V600-2517       | 2517 | E-1  | 0   | 1 3/4 | 7.0  | 4/3V600-2517         | 2517 | A-1  | 5/32   | 1 3/4 | 8.0  |
| 6.50      | 6.45  | 3/3V650-2517       | 2517 | E-1  | 0   | 1 3/4 | 9.0  | 4/3V650-2517         | 2517 | A-1  | 5/32   | 1 3/4 | 10.0 |
| 6.90      | 6.85  | 3/3V690-2517       | 2517 | E-1  | 0   | 1 3/4 | 10.0 | 4/3V690-2517         | 2517 | A-1  | 5/32   | 1 3/4 | 12.0 |
| 8.00      | 7.95  | 3/3V800-2517       | 2517 | E-2  | 0   | 1 3/4 | 15.0 | 4/3V800-2517         | 2517 | A-2  | 5/32   | 1 3/4 | 18.0 |
| 10.60     | 10.55 | 3/3V1060-2517      | 2517 | E-3  | 0   | 1 3/4 | 18.0 | 4/3V1060-2517        | 2517 | A-2  | 5/32   | 1 3/4 | 19.0 |
| 14.00     | 13.95 | 3/3V1400-2517      | 2517 | E-3  | 0   | 1 3/4 | 20.0 | 4/3V1400-2517        | 2517 | A-3  | 0      | 1 3/4 | 22.0 |
| 19.00     | 18.95 | 3/3V1900-3020      | 3020 | E-3  | 0   | 2     | 36.0 | 4/3V1900-3020        | 3020 | E-3  | 0      | 2     | 45.0 |
| 25.00     | 24.95 | 3/3V2500-3020      | 3020 | E-3  | 0   | 2     | 47.0 | 4/3V2500-3020        | 3020 | E-3  | 0      | 2     | 63.0 |
| 33.50     | 33.45 | 3/3V3350-3020      | 3020 | F-3  | 1/4 | 2     | 76.0 | 4/3V3350-3030        | 3030 | F-3  | 35/64  | 3     | 80.0 |

**Note:** Cast iron sheaves may not exceed 6500 FPM.  
This speed **DOES NOT** specify if dynamic balancing  
(2 plane) is required. Contact customer service to  
verify whether dynamic balancing is required.



Cast Iron Sheaves - **Heavy Duty**  
Bushed, **Five and Six Groove**  
3V TB Sheaves  
Order part number size  
Example: 5/3V475-2517

**For 3V & 3VX V-Belts.**  
**See pages 113-114**  
**Order TB bushings separately**  
**Stock Bushings Located**  
**on Pages 87-88.**



| Diameters |       | 5 Groove F = 2 5/16 |      |      |       |       |      | 6 Groove F = 2 23/32 |      |      |       |       |       |
|-----------|-------|---------------------|------|------|-------|-------|------|----------------------|------|------|-------|-------|-------|
| O.D.      | P.D.  | Part No.            | Bush | Type | K     | L     | WT.  | Part No.             | Bush | Type | K     | L     | WT.   |
| 4.75      | 4.70  | 5/3V475-2517        | 2517 | A-1  | 9/16  | 1 3/4 | 4.0  | 6/3V475-2517         | 2517 | A-1  | 31/32 | 1 3/4 | 4.4   |
| 5.00      | 4.95  | 5/3V500-2517        | 2517 | A-1  | 9/16  | 1 3/4 | 4.8  | 6/3V500-2517         | 2517 | A-1  | 31/32 | 1 3/4 | 5.4   |
| 5.30      | 5.25  | 5/3V530-2517        | 2517 | A-1  | 9/16  | 1 3/4 | 5.9  | 6/3V530-2517         | 2517 | A-1  | 31/32 | 1 3/4 | 6.5   |
| 5.60      | 5.55  | 5/3V560-2517        | 2517 | A-1  | 9/16  | 1 3/4 | 7.0  | 6/3V560-2517         | 2517 | A-1  | 31/32 | 1 3/4 | 7.7   |
| 6.00      | 5.95  | 5/3V600-2517        | 2517 | A-1  | 9/16  | 1 3/4 | 8.0  | 6/3V600-2517         | 2517 | A-1  | 31/32 | 1 3/4 | 9.5   |
| 6.50      | 6.45  | 5/3V650-2517        | 2517 | A-1  | 9/16  | 1 3/4 | 11.0 | 6/3V650-2517         | 2517 | A-1  | 31/32 | 1 3/4 | 12.0  |
| 6.90      | 6.85  | 5/3V690-2517        | 2517 | A-1  | 9/16  | 1 3/4 | 13.0 | 6/3V690-2517         | 2517 | A-1  | 31/32 | 1 3/4 | 13.0  |
| 8.00      | 7.95  | 5/3V800-2517        | 2517 | A-2  | 9/16  | 1 3/4 | 19.0 | 6/3V800-2517         | 2517 | A-2  | 31/32 | 1 3/4 | 20.0  |
| 10.60     | 10.55 | 5/3V1060-2517       | 2517 | A-2  | 9/16  | 1 3/4 | 21.0 | 6/3V1060-2517        | 2517 | A-2  | 31/32 | 1 3/4 | 21.0  |
| 14.00     | 13.95 | 5/3V1400-2517       | 2517 | A-3  | 0     | 1 3/4 | 30.0 | 6/3V1400-2517        | 2517 | A-3  | 0     | 1 3/4 | 30.0  |
| 19.00     | 18.95 | 5/3V1900-3020       | 3020 | E-3  | 0     | 2     | 51.0 | 6/3V1900-3020        | 3020 | E-3  | 0     | 2     | 51.0  |
| 25.00     | 24.95 | 5/3V2500-3030       | 3030 | E-3  | 0     | 2     | 76.0 | 6/3V2500-3030        | 3030 | E-3  | 0     | 2     | 81.0  |
| 33.50     | 33.45 | 5/3V3350-3030       | 3030 | F-3  | 11/32 | 3     | 97.0 | 6/3V3350-3030        | 3030 | F-3  | 9/64  | 3     | 110.0 |

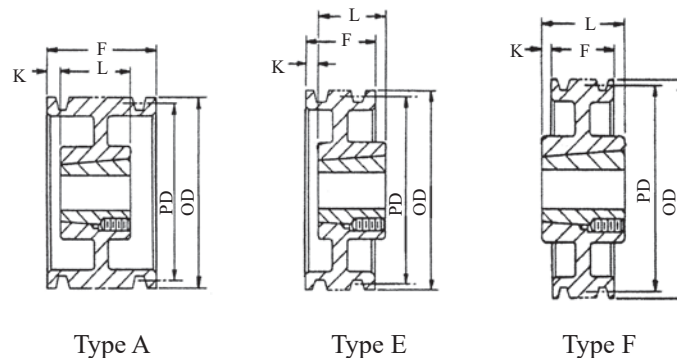
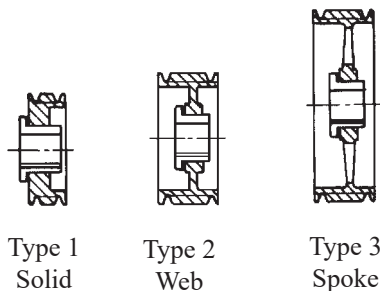
**Note:** Cast iron sheaves may not exceed 6500 FPM.  
This speed **DOES NOT** specify if dynamic balancing  
(2 plane) is required. Contact customer service to  
verify whether dynamic balancing is required.

# TB Bushing Sheaves

Cast Iron Sheaves - **Heavy Duty**  
Bushed, **Two and Three Groove**  
5V TB Sheaves

Order part number size  
Example: 2/5V440-1610

**For 5V & 5VX V-Belts.**  
**See pages 113, 115 & 116.**  
**Order TB bushings separately**  
**Stock Bushings Located**  
**on Pages 87-88.**



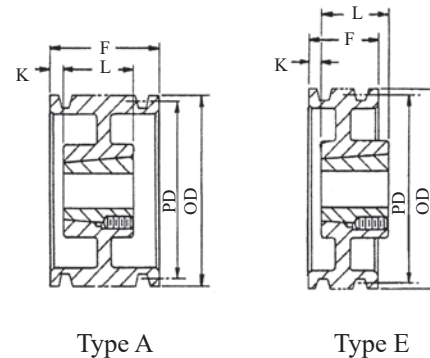
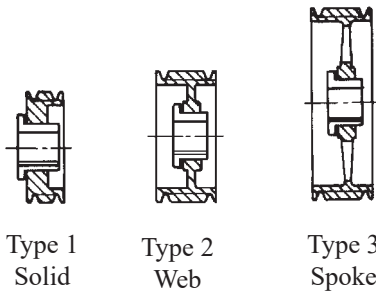
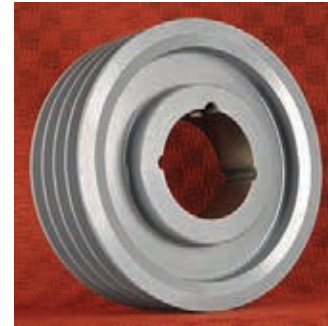
| Diameters |       | 2 Groove F = 1 11/16 |      |      |       |       |      | 3 Groove F = 2 3/8 |      |      |       |       |       |
|-----------|-------|----------------------|------|------|-------|-------|------|--------------------|------|------|-------|-------|-------|
| O.D.      | P.D.  | Part No.             | Bush | Type | K     | L     | WT.  | Part No.           | Bush | Type | K     | L     | WT.   |
| 4.40      | 4.30  | 2/5V440-1610         | 1610 | A-1  | 11/16 | 1     | 3.0  | 3/5V440-1610       | 1610 | A-1  | 1 3/8 | 1     | 4.0   |
| 4.65      | 4.55  | 2/5V465-1610         | 1610 | A-1  | 11/16 | 1     | 3.0  | 3/5V465-1610       | 1610 | A-1  | 1 3/8 | 1     | 5.0   |
| 4.90      | 4.80  | 2/5V490-1610         | 1610 | A-1  | 11/16 | 1     | 4.0  | 3/5V490-1610       | 1610 | A-1  | 1 3/8 | 1     | 5.0   |
| 5.20      | 5.10  | 2/5V520-1610         | 1610 | A-1  | 11/16 | 1     | 4.0  | 3/5V520-1610       | 1610 | A-1  | 1 3/8 | 1     | 6.0   |
| 5.50      | 5.40  | 2/5V550-1610         | 1610 | A-1  | 11/16 | 1     | 5.0  | 3/5V550-1610       | 1610 | A-1  | 1 1/8 | 1     | 6.0   |
| 5.90      | 5.80  | 2/5V590-1610         | 1610 | A-1  | 11/16 | 1     | 6.0  | 3/5V590-2517       | 2517 | A-1  | 5/8   | 1 3/4 | 7.0   |
| 6.30      | 6.20  | 2/5V630-1610         | 1610 | A-1  | 11/16 | 1     | 7.0  | 3/5V630-2517       | 2517 | A-1  | 5/8   | 1 3/4 | 9.0   |
| 6.70      | 6.60  | 2/5V670-1610         | 1610 | A-1  | 11/16 | 1     | 9.0  | 3/5V670-2517       | 2517 | A-1  | 5/8   | 1 3/4 | 10.0  |
| 7.10      | 7.00  | 2/5V710-2517         | 2517 | E-1  | 0     | 1 3/4 | 10.0 | 3/5V710-2517       | 2517 | A-1  | 5/8   | 1 3/4 | 13.0  |
| 7.50      | 7.40  | 2/5V750-2517         | 2517 | E-1  | 0     | 1 3/4 | 12.0 | 3/5V750-2517       | 2517 | A-1  | 5/8   | 1 3/4 | 15.0  |
| 8.00      | 7.90  | 2/5V800-2517         | 2517 | E-2  | 0     | 1 3/4 | 14.0 | 3/5V800-2517       | 2517 | A-2  | 5/8   | 1 3/4 | 18.0  |
| 8.50      | 8.40  | 2/5V850-2517         | 2517 | E-2  | 0     | 1 3/4 | 13.0 | 3/5V850-2517       | 2517 | A-2  | 5/8   | 1 3/4 | 20.0  |
| 9.00      | 8.90  | 2/5V900-2517         | 2517 | E-2  | 0     | 1 3/4 | 16.0 | 3/5V900-2517       | 2517 | A-2  | 5/8   | 1 3/4 | 20.0  |
| 9.25      | 9.15  | 2/5V925-3020         | 3020 | E-2  | 0     | 2     | 17.0 | 3/5V925-3020       | 3020 | A-2  | 0     | 2     | 21.0  |
| 9.75      | 9.65  | 2/5V975-3020         | 3020 | E-2  | 0     | 2     | 19.0 | 3/5V975-3020       | 3020 | A-2  | 0     | 2     | 24.0  |
| 10.30     | 10.20 | 2/5V1030-3020        | 3020 | E-2  | 0     | 2     | 22.0 | 3/5V1030-3020      | 3020 | A-2  | 0     | 2     | 25.0  |
| 10.90     | 10.80 | 2/5V1090-3020        | 3020 | E-2  | 0     | 2     | 24.0 | 3/5V1090-3020      | 3020 | A-2  | 0     | 2     | 27.0  |
| 11.30     | 11.20 | 2/5V1130-3020        | 3020 | E-2  | 0     | 2     | 25.0 | 3/5V1130-3020      | 3020 | A-2  | 0     | 2     | 28.0  |
| 11.80     | 11.70 | 2/5V1180-3020        | 3020 | E-2  | 0     | 2     | 26.0 | 3/5V1180-3020      | 3020 | A-2  | 0     | 2     | 29.0  |
| 12.50     | 12.40 | 2/5V1250-3020        | 3020 | E-2  | 0     | 2     | 28.0 | 3/5V1250-3020      | 3020 | A-2  | 0     | 2     | 32.0  |
| 13.20     | 13.10 | 2/5V1320-3020        | 3020 | E-3  | 0     | 2     | 21.0 | 3/5V1320-3020      | 3020 | A-3  | 0     | 2     | 34.0  |
| 14.00     | 13.90 | 2/5V1400-3020        | 3020 | E-3  | 0     | 2     | 23.0 | 3/5V1400-3020      | 3020 | A-3  | 0     | 2     | 36.0  |
| 15.00     | 14.90 | 2/5V1500-3020        | 3020 | E-3  | 0     | 2     | 26.0 | 3/5V1500-3020      | 3020 | A-3  | 0     | 2     | 36.0  |
| 16.00     | 15.90 | 2/5V1600-3020        | 3020 | E-3  | 0     | 2     | 28.0 | 3/5V1600-3020      | 3020 | A-3  | 0     | 2     | 38.0  |
| 18.70     | 18.60 | 2/5V1870-3020        | 3020 | E-3  | 0     | 2     | 40.0 | 3/5V1870-3020      | 3020 | A-3  | 0     | 2     | 52.0  |
| 21.20     | 21.10 | 2/5V2120-3535        | 3535 | F-3  | 3/8   | 3 1/2 | 45.0 | 3/5V2120-3535      | 3535 | E-3  | 0     | 3 1/2 | 60.0  |
| 23.60     | 23.50 | 2/5V2360-3535        | 3535 | F-3  | 3/8   | 3 1/2 | 56.0 | 3/5V2360-3535      | 3535 | E-3  | 0     | 3 1/2 | 68.0  |
| 28.00     | 27.90 | 2/5V2800-3535        | 3535 | F-3  | 3/8   | 3 1/2 | 68.0 | 3/5V2800-3535      | 3535 | E-3  | 0     | 3 1/2 | 83.0  |
| 31.50     | 31.40 |                      |      |      |       |       |      | 3/5V3150-3535      | 3535 | E-3  | 0     | 3 1/2 | 96.0  |
| 37.50     | 37.40 |                      |      |      |       |       |      | 3/5V3750-4040      | 4040 | F-3  | 1/2   | 4     | 124.0 |
| 50.00     | 49.90 |                      |      |      |       |       |      | 3/5V5000-4040      | 4040 | F-3  | 1/2   | 4     | 186.0 |

**Note:** Cast iron sheaves may not exceed 6500 FPM.  
This speed **DOES NOT** specify if dynamic balancing  
(2 plane) is required. Contact customer service to  
verify whether dynamic balancing is required.

Cast Iron Sheaves - **Heavy Duty**  
Bushed, **Four and Five Groove**  
5V TB Sheaves

Order part number size  
Example: 4/5V440-1610

**For 5V & 5VX V-Belts.**  
**See pages 113, 115 & 116.**  
**Order TB bushings separately**  
**Stock Bushings Located**  
**on Pages 87-88.**



| Diameters |       | 4 Groove F = 3 1/16 |      |      |         |       |       | 5 Groove F = 3 3/4 |      |      |     |       |       |
|-----------|-------|---------------------|------|------|---------|-------|-------|--------------------|------|------|-----|-------|-------|
| O.D.      | P.D.  | Part No.            | Bush | Type | K       | L     | WT.   | Part No.           | Bush | Type | K   | L     | WT.   |
| 4.40      | 4.30  | 4/5V440-1610        | 1610 | A-1  | 2 1/16  | 1     | 6.0   |                    |      |      |     |       |       |
| 4.65      | 4.55  | 4/5V465-1610        | 1610 | A-1  | 2 1/16  | 1     | 6.0   |                    |      |      |     |       |       |
| 4.90      | 4.80  | 4/5V490-1610        | 1610 | A-1  | 2 1/16  | 1     | 6.0   |                    |      |      |     |       |       |
| 5.20      | 5.10  | 4/5V520-1610        | 1610 | A-1  | 1 13/16 | 1     | 7.0   |                    |      |      |     |       |       |
| 5.50      | 5.40  | 4/5V550-2517        | 2517 | A-1  | 1 5/16  | 1 3/4 | 8.0   |                    |      |      |     |       |       |
| 5.90      | 5.80  | 4/5V590-2517        | 2517 | A-1  | 1 5/16  | 1 3/4 | 10.0  | 5/5V590-2517       | 2517 | A-1  | 3/4 | 1 3/4 | 11.0  |
| 6.30      | 6.20  | 4/5V630-2517        | 2517 | A-1  | 1 5/16  | 1 3/4 | 11.0  | 5/5V630-2517       | 2517 | A-1  | 3/4 | 1 3/4 | 12.0  |
| 6.70      | 6.60  | 4/5V670-2517        | 2517 | A-1  | 1 5/16  | 1 3/4 | 12.0  | 5/5V670-2517       | 2517 | A-1  | 3/4 | 1 3/4 | 13.0  |
| 7.10      | 7.00  | 4/5V710-2517        | 2517 | A-1  | 1 5/16  | 1 3/4 | 15.0  | 5/5V710-3020       | 3020 | A-1  | 1/2 | 2     | 16.0  |
| 7.50      | 7.40  | 4/5V750-2517        | 2517 | A-1  | 1 5/16  | 1 3/4 | 18.0  | 5/5V750-3020       | 3020 | A-1  | 1/2 | 2     | 19.0  |
| 8.00      | 7.90  | 4/5V800-2517        | 2517 | A-1  | 1 5/16  | 1 3/4 | 21.0  | 5/5V800-3020       | 3020 | A-1  | 1/2 | 2     | 22.0  |
| 8.50      | 8.40  | 4/5V850-2517        | 2517 | A-1  | 1 5/16  | 1 3/4 | 20.0  | 5/5V850-3020       | 3020 | A-1  | 1/2 | 2     | 26.0  |
| 9.00      | 8.90  | 4/5V900-2517        | 2517 | A-1  | 1 5/16  | 1 3/4 | 22.0  | 5/5V900-3020       | 3020 | A-1  | 1/2 | 2     | 30.0  |
| 9.25      | 9.15  | 4/5V925-3020        | 3020 | A-2  | 1/2     | 2     | 27.0  | 5/5V925-3020       | 3020 | A-2  | 1/2 | 2     | 31.0  |
| 9.75      | 9.65  | 4/5V975-3020        | 3020 | A-2  | 1/2     | 2     | 31.0  | 5/5V975-3020       | 3020 | A-2  | 1/2 | 2     | 36.0  |
| 10.30     | 10.20 | 4/5V1030-3020       | 3020 | A-2  | 1/2     | 2     | 28.0  | 5/5V1030-3020      | 3020 | A-2  | 1/2 | 2     | 33.0  |
| 10.90     | 10.80 | 4/5V1090-3020       | 3020 | A-2  | 1/2     | 2     | 31.0  | 5/5V1090-3020      | 3020 | A-2  | 1/2 | 2     | 36.0  |
| 11.30     | 11.20 | 4/5V1130-3020       | 3020 | A-2  | 1/2     | 2     | 32.0  | 5/5V1130-3020      | 3020 | A-2  | 1/2 | 2     | 38.0  |
| 11.80     | 11.70 | 4/5V1180-3020       | 3020 | A-2  | 1/2     | 2     | 34.0  | 5/5V1180-3020      | 3020 | A-2  | 1/2 | 2     | 40.0  |
| 12.50     | 12.40 | 4/5V1250-3020       | 3020 | A-2  | 0       | 2     | 40.0  | 5/5V1250-3535      | 3535 | A-2  | 0   | 3 1/2 | 54.0  |
| 13.20     | 13.10 | 4/5V1320-3020       | 3020 | A-2  | 0       | 2     | 42.0  | 5/5V1320-3535      | 3535 | A-2  | 0   | 3 1/2 | 57.0  |
| 14.00     | 13.90 | 4/5V1400-3535       | 3535 | A-3  | 0       | 3 1/2 | 48.0  | 5/5V1400-3535      | 3535 | A-2  | 0   | 3 1/2 | 57.0  |
| 15.00     | 14.90 | 4/5V1500-3535       | 3535 | A-3  | 0       | 3 1/2 | 52.0  | 5/5V1500-3535      | 3535 | A-3  | 0   | 3 1/2 | 65.0  |
| 16.00     | 15.90 | 4/5V1600-3535       | 3535 | A-3  | 0       | 3 1/2 | 53.0  | 5/5V1600-3535      | 3535 | A-3  | 0   | 3 1/2 | 70.0  |
| 18.70     | 18.60 | 4/5V1870-3535       | 3535 | A-3  | 0       | 3 1/2 | 63.0  | 5/5V1870-3535      | 3535 | A-3  | 0   | 3 1/2 | 84.0  |
| 21.20     | 21.10 | 4/5V2120-3535       | 3535 | A-3  | 0       | 3 1/2 | 70.0  | 5/5V2120-4040      | 4040 | E-3  | 0   | 4     | 81.0  |
| 23.60     | 23.50 | 4/5V2360-3535       | 3535 | A-3  | 0       | 3 1/2 | 79.0  | 5/5V2360-4040      | 4040 | E-3  | 0   | 4     | 92.0  |
| 28.00     | 27.90 | 4/5V2800-3535       | 3535 | A-3  | 0       | 3 1/2 | 98.0  | 5/5V2800-4040      | 4040 | E-3  | 0   | 4     | 115.0 |
| 31.50     | 31.40 | 4/5V3150-3535       | 3535 | A-3  | 0       | 3 1/2 | 114.0 | 5/5V3150-4040      | 4040 | E-3  | 0   | 4     | 115.0 |
| 37.50     | 37.40 | 4/5V3750-4040       | 4040 | A-3  | 0       | 4     | 148.0 | 5/5V3750-4040      | 4040 | E-3  | 0   | 4     | 190.0 |
| 50.00     | 49.90 | 4/5V5000-4040       | 4040 | A-3  | 0       | 4     | 243.0 | 5/5V5000-4545      | 4545 | E-3  | 0   | 4 1/2 | 280.0 |

**Note:** Cast iron sheaves may not exceed 6500 FPM.  
This speed **DOES NOT** specify if dynamic balancing  
(2 plane) is required. Contact customer service to  
verify whether dynamic balancing is required.

# TB Bushing Sheaves

Cast Iron Sheaves - **Heavy Duty**

Bushed, **Six Groove**

5V TB Sheaves

Order part number size

Example: 6/5V590-2517

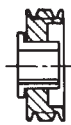
**For 5V & 5VX V-Belts.**

See pages 113, 115 & 116.

**Order TB bushings separately**

**Stock Bushings Located**

**on Pages 87-88.**



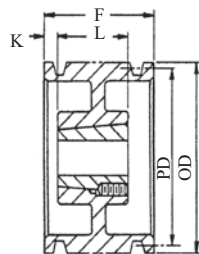
Type 1  
Solid



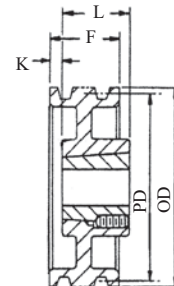
Type 2  
Web



Type 3  
Spoke



Type A



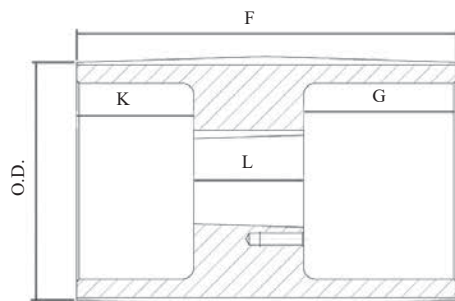
Type E

| Diameters |       | 6 Groove F = 4 7/16 |      |      |     |       |       |
|-----------|-------|---------------------|------|------|-----|-------|-------|
| O.D.      | P.D.  | Part No.            | Bush | Type | K   | L     | WT.   |
| 5.90      | 5.80  | 6/5V590-2517        | 2517 | A-1  | 1   | 1 3/4 | 13.0  |
| 6.30      | 6.20  | 6/5V630-2517        | 2517 | A-1  | 1   | 1 3/4 | 13.0  |
| 6.70      | 6.60  | 6/5V670-2517        | 2517 | A-1  | 1   | 1 3/4 | 15.0  |
| 7.10      | 7.00  | 6/5V710-3020        | 3020 | A-1  | 3/4 | 2     | 18.0  |
| 7.50      | 7.40  | 6/5V750-3020        | 3020 | A-1  | 3/4 | 2     | 21.0  |
| 8.00      | 7.90  | 6/5V800-3020        | 3020 | A-1  | 3/4 | 2     | 24.0  |
| 8.50      | 8.40  | 6/5V850-3020        | 3020 | A-1  | 3/4 | 2     | 28.0  |
| 9.00      | 8.90  | 6/5V900-3020        | 3020 | A-1  | 3/4 | 2     | 32.0  |
| 9.25      | 9.15  | 6/5V925-3535        | 3535 | A-1  | 0   | 3 1/2 | 41.0  |
| 9.75      | 9.65  | 6/5V975-3535        | 3535 | A-1  | 0   | 3 1/2 | 48.0  |
| 10.30     | 10.20 | 6/5V1030-3535       | 3535 | A-1  | 0   | 3 1/2 | 56.0  |
| 10.90     | 10.80 | 6/5V1090-3535       | 3535 | A-1  | 0   | 3 1/2 | 65.0  |
| 11.30     | 11.20 | 6/5V1130-3535       | 3535 | A-1  | 0   | 3 1/2 | 53.0  |
| 11.80     | 11.70 | 6/5V1180-3535       | 3535 | A-2  | 0   | 3 1/2 | 59.0  |
| 12.50     | 12.40 | 6/5V1250-3535       | 3535 | A-2  | 0   | 3 1/2 | 59.0  |
| 13.20     | 13.10 | 6/5V1320-3535       | 3535 | A-2  | 0   | 3 1/2 | 67.0  |
| 14.00     | 13.90 | 6/5V1400-3535       | 3535 | A-3  | 0   | 3 1/2 | 67.0  |
| 15.00     | 14.90 | 6/5V1500-4040       | 4040 | A-3  | 0   | 4     | 82.0  |
| 16.00     | 15.90 | 6/5V1600-4040       | 4040 | A-3  | 0   | 4     | 84.0  |
| 18.70     | 18.60 | 6/5V1870-4040       | 4040 | A-3  | 0   | 4     | 97.0  |
| 21.20     | 21.10 | 6/5V2120-4040       | 4040 | A-3  | 0   | 4     | 91.0  |
| 23.60     | 23.50 | 6/5V2360-4040       | 4040 | A-3  | 0   | 4     | 124.0 |
| 28.00     | 27.90 | 6/5V2800-4040       | 4040 | A-3  | 0   | 4     | 149.0 |
| 31.50     | 31.40 | 6/5V3150-4040       | 4040 | A-3  | 0   | 4     | 171.0 |
| 37.50     | 37.40 | 6/5V3750-4545       | 4545 | E-3  | 0   | 4 1/2 | 214.0 |
| 50.00     | 49.90 | 6/5V5000-4545       | 4545 | E-3  | 0   | 4 1/2 | 336.0 |

**Note:** Cast iron sheaves may not exceed 6500 FPM.

This speed **DOES NOT** specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

# Flat Belt Pulleys



| Part Number | Bushing | Dimensions |      |      |      |      | Wt.  |
|-------------|---------|------------|------|------|------|------|------|
|             |         | O.D.       | F    | L    | K    | G    |      |
| 5X8FBPP2    | P2      | 5.00       | 8.00 | 2.31 | 2.47 | 3.22 | 23.0 |
| 6X8FBPQ2    | Q2      | 6.00       | 8.00 | 2.75 | 2.31 | 2.94 | 25.0 |
| 7X8FBPQ2    | Q2      | 7.00       | 8.00 | 2.75 | 2.31 | 2.94 | 38.0 |
| 8X8FBPQ2    | Q2      | 8.00       | 8.00 | 2.75 | 2.31 | 2.94 | 49.0 |

Note: All Flat Belt Pulleys are crowned and are grooved for self-cleaning.  
Order bushing separately. (See pages 89-90)

Part Number Example: 5X8FBPP2  
5" O.D. x 8" Face Width. Uses a P2 bushing.



**P18L100-1108**

**Pulley**

**Number of Teeth**

**Belt Pitch**

**Belt Width**

**Bushing**

Industry standard  
nomenclature

18

3/8"

1"

1108

**P24-8M-20-JA**

**Pulley**

**Number of Teeth**

**Belt Pitch**

**Belt Width**

**Bushing**

Industry standard  
nomenclature

18

8MM

20MM

JA

Note:

When PB is at the end of the part number this part comes with a plain bore and can be re-bored to meet a customer's need with a machine charge.

## “L” Pitch Timing Pulley Dimensions

The Timing Pulleys listed below are all stock sizes.

The figure following the type sketch letter in the “Type” column indicates the construction: (1-Solid, 2-Web, 3-Spoked), and the letter F indicates the sprocket has flanges.

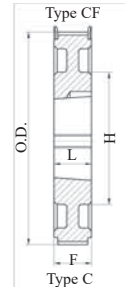
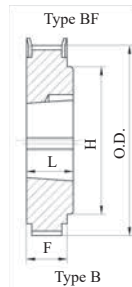
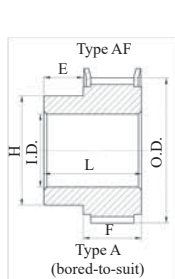
**For L Timing Belts.**

**See page 120**

**Order TB bushings separately**

**Stock Bushings Located**

**on Pages 87-88.**



| For belts 1/2 inch wide (050) * 3/8-inch pitch (L) * Face Width (F) = 3/4" |              |            |        |        |      |      |                    |        |         |                     |                       |       |
|----------------------------------------------------------------------------|--------------|------------|--------|--------|------|------|--------------------|--------|---------|---------------------|-----------------------|-------|
| Part Number                                                                | No. of Teeth | Pitch Dia. | O.D.   |        | Bore | Type | Dimensions, Inches |        |         | Max. Bore No Keyway | Max. Bore Std. Keyway | Wt.   |
|                                                                            |              |            | Pulley | Flange |      |      | E                  | L      | H       |                     |                       |       |
| P10L050-PB                                                                 | 10           | 1.19       | 1.16   | 1.38   | MPB  | A1F  | 9/32               | 1 1/64 | 7/8     | 9/16                | 1/2                   | .20   |
| P12L050-PB                                                                 | 12           | 1.43       | 1.40   | 1.73   | MPB  | A1F  | 27/64              | 1 3/16 | 1 7/64  | 3/4                 | 11/16                 | .34   |
| P13L050-PB                                                                 | 13           | 1.55       | 1.52   | 1.73   | MPB  | A1F  | 27/64              | 1 3/16 | 1 7/64  | 3/4                 | 11/16                 | .42   |
| P14L050-PB                                                                 | 14           | 1.67       | 1.64   | 1.89   | MPB  | A1F  | 27/64              | 1 3/16 | 1 7/64  | 3/4                 | 11/16                 | .48   |
| P15L050-PB                                                                 | 15           | 1.79       | 1.76   | 2.01   | MPB  | A1F  | 27/64              | 1 3/16 | 1 1/4   | 7/8                 | 13/16                 | .53   |
| P16L050-PB                                                                 | 16           | 1.91       | 1.88   | 2.17   | MPB  | A1F  | 1/2                | 1 3/16 | 1 27/64 | 1 1/16              | 15/16                 | .62   |
| P17L050-PB                                                                 | 17           | 2.03       | 2.00   | 2.24   | MPB  | A1F  | 1/2                | 1 1/4  | 1 1/2   | 1 1/8               | 1                     | .70   |
| P18L050-1108                                                               | 18           | 2.15       | 2.12   | 2.40   | 1108 | B1F  | ***                | 7/8    | 1 25/32 | ***                 | 1 1/8                 | .40   |
| P20L050-1108                                                               | 20           | 2.39       | 2.36   | 2.60   | 1108 | B1F  | ***                | 7/8    | 1 27/32 | ***                 | 1 1/8                 | .55   |
| P21L050-1108                                                               | 21           | 2.51       | 2.48   | 2.76   | 1108 | B1F  | ***                | 7/8    | 1 59/64 | ***                 | 1 1/8                 | .65   |
| P22L050-1108                                                               | 22           | 2.63       | 2.60   | 2.91   | 1108 | B1F  | ***                | 7/8    | 2 3/32  | ***                 | 1 1/8                 | .75   |
| P23L050-1108                                                               | 23           | 2.75       | 2.72   | 3.07   | 1108 | B1F  | ***                | 7/8    | 2 1/8   | ***                 | 1 1/8                 | .80   |
| P24L050-1210                                                               | 24           | 2.87       | 2.84   | 3.07   | 1210 | B1F  | ***                | 1      | 2 9/32  | ***                 | 1 1/4                 | .90   |
| P25L050-1210                                                               | 25           | 2.98       | 2.95   | 3.35   | 1210 | B1F  | ***                | 1      | 2 23/64 | ***                 | 1 1/4                 | 1.00  |
| P26L050-1210                                                               | 26           | 3.10       | 3.07   | 3.35   | 1210 | B1F  | ***                | 1      | 2 23/64 | ***                 | 1 1/4                 | 1.10  |
| P28L050-1210                                                               | 28           | 3.34       | 3.31   | 3.62   | 1210 | B1F  | ***                | 1      | 2 31/64 | ***                 | 1 1/4                 | 1.30  |
| P30L050-1610                                                               | 30           | 3.58       | 3.55   | 3.74   | 1610 | B1F  | ***                | 1      | 2 31/64 | ***                 | 1 5/8                 | 1.40  |
| P32L050-1610                                                               | 32           | 3.82       | 3.79   | 4.09   | 1610 | B1F  | ***                | 1      | 2 31/64 | ***                 | 1 5/8                 | 1.65  |
| P40L050-2012                                                               | 40           | 4.78       | 4.75   | 5.00   | 2012 | B1F  | ***                | 1 1/4  | 3 35/64 | ***                 | 2                     | 3.00  |
| P48L050-2012                                                               | 48           | 5.73       | 5.70   | 6.10   | 2012 | B1F  | ***                | 1 1/4  | 3 35/64 | ***                 | 2                     | 4.55  |
| P60L050-2012                                                               | 60           | 7.16       | 7.13   | ***    | 2012 | C2   | ***                | 1 1/4  | 4 21/64 | ***                 | 2                     | 6.15  |
| P72L050-2012                                                               | 72           | 8.59       | 8.56   | ***    | 2012 | C2   | ***                | 1 1/4  | 4 21/64 | ***                 | 2                     | 9.55  |
| P84L050-2517                                                               | 84           | 10.03      | 10.00  | ***    | 2517 | C2   | ***                | 1 3/4  | 4 59/64 | ***                 | 2 1/2                 | 13.75 |

PB pulleys have no keyway and no set screw.

# L Timing Pulleys

## “L” Pitch Timing Pulley Dimensions

The Timing Pulleys listed below are all stock sizes.

The figure following the type sketch letter in the “Type” column indicates the construction: (1-Solid, 2-Web, 3-Spoked), and the letter F indicates the sprocket has flanges.

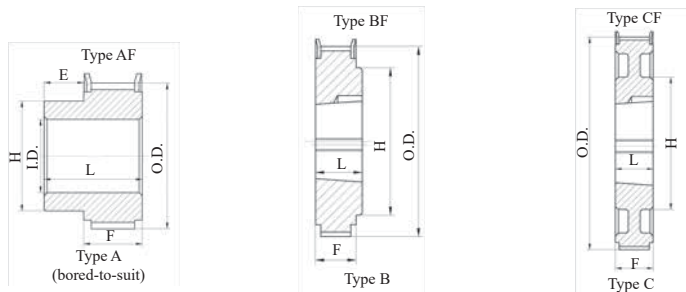
For L Timing Belts.

See page 120

Order TB bushings separately

Stock Bushings Located

on Pages 87-88.



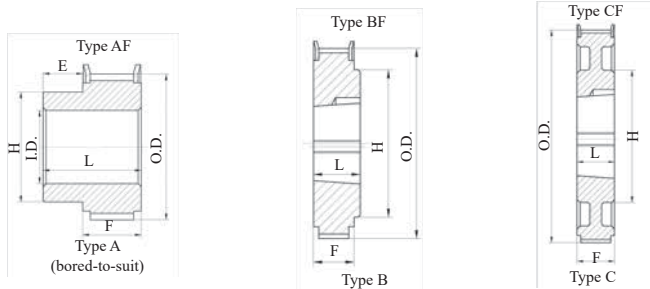
| For belts 3/4 inch wide (075) * 3/8-inch pitch (L) * Face Width (F) = 1" |              |            |        |        |      |      |                    |       |         |                     |                       |       |
|--------------------------------------------------------------------------|--------------|------------|--------|--------|------|------|--------------------|-------|---------|---------------------|-----------------------|-------|
| Part Number                                                              | No. of Teeth | Pitch Dia. | O.D.   |        | Bore | Type | Dimensions, Inches |       |         | Max. Bore No Keyway | Max. Bore Std. Keyway | Wt.   |
|                                                                          |              |            | Pulley | Flange |      |      | E                  | L     | H       |                     |                       |       |
| P12L075-PB                                                               | 12           | 1.43       | 1.40   | 1.73   | MPB  | A1F  | 1/2                | 1 1/2 | 1 7/64  | 3/4                 | 11/16                 | .43   |
| P13L075-PB                                                               | 13           | 1.55       | 1.52   | 1.73   | MPB  | A1F  | 1/2                | 1 1/2 | 1 7/64  | 3/4                 | 11/16                 | .50   |
| P14L075-PB                                                               | 14           | 1.67       | 1.64   | 1.89   | MPB  | A1F  | 1/2                | 1 1/2 | 1 7/64  | 3/4                 | 11/16                 | .53   |
| P15L075-PB                                                               | 15           | 1.79       | 1.76   | 2.01   | MPB  | A1F  | 1/2                | 1 1/2 | 1 1/4   | 7/8                 | 13/16                 | .60   |
| P16L075-PB                                                               | 16           | 1.91       | 1.88   | 2.13   | MPB  | A1F  | 5/8                | 1 5/8 | 1 27/64 | 1 1/16              | 15/16                 | .70   |
| P17L075-PB                                                               | 17           | 2.03       | 2.00   | 2.24   | MPB  | A1F  | 5/8                | 1 5/8 | 1 1/2   | 1 1/8               | 1                     | .80   |
| P18L075-1108                                                             | 18           | 2.15       | 2.12   | 2.36   | 1108 | B1F  | ***                | 7/8   | ***     | ***                 | 1 1/8                 | .45   |
| P20L075-1108                                                             | 20           | 2.39       | 2.36   | 2.60   | 1108 | B1F  | ***                | 7/8   | ***     | ***                 | 1 1/8                 | .65   |
| P22L075-1108                                                             | 22           | 2.63       | 2.60   | 2.80   | 1108 | B1F  | ***                | 7/8   | ***     | ***                 | 1 1/8                 | .90   |
| P24L075-1210                                                             | 24           | 2.87       | 2.84   | 3.07   | 1210 | B1F  | ***                | 1     | ***     | ***                 | 1 1/4                 | .90   |
| P26L075-1210                                                             | 26           | 3.10       | 3.07   | 3.35   | 1210 | B1F  | ***                | 1     | ***     | ***                 | 1 1/4                 | 1.25  |
| P28L075-1610                                                             | 28           | 3.34       | 3.31   | 3.58   | 1610 | B1F  | ***                | 1     | ***     | ***                 | 1 5/8                 | 1.20  |
| P30L075-1610                                                             | 30           | 3.58       | 3.55   | 3.82   | 1610 | B1F  | ***                | 1     | ***     | ***                 | 1 5/8                 | 1.85  |
| P32L075-1610                                                             | 32           | 3.82       | 3.79   | 4.06   | 1610 | B1F  | ***                | 1     | ***     | ***                 | 1 5/8                 | 1.85  |
| P40L075-2012                                                             | 40           | 4.78       | 4.75   | 5.00   | 2012 | B1F  | ***                | 1 1/4 | 3 35/64 | ***                 | 2                     | 3.30  |
| P48L075-2012                                                             | 48           | 5.73       | 5.70   | 5.98   | 2012 | B1F  | ***                | 1 1/4 | 3 35/64 | ***                 | 2                     | 5.35  |
| P60L075-2012                                                             | 60           | 7.16       | 7.13   | ***    | 2012 | C2   | ***                | 1 1/4 | 4 21/64 | ***                 | 2                     | 6.45  |
| P72L075-2012                                                             | 72           | 8.59       | 8.56   | ***    | 2012 | C2   | ***                | 1 1/4 | 4 21/64 | ***                 | 2                     | 9.70  |
| P84L075-2517                                                             | 84           | 10.03      | 10.00  | ***    | 2517 | C2   | ***                | 1 3/4 | 4 59/64 | ***                 | 2 1/2                 | 14.55 |

PB pulleys have no keyway and no set screw.

## “L” Pitch Timing Pulley Dimensions

The Timing Pulleys listed below are all stock sizes.

The figure following the type sketch letter in the “Type” column indicates the construction: (1-Solid, 2-Web, 3-Spoked), and the letter F indicates the sprocket has flanges.



| For belts 1 inch wide (100) * 3/8-inch pitch (L) * Face Width (F) = 1 1/4" |              |            |        |        |      |      |                    |         |         |                     |                       |       |
|----------------------------------------------------------------------------|--------------|------------|--------|--------|------|------|--------------------|---------|---------|---------------------|-----------------------|-------|
| Part Number                                                                | No. of Teeth | Pitch Dia. | O.D.   |        | Bore | Type | Dimensions, Inches |         |         | Max. Bore No Keyway | Max. Bore Std. Keyway | Wt.   |
|                                                                            |              |            | Pulley | Flange |      |      | E                  | L       | H       |                     |                       |       |
| P13L100-PB                                                                 | 13           | 1.55       | 1.52   | 1.73   | MPB  | A1F  | 33/64              | 1 49/64 | 1 7/64  | 3/4                 | 11/16                 | .60   |
| P14L100-PB                                                                 | 14           | 1.67       | 1.64   | 1.89   | MPB  | A1F  | 33/64              | 1 49/64 | 1 7/64  | 3/4                 | 11/16                 | .65   |
| P15L100-PB                                                                 | 15           | 1.79       | 1.76   | 2.01   | MPB  | A1F  | 33/64              | 1 49/64 | 1 1/4   | 7/8                 | 13/16                 | .74   |
| P16L100-PB                                                                 | 16           | 1.91       | 1.88   | 2.13   | MPB  | A1F  | 33/64              | 1 49/64 | 1 27/64 | 1 1/16              | 15/16                 | .80   |
| P17L100-PB                                                                 | 17           | 2.03       | 2.00   | 2.24   | MPB  | A1F  | 33/64              | 1 49/64 | 1 1/2   | 1 1/8               | 1                     | 1.00  |
| P18L100-1108                                                               | 18           | 2.15       | 2.12   | 2.36   | 1108 | B1F  | ***                | 7/8     | ***     | ***                 | 1 1/8                 | .55   |
| P20L100-1108                                                               | 20           | 2.39       | 2.36   | 2.60   | 1108 | B1F  | ***                | 7/8     | ***     | ***                 | 1 1/8                 | .80   |
| P22L100-1108                                                               | 22           | 2.63       | 2.60   | 2.80   | 1108 | B1F  | ***                | 7/8     | ***     | ***                 | 1 1/8                 | 1.05  |
| P24L100-1210                                                               | 24           | 2.87       | 2.84   | 3.07   | 1210 | B1F  | ***                | 1       | ***     | ***                 | 1 1/4                 | 1.25  |
| P26L100-1210                                                               | 26           | 3.10       | 3.07   | 3.35   | 1210 | B1F  | ***                | 1       | ***     | ***                 | 1 1/4                 | 1.45  |
| P28L100-1610                                                               | 28           | 3.34       | 3.31   | 3.58   | 1610 | B1F  | ***                | 1       | ***     | ***                 | 1 5/8                 | 1.45  |
| P30L100-1610                                                               | 30           | 3.58       | 3.55   | 3.82   | 1610 | B1F  | ***                | 1       | ***     | ***                 | 1 5/8                 | 1.75  |
| P32L100-1610                                                               | 32           | 3.82       | 3.79   | 4.06   | 1610 | B1F  | ***                | 1       | ***     | ***                 | 1 5/8                 | 2.15  |
| P40L100-2012                                                               | 40           | 4.78       | 4.75   | 5.00   | 2012 | B1F  | ***                | 1 1/4   | ***     | ***                 | 2                     | 3.75  |
| P48L100-2012                                                               | 48           | 5.73       | 5.70   | 5.98   | 2012 | B1F  | ***                | 1 1/4   | ***     | ***                 | 2                     | 6.10  |
| P60L100-2012                                                               | 60           | 7.16       | 7.13   | ***    | 2012 | C2   | ***                | 1 1/4   | 4 21/64 | ***                 | 2                     | 6.95  |
| P72L100-2012                                                               | 72           | 8.59       | 8.56   | ***    | 2012 | C2   | ***                | 1 1/4   | 4 21/64 | ***                 | 2                     | 10.60 |
| P84L100-2517                                                               | 84           | 10.03      | 10.00  | ***    | 2517 | C2   | ***                | 1 3/4   | 4 59/64 | ***                 | 2 1/2                 | 15.15 |

PB pulleys have no keyway and no set screw.

# H Timing Pulleys

## “H” Pitch Timing Pulley Dimensions

The Timing Pulleys listed below are all stock sizes.

The figure following the type sketch letter in the “Type” column indicates the construction: (1-Solid, 2-Web, 3-Spoked), and the letter F indicates the sprocket has flanges.

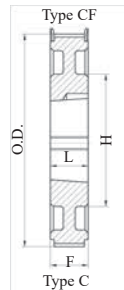
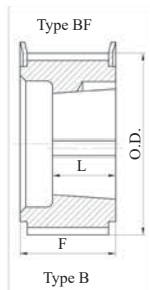
For H Timing Belts.

See page 121

Order TB bushings separately

Stock Bushings Located

on Pages 87-88.



For belts 1 inch wide (100) \* 1/2-inch pitch (H) also use for 3/4-inch wide (H075) belts Face Width (F) = 1-5/16”

| Part Number   | No. of Teeth | Pitch Dia. | O.D.   |        | Bore | Type | Dimensions, Inches |        | Max. Bore | Wt.   |
|---------------|--------------|------------|--------|--------|------|------|--------------------|--------|-----------|-------|
|               |              |            | Pulley | Flange |      |      | L                  | H      |           |       |
| P14H100-1008  | 14           | 2.23       | 2.18   | 2.40   | 1008 | B1F  | 7/8                | ***    | 1         | .70   |
| P16H100-1108  | 16           | 2.54       | 2.49   | 2.76   | 1108 | B1F  | 7/8                | ***    | 1 1/8     | .90   |
| P18H100-1210  | 18           | 2.86       | 2.81   | 3.07   | 1210 | B1F  | 1                  | ***    | 1 1/4     | 1.00  |
| P20H100-1210  | 20           | 3.18       | 3.13   | 3.43   | 1210 | B1F  | 1                  | ***    | 1 1/4     | 1.45  |
| P22H100-1610  | 22           | 3.50       | 3.45   | 3.74   | 1610 | B1F  | 1                  | ***    | 1 5/8     | 1.60  |
| P24H100-1610  | 24           | 3.82       | 3.77   | 4.09   | 1610 | B1F  | 1                  | ***    | 1 5/8     | 2.10  |
| P26H100-2012  | 26           | 4.14       | 4.09   | 4.45   | 2012 | B1F  | 1 1/4              | ***    | 2         | 2.25  |
| P28H100-2012  | 28           | 4.45       | 4.40   | 4.69   | 2012 | B1F  | 1 1/4              | ***    | 2         | 2.95  |
| P30H100-2012  | 30           | 4.77       | 4.72   | 5.00   | 2012 | B1F  | 1 1/4              | ***    | 2         | 3.60  |
| P32H100-2517  | 32           | 5.09       | 5.04   | 5.31   | 2517 | B1F  | 1 3/4              | 4 7/16 | 2 1/2     | 4.20  |
| P40H100-2517  | 40           | 6.36       | 6.31   | 6.65   | 2517 | B1F  | 1 3/4              | 4 7/16 | 2 1/2     | 7.40  |
| P48H100-2517  | 48           | 7.64       | 7.59   | 7.95   | 2517 | B1F  | 1 3/4              | 4 7/16 | 2 1/2     | 9.95  |
| P60H100-3020  | 60           | 9.55       | 9.50   | ***    | 3020 | C2   | 2                  | 6 7/64 | 3         | 16.45 |
| P72H100-3020  | 72           | 11.46      | 11.41  | ***    | 3020 | C2   | 2                  | 6 7/64 | 3         | 22.75 |
| P84H100-3020  | 84           | 13.37      | 13.32  | ***    | 3020 | C2   | 2                  | 6 7/64 | 3         | 29.90 |
| P96H100-3020  | 96           | 15.28      | 15.23  | ***    | 3020 | C2   | 2                  | 6 7/64 | 3         | 28.75 |
| P120H100-3020 | 120          | 19.10      | 19.05  | ***    | 3020 | C3   | 2                  | 6 7/64 | 3         | 42.25 |



## “H” Pitch Timing Pulley Dimensions

The Timing Pulleys listed below are all stock sizes.

The figure following the type sketch letter in the “Type” column indicates the construction:

(1-Solid, 2-Web, 3-Spoked), and the letter F indicates the sprocket has flanges.

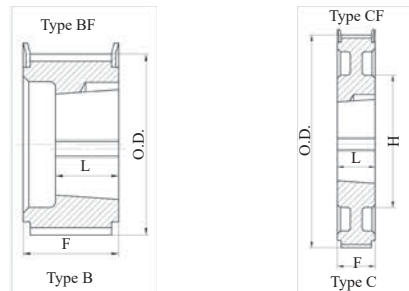
For H Timing Belts.

See page 121

Order TB bushings separately

Stock Bushings Located

on Pages 87-88.



| For belts 1-1/2 inches wide (150) * 1/2-inch pitch (H) Face Width (F) = 1-13/16" |              |            |        |        |      |      |                    |         |           |       |
|----------------------------------------------------------------------------------|--------------|------------|--------|--------|------|------|--------------------|---------|-----------|-------|
| Part Number                                                                      | No. of Teeth | Pitch Dia. | O.D.   |        | Bore | Type | Dimensions, Inches |         | Max. Bore | Wt.   |
|                                                                                  |              |            | Pulley | Flange |      |      | L                  | H       |           |       |
| P14H150-1008                                                                     | 14           | 2.23       | 2.18   | 2.40   | 1008 | B1F  | 7/8                | ***     | 1         | .80   |
| P16H150-1108                                                                     | 16           | 2.55       | 2.49   | 2.76   | 1108 | B1F  | 7/8                | ***     | 1 1/8     | 1.20  |
| P18H150-1210                                                                     | 18           | 2.86       | 2.81   | 3.07   | 1210 | B1F  | 1                  | ***     | 1 1/4     | 1.30  |
| P20H150-1210                                                                     | 20           | 3.18       | 3.13   | 3.43   | 1210 | B1F  | 1                  | ***     | 1 1/4     | 1.85  |
| P22H150-1610                                                                     | 22           | 3.50       | 3.45   | 3.74   | 1610 | B1F  | 1                  | ***     | 1 5/8     | 2.10  |
| P24H150-2012                                                                     | 24           | 3.82       | 3.77   | 4.09   | 2012 | B1F  | 1 1/4              | ***     | 2         | 2.05  |
| P26H150-2012                                                                     | 26           | 4.14       | 4.09   | 4.37   | 2012 | B1F  | 1 1/4              | ***     | 2         | 2.80  |
| P28H150-2012                                                                     | 28           | 4.45       | 4.40   | 4.69   | 2012 | B1F  | 1 1/4              | ***     | 2         | 3.50  |
| P30H150-2012                                                                     | 30           | 4.77       | 4.72   | 5.00   | 2012 | B1F  | 1 1/4              | ***     | 2         | 4.30  |
| P32H150-2517                                                                     | 32           | 5.09       | 5.04   | 5.31   | 2517 | B1F  | 1 3/4              | ***     | 2 1/2     | 4.90  |
| P40H150-2517                                                                     | 40           | 6.36       | 6.31   | 6.65   | 2517 | B1F  | 1 3/4              | ***     | 2 1/2     | 8.20  |
| P48H150-2517                                                                     | 48           | 7.64       | 7.59   | 7.95   | 2517 | C2F  | 1 3/4              | 4 59/64 | 2 1/2     | 11.25 |
| P60H150-3020                                                                     | 60           | 9.55       | 9.50   | ***    | 3020 | C2   | 2                  | 6 7/64  | 3         | 10.80 |
| P72H150-3020                                                                     | 72           | 11.46      | 11.41  | ***    | 3020 | C2   | 2                  | 6 7/64  | 3         | 25.20 |
| P84H150-3020                                                                     | 84           | 13.37      | 13.32  | ***    | 3020 | C3   | 2                  | 6 7/64  | 3         | 32.40 |
| P96H150-3020                                                                     | 96           | 15.28      | 15.23  | ***    | 3020 | C3   | 2                  | 6 7/64  | 3         | 31.52 |
| P120H150-3020                                                                    | 120          | 19.10      | 19.05  | ***    | 3020 | C3   | 2                  | 6 7/64  | 3         | 46.50 |

# H Timing Pulleys

For H Timing Belts.

See page 121

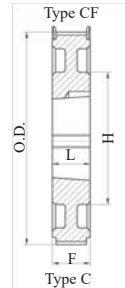
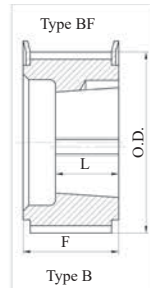
Order TB bushings separately  
Stock Bushings Located  
on Pages 87-88.

## “H” Pitch Timing Pulley Dimensions

The Timing Pulleys listed below are all stock sizes.

The figure following the type sketch letter in the “Type” column indicates the construction:

(1-Solid, 2-Web, 3-Spoked), and the letter F indicates the sprocket has flanges.

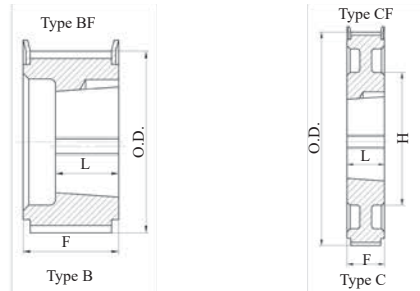


| For belts 2 inches wide (200) * 1/2-inch pitch (H) |              |            |        |        |      | Face Width (F) = 2-11/32" |                    |         |           |       |
|----------------------------------------------------|--------------|------------|--------|--------|------|---------------------------|--------------------|---------|-----------|-------|
| Part Number                                        | No. of Teeth | Pitch Dia. | O.D.   |        | Bore | Type                      | Dimensions, Inches |         | Max. Bore | Wt.   |
|                                                    |              |            | Pulley | Flange |      |                           | L                  | H       |           |       |
| P16H200-1108                                       | 16           | 2.54       | 2.49   | 2.76   | 1108 | B1F                       | 7/8                | ***     | 1 1/8     | 1.50  |
| P18H200-1215                                       | 18           | 2.86       | 2.81   | 3.07   | 1215 | B1F                       | 1 1/2              | ***     | 1 1/4     | 1.50  |
| P20H200-1215                                       | 20           | 3.18       | 3.13   | 3.43   | 1215 | B1F                       | 1 1/2              | ***     | 1 1/4     | 2.30  |
| P22H200-1615                                       | 22           | 3.50       | 3.45   | 3.74   | 1615 | B1F                       | 1 1/2              | ***     | 1 5/8     | 2.55  |
| P24H200-2012                                       | 24           | 3.82       | 3.77   | 4.09   | 2012 | B1F                       | 1 1/4              | ***     | 2         | 2.45  |
| P26H200-2012                                       | 26           | 4.14       | 4.09   | 4.45   | 2012 | B1F                       | 1 1/4              | ***     | 2         | 3.40  |
| P28H200-2012                                       | 28           | 4.45       | 4.40   | 4.69   | 2012 | B1F                       | 1 1/4              | ***     | 2         | 4.15  |
| P30H200-2012                                       | 30           | 4.77       | 4.72   | 5.00   | 2012 | B1F                       | 1 1/4              | ***     | 2         | 4.90  |
| P32H200-2517                                       | 32           | 5.09       | 5.04   | 5.31   | 2517 | B1F                       | 1 3/4              | ***     | 2 1/2     | 5.75  |
| P40H200-2517                                       | 40           | 6.36       | 6.31   | 6.65   | 2517 | B1F                       | 1 3/4              | ***     | 2 1/2     | 9.30  |
| P48H200-3020                                       | 48           | 7.64       | 7.59   | 7.95   | 3020 | B1F                       | 2                  | ***     | 3         | 16.40 |
| P60H200-3020                                       | 60           | 9.55       | 9.50   | ***    | 3020 | C2                        | 2                  | 6 7/64  | 3         | 20.10 |
| P72H200-3020                                       | 72           | 11.46      | 11.41  | ***    | 3020 | C2                        | 2                  | 6 7/64  | 3         | 27.15 |
| P84H200-3020                                       | 84           | 13.37      | 13.32  | ***    | 3020 | C3                        | 2                  | 6 7/64  | 3         | 34.62 |
| P96H200-3535                                       | 96           | 15.28      | 15.23  | ***    | 3535 | C3                        | 3 1/2              | 6 57/64 | 3 1/2     | 43.95 |
| P120H200-3535                                      | 120          | 19.10      | 19.05  | ***    | 3535 | C3                        | 3 1/2              | 6 57/64 | 3 1/2     | 58.92 |

## “H” Pitch Timing Pulley Dimensions

The Timing Pulleys listed below are all stock sizes.

The figure following the type sketch letter in the “Type” column indicates the construction:  
(1-Solid, 2-Web, 3-Spoked), and the letter F indicates the sprocket has flanges.



| For belts 3 inches wide (300) * 1/2-inch pitch (H) |              |            |        |        |      | Face Width (F) = 3-3/8" |                    |         |           |       |
|----------------------------------------------------|--------------|------------|--------|--------|------|-------------------------|--------------------|---------|-----------|-------|
| Part Number                                        | No. of Teeth | Pitch Dia. | O.D.   |        | Bore | Type                    | Dimensions, Inches |         | Max. Bore | Wt.   |
|                                                    |              |            | Pulley | Flange |      |                         | L                  | H       |           |       |
| P16H300-1108                                       | 16           | 2.54       | 2.49   | 2.76   | 1108 | B1F                     | 7/8                | ***     | 1 1/8     | 2.00  |
| P18H300-1215                                       | 18           | 2.86       | 2.81   | 3.07   | 1215 | B1F                     | 1 1/2              | ***     | 1 1/4     | 2.05  |
| P20H300-1215                                       | 20           | 3.18       | 3.13   | 3.43   | 1215 | B1F                     | 1 1/2              | ***     | 1 1/4     | 3.05  |
| P22H300-1615                                       | 22           | 3.50       | 3.45   | 3.74   | 1615 | B1F                     | 1 1/2              | ***     | 1 5/8     | 3.50  |
| P24H300-2012                                       | 24           | 3.82       | 3.77   | 4.09   | 2012 | B1F                     | 1 1/4              | ***     | 2         | 4.05  |
| P26H300-2012                                       | 26           | 4.14       | 4.09   | 4.45   | 2012 | B1F                     | 1 1/4              | ***     | 2         | 4.60  |
| P28H300-2012                                       | 28           | 4.45       | 4.40   | 4.69   | 2012 | B1F                     | 1 1/4              | ***     | 2         | 5.40  |
| P30H300-2012                                       | 30           | 4.77       | 4.72   | 5.00   | 2012 | B1F                     | 1 1/4              | ***     | 2         | 6.45  |
| P32H300-2517                                       | 32           | 5.09       | 5.04   | 5.31   | 2517 | B1F                     | 1 3/4              | ***     | 2 1/2     | 7.25  |
| P40H300-2517                                       | 40           | 6.36       | 6.31   | 6.65   | 2517 | B1F                     | 1 3/4              | ***     | 2 1/2     | 11.40 |
| P48H300-3020                                       | 48           | 7.64       | 7.59   | 7.95   | 3020 | B1F                     | 2                  | ***     | 3         | 19.25 |
| P60H300-3020                                       | 60           | 9.55       | 9.50   | ***    | 3020 | C2                      | 2                  | 6 7/64  | 3         | 22.60 |
| P72H300-3020                                       | 72           | 11.46      | 11.41  | ***    | 3020 | C2                      | 2                  | 6 7/64  | 3         | 30.70 |
| P84H300-3020                                       | 84           | 13.37      | 13.32  | ***    | 3020 | C3                      | 2                  | 6 7/64  | 3         | 37.45 |
| P96H300-3535                                       | 96           | 15.28      | 15.23  | ***    | 3535 | C3                      | 3 1/2              | 6 57/64 | 3 1/2     | 51.84 |
| P120H300-3535                                      | 120          | 19.10      | 19.05  | ***    | 3535 | C3                      | 3 1/2              | 6 57/64 | 3 1/2     | 75.08 |

## 5M HTD Timing Pulley Dimensions

The Timing Pulleys listed below are all stock sizes.

The figure following the type sketch letter in the “Type” column indicates the construction: (1-Solid, 2-Web, 3-Spoked), and the letter F indicates the sprocket has flanges.

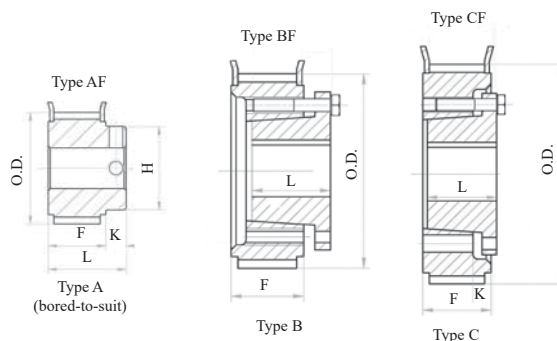
For 5M HTD Timing Belts.

See page 122

Order QD bushings separately

Stock Bushings Located

on Pages 84-85.



| For belts 15MM wide * 5MM Pitch * Face Width (F) = 57/64" |              |            |        |        |      |      |            |      |      |                     |                       |      |
|-----------------------------------------------------------|--------------|------------|--------|--------|------|------|------------|------|------|---------------------|-----------------------|------|
| Part No.                                                  | No. of Teeth | Pitch Dia. | O.D.   |        | Bore | Type | Dimensions |      |      | Max. Bore No Keyway | Max. Bore Std. Keyway | Wt.  |
|                                                           |              |            | Pulley | Flange |      |      | L          | H    | K    |                     |                       |      |
| P32-5M-15-PB                                              | 32           | 2.01       | 1.96   | 2.17   | MPB  | A1F  | 1.64       | 1.50 | 0.75 | 1 1/8               | 1                     | 0.91 |
| P34-5M-15-PB                                              | 34           | 2.13       | 2.09   | 2.24   | MPB  | A1F  | 1.64       | 1.50 | 0.75 | 1 1/8               | 1                     | 1.02 |
| P36-5M-15-PB                                              | 36           | 2.26       | 2.21   | 2.40   | MPB  | A1F  | 1.64       | 1.50 | 0.75 | 1 1/8               | 1                     | 1.14 |
| *P38-5M-15-JA                                             | 38           | 2.38       | 2.34   | 2.60   | JA   | B1F  | 1.00       | -    | -    | 1 1/4               | 1 3/16                | 0.66 |
| *P40-5M-15-JA                                             | 40           | 2.51       | 2.46   | 2.70   | JA   | B1F  | 1.00       | -    | -    | 1 1/4               | 1 3/16                | 0.74 |
| *P44-5M-15-JA                                             | 44           | 2.76       | 2.71   | 2.91   | JA   | B1F  | 1.00       | -    | -    | 1 1/4               | 1 3/16                | 0.87 |
| P48-5M-15-JA                                              | 48           | 3.01       | 2.97   | 3.27   | JA   | C1F  | 1.00       | -    | 0.33 | 1 1/4               | 1 3/16                | 1.02 |
| P52-5M-15-JA                                              | 52           | 3.26       | 3.21   | 3.43   | JA   | C1F  | 1.00       | -    | 0.33 | 1 1/4               | 1 3/16                | 1.19 |
| P56-5M-15-SH                                              | 56           | 3.51       | 3.47   | 3.74   | SH   | B1F  | 1.31       | -    | -    | 1 11/16             | 1 5/8                 | 1.36 |
| P60-5M-15-SH                                              | 60           | 3.76       | 3.72   | 4.02   | SH   | B1F  | 1.31       | -    | -    | 1 11/16             | 1 5/8                 | 1.60 |
| P64-5M-15-SH                                              | 64           | 4.01       | 3.97   | 4.25   | SH   | B1F  | 1.31       | -    | -    | 1 11/16             | 1 5/8                 | 1.85 |
| P68-5M-15-SDS                                             | 68           | 4.26       | 4.22   | 4.45   | SDS  | C1F  | 1.31       | -    | 0.14 | 2                   | 1 15/16               | 1.90 |
| P72-5M-15-SDS                                             | 72           | 4.51       | 4.47   | 4.69   | SDS  | C1F  | 1.31       | -    | 0.14 | 2                   | 1 15/16               | 2.16 |
| P80-5M-15-SDS                                             | 80           | 5.01       | 4.97   | -      | SDS  | C1   | 1.31       | -    | 0.14 | 2                   | 1 15/16               | 2.73 |
| P90-5M-15-SDS                                             | 90           | 5.64       | 5.59   | -      | SDS  | C1   | 1.31       | -    | 0.14 | 2                   | 1 15/16               | 3.22 |
| P112-5M-15-SDS                                            | 112          | 7.02       | 6.97   | -      | SDS  | C1   | 1.31       | -    | 0.14 | 2                   | 1 15/16               | 4.79 |

\* = Can only be mounted from one direction

PB pulleys have no keyway and no set screw. Rebore available upon request.

## 5M HTD Timing Pulley Dimensions

The Timing Pulleys listed below are all stock sizes.

The figure following the type sketch letter in the "Type" column indicates the construction:

(1-Solid, 2-Web, 3-Spoked), and the letter F indicates the sprocket has flanges.

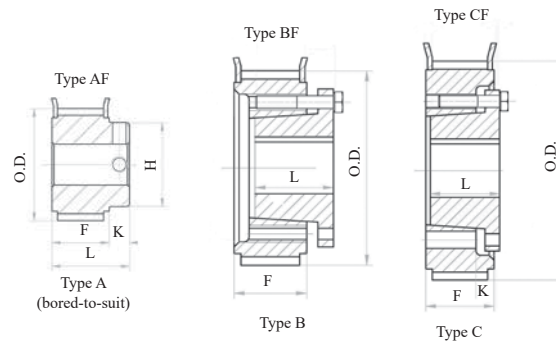
For 5M HTD Timing Belts.

See page 122

Order QD bushings separately

Stock Bushings Located

on Pages 84-85.



| For belts 25MM wide * 5MM Pitch * Face Width (F) = 1 1/4" |              |            |        |        |      |      |            |      |      |                     |                       |      |
|-----------------------------------------------------------|--------------|------------|--------|--------|------|------|------------|------|------|---------------------|-----------------------|------|
| Part No.                                                  | No. of Teeth | Pitch Dia. | O.D.   |        | Bore | Type | Dimensions |      |      | Max. Bore No Keyway | Max. Bore Std. Keyway | Wt.  |
|                                                           |              |            | Pulley | Flange |      |      | L          | H    | K    |                     |                       |      |
| P32-5M-25-PB                                              | 32           | 2.01       | 1.96   | 2.17   | MPB  | A1F  | 2.03       | 1.50 | 0.75 | 1 1/8               | 1                     | 0.97 |
| P34-5M-25-PB                                              | 34           | 2.13       | 2.09   | 2.24   | MPB  | A1F  | 2.03       | 1.50 | 0.75 | 1 1/8               | 1                     | 1.09 |
| P36-5M-25-PB                                              | 36           | 2.26       | 2.21   | 2.40   | MPB  | A1F  | 2.03       | 1.50 | 0.75 | 1 1/8               | 1                     | 1.22 |
| *P38-5M-25-JA                                             | 38           | 2.38       | 2.34   | 2.60   | JA   | B1F  | 1.00       | -    | -    | 1 1/4               | 1 3/16                | 0.90 |
| *P40-5M-25-JA                                             | 40           | 2.51       | 2.46   | 2.70   | JA   | B1F  | 1.00       | -    | -    | 1 1/4               | 1 3/16                | 1.00 |
| *P44-5M-25-JA                                             | 44           | 2.76       | 2.71   | 2.91   | JA   | B1F  | 1.00       | -    | -    | 1 1/4               | 1 3/16                | 1.18 |
| +P48-5M-25-JA                                             | 48           | 3.01       | 2.97   | 3.27   | JA   | C1F  | 1.00       | -    | 0.72 | 1 1/4               | 1 3/16                | 1.31 |
| P52-5M-25-JA                                              | 52           | 3.26       | 3.21   | 3.43   | JA   | C1F  | 1.00       | -    | 0.72 | 1 1/4               | 1 3/16                | 1.51 |
| P56-5M-25-SH                                              | 56           | 3.51       | 3.47   | 3.74   | SH   | C1F  | 1.31       | -    | 0.47 | 1 11/16             | 1 5/8                 | 1.70 |
| P60-5M-25-SH                                              | 60           | 3.76       | 3.72   | 4.02   | SH   | C1F  | 1.31       | -    | 0.47 | 1 11/16             | 1 5/8                 | 1.96 |
| P64-5M-25-SH                                              | 64           | 4.01       | 3.97   | 4.25   | SH   | C1F  | 1.31       | -    | 0.47 | 1 11/16             | 1 5/8                 | 2.24 |
| P68-5M-25-SDS                                             | 68           | 4.26       | 4.22   | 4.45   | SDS  | C1F  | 1.31       | -    | 0.53 | 2                   | 1 15/16               | 2.30 |
| P72-5M-25-SDS                                             | 72           | 4.51       | 4.47   | 4.69   | SDS  | C1F  | 1.31       | -    | 0.53 | 2                   | 1 15/16               | 2.59 |
| P80-5M-25-SDS                                             | 80           | 5.01       | 4.97   | -      | SDS  | C1   | 1.31       | -    | 0.53 | 2                   | 1 15/16               | 3.21 |
| P90-5M-25-SDS                                             | 90           | 5.64       | 5.59   | -      | SDS  | C1   | 1.31       | -    | 0.53 | 2                   | 1 15/16               | 3.77 |
| P112-5M-25-SDS                                            | 112          | 7.02       | 6.97   | -      | SDS  | C1   | 1.31       | -    | 0.53 | 2                   | 1 15/16               | 5.59 |

\* = Can only be mounted from one direction

+ = Includes cap screws to be used in place of the ones that come with the bushing

PB pulleys have no keyway and no set screw. Rebore available upon request.



## 8M HTD Timing Pulley Dimensions

For 8M HTD Timing Belts.

See page 123

Order QD bushings separately

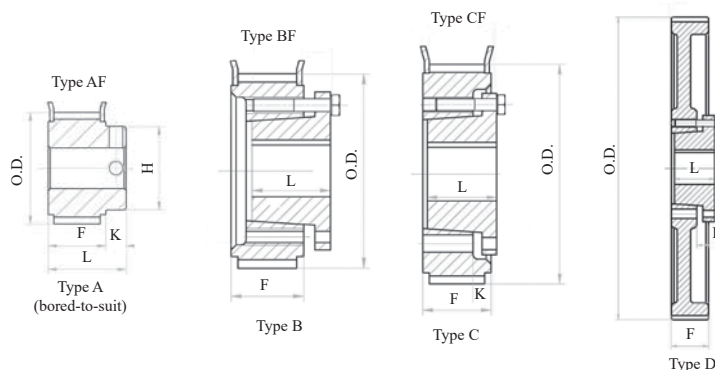
Stock Bushings Located

on Pages 84-85.

The Timing Pulleys listed below are all stock sizes.

The figure following the type sketch letter in the “Type” column indicates the construction:

(1-Solid, 2-Web, 3-Spoked), and the letter F indicates the sprocket has flanges.



| For belts 20MM wide * 8MM Pitch * Face Width (F) = 1 7/64" |              |            |        |        |      |      |            |      |      |                     |                       |      |
|------------------------------------------------------------|--------------|------------|--------|--------|------|------|------------|------|------|---------------------|-----------------------|------|
| Part No.                                                   | No. of Teeth | Pitch Dia. | O.D.   |        | Bore | Type | Dimensions |      |      | Max. Bore No Keyway | Max. Bore Std. Keyway | Wt.  |
|                                                            |              |            | Pulley | Flange |      |      | L          | H    | K    |                     |                       |      |
| P22-8M-20-PB                                               | 22           | 2.21       | 2.15   | 2.46   | MPB  | A1F  | 1.85       | 1.61 | 0.75 | 1 5/16              | 1 1/8                 | 1.11 |
| *P24-8M-20-JA                                              | 24           | 2.41       | 2.35   | 2.70   | JA   | B1F  | 1.00       | -    | -    | 1 1/4               | 1 3/16                | 0.85 |
| *P26-8M-20-JA                                              | 26           | 2.61       | 2.55   | 2.95   | JA   | B1F  | 1.00       | -    | -    | 1 1/4               | 1 3/16                | 1.01 |
| P28-8M-20-H                                                | 28           | 2.81       | 2.76   | 3.15   | H    | B1F  | 1.34       | -    | -    | -                   | 1 1/2                 | 1.10 |
| P30-8M-20-H                                                | 30           | 3.01       | 2.96   | 3.35   | H    | B1F  | 1.34       | -    | -    | -                   | 1 1/2                 | 1.29 |
| P32-8M-20-H                                                | 32           | 3.21       | 3.15   | 3.54   | H    | B1F  | 1.34       | -    | -    | -                   | 1 1/2                 | 1.46 |
| P34-8M-20-SH                                               | 34           | 3.41       | 3.35   | 3.86   | SH   | B1F  | 1.31       | -    | -    | 1 11/16             | 1 5/8                 | 1.56 |
| P36-8M-20-SH                                               | 36           | 3.61       | 3.56   | 3.94   | SH   | C1F  | 1.31       | -    | 0.29 | 1 11/16             | 1 5/8                 | 1.76 |
| P38-8M-20-SH                                               | 38           | 3.81       | 3.76   | 4.09   | SH   | C1F  | 1.31       | -    | 0.29 | 1 11/16             | 1 5/8                 | 1.97 |
| P40-8M-20-SH                                               | 40           | 4.01       | 3.96   | 4.33   | SH   | C1F  | 1.31       | -    | 0.29 | 1 11/16             | 1 5/8                 | 2.19 |
| P44-8M-20-SDS                                              | 44           | 4.41       | 4.36   | 4.69   | SDS  | C1F  | 1.31       | -    | 0.35 | 2                   | 1 15/16               | 2.48 |
| P48-8M-20-SDS                                              | 48           | 4.81       | 4.76   | 5.16   | SDS  | C1F  | 1.31       | -    | 0.35 | 2                   | 1 15/16               | 2.97 |
| P56-8M-20-SDS                                              | 56           | 5.61       | 5.56   | 5.98   | SDS  | C1F  | 1.31       | -    | 0.35 | 2                   | 1 15/16               | 4.04 |
| P64-8M-20-SDS                                              | 64           | 6.42       | 6.36   | 6.89   | SDS  | C1F  | 1.31       | -    | 0.35 | 2                   | 1 15/16               | 5.27 |
| P72-8M-20-SDS                                              | 72           | 7.22       | 7.17   | 7.56   | SDS  | C1F  | 1.31       | -    | 0.35 | 2                   | 1 15/16               | 5.70 |
| P80-8M-20-SDS                                              | 80           | 8.02       | 7.97   | 8.39   | SDS  | C1F  | 1.31       | -    | 0.35 | 2                   | 1 15/16               | 7.19 |
| P90-8M-20-SDS                                              | 90           | 9.02       | 8.97   | -      | SDS  | D2   | 1.31       | -    | 0.35 | 2                   | 1 15/16               | 8.91 |

\* = Can only be mounted from one direction

PB pulleys have no keyway and no set screw. Rebore available upon request.

## 8M HTD Timing Pulley Dimensions

The Timing Pulleys listed below are all stock sizes.

The figure following the type sketch letter in the "Type" column indicates the construction:

(1-Solid, 2-Web, 3-Spoked), and the letter F indicates the sprocket has flanges.

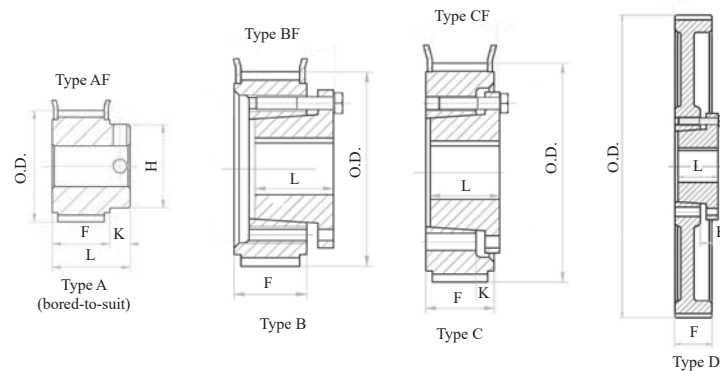
For 8M HTD Timing Belts.

See page 123

Order QD bushings separately

Stock Bushings Located

on Pages 84-85.



| For belts 30MM wide * 8MM Pitch * Face Width (F) = 1 1/2" |              |            |        |        |      |      |            |      |      |                     |                       |       |
|-----------------------------------------------------------|--------------|------------|--------|--------|------|------|------------|------|------|---------------------|-----------------------|-------|
| Part No.                                                  | No. of Teeth | Pitch Dia. | O.D.   |        | Bore | Type | Dimensions |      |      | Max. Bore No Keyway | Max. Bore Std. Keyway | Wt.   |
|                                                           |              |            | Pulley | Flange |      |      | L          | H    | K    |                     |                       |       |
| P22-8M-30-PB                                              | 22           | 2.21       | 2.15   | 2.46   | MPB  | A1F  | 2.25       | 1.61 | 0.75 | 1 5/16              | 1 1/8                 | 1.35  |
| P24-8M-30-PB                                              | 24           | 2.41       | 2.35   | 2.70   | MPB  | A1F  | 2.25       | 1.81 | 0.75 | 1 1/2               | 1 1/4                 | 1.08  |
| P26-8M-30-PB                                              | 26           | 2.61       | 2.55   | 2.95   | MPB  | A1F  | 2.25       | 2.00 | 0.75 | 1 3/4               | 1 3/8                 | 1.29  |
| P28-8M-30-H                                               | 28           | 2.81       | 2.76   | 3.15   | H    | B1F  | 1.34       | -    | -    | -                   | 1 1/2                 | 1.41  |
| P30-8M-30-H                                               | 30           | 3.01       | 2.96   | 3.35   | H    | B1F  | 1.34       | -    | -    | -                   | 1 1/2                 | 1.65  |
| P32-8M-30-H                                               | 32           | 3.21       | 3.15   | 3.54   | H    | B1F  | 1.34       | -    | -    | -                   | 1 1/2                 | 1.82  |
| +P34-8M-30-SH                                             | 34           | 3.41       | 3.35   | 3.86   | SH   | C1F  | 1.31       | -    | 0.69 | 1 11/16             | 1 5/8                 | 1.95  |
| +P36-8M-30-SH                                             | 36           | 3.61       | 3.56   | 3.94   | SH   | C1F  | 1.31       | -    | 0.69 | 1 11/16             | 1 5/8                 | 2.18  |
| +P38-8M-30-SH                                             | 38           | 3.81       | 3.76   | 4.09   | SH   | C1F  | 1.31       | -    | 0.69 | 1 11/16             | 1 5/8                 | 2.42  |
| +P40-8M-30-SH                                             | 40           | 4.01       | 3.96   | 4.33   | SH   | C1F  | 1.31       | -    | 0.69 | 1 11/16             | 1 5/8                 | 2.67  |
| +P44-8M-30-SDS                                            | 44           | 4.41       | 4.36   | 4.69   | SDS  | C1F  | 1.31       | -    | 0.74 | 2                   | 1 15/16               | 3.01  |
| P48-8M-30-SDS                                             | 48           | 4.81       | 4.76   | 5.16   | SDS  | C1F  | 1.31       | -    | 0.74 | 2                   | 1 15/16               | 3.55  |
| P56-8M-30-SDS                                             | 56           | 5.61       | 5.56   | 5.98   | SDS  | C1F  | 1.31       | -    | 0.74 | 2                   | 1 15/16               | 4.74  |
| P64-8M-30-SK                                              | 64           | 6.42       | 6.36   | 6.89   | SK   | C1F  | 1.94       | -    | 0.24 | 2 5/8               | 2 1/2                 | 6.85  |
| P72-8M-30-SK                                              | 72           | 7.22       | 7.17   | 7.56   | SK   | C1F  | 1.94       | -    | 0.24 | 2 5/8               | 2 1/2                 | 8.83  |
| P80-8M-30-SK                                              | 80           | 8.02       | 7.97   | 8.39   | SK   | C2F  | 1.94       | -    | 0.24 | 2 5/8               | 2 1/2                 | 9.58  |
| P90-8M-30-SK                                              | 90           | 9.02       | 8.97   | -      | SK   | D2   | 1.94       | -    | 0.24 | 2 5/8               | 2 1/2                 | 11.66 |
| P112-8M-30-SK                                             | 112          | 11.23      | 11.17  | -      | SK   | D2   | 1.94       | -    | 0.24 | 2 5/8               | 2 1/2                 | 16.06 |

+ = Includes cap screws to be used in place of the ones that come with the bushing

PB pulleys have no keyway and no set screw. Rebore available upon request.

## 8M HTD Timing Pulley Dimensions

For 8M HTD Timing Belts.

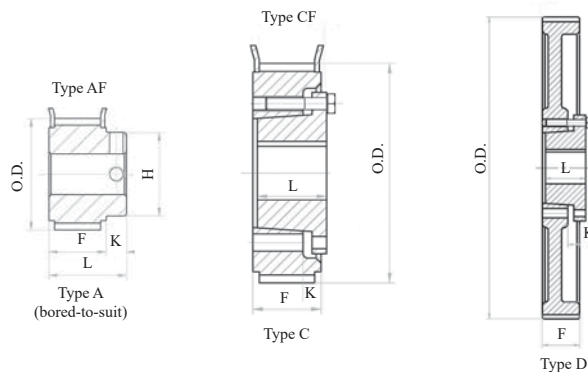
See page 123

Order QD bushings separately  
Stock Bushings Located  
on Pages 84-85.

The Timing Pulleys listed below are all stock sizes.

The figure following the type sketch letter in the “Type” column indicates the construction:

(1-Solid, 2-Web, 3-Spoked), and the letter F indicates the sprocket has flanges.



| For belts 50MM wide * 8MM Pitch * Face Width (F) = 2 3/8" |              |            |        |        |      |      |            |      |      |                     |                       |       |
|-----------------------------------------------------------|--------------|------------|--------|--------|------|------|------------|------|------|---------------------|-----------------------|-------|
| Part No.                                                  | No. of Teeth | Pitch Dia. | O.D.   |        | Bore | Type | Dimensions |      |      | Max. Bore No Keyway | Max. Bore Std. Keyway | Wt.   |
|                                                           |              |            | Pulley | Flange |      |      | L          | H    | K    |                     |                       |       |
| P28-8M-50-PB                                              | 28           | 2.81       | 2.76   | 3.15   | MPB  | A1F  | 3.11       | 1.97 | 0.75 | 1 11/16             | 1 3/8                 | 3.16  |
| P30-8M-50-PB                                              | 30           | 3.01       | 2.96   | 3.35   | MPB  | A1F  | 3.11       | 2.17 | 0.75 | 1 7/8               | 1 1/2                 | 3.53  |
| P32-8M-50-PB                                              | 32           | 3.21       | 3.15   | 3.54   | MPB  | A1F  | 3.11       | 2.36 | 0.75 | 2 1/16              | 1 5/8                 | 3.92  |
| *P34-8M-50-SH                                             | 34           | 3.41       | 3.35   | 3.86   | SH   | C1F  | 1.31       | -    | 0.50 | 1 11/16             | 1 5/8                 | 2.86  |
| *P36-8M-50-SH                                             | 36           | 3.61       | 3.56   | 3.94   | SH   | C1F  | 1.31       | -    | 0.50 | 1 11/16             | 1 5/8                 | 3.53  |
| +P38-8M-50-SH                                             | 38           | 3.81       | 3.76   | 4.09   | SH   | C1F  | 1.31       | -    | 0.50 | 1 11/16             | 1 5/8                 | 3.26  |
| +P40-8M-50-SH                                             | 40           | 4.01       | 3.96   | 4.33   | SH   | C1F  | 1.31       | -    | 0.50 | 1 11/16             | 1 5/8                 | 3.55  |
| P44-8M-50-SD                                              | 44           | 4.41       | 4.36   | 4.69   | SD   | C1F  | 1.81       | -    | 0.56 | 2                   | 1 15/16               | 4.54  |
| P48-8M-50-SD                                              | 48           | 4.81       | 4.76   | 5.16   | SD   | C1F  | 1.81       | -    | 0.56 | 2                   | 1 15/16               | 5.36  |
| P56-8M-50-SK                                              | 56           | 5.61       | 5.56   | 5.98   | SK   | C1F  | 1.94       | -    | 0.56 | 2 5/8               | 2 1/2                 | 6.72  |
| P64-8M-50-SK                                              | 64           | 6.42       | 6.36   | 6.89   | SK   | C1F  | 1.94       | -    | 0.56 | 2 5/8               | 2 1/2                 | 8.74  |
| P72-8M-50-SK                                              | 72           | 7.22       | 7.17   | 7.56   | SK   | C1F  | 1.94       | -    | 0.56 | 2 5/8               | 2 1/2                 | 10.98 |
| P80-8M-50-SF                                              | 80           | 8.02       | 7.97   | 8.39   | SF   | C1F  | 2.06       | -    | 0.56 | 2 15/16             | 2 7/8                 | 13.72 |
| P90-8M-50-SF                                              | 90           | 9.02       | 8.97   | -      | SF   | D1   | 2.06       | -    | 0.56 | 2 15/16             | 2 7/8                 | 15.64 |
| P112-8M-50-SF                                             | 112          | 11.23      | 11.17  | -      | SF   | D2   | 2.06       | -    | 0.75 | 2 15/16             | 2 7/8                 | 21.64 |

\* = Can only be mounted from one direction

+ = Includes cap screws to be used in place of the ones that come with the bushing

PB pulleys have no keyway and no set screw. Rebores available upon request.

## 8M HTD Timing Pulley Dimensions

The Timing Pulleys listed below are all stock sizes.

The figure following the type sketch letter in the “Type” column indicates the construction: (1-Solid, 2-Web, 3-Spoked), and the letter F indicates the sprocket has flanges.

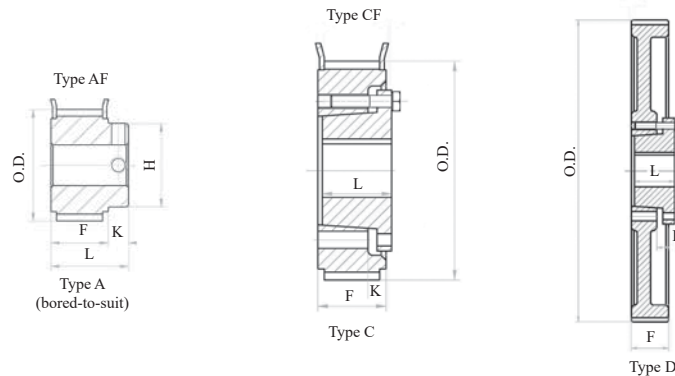
For 8M HTD Timing Belts.

See page 123

Order QD bushings separately

Stock Bushings Located

on Pages 84-85.



For belts 85MM wide \* 8MM Pitch \* Face Width (F) = 3 3/4"

| Part No.       | No. of Teeth | Pitch Dia. | O.D.   |        | Bore | Type | Dimensions |      |      | Max. Bore No Keyway | Max. Bore Std. Keyway | Wt.   |
|----------------|--------------|------------|--------|--------|------|------|------------|------|------|---------------------|-----------------------|-------|
|                |              |            | Pulley | Flange |      |      | L          | H    | K    |                     |                       |       |
| P34-8M-85-PB   | 34           | 3.41       | 3.35   | 3.86   | MPB  | A1F  | 4.49       | 2.76 | 0.75 | 2 1/2               | 2                     | 6.56  |
| +*P36-8M-85-SH | 36           | 3.61       | 3.56   | 3.94   | SH   | C1F  | 1.31       | -    | 1.47 | 1 11/16             | 1 5/8                 | 4.68  |
| +P38-8M-85-SH  | 38           | 3.81       | 3.76   | 4.09   | SH   | C1F  | 1.31       | -    | 1.47 | 1 11/16             | 1 5/8                 | 5.09  |
| +P40-8M-85-SD  | 40           | 4.01       | 3.96   | 4.33   | SD   | C1F  | 1.81       | -    | 1.24 | 2                   | 1 15/16               | 5.51  |
| +P44-8M-85-SD  | 44           | 4.41       | 4.36   | 4.69   | SD   | C1F  | 1.81       | -    | 1.24 | 2                   | 1 15/16               | 6.48  |
| P48-8M-85-SD   | 48           | 4.81       | 4.76   | 5.16   | SD   | C1F  | 1.81       | -    | 1.24 | 2                   | 1 15/16               | 7.51  |
| P56-8M-85-SK   | 56           | 5.61       | 5.56   | 5.98   | SK   | C1F  | 1.94       | -    | 1.24 | 2 5/8               | 2 1/2                 | 9.29  |
| P64-8M-85-SK   | 64           | 6.42       | 6.36   | 6.89   | SK   | C1F  | 1.94       | -    | 1.24 | 2 5/8               | 2 1/2                 | 11.44 |
| P72-8M-85-SF   | 72           | 7.22       | 7.17   | 7.56   | SF   | C1F  | 2.06       | -    | 1.24 | 2 15/16             | 2 7/8                 | 14.16 |
| P80-8M-85-SF   | 80           | 8.02       | 7.97   | 8.39   | SF   | C1F  | 2.06       | -    | 1.24 | 2 15/16             | 2 7/8                 | 18.15 |
| P90-8M-85-SF   | 90           | 9.02       | 8.97   | -      | SF   | D1   | 2.06       | -    | 1.24 | 2 15/16             | 2 7/8                 | 23.35 |
| P112-8M-85-SF  | 112          | 11.23      | 11.17  | -      | SF   | D2   | 2.06       | -    | 1.24 | 2 15/16             | 2 7/8                 | 36.95 |

\* = Can only be mounted from one direction

+ = Includes cap screws to be used in place of the ones that come with the bushing

PB pulleys have no keyway and no set screw. Rebore available upon request.

For 14M HTD Timing Belts.

See page 124

Order QD bushings separately

Stock Bushings Located

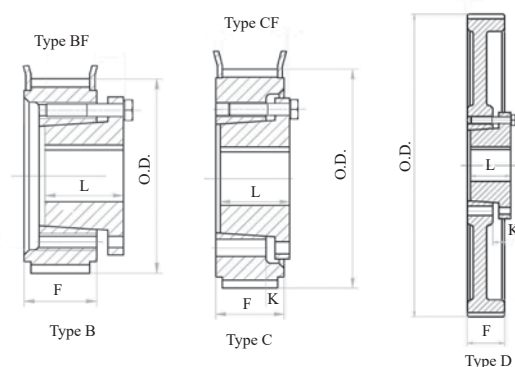
on Pages 84-85.

## 14M HTD Timing Pulley Dimensions

The Timing Pulleys listed below are all stock sizes.

The figure following the type sketch letter in the "Type" column indicates the construction:

(1-Solid, 2-Web, 3-Spoked), and the letter F indicates the sprocket has flanges.



For belts 40MM wide \* 14MM Pitch \* Face Width (F) = 2 1/8"

| Part No.       | No. of Teeth | Pitch Dia. | O.D.   |        | Bore | Type | Dimensions |   |      | Max. Bore No Keyway | Max. Bore Std. Keyway | Wt.   |
|----------------|--------------|------------|--------|--------|------|------|------------|---|------|---------------------|-----------------------|-------|
|                |              |            | Pulley | Flange |      |      | L          | H | K    |                     |                       |       |
| *P28-14M-40-SK | 28           | 4.91       | 4.81   | 5.55   | SK   | B1F  | 1.94       | - | -    | 2 5/8               | 2 1/2                 | 4.93  |
| *P29-14M-40-SK | 29           | 5.09       | 4.98   | 5.55   | SK   | B1F  | 1.94       | - | -    | 2 5/8               | 2 1/2                 | 5.41  |
| P30-14M-40-SK  | 30           | 5.26       | 5.16   | 6.10   | SK   | C1F  | 1.94       | - | 0.44 | 2 5/8               | 2 1/2                 | 5.73  |
| P32-14M-40-SK  | 32           | 5.61       | 5.51   | 6.10   | SK   | C1F  | 1.94       | - | 0.44 | 2 5/8               | 2 1/2                 | 6.44  |
| P34-14M-40-SK  | 34           | 5.97       | 5.86   | 6.50   | SK   | C1F  | 1.94       | - | 0.44 | 2 5/8               | 2 1/2                 | 7.45  |
| P36-14M-40-SF  | 36           | 6.32       | 6.21   | 6.81   | SF   | C1F  | 2.06       | - | 0.44 | 2 15/16             | 2 7/8                 | 7.83  |
| P38-14M-40-SF  | 38           | 6.67       | 6.56   | 7.21   | SF   | C1F  | 2.06       | - | 0.44 | 2 15/16             | 2 7/8                 | 8.85  |
| P40-14M-40-SF  | 40           | 7.02       | 6.91   | 7.52   | SF   | C1F  | 2.06       | - | 0.44 | 2 15/16             | 2 7/8                 | 10.05 |
| P44-14M-40-E   | 44           | 7.72       | 7.61   | 8.23   | E    | C1F  | 2.75       | - | 0.50 | -                   | 3 1/2                 | 11.89 |
| P48-14M-40-E   | 48           | 8.42       | 8.31   | 8.90   | E    | C1F  | 2.75       | - | 0.50 | -                   | 3 1/2                 | 15.24 |
| P52-14M-40-E   | 52           | 9.12       | 9.01   | 9.61   | E    | C1F  | 2.75       | - | 0.25 | -                   | 3 1/2                 | 18.13 |
| P56-14M-40-E   | 56           | 9.83       | 9.72   | 10.39  | E    | C1F  | 2.75       | - | 0.25 | -                   | 3 1/2                 | 21.22 |
| P60-14M-40-E   | 60           | 10.53      | 10.42  | 11.14  | E    | C1F  | 2.75       | - | 0.50 | -                   | 3 1/2                 | 24.60 |
| P64-14M-40-E   | 64           | 11.23      | 11.12  | 11.73  | E    | C1F  | 2.75       | - | 0.50 | -                   | 3 1/2                 | 22.36 |
| P68-14M-40-E   | 68           | 11.93      | 11.82  | 12.48  | E    | C2F  | 2.75       | - | 0.50 | -                   | 3 1/2                 | 23.90 |
| P72-14M-40-E   | 72           | 12.63      | 12.52  | 13.19  | E    | C2F  | 2.75       | - | 0.31 | -                   | 3 1/2                 | 24.41 |
| P80-14M-40-E   | 80           | 14.04      | 13.93  | 14.65  | E    | C3F  | 2.75       | - | 0.50 | -                   | 3 1/2                 | 27.01 |
| P90-14M-40-E   | 90           | 15.82      | 15.68  | -      | E    | D3   | 2.75       | - | 0.25 | -                   | 3 1/2                 | 29.39 |
| P112-14M-40-E  | 112          | 19.65      | 19.54  | -      | E    | D3   | 2.75       | - | 0.25 | -                   | 3 1/2                 | 41.04 |

\* = Can only be mounted from one direction



## 14M HTD Timing Pulley Dimensions

The Timing Pulleys listed below are all stock sizes.

The figure following the type sketch letter in the "Type" column indicates the construction:

(1-Solid, 2-Web, 3-Spoked), and the letter F indicates the sprocket has flanges.

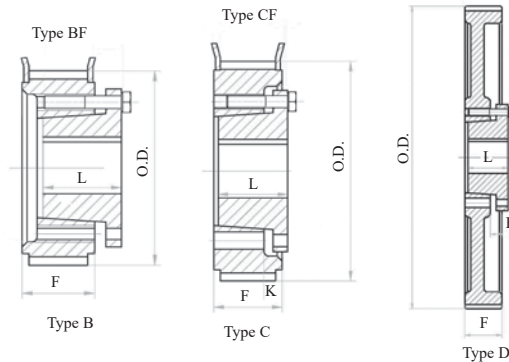
For 14M HTD Timing Belts.

See page 124

Order QD bushings separately

Stock Bushings Located

on Pages 84-85.



| For belts 55MM wide * 14MM Pitch * Face Width (F) = 2 3/4" |              |            |        |        |      |      |            |   |      |                     |                       |       |
|------------------------------------------------------------|--------------|------------|--------|--------|------|------|------------|---|------|---------------------|-----------------------|-------|
| Part No.                                                   | No. of Teeth | Pitch Dia. | O.D.   |        | Bore | Type | Dimensions |   |      | Max. Bore No Keyway | Max. Bore Std. Keyway | Wt.   |
|                                                            |              |            | Pulley | Flange |      |      | L          | H | K    |                     |                       |       |
| *P28-14M-55-SK                                             | 28           | 4.91       | 4.81   | 5.55   | SK   | B1F  | 1.94       | - | -    | 2 5/8               | 2 1/2                 | 6.14  |
| *P29-14M-55-SK                                             | 29           | 5.09       | 4.98   | 5.55   | SK   | B1F  | 1.94       | - | -    | 2 5/8               | 2 1/2                 | 6.75  |
| +P30-14M-55-SK                                             | 30           | 5.26       | 5.16   | 6.10   | SK   | C1F  | 1.94       | - | 0.75 | 2 5/8               | 2 1/2                 | 7.07  |
| +P32-14M-55-SK                                             | 32           | 5.61       | 5.51   | 6.10   | SK   | C1F  | 1.94       | - | 0.75 | 2 5/8               | 2 1/2                 | 7.81  |
| +P34-14M-55-SK                                             | 34           | 5.97       | 5.86   | 6.50   | SK   | C1F  | 1.94       | - | 0.75 | 2 5/8               | 2 1/2                 | 9.04  |
| +P36-14M-55-SF                                             | 36           | 6.32       | 6.21   | 6.81   | SF   | C1F  | 2.06       | - | 0.75 | 2 15/16             | 2 7/8                 | 9.36  |
| P38-14M-55-SF                                              | 38           | 6.67       | 6.56   | 7.21   | SF   | C1F  | 2.06       | - | 0.75 | 2 15/16             | 2 7/8                 | 10.55 |
| P40-14M-55-SF                                              | 40           | 7.02       | 6.91   | 7.52   | SF   | C1F  | 2.06       | - | 0.75 | 2 15/16             | 2 7/8                 | 12.01 |
| P44-14M-55-E                                               | 44           | 7.72       | 7.61   | 8.23   | E    | C1F  | 2.75       | - | 0.56 | -                   | 3 1/2                 | 13.80 |
| P48-14M-55-E                                               | 48           | 8.42       | 8.31   | 8.90   | E    | C1F  | 2.75       | - | 0.56 | -                   | 3 1/2                 | 17.71 |
| P52-14M-55-E                                               | 52           | 9.12       | 9.01   | 9.61   | E    | C1F  | 2.75       | - | 0.56 | -                   | 3 1/2                 | 20.86 |
| P56-14M-55-E                                               | 56           | 9.83       | 9.72   | 10.39  | E    | C1F  | 2.75       | - | 0.56 | -                   | 3 1/2                 | 24.19 |
| P60-14M-55-E                                               | 60           | 10.53      | 10.42  | 11.14  | E    | C1F  | 2.75       | - | 0.56 | -                   | 3 1/2                 | 27.91 |
| P64-14M-55-F                                               | 64           | 11.23      | 11.12  | 11.73  | F    | C1F  | 3.75       | - | 0.13 | 4                   | 3 15/16               | 37.14 |
| P68-14M-55-F                                               | 68           | 11.93      | 11.82  | 12.48  | F    | C1F  | 3.75       | - | 0.13 | 4                   | 3 15/16               | 33.38 |
| P72-14M-55-F                                               | 72           | 12.63      | 12.52  | 13.19  | F    | C1F  | 3.75       | - | 0.13 | 4                   | 3 15/16               | 33.24 |
| P80-14M-55-F                                               | 80           | 14.04      | 13.93  | 14.65  | F    | C1F  | 3.75       | - | 0.13 | 4                   | 3 15/16               | 36.80 |
| P90-14M-55-F                                               | 90           | 15.82      | 15.68  | -      | F    | D2   | 3.75       | - | 0.13 | 4                   | 3 15/16               | 39.60 |
| P112-14M-55-F                                              | 112          | 19.65      | 19.54  | -      | F    | D3   | 3.75       | - | 0.13 | 4                   | 3 15/16               | 52.34 |

\* = Can only be mounted from one direction

+ = Includes cap screws to be used in place of the ones that come with the bushing

## 14M HTD Timing Pulley Dimensions

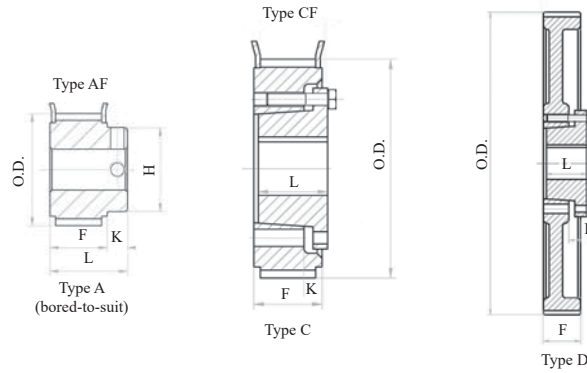
For 14M HTD Timing Belts.

See page 124

Order QD bushings separately  
Stock Bushings Located  
on Pages 84-85.

The Timing Pulleys listed below are all stock sizes.

The figure following the type sketch letter in the "Type" column indicates the construction:  
(1-Solid, 2-Web, 3-Spoked), and the letter F indicates the sprocket has flanges.



| For belts 85MM wide * 14MM Pitch * Face Width (F) = 4" |              |            |        |        |      |      |            |      |      |                     |                       |       |
|--------------------------------------------------------|--------------|------------|--------|--------|------|------|------------|------|------|---------------------|-----------------------|-------|
| Part No.                                               | No. of Teeth | Pitch Dia. | O.D.   |        | Bore | Type | Dimensions |      |      | Max. Bore No Keyway | Max. Bore Std. Keyway | Wt.   |
|                                                        |              |            | Pulley | Flange |      |      | L          | H    | K    |                     |                       |       |
| P28-14M-85-PB                                          | 28           | 4.91       | 4.81   | 5.55   | MPB  | A1F  | 4.00       | 3.69 | 1.00 | 3 7/16              | 2 3/4                 | 8.94  |
| P29-14M-85-PB                                          | 29           | 5.09       | 4.98   | 5.55   | MPB  | A1F  | 4.00       | 3.69 | 1.00 | 3 7/16              | 2 3/4                 | 9.58  |
| +P30-14M-85-SK                                         | 30           | 5.26       | 5.16   | 6.10   | SK   | C1F  | 1.94       | -    | 1.37 | 2 5/8               | 2 1/2                 | 10.17 |
| +P32-14M-85-SK                                         | 32           | 5.61       | 5.51   | 6.10   | SK   | C1F  | 1.94       | -    | 1.37 | 2 5/8               | 2 1/2                 | 11.02 |
| +P34-14M-85-SK                                         | 34           | 5.97       | 5.86   | 6.50   | SK   | C1F  | 1.94       | -    | 1.37 | 2 5/8               | 2 1/2                 | 12.72 |
| +P36-14M-85-SF                                         | 36           | 6.32       | 6.21   | 6.81   | SF   | C1F  | 2.06       | -    | 1.50 | 2 15/16             | 2 7/8                 | 12.98 |
| P38-14M-85-SF                                          | 38           | 6.67       | 6.56   | 7.21   | SF   | C1F  | 2.06       | -    | 1.37 | 2 15/16             | 2 7/8                 | 14.53 |
| P40-14M-85-SF                                          | 40           | 7.02       | 6.91   | 7.52   | SF   | C1F  | 2.06       | -    | 1.37 | 2 15/16             | 2 7/8                 | 16.56 |
| +P44-14M-85-E                                          | 44           | 7.72       | 7.61   | 8.23   | E    | C1F  | 2.75       | -    | 1.19 | -                   | 3 1/2                 | 18.31 |
| P48-14M-85-E                                           | 48           | 8.42       | 8.31   | 8.90   | E    | C1F  | 2.75       | -    | 1.19 | -                   | 3 1/2                 | 22.67 |
| P52-14M-85-E                                           | 52           | 9.12       | 9.01   | 9.61   | E    | C1F  | 2.75       | -    | 1.19 | -                   | 3 1/2                 | 26.33 |
| P56-14M-85-F                                           | 56           | 9.83       | 9.72   | 10.39  | F    | C1F  | 3.75       | -    | 0.75 | 4                   | 3 15/16               | 33.44 |
| P60-14M-85-F                                           | 60           | 10.53      | 10.42  | 11.14  | F    | C1F  | 3.75       | -    | 0.75 | 4                   | 3 15/16               | 38.80 |
| P64-14M-85-F                                           | 64           | 11.23      | 11.12  | 11.73  | F    | C1F  | 3.75       | -    | 0.75 | 4                   | 3 15/16               | 44.12 |
| P68-14M-85-F                                           | 68           | 11.93      | 11.82  | 12.48  | F    | C1F  | 3.75       | -    | 0.75 | 4                   | 3 15/16               | 41.42 |
| P72-14M-85-F                                           | 72           | 12.63      | 12.52  | 13.19  | F    | C1F  | 3.75       | -    | 0.75 | 4                   | 3 15/16               | 43.74 |
| P80-14M-85-F                                           | 80           | 14.04      | 13.93  | 14.65  | F    | C1F  | 3.75       | -    | 0.75 | 4                   | 3 15/16               | 46.21 |
| P90-14M-85-F                                           | 90           | 15.82      | 15.68  | -      | F    | D3   | 3.75       | -    | 0.75 | 4                   | 3 15/16               | 50.22 |
| P112-14M-85-F                                          | 112          | 19.65      | 19.54  | -      | F    | D3   | 3.75       | -    | 0.75 | 4                   | 3 15/16               | 65.42 |

+ = Includes cap screws to be used in place of the ones that come with the bushing

PB pulleys have no keyway and no set screw. Rebore available upon request.

## 14M HTD Timing Pulley Dimensions

The Timing Pulleys listed below are all stock sizes.

The figure following the type sketch letter in the "Type" column indicates the construction: (1-Solid, 2-Web, 3-Spoked), and the letter F indicates the sprocket has flanges.

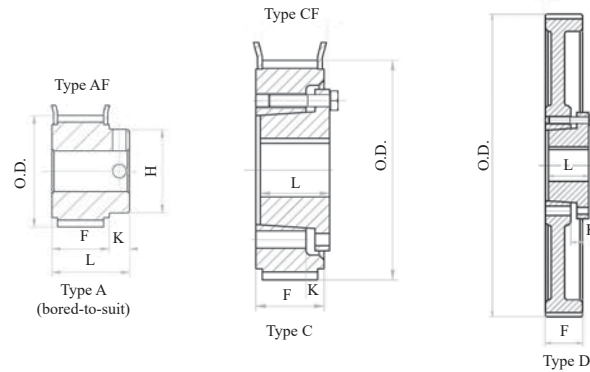
For 14M HTD Timing Belts.

See page 124

Order QD bushings separately

Stock Bushings Located

on Pages 84-85.



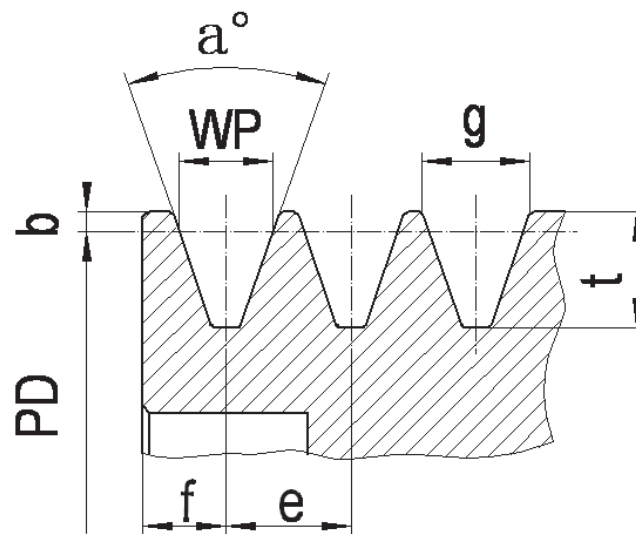
| For belts 115MM wide * 14MM Pitch * Face Width (F) = 5 1/4" |              |            |        |        |      |      |            |      |      |                     |                       |       |
|-------------------------------------------------------------|--------------|------------|--------|--------|------|------|------------|------|------|---------------------|-----------------------|-------|
| Part No.                                                    | No. of Teeth | Pitch Dia. | O.D.   |        | Bore | Type | Dimensions |      |      | Max. Bore No Keyway | Max. Bore Std. Keyway | Wt.   |
|                                                             |              |            | Pulley | Flange |      |      | L          | H    | K    |                     |                       |       |
| P28-14M-115-PB                                              | 28           | 4.91       | 4.81   | 5.55   | MPB  | A1F  | 5.00       | 3.69 | 1.25 | 3 7/16              | 2 3/4                 | 11.10 |
| P29-14M-115-PB                                              | 29           | 5.09       | 4.98   | 5.55   | MPB  | A1F  | 5.00       | 3.69 | 1.25 | 3 7/16              | 2 3/4                 | 12.24 |
| +P30-14M-115-SK                                             | 30           | 5.26       | 5.16   | 6.10   | SK   | C1F  | 1.94       | -    | 2.00 | 2 5/8               | 2 1/2                 | 12.94 |
| +P32-14M-115-SK                                             | 32           | 5.61       | 5.51   | 6.10   | SK   | C1F  | 1.94       | -    | 2.00 | 2 5/8               | 2 1/2                 | 13.87 |
| +P34-14M-115-SK                                             | 34           | 5.97       | 5.86   | 6.50   | SK   | C1F  | 1.94       | -    | 2.00 | 2 5/8               | 2 1/2                 | 16.01 |
| +P36-14M-115-SF                                             | 36           | 6.32       | 6.21   | 6.81   | SF   | C1F  | 2.06       | -    | 2.00 | 2 15/16             | 2 7/8                 | 16.16 |
| P38-14M-115-SF                                              | 38           | 6.67       | 6.56   | 7.21   | SF   | C1F  | 2.06       | -    | 2.00 | 2 15/16             | 2 7/8                 | 18.06 |
| P40-14M-115-SF                                              | 40           | 7.02       | 6.91   | 7.52   | SF   | C1F  | 2.06       | -    | 2.00 | 2 15/16             | 2 7/8                 | 20.63 |
| +P44-14M-115-E                                              | 44           | 7.72       | 7.61   | 8.23   | E    | C1F  | 2.75       | -    | 2.00 | -                   | 3 1/2                 | 22.28 |
| P48-14M-115-E                                               | 48           | 8.42       | 8.31   | 8.90   | E    | C1F  | 2.75       | -    | 1.94 | -                   | 3 1/2                 | 27.62 |
| P52-14M-115-F                                               | 52           | 9.12       | 9.01   | 9.61   | F    | C1F  | 3.75       | -    | 1.38 | 4                   | 3 15/16               | 34.08 |
| P56-14M-115-F                                               | 56           | 9.83       | 9.72   | 10.39  | F    | C1F  | 3.75       | -    | 1.38 | 4                   | 3 15/16               | 39.38 |
| P60-14M-115-F                                               | 60           | 10.53      | 10.42  | 11.14  | F    | C1F  | 3.75       | -    | 1.38 | 4                   | 3 15/16               | 45.41 |
| P64-14M-115-J                                               | 64           | 11.23      | 11.12  | 11.73  | J    | C1F  | 4.63       | -    | 1.00 | -                   | 4 1/2                 | 53.84 |
| P68-14M-115-J                                               | 68           | 11.93      | 11.82  | 12.48  | J    | C1F  | 4.63       | -    | 1.00 | -                   | 4 1/2                 | 60.87 |
| P72-14M-115-J                                               | 72           | 12.63      | 12.52  | 13.19  | J    | C1F  | 4.63       | -    | 1.00 | -                   | 4 1/2                 | 68.57 |
| P80-14M-115-J                                               | 80           | 14.04      | 13.93  | 14.65  | J    | C2F  | 4.63       | -    | 1.00 | -                   | 4 1/2                 | 65.99 |
| P90-14M-115-J                                               | 90           | 15.82      | 15.68  | -      | J    | D2   | 4.63       | -    | 1.00 | -                   | 4 1/2                 | 74.70 |
| P112-14M-115-J                                              | 112          | 19.65      | 19.54  | -      | J    | D3   | 4.63       | -    | 1.00 | -                   | 4 1/2                 | 86.79 |

+ = Includes cap screws to be used in place of the ones that come with the bushing

PB pulleys have no keyway and no set screw. Rebore available upon request.

## 1/SPZ60-1008

| Number of Grooves | Belt Size | Pitch Dia. | Bushing |
|-------------------|-----------|------------|---------|
| 1                 | SPZ       | 60MM       | 1008    |



(mm)

| Groove Profile | WP   | b   | t    | e    | f    | PD         | Angle $a^\circ$ | g     |
|----------------|------|-----|------|------|------|------------|-----------------|-------|
| SPZ            | 8.5  | 2.0 | 11.0 | 12   | 8.0  | $\leq 80$  | 34              | 9.72  |
|                |      |     |      |      |      | $> 80$     | 38              | 9.88  |
| SPA            | 11.0 | 2.8 | 13.8 | 15   | 10.0 | $\leq 118$ | 34              | 12.68 |
|                |      |     |      |      |      | $> 118$    | 38              | 12.89 |
| SPB            | 14.0 | 3.5 | 17.5 | 19   | 12.5 | $\leq 190$ | 34              | 16.14 |
|                |      |     |      |      |      | $> 190$    | 38              | 16.41 |
| SPC            | 19.0 | 4.8 | 23.8 | 25.5 | 17.0 | $\leq 315$ | 34              | 21.94 |
|                |      |     |      |      |      | $> 315$    | 38              | 22.31 |

Cast Iron Sheaves - **Heavy Duty**

 Bushed, **One and Two Groove**

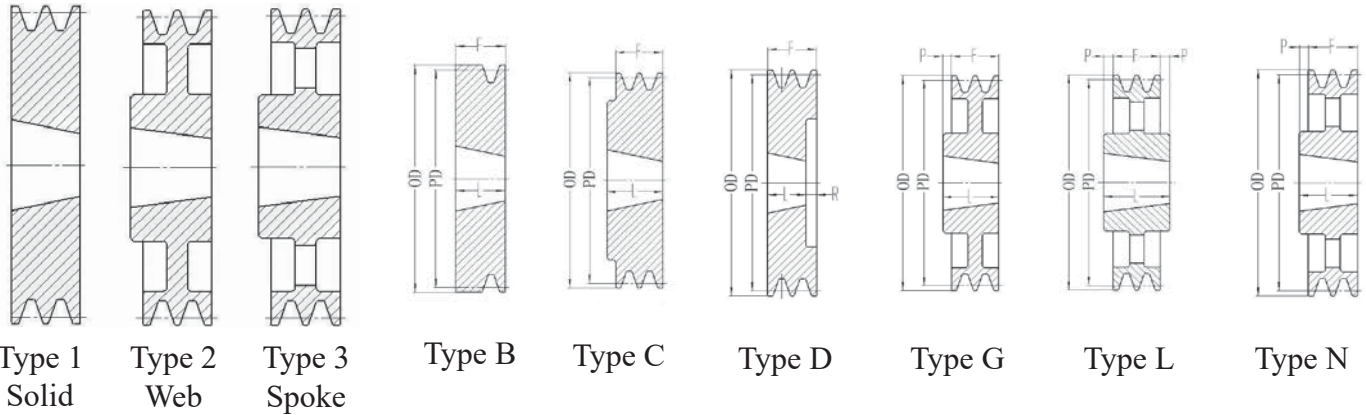
SPZ TB Sheaves

Order part number size

Example: 1/SPZ60-1008

**For SPZ V-Belts**

Order TB bushings separately (Pages 87-88)



| O.D.<br>(mm) | P.D.<br>(mm) | Part No.      | Bush | Type | Dimensions (mm) |    |   |    | Wt.   | Part No.      | Bush  | Type | Dimensions (mm) |    |    |     | Wt.   |
|--------------|--------------|---------------|------|------|-----------------|----|---|----|-------|---------------|-------|------|-----------------|----|----|-----|-------|
|              |              |               |      |      | F               | L  | R | P  |       |               |       |      | F               | L  | R  | P   |       |
| 64           | 60           | 1/SPZ60-1008  | 1008 | B-1  | 22              | 22 | - | -  | 0.68  | 2/SPZ60-1108  | 1108  | D-1  | 49              | 22 | 27 | -   | 1.48  |
| 67           | 63           | 1/SPZ63-1108  | 1108 | C-1  | 16              | 22 | - | -  | 0.62  | 2/SPZ63-1108  | 1108  | D-1  | 28              | 22 | 6  | -   | 0.68  |
| 71           | 67           | 1/SPZ67-1108  | 1108 | C-1  | 16              | 22 | - | -  | 0.71  | 2/SPZ67-1108  | 1108  | D-1  | 28              | 22 | 6  | -   | 0.84  |
| 75           | 71           | 1/SPZ71-1108  | 1108 | C-1  | 16              | 22 | - | -  | 0.79  | 2/SPZ71-1108  | 1108  | D-1  | 28              | 22 | 6  | -   | 0.97  |
| 79           | 75           | 1/SPZ75-1108  | 1108 | C-1  | 16              | 22 | - | -  | 0.90  | 2/SPZ75-1210  | 1210  | D-1  | 28              | 25 | 3  | -   | 0.93  |
| 84           | 80           | 1/SPZ80-1210  | 1210 | C-1  | 16              | 25 | - | -  | 1.12  | 2/SPZ80-1210  | 1210  | D-1  | 28              | 25 | 3  | -   | 1.17  |
| 89           | 85           | 1/SPZ85-1210  | 1210 | C-1  | 16              | 25 | - | -  | 1.28  | 2/SPZ85-1610  | 1610  | D-1  | 28              | 25 | 3  | -   | 1.17  |
| 94           | 90           | 1/SPZ90-1210  | 1210 | C-1  | 16              | 25 | - | -  | 1.46  | 2/SPZ90-1610  | 1610  | D-1  | 28              | 25 | 3  | -   | 1.43  |
| 99           | 95           | 1/SPZ95-1210  | 1210 | C-1  | 16              | 25 | - | -  | 1.63  | 2/SPZ95-1610  | 1610  | D-1  | 28              | 25 | 3  | -   | 1.68  |
| 104          | 100          | 1/SPZ100-1210 | 1210 | C-1  | 16              | 25 | - | -  | 1.81  | 2/SPZ100-1610 | 1610  | D-1  | 28              | 25 | 3  | -   | 2.01  |
| 110          | 106          | 1/SPZ106-1610 | 1610 | C-1  | 16              | 25 | - | -  | 2.09  | 2/SPZ106-1610 | 1610  | D-1  | 28              | 25 | 3  | -   | 2.51  |
| 116          | 112          | 1/SPZ112-1610 | 1610 | C-1  | 16              | 25 | - | -  | 2.18  | 2/SPZ112-1610 | 1610  | D-1  | 28              | 25 | 3  | -   | 2.80  |
| 122          | 118          | 1/SPZ118-1610 | 1610 | C-1  | 16              | 25 | - | -  | 2.47  | 2/SPZ118-1610 | 1610  | D-1  | 28              | 25 | 3  | -   | 3.42  |
| 129          | 125          | 1/SPZ125-1610 | 1610 | C-1  | 16              | 25 | - | -  | 2.82  | 2/SPZ125-1610 | 1610  | D-1  | 28              | 25 | 3  | -   | 2.82  |
| 136          | 132          | 1/SPZ132-1610 | 1610 | C-1  | 16              | 25 | - | -  | 3.53  | 2/SPZ132-1610 | 1610  | D-1  | 28              | 25 | 3  | -   | 4.30  |
| 144          | 140          | 1/SPZ140-1610 | 1610 | G-2  | 16              | 25 | - | 9  | 3.02  | 2/SPZ140-1610 | 1610  | D-1  | 28              | 25 | 3  | -   | 4.96  |
| 154          | 150          | 1/SPZ150-1610 | 1610 | G-2  | 16              | 25 | - | 9  | 3.42  | 2/SPZ150-2012 | 2012  | C-1  | 28              | 32 | -  | -   | 6.13  |
| 164          | 160          | 1/SPZ160-1610 | 1610 | G-2  | 16              | 25 | - | 9  | 3.75  | 2/SPZ160-2012 | 2012  | G-2  | 28              | 32 | -  | 4   | 5.62  |
| 174          | 170          | 1/SPZ170-1610 | 1610 | G-2  | 16              | 25 | - | 9  | 4.08  | 2/SPZ170-2012 | 2012  | G-2  | 28              | 32 | -  | 4   | 6.04  |
| 184          | 180          | 1/SPZ180-1610 | 1610 | G-2  | 16              | 25 | - | 9  | 4.45  | 2/SPZ180-2012 | 2012  | G-2  | 28              | 32 | -  | 4   | 5.95  |
| 194          | 190          | 1/SPZ190-1610 | 1610 | G-2  | 16              | 25 | - | 9  | 4.76  | 2/SPZ190-2012 | 2012  | G-2  | 28              | 32 | -  | 4   | 7.32  |
| 204          | 200          | 1/SPZ200-2012 | 2012 | G-2  | 16              | 32 | - | 16 | 6.24  | 2/SPZ200-2012 | 2012  | G-2  | 28              | 32 | -  | 4   | 7.96  |
| 228          | 224          | 1/SPZ224-2012 | 2012 | N-3  | 16              | 32 | - | 16 | 6.83  | 2/SPZ224-2012 | 2012  | N-3  | 28              | 32 | -  | 4   | 8.77  |
| 254          | 250          | 1/SPZ250-2012 | 2012 | L-3  | 16              | 32 | - | 8  | 7.43  | 2/SPZ250-2012 | 2012  | L-3  | 28              | 32 | -  | 2   | 10.16 |
| 284          | 280          | 1/SPZ280-2012 | 2012 | L-3  | 16              | 32 | - | 8  | 8.31  |               |       |      |                 |    |    |     |       |
| 319          | 315          | 1/SPZ315-2012 | 2012 | L-3  | 16              | 32 | - | 8  | 10.91 | 2/SPZ315-2012 | 2012  | L-3  | 28              | 32 | -  | 2   | 11.93 |
| 359          | 355          | 1/SPZ355-2012 | 2012 | L-3  | 16              | 32 | - | 8  | 11.57 | 2/SPZ355-2012 | 2012  | L-3  | 28              | 32 | -  | 2   | 16.76 |
| 404          | 400          | 1/SPZ400-2012 | 2012 | L-3  | 16              | 32 | - | 8  | 14.11 | 2/SPZ400-2517 | *2517 | L-3  | 28              | 45 | -  | 8.5 | 21.83 |
| 454          | 450          |               |      |      |                 |    |   |    |       | 2/SPZ450-2517 | *2517 | L-3  | 28              | 45 | -  | 8.5 | 22.71 |
| 504          | 500          |               |      |      |                 |    |   |    |       | 2/SPZ500-2517 | *2517 | L-3  | 28              | 45 | -  | 8.5 | 28.66 |

\* Caution: Metric sheaves requiring TB bushing 2517 or 3535 MUST use bushings with BSW threads (2517-BSW or 3535-BSW)



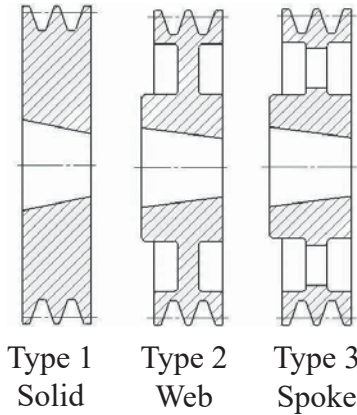
# SPZ Sheaves

Cast Iron Sheaves - **Heavy Duty**  
Bushed, **Three and Four Groove**  
SPZ TB Sheaves

Order part number size  
Example: 3/SPZ63-1108

**For SPZ V-Belts**

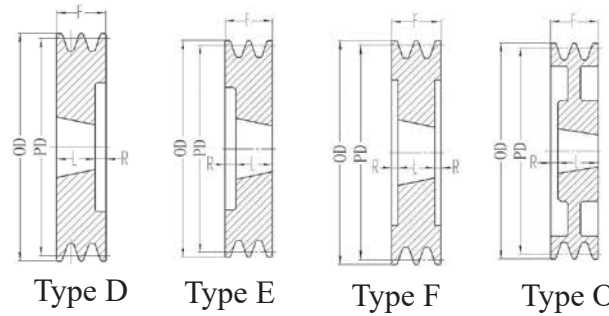
Order TB bushings separately (Pages 87-88)



Type 1  
Solid

Type 2  
Web

Type 3  
Spoke

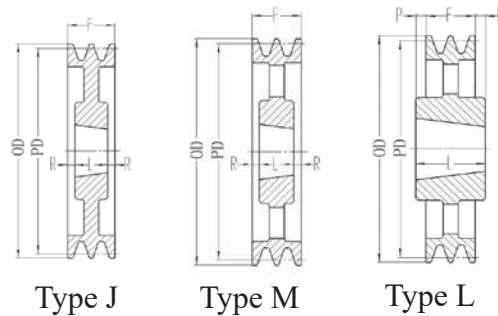


Type D

Type E

Type F

Type O



Type J

Type M

Type L

| O.D.<br>(mm) | P.D.<br>(mm) | Part No.      | Bush  | Type | Dimensions (mm) |    |    |     | Wt.   | Part No.      | Bush  | Type | Dimensions (mm) |    |     |    | Wt.   |
|--------------|--------------|---------------|-------|------|-----------------|----|----|-----|-------|---------------|-------|------|-----------------|----|-----|----|-------|
|              |              |               |       |      | F               | L  | R  | P   |       |               |       |      | F               | L  | R   | P  |       |
| 67           | 63           | 3/SPZ63-1108  | 1108  | D-1  | 40              | 22 | 18 | -   | 1.01  |               |       |      |                 |    |     |    |       |
| 71           | 67           | 3/SPZ67-1108  | 1108  | D-1  | 40              | 22 | 18 | -   | 1.17  |               |       |      |                 |    |     |    |       |
| 75           | 71           | 3/SPZ71-1108  | 1108  | D-1  | 40              | 22 | 18 | -   | 1.37  |               |       |      |                 |    |     |    |       |
| 79           | 75           | 3/SPZ75-1210  | 1210  | D-1  | 40              | 25 | 15 | -   | 1.28  |               |       |      |                 |    |     |    |       |
| 84           | 80           | 3/SPZ80-1210  | 1210  | D-1  | 40              | 25 | 15 | -   | 1.57  | 4/SPZ80-1210  | 1210  | D-1  | 52              | 25 | 27  | -  | 1.98  |
| 89           | 85           | 3/SPZ85-1610  | 1610  | D-1  | 40              | 25 | 15 | -   | 1.59  | 4/SPZ85-1610  | 1610  | D-1  | 52              | 25 | 27  | -  | 2.07  |
| 94           | 90           | 3/SPZ90-1610  | 1610  | D-1  | 40              | 25 | 15 | -   | 1.90  | 4/SPZ90-1610  | 1610  | D-1  | 52              | 25 | 27  | -  | 2.40  |
| 99           | 95           | 3/SPZ95-1610  | 1610  | D-1  | 40              | 25 | 15 | -   | 2.23  | 4/SPZ95-1610  | 1610  | D-1  | 52              | 25 | 27  | -  | 2.76  |
| 104          | 100          | 3/SPZ100-1610 | 1610  | D-1  | 40              | 25 | 15 | -   | 2.56  | 4/SPZ100-1610 | 1610  | D-1  | 52              | 25 | 27  | -  | 3.02  |
| 110          | 106          | 3/SPZ106-1610 | 1610  | D-1  | 40              | 25 | 15 | -   | 2.98  | 4/SPZ106-1610 | 1610  | D-1  | 52              | 25 | 27  | -  | 3.40  |
| 116          | 112          | 3/SPZ112-2012 | 2012  | D-1  | 40              | 32 | 8  | -   | 3.20  | 4/SPZ112-2012 | 2012  | D-1  | 52              | 32 | 20  | -  | 3.62  |
| 122          | 118          | 3/SPZ118-2012 | 2012  | D-1  | 40              | 32 | 8  | -   | 3.64  | 4/SPZ118-2012 | 2012  | D-1  | 52              | 32 | 20  | -  | 4.21  |
| 129          | 125          | 3/SPZ125-2012 | 2012  | E-1  | 40              | 32 | 8  | -   | 4.37  | 4/SPZ125-2012 | 2012  | E-1  | 52              | 32 | 20  | -  | 4.92  |
| 136          | 132          | 3/SPZ132-2012 | 2012  | E-1  | 40              | 32 | 8  | -   | 5.09  | 4/SPZ132-2012 | 2012  | E-1  | 52              | 32 | 20  | -  | 5.78  |
| 144          | 140          | 3/SPZ140-2012 | 2012  | E-1  | 40              | 32 | 8  | -   | 3.75  | 4/SPZ140-2012 | 2012  | E-1  | 52              | 32 | 20  | -  | 6.77  |
| 154          | 150          | 3/SPZ150-2012 | 2012  | E-1  | 40              | 32 | 8  | -   | 7.10  | 4/SPZ150-2517 | *2517 | E-1  | 52              | 45 | 7   | -  | 8.33  |
| 164          | 160          | 3/SPZ160-2012 | 2012  | E-1  | 40              | 32 | 8  | -   | 8.36  | 4/SPZ160-2517 | *2517 | E-1  | 52              | 45 | 7   | -  | 10.08 |
| 174          | 170          | 3/SPZ170-2012 | 2012  | F-1  | 40              | 32 | 4  | -   | 9.74  | 4/SPZ170-2517 | *2517 | E-1  | 52              | 45 | 7   | -  | 11.95 |
| 184          | 180          | 3/SPZ180-2012 | 2012  | O-2  | 40              | 32 | 8  | -   | 7.43  | 4/SPZ180-2517 | *2517 | E-1  | 52              | 45 | 7   | -  | 13.85 |
| 194          | 190          | 3/SPZ190-2012 | 2012  | J-2  | 40              | 32 | 4  | -   | 8.47  | 4/SPZ190-2517 | *2517 | J-2  | 52              | 45 | 3.5 | -  | 17.26 |
| 204          | 200          | 3/SPZ200-2012 | 2012  | J-2  | 40              | 32 | 4  | -   | 9.22  | 4/SPZ200-2517 | *2517 | J-2  | 52              | 45 | 3.5 | -  | 11.57 |
| 228          | 224          | 3/SPZ224-2012 | 2012  | J-2  | 40              | 32 | 4  | -   | 10.67 | 4/SPZ224-2517 | *2517 | J-2  | 52              | 45 | 3.5 | -  | 13.43 |
| 254          | 250          | 3/SPZ250-2012 | 2012  | M-3  | 40              | 32 | 4  | -   | 12.32 | 4/SPZ250-2517 | *2517 | J-2  | 52              | 45 | 3.5 | -  | 16.95 |
| 284          | 280          | 3/SPZ280-2517 | 2517  | L-3  | 40              | 45 | -  | 2.5 | 15.98 | 4/SPZ280-2517 | *2517 | M-3  | 52              | 45 | 3.5 | -  | 17.28 |
| 319          | 315          | 3/SPZ315-2517 | *2517 | L-3  | 40              | 45 | -  | 2.5 | 17.04 | 4/SPZ315-2517 | *2517 | M-3  | 52              | 45 | 3.5 | -  | 19.07 |
| 359          | 355          | 3/SPZ355-2517 | *2517 | L-3  | 40              | 45 | -  | 2.5 | 19.86 | 4/SPZ355-2517 | *2517 | M-3  | 52              | 45 | 3.5 | -  | 25.64 |
| 404          | 400          | 3/SPZ400-2517 | *2517 | L-3  | 40              | 45 | -  | 2.5 | 24.91 | 4/SPZ400-2517 | *2517 | M-3  | 52              | 45 | 3.5 | -  | 28.66 |
| 454          | 450          | 3/SPZ450-2517 | *2517 | L-3  | 40              | 45 | -  | 2.5 | 26.68 | 4/SPZ450-3020 | 3020  | M-3  | 52              | 51 | 0.5 | -  | 36.82 |
| 504          | 500          | 3/SPZ500-2517 | *2517 | L-3  | 40              | 45 | -  | 2.5 | 30.58 | 4/SPZ500-3020 | 3020  | M-3  | 52              | 51 | 0.5 | -  | 42.99 |
| 634          | 630          | 3/SPZ630-3020 | 3020  | L-3  | 40              | 51 | -  | 5.5 | 49.16 | 4/SPZ630-3030 | 3030  | L-3  | 52              | 76 | -   | 12 | 67.02 |

Cast Iron Sheaves - **Heavy Duty**

Bushed, **Five and Six Groove**

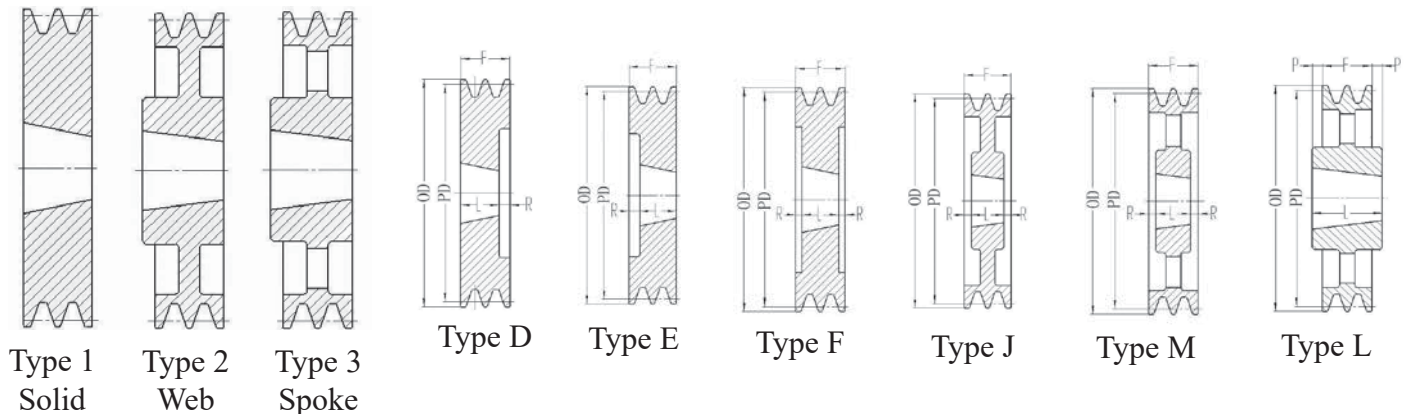
SPZ TB Sheaves

Order part number size

Example: 5/SPZ85-1610

**For SPZ V-Belts**

Order TB bushings separately (Pages 87-88)



| O.D.<br>(mm) | P.D.<br>(mm) | Part No.      | Bush  | Type | Dimensions (mm) |    |     |   | Wt.   | Part No.      | Bush  | Type | Dimensions (mm) |    |      |     | Wt.   |
|--------------|--------------|---------------|-------|------|-----------------|----|-----|---|-------|---------------|-------|------|-----------------|----|------|-----|-------|
|              |              |               |       |      | F               | L  | R   | P |       |               |       |      | F               | L  | R    | P   |       |
| 89           | 85           | 5/SPZ85-1610  | 1610  | D-1  | 64              | 25 | 39  | - | 2.54  |               |       |      |                 |    |      |     |       |
| 94           | 90           | 5/SPZ90-1610  | 1610  | D-1  | 64              | 25 | 39  | - | 2.91  |               |       |      |                 |    |      |     |       |
| 104          | 100          | 5/SPZ100-2012 | 2012  | D-1  | 64              | 32 | 32  | - | 3.22  | 6/SPZ100-2012 | 2012  | D-1  | 76              | 32 | 44   | -   | 3.97  |
| 110          | 106          | 5/SPZ106-2012 | 2012  | D-1  | 64              | 32 | 32  | - | 3.84  | 6/SPZ106-2012 | 2012  | D-1  | 76              | 32 | 44   | -   | 4.34  |
| 116          | 112          | 5/SPZ112-2012 | 2012  | D-1  | 64              | 32 | 32  | - | 4.63  | 6/SPZ112-2012 | 2012  | D-1  | 76              | 32 | 44   | -   | 5.51  |
| 122          | 118          | 5/SPZ118-2012 | 2012  | D-1  | 64              | 32 | 32  | - | 5.07  | 6/SPZ118-2517 | *2517 | D-1  | 76              | 45 | 31   | -   | 4.96  |
| 129          | 125          | 5/SPZ125-2012 | 2012  | D-1  | 64              | 32 | 32  | - | 5.73  | 6/SPZ125-2517 | *2517 | D-1  | 76              | 45 | 31   | -   | 6.08  |
| 136          | 132          | 5/SPZ132-2517 | *2517 | D-1  | 64              | 45 | 19  | - | 6.17  | 6/SPZ132-2517 | *2517 | D-1  | 76              | 45 | 31   | -   | 7.03  |
| 144          | 140          | 5/SPZ140-2517 | *2517 | E-1  | 64              | 45 | 19  | - | 7.76  | 6/SPZ140-2517 | *2517 | E-1  | 76              | 45 | 31   | -   | 8.33  |
| 154          | 150          | 5/SPZ150-2517 | *2517 | E-1  | 76              | 45 | 31  | - | 9.26  | 6/SPZ150-2517 | *2517 | E-1  | 76              | 45 | 31   | -   | 10.14 |
| 164          | 160          | 5/SPZ160-2517 | *2517 | E-1  | 64              | 45 | 19  | - | 10.87 | 6/SPZ160-2517 | *2517 | E-1  | 76              | 45 | 31   | -   | 12.13 |
| 174          | 170          | 5/SPZ170-2517 | *2517 | E-1  | 64              | 45 | 19  | - | 12.94 | 6/SPZ170-2517 | *2517 | E-1  | 76              | 45 | 31   | -   | 14.09 |
| 184          | 180          | 5/SPZ180-2517 | *2517 | E-1  | 64              | 45 | 19  | - | 15.15 | 6/SPZ180-2517 | *2517 | F-1  | 76              | 45 | 15.5 | -   | 16.40 |
| 194          | 190          | 5/SPZ190-2517 | *2517 | J-2  | 64              | 45 | 9.5 | - | 16.76 | 6/SPZ190-2517 | *2517 | J-2  | 76              | 45 | 15.5 | -   | 19.18 |
| 204          | 200          | 5/SPZ200-2517 | *2517 | J-2  | 64              | 45 | 9.5 | - | 13.87 | 6/SPZ200-2517 | *2517 | J-2  | 76              | 45 | 15.5 | -   | 20.64 |
| 228          | 224          | 5/SPZ224-2517 | *2517 | J-2  | 64              | 45 | 9.5 | - | 19.36 | 6/SPZ224-2517 | *2517 | J-2  | 76              | 45 | 15.5 | -   | 21.30 |
| 254          | 250          | 5/SPZ250-2517 | *2517 | J-2  | 64              | 45 | 9.5 | - | 20.00 | 6/SPZ250-2517 | *2517 | J-2  | 76              | 45 | 15.5 | -   | 25.79 |
| 284          | 280          | 5/SPZ280-2517 | *2517 | M-3  | 64              | 45 | 9.5 | - | 21.16 | 6/SPZ280-2517 | *2517 | M-3  | 76              | 45 | 15.5 | -   | 24.91 |
| 319          | 315          | 5/SPZ315-2517 | *2517 | M-3  | 64              | 45 | 9.5 | - | 23.68 | 6/SPZ315-2517 | *2517 | M-3  | 76              | 45 | 15.5 | -   | 26.30 |
| 359          | 355          | 5/SPZ355-2517 | *2517 | M-3  | 64              | 45 | 9.5 | - | 27.40 | 6/SPZ355-2517 | *2517 | M-3  | 76              | 45 | 15.5 | -   | 28.57 |
| 404          | 400          | 5/SPZ400-3020 | 3020  | M-3  | 64              | 51 | 6.5 | - | 33.95 | 6/SPZ400-3030 | 3030  | L-3  | 76              | 76 | -    | 0   | 39.02 |
| 454          | 450          | 5/SPZ450-3020 | 3020  | M-3  | 64              | 51 | 6.5 | - | 40.34 | 6/SPZ450-3030 | 3030  | L-3  | 76              | 76 | -    | 0   | 44.09 |
| 504          | 500          | 5/SPZ500-3030 | 3030  | L-3  | 64              | 76 | -   | 6 | 52.25 | 6/SPZ500-3030 | 3030  | L-3  | 76              | 76 | -    | 0   | 52.91 |
| 634          | 630          | 5/SPZ630-3030 | 3030  | L-3  | 64              | 76 | -   | 6 | 68.34 | 6/SPZ630-3535 | 3535  | L-3  | 76              | 89 | -    | 6.5 | 74.08 |

\* Caution: Metric sheaves requiring TB bushing 2517 or 3535 MUST use bushings with BSW threads (2517-BSW or 3535-BSW)

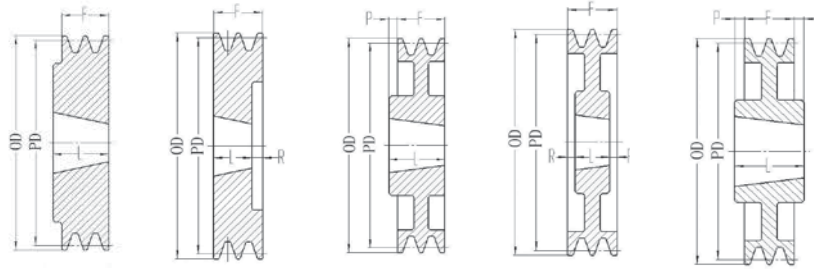
# SPA Sheaves

Cast Iron Sheaves - **Heavy Duty**  
Bushes, **One and Two Groove**  
SPA TB Sheaves

Order part number size  
Example: 1/SPA80-1210

**For SPA V-Belts**

Order TB bushings separately  
(Pages 87-88)



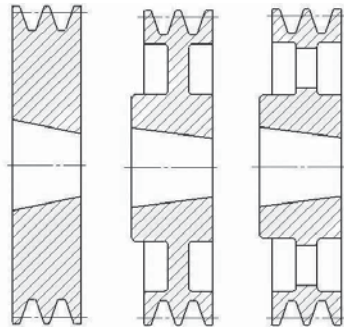
Type C

Type D

Type G

Type J

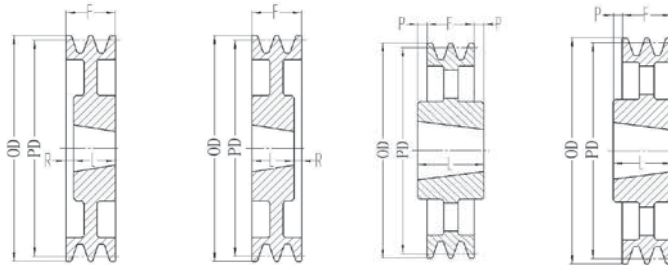
Type K



Type 1  
Solid

Type 2  
Web

Type 3  
Spoke



Type O

Type P

Type L

Type N

| O.D.<br>(mm) | P.D.<br>(mm) | Part No.      | Bush  | Type | Dimensions (mm) |    |   |    | Wt.   | Part No.      | Bush  | Type | Dimensions (mm) |    |     |    | Wt.   |
|--------------|--------------|---------------|-------|------|-----------------|----|---|----|-------|---------------|-------|------|-----------------|----|-----|----|-------|
|              |              |               |       |      | F               | L  | R | P  |       |               |       |      | F               | L  | R   | P  |       |
| 85.6         | 80           | 1/SPA80-1210  | 1210  | C-1  | 20              | 25 | - | -  | 1.08  | 2/SPA80-1210  | 1210  | D-1  | 35              | 25 | 10  | -  | 1.37  |
| 90.6         | 85           | 1/SPA85-1210  | 1210  | C-1  | 20              | 25 | - | -  | 1.28  | 2/SPA85-1210  | 1210  | D-1  | 35              | 25 | 10  | -  | 1.63  |
| 95.6         | 90           | 1/SPA90-1210  | 1210  | C-1  | 20              | 25 | - | 5  | 1.48  | 2/SPA90-1610  | 1610  | D-1  | 35              | 25 | 10  | -  | 1.59  |
| 100.6        | 95           | 1/SPA95-1210  | 1210  | C-1  | 20              | 25 | - | -  | 1.68  | 2/SPA95-1610  | 1610  | D-1  | 35              | 25 | 10  | -  | 1.94  |
| 105.6        | 100          | 1/SPA100-1610 | 1610  | C-1  | 20              | 25 | - | -  | 1.72  | 2/SPA100-1610 | 1610  | D-1  | 35              | 25 | 10  | -  | 2.29  |
| 111.6        | 106          | 1/SPA106-1610 | 1610  | C-1  | 20              | 25 | - | -  | 2.03  | 2/SPA106-1610 | 1610  | D-1  | 35              | 25 | 10  | -  | 2.65  |
| 117.6        | 112          | 1/SPA112-1610 | 1610  | C-1  | 20              | 25 | - | -  | 2.34  | 2/SPA112-1610 | 1610  | D-1  | 35              | 25 | 10  | -  | 3.04  |
| 123.6        | 118          | 1/SPA118-1610 | 1610  | C-1  | 20              | 25 | - | -  | 2.71  | 2/SPA118-1610 | 1610  | D-1  | 35              | 25 | 10  | -  | 3.51  |
| 130.6        | 125          | 1/SPA125-1610 | 1610  | C-1  | 20              | 25 | - | -  | 3.09  | 2/SPA125-1610 | 1610  | D-1  | 35              | 25 | 10  | -  | 4.12  |
| 137.6        | 132          | 1/SPA132-1610 | 1610  | C-1  | 20              | 25 | - | -  | 3.48  | 2/SPA132-2012 | 2012  | D-1  | 35              | 32 | 3   | -  | 4.67  |
| 145.6        | 140          | 1/SPA140-1610 | 1610  | C-1  | 20              | 25 | - | -  | 4.03  | 2/SPA140-2012 | 2012  | D-1  | 35              | 32 | 3   | -  | 5.51  |
| 155.6        | 150          | 1/SPA150-1610 | 1610  | G-2  | 20              | 25 | - | 5  | 4.03  | 2/SPA150-2012 | 2012  | D-1  | 35              | 32 | 3   | -  | 6.59  |
| 165.6        | 160          | 1/SPA160-1610 | 1610  | G-2  | 20              | 25 | - | 5  | 5.58  | 2/SPA160-2012 | 2012  | D-1  | 35              | 32 | 3   | -  | 7.83  |
| 175.6        | 170          | 1/SPA170-1610 | 1610  | G-2  | 20              | 25 | - | 5  | 4.70  | 2/SPA170-2012 | 2012  | P-2  | 35              | 32 | 3   | -  | 7.23  |
| 185.6        | 180          | 1/SPA180-1610 | 1610  | G-2  | 20              | 25 | - | 5  | 4.72  | 2/SPA180-2012 | 2012  | J-2  | 35              | 32 | 1.5 | -  | 7.52  |
| 195.6        | 190          | 1/SPA190-1610 | 1610  | G-2  | 20              | 25 | - | 5  | 5.20  | 2/SPA190-2012 | 2012  | O-2  | 35              | 32 | 3   | -  | 8.20  |
| 205.6        | 200          | 1/SPA200-2012 | 2012  | G-2  | 20              | 32 | - | 12 | 6.17  | 2/SPA200-2517 | *2517 | K-2  | 35              | 45 | -   | 5  | 10.45 |
| 229.6        | 224          | 1/SPA224-2012 | 2012  | N-3  | 20              | 32 | - | 12 | 8.16  | 2/SPA224-2517 | *2517 | N-3  | 35              | 45 | -   | 10 | 13.27 |
| 255.6        | 250          | 1/SPA250-2012 | 2012  | L-3  | 20              | 32 | - | 6  | 8.80  | 2/SPA250-2517 | *2517 | L-3  | 35              | 45 | -   | 5  | 13.45 |
| 285.6        | 280          | 1/SPA280-2012 | 2012  | N-3  | 20              | 32 | - | 12 | 10.14 | 2/SPA280-2517 | *2517 | N-3  | 35              | 45 | -   | 10 | 14.18 |
| 320.6        | 315          | 1/SPA315-2012 | 2012  | N-3  | 20              | 32 | - | 12 | 9.96  | 2/SPA315-2517 | *2517 | N-3  | 35              | 45 | -   | 10 | 15.65 |
| 360.6        | 355          | 1/SPA355-2012 | 2012  | N-3  | 20              | 32 | - | 12 | 12.28 | 2/SPA355-2517 | *2517 | N-3  | 35              | 45 | -   | 10 | 17.86 |
| 405.6        | 400          | 1/SPA400-2012 | 2012  | N-3  | 20              | 32 | - | 12 | 14.29 | 2/SPA400-2517 | *2517 | N-3  | 35              | 45 | -   | 10 | 21.63 |
| 455.6        | 450          | 1/SPA450-2012 | 2012  | N-3  | 20              | 32 | - | 12 | 16.87 | 2/SPA450-2517 | *2517 | N-3  | 35              | 45 | -   | 10 | 33.73 |
| 505.6        | 500          | 1/SPA500-2517 | *2517 | N-3  | 20              | 45 | - | 25 | 22.49 | 2/SPA500-2517 | *2517 | N-3  | 35              | 45 | -   | 10 | 28.15 |
| 635.6        | 630          |               |       |      |                 |    |   |    |       | 2/SPA630-3020 | 3020  | L-3  | 35              | 51 | -   | 8  | 53.57 |

\* Caution: Metric sheaves requiring TB bushing 2517 or 3535 MUST use bushings with BSW threads (2517-BSW or 3535-BSW)

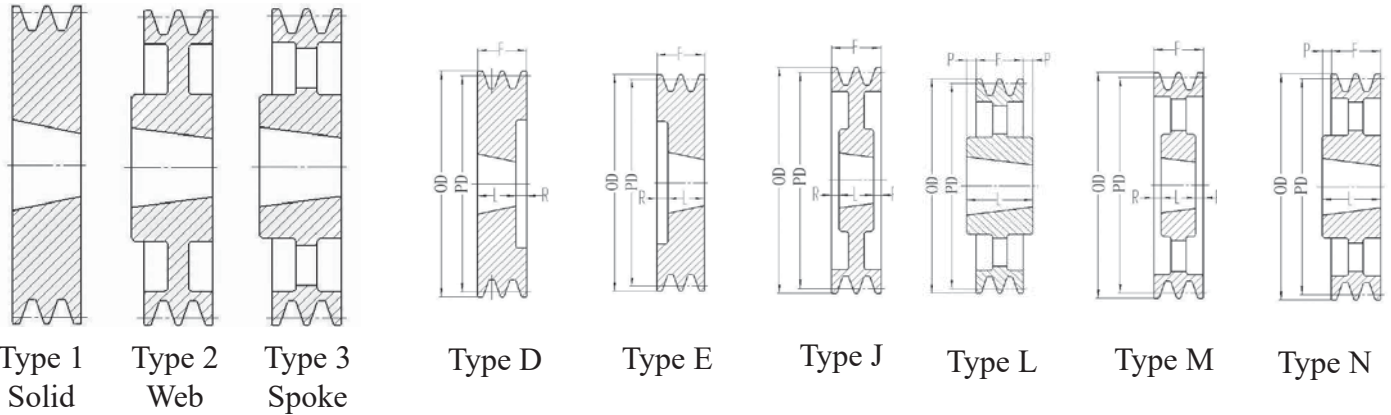
Cast Iron Sheaves - **Heavy Duty**  
 Bushed, **Three and Four Groove**  
 SPA TB Sheaves

Order part number size

Example: 3/SPA80-1210

**For SPA V-Belts**

Order TB bushings separately (Pages 87-88)



| O.D.<br>(mm) | P.D.<br>(mm) | Part No.      | Bush  | Type | Dimensions (mm) |    |     |     | Wt.   | Part No.      | Bush  | Type | Dimensions (mm) |    |    |    | Wt.   |
|--------------|--------------|---------------|-------|------|-----------------|----|-----|-----|-------|---------------|-------|------|-----------------|----|----|----|-------|
|              |              |               |       |      | F               | L  | R   | P   |       |               |       |      | F               | L  | R  | P  |       |
| 85.6         | 80           | 3/SPA80-1210  | 1210  | D-1  | 50              | 25 | 25  | -   | 1.83  |               |       |      |                 |    |    |    |       |
| 90.6         | 85           | 3/SPA85-1210  | 1210  | D-1  | 50              | 25 | 25  | -   | 2.14  |               |       |      |                 |    |    |    |       |
| 95.6         | 90           | 3/SPA90-1610  | 1610  | D-1  | 50              | 25 | 25  | -   | 2.27  | 4/SPA90-1615  | 1615  | D-1  | 65              | 38 | 27 | -  | 2.93  |
| 100.6        | 95           | 3/SPA95-1610  | 1610  | D-1  | 50              | 25 | 25  | -   | 2.62  | 4/SPA95-1615  | 1615  | D-1  | 65              | 38 | 27 | -  | 3.51  |
| 105.6        | 100          | 3/SPA100-1610 | 1610  | E-1  | 50              | 25 | 25  | -   | 2.87  | 4/SPA100-1615 | 1615  | E-1  | 65              | 38 | 27 | -  | 3.79  |
| 111.6        | 106          | 3/SPA106-1610 | 1610  | E-1  | 50              | 25 | 25  | -   | 3.40  | 4/SPA106-2012 | 2012  | D-1  | 65              | 32 | 33 | -  | 3.75  |
| 117.6        | 112          | 3/SPA112-2012 | 2012  | D-1  | 50              | 32 | 18  | -   | 3.48  | 4/SPA112-2012 | 2012  | D-1  | 65              | 32 | 33 | -  | 4.41  |
| 123.6        | 118          | 3/SPA118-2012 | 2012  | E-1  | 50              | 32 | 18  | -   | 4.06  | 4/SPA118-2012 | 2012  | E-1  | 65              | 32 | 33 | -  | 4.85  |
| 130.6        | 125          | 3/SPA125-2012 | 2012  | E-1  | 50              | 32 | 18  | -   | 4.96  | 4/SPA125-2012 | 2012  | E-1  | 65              | 32 | 33 | -  | 5.91  |
| 137.6        | 132          | 3/SPA132-2012 | 2012  | E-1  | 50              | 32 | 18  | -   | 5.69  | 4/SPA132-2517 | *2517 | E-1  | 65              | 45 | 20 | -  | 6.04  |
| 145.6        | 140          | 3/SPA140-2517 | *2517 | D-1  | 50              | 45 | 5   | -   | 8.44  | 4/SPA140-2517 | *2517 | E-1  | 65              | 45 | 20 | -  | 7.52  |
| 155.6        | 150          | 3/SPA150-2517 | *2517 | D-1  | 50              | 45 | 5   | -   | 8.07  | 4/SPA150-2517 | *2517 | E-1  | 65              | 45 | 20 | -  | 9.22  |
| 165.6        | 160          | 3/SPA160-2517 | *2517 | D-1  | 50              | 45 | 5   | -   | 9.70  | 4/SPA160-2517 | *2517 | E-1  | 65              | 45 | 20 | -  | 11.13 |
| 175.6        | 170          | 3/SPA170-2517 | *2517 | D-1  | 50              | 45 | 5   | -   | 11.64 | 4/SPA170-2517 | *2517 | E-1  | 65              | 45 | 20 | -  | 13.01 |
| 185.6        | 180          | 3/SPA180-2517 | *2517 | D-1  | 50              | 45 | 5   | -   | 13.49 | 4/SPA180-2517 | *2517 | E-1  | 65              | 45 | 20 | -  | 14.33 |
| 195.6        | 190          | 3/SPA190-2517 | *2517 | D-1  | 50              | 45 | 5   | -   | 15.55 | 4/SPA190-2517 | *2517 | E-1  | 65              | 45 | 20 | -  | 17.11 |
| 205.6        | 200          | 3/SPA200-2517 | *2517 | J-2  | 50              | 45 | 2.5 | -   | 12.61 | 4/SPA200-3020 | 3020  | E-1  | 65              | 51 | 14 | -  | 18.30 |
| 229.6        | 224          | 3/SPA224-2517 | *2517 | M-3  | 50              | 45 | 2.5 | -   | 13.67 | 4/SPA224-3020 | 3020  | E-1  | 65              | 51 | 14 | -  | 24.47 |
| 255.6        | 250          | 3/SPA250-2517 | *2517 | M-3  | 50              | 45 | 2.5 | -   | 16.09 | 4/SPA250-3020 | 3020  | J-2  | 65              | 51 | 7  | -  | 21.89 |
| 285.6        | 280          | 3/SPA280-2517 | *2517 | M-3  | 50              | 45 | 2.5 | -   | 18.58 | 4/SPA280-3020 | 3020  | M-3  | 65              | 51 | 7  | -  | 25.13 |
| 320.6        | 315          | 3/SPA315-3020 | 3020  | L-3  | 50              | 51 | -   | 0.5 | 22.93 | 4/SPA315-3020 | 3020  | M-3  | 65              | 51 | 7  | -  | 27.56 |
| 360.6        | 355          | 3/SPA355-3020 | 3020  | L-3  | 50              | 51 | -   | 0.5 | 24.16 | 4/SPA355-3020 | 3020  | M-3  | 65              | 51 | 7  | -  | 27.54 |
| 405.6        | 400          | 3/SPA400-3020 | 3020  | N-3  | 50              | 51 | -   | 1   | 28.53 | 4/SPA400-3020 | 3020  | M-3  | 65              | 51 | 7  | -  | 38.14 |
| 455.6        | 450          | 3/SPA450-3020 | 3020  | N-3  | 50              | 51 | -   | 1   | 32.63 | 4/SPA450-3020 | 3020  | M-3  | 65              | 51 | 7  | -  | 38.36 |
| 505.6        | 500          | 3/SPA500-3020 | 3020  | N-3  | 50              | 51 | -   | 1   | 36.16 | 4/SPA500-3020 | 3020  | M-3  | 65              | 51 | 7  | -  | 43.10 |
| 565.6        | 560          | 3/SPA560-3020 | 3020  | N-3  | 50              | 51 | -   | 1   | 41.12 | 4/SPA560-3535 | *3535 | L-3  | 65              | 89 | -  | 12 | 73.63 |
| 635.6        | 630          | 3/SPA630-3020 | 3020  | N-3  | 50              | 51 | -   | 1   | 48.66 | 4/SPA630-3535 | *3535 | L-3  | 65              | 89 | -  | 12 | 82.45 |

\* Caution: Metric sheaves requiring TB bushing 2517 or 3535 MUST use bushings with BSW threads (2517-BSW or 3535-BSW)



# SPA Sheaves

Cast Iron Sheaves - **Heavy Duty**

Bushed, **Five Groove**

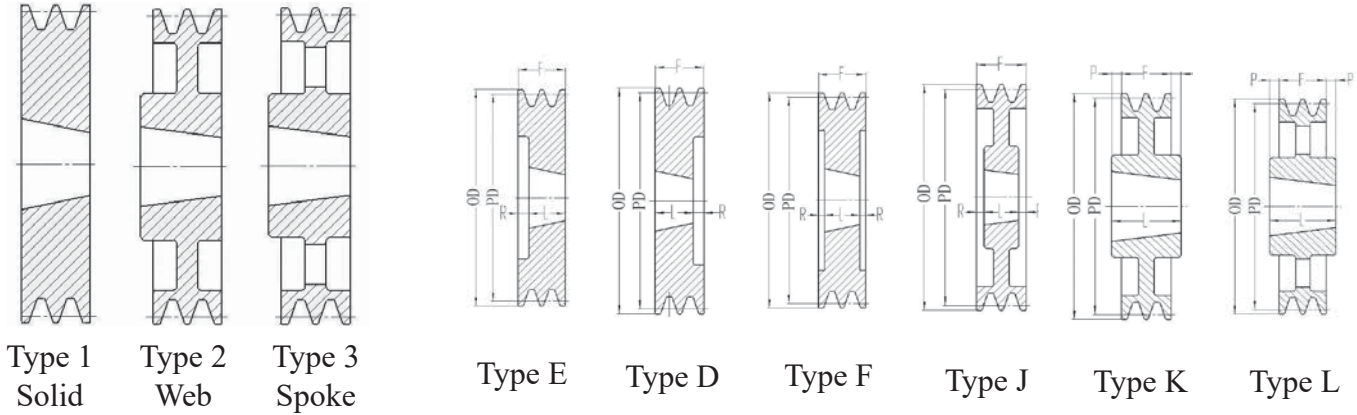
SPA TB Sheaves

Order part number size

Example: 5/SPA100-1615

**For SPA V-Belts**

Order TB bushings separately (Pages 87-88)



| O.D.<br>(mm) | P.D.<br>(mm) | Part No.      | Bush  | Type | Dimensions (mm) |    |      |     | Wt.   |
|--------------|--------------|---------------|-------|------|-----------------|----|------|-----|-------|
|              |              |               |       |      | F               | L  | R    | P   |       |
| 105.6        | 100          | 5/SPA100-1615 | 1615  | E-1  | 80              | 38 | 42   | -   | 4.41  |
| 111.6        | 106          | 5/SPA106-2012 | 2012  | D-1  | 80              | 32 | 48   | -   | 4.63  |
| 117.6        | 112          | 5/SPA112-2012 | 2012  | D-1  | 80              | 32 | 48   | -   | 5.18  |
| 123.6        | 118          | 5/SPA118-2012 | 2012  | E-1  | 80              | 32 | 48   | -   | 5.89  |
| 130.6        | 125          | 5/SPA125-2012 | 2012  | F-1  | 80              | 32 | 24   | -   | 6.68  |
| 137.6        | 132          | 5/SPA132-2517 | *2517 | F-1  | 80              | 45 | 17.5 | -   | 7.05  |
| 145.6        | 140          | 5/SPA140-2517 | *2517 | F-1  | 80              | 45 | 17.5 | -   | 8.40  |
| 155.6        | 150          | 5/SPA150-2517 | *2517 | F-1  | 80              | 45 | 17.5 | -   | 10.32 |
| 165.6        | 160          | 5/SPA160-2517 | *2517 | F-1  | 80              | 45 | 17.5 | -   | 12.04 |
| 180.6        | 180          | 5/SPA180-3020 | 3020  | F-1  | 80              | 51 | 14.5 | -   | 14.82 |
| 205.6        | 200          | 5/SPA200-3020 | 3020  | F-1  | 80              | 51 | 14.5 | -   | 19.78 |
| 229.6        | 224          | 5/SPA224-3020 | 3020  | E-1  | 80              | 51 | 29   | -   | 26.01 |
| 255.6        | 250          | 5/SPA250-3020 | 3020  | J-2  | 80              | 51 | 14.5 | -   | 23.70 |
| 285.6        | 280          | 5/SPA280-3535 | *3535 | K-2  | 80              | 89 | -    | 4.5 | 40.45 |
| 320.6        | 315          | 5/SPA315-3535 | *3535 | K-2  | 80              | 89 | -    | 4.5 | 44.31 |
| 360.6        | 355          | 5/SPA355-3535 | *3535 | L-3  | 80              | 89 | -    | 4.5 | 44.20 |
| 405.6        | 400          | 5/SPA400-3535 | *3535 | L-3  | 80              | 89 | -    | 4.5 | 54.01 |
| 455.6        | 450          | 5/SPA450-3535 | *3535 | L-3  | 80              | 89 | -    | 4.5 | 58.42 |
| 505.6        | 500          | 5/SPA500-3535 | *3535 | L-3  | 80              | 89 | -    | 4.5 | 68.78 |
| 565.6        | 560          | 5/SPA560-3535 | *3535 | L-3  | 80              | 89 | -    | 4.5 | 81.57 |
| 635.6        | 630          | 5/SPA630-3535 | *3535 | L-3  | 80              | 89 | -    | 4.5 | 78.48 |

\* Caution: Metric sheaves requiring TB bushing 2517 or 3535 MUST use bushings with BSW threads (2517-BSW or 3535-BSW)



Cast Iron Sheaves - **Heavy Duty**

Bushed, **One and Two Groove**

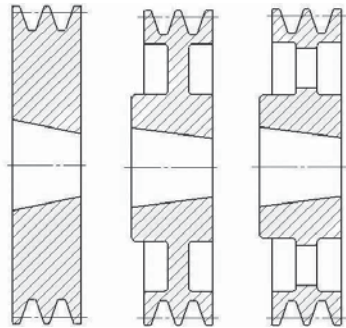
SPB TB Sheaves

Order part number size

Example: 1/SPB125-1610

**For SPB V-Belts**

Order TB bushings separately (Pages 87-88)



Type 1  
Solid

Type 2  
Web

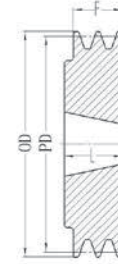
Type 3  
Spoke



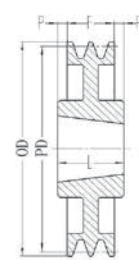
Type A



Type E



Type C



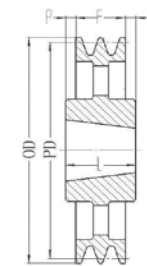
Type K



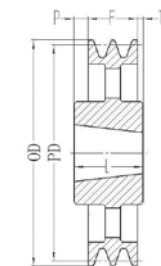
Type G



Type N



Type L



Type R

| O.D.<br>(mm) | P.D.<br>(mm) | Part No.      | Bush | Type | Dimensions (mm) |    |   |     | Wt.   | Part No.      | Bush  | Type | Dimensions (mm) |    |    |      | Wt.   |
|--------------|--------------|---------------|------|------|-----------------|----|---|-----|-------|---------------|-------|------|-----------------|----|----|------|-------|
|              |              |               |      |      | F               | L  | R | P   |       |               |       |      | F               | L  | R  | P    |       |
| 132          | 125          | 1/SPB125-1610 | 1610 | A-1  | 25              | 25 | - | -   | 3.33  | 2/SPB125-2012 | 2012  | E-1  | 45              | 32 | 12 | -    | 4.41  |
| 139          | 132          | 1/SPB132-1610 | 1610 | A-1  | 25              | 25 | - | -   | 3.92  | 2/SPB132-2012 | 2012  | E-1  | 44              | 32 | 12 | -    | 5.29  |
| 147          | 140          | 1/SPB140-1610 | 1610 | A-1  | 25              | 25 | - | -   | 4.56  | 2/SPB140-2012 | 2012  | E-1  | 44              | 32 | 12 | -    | 6.11  |
| 157          | 150          | 1/SPB150-1610 | 1610 | K-2  | 25              | 25 | - | 0   | 4.19  | 2/SPB150-2012 | 2012  | E-1  | 44              | 32 | 12 | -    | 7.14  |
| 167          | 160          | 1/SPB160-1610 | 1610 | K-2  | 25              | 25 | - | 0   | 6.28  | 2/SPB160-2012 | 2012  | E-1  | 44              | 32 | 12 | -    | 8.55  |
| 177          | 170          | 1/SPB170-1610 | 1610 | K-2  | 25              | 25 | - | 0   | 7.32  | 2/SPB170-2012 | 2012  | E-1  | 44              | 32 | 12 | -    | 9.83  |
| 187          | 180          | 1/SPB180-1610 | 1610 | K-2  | 25              | 25 | - | 0   | 5.78  | 2/SPB180-2517 | *2517 | C-1  | 44              | 45 | -  | -    | 12.13 |
| 197          | 190          | 1/SPB190-2012 | 2012 | K-2  | 25              | 32 | - | 3.5 | 7.43  | 2/SPB190-2517 | *2517 | C-1  | 44              | 45 | -  | -    | 13.89 |
| 207          | 200          | 1/SPB200-2012 | 2012 | K-2  | 25              | 32 | - | 3.5 | 8.16  | 2/SPB200-2517 | *2517 | G-2  | 44              | 45 | -  | 1    | 11.75 |
| 219          | 212          | 1/SPB212-2012 | 2012 | K-2  | 25              | 32 | - | 3.5 | 9.17  | 2/SPB212-2517 | *2517 | G-2  | 44              | 45 | -  | 1    | 14.20 |
| 231          | 224          | 1/SPB224-2012 | 2012 | K-2  | 25              | 32 | - | 3.5 | 9.57  | 2/SPB224-2517 | *2517 | G-2  | 44              | 45 | -  | 1    | 14.88 |
| 243          | 236          | 1/SPB236-2012 | 2012 | K-2  | 25              | 32 | - | 3.5 | 10.63 | 2/SPB236-2517 | *2517 | G-2  | 44              | 45 | -  | 1    | 15.43 |
| 257          | 250          | 1/SPB250-2012 | 2012 | K-2  | 25              | 32 | - | 3.5 | 11.60 | 2/SPB250-2517 | *2517 | G-2  | 44              | 45 | -  | 1    | 18.10 |
| 287          | 280          | 1/SPB280-2012 | 2012 | L-3  | 25              | 32 | - | 3.5 | 12.02 | 2/SPB280-2517 | *2517 | N-3  | 44              | 45 | -  | 1    | 18.08 |
| 307          | 300          |               |      |      |                 |    |   |     |       | 2/SPB300-2517 | *2517 | N-3  | 44              | 45 | -  | 1    | 20.06 |
| 322          | 315          | 1/SPB315-2012 | 2012 | L-3  | 25              | 32 | - | 3.5 | 13.71 | 2/SPB315-2517 | *2517 | N-3  | 44              | 45 | -  | 1    | 21.16 |
| 342          | 335          |               |      |      |                 |    |   |     |       | 2/SPB335-2517 | *2517 | N-3  | 44              | 45 | -  | 1    | 29.76 |
| 362          | 355          |               |      |      |                 |    |   |     |       | 2/SPB355-3020 | 3020  | L-3  | 44              | 51 | -  | 3.5  | 36.27 |
| 407          | 400          |               |      |      |                 |    |   |     |       | 2/SPB400-3020 | 3020  | L-3  | 44              | 51 | -  | 3.5  | 31.26 |
| 457          | 450          |               |      |      |                 |    |   |     |       | 2/SPB450-3020 | 3020  | L-3  | 44              | 51 | -  | 3.5  | 35.60 |
| 507          | 500          |               |      |      |                 |    |   |     |       | 2/SPB500-3020 | 3020  | L-3  | 44              | 51 | -  | 3.5  | 38.36 |
| 567          | 560          |               |      |      |                 |    |   |     |       | 2/SPB560-3030 | 3030  | R-3  | 44              | 76 | -  | 28.5 | 56.92 |
| 637          | 630          |               |      |      |                 |    |   |     |       | 2/SPB630-3030 | 3030  | L-3  | 44              | 76 | -  | 16   | 56.00 |

\* Caution: Metric sheaves requiring TB bushing 2517 or 3535 MUST use bushings with BSW threads (2517-BSW or 3535-BSW)

# SPB Sheaves

Cast Iron Sheaves - **Heavy Duty**  
Bushed, **Three and Four Groove**

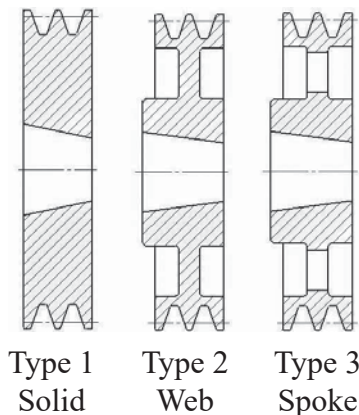
SPB TB Sheaves

Order part number size

Example: 3/SPB125-2012

**For SPB V-Belts**

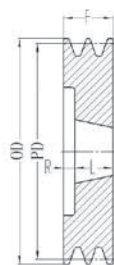
Order TB bushings separately (Pages 87-88)



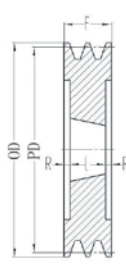
Type 1  
Solid

Type 2  
Web

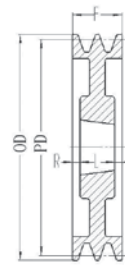
Type 3  
Spoke



Type E



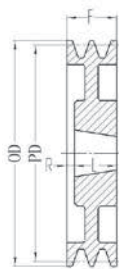
Type F



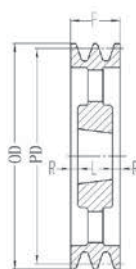
Type J



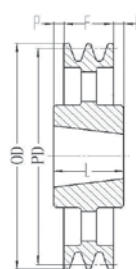
Type G



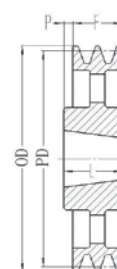
Type O



Type M



Type L



Type N

| O.D.<br>(mm) | P.D.<br>(mm) | Part No.      | Bush  | Type | Dimensions (mm) |    |    |    | Wt.    | Part No.       | Bush  | Type | Dimensions (mm) |     |      |     | Wt.    |
|--------------|--------------|---------------|-------|------|-----------------|----|----|----|--------|----------------|-------|------|-----------------|-----|------|-----|--------|
|              |              |               |       |      | F               | L  | R  | P  |        |                |       |      | F               | L   | R    | P   |        |
| 132          | 125          | 3/SPB125-2012 | 2012  | E-1  | 63              | 32 | 31 | -  | 5.60   | 4/SPB125-2012  | 2012  | F-1  | 82              | 32  | 25   | -   | 6.86   |
| 139          | 132          | 3/SPB132-2012 | 2012  | E-1  | 63              | 32 | 31 | -  | 6.61   | 4/SPB132-2012  | 2012  | F-1  | 82              | 32  | 25   | -   | 8.18   |
| 147          | 140          | 3/SPB140-2012 | 2012  | E-1  | 63              | 32 | 31 | -  | 7.74   | 4/SPB140-2517  | *2517 | F-1  | 82              | 45  | 18.5 | -   | 8.38   |
| 157          | 150          | 3/SPB150-2517 | *2517 | E-1  | 63              | 45 | 18 | -  | 8.80   | 4/SPB150-2517  | *2517 | F-1  | 82              | 45  | 18.5 | -   | 10.54  |
| 167          | 160          | 3/SPB160-2517 | *2517 | E-1  | 63              | 45 | 18 | -  | 10.60  | 4/SPB160-2517  | *2517 | F-1  | 82              | 45  | 18.5 | -   | 13.43  |
| 177          | 170          | 3/SPB170-2517 | *2517 | E-1  | 63              | 45 | 18 | -  | 12.13  | 4/SPB170-2517  | *2517 | F-1  | 82              | 45  | 18.5 | -   | 14.46  |
| 187          | 180          | 3/SPB180-2517 | *2517 | E-1  | 63              | 45 | 18 | -  | 14.40  | 4/SPB180-2517  | *2517 | F-1  | 82              | 45  | 18.5 | -   | 16.53  |
| 197          | 190          | 3/SPB190-2517 | *2517 | E-1  | 63              | 45 | 18 | -  | 15.65  | 4/SPB190-2517  | *2517 | F-1  | 82              | 45  | 18.5 | -   | 18.30  |
| 207          | 200          | 3/SPB200-2517 | *2517 | E-1  | 63              | 45 | 18 | -  | 18.96  | 4/SPB200-3020  | 3020  | F-1  | 82              | 51  | 15.5 | -   | 20.19  |
| 219          | 212          | 3/SPB212-2517 | *2517 | O-2  | 63              | 45 | 18 | -  | 17.95  | 4/SPB212-3020  | 3020  | F-1  | 82              | 51  | 15.5 | -   | 23.48  |
| 231          | 224          | 3/SPB224-2517 | *2517 | O-2  | 63              | 45 | 18 | -  | 19.84  | 4/SPB224-3020  | 3020  | F-1  | 82              | 51  | 15.5 | -   | 27.34  |
| 243          | 236          | 3/SPB236-2517 | *2517 | O-2  | 63              | 45 | 18 | -  | 21.16  | 4/SPB236-3020  | 3020  | J-2  | 82              | 51  | 15.5 | -   | 31.09  |
| 257          | 250          | 3/SPB250-3020 | 3020  | O-2  | 63              | 51 | 12 | -  | 24.47  | 4/SPB250-3020  | 3020  | J-2  | 82              | 51  | 15.5 | -   | 27.36  |
| 287          | 280          | 3/SPB280-3020 | 3020  | M-3  | 63              | 51 | 6  | -  | 27.78  | 4/SPB280-3020  | 3020  | J-2  | 82              | 51  | 15.5 | -   | 30.86  |
| 307          | 300          | 3/SPB300-3020 | 3020  | M-3  | 63              | 51 | 6  | -  | 26.28  | 4/SPB300-3535  | *3535 | G-2  | 82              | 89  | -    | 7   | 42.99  |
| 322          | 315          | 3/SPB315-3020 | 3020  | M-3  | 63              | 51 | 6  | -  | 30.42  | 4/SPB315-3535  | *3535 | L-3  | 82              | 89  | -    | 3.5 | 44.75  |
| 342          | 335          | 3/SPB335-3020 | 3020  | M-3  | 63              | 51 | 6  | -  | 29.10  | 4/SPB335-3535  | *3535 | L-3  | 82              | 89  | -    | 3.5 | 50.49  |
| 362          | 355          | 3/SPB355-3020 | 3020  | M-3  | 63              | 51 | 6  | -  | 33.51  | 4/SPB355-3535  | *3535 | L-3  | 82              | 89  | -    | 3.5 | 49.16  |
| 407          | 400          | 3/SPB400-3535 | *3535 | L-3  | 63              | 89 | -  | 13 | 50.38  | 4/SPB400-3535  | *3535 | L-3  | 82              | 89  | -    | 3.5 | 59.97  |
| 457          | 450          | 3/SPB450-3535 | *3535 | N-3  | 63              | 89 | -  | 26 | 55.01  | 4/SPB450-3535  | *3535 | N-3  | 82              | 89  | -    | 7   | 63.01  |
| 507          | 500          | 3/SPB500-3535 | *3535 | N-3  | 63              | 89 | -  | 26 | 59.75  | 4/SPB500-3535  | *3535 | N-3  | 82              | 89  | -    | 7   | 71.43  |
| 567          | 560          | 3/SPB560-3535 | *3535 | N-3  | 63              | 89 | -  | 26 | 79.37  | 4/SPB560-3535  | *3535 | N-3  | 82              | 89  | -    | 7   | 94.36  |
| 637          | 630          | 3/SPB630-3535 | *3535 | N-3  | 63              | 89 | -  | 26 | 80.25  | 4/SPB630-3535  | *3535 | N-3  | 82              | 89  | -    | 7   | 87.30  |
| 717          | 710          | 3/SPB710-3535 | *3535 | L-3  | 63              | 89 | -  | 13 | 97.11  | 4/SPB710-3535  | *3535 | L-3  | 82              | 89  | -    | 3.5 | 117.95 |
| 807          | 800          | 3/SPB800-3535 | *3535 | L-3  | 63              | 89 | -  | 13 | 110.34 | 4/SPB800-4040  | 4040  | L-3  | 82              | 102 | -    | 10  | 156.09 |
| 907          | 900          |               |       |      |                 |    |    |    |        | 4/SPB900-4040  | 4040  | L-3  | 82              | 102 | -    | 10  | 168.21 |
| 1007         | 1000         |               |       |      |                 |    |    |    |        | 4/SPB1000-4040 | 4040  | L-3  | 82              | 102 | -    | 10  | 203.71 |

Cast Iron Sheaves - **Heavy Duty**

Bushed, **Five and Six Groove**

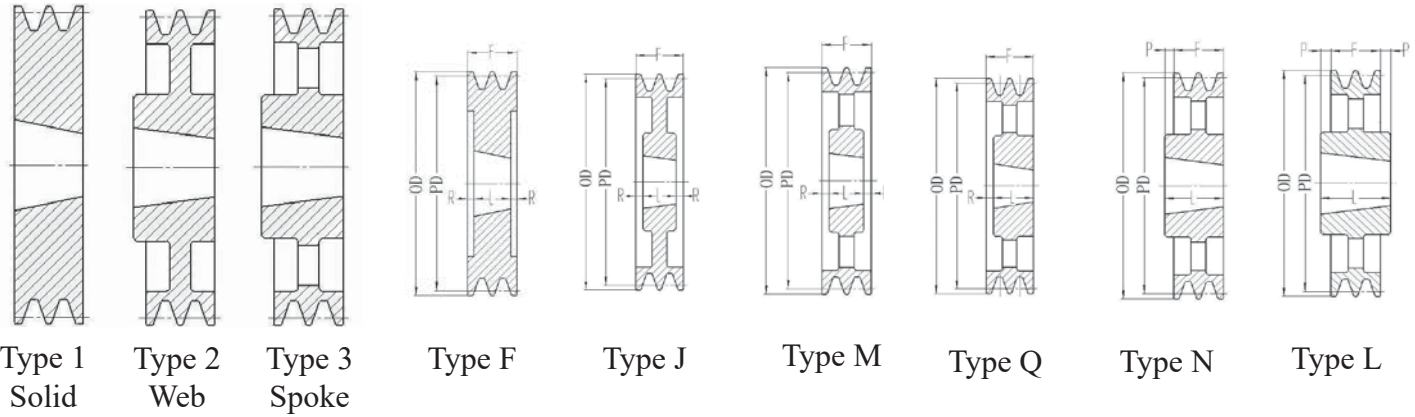
SPB TB Sheaves

Order part number size

Example: 5/SPB140-2517

**For SPB V-Belts**

Order TB bushings separately (Pages 87-88)



| O.D.<br>(mm) | P.D.<br>(mm) | Part No.       | Bush  | Type | Dimensions (mm) |     |    |     | Wt.    | Part No.       | Bush  | Type | Dimensions (mm) |     |      |   | Wt.    |
|--------------|--------------|----------------|-------|------|-----------------|-----|----|-----|--------|----------------|-------|------|-----------------|-----|------|---|--------|
|              |              |                |       |      | F               | L   | R  | P   |        |                |       |      | F               | L   | R    | P |        |
| 147          | 140          | 5/SPB140-2517  | *2517 | F-1  | 101             | 45  | 28 | -   | 4.85   | 6/SPB140-2517  | *2517 | F-1  | 120             | 45  | 37.5 | - | 10.91  |
| 157          | 150          | 5/SPB150-2517  | *2517 | F-1  | 101             | 45  | 28 | -   | 12.37  | 6/SPB150-2517  | *2517 | F-1  | 120             | 45  | 37.5 | - | 13.91  |
| 167          | 160          | 5/SPB160-2517  | *2517 | F-1  | 101             | 45  | 28 | -   | 14.15  | 6/SPB160-3020  | 3020  | F-1  | 120             | 51  | 34.5 | - | 12.99  |
| 177          | 170          | 5/SPB170-3020  | 3020  | F-1  | 101             | 51  | 25 | -   | 14.51  | 6/SPB170-3020  | 3020  | F-1  | 120             | 51  | 34.5 | - | 16.53  |
| 187          | 180          | 5/SPB180-3020  | 3020  | F-1  | 101             | 51  | 25 | -   | 17.02  | 6/SPB180-3020  | 3020  | F-1  | 120             | 51  | 34.5 | - | 19.07  |
| 197          | 190          | 5/SPB190-3020  | 3020  | F-1  | 101             | 51  | 25 | -   | 19.40  | 6/SPB190-3020  | 3020  | F-1  | 120             | 51  | 34.5 | - | 22.05  |
| 207          | 200          | 5/SPB200-3020  | 3020  | F-1  | 101             | 51  | 25 | -   | 22.95  | 6/SPB200-3020  | 3020  | F-1  | 120             | 51  | 34.5 | - | 25.57  |
| 219          | 212          | 5/SPB212-3020  | 3020  | F-1  | 101             | 51  | 25 | -   | 26.46  | 6/SPB212-3535  | *3535 | F-1  | 120             | 89  | 15.5 | - | 33.29  |
| 231          | 224          | 5/SPB224-3020  | 3020  | F-1  | 101             | 51  | 25 | -   | 30.86  | 6/SPB224-3535  | *3535 | F-1  | 120             | 89  | 15.5 | - | 38.80  |
| 243          | 236          | 5/SPB236-3535  | *3535 | F-1  | 101             | 89  | 6  | -   | 41.89  | 6/SPB236-3535  | *3535 | F-1  | 120             | 89  | 15.5 | - | 44.97  |
| 257          | 250          | 5/SPB250-3535  | *3535 | F-1  | 101             | 89  | 6  | -   | 50.27  | 6/SPB250-3535  | *3535 | F-1  | 120             | 89  | 15.5 | - | 52.91  |
| 287          | 280          | 5/SPB280-3535  | *3535 | J-2  | 101             | 89  | 6  | -   | 44.75  | 6/SPB280-3535  | *3535 | J-2  | 120             | 89  | 15.5 | - | 50.71  |
| 307          | 300          | 5/SPB300-3535  | *3535 | J-2  | 101             | 89  | 6  | -   | 49.60  | 6/SPB300-3535  | *3535 | J-2  | 120             | 89  | 15.5 | - | 52.03  |
| 322          | 315          | 5/SPB315-3535  | *3535 | J-2  | 101             | 89  | 6  | -   | 50.27  | 6/SPB315-3535  | *3535 | J-2  | 120             | 89  | 15.5 | - | 56.22  |
| 342          | 335          | 5/SPB335-3535  | *3535 | J-2  | 101             | 89  | 6  | -   | 52.03  | 6/SPB335-3535  | *3535 | J-2  | 120             | 89  | 15.5 | - | 55.12  |
| 362          | 355          | 5/SPB355-3535  | *3535 | J-2  | 101             | 89  | 6  | -   | 59.70  | 6/SPB355-3535  | *3535 | J-2  | 120             | 89  | 15.5 | - | 63.05  |
| 407          | 400          | 5/SPB400-3535  | *3535 | M-3  | 101             | 89  | 6  | -   | 61.73  | 6/SPB400-3535  | *3535 | M-3  | 120             | 89  | 15.5 | - | 68.78  |
| 457          | 450          | 5/SPB450-3535  | *3535 | Q-3  | 101             | 89  | 12 | -   | 72.53  | 6/SPB450-4040  | 4040  | Q-3  | 120             | 102 | 18   | - | 94.80  |
| 507          | 500          | 5/SPB500-3535  | *3535 | Q-3  | 101             | 89  | 12 | -   | 59.86  | 6/SPB500-4040  | 4040  | Q-3  | 120             | 102 | 18   | - | 99.54  |
| 567          | 560          | 5/SPB560-4040  | 4040  | N-3  | 101             | 102 | -  | 1   | 100.42 | 6/SPB560-4040  | 4040  | Q-3  | 120             | 102 | 18   | - | 107.14 |
| 637          | 630          | 5/SPB630-4040  | 4040  | N-3  | 101             | 102 | -  | 1   | 118.83 | 6/SPB630-4040  | 4040  | Q-3  | 120             | 102 | 18   | - | 144.40 |
| 717          | 710          | 5/SPB710-4040  | 4040  | N-3  | 101             | 102 | -  | 1   | 177.69 | 6/SPB710-4040  | 4040  | M-2  | 120             | 102 | 9    | - | 160.94 |
| 807          | 800          | 5/SPB800-4040  | 4040  | N-3  | 101             | 102 | -  | 1   | 174.16 | 6/SPB800-4545  | 4545  | M-3  | 120             | 114 | 3    | - | 203.55 |
| 907          | 900          | 5/SPB900-4040  | 4040  | N-3  | 101             | 102 | -  | 1   | 192.02 | 6/SPB900-4545  | 4545  | M-3  | 120             | 114 | 3    | - | 228.62 |
| 1007         | 1000         | 5/SPB1000-4545 | 4545  | L-3  | 101             | 114 | -  | 6.5 | 270.73 | 6/SPB1000-4545 | 4545  | M-3  | 120             | 114 | 3    | - | 282.63 |

\* Caution: Metric sheaves requiring TB bushing 2517 or 3535 MUST use bushings with BSW threads (2517-BSW or 3535-BSW)

# SPB Sheaves

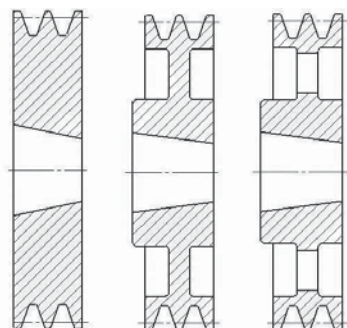
Cast Iron Sheaves - **Heavy Duty**  
Bushed, **Eight and Ten Groove**  
SPB TB Sheaves

Order part number size

Example: 8/SPB170-3030

**For SPB V-Belts**

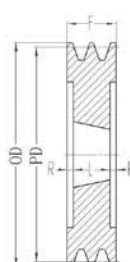
Order TB bushings separately (Pages 87-88)



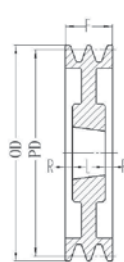
Type 1  
Solid

Type 2  
Web

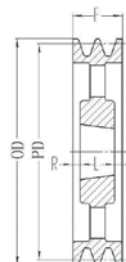
Type 3  
Spoke



Type F



Type J



Type M

| O.D.<br>(mm) | P.D.<br>(mm) | Part No.       | Bush  | Type | Dimensions (mm) |     |      | Wt.    | Part No.        | Bush  | Type | Dimensions (mm) |     |      | Wt.    |
|--------------|--------------|----------------|-------|------|-----------------|-----|------|--------|-----------------|-------|------|-----------------|-----|------|--------|
|              |              |                |       |      | F               | L   | R    |        |                 |       |      | F               | L   | R    |        |
| 177          | 170          | 8/SPB170-3030  | 3030  | F-1  | 158             | 76  | 41   | 22.71  |                 |       |      |                 |     |      |        |
| 187          | 180          | 8/SPB180-3030  | 3030  | F-1  | 158             | 76  | 41   | 24.91  |                 |       |      |                 |     |      |        |
| 197          | 190          | 8/SPB190-3030  | 3030  | F-1  | 158             | 76  | 41   | 29.08  |                 |       |      |                 |     |      |        |
| 207          | 200          | 8/SPB200-3535  | *3535 | F-1  | 158             | 89  | 34.5 | 31.53  |                 |       |      |                 |     |      |        |
| 219          | 212          | 8/SPB212-3535  | *3535 | F-1  | 158             | 89  | 34.5 | 37.70  |                 |       |      |                 |     |      |        |
| 231          | 224          | 8/SPB224-3535  | *3535 | F-1  | 158             | 89  | 34.5 | 42.99  | 10/SPB224-3535  | *3535 | F-1  | 196             | 89  | 53.5 | 52.91  |
| 243          | 236          | 8/SPB236-3535  | *3535 | F-1  | 158             | 89  | 34.5 | 63.05  | 10/SPB236-3535  | *3535 | F-1  | 196             | 89  | 53.5 | 63.93  |
| 257          | 250          | 8/SPB250-3535  | *3535 | F-1  | 158             | 89  | 34.5 | 57.76  | 10/SPB250-3535  | *3535 | F-1  | 196             | 89  | 53.5 | 65.04  |
| 287          | 280          | 8/SPB280-3535  | *3535 | J-2  | 158             | 89  | 34.5 | 50.71  | 10/SPB280-3535  | *3535 | J-2  | 196             | 89  | 53.5 | 66.14  |
| 307          | 300          | 8/SPB300-3535  | *3535 | J-2  | 158             | 89  | 34.5 | 62.39  |                 |       |      |                 |     |      |        |
| 322          | 315          | 8/SPB315-3535  | *3535 | J-2  | 158             | 89  | 34.5 | 65.04  | 10/SPB315-3535  | *3535 | J-2  | 196             | 89  | 53.5 | 78.26  |
| 342          | 335          | 8/SPB335-3535  | *3535 | J-2  | 158             | 89  | 34.5 | 68.56  | 10/SPB335-3535  | *3535 | J-2  | 196             | 89  | 53.5 | 91.71  |
| 362          | 355          | 8/SPB355-3535  | *3535 | J-2  | 158             | 89  | 34.5 | 75.84  | 10/SPB355-4040  | 4040  | J-2  | 196             | 102 | 47   | 103.62 |
| 407          | 400          | 8/SPB400-4040  | 4040  | J-2  | 158             | 102 | 28   | 109.35 | 10/SPB400-4040  | 4040  | J-2  | 196             | 102 | 47   | 120.15 |
| 457          | 450          | 8/SPB450-4040  | 4040  | M-3  | 158             | 102 | 28   | 99.87  | 10/SPB450-4545  | 4545  | M-3  | 196             | 114 | 41   | 110.23 |
| 507          | 500          | 8/SPB500-4040  | 4040  | M-3  | 158             | 102 | 28   | 103.11 | 10/SPB500-4545  | 4545  | M-3  | 196             | 114 | 41   | 159.39 |
| 567          | 560          | 8/SPB560-4545  | 4545  | M-3  | 158             | 114 | 22   | 126.99 | 10/SPB560-4545  | 4545  | M-3  | 196             | 114 | 41   | 174.61 |
| 637          | 630          | 8/SPB630-4545  | 4545  | M-3  | 158             | 114 | 22   | 174.61 | 10/SPB630-4545  | 4545  | M-3  | 196             | 114 | 41   | 195.11 |
| 717          | 710          | 8/SPB710-4545  | 4545  | M-3  | 158             | 114 | 22   | 205.47 | 10/SPB710-4545  | 4545  | M-3  | 196             | 114 | 41   | 238.10 |
| 807          | 800          | 8/SPB800-4545  | 4545  | M-3  | 158             | 114 | 22   | 253.97 | 10/SPB800-4545  | 4545  | M-3  | 196             | 114 | 41   | 266.10 |
| 907          | 900          | 8/SPB900-4545  | 4545  | M-3  | 158             | 114 | 22   | 247.58 | 10/SPB900-5050  | 5050  | M-3  | 196             | 127 | 34.5 | 308.65 |
| 1007         | 1000         | 8/SPB1000-5050 | 5050  | M-3  | 158             | 127 | 15.5 | 336.23 | 10/SPB1000-5050 | 5050  | M-3  | 196             | 127 | 34.5 | 399.04 |

\* Caution: Metric sheaves requiring TB bushing 2517 or 3535 MUST use bushings with BSW threads (2517-BSW or 3535-BSW)



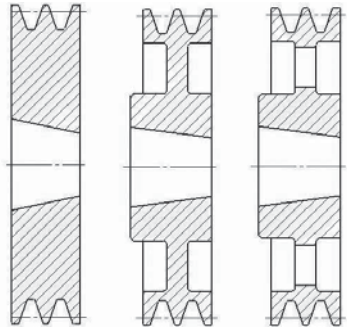
Cast Iron Sheaves - **Heavy Duty**  
Bushed, **Three and Four Groove**  
SPC TB Sheaves

Order part number size

Example: 3/SPC200-2517

**For SPC V-Belts**

Order TB bushings separately (Pages 87-88)



Type 1  
Solid

Type 2  
Web

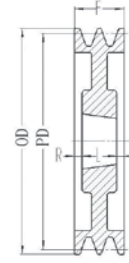
Type 3  
Spoke



Type F



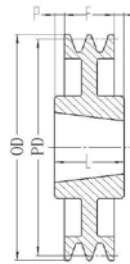
Type C



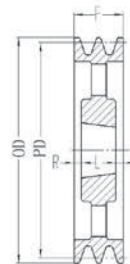
Type J



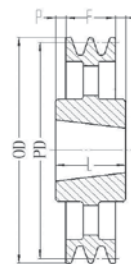
Type G



Type K



Type M



Type L

| O.D.<br>(mm) | P.D.<br>(mm) | Part No.      | Bush  | Type | Dimensions (mm) |     |    |     | Wt.    | Part No.      | Bush  | Type | Dimensions (mm) |     |      |     | Wt.    |
|--------------|--------------|---------------|-------|------|-----------------|-----|----|-----|--------|---------------|-------|------|-----------------|-----|------|-----|--------|
|              |              |               |       |      | F               | L   | R  | P   |        |               |       |      | F               | L   | R    | P   |        |
| 209.6        | 200          | 3/SPC200-2517 | *2517 | F-1  | 85              | 45  | 20 | -   | 22.49  | 4/SPC200-3020 | 3020  | F-1  | 110.5           | 51  | 29.8 | -   | 24.91  |
| 221.6        | 212          | 3/SPC212-3020 | 3020  | F-1  | 85              | 51  | 17 | -   | 24.47  | 4/SPC212-3020 | 3020  | F-1  | 110.5           | 51  | 29.8 | -   | 28.44  |
| 233.6        | 224          | 3/SPC224-3020 | 3020  | F-1  | 85              | 51  | 17 | -   | 27.09  | 4/SPC224-3535 | *3535 | F-1  | 110.5           | 89  | 10.8 | -   | 31.97  |
| 245.6        | 236          | 3/SPC236-3020 | 3020  | F-1  | 85              | 51  | 17 | -   | 31.09  | 4/SPC236-3535 | *3535 | F-1  | 110.5           | 89  | 10.8 | -   | 44.49  |
| 259.6        | 250          | 3/SPC250-3020 | 3020  | F-1  | 85              | 51  | 17 | -   | 36.16  | 4/SPC250-3535 | *3535 | F-1  | 110.5           | 89  | 10.8 | -   | 48.94  |
| 274.6        | 265          | 3/SPC265-3535 | *3535 | C-1  | 85              | 89  | -  | -   | 43.21  | 4/SPC265-3535 | *3535 | F-1  | 110.5           | 89  | 10.8 | -   | 48.50  |
| 289.6        | 280          | 3/SPC280-3535 | *3535 | G-2  | 85              | 89  | -  | 4   | 44.09  | 4/SPC280-3535 | *3535 | J-2  | 110.5           | 89  | 10.8 | -   | 44.09  |
| 309.6        | 300          | 3/SPC300-3535 | *3535 | K-2  | 85              | 89  | -  | 2   | 45.42  | 4/SPC300-3535 | *3535 | J-2  | 110.5           | 89  | 10.8 | -   | 55.12  |
| 324.6        | 315          | 3/SPC315-3535 | *3535 | K-2  | 85              | 89  | -  | 2   | 46.30  | 4/SPC315-3535 | *3535 | J-2  | 110.5           | 89  | 10.8 | -   | 46.30  |
| 344.6        | 335          | 3/SPC335-3535 | *3535 | L-3  | 85              | 89  | -  | 2   | 52.69  | 4/SPC335-3535 | *3535 | M-3  | 110.5           | 89  | 10.8 | -   | 60.27  |
| 364.6        | 355          | 3/SPC355-3535 | *3535 | L-3  | 85              | 89  | -  | 2   | 53.79  | 4/SPC355-3535 | *3535 | M-3  | 110.5           | 89  | 10.8 | -   | 60.63  |
| 384.6        | 375          | 3/SPC375-3535 | *3535 | L-3  | 85              | 89  | -  | 2   | 57.32  | 4/SPC375-3535 | *3535 | M-3  | 110.5           | 89  | 10.8 | -   | 64.24  |
| 409.6        | 400          | 3/SPC400-3535 | *3535 | L-3  | 85              | 89  | -  | 2   | 62.17  | 4/SPC400-3535 | *3535 | M-3  | 110.5           | 89  | 10.8 | -   | 69.67  |
| 434.6        | 425          | 3/SPC425-3535 | *3535 | L-3  | 85              | 89  | -  | 2   | 73.19  | 4/SPC425-3535 | *3535 | M-3  | 110.5           | 89  | 10.8 | -   | 81.57  |
| 459.6        | 450          | 3/SPC450-3535 | *3535 | L-3  | 85              | 89  | -  | 2   | 73.41  | 4/SPC450-3535 | *3535 | M-3  | 110.5           | 89  | 10.8 | -   | 73.41  |
| 484.6        | 475          | 3/SPC475-3535 | *3535 | L-3  | 85              | 89  | -  | 2   | 86.84  | 4/SPC475-3535 | *3535 | M-3  | 110.5           | 89  | 10.8 | -   | 99.74  |
| 509.6        | 500          | 3/SPC500-3535 | *3535 | L-3  | 85              | 89  | -  | 2   | 90.17  | 4/SPC500-3535 | *3535 | M-3  | 110.5           | 89  | 10.8 | -   | 90.17  |
| 569.6        | 560          |               |       |      |                 |     |    |     |        | 4/SPC560-4040 | 4040  | M-3  | 110.5           | 102 | 4.3  | -   | 121.14 |
| 639.6        | 630          | 3/SPC630-4040 | 4040  | L-3  | 85              | 102 | -  | 8.5 | 117.95 | 4/SPC630-4545 | 4545  | L-3  | 110.5           | 114 | -    | 1.8 | 167.88 |
| 809.6        | 800          |               |       |      |                 |     |    |     |        | 4/SPC800-5050 | 5050  | L-3  | 110.5           | 127 | -    | 8.3 | 230.16 |

\* Caution: Metric sheaves requiring TB bushing 2517 or 3535 MUST use bushings with BSW threads (2517-BSW or 3535-BSW)



# SPC Sheaves

Cast Iron Sheaves - **Heavy Duty**

Bushed, **Five and Six Groove**

SPC TB Sheaves

Order part number size

Example: 5/SPC200-3535

**For SPC V-Belts**

Order TB bushings separately (Pages 87-88)



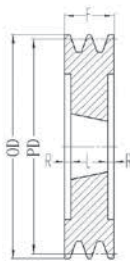
Type 1  
Solid



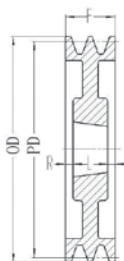
Type 2  
Web



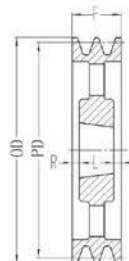
Type 3  
Spoke



Type F



Type J



Type M

| O.D.<br>(mm) | P.D.<br>(mm) | Part No.       | Bush  | Type | Dimensions (mm) |     |      | Wt.    | Part No.       | Bush  | Type | Dimensions (mm) |     |      | Wt.    |
|--------------|--------------|----------------|-------|------|-----------------|-----|------|--------|----------------|-------|------|-----------------|-----|------|--------|
|              |              |                |       |      | F               | L   | R    |        |                |       |      | F               | L   | R    |        |
| 209.6        | 200          | 5/SPC200-3535  | *3535 | F-1  | 136             | 89  | 23.5 | 29.10  | 6/SPC200-3535  | *3535 | F-1  | 131.5           | 89  | 36.3 | 33.73  |
| 221.6        | 212          | 5/SPC212-3535  | *3535 | F-1  | 136             | 89  | 23.5 | 34.61  | 6/SPC212-3535  | *3535 | F-1  | 161.5           | 89  | 36.3 | 35.49  |
| 233.6        | 224          | 5/SPC224-3535  | *3535 | F-1  | 136             | 89  | 23.5 | 39.68  | 6/SPC224-3535  | *3535 | F-1  | 161.5           | 89  | 36.3 | 42.15  |
| 245.6        | 236          | 5/SPC236-3535  | *3535 | F-1  | 136             | 89  | 23.5 | 42.33  | 6/SPC236-3535  | *3535 | F-1  | 161.5           | 89  | 36.3 | 53.51  |
| 259.6        | 250          | 5/SPC250-3535  | *3535 | F-1  | 136             | 89  | 23.5 | 47.84  | 6/SPC250-3535  | *3535 | F-1  | 161.5           | 89  | 36.3 | 59.08  |
| 274.6        | 265          | 5/SPC265-3535  | *3535 | F-1  | 136             | 89  | 23.5 | 63.93  | 6/SPC265-3535  | *3535 | F-1  | 161.5           | 89  | 36.3 | 71.32  |
| 289.6        | 280          | 5/SPC280-3535  | *3535 | J-2  | 136             | 89  | 23.5 | 60.63  | 6/SPC280-3535  | *3535 | J-2  | 161.5           | 89  | 36.3 | 63.38  |
| 309.6        | 300          | 5/SPC300-3535  | *3535 | J-2  | 136             | 89  | 23.5 | 57.98  | 6/SPC300-3535  | *3535 | J-2  | 161.5           | 89  | 36.3 | 64.37  |
| 324.6        | 315          | 5/SPC315-3535  | *3535 | J-2  | 136             | 89  | 23.5 | 59.97  | 6/SPC315-3535  | *3535 | J-2  | 161.5           | 89  | 36.3 | 67.46  |
| 344.6        | 335          | 5/SPC335-3535  | *3535 | J-2  | 136             | 89  | 23.5 | 68.56  | 6/SPC335-3535  | *3535 | J-2  | 161.5           | 89  | 36.3 | 75.18  |
| 364.6        | 355          | 5/SPC355-3535  | *3535 | M-3  | 136             | 89  | 23.5 | 70.11  | 6/SPC355-3535  | *3535 | J-2  | 161.5           | 89  | 36.3 | 84.22  |
| 384.6        | 375          | 5/SPC375-3535  | *3535 | M-3  | 136             | 89  | 23.5 | 74.52  | 6/SPC375-4040  | 4040  | J-2  | 161.5           | 102 | 29.8 | 96.56  |
| 409.6        | 400          | 5/SPC400-3535  | *3535 | M-3  | 136             | 89  | 23.5 | 85.10  | 6/SPC400-4040  | 4040  | J-2  | 161.5           | 102 | 29.8 | 104.28 |
| 434.6        | 425          | 5/SPC425-3535  | *3535 | M-3  | 136             | 89  | 23.5 | 92.15  | 6/SPC425-4040  | 4040  | J-2  | 161.5           | 102 | 29.8 | 121.58 |
| 459.6        | 450          | 5/SPC450-4040  | 4040  | M-3  | 136             | 102 | 17   | 117.73 | 6/SPC450-4545  | 4545  | J-2  | 161.5           | 114 | 23.8 | 139.77 |
| 484.6        | 475          | 5/SPC475-4040  | 4040  | M-3  | 136             | 102 | 17   | 123.90 | 6/SPC475-4545  | 4545  | J-2  | 161.5           | 114 | 23.8 | 142.64 |
| 509.6        | 500          | 5/SPC500-4040  | 4040  | M-3  | 136             | 102 | 17   | 134.04 | 6/SPC500-4545  | 4545  | M-3  | 161.5           | 114 | 23.8 | 149.91 |
| 569.6        | 560          | 5/SPC560-4545  | 4545  | M-3  | 136             | 114 | 11   | 164.69 | 6/SPC560-5050  | 5050  | M-3  | 161.5           | 127 | 17.3 | 189.38 |
| 639.6        | 630          | 5/SPC630-5050  | 5050  | M-3  | 136             | 127 | 4.5  | 205.91 | 6/SPC630-5050  | 5050  | M-3  | 161.5           | 127 | 17.3 | 220.24 |
| 719.6        | 710          | 5/SPC710-5050  | 5050  | M-3  | 136             | 127 | 4.5  | 231.71 | 6/SPC710-5050  | 5050  | M-3  | 161.5           | 127 | 17.3 | 266.98 |
| 809.6        | 800          | 5/SPC800-5050  | 5050  | M-3  | 136             | 127 | 4.5  | 274.48 | 6/SPC800-5050  | 5050  | M-3  | 161.5           | 127 | 17.3 | 327.61 |
| 1009.6       | 1000         | 5/SPC1000-5050 | 5050  | M-3  | 136             | 127 | 4.5  | 358.91 | 6/SPC1000-5050 | 5050  | M-3  | 161.5           | 127 | 17.3 | 418.88 |
| 1259.6       | 1250         | 5/SPC1250-5050 | 5050  | M-3  | 136             | 127 | 4.5  | 465.17 | 6/SPC1250-5050 | 5050  | M-3  | 161.5           | 127 | 17.3 | 487.44 |

\* Caution: Metric sheaves requiring TB bushing 2517 or 3535 MUST use bushings with BSW threads (2517-BSW or 3535-BSW)

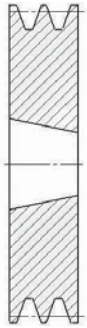
Cast Iron Sheaves - **Heavy Duty**  
 Bushed, **Eight and Ten Groove**  
 SPC TB Sheaves

Order part number size

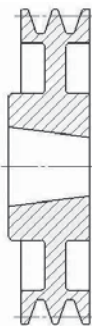
Example: 8/SPC224-3535

**For SPC V-Belts**

Order TB bushings separately (Pages 87-88)



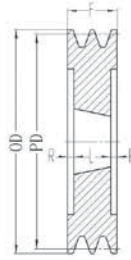
Type 1  
Solid



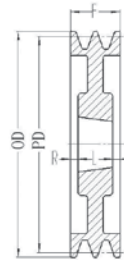
Type 2  
Web



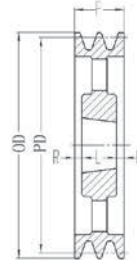
Type 3  
Spoke



Type F



Type J



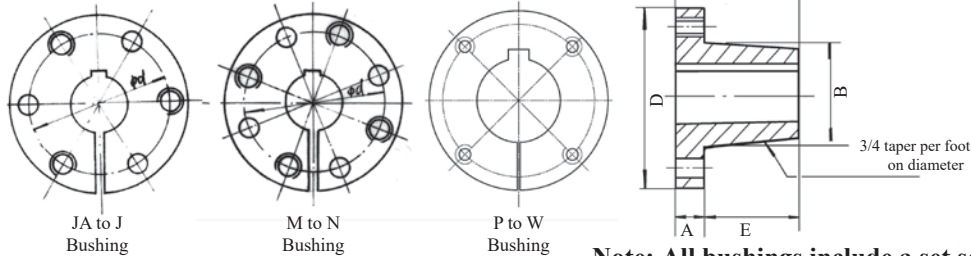
Type M

| O.D.<br>(mm) | P.D.<br>(mm) | Part No.       | Bush  | Type | Dimensions (mm) |     |      | Wt.    | Part No.        | Bush | Type | Dimensions (mm) |     |      | Wt.    |
|--------------|--------------|----------------|-------|------|-----------------|-----|------|--------|-----------------|------|------|-----------------|-----|------|--------|
|              |              |                |       |      | F               | L   | R    |        |                 |      |      | F               | L   | R    |        |
| 233.6        | 224          | 8/SPC224-3535  | *3535 | F-1  | 212.5           | 89  | 61.8 | 52.69  |                 |      |      |                 |     |      |        |
| 245.6        | 236          | 8/SPC236-3535  | *3535 | F-1  | 212.5           | 89  | 61.8 | 60.41  |                 |      |      |                 |     |      |        |
| 259.6        | 250          | 8/SPC250-3535  | *3535 | F-1  | 212.5           | 89  | 61.8 | 67.46  | 10/SPC250-4040  | 4040 | F-1  | 263.5           | 102 | 80.8 | 75.18  |
| 274.6        | 265          | 8/SPC265-3535  | *3535 | F-1  | 212.5           | 89  | 61.8 | 70.55  |                 |      |      |                 |     |      |        |
| 289.6        | 280          | 8/SPC280-3535  | *3535 | F-1  | 212.5           | 89  | 61.8 | 80.73  | 10/SPC280-4040  | 4040 | F-1  | 263.5           | 102 | 80.8 | 99.65  |
| 309.6        | 300          | 8/SPC300-4040  | 4040  | F-1  | 212.5           | 102 | 55.3 | 106.04 | 10/SPC300-4545  | 4545 | F-1  | 263.5           | 114 | 74.8 | 116.18 |
| 324.6        | 315          | 8/SPC315-4040  | 4040  | F-1  | 212.5           | 102 | 55.3 | 117.51 | 10/SPC315-4545  | 4545 | F-1  | 263.5           | 114 | 74.8 | 135.36 |
| 344.6        | 335          | 8/SPC335-4040  | 4040  | J-2  | 212.5           | 102 | 55.3 | 120.26 |                 |      |      |                 |     |      |        |
| 364.6        | 355          | 8/SPC355-4040  | 4040  | J-2  | 212.5           | 102 | 55.3 | 105.60 | 10/SPC355-4545  | 4545 | F-1  | 263.5           | 102 | 80.8 | 174.16 |
| 384.6        | 375          | 8/SPC375-4545  | 4545  | J-2  | 212.5           | 114 | 49.3 | 131.40 |                 |      |      |                 |     |      |        |
| 409.6        | 400          | 8/SPC400-4545  | 4545  | J-2  | 212.5           | 114 | 49.3 | 133.38 | 10/SPC400-5050  | 5050 | J-2  | 263.5           | 127 | 68.3 | 165.13 |
| 434.6        | 425          | 8/SPC425-4545  | 4545  | J-2  | 212.5           | 114 | 49.3 | 151.68 |                 |      |      |                 |     |      |        |
| 459.6        | 450          | 8/SPC450-5050  | 5050  | J-2  | 212.5           | 127 | 42.8 | 177.47 | 10/SPC450-5050  | 5050 | J-2  | 263.5           | 127 | 68.3 | 199.52 |
| 484.6        | 475          | 8/SPC475-5050  | 5050  | J-2  | 212.5           | 127 | 42.8 | 194.01 |                 |      |      |                 |     |      |        |
| 509.6        | 500          | 8/SPC500-5050  | 5050  | J-2  | 212.5           | 127 | 42.8 | 192.90 | 10/SPC500-5050  | 5050 | J-2  | 263.5           | 127 | 68.3 | 233.91 |
| 569.6        | 560          | 8/SPC560-5050  | 5050  | M-3  | 212.5           | 127 | 42.8 | 225.91 | 10/SPC560-5050  | 5050 | M-3  | 263.5           | 127 | 68.3 | 250.22 |
| 639.6        | 630          | 8/SPC630-5050  | 5050  | M-3  | 212.5           | 127 | 42.8 | 257.06 | 10/SPC630-5050  | 5050 | M-3  | 263.5           | 127 | 68.3 | 330.69 |
| 719.6        | 710          | 8/SPC710-5050  | 5050  | M-3  | 212.5           | 127 | 42.8 | 324.08 | 10/SPC710-5050  | 5050 | M-3  | 263.5           | 127 | 68.3 | 368.61 |
| 809.6        | 800          | 8/SPC800-5050  | 5050  | M-3  | 212.5           | 127 | 42.8 | 363.76 | 10/SPC800-5050  | 5050 | M-3  | 263.5           | 127 | 68.3 | 434.31 |
| 1009.6       | 1000         | 8/SPC1000-5050 | 5050  | M-3  | 212.5           | 127 | 42.8 | 489.65 | 10/SPC1000-5050 | 5050 | M-3  | 263.5           | 127 | 68.3 | 508.61 |
| 1259.6       | 1250         | 8/SPC1250-5050 | 5050  | M-3  | 212.5           | 127 | 42.8 | 639.34 | 10/SPC1250-5050 | 5050 | M-3  | 263.5           | 127 | 68.3 | 791.70 |

\* Caution: Metric sheaves requiring TB bushing 2517 or 3535 MUST use bushings with BSW threads (2517-BSW or 3535-BSW)

# QD Bushings

JA-N bushings are reverse mountable



**Note: All bushings include a set screw over the keyway. Except JA.**

QD Bushings - Dimensions (inches)

| Bushing | A     | B      | D       | E      | L       | Ø d bolt Required | Cap Screws Grade 5 |                | Set Screw Size |
|---------|-------|--------|---------|--------|---------|-------------------|--------------------|----------------|----------------|
|         |       |        |         |        |         |                   | Qty.               | Size           |                |
| JA      | 5/16  | 1.375  | 2       | 11/16  | 1       | 1 21/32           | 3                  | 10 x 1         | -              |
| SH      | 7/16  | 1.871  | 2 11/16 | 7/8    | 1 5/16  | 2 1/4             | 3                  | 1/4 x 1 3/8    | 1/4            |
| SDS     | 7/16  | 2.187  | 3 1/8   | 7/8    | 1 5/16  | 2 11/16           | 3                  | 1/4 x 1 3/8    | 1/4            |
| SD      | 7/16  | 2.187  | 3 1/8   | 1 3/8  | 1 13/16 | 2 11/16           | 3                  | 1/4 x 1 7/8    | 1/4            |
| SK      | 9/16  | 2.812  | 3 7/8   | 1 3/8  | 1 15/16 | 3 5/16            | 3                  | 5/16 x 2       | 5/16           |
| SF      | 5/8   | 3.125  | 4 5/8   | 1 7/16 | 2 1/16  | 3 7/8             | 3                  | 3/8 x 2        | 3/8            |
| E       | 7/8   | 3.834  | 6       | 1 7/8  | 2 3/4   | 5                 | 3                  | 1/2 x 2 3/4    | 3/8            |
| F       | 1     | 4.437  | 6 5/8   | 2 3/4  | 3 3/4   | 5 5/8             | 3                  | 9/16 x 3 5/8   | 1/2            |
| J       | 1 1/8 | 5.148  | 7 1/4   | 3 1/2  | 4 5/8   | 6 1/4             | 3                  | 5/8 x 4 1/2    | 5/8            |
| M       | 1 1/4 | 6.500  | 9       | 5 1/2  | 6 3/4   | 7 7/8             | 4                  | 3/4 x 6 3/4    | 3/4            |
| N       | 1 1/2 | 7.000  | 10      | 6 5/8  | 8 1/8   | 8 1/2             | 4                  | 7/8 x 8        | 3/4            |
| P       | 1 3/4 | 8.250  | 11 3/4  | 7 5/8  | 9 3/8   | 10                | 4                  | 1 x 9 1/2      | 3/4            |
| W       | 2     | 10.437 | 15      | 9 3/8  | 11 3/8  | 12 3/4            | 4                  | 1 1/8 x 11 1/2 | 3/4            |

| Bushing                                                | Bore Range-inch | Key Seat-inch | Wt.  |
|--------------------------------------------------------|-----------------|---------------|------|
| JA 1/2, 9/16.....                                      |                 | 1/8 x 1/16    | .50  |
| 5/8, 11/16, 3/4, 13/16, 7/8.....                       |                 | 3/16 x 3/32   | .45  |
| 15/16, 1.....                                          |                 | 1/4 x 1/8     | .35  |
| 1 1/16, 1 1/8, 1 3/16.....                             |                 | 1/4 x 1/16 *  | .35  |
| 1 1/4.....                                             |                 | No Key        | .30  |
| SH 1/2, 9/16.....                                      |                 | 1/8 x 1/16    | 1.20 |
| 5/8, 11/16, 3/4, 13/16, 7/8.....                       |                 | 3/16 x 3/32   | 1.20 |
| 15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4.....            |                 | 1/4 x 1/8     | .95  |
| 1 1/4†, 1 5/16, 1 3/8.....                             |                 | 5/16 x 5/32   | .80  |
| 1 7/16, 1 1/2, 1 9/16, 1 5/8.....                      |                 | 3/8 x 1/16 *  | .75  |
| 1 11/16.....                                           |                 | No Key        | .60  |
| SDS 1/2, 9/16.....                                     |                 | 1/8 x 1/16    | 1.70 |
| 5/8, 11/16, 3/4, 13/16, 7/8.....                       |                 | 3/16 x 3/32   | 1.65 |
| 7/8†, 15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4.....      |                 | 1/4 x 1/8     | 1.45 |
| 1 1/4†, 1 5/16, 1 3/8.....                             |                 | 5/16 x 5/32   | 1.30 |
| 1 3/8†, 1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16.....     |                 | 3/8 x 3/16    | 1.10 |
| 1 3/4.....                                             |                 | 3/8 x 1/8 *   | 1.00 |
| 1 13/16.....                                           |                 | 1/2 x 1/8 *   | 1.00 |
| 1 7/8, 1 15/16.....                                    |                 | 1/2 x 1/16 *  | .90  |
| 2.....                                                 |                 | No Key        | .80  |
| SD 1/2, 9/16.....                                      |                 | 1/8 x 1/16    | 2.00 |
| 5/8, 11/16, 3/4, 13/16, 7/8.....                       |                 | 3/16 x 3/32   | 2.00 |
| 15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4.....            |                 | 1/4 x 1/8     | 1.80 |
| 1 1/4†, 1 5/16, 1 3/8.....                             |                 | 5/16 x 5/32   | 1.60 |
| 1 3/8†, 1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16.....     |                 | 3/8 x 3/16    | 1.40 |
| 1 3/4.....                                             |                 | 3/8 x 1/8 *   | 1.20 |
| 1 13/16.....                                           |                 | 1/2 x 1/8 *   | 1.20 |
| 1 7/8, 1 15/16.....                                    |                 | 1/2 x 1/16 *  | 1.00 |
| 2.....                                                 |                 | No Key        | .80  |
| SK 1/2, 9/16.....                                      |                 | 1/8 x 1/16    | 3.80 |
| 5/8, 11/16, 3/4, 13/16, 7/8.....                       |                 | 3/16 x 3/32   | 3.75 |
| 15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4.....            |                 | 1/4 x 1/8     | 3.50 |
| 1 1/4†, 1 5/16, 1 3/8.....                             |                 | 5/16 x 5/32   | 3.25 |
| 1 5/16†, 1 3/8†, 1 7/16, 1 1/2, 1 9/16, 1 5/8, .....   |                 | 3/8 x 3/16    | 3.00 |
| 1 11/16, 1 3/4, 1 7/8+.....                            |                 | 3/8 x 3/16    | 2.75 |
| 1 3/4†, 1 13/16, 1 7/8, 1 15/16, 2, 2 1/16, 2 1/8..... |                 | 1/2 x 1/4     | 2.40 |
| 2 3/16, 2 1/4.....                                     |                 | 1/2 x 1/8 *   | 2.00 |
| 2 1/4†, 2 5/16, 2 3/8, 2 7/16, 2 1/2.....              |                 | 5/8 x 1/16 *  | 1.75 |
| 2 9/16, 2 5/8.....                                     |                 | No Key        | 1.20 |

| Bushing                                             | Bore Range-inch | Key Seat-inch | Wt.   |
|-----------------------------------------------------|-----------------|---------------|-------|
| SF 1/2, 9/16.....                                   |                 | 1/8 x 1/16    | 5.45  |
| 5/8, 3/4, 7/8.....                                  |                 | 3/16 x 3/32   | 5.25  |
| 15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4.....         |                 | 1/4 x 1/8     | 5.00  |
| 1 5/16, 1 3/8.....                                  |                 | 5/16 x 5/32   | 4.80  |
| 1 3/8†, 1 7/16, 1 1/2, 1 9/16, 1 5/8, .....         |                 | 3/8 x 3/16    | 4.50  |
| 1 11/16, 1 3/4.....                                 |                 | 3/8 x 3/16    | 4.25  |
| 1 13/16, 1 7/8, 1 15/16, 2, 2 1/16.....             |                 | 1/2 x 1/4     | 4.00  |
| 2 1/8, 2 3/16, 2 1/4.....                           |                 | 1/2 x 1/4     | 3.55  |
| 2 1/4†.....                                         |                 | 5/8 x 5/16    | 3.50  |
| 2 5/16, 2 3/8, 2 7/16, 2 1/2.....                   |                 | 5/8 x 3/16 *  | 3.30  |
| 2 9/16, 2 5/8, 2 11/16, 2 3/4.....                  |                 | 5/8 x 1/16 *  | 2.80  |
| 2 13/16, 2 7/8.....                                 |                 | 3/4 x 1/16 *  | 2.45  |
| 2 15/16.....                                        |                 | No Key        | 2.30  |
| E 7/8, 15/16.....                                   |                 | 3/16 x 3/32   | 11.45 |
| 1, 1 1/8, 1 3/16, 1 1/4.....                        |                 | 1/4 x 1/8     | 11.30 |
| 1 5/16, 1 3/8.....                                  |                 | 5/16 x 5/32   | 11.00 |
| 1 3/8†, 1 7/16, 1 1/2, 1 9/16, 1 5/8, .....         |                 | 3/8 x 3/16    | 10.60 |
| 1 11/16, 1 3/4.....                                 |                 | 3/8 x 3/16    | 10.30 |
| 1 13/16, 1 7/8, 1 15/16, 2, 2 1/16, .....           |                 | 1/2 x 1/4     | 9.80  |
| 2 1/8, 2 3/16, 2 1/4.....                           |                 | 1/2 x 1/4     | 9.30  |
| 2 1/4†, 2 5/16, 2 3/8, 2 7/16, 2 1/2.....           |                 | 5/8 x 5/16    | 8.70  |
| 2 9/16, 2 5/8, 2 11/16, 2 3/4.....                  |                 | 5/8 x 5/16    | 8.00  |
| 2 13/16, 2 7/8, 2 15/16, 3, 3 1/8, 3 3/16, 3 1/4... |                 | 3/4 x 1/8 *   | 7.00  |
| 3 5/16, 3 3/8, 3 7/16, 3 1/2.....                   |                 | 7/8 x 1/16 *  | 5.80  |

**Note: JA, SH, SDS, SD, SK, SF, E, F, J & M Bushings are machined out of ductile iron.**

\* Shallow Keyseat - Keystock supplied with bushing

† Oversize Key

+ Undersize Key

Note: A rectangular key is supplied with bushings that have shallow keyseats. This key will fit the standard depth keyseat on the shaft and the shallow keyseat on the bushing.

Ordering Example: (JA1.1/16)

| Bushing | Bore Range-inch                                       | Key Seat-inch | Wt.    |
|---------|-------------------------------------------------------|---------------|--------|
| F       | 1, 1 1/8, 1 3/16, 1 1/4.....                          | 1/4 x 1/8     | 18.60  |
|         | 1 3/8.....                                            | 5/16 x 5/32   | 18.60  |
|         | 1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4.....     | 3/8 x 3/16    | 18.00  |
|         | 1 13/16, 1 7/8, 1 15/16, 2, 2 1/16.....               | 1/2 x 1/4     | 16.80  |
|         | 2 1/8, 2 3/16, 2 1/4.....                             | 1/2 x 1/4     | 16.00  |
|         | 2 1/4†, 2 5/16, 2 3/8, 2 7/16, 2 1/2, 2 9/16.....     | 5/8 x 5/16    | 15.50  |
|         | 2 5/8, 2 11/16, 2 3/4.....                            | 5/8 x 5/16    | 14.20  |
|         | 2 13/16, 2 7/8, 2 15/16, 3, 3 1/8, 3 3/16, 3 1/4...   | 3/4 x 3/8     | 12.50  |
|         | 3 5/16, 3 3/8, 3 7/16, 3 1/2, 3 5/8, 3 11/16.....     | 7/8 x 3/16 *  | 10.50  |
|         | 3 3/4.....                                            | 7/8 x 3/16 *  | 9.80   |
|         | 3 7/8, 3 15/16.....                                   | 1 x 1/8 *     | 9.00   |
|         | 4.....                                                | No Key        | 7.90   |
| J       | 1 7/16, 1 1/2, 1 11/16, 1 3/4.....                    | 3/8 x 3/16    | 28.00  |
|         | 1 7/8, 1 15/16, 2, 2 1/16, 2 1/8, 2 3/16, 2 1/4.....  | 1/2 x 1/4     | 26.50  |
|         | 2 5/16, 2 3/8, 2 7/16, 2 1/2, 2 5/8.....              | 5/8 x 5/16    | 24.50  |
|         | 2 11/16, 2 3/4.....                                   | 5/8 x 5/16    | 23.50  |
|         | 2 7/8, 2 15/16, 3, 3 1/8, 3 3/16, 3 1/4.....          | 3/4 x 3/8     | 21.50  |
|         | 3 5/16, 3 3/8, 3 7/16, 3 1/2.....                     | 7/8 x 7/16    | 19.50  |
|         | 3 5/8, 3 11/16, 3 3/4.....                            | 7/8 x 7/16    | 17.80  |
|         | 3 13/16, 3 7/8, 3 15/16.....                          | 1 x 3/8 *     | 17.50  |
|         | 4, 4 1/8, 4 3/16, 4 1/4, 4 3/8, 4 7/16, 4 1/2.....    | 1 x 1/8 *     | 14.00  |
| M       | 1 15/16, 2, 2 3/16, 2 1/4.....                        | 1/2 x 1/4     | 61.50  |
|         | 2 3/8, 2 7/16, 2 1/2, 2 5/8, 2 11/16, 2 3/4.....      | 5/8 x 5/16    | 57.00  |
|         | 2 7/8, 2 15/16, 3, 3 1/8, 3 3/16, 3 1/4.....          | 3/4 x 3/8     | 53.50  |
|         | 3 3/8, 3 7/16, 3 1/2, 3 5/8, 3 11/16, 3 3/4.....      | 7/8 x 7/16    | 50.00  |
|         | 3 13/16, 3 7/8, 3 15/16, 4, 4 1/8, 4 3/16, 4 1/4, ..  | 1 x 1/2       | 45.00  |
|         | 4 3/8, 4 7/16, 4 1/2.....                             | 1 x 1/2       | 40.00  |
|         | 4 5/8, 4 11/16, 4 3/4.....                            | 1 1/4 x 5/8   | 37.00  |
|         | 4 7/8, 4 15/16, 5, 5 3/16, 5 1/4, 5 3/8, 5 7/16, .... | 1 1/4 x 1/4 * | 34.00  |
|         | 5 1/2.....                                            | 1 1/4 x 1/4 * | 28.70  |
| N       | 2 15/16, 3, 3 1/4.....                                | 3/4 x 3/8     | 80.00  |
|         | 3 3/8, 3 7/16, 3 1/2.....                             | 7/8 x 7/16    | 76.50  |
|         | 3 5/8, 3 3/4.....                                     | 7/8 x 7/16    | 73.50  |
|         | 3 7/8, 3 15/16, 4, 4 3/16, 4 1/4, 4 3/8, 4 7/16, .... | 1 x 1/2       | 68.00  |
|         | 4 1/2.....                                            | 1 x 1/2       | 63.00  |
|         | 4 5/8, 4 3/4, 4 7/8, 4 15/16, 5.....                  | 1 1/4 x 5/8   | 58.00  |
|         | 5 3/16, 5 1/4, 5 7/16, 5 1/2.....                     | 1 1/4 x 1/4 * | 53.00  |
|         | 5 7/8.....                                            | 1 1/2 x 1/4 * | 44.00  |
|         | 6.....                                                | 1 1/2 x 1/8 * | 44.00  |
| P       | 3 3/4.....                                            | 7/8 x 7/16    | 97.00  |
|         | 3 15/16, 4 7/16, 4 1/2.....                           | 1 x 1/2       | 122.00 |
|         | 4 7/8, 4 15/16, 5, 5 7/16, 5 1/2.....                 | 1 1/4 x 5/8   | 115.00 |
|         | 5 15/16.....                                          | 1 1/2 x 3/4   | 95.00  |
|         | 6, 6 7/16.....                                        | 1 1/2 x 1/4 * | 95.00  |
|         | 6 3/4, 7.....                                         | 1 3/4 x 1/8 * | 97.00  |
| W       | 5 3/4, 6, 6 1/2.....                                  | 1 1/2 x 3/4   | 190.00 |
|         | 6 3/4, 7, 7 1/4, 7 1/2.....                           | 1 3/4 x 7/8   | 200.00 |
|         | 7 3/4, 8, 8 1/2.....                                  | 2 x 1/4 *     | 198.00 |

**Note: JA, SH, SDS, SD, SK, SF, E, F, J & M Bushings are machined out of ductile iron.**

| Bushing | Bore Range-mm  | Key Seat-mm | Wt.    |
|---------|----------------|-------------|--------|
| JA      | 15, 16         | 5 x 2.3     | .50    |
|         | 19, 20, 22     | 6 x 2.8     | .40    |
|         | 24, 25, 28     | 8 x 3.3     | .40    |
| SH      | 15             | 5 x 2.3     | 1.20   |
|         | 20, 22         | 6 x 2.8     | 1.15   |
|         | 24, 25         | 8 x 3.3     | 1.00   |
|         | 28, 30         | 8 x 3.3     | .95    |
|         | 32, 35         | 10 x 3.3    | .80    |
|         | 38             | 10 x 2.8    | .70    |
| SDS     | 15             | 5 x 2.3     | 1.50   |
|         | 20             | 6 x 2.8     | 1.50   |
|         | 24, 25, 28, 30 | 8 x 3.3     | 1.50   |
|         | 32, 35, 38     | 10 x 3.3    | 1.30   |
|         | 40, 42         | 12 x 3.3    | 1.10   |
| SD      | 24, 25, 28, 30 | 8 x 3.3     | 1.80   |
|         | 32, 35, 38     | 10 x 3.3    | 1.60   |
|         | 40, 42         | 12 x 3.3    | 1.30   |
| SK      | 14             | 5 x 2.3     | 3.80   |
|         | 20             | 6 x 2.8     | 3.30   |
|         | 24, 25, 28, 30 | 8 x 3.3     | 3.50   |
|         | 32, 35, 38     | 10 x 3.3    | 3.20   |
|         | 40, 42         | 12 x 3.3    | 3.00   |
|         | 45, 48, 50     | 14 x 3.8    | 2.50   |
|         | 55             | 16 x 4.3    | 2.10   |
|         | 60             | 18 x 0.6    | 1.70   |
| SF      | 28, 30         | 8 x 3.3     | 5.00   |
|         | 32, 35, 38     | 10 x 3.3    | 4.70   |
|         | 40, 42         | 12 x 3.3    | 4.50   |
|         | 45, 48, 50     | 14 x 3.8    | 4.00   |
|         | 55             | 16 x 4.3    | 3.60   |
|         | 60, 65         | 18 x 4.4    | 3.00   |
| E       | 35, 38         | 10 x 3.3    | 10.90  |
|         | 40, 42         | 12 x 3.3    | 10.50  |
|         | 45, 48, 50     | 14 x 3.8    | 10.00  |
|         | 55             | 16 x 4.3    | 9.30   |
|         | 60, 65         | 18 x 4.4    | 8.60   |
|         | 70, 75         | 20 x 4.9    | 7.50   |
|         | 80             | 22 x 4.4    | 6.50   |
| F       | 42             | 12 x 3.3    | 17.80  |
|         | 45, 48, 50     | 14 x 3.8    | 17.10  |
|         | 55             | 16 x 4.3    | 16.40  |
|         | 60, 65         | 18 x 4.4    | 15.20  |
|         | 70, 75         | 20 x 4.9    | 13.50  |
|         | 80, 85         | 22 x 5.4    | 11.00  |
|         | 90             | 25 x 5.4    | 10.30  |
| J       | 50             | 14 x 3.8    | 27.00  |
|         | 55             | 16 x 4.3    | 26.20  |
|         | 60, 65         | 18 x 4.8    | 24.50  |
|         | 70, 75         | 20 x 4.9    | 22.90  |
|         | 80, 85         | 22 x 5.4    | 20.80  |
|         | 90, 95         | 25 x 5.4    | 18.00  |
|         | 100            | 28 x 6.4    | 18.20  |
| M       | 80             | 22 x 5.4    | 54.40  |
|         | 90             | 25 x 5.4    | 50.80  |
|         | 100            | 28 x 6.4    | 46.00  |
|         | 120            | 32 x 7.4    | 37.40  |
| N       | 90             | 25 x 5.4    | 72.30  |
|         | 100, 110       | 28 x 6.4    | 72.30  |
|         | 115, 120       | 32 x 7.4    | 59.75  |
| P       | 120            | 32 x 7.4    | 100.00 |
|         | 150            | 36 x 8.4    | 95.80  |

**Ordering Example: (JA15MM) or (E35MM)**

\* Shallow Keyseat - (Ductile Iron) Keystock supplied with bushing

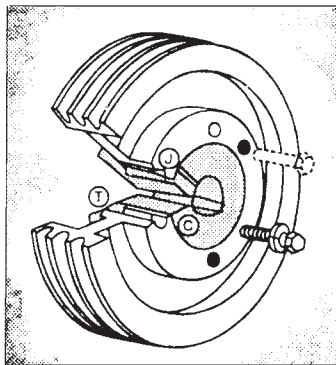
† Oversize Key

Note: A rectangular key is supplied with bushings that have shallow keyseats. This key will fit the standard depth keyseat on the shaft and the shallow keyseat on the bushing.

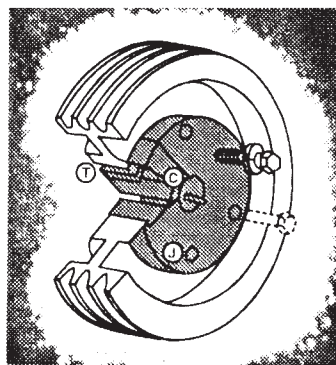
Ordering Example: (F1) or (F1.1/8) or (N5.7/8)



QD bushing sizes JA through N can be assembled in either of the two positions shown below. Sizes P through S should be assembled in position one. *Position One* is the conventional or standard mounting. *Position Two* (Reverse Mounting) may be necessary in some cases, such as mounting small sheaves with blind holes (not drilled through).



**Position 1**



**Position 2**

| Bushing Size | Cap Screw Size-Thread | Foot Pounds Wrench Torque* |
|--------------|-----------------------|----------------------------|
| JA           | 10-24                 | 3                          |
| SH-SDS-SD    | 1/4-20                | 6                          |
| SK           | 5/16-18               | 10                         |
| SF           | 3/8-16                | 20                         |
| E            | 1/2-13                | 40                         |
| F            | 9/16-12               | 50                         |
| J            | 5/8-11                | 90                         |
| M            | 3/4-10                | 150                        |
| N            | 7/8-9                 | 200                        |
| P            | 1-8                   | 300                        |
| W            | 1-1/8-7               | 400                        |
| S            | 1-1/4-7               | 500                        |

\*For Normal Applications. For Severe (Rock-crusher type) applications these values can be increased by a maximum of 50%

**Caution:** Excessive cap-screw torque can cause sheave and/or bushing breakage. The use of lubricants can cause sheave breakage.

Therefore,

**DO NOT USE LUBRICANTS IN THIS INSTALLATION!**

## INSTALLATION:

1. Make sure the tapered-cone surface of the bushing and the mating bore of the sheave are free of all foreign substances, such as dirt, excess paint accumulations, metal chips, lubricants, etc.
2. For position one or two (whichever applies), line up the unthreaded holes (C) with the threaded holes (t) and insert cap screws with lock washers engaging only two or three threads. (\*a)
3. With key in shaft keyway, slide the loosely-assembled unit onto shaft and position for good belt alignment. (\*b, \*c) **Use no lubricants or anti-seize compound on threads or tapered surfaces.**
4. Carefully tighten the capscrews alternately and progressively until the tapers are seated (at approximately half the recommended torque).
5. Check alignment and sheave runout (wobble) and correct as necessary.
6. Continue careful alternate and progressive tightening of the cap screws to the recommended torque values shown in the table. **Maximum torque should be achieved on each individual bolt only two times in the consecutive tightening.**

**Note:** When properly mounted, there will be a gap between the bushing flange and sheave after the screws are tightened.

**Caution:** Use of Lubricants and or excessive screw torque can cause breakage

7. Tighten the set screw, when available, to hold the key securely during installation and until cap screws are securely tightened.

## REMOVAL

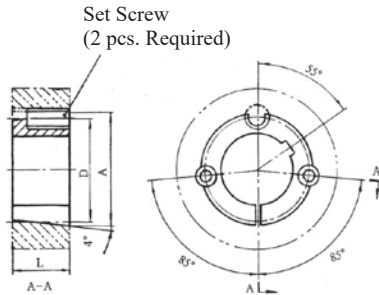
1. Loosen and remove all mounting cap screws.
2. Insert cap screws in all threaded jack screw holes (J).
3. Start with the screws furthest from the bushing saw slot and tighten all jack screws alternately and progressively. Keep turning the screws in small equal amounts until the tapered surfaces disengage.

(\*a) When mounting a sheave on M through W size bushing, position the threaded jack-apart hole (J) as far from the bushing saw as possible to reduce the possibility of bushing breakage.

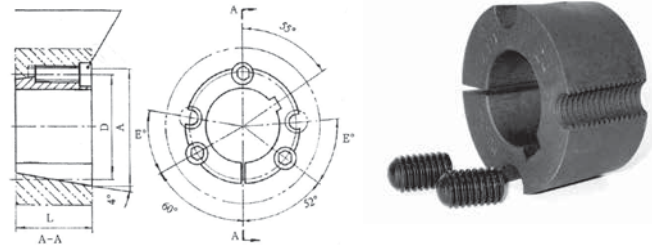
(\*b) When installing large or heavy parts in *Position One*, it may be easier to mount the key and bushing on the shaft first. Then place the sheave on the bushing and align the holes.

(\*c) **Caution:** When mounting on a vertical shaft, provisions must be made, which will positively prevent the sheave and/or bushing from dropping during installation.





Socket Head  
Cap Screws (3 pcs. Required)



| TB Bushing Dimensions |       |       |         | Set Screws<br>Dia. x Length |
|-----------------------|-------|-------|---------|-----------------------------|
| Bushing               | L     | A     | D       |                             |
| 1008                  | 7/8   | 1.386 | 1 21/64 | 1/4-20 x 1/2                |
| 1108                  | 7/8   | 1.511 | 1 29/64 | 1/4-20 x 1/2                |
| 1210                  | 1     | 1.875 | 1 3/4   | 3/8-16 x 5/8                |
| 1215                  | 1 1/2 | 1.875 | 1 3/4   | 3/8-16 x 5/8                |
| 1310                  | 1     | 2.000 | 1 7/8   | 3/8-16 x 5/8                |
| 1610                  | 1     | 2.250 | 2 1/8   | 3/8-16 x 5/8                |
| 1615                  | 1 1/2 | 2.250 | 2 1/8   | 3/8-16 x 5/8                |
| 2012                  | 1 1/4 | 2.750 | 2 5/8   | 7/16-14 x 7/8               |
| 2517                  | 1 3/4 | 3.375 | 3 1/4   | 1/2-13 x 1                  |
| **2517-BSW            | 1 3/4 | 3.375 | 3 1/4   | 1/2-12 x 1                  |
| 2525                  | 2 1/2 | 3.375 | 3 1/4   | 1/2-13 x 1                  |
| 3020                  | 2     | 4.250 | 4       | 5/8-11 x 1 1/4              |
| 3030                  | 3     | 4.250 | 4       | 5/8-11 x 1 1/4              |

| TB Bushing Dimensions |       |       |      | Set Screws<br>Cap Screws<br>Dia. x Length | E   |
|-----------------------|-------|-------|------|-------------------------------------------|-----|
| Bushing               | L     | A     | D    |                                           |     |
| 3535                  | 3 1/2 | 5     | 4.83 | 1/2-13 x 1 1/2                            | 39° |
| **3535-BSW            | 3 1/2 | 5     | 4.83 | 1/2-12 x 1 1/2                            | 39° |
| 4040                  | 4     | 5 3/4 | 5.54 | 5/8-11 x 1 3/4                            | 40° |
| 4545                  | 4 1/2 | 6 3/8 | 6.13 | 3/4-10 x 2                                | 40° |
| 5050                  | 5     | 7     | 6.72 | 7/8-9 x 2 1/4                             | 37° |

| Bushing | Bore Range-inch                                                                                                                                                                                | Key Seat-inch                                                                                                                              | Wt.                                                  |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| 1008    | 1/2, 9/16 .....<br>5/8, 11/16, 3/4, 13/16, 7/8 .....<br>15/16, 1 .....<br>1 1/16, 1 1/8 .....                                                                                                  | 1/8 x 1/16 .....<br>3/16 x 3/32 .....<br>1/4 x 1/16 * .....<br>1/4 x 1/16 * .....                                                          | .27<br>.21<br>.16<br>.17                             |
| 1108    | 1/2, 9/16 .....<br>5/8, 11/16, 3/4, 13/16, 7/8 .....<br>15/16, 1 .....<br>1 1/16, 1 1/8 .....                                                                                                  | 1/8 x 1/16 .....<br>3/16 x 3/32 .....<br>1/4 x 1/8 .....<br>1/4 x 1/16 * .....                                                             | .33<br>.27<br>.22<br>.17                             |
| 1210    | 1/2, 9/16 .....<br>5/8, 11/16, 3/4, 13/16, 7/8 .....<br>15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 .....                                                                                           | 1/8 x 1/16 .....<br>3/16 x 3/32 .....<br>1/4 x 1/8 .....<br>1/4 x 1/8 .....                                                                | .61<br>.55<br>.49<br>.49                             |
| 1215    | 1/2, 9/16 .....<br>5/8, 11/16, 3/4, 13/16, 7/8 .....<br>15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 .....                                                                                           | 1/8 x 1/16 .....<br>3/16 x 3/32 .....<br>1/4 x 1/8 .....<br>1/4 x 1/8 .....                                                                | .80<br>.70<br>.60<br>.60                             |
| 1310    | 1/2, 9/16 .....<br>5/8, 11/16, 3/4, 13/16, 7/8 .....<br>15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 .....<br>1 5/16, 1 3/8 .....                                                                    | 1/8 x 1/16 .....<br>3/16 x 3/32 .....<br>1/4 x 1/8 .....<br>5/16 x 5/32 .....                                                              | .70<br>.70<br>.60<br>.60                             |
| 1610    | 1/2, 9/16 .....<br>5/8, 11/16, 3/4, 13/16, 7/8 .....<br>15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 .....<br>1 5/16, 1 3/8 .....<br>1 7/16, 1 1/2 .....<br>1 9/16, 1 5/8 .....                      | 1/8 x 1/16 .....<br>3/16 x 3/32 .....<br>1/4 x 1/8 .....<br>5/16 x 5/32 .....<br>3/8 x 3/16 .....<br>3/8 x 1/8 * .....                     | .90<br>.80<br>.70<br>.70<br>.70<br>.70               |
| 1615    | 1/2, 9/16 .....<br>5/8, 11/16, 3/4, 13/16, 7/8 .....<br>15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 .....<br>1 5/16, 1 3/8 .....<br>1 7/16, 1 1/2 .....<br>1 9/16, 1 5/8 .....                      | 1/8 x 1/16 .....<br>3/16 x 3/32 .....<br>1/4 x 1/8 .....<br>5/16 x 5/32 .....<br>3/8 x 3/16 .....<br>3/8 x 1/8 * .....                     | 1.20<br>1.20<br>1.20<br>1.20<br>.80<br>.70           |
| 2012    | 1/2, 9/16 .....<br>5/8, 11/16, 3/4, 13/16, 7/8 .....<br>15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 .....<br>1 5/16, 1 3/8 .....<br>1 7/16, 1 1/2 .....<br>1 13/16, 1 7/8 .....<br>1 15/16, 2 ..... | 1/8 x 1/16 .....<br>3/16 x 3/32 .....<br>1/4 x 1/8 .....<br>5/16 x 5/32 .....<br>3/8 x 3/16 .....<br>1/2 x 1/4 .....<br>1/2 x 3/16 * ..... | 1.60<br>1.50<br>1.50<br>1.40<br>1.20<br>1.20<br>1.00 |

| Bushing    | Bore Range-inch                                                                                                                                                                                                                                                                                                    | Key Seat-inch                                                                                                                                                 | Wt.                                                                  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| 2517       | 1/2.....<br>5/8, 11/16, 3/4, 13/16, 7/8 .....                                                                                                                                                                                                                                                                      | 1/8 x 1/16 .....<br>3/16 x 3/32 .....                                                                                                                         | 3.50<br>3.30                                                         |
| &          | 15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 .....                                                                                                                                                                                                                                                                       | 1/4 x 1/8 .....<br>5/16 x 5/32 .....                                                                                                                          | 3.30<br>3.20                                                         |
| **2517-BSW | 1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4 .....<br>1 13/16, 1 7/8, 1 15/16, 2, 2 1/16, 2 1/8, 2 3/16, 2 1/4 .....<br>2 5/16, 2 3/8, 2 7/16, 2 1/2 .....                                                                                                                                                         | 3/8 x 3/16 .....<br>1/2 x 1/4 .....<br>5/8 x 3/16 * .....                                                                                                     | 3.00<br>2.40<br>1.90                                                 |
| 2525       | 3/4, 7/8 .....<br>15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 .....<br>1 5/16, 1 3/8 .....<br>1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4 .....<br>1 13/16, 1 7/8, 1 15/16, 2, 2 1/16, 2 1/8, 2 3/16, 2 1/4 .....<br>2 5/16, 2 3/8, 2 7/16, 2 1/2 .....                                                                | 3/16 x 3/32 .....<br>1/4 x 1/8 .....<br>5/16 x 5/32 .....<br>3/8 x 3/16 .....<br>1/2 x 1/4 .....<br>5/8 x 3/16 * .....                                        | 4.70<br>4.70<br>4.50<br>4.20<br>3.00<br>2.50                         |
| 3020       | 13/16 .....<br>15/16, 1, 1 1/8, 1 3/16, 1 1/4 .....<br>1 5/16, 1 3/8 .....<br>1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4 .....<br>1 7/8, 1 15/16, 2, 2 1/16, 2 1/8, 2 3/16, 2 1/4 .....<br>2 5/16, 2 3/8, 2 7/16, 2 1/2, 2 5/8, 2 11/16, 2 3/4 .....<br>2 7/8, 2 15/16, 3 .....                                  | 3/16 x 3/32 .....<br>1/4 x 1/8 .....<br>5/16 x 5/32 .....<br>3/8 x 3/16 .....<br>1/2 x 1/4 .....<br>5/8 x 5/16 .....<br>3/4 x 1/4 * .....                     | 5.30<br>6.50<br>6.30<br>5.80<br>5.30<br>4.50<br>3.80                 |
| 3030       | 13/16 .....<br>15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 .....<br>1 5/16, 1 3/8 .....<br>1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4 .....<br>1 13/16, 1 7/8, 1 15/16, 2, 2 1/16 .....<br>2 1/8, 2 3/16, 2 1/4 .....<br>2 5/16, 2 3/8, 2 7/16, 2 1/2 .....<br>2 5/8, 2 11/16, 2 3/4 .....<br>2 7/8, 2 15/16, 3 ..... | 3/16 x 3/32 .....<br>1/4 x 1/8 .....<br>5/16 x 5/32 .....<br>3/8 x 3/16 .....<br>1/2 x 1/4 .....<br>5/8 x 5/16 .....<br>5/8 x 5/16 .....<br>3/4 x 1/4 * ..... | 7.60<br>9.20<br>8.90<br>8.60<br>7.60<br>7.60<br>6.20<br>6.20<br>5.00 |
| 3535       | 1 3/16, 1 1/4.....<br>1 3/8 .....<br>1 7/16, 1 1/2, 1 5/8, 1 11/16, 1 3/4.....<br>1 7/8, 1 15/16, 2, 2 1/8, 2 3/16, 2 1/4 .....<br>2 5/16, 2 3/8, 2 7/16, 2 1/2, 2 5/8, 2 11/16, 2 3/4 .....<br>2 7/8, 2 15/16, 3, 3 1/8, 3 3/16, 3 1/4 .....<br>3 5/16, 3 3/8, 3 7/16, 3 1/2 .....                                | 1/4 x 1/8 .....<br>5/16 x 5/32 .....<br>3/8 x 3/16 .....<br>1/2 x 1/4 .....<br>5/8 x 5/16 .....<br>3/4 x 3/8 .....<br>7/8 x 1/4 * .....                       | 14.00<br>14.00<br>14.00<br>13.00<br>12.00<br>10.00<br>8.50           |
| **3535-BSW | 1 7/16, 1 1/2, 1 5/8, 1 11/16, 1 3/4.....<br>1 7/8, 1 15/16, 2, 2 1/8, 2 3/16, 2 1/4 .....<br>2 5/16, 2 3/8, 2 7/16, 2 1/2, 2 5/8, 2 11/16, 2 3/4 .....<br>2 7/8, 2 15/16, 3, 3 1/8, 3 3/16, 3 1/4 .....<br>3 3/8, 3 7/16, 3 1/2, 3 11/16, 3 3/4 .....<br>3 7/8, 3 15/16, 4 .....                                  | 5/8 x 5/16 .....<br>3/4 x 3/8 .....<br>7/8 x 7/16 .....<br>1 x 1/4 * .....                                                                                    | 22.00<br>22.00<br>22.00<br>17.00<br>15.00<br>12.50                   |
| 4040       | 1 7/16, 1 1/2, 1 5/8, 1 11/16, 1 3/4 .....<br>1 7/8, 1 15/16, 2, 2 1/8, 2 3/16, 2 1/4 .....<br>2 3/8, 2 7/16, 2 1/2, 2 5/8, 2 11/16, 2 3/4 .....<br>2 7/8, 2 15/16, 3, 3 1/8, 3 3/16, 3 1/4 .....<br>3 3/8, 3 7/16, 3 1/2, 3 11/16, 3 3/4 .....<br>3 7/8, 3 15/16, 4 .....                                         | 3/8 x 3/16 .....<br>1/2 x 1/4 .....<br>5/8 x 5/16 .....<br>3/4 x 3/8 .....<br>7/8 x 7/16 .....<br>1 x 1/4 * .....                                             | 22.00<br>22.00<br>22.00<br>17.00<br>15.00<br>12.50                   |
| 4545       | 1 15/16, 2, 2 3/16 .....<br>2 3/8, 2 7/16, 2 5/8, 2 3/4 .....<br>2 7/8, 2 15/16, 3, 3 1/8, 3 3/16, 3 1/4 .....<br>3 3/8, 3 7/16, 3 1/2, 3 5/8, 3 3/4 .....<br>3 7/8, 3 15/16, 4, 4 1/8, 4 3/16, 4 1/4 .....<br>4 3/8, 4 7/16, 4 1/2 .....                                                                          | 1/2 x 1/4 .....<br>5/8 x 5/16 .....<br>3/4 x 3/8 .....<br>7/8 x 7/16 .....<br>1 x 1/2 .....<br>1 x 1/4 * .....                                                | 30.00<br>30.00<br>30.00<br>22.00<br>18.00<br>16.00                   |
| 5050       | 2 7/16 .....<br>2 15/16 .....<br>3 3/8, 3 7/16, 3 5/8 .....<br>3 7/8, 3 15/16, 4, 4 1/4, 4 3/8, 4 7/16, 4 1/2 .....<br>4 7/8, 4 15/16, 5 .....                                                                                                                                                                     | 5/8 x 5/16 .....<br>3/4 x 3/8 .....<br>7/8 x 7/16 .....<br>1 x 1/2 .....<br>1 1/4 x 7/16 * .....                                                              | 38.00<br>38.00<br>38.00<br>27.00<br>21.50                            |

All sizes made out of Cast Iron.

\*\* These bushings are only to be used with metric sheaves.

\* Shallow Keyseat - Keystock supplied with bushing

† Oversize Key

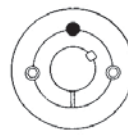
Note: A rectangular key is supplied with bushings that have shallow keyseats. This key will fit the standard depth keyseat on the shaft and the shallow keyseat on the bushing. Ordering Example: (1008-1/2) or (3535-BSW-2.15/16)

# TB Bushings

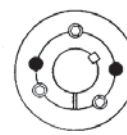
| Bushing                 | Bore Range-mm  | Keyway-mm | Wt.   |
|-------------------------|----------------|-----------|-------|
| 1008                    | 14, 16         | 5 x 2.3   | .27   |
|                         | 18, 19, 20, 22 | 6 x 2.8   | .27   |
|                         | 24, 25         | 8 x 2.3   | .27   |
| 1108                    | 14, 16         | 5 x 2.3   | .33   |
|                         | 18, 19, 20, 22 | 6 x 2.8   | .33   |
|                         | 24, 25         | 8 x 3.3   | .33   |
|                         | 28             | 8 x 2.3   | .33   |
| 1210                    | 14, 16         | 5 x 2.3   | .61   |
|                         | 18, 19, 20, 22 | 6 x 2.8   | .61   |
|                         | 24, 25, 28, 30 | 8 x 3.3   | .61   |
|                         | 32             | 10 x 3.3  | .61   |
| 1215                    | 14, 16         | 5 x 2.3   | .80   |
|                         | 18, 19, 20, 22 | 6 x 2.8   | .80   |
|                         | 24, 25, 28, 30 | 8 x 3.3   | .80   |
|                         | 32             | 10 x 3.3  | .80   |
| 1310                    | 14, 16         | 5 x 2.3   | .70   |
|                         | 18, 19, 20, 22 | 6 x 2.8   | .70   |
|                         | 24, 25, 28, 30 | 8 x 3.3   | .70   |
|                         | 32, 35         | 10 x 3.3  | .70   |
| 1610                    | 14, 16         | 5 x 2.3   | .90   |
|                         | 18, 19, 20, 22 | 6 x 2.8   | .90   |
|                         | 24, 25, 28, 30 | 8 x 3.3   | .90   |
|                         | 32, 35, 38     | 10 x 3.3  | .90   |
|                         | 40             | 12 x 3.3  | .90   |
|                         | 42             | 12 x 2.8  | .90   |
| 1615                    | 14, 16         | 5 x 2.3   | 1.20  |
|                         | 18, 19, 20, 22 | 6 x 2.8   | 1.20  |
|                         | 24, 25, 28, 30 | 8 x 3.3   | 1.20  |
|                         | 32, 35, 38     | 10 x 3.3  | 1.20  |
|                         | 40             | 12 x 3.3  | 1.20  |
|                         | 42             | 12 x 2.8  | 1.20  |
| 2012                    | 18, 19, 20, 22 | 6 x 2.8   | 1.70  |
|                         | 24, 25, 28, 30 | 8 x 3.3   | 1.70  |
|                         | 32, 35, 38     | 10 x 3.3  | 1.70  |
|                         | 40, 42         | 12 x 3.3  | 1.70  |
|                         | 45, 48, 50     | 14 x 3.8  | 1.70  |
|                         |                |           |       |
| 2517<br>&<br>**2517-BSW | 20, 22         | 6 x 2.8   | 3.50  |
|                         | 24, 25, 28, 30 | 8 x 3.3   | 3.50  |
|                         | 32, 35, 38     | 10 x 3.3  | 3.50  |
|                         | 40, 42         | 12 x 3.3  | 3.50  |
|                         | 45, 48, 50     | 14 x 3.8  | 3.50  |
|                         | 55             | 16 x 4.3  | 2.05  |
| 3020<br>and<br>3030     | 60             | 18 x 4.4  | 1.75  |
|                         | 25, 28, 30     | 8 x 3.3   | 6.50  |
|                         | 32, 35, 38     | 10 x 3.3  | 6.50  |
|                         | 40, 42         | 12 x 3.3  | 6.50  |
|                         | 45, 48, 50     | 14 x 3.8  | 6.50  |
|                         | 55             | 16 x 4.3  | 6.50  |
| 3535<br>&<br>**3535-BSW | 60, 65         | 18 x 4.4  | 4.50  |
|                         | 70, 75         | 20 x 4.9  | 3.50  |
|                         | 35, 38         | 10 x 3.3  | 14.00 |
|                         | 40, 42         | 12 x 3.3  | 14.00 |
|                         | 45, 48, 50     | 14 x 3.8  | 14.00 |
|                         | 55             | 16 x 4.3  | 14.00 |
| 4040                    | 60, 65         | 18 x 4.4  | 14.00 |
|                         | 70, 75         | 20 x 4.9  | 14.00 |
|                         | 80, 85         | 22 x 5.4  | 14.00 |
|                         | 90             | 25 x 5.4  | 14.00 |
|                         | 40, 42         | 12 x 3.3  | 22.00 |
|                         | 45, 48, 50     | 14 x 3.8  | 22.00 |
| 4545                    | 55             | 16 x 4.3  | 22.00 |
|                         | 60, 65         | 18 x 4.4  | 22.00 |
|                         | 70, 75         | 20 x 4.9  | 22.00 |
|                         | 80, 85         | 22 x 5.4  | 22.00 |
|                         | 90, 95         | 25 x 5.4  | 22.00 |
|                         | 100, 105, 110  | 28 x 6.4  | 22.00 |
| 5050                    | 60, 65         | 18 x 4.4  | 38.00 |
|                         | 70, 75         | 20 x 4.9  | 38.00 |
|                         | 80, 85         | 22 x 5.4  | 38.00 |
|                         | 90, 95         | 25 x 5.4  | 38.00 |
|                         | 100, 105, 110  | 28 x 6.4  | 38.00 |
|                         | 115, 120, 125  | 32 x 7.4  | 38.00 |

\*\* These bushings are only to be used with metric sheaves

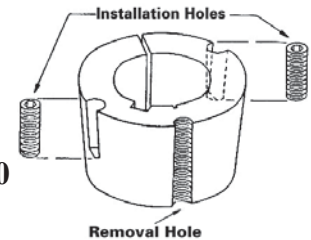
## TB BUSHINGS INSTALLATION



1008 to 3030



3535 to 5050



## INSTALLATION

1. Properly clean shaft, bore and taper surface of bushing. Remove or degrease any oil, paint or dirt.
2. Install the bushing into the pulley hub. Be sure to match the hole pattern, not the threaded holes. Match the half threaded holes with the half straight holes (a complete hole will be threaded on one side only.)
3. Lightly oil the set screws (1008 to 3030) or the cap screws (3525 to 5050), be sure to oil under the cap screw head. Install the screws into the holes that are threaded on the hub side (shown as  in diagram). DO NOT LUBRICATE THE BUSHING TAPER OR BORE. BREAKAGE OF PRODUCT MAY OCCUR.
4. Fit the pulley with the bushing onto the shaft and locate in the proper location. Install key into the keyway of the shaft and bushing.
5. Tighten screws alternately and gradually in accordance with the torques listed on the Recommended Wrench Torque chart.
6. Using a hammer with a block or sleeve (do not hit bushing directly with hammer) tap on large end of the bushing and re-tighten screws per the appropriate Wrench Torque Values.
7. Fill screw heads with grease to eliminate dirt build up.

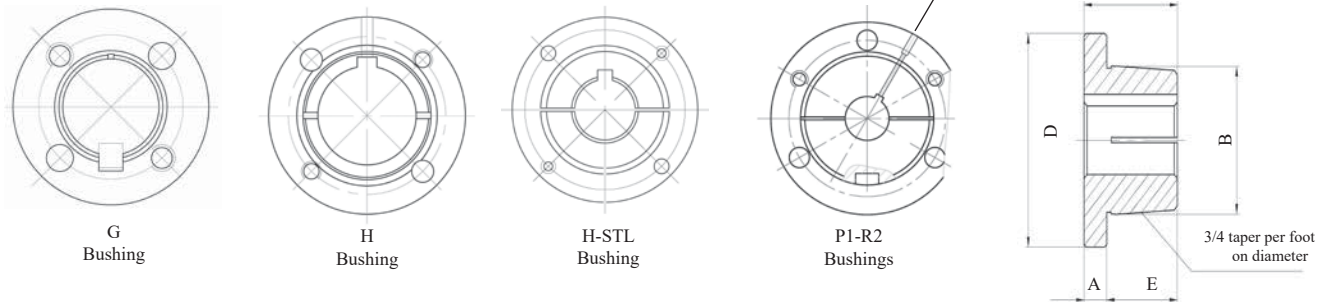
## REMOVAL

1. Remove all screws and lightly oil the point and threads. Oil under cap screws if used.
2. Install screws into the holes that are threaded only on the bushing side (shown as  in diagram).
3. Tighten screws uniformly and alternately until the bushing is loose from in the hub and pulley is free from the shaft. Tap on small end of bushing to assist removal if it does not loosen. Note: One screw is not used for removal.

| Recommended Wrench Torque |       |                 |                    |
|---------------------------|-------|-----------------|--------------------|
| Bushing #                 | Lb-In | Nm <sup>2</sup> | Set Screw Hex Size |
| 1008, 1108                | 53    | 6               | 1/8"               |
| 1210, 1215                | 176   | 20              | 3/16"              |
| 1310                      | 176   | 20              | 3/16"              |
| 1610, 1615                | 176   | 20              | 3/16"              |
| 2012                      | 273   | 31              | 7/32"              |
| 2517-BSW                  | 422   | 48              | 6mm                |
| 2525                      | 422   | 48              | 1/4"               |
| 3020, 3030                | 790   | 90              | 5/16"              |
| 3535-BSW                  | 986   | 112             | 10mm               |
| 4040                      | 1,670 | 190             | 1/2"               |
| 4545                      | 2,380 | 270             | 5/8"               |
| 5050                      | 3,080 | 350             | 3/4"               |

Ordering Example: (1008-14MM) or (3535-BSW-50MM)

# DOUBLE SPLIT TAPER BUSHINGS



| Double Split Taper Bushing - Dimensions (inches) |       |         |       |         |         | Id boID<br>Required | Cap Screws Grade 5 Min. |             |
|--------------------------------------------------|-------|---------|-------|---------|---------|---------------------|-------------------------|-------------|
| Bushing                                          | A     | B       | D     | E       | L       |                     | Qty.                    | Size        |
| G                                                | 1/4   | 1.172   | 2     | 3/4     | 1       | 1 9/16              | 2                       | 1/4 x 5/8   |
| H*                                               | 11/32 | 1 5/8   | 2 1/2 | 1       | 1 11/32 | 2                   | 2                       | 1/4 x 1     |
| H-STL**                                          | 1/4   | 1 5/8   | 2 1/2 | 1       | 1 1/4   | 2                   | 2                       | 1/4 x 3/4   |
| P1                                               | 13/32 | 1 15/16 | 3     | 1 17/32 | 1 15/16 | 2 7/16              | 3                       | 5/16 x 1    |
| P2                                               | 13/32 | 1 15/16 | 3     | 2 17/32 | 2 15/16 | 2 7/16              | 3                       | 5/16 x 1    |
| Q1                                               | 17/32 | 2 7/8   | 4 1/8 | 1 31/32 | 2 1/2   | 3 3/8               | 3                       | 3/8 x 1 1/4 |
| Q2                                               | 17/32 | 2 7/8   | 4 1/8 | 2 31/32 | 3 1/2   | 3 3/8               | 3                       | 3/8 x 1 1/4 |
| R1                                               | 5/8   | 4       | 5 3/8 | 2 1/4   | 2 7/8   | 4 5/8               | 3                       | 3/8 x 1 3/4 |
| R2                                               | 5/8   | 4       | 5 3/8 | 4 1/4   | 4 7/8   | 4 5/8               | 3                       | 3/8 x 1 3/4 |

\*Standard H bushings are made out of powdered metal and include a set screw over the keyway.

\*\*STL H bushings are optional and are made out of steel. These do not have a set screw.

| Bushing | Bore Range-inch                                                                                                                                                                                                                                                                                            | Wt.                                          | Key Seat- inch                                                                         |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------|
| G       | 3/8, 7/16, .....0.40<br>1/2, 9/16 .....0.40<br>5/8, 11/16, 3/4, 13/16, 7/8 .....0.40<br>15/16, 1 .....0.40                                                                                                                                                                                                 | 0.40<br>0.40<br>0.40<br>0.40                 | None<br>1/8 x 1/16<br>3/16 x 3/32<br>1/4 x 1/16 *                                      |
| H       | 3/8**, 7/16**, .....0.90<br>1/2**, 9/16** .....0.90<br>5/8, 11/16, 3/4, 13/16, 7/8 .....0.90<br>15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 .....0.90<br>1 5/16, 1 3/8 .....0.90<br>1 3/8†, 1 7/16**, 1 1/2** .....0.90                                                                                         | 0.90<br>0.90<br>0.90<br>0.90<br>0.90<br>0.90 | 3/32 x 3/64<br>1/8 x 1/16<br>3/16 x 3/32<br>1/4 x 1/8<br>5/16 x 1/16 *<br>3/8 x 1/16 * |
| P1      | 1/2, 9/16, .....1.70<br>5/8, 21/32, 11/16, 3/4, 25/32, 13/16, 7/8 .....1.70<br>15/16, 31/32, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 .....1.70<br>1 5/16, 1 3/8 .....1.70<br>1 7/16, 1 1/2, 1 5/8, 1 11/16, 1 3/4 .....1.70                                                                                        | 1.70<br>1.70<br>1.70<br>1.70<br>1.70         | 1/8 x 1/16<br>3/16 x 3/32<br>1/4 x 1/8<br>5/16 x 5/32<br>3/8 x 3/16                    |
| P2      | 3/4, 13/16, 7/8 .....2.18<br>15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 .....2.18<br>1 5/16, 1 3/8 .....2.18<br>1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16 .....2.18                                                                                                                                                | 2.18<br>2.18<br>2.18<br>2.18                 | 3/16 x 3/32<br>1/4 x 1/8<br>5/16 x 5/32<br>3/8 x 3/16                                  |
| Q1      | 3/4, 13/16, 7/8 .....4.60<br>15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4, .....4.60<br>1 5/16, 1 3/8 .....4.60<br>1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4 .....4.60<br>1 13/16, 1 7/8, 1 15/16, 2 2 1/16, 2 1/8, 2 3/16, 2 1/4 .....4.60<br>2 5/16, 2 3/8, 2 7/16, 2 1/2, 2 9/16, 2 5/8, 2 11/16 .....4.60 | 4.60<br>4.60<br>4.60<br>4.60<br>4.60<br>4.60 | 3/16 x 3/32<br>1/4 x 1/8<br>5/16 x 5/32<br>3/8 x 3/16<br>1/2 x 1/4<br>5/8 x 5/16       |

| Bushing                                                        | Bore Range-inch | Wt.  | Key Seat- inch |
|----------------------------------------------------------------|-----------------|------|----------------|
| Q2 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4.....                        | 5.80            | 1/4  | x 1/8          |
| 1 5/16, 1 3/8.....                                             | 5.80            | 5/16 | x 5/32         |
| 1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4.....              | 5.80            | 3/8  | x 3/16         |
| 1 13/16, 1 7/8, 1 15/16, 2.....                                | 5.80            | 1/2  | x 1/4          |
| 2 1/16, 2 1/8, 2 3/16, 2 1/4.....                              | 5.80            | 1/2  | x 1/4          |
| 2 5/16, 2 3/8, 2 7/16, 2 1/2, 2 9/16,.....                     | 5.80            | 5/8  | x 5/16         |
| R1 1 1/8,1 3/16, 1 1/4 .....                                   | 9.95            | 1/4  | x 1/8          |
| 1 5/16, 1 3/8, .....                                           | 9.95            | 5/16 | x 5/32         |
| 1 7/16 .....                                                   | 9.95            | 3/8  | x 3/16         |
| 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4 .....                     | 9.95            | 3/8  | x 3/16         |
| 1 13/16, 1 7/8, 1 15/16, 2, 2 1/16, 2 1/8, 2 3/16, 2 1/4.....  | 9.95            | 1/2  | x 1/4          |
| 2 5/16, 2 3/8, 2 7/16, 2 1/2.....                              | 9.95            | 5/8  | x 5/16         |
| 2 9/16, 2 5/8, 2 11/16, 2 3/4.....                             | 9.95            | 5/8  | x 5/16         |
| 2 13/16, 2 7/8, 2 15/16, 3, 3 1/8, 3 3/16, 3 1/4 .....         | 9.95            | 3/4  | x 3/8          |
| 3 3/8, 3 7/16, 3 1/2, 3 5/8, 3 3/4 .....                       | 9.95            | 7/8  | x 7/16         |
| R2 1 3/8 .....                                                 | 14.38           | 5/16 | x 5/32         |
| 1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4 .....             | 14.38           | 3/8  | x 3/16         |
| 1 13/16, 1 7/8, 1 15/16, 2, 2 1/16, 2 1/8, 2 3/16, 2 1/4 ..... | 14.38           | 1/2  | x 1/4          |
| 2 5/16, 2 3/8, 2 7/16, 2 1/2.....                              | 14.38           | 5/8  | x 5/16         |
| 2 9/16, 2 5/8, 2 11/16, 2 3/4 .....                            | 14.38           | 5/8  | x 5/16         |
| 2 13/16, 2 7/8, 2 15/16, 3, 3 1/8, 3 3/16, 3 1/4 .....         | 14.38           | 3/4  | x 3/8          |
| 3 3/8, 3 7/16, 3 1/2 .....                                     | 14.38           | 7/8  | x 7/16         |

\* Shallow Keyseat - Keystock supplied with bushing

\*\* These H bushings are only available in steel.

† Oversize Key

Note: A rectangular key is supplied with bushings that have shallow keyseats. This key will fit the standard depth keyseat on the shaft and the shallow keyseat on the bushing.

Ordering Example: (P1-1) or (Q1-1.1/16) or (H1-1/16) or (H1-1/16-STL)

All sizes except H are made out of Ductile Iron.

## DOUBLE SPLIT TAPER BUSHINGS

| Bushing | Bore Range-mm      | Key Seat-mm | Wt.   |
|---------|--------------------|-------------|-------|
| G       | 10, 11, 12,        | No Key      | 0.4   |
|         | 14, 16,            | 5 x 2.3     | 0.4   |
|         | 18, 19, 20, 22,    | 6 x 2.8     | 0.4   |
|         | 24                 | 8 x 2.2     | 0.4   |
|         | 25                 | 8 x 1.7     | 0.4   |
| H       | 10**, 11**         | No Key      | 0.9   |
|         | 14**, 15**, 16, 17 | 5 x 2.3     | 0.9   |
|         | 18, 19, 20, 22     | 6 x 2.8     | 0.9   |
|         | 24, 25, 28, 30     | 8 x 3.3     | 0.9   |
|         | 32**, 35**         | 10 x 3.3    | 0.9   |
| P1      | 14, 15, 16,        | 5 x 2.3     | 1.7   |
|         | 18, 19, 20, 22     | 6 x 2.8     | 1.7   |
|         | 24, 25, 28, 30     | 8 x 3.3     | 1.7   |
|         | 32, 35, 36, 38,    | 10 x 3.3    | 1.7   |
|         | 39, 40, 42         | 12 x 3.3    | 1.7   |
| Q1      | 18, 19, 20, 22     | 6 x 2.8     | 4.60  |
|         | 24, 25, 28, 30     | 8 x 3.3     | 4.60  |
|         | 32, 35, 36, 38,    | 10 x 3.3    | 4.60  |
|         | 40, 42             | 12 x 3.3    | 4.60  |
|         | 45, 48, 50         | 14 x 3.8    | 4.60  |
|         | 55                 | 16 x 4.3    | 4.60  |
|         | 60, 65             | 18 x 4.4    | 4.60  |
| R1      | 28, 30             | 8 x 3.3     | 9.95  |
|         | 32, 35, 36, 38     | 10 x 3.3    | 9.95  |
|         | 39, 40, 42         | 12 x 3.3    | 9.95  |
|         | 45, 48, 50         | 14 x 3.8    | 9.95  |
|         | 55                 | 16 x 4.3    | 9.95  |
|         | 60, 65             | 18 x 4.4    | 9.95  |
|         | 70, 75             | 20 x 4.9    | 9.95  |
|         | 80, 85             | 22 x 5.4    | 9.95  |
| R2      | 90, 95             | 25 x 5.4    | 9.95  |
|         | 35, 36, 38         | 10 x 3.3    | 14.38 |
|         | 39, 40, 42         | 12 x 3.3    | 14.38 |
|         | 45, 48, 50         | 14 x 3.8    | 14.38 |
|         | 55                 | 16 x 4.3    | 14.38 |
|         | 60, 65             | 18 x 4.4    | 14.38 |
|         | 70, 75             | 20 x 4.9    | 14.38 |
|         | 80, 85,            | 22 x 5.4    | 14.38 |
|         | 90                 | 25 x 5.4    | 14.38 |

\*\* These H bushings are only available in steel.

## DOUBLE SPLIT TAPER BUSHINGS INSTALLATION INSTRUCTIONS



### INSTALLATION

1. Properly clean shaft, bore and taper surfaces of bushing. Remove and degrease any excess oil, paint or dirt, this includes the cap screws. Caution: Excessive cap screw torque can cause sheave or bushing breakage. The use of lubricants can cause sheave breakage. **DO NOT USE LUBRICANTS OF ANY TYPE WITH THIS INSTALLATION.**
2. Install the bushing into the hub and match the unthreaded bushing holes with the threaded holes of the hub. Install the cap screws and lock washers through the unthreaded holes and into the threaded holes of the hub. Engage only a few threads by hand – Do not use a wrench.
3. Install key into the keyway of the shaft and fit assembly onto the shaft and locate in the proper location.
4. Tighten cap screws alternately and gradually. Tighten cap screws to the recommended Wrench Torque Value using a torque wrench.

### REMOVAL

Remove cap screws and insert into the tapped holes in the bushing. Tighten them alternately and gradually until the bushing disengages from the hub.

| Recommended Wrench Torque |       |       |
|---------------------------|-------|-------|
| Bushing #                 | lb-in | lb-ft |
| G                         | 95    | 8     |
| H                         | 95    | 8     |
| P1                        | 192   | 16    |
| P2                        | 192   | 16    |
| Q1                        | 348   | 29    |
| Q2                        | 348   | 29    |
| R1                        | 348   | 29    |
| R2                        | 348   | 29    |

## Minimum Plain Bore Bushings



**QD Style**

| Part#  | Bore Size |
|--------|-----------|
| JAMPB  | 1/2       |
| SHMPB  | 1/2       |
| SDSMPB | 1/2       |
| SDMPB  | 1/2       |
| SKMPB  | 1/2       |
| SFMPB  | 1/2       |
| EMPB   | 7/8       |
| FMPB   | 1         |
| JMPB   | 1 1/2     |
| MMPB   | 2         |
| NMPB   | 2 7/16    |
| WMPB   | 4         |



**DST Style**

| Part# | Bore Size |
|-------|-----------|
| GMPB  | 3/8       |
| HMPB  | 3/8       |
| P1MPB | 1/2       |
| P2MPB | 3/4       |
| Q1MPB | 3/4       |
| Q2MPB | 1         |
| R1MPB | 1 1/8     |
| R2MPB | 1 3/8     |



**TB Style**

| Part#   | Bore Size | Keyway      |
|---------|-----------|-------------|
| 1008MPB | 1/2       | 1/8 x 1/16  |
| 1108MPB | 1/2       | 1/8 x 1/16  |
| 1210MPB | 1/2       | 1/8 x 1/16  |
| 1215MPB | 1/2       | 1/8 x 1/16  |
| 1310MPB | 1/2       | 1/8 x 1/16  |
| 1610MPB | 1/2       | 1/8 x 1/16  |
| 1615MPB | 1/2       | 1/8 x 1/16  |
| 2012MPB | 1/2       | 1/8 x 1/16  |
| 2517MPB | 1/2       | 1/8 x 1/16  |
| 2525MPB | 7/8       | 3/16 x 3/32 |
| 3020MPB | 15/16     | 1/4 x 1/8   |
| 3030MPB | 15/16     | 1/4 x 1/8   |
| 3535MPB | 1 3/16    | 1/4 x 1/8   |
| 4040MPB | 1 7/16    | 3/8 x 3/16  |
| 4545MPB | 1 15/16   | 1/2 x 1/4   |
| 5050MPB | 2 7/16    | 5/8 x 5/16  |

Note: MPB bushings are unsplit and unless noted have no keyway for ease of machining. Bushings must be saw cut prior to use.

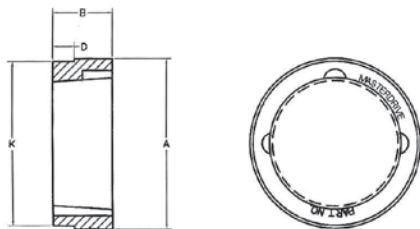
### Replacement Bolt Kits for Bushings

| Bushing | Bolt Kit P/N | Bushing | Bolt Kit P/N |
|---------|--------------|---------|--------------|
| 1008    | 1008BK       | P1      | P1BK         |
| 1108    | 1108BK       | P2      | P2BK         |
| 1210    | 1210BK       | Q1      | Q1BK         |
| 1215    | 1215BK       | Q2      | Q2BK         |
| 1310    | 1310BK       | R1      | R1BK         |
| 1610    | 1610BK       | R2      | R2BK         |
| 1615    | 1615BK       | JA      | JABK         |
| 2012    | 2012BK       | SH      | SHBK         |
| 2517    | 2517BK       | SDS     | SDSBK        |
| 2525    | 2525BK       | SD      | SDBK         |
| 3020    | 3020BK       | SK      | SKBK         |
| 3030    | 3030BK       | SF      | SFBK         |
| 3535    | 3535BK       | E       | EBK          |
| 4040    | 4040BK       | F       | FBK          |
| 4545    | 4545BK       | J       | JBK          |
| 5050    | 5050BK       | M       | MBK          |
| G       | GBK          | N       | NBK          |
| H       | HBK          | P       | PBK          |

Note: Each kit contains bolts and washers for one bushing.



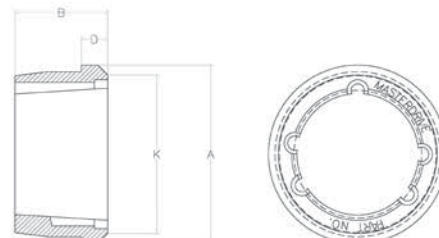
## Weld-On Hubs



S Style TB Bushing Weld-On Hubs

| S Style Weld-On Hub Dimensions |         |       |       |       |       | Thread Dia. |
|--------------------------------|---------|-------|-------|-------|-------|-------------|
| HUBS                           | Bushing | A     | B     | D     | K     |             |
| S16-4                          | 1610    | 3.000 | 1.000 | 0.275 | 2.875 | 3/8-16      |
| S16-6                          | 1610    | 3.000 | 1.000 | 0.450 | 2.875 | 3/8-16      |
| S20-6                          | 2012    | 3.563 | 1.250 | 0.450 | 3.438 | 7/16-14     |
| S20-8                          | 2012    | 3.563 | 1.250 | 0.570 | 3.438 | 7/16-14     |
| S25-6                          | 2517    | 4.250 | 1.750 | 0.450 | 4.125 | 1/2-13      |
| S25-8                          | 2517    | 4.250 | 1.750 | 0.565 | 4.125 | 1/2-13      |
| S25-10                         | 2517    | 4.250 | 1.750 | 0.685 | 4.125 | 1/2-13      |
| S25-16                         | 2517    | 4.250 | 1.750 | 1.090 | 4.125 | 1/2-13      |
| S30-10                         | 3020    | 5.250 | 2.000 | 0.675 | 5.125 | 5/8-11      |
| S30-16                         | 3020    | 5.250 | 2.000 | 1.090 | 5.125 | 5/8-11      |
| S35                            | 3535    | 6.500 | 3.500 | 1.160 | 6.375 | 1/2-13      |

### TB BUSHING WELD-ON HUBS



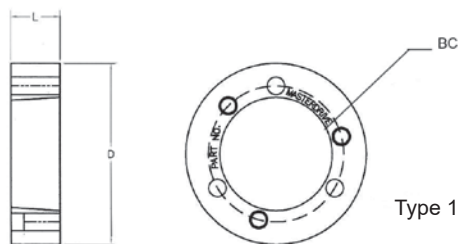
W Style TB Bushing Weld-On Hubs

| W Style Weld-On Hub Dimensions |         |       |       |       |       | Thread Dia. |
|--------------------------------|---------|-------|-------|-------|-------|-------------|
| HUBS                           | Bushing | A     | B     | D     | K     |             |
| W12                            | 1215    | 2.875 | 1.500 | 0.625 | 2.500 | 3/8-16      |
| W16                            | 1615    | 3.250 | 1.500 | 0.625 | 2.875 | 3/8-16      |
| W25                            | 2517    | 4.875 | 1.750 | 0.750 | 4.375 | 1/2-13      |
| WA30                           | 3030    | 5.500 | 3.000 | 0.750 | 5.125 | 5/8-11      |
| WA35                           | 3535    | 6.750 | 3.500 | 1.000 | 6.250 | 1/2-13      |
| WA40                           | 4040    | 7.750 | 4.000 | 1.000 | 7.250 | 5/8-11      |
| WA45                           | 4545    | 8.750 | 4.500 | 1.000 | 8.000 | 3/4-10      |
| WA50                           | 5050    | 9.500 | 5.000 | 1.000 | 8.750 | 7/8-9       |

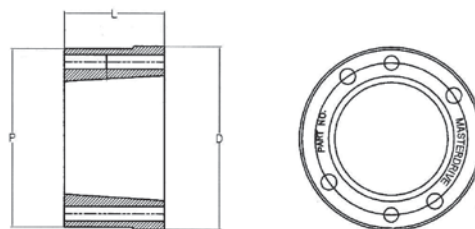
### QD BUSHING WELD-ON HUBS

| QD Weld-On Hub Dimensions |       |       |       |      | Thread Dia. |
|---------------------------|-------|-------|-------|------|-------------|
| HUBS                      | D     | L     | BC    | Type |             |
| JA-A                      | 2.250 | 0.563 | 1.656 | 1    | 10-24       |
| SH-A                      | 3.000 | 0.813 | 2.250 | 1    | 1/4-20      |
| SDS-A                     | 3.500 | 0.750 | 2.688 | 1    | 1/4-20      |
| SK-A                      | 4.375 | 1.250 | 3.313 | 1    | 5/16-18     |
| SF-A                      | 5.000 | 1.250 | 3.875 | 1    | 3/8-16      |
| E-A                       | 6.250 | 1.625 | 5.000 | 1    | 1/2-13      |
| F-A                       | 7.000 | 2.500 | 5.625 | 1    | 9/16-12     |
| J-A                       | 7.750 | 3.188 | 6.250 | 1    | 5/8-11      |

| QD Weld-On Hub Dimensions |       |       |        |      | Thread Dia. |
|---------------------------|-------|-------|--------|------|-------------|
| HUBS                      | D     | L     | P      | Type |             |
| M-A                       | 9.50  | 5.188 | 9.250  | 2    | 3/4-10      |
| N-A                       | 10.50 | 6.250 | 10.250 | 2    | 7/8-9       |



Type 1

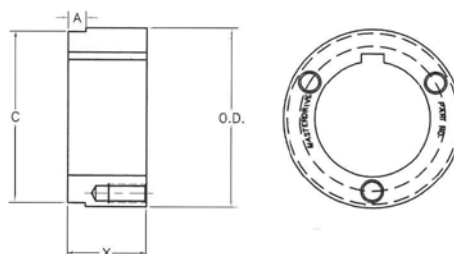


Type 2

Can only be mounted from one direction.

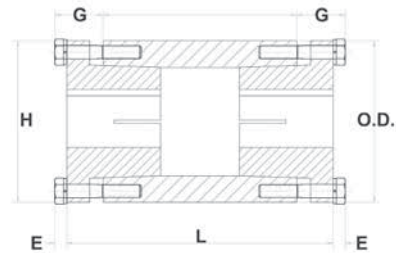
| DST Style Weld-On Hub Dimensions |      |       |       |       | Thread Dia. |
|----------------------------------|------|-------|-------|-------|-------------|
| HUBS                             | O.D  | A     | C     | X     |             |
| HG1                              | 2.00 | 0.174 | 1.875 | 0.625 | 1/4-20      |
| HH1                              | 2.50 | 0.174 | 2.375 | 0.875 | 1/4-20      |
| HCH1                             | 2.50 | 0.625 | 2.375 | 0.875 | 1/4-20      |
| HP1                              | 3.00 | 0.292 | 2.875 | 1.313 | 5/16-18     |
| HCP1                             | 3.00 | 1.000 | 2.875 | 1.313 | 5/16-18     |
| HP2                              | 3.00 | 1.100 | 2.875 | 2.313 | 5/16-18     |
| HQ1                              | 4.50 | 0.709 | 4.375 | 1.750 | 3/8-16      |
| HCQ1                             | 4.50 | 1.250 | 4.375 | 1.750 | 3/8-16      |
| HQ2                              | 4.50 | 1.606 | 4.375 | 2.750 | 3/8-16      |
| HR1                              | 5.75 | 0.709 | 5.625 | 2.000 | 3/8-16      |
| HR2                              | 5.75 | 1.606 | 5.625 | 4.000 | 3/8-16      |

### DST BUSHING WELD-ON HUBS

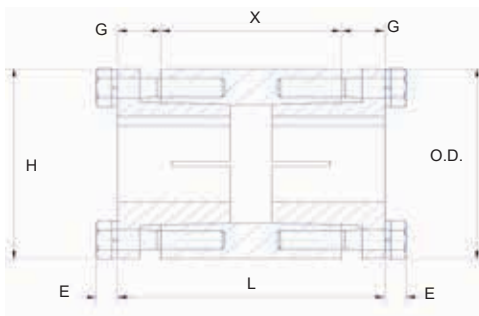


All sizes made out of **Low Carbon Steel**.

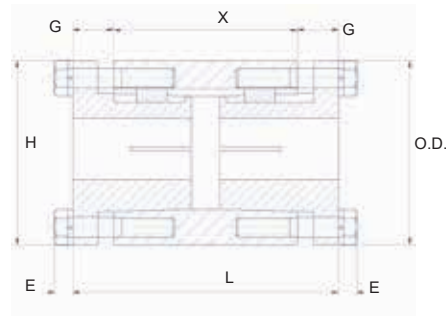
# BCS Couplings



Type BCS-SF, BCS-SK & BCS-SD



Type BCS-H



Type BCS-P1 & BCS-Q1

| Part Number | Bushing |               | Dimensions |         |       |       |       |       | T*    | Wt. Lbs. |
|-------------|---------|---------------|------------|---------|-------|-------|-------|-------|-------|----------|
|             | Size    | Bore Range    | O.D.       | L       | H     | G     | X     | E     |       |          |
| BCS-SF      | SF      | 1/2 - 2-15/16 | 4-5/8      | 6-7/16  | 4-5/8 | 7/8   | 3-3/4 | 1/2   | 11000 | 9.95     |
| BCS-SK      | SK      | 1/2 - 2-5/8   | 3-7/8      | 5-5/16  | 3-7/8 | 3/4   | 3-3/4 | 11/32 | 7000  | 6.20     |
| BCS-SD      | SD      | 1/2 - 2       | 3-1/8      | 5-5/32  | 3-1/8 | 11/16 | 3-3/4 | 1/4   | 5000  | 4.35     |
| BCS-H       | H       | 3/8 - 1-1/2   | 2-1/2      | 3       | 2-1/2 | 1/2   | 2     | 1/4   | 1700  | 1.70     |
| BCS-P1      | P1      | 1/2 - 1-3/4   | 3          | 4-11/32 | 3     | 11/16 | 3     | 3/8   | 5660  | 3.60     |
| BCS-Q1      | Q1      | 3/4 - 2-11/16 | 4-3/8      | 5-1/2   | 4-1/2 | 3/4   | 4     | 7/16  | 14600 | 9.95     |

T\*= Maximum Recommended Torque in inch pounds for Normal Service. These ratings should be reduced by 50% for Heavy Duty Service.

Note: Two Bushings will need to be ordered per coupling.

All sizes made out of **Steel**.

## JAW COUPLINGS



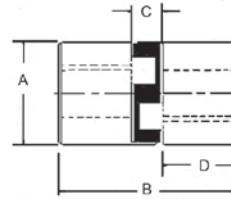
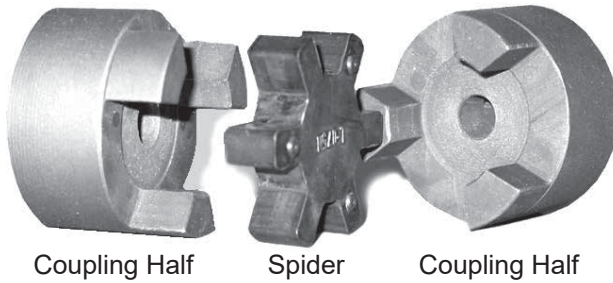
| Hub Bore inch                                | Set Screw Size | Key Way- inch |
|----------------------------------------------|----------------|---------------|
| L035 1/8, 3/16, 1/4, 5/16, 3/8 .....         | 6-32           | NONE          |
| L050 1/4, 5/16, 3/8, 7/16 .....              | 1/4-20         | NONE          |
| 1/2, 9/16 .....                              | 1/4-20         | 1/8 x 1/16    |
| 5/8 .....                                    | 1/4-20         | 3/16 x 3/32   |
| L070 1/4, 5/16, 3/8, 7/16, 1/2 .....         | 1/4-20         | NONE          |
| 7/16, 1/2, 9/16 .....                        | 1/4-20         | 1/8 x 1/16    |
| 5/8, 11/16, 3/4 .....                        | 1/4-20         | 3/16 x 3/32   |
| L075 1/4, 5/16, 3/8, 7/16, 1/2 .....         | 1/4-20         | NONE          |
| 7/16, 1/2, 9/16 .....                        | 1/4-20         | 1/8 x 1/16    |
| 5/8, 11/16, 3/4, 13/16, 7/8 .....            | 1/4-20         | 3/16 x 3/32   |
| L090 1/4, 5/16, 3/8, 7/16, 1/2 .....         | 5/16-18        | NONE          |
| 7/16, 1/2, 9/16 .....                        | 5/16-18        | 1/8 x 1/16    |
| 5/8, 11/16, 3/4, 13/16, 7/8 .....            | 5/16-18        | 3/16 x 3/32   |
| 15/16, 1, 1 1/8 .....                        | 5/16-18        | 1/4 x 1/8     |
| L095 7/16, 1/2 .....                         | 5/16-18        | NONE          |
| 1/2, 9/16 .....                              | 5/16-18        | 1/8 x 1/16    |
| 5/8, 11/16, 3/4, 13/16, 7/8, .....           | 5/16-18        | 3/16 x 3/32   |
| 15/16, 1, 1 1/16, 1 1/8 .....                | 5/16-18        | 1/4 x 1/8     |
| L099 7/16, 1/2 .....                         | 5/16-18        | NONE          |
| 7/16, 1/2, 9/16 .....                        | 5/16-18        | 1/8 x 1/16    |
| 5/8, 11/16, 3/4, 13/16, 7/8 .....            | 5/16-18        | 3/16 x 3/32   |
| 15/16, 1, 1 1/16, 1 1/8, 1 3/16 .....        | 5/16-18        | 1/4 x 1/8     |
| L100 7/16, .....                             | 5/16-18        | NONE          |
| 1/2, 9/16 .....                              | 5/16-18        | 1/8 x 1/16    |
| 5/8, 11/16, 3/4, 13/16, 7/8 .....            | 5/16-18        | 3/16 x 3/32   |
| 15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 ..... | 5/16-18        | 1/4 x 1/8     |
| 1 5/16, 1 3/8 .....                          | 5/16-18        | 5/16 x 5/32   |
| 1 7/16 .....                                 | 5/16-18        | 3/8 x 3/16    |

| Hub Bore inch                                         | Set Screw Size | Key Way- inch |
|-------------------------------------------------------|----------------|---------------|
| L110 5/8, 11/16, 3/4, 13/16, 7/8 .....                | 3/8-16         | 3/16 x 3/32   |
| 15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 .....          | 3/8-16         | 1/4 x 1/8     |
| 1 5/16, 1 3/8 .....                                   | 3/8-16         | 5/16 x 5/32   |
| 1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 3/4 .....             | 3/8-16         | 3/8 x 3/16    |
| 1 7/8 .....                                           | 3/8-16         | 1/2 x 1/4     |
| L150 1/2, .....                                       | 3/8-16         | 1/8 x 1/16    |
| 5/8, 3/4, 13/16, 7/8 .....                            | 3/8-16         | 3/16 x 3/32   |
| 15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 .....          | 3/8-16         | 1/4 x 1/8     |
| 1 5/16, 1 3/8 .....                                   | 3/8-16         | 5/16 x 5/32   |
| 1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4 ...      | 3/8-16         | 3/8 x 3/16    |
| 1 7/8 .....                                           | 3/8-16         | 1/2 x 1/4     |
| L190 1/2, .....                                       | 1/2-13         | 1/8 x 1/16    |
| 3/4, 13/16, 7/8 .....                                 | 1/2-13         | 3/16 x 3/32   |
| 15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 .....          | 1/2-13         | 1/4 x 1/8     |
| 1 5/16, 1 3/8 .....                                   | 1/2-13         | 5/16 x 5/32   |
| 1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4 ...      | 1/2-13         | 3/8 x 3/16    |
| 1 7/8, 1 15/16, 2, 2 1/16, 2 1/8 .....                | 1/2-13         | 1/2 x 1/4     |
| L225 3/4, 13/16, 7/8 .....                            | 1/2-13         | 3/16 x 3/32   |
| 15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 .....          | 1/2-13         | 1/4 x 1/8     |
| 1 5/16, 1 3/8 .....                                   | 1/2-13         | 5/16 x 5/32   |
| 1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4 ...      | 1/2-13         | 3/8 x 3/16    |
| 1 7/8, 1 15/16, 2, 2 1/16, 2 1/8, 2 3/16, 2 1/4 ..... | 1/2-13         | 1/2 x 1/4     |
| 2 3/8, 2 7/16, 2 1/2, 2 5/8 .....                     | 1/2-13         | 5/8 x 5/16    |

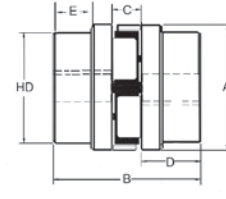
| Hub  | Bore MM        | Set Screw Size | Keway - MM |
|------|----------------|----------------|------------|
| L050 | 10, 11, 12     | 1/4-20         | NONE       |
| L070 | 11, 12         | 1/4-20         | NONE       |
|      | 14, 15, 16     | 1/4-20         | 5 x 2.3    |
|      | 19             | 1/4-20         | 6 x 2.8    |
| L075 | 12             | 1/4-20         | NONE       |
|      | 14, 15, 16     | 1/4-20         | 5 x 2.3    |
|      | 19, 20, 22     | 1/4-20         | 6 x 2.8    |
| L090 | 17             | 5/16-18        | 5 x 2.3    |
|      | 19, 20, 22     | 5/16-18        | 6 x 2.8    |
|      | 24             | 5/16-18        | 8 x 3.3    |
| L095 | 17             | 5/16-18        | 5 x 2.3    |
|      | 19, 20, 22     | 5/16-18        | 6 x 2.8    |
|      | 24, 25, 28     | 5/16-18        | 8 x 3.3    |
| L099 | 22             | 5/16-18        | 6 x 2.8    |
|      | 24, 25, 28     | 5/16-18        | 8 x 3.3    |
| L100 | 24, 25, 28, 30 | 5/16-18        | 8 x 3.3    |
|      | 35             | 5/16-18        | 10 x 3.3   |
| L110 | 24, 25, 28, 30 | 3/8-16         | 8 x 3.3    |
|      | 32, 38         | 3/8-16         | 10 x 3.3   |
|      | 42             | 3/8-16         | 12 x 3.3   |
| L150 | 32, 38         | 3/8-16         | 10 x 3.3   |
|      | 42             | 3/8-16         | 12 x 3.3   |
|      | 45, 48         | 3/8-16         | 14 x 3.8   |
| L190 | 42             | 1/2-13         | 12 x 3.3   |
|      | 55             | 1/2-13         | 16 x 4.3   |
| L225 | 48             | 1/2-13         | 14 x 3.8   |
|      | 55             | 1/2-13         | 16 x 4.3   |

Sizes L035-L095 are made of powdered metal.  
Sizes L100-L225 are made of cast iron.

**JAW COUPLINGS**



Type 1



Type 2

**Jaw Coupling - Dimensions (inches)**

|          |      | Hub Dia | Overall Length | Distance Between Flanges | Length Thru Bore |       |      | Avg. Wt. Lbs | Set Screw Thread Size | Set Screw Qty. |
|----------|------|---------|----------------|--------------------------|------------------|-------|------|--------------|-----------------------|----------------|
| Coupling | Type | A       | B              | C                        | D                | E     | HD   |              |                       |                |
| L035     | 1    | 0.625   | 0.815          | 0.281                    | 0.267            | -     | -    | 0.10         | #6-32UNCX1/8"         | 1              |
| L050     | 1    | 1.086   | 1.719          | 0.469                    | 0.625            | -     | -    | 0.29         | 1/4"-20UNCX3/16"      | 1              |
| L070     | 1    | 1.370   | 2.020          | 0.500                    | 0.760            | -     | -    | 0.56         | 1/4"-20UNCX1/4"       | 2              |
| L075     | 1    | 1.750   | 2.138          | 0.500                    | 0.819            | -     | -    | 0.95         | 1/4"-20UNCX3/8"       | 2              |
| L090     | 1    | 2.098   | 2.138          | 0.500                    | 0.819            | -     | -    | 1.45         | 1/4"-20UNCX3/8"       | 2              |
| L095     | 1    | 2.102   | 2.516          | 0.500                    | 1.008            | -     | -    | 1.70         | 5/16"-18UNCX3/8"      | 2              |
| L099     | 1    | 2.531   | 2.900          | 0.750                    | 1.075            | -     | -    | 2.50         | 5/16"-18UNCX3/8"      | 2              |
| L100     | 1    | 2.531   | 3.522          | 0.750                    | 1.386            | -     | -    | 3.40         | 5/16"-18UNCX3/8"      | 2              |
| L110     | 1    | 3.311   | 4.269          | 0.875                    | 1.697            | -     | -    | 6.40         | 3/8"-16UNCX5/16"      | 2              |
| L150     | 1    | 3.750   | 4.520          | 1.000                    | 1.760            | -     | -    | 8.90         | 3/8"-16UNCX1/2"       | 2              |
| L190     | 2    | 4.500   | 4.875          | 1.000                    | 1.938            | 1.177 | 4    | 8.75         | 1/2"-13UNCX1/2"       | 2              |
| L225     | 2    | 5.000   | 5.375          | 1.000                    | 2.188            | 1.441 | 4.25 | 12.25        | 1/2"-13UNCX1/2"       | 2              |



**Spiders - Buna-N (Rubber), Hytrel, Urethane, Bronze**

| Buna-N (Black) |     | Hytrel (White) |     | Urethane (Orange) |     | Bronze |     |
|----------------|-----|----------------|-----|-------------------|-----|--------|-----|
| Part#          | Wt. | Part#          | Wt. | Part#             | Wt. | Part#  | Wt. |
| L035N          | .01 |                |     |                   |     |        |     |
| L050N          | .01 | L050H          | .01 | L050U             | .01 | L050B  | .01 |
| L070N          | .01 | L070H          | .04 | L070U             | .01 | L070B  | .01 |
| L075N          | .01 | L075H          | .04 | L075U             | .02 | L075B  | .02 |
| L090N          | .01 | L090H          | .04 | L090U             | .02 | L090B  | .02 |
| L095N          | .01 | L095H          | .04 | L095U             | .02 | L095B  | .02 |
| L099N          | .01 | L099H          | .06 | L099U             | .02 | L099B  | .02 |
| L100N          | .01 | L100H          | .06 | L100U             | .02 | L100B  | .02 |
| L110N          | .16 | L110H          | .20 | L110U             | .20 | L110B  | .20 |
| L150N          | .30 | L150H          | .30 | L150U             | .30 | L150B  | .30 |
| L190N          | .40 | L190H          | .40 | L190U             | .40 | L190B  | .40 |
| L225N          | .40 | L225H          | .40 | L225U             | .40 | L225B  | .40 |

Note: All inserts have a closed center except Bronze inserts which have an open center.

# JAW COUPLING SELECTION

Example: A 10 HP hydraulic motor running a centrifugal pump 16 hours a day. Motor shaft is 1-3/8" and pump shaft is 1-1/2"

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Step #1: Determine the prime mover class. (See the Prime Mover Classifications chart)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Hydraulic Motors fall under class A                                                                                                                                                                        |
| Step #2: Determine the load characteristics and the service factor. (See the Load Characteristics and Service Factors chart)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Centrifugal Pumps are uniformly loaded. The prime mover class of the motor is A and the motor is running over 8 hours per day. The service factor would be 1.5.                                            |
| Step #3: Calculate Design Horsepower or Design Torque. <ul style="list-style-type: none"><li>• If Prime Mover is a 1200, 1800, or 3600 RPM motor: Design HP = Prime Mover HP x Service Factor. (See the Torque-Horsepower Ratings charts &amp; reference the corresponding motor RPM column)</li><li>• If Prime Mover is not one of the speeds above: Design HP @ 100 RPM = (Prime Mover HP x Service Factor x 100) / Coupling RPM. (See chart on pages 2-3 and reference HP @ 100 RPM column)</li><li>• If using Prime Mover Torque: Design HP = Prime Mover Torque x Service Factor. (See chart on page 2 and reference Torque column)</li></ul> | Prime Mover is an 1800 RPM motor. Design HP = 10 x 1.5 = 15. Looking at the Torque-Horsepower Ratings charts the options are: L110 with Buna insert, L095 with Hytrel insert or L110 with urethane insert. |
| Step #4: Check the Torque-Horsepower Ratings charts for max. bore of coupling.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1-1/2" shaft on the pump is too large for L095 or L100 couplings. Use L110 with Buna insert. For complete coupling order: 1 - L110-1.3/8<br>1 - L110-1.1/2 & 1- L110N                                      |



## Prime Mover Classifications

| Prime Mover                                                 | Class |
|-------------------------------------------------------------|-------|
| Electric Motors (Standard duty, Hydraulic Motors, Turbines) | A     |
| Gasoline or Steam Engines (4 or more cylinders)             | B     |
| Diesel or Gas Engines, High Torque Electric Motors          | C     |

## Load Characteristics and Service Factors

| Typical Applications                                                                                                                                                                                                                                                                                                                                                | Load           | Characteristics                                                                                                                                               | Prime Mover Class |            |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|------------|
|                                                                                                                                                                                                                                                                                                                                                                     |                |                                                                                                                                                               | A                 | B          | C          |
| Agitators (pure liquids), Blowers (centrifugal, Can and Bottle Filling Machines, Conveyors - uniformly loaded or fed (belt, chain, screw), Fans (centrifugal), Generators (uniform load), Pumps (centrifugal), Screens (air washing, water) Stokers (uniform load), Woodworking Machines (planers, routers, saws)                                                   | Uniform        | Even loads - no shock - non reversing - infrequent starts (up to 10 per day) - low starting torques<br>- Up to 8 hours per day<br>- Over 8 hours per day      | 1.0<br>1.5        | 1.5<br>2.0 | 2.0<br>2.5 |
| Beaters, Blowers (lobe, vane), Compressors (centrifugal, rotary), Conveyors - non uniformly loaded or fed (belt, bucket, chain, screw), Dredge Pumps, Fans (forced draft, propeller), Kilns, Paper Mills (calendars, converting machines, conveyors, dryers, mixers, winders), Printing Presses, Pumps (gear, rotary), Shredders, Textile Machinery (dryers, dyers) | Moderate shock | Uneven loads - moderate shock. Infrequent reversing-moderate torques<br>- Up to 8 hours per day<br>- Over 8 hours per day                                     | 1.5<br>2.0        | 2.0<br>2.5 | 2.5<br>3.0 |
| Cranes (bridge, hoist, trolley), Fans (cooling tower), Generators (welding), Hammer Mills, Mills (ball, pebble, rolling, tube, tumbling), Pumps (oil well), Wire Drawing Machines                                                                                                                                                                                   | Heavy shock    | Uneven loads - heavy shock - frequent starts and stops - high starting torques - high inertia peak loads<br>- Up to 8 hours per day<br>- Over 8 hours per day | 2.0<br>2.5        | 2.5<br>3.0 | 3.0<br>3.5 |

## Torque - Horsepower Ratings

### Couplings using Buna-N (N) Inserts

| Part No. | Max Bore | Max RPM | Torque In. Lbs. | HP per 100 RPM | HP/Speeds (RPM) |       |        |
|----------|----------|---------|-----------------|----------------|-----------------|-------|--------|
|          |          |         |                 |                | 1200            | 1800  | 3600   |
| L035     | 3/8      | 31000   | 3.5             | 0.006          | 0.07            | 0.10  | 0.20   |
| L050     | 5/8      | 18000   | 26.3            | 0.042          | 0.50            | 0.75  | 1.50   |
| L070     | 3/4      | 14000   | 43.2            | 0.069          | 0.82            | 1.23  | 2.47   |
| L075     | 7/8      | 11000   | 90.0            | 0.143          | 1.71            | 2.57  | 5.14   |
| L090     | 1        | 9000    | 144.0           | 0.228          | 2.74            | 4.11  | 8.23   |
| L095     | 1-1/8    | 9000    | 194.0           | 0.308          | 3.69            | 5.54  | 11.08  |
| L099     | 1-3/16   | 7000    | 318.0           | 0.505          | 6.05            | 9.08  | 18.16  |
| L100     | 1-7/16   | 7000    | 417.0           | 0.662          | 7.94            | 11.91 | 23.82  |
| L110     | 1-7/8    | 5000    | 792.0           | 1.257          | 15.08           | 22.62 | 45.24  |
| L150     | 1-7/8    | 5000    | 1240.0          | 1.967          | 23.61           | 35.41 | 70.83  |
| L190     | 2-1/8    | 5000    | 1726.0          | 2.739          | 32.86           | 49.29 | 98.59  |
| L225     | 2-5/8    | 4600    | 2340.0          | 3.713          | 44.55           | 66.83 | 133.66 |

### Couplings using Hytrel (H) Inserts

| Part No. | Max Bore | Max RPM | Torque In. Lbs. | HP per 100 RPM | HP/Speeds (RPM) |        |        |
|----------|----------|---------|-----------------|----------------|-----------------|--------|--------|
|          |          |         |                 |                | 1200            | 1800   | 3600   |
| L035     | 3/8      | 31000   | -               | -              | -               | -      | -      |
| L050     | 5/8      | 18000   | 50.0            | 0.079          | 0.95            | 1.43   | 2.86   |
| L070     | 3/4      | 14000   | 114             | 0.181          | 2.17            | 3.26   | 6.51   |
| L075     | 7/8      | 11000   | 227             | 0.360          | 4.32            | 6.48   | 12.97  |
| L090     | 1        | 9000    | 401             | 0.636          | 7.64            | 11.45  | 22.91  |
| L095     | 1-1/8    | 9000    | 561             | 0.890          | 10.68           | 16.02  | 32.04  |
| L099     | 1-3/16   | 7000    | 792             | 1.257          | 15.08           | 22.62  | 45.24  |
| L100     | 1-7/16   | 7000    | 1134            | 1.799          | 21.59           | 32.39  | 64.77  |
| L110     | 1-7/8    | 5000    | 2268            | 3.599          | 43.18           | 64.77  | 129.55 |
| L150     | 1-7/8    | 5000    | 3708            | 5.883          | 70.60           | 105.90 | 211.80 |
| L190     | 2-1/8    | 5000    | 4680            | 7.426          | 89.11           | 133.66 | 267.32 |
| L225     | 2-5/8    | 4600    | 6228            | 9.882          | 118.58          | 177.87 | 355.74 |

### Couplings using Urethane (U) Inserts

| Part No. | Max Bore | Max RPM | Torque In. Lbs. | HP per 100 RPM | HP/Speeds (RPM) |        |        |
|----------|----------|---------|-----------------|----------------|-----------------|--------|--------|
|          |          |         |                 |                | 1200            | 1800   | 3600   |
| L035     | 3/8      | 31000   | -               | -              | -               | -      | -      |
| L050     | 5/8      | 18000   | 39.4            | 0.063          | 0.75            | 1.12   | 2.25   |
| L070     | 3/4      | 14000   | 64.8            | 0.103          | 1.23            | 1.84   | 3.70   |
| L075     | 7/8      | 11000   | 135             | 0.214          | 2.56            | 3.85   | 7.71   |
| L090     | 1        | 9000    | 216             | 0.342          | 4.11            | 6.16   | 12.34  |
| L095     | 1-1/8    | 9000    | 294             | 0.462          | 5.53            | 8.31   | 16.62  |
| L099     | 1-3/16   | 7000    | 477             | 0.757          | 9.07            | 13.62  | 27.24  |
| L100     | 1-7/16   | 7000    | 626             | 0.993          | 11.91           | 17.86  | 35.73  |
| L110     | 1-7/8    | 5000    | 1188            | 1.885          | 22.62           | 33.93  | 67.86  |
| L150     | 1-7/8    | 5000    | 1860            | 2.950          | 35.41           | 53.11  | 106.24 |
| L190     | 2-1/8    | 5000    | 2589            | 4.108          | 49.29           | 73.93  | 147.88 |
| L225     | 2-5/8    | 4600    | 3510            | 5.569          | 66.82           | 100.24 | 200.49 |

# Torque - Horsepower Ratings

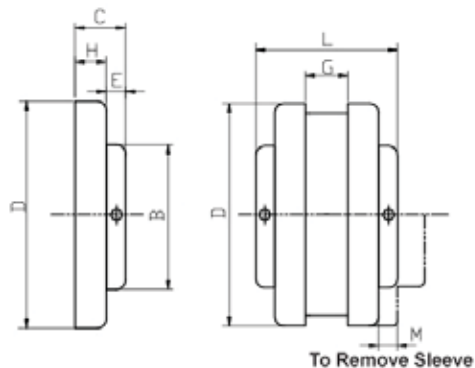
## Couplings using Bronze (B) Inserts

| Part No. | Max Bore | Max RPM | Torque In. Lbs. | HP per 100 RPM | HP/Speeds (RPM) |        |        |
|----------|----------|---------|-----------------|----------------|-----------------|--------|--------|
|          |          |         |                 |                | 1200            | 1800   | 3600   |
| L035     | 3/8      | 250     | -               | -              | -               | -      | -      |
| L050     | 5/8      | 250     | 50.0            | 0.079          | 0.95            | 1.43   | 2.86   |
| L070     | 3/4      | 250     | 114             | 0.181          | 2.17            | 3.26   | 6.51   |
| L075     | 7/8      | 250     | 227             | 0.360          | 4.32            | 6.48   | 12.97  |
| L090     | 1        | 250     | 401             | 0.636          | 7.64            | 11.45  | 22.91  |
| L095     | 1-1/8    | 250     | 561             | 0.890          | 10.68           | 16.02  | 32.04  |
| L099     | 1-3/16   | 250     | 792             | 1.257          | 15.08           | 22.62  | 45.24  |
| L100     | 1-7/16   | 250     | 1134            | 1.799          | 21.59           | 32.39  | 64.77  |
| L110     | 1-7/8    | 250     | 2268            | 3.599          | 43.18           | 64.77  | 129.55 |
| L150     | 1-7/8    | 250     | 3708            | 5.883          | 70.60           | 105.90 | 211.80 |
| L190     | 2-1/8    | 250     | 4680            | 7.426          | 89.11           | 133.66 | 267.32 |
| L225     | 2-5/8    | 250     | 6228            | 9.882          | 118.58          | 177.87 | 355.74 |

## Insert Characteristics

| Properties                      | Buna-N (N)                           | Urethane (U)              | Hytrel (H)                 | Bronze (B)                 |
|---------------------------------|--------------------------------------|---------------------------|----------------------------|----------------------------|
| Oil Resistance                  | Good                                 | Good                      | Excellent                  | Excellent                  |
| Chemical Resistance             | Poor                                 | Good                      | Excellent                  | Excellent                  |
| Flexibility                     | Excellent                            | Good                      | Fair                       | Poor                       |
| Temperature Range               | F<br>-40 to +212<br>C<br>-40 to +100 | -30 to +160<br>-34 to +71 | -60 to +250<br>-51 to +121 | -40 to +450<br>-40 to +232 |
| Torsional Stiffness             | Full Soft                            | Medium Soft               | Hard                       | Hard                       |
| Average Hardness (Shore Number) | 80A                                  | 90A                       | 55D                        | —                          |
| Max. Misalignment               |                                      |                           |                            |                            |
| • Angular                       | 1°                                   | 1°                        | 1/2°                       | 1/2°                       |
| • Parallel                      | 0.15"                                | 0.15"                     | 0.15"                      | 0.10"                      |

## MD Flex Couplings Type J



| Flange Size | Dimensions (Inches) |        |       |     |         |        |       |        | Set Screw Thread Size | Set Screw Qty. | Wt. (lbs.) |
|-------------|---------------------|--------|-------|-----|---------|--------|-------|--------|-----------------------|----------------|------------|
|             | D                   | C      | E     | G   | B       | L      | H     | M      |                       |                |            |
| 3J          | 2.063               | 13/16  | 7/16  | 3/8 | 1 1/2   | 2      | 3/8   | 9/16   | 1/4-20 UNC X 1/4"     | 2              | 0.3        |
| 4J          | 2.461               | 7/8    | 7/16  | 5/8 | 1 5/8   | 2 3/8  | 7/16  | 3/4    | 1/4-20 UNC X 1/4"     | 2              | 0.4        |
| 5J          | 3.252               | 1 1/16 | 15/32 | 3/4 | 1 7/8   | 2 7/8  | 19/32 | 31/32  | 1/4-20 UNC X 1/4"     | 2              | 0.9        |
| 6J          | 4.000               | 1 7/32 | 19/32 | 7/8 | 1 15/16 | 3 5/16 | 5/8   | 1 3/32 | 5/16-18 UNC X 1/4"    | 2              | 1.2        |

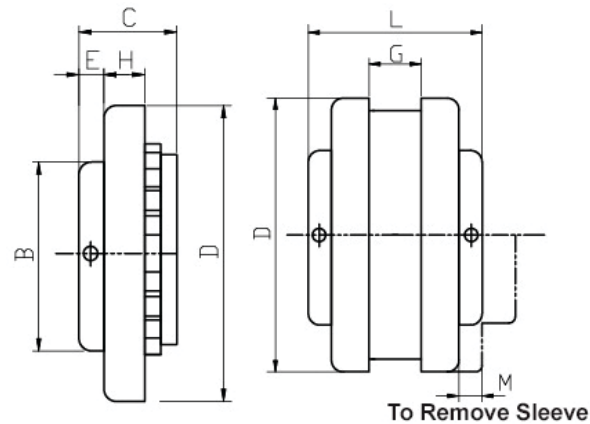
| Flange Size | Bore Range-inch                | Keyseat-inch |
|-------------|--------------------------------|--------------|
| 3J          | 3/8                            | No Key       |
|             | 1/2                            | 1/8 x 1/16   |
|             | 5/8, 3/4, 7/8                  | 3/16 x 3/32  |
| 4J          | 1/2                            | 1/8 x 1/16   |
|             | 5/8, 3/4, 7/8                  | 3/16 x 3/32  |
|             | 15/16, 1                       | 1/4 x 1/8    |
| 5J          | 1/2                            | 1/8 x 1/16   |
|             | 5/8, 3/4, 7/8                  | 3/16 x 3/32  |
|             | 15/16, 1, 1 1/8                | 1/4 x 1/8    |
| 6J          | 5/8, 3/4, 7/8                  | 3/16 x 3/32  |
|             | 15/16, 1, 1 1/8, 1 3/16, 1 1/4 | 1/4 x 1/8    |
|             | 1 3/8                          | 5/16 x 5/32  |

| Flange Size | Bore Range-mm | Keyseat-mm |
|-------------|---------------|------------|
| 3J          | 11, 12        | No Key     |
|             | 14, 15, 16    | 5 x 2.3    |
|             | 19            | 6 x 2.8    |
| 4J          | 14, 15, 16    | 5 x 2.3    |
|             | 19, 20        | 6 x 2.8    |
|             | 24, 25        | 8 x 3.3    |

Material: 3J-5J Powdered Metal, 6J Cast Iron

We do not recommend reboring the 3J & 4J flanges.

## MD Flex Couplings Type S



| Flange Size | Type | Dimensions (Inches) |         |        |         |         |         |         |         | Set Screw Thread Size | Set Screw Qty. | Wt. (lbs.) |
|-------------|------|---------------------|---------|--------|---------|---------|---------|---------|---------|-----------------------|----------------|------------|
|             |      | D                   | C       | E      | G       | B       | L       | H       | M       |                       |                |            |
| 5S          | -    | 3.252               | 1 11/32 | 29/64  | 3/4     | 1 7/8   | 2 27/32 | 19/32   | 31/32   | 5/16-18 UNC X 1/4"    | 2              | 1.1        |
| 6S          | 1    | 4.000               | 1 5/8   | 9/16   | 7/8     | 2 1/2   | 3 9/16  | 25/32   | 1 3/32  | 5/16-18 UNC X 1/4"    | 2              | 1.9        |
|             | 2    | 4.000               | 1 5/16  | 9/16   | 7/8     | 2 1/2   | 3 9/16  | 25/32   | 1 3/32  | 5/16-18 UNC X 1/4"    | 2              | 1.8        |
|             | 3    | 4.000               | 1 9/16  | 25/32  | 7/8     | 2 13/16 | 4 1/16  | 25/32   | 1 3/32  | 5/16-18 UNC X 1/4"    | 2              | 1.8        |
| 7S          | -    | 4.625               | 1 27/32 | 11/16  | 1       | 2 13/16 | 3 15/16 | 25/32   | 1 5/16  | 5/16-18 UNC X 1/4"    | 2              | 2.6        |
| 8S          | 1    | 5.449               | 2 3/32  | 3/4    | 1 1/8   | 3 1/4   | 4 7/16  | 29/32   | 1 1/2   | 3/8-16 UNC X 3/8"     | 2              | 4.4        |
|             | 2    | 5.449               | 1 15/16 | 1 1/32 | 1 1/8   | 3 1/4   | 5       | 29/32   | 1 1/2   | 3/8-16 UNC X 3/8"     | 2              | 3.7        |
| 9S          | 1    | 6.350               | 2 13/32 | 25/32  | 1 7/16  | 3 5/8   | 5 1/16  | 1 1/32  | 1 3/4   | 3/8-16 UNC X 3/8"     | 2              | 6.8        |
|             | 2    | 6.350               | 2 9/32  | 1 1/4  | 1 7/16  | 4 1/8   | 6       | 1 1/32  | 1 3/4   | 3/8-16 UNC X 3/8"     | 2              | 6.2        |
| 10S         | -    | 7.500               | 2 23/32 | 13/16  | 1 5/8   | 4 3/8   | 5 11/16 | 1 7/32  | 2       | 3/8-16 UNC X 3/8"     | 2              | 10.5       |
| 11S         | 1    | 8.625               | 3 7/16  | 1 1/8  | 1 7/8   | 5 1/4   | 7 1/8   | 1 1/2   | 2 3/8   | 3/8-16 UNC X 3/8"     | 2              | 16.6       |
|             | 2    | 8.625               | 3 1/16  | 1 9/16 | 1 7/8   | 5 5/8   | 8       | 1 1/2   | 2 3/8   | 3/8-16 UNC X 3/8"     | 2              | 16.4       |
| 12S         | -    | 10.000              | 4       | 1 9/32 | 2 5/16  | 5 3/4   | 8 1/4   | 1 11/16 | 2 11/16 | 3/8-16 UNC X 3/8"     | 2              | 26.6       |
| 13S         | -    | 11.750              | 4 3/8   | 1 5/16 | 2 11/16 | 6 3/4   | 9 1/4   | 1 31/32 | 3 1/16  | 1/2-13 UNC X 1/2"     | 2              | 45.2       |
| 14S         | -    | 13.875              | 4 1/2   | 1 1/16 | 3 1/4   | 7 1/2   | 9 7/8   | 2 1/4   | 3 1/2   | 1/2-13 UNC X 1/2"     | 2              | 69.1       |

Material: 5S Powdered Metal, 6S-14S Cast Iron



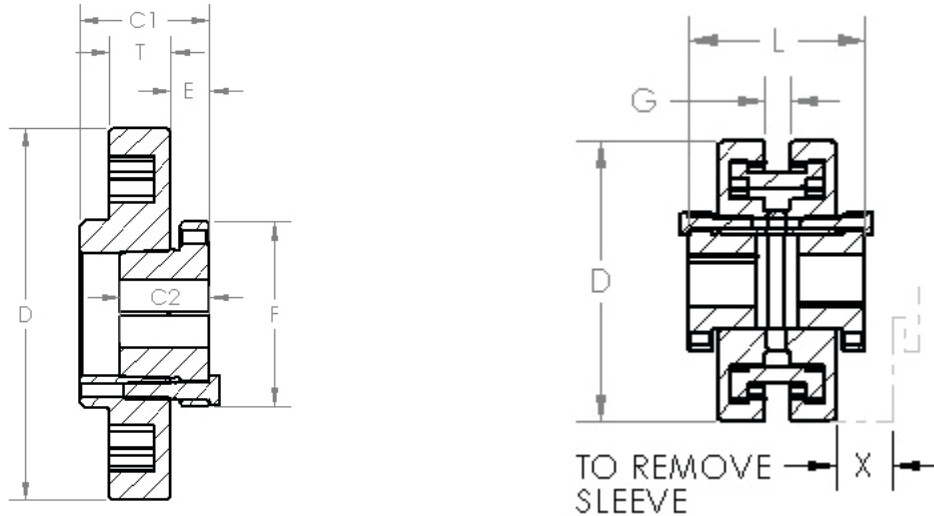
| Flange Size | Bore Range-inch                                          | Keyseat-inch |
|-------------|----------------------------------------------------------|--------------|
| <b>5S</b>   | 5/8, 3/4, 13/16, 7/8                                     | 3/16 x 3/32  |
|             | 15/16, 1, 1 1/16, 1 1/8, 1 3/16                          | 1/4 x 1/8    |
|             | 1 1/4                                                    | 1/4 x 1/16*  |
| <b>6S</b>   | 3/4, 7/8                                                 | 3/16 x 3/32  |
|             | 15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 (Type 1)          | 1/4 x 1/8    |
|             | 1 5/16, 1 3/8 (Type 1)                                   | 5/16 x 5/32  |
|             | 1 7/16 (Type 1)                                          | 3/8 x 3/16   |
|             | 1 1/2 (Type 1)                                           | 3/8 x 1/8*   |
|             | 1 5/8 (Type 2)                                           | 3/8 x 1/8*   |
|             | 1 3/4 (Type 2)                                           | 3/8 x 1/16*  |
| <b>7S</b>   | 1 7/8 (Type 3)                                           | 1/2 x 1/16*  |
|             | 3/4, 7/8                                                 | 3/16 x 3/32  |
|             | 15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4                   | 1/4 x 1/8    |
|             | 1 5/16, 1 3/8                                            | 5/16 x 5/32  |
|             | 1 7/16, 1 1/2, 1 5/8                                     | 3/8 x 3/16   |
| <b>8S</b>   | 1 7/8                                                    | 1/2 x 1/8*   |
|             | 7/8 (Type 1)                                             | 3/16 x 3/32  |
|             | 15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4 (Type 1)          | 1/4 x 1/8    |
|             | 1 5/16, 1 3/8 (Type 1)                                   | 5/16 x 5/32  |
|             | 1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4 (Type 1)    | 3/8 x 3/16   |
|             | 1 7/8, 1 15/16, 2, 2 1/16, 2 1/8 (Type 1)                | 1/2 x 1/4    |
|             | 2 1/8 (Type 1)                                           | 1/2 x 3/16*  |
| <b>9S</b>   | 2 3/8 (Type 2)                                           | 5/8 x 1/8*   |
|             | 15/16, 1, 1 1/16, 1 1/8, 1 1/4 (Type 1)                  | 1/4 x 1/8    |
|             | 1 3/8 (Type 1)                                           | 5/16 x 5/32  |
|             | 1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4 (Type 1)    | 3/8 x 3/16   |
|             | 1 7/8, 1 15/16, 2, 2 1/16, 2 1/8, 2 3/16, 2 1/4 (Type 1) | 1/2 x 1/4    |
|             | 2 3/8, 2 1/2 (Type 1)                                    | 5/8 x 5/32   |
| <b>10S</b>  | 2 7/8 (Type 2)                                           | 3/4 x 1/4*   |

| Flange Size | Bore Range-inch                                 | Keyseat-inch |
|-------------|-------------------------------------------------|--------------|
| <b>10S</b>  | 1 1/8, 1 1/4                                    | 1/4 x 1/8    |
|             | 1 3/8                                           | 5/16 x 5/32  |
|             | 1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4    | 3/8 x 3/16   |
|             | 1 7/8, 1 15/16, 2, 2 1/16, 2 1/8, 2 3/16, 2 1/4 | 1/2 x 1/4    |
|             | 2 3/8, 2 7/16, 2 1/2, 2 5/8, 2 3/4              | 5/8 x 5/16   |
|             | 2 7/8, 3                                        | 3/4 x 1/4*   |
| <b>11S</b>  | 1 1/4 (Type 1)                                  | 1/4 x 1/8    |
|             | 1 3/8 (Type 1)                                  | 5/16 x 5/32  |
|             | 1 7/16, 1 1/2, 1 5/8, 1 3/4 (Type 1)            | 3/8 x 3/16   |
|             | 1 7/8, 2, 2 1/16, 2 1/8, 2 1/4 (Type 1)         | 1/2 x 1/4    |
|             | 2 3/8, 2 5/8, 2 3/4 (Type 1)                    | 5/8 x 5/16   |
|             | 2 7/8, 3 (Type 1)                               | 3/4 x 3/8    |
|             | 3 3/8 (Type 1)                                  | 7/8 x 7/16   |
|             | 3 7/16 (Type 1)                                 | 7/8 x 3/16*  |
| <b>12S</b>  | 3 7/8 (Type 2)                                  | 1 x 1/4*     |
|             | 1 5/8, 1 3/4                                    | 3/8 x 3/16   |
|             | 1 7/8, 2 1/16, 2 1/8                            | 1/2 x 1/4    |
|             | 2 3/8, 2 5/8, 2 3/4                             | 5/8 x 5/16   |
|             | 2 7/8                                           | 3/4 x 3/8    |
|             | 3 3/8, 3 7/16, 3 5/8                            | 7/8 x 7/16   |
| <b>13S</b>  | 3 7/8                                           | 1 x 1/2      |
|             | 2 1/8                                           | 1/2 x 1/4    |
|             | 2 3/8                                           | 5/8 x 5/16   |
|             | 2 7/8                                           | 3/4 x 3/8    |
| <b>14S</b>  | 3 3/8, 3 7/16                                   | 7/8 x 7/16   |
|             | 3 15/16                                         | 1 x 1/2      |

\* Shallow Keyseat - Keystock supplied with coupling hub

| Flange Size | Bore Range-mm  | Keyseat-mm |
|-------------|----------------|------------|
| <b>5S</b>   | 14, 15, 16     | 5 x 2.3    |
|             | 19, 20         | 6 x 2.8    |
|             | 24, 25, 28     | 8 x 3.3    |
| <b>6S</b>   | 15             | 5 x 2.3    |
|             | 19, 20         | 6 x 2.8    |
|             | 24, 25, 28, 30 | 8 x 3.3    |
|             | 32, 35, 38     | 10 x 3.3   |
| <b>7S</b>   | 19             | 6 x 2.8    |
|             | 24, 25, 28, 30 | 8 x 3.3    |
|             | 32, 35, 38     | 10 x 3.3   |
|             | 42             | 12 x 3.3   |
| <b>8S</b>   | 24, 28, 30     | 8 x 3.3    |
|             | 32, 38         | 10 x 3.3   |
|             | 42             | 12 x 3.3   |
|             | 45, 48         | 14 x 3.8   |
| <b>9S</b>   | 24, 30         | 8 x 3.3    |
|             | 32, 38         | 10 x 3.3   |
|             | 42             | 12 x 3.3   |
|             | 45, 48         | 14 x 3.8   |
| <b>10S</b>  | 30             | 8 x 3.3    |
|             | 32, 35, 38     | 10 x 3.3   |
|             | 42             | 12 x 3.3   |
|             | 45, 48, 50     | 14 x 3.8   |
|             | 55             | 16 x 4.3   |
|             | 60, 65         | 18 x 4.4   |
| <b>11S</b>  | 38             | 10 x 3.3   |
|             | 42             | 12 x 3.3   |
|             | 45, 48         | 14 x 3.8   |
|             | 52             | 16 x 4.3   |
|             | 60             | 18 x 4.4   |
|             | 70             | 20 x 4.9   |
|             | 80             | 22 x 5.4   |
| <b>12S</b>  | 50             | 14 x 3.8   |
|             | 60, 65         | 18 x 4.4   |
|             | 70             | 20 x 4.9   |
|             | 80             | 22 x 5.4   |
|             | 90             | 25 x 5.4   |

## MD Flex Couplings Type B



| Size | Bushing Required | Dimensions |         |        |        |         |         |        |         |         | Max Bore* | Wt. (lbs.) |
|------|------------------|------------|---------|--------|--------|---------|---------|--------|---------|---------|-----------|------------|
|      |                  | C1         | C2      | D      | E      | F       | G       | L      | T       | X       |           |            |
| 6B   | JA               | 1 7/16     | 1       | 4.000  | 15/32  | 2       | 7/8     | 3 3/8  | 25/32   | 1 3/32  | 1 1/4     | 1.4        |
| 7B   | JA               | 1 5/8      | 1       | 4.625  | 15/32  | 2       | 1       | 3 1/2  | 25/32   | 1 5/16  | 1 1/4     | 1.9        |
| 8B   | SH               | 1 29/32    | 1 1/4   | 5.450  | 9/16   | 2 11/16 | 1 1/8   | 4 1/16 | 29/32   | 1 1/2   | 1 5/8     | 2.9        |
| 9B   | SD               | 2 1/4      | 1 13/16 | 6.350  | 5/8    | 3 3/16  | 1 7/16  | 4 3/4  | 1 1/32  | 1 3/4   | 1 15/16   | 4.8        |
| 10B  | SK               | 1 15/16    | 1 7/8   | 7.500  | 23/32  | 3 7/8   | 1 5/8   | 5 1/2  | 1 7/32  | 2       | 2 1/2     | 7.8        |
| 11B  | SF               | 2 3/16     | 2       | 8.625  | 11/16  | 4 5/8   | 1 7/8   | 6 1/4  | 1 1/2   | 2 3/8   | 2 15/16   | 12.0       |
| 12B  | E                | 2 23/32    | 2 5/8   | 10.000 | 29/32  | 6       | 2 5/16  | 7 1/2  | 1 11/16 | 2 11/16 | 3 1/2     | 18.0       |
| 13B  | F                | 3 3/4      | 3 5/8   | 11.750 | 1 1/16 | 6 5/8   | 2 11/16 | 8 3/4  | 1 31/32 | 3       | 3 15/16   | 31.2       |
| 14B  | F                | 3 3/4      | 3 5/8   | 13.875 | 1 1/16 | 6 5/8   | 3 1/4   | 9 7/8  | 2 1/4   | 3 1/2   | 3 15/16   | 51.4       |

\* Maximum bore with keyseat.

## Element Characteristics

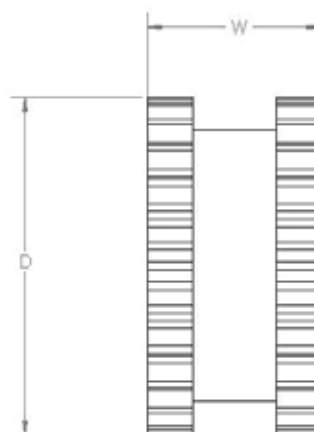
| Shapes Available | EPDM            | Neoprene                | Hytrel          |
|------------------|-----------------|-------------------------|-----------------|
| 1pc, unsplit     | JE              | JN                      | H               |
| 1pc, split       | JES             | JNS                     | -               |
| 2pcs             | E               | N                       | HS              |
| Typical Use      | General Purpose | Oil Resist<br>Non-flame | General Purpose |
| Rel. Rating      | 1X              | 1X                      | 4X              |
| Wind-Up Angular  | 15°             | 15°                     | 7°              |
| Misalignment     | 1°              | 1°                      | 1/4°            |
| Temperature (F)  |                 |                         |                 |
| maximum          | +272°           | +200°                   | +250°           |
| minimum          | -30°            | -0°                     | -65°            |

## EPDM Elements

### Dimensions

| Part# | Coupling Size | D (Inches) | W (Inches) | Wt. (lbs.) |
|-------|---------------|------------|------------|------------|
| 3JE   | 3             | 1 7/8      | 1          | 0.06       |
| 3JES  | 3             | 1 7/8      | 1          | 0.06       |
| 4JE   | 4             | 2 5/16     | 1 1/4      | 0.10       |
| 4JES  | 4             | 2 5/16     | 1 1/4      | 0.10       |
| 4E    | 4             | 2 5/16     | 1 1/4      | 0.10       |
| 5JE   | 5             | 2 15/16    | 1 9/16     | 0.20       |
| 5JES  | 5             | 2 15/16    | 1 9/16     | 0.20       |
| 5E    | 5             | 2 15/16    | 1 9/16     | 0.20       |
| 6JE   | 6             | 3 3/4      | 1 7/8      | 0.40       |
| 6JES  | 6             | 3 3/4      | 1 7/8      | 0.40       |
| 6E    | 6             | 3 3/4      | 1 7/8      | 0.40       |
| 7JE   | 7             | 4 11/32    | 2 3/16     | 0.62       |
| 7JES  | 7             | 4 11/32    | 2 3/16     | 0.62       |
| 7E    | 7             | 4 11/32    | 2 3/16     | 0.62       |
| 8JE   | 8             | 5 1/16     | 2 1/2      | 1.13       |
| 8JES  | 8             | 5 1/16     | 2 1/2      | 1.13       |
| 8E    | 8             | 5 1/16     | 2 1/2      | 1.13       |
| 9JE   | 9             | 6          | 3          | 1.46       |
| 9JES  | 9             | 6          | 3          | 1.46       |
| 9E    | 9             | 6          | 3          | 1.46       |

| Part# | Coupling Size | D (Inches) | W (Inches) | Wt. (lbs.) |
|-------|---------------|------------|------------|------------|
| 10JE  | 10            | 7 1/16     | 3 7/16     | 2.32       |
| 10JES | 10            | 7 1/16     | 3 7/16     | 2.32       |
| 10E   | 10            | 7 1/16     | 3 7/16     | 2.32       |
| 11E   | 11            | 8 3/16     | 4          | 5.10       |
| 12E   | 12            | 9 9/16     | 4 11/16    | 8.10       |
| 13E   | 13            | 11 3/16    | 5 1/2      | 13.00      |
| 14E   | 14            | 13 3/32    | 6 1/2      | 21.10      |



## Coupling Ratings & Misalignment

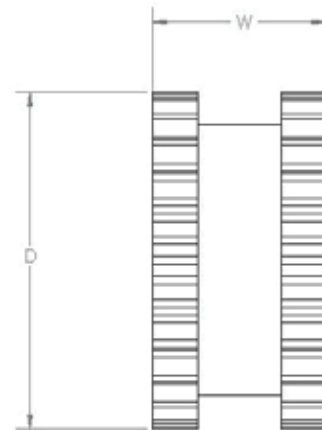
| Flange Size | EPDM Sleeves | Max. RPM | HP Per 100 RPM |       |      |      |       | Torque (in. lbs.) | Stiffness (in. lbs./rad) | Allow. Misalignment (inches) |         |
|-------------|--------------|----------|----------------|-------|------|------|-------|-------------------|--------------------------|------------------------------|---------|
|             |              |          | Service Factor |       |      |      |       |                   |                          | Parallel                     | Angular |
|             |              |          | 1.0            | 1.5   | 2.0  | 2.5  | 3.0   |                   |                          |                              |         |
| 3           | JE, JES      | 9200     | 0.1            | 0.07  | 0.05 | 0.04 | 0.03  | 60                | 229                      | 0.010                        | 0.035   |
| 4           | E, JE, JES   | 7600     | 0.2            | 0.13  | 0.1  | 0.08 | 0.07  | 120               | 458                      | 0.010                        | 0.043   |
| 5           | E, JE, JES   | 7600     | 0.5            | 0.33  | 0.25 | 0.2  | 0.17  | 240               | 916                      | 0.015                        | 0.056   |
| 6           | E, JE, JES   | 6000     | 0.9            | 0.6   | 0.45 | 0.36 | 0.3   | 450               | 1718                     | 0.015                        | 0.070   |
| 7           | E, JE, JES   | 5250     | 1.5            | 1     | 0.75 | 0.6  | 0.5   | 725               | 2769                     | 0.020                        | 0.081   |
| 8           | E, JE, JES   | 4500     | 2.3            | 1.53  | 1.15 | 0.92 | 0.77  | 1135              | 4335                     | 0.020                        | 0.094   |
| 9           | E, JE, JES   | 3750     | 3.7            | 2.47  | 1.85 | 1.48 | 1.23  | 1800              | 6875                     | 0.025                        | 0.109   |
| 10          | E, JE, JES   | 3600     | 5.9            | 3.93  | 2.95 | 2.36 | 1.97  | 2875              | 10980                    | 0.025                        | 0.128   |
| 11          | E            | 3600     | 9.3            | 6.2   | 4.65 | 3.72 | 3.1   | 5890              | 17300                    | 0.032                        | 0.151   |
| 12          | E            | 2800     | 15             | 10    | 7.5  | 6    | 5     | 9360              | 27500                    | 0.032                        | 0.175   |
| 13          | E            | 2400     | 23             | 15.33 | 11.5 | 9.2  | 7.67  | 14750             | 43350                    | 0.040                        | 0.195   |
| 14          | E            | 2200     | 37             | 24.67 | 18.5 | 14.8 | 12.33 | 23400             | 68755                    | 0.045                        | 0.242   |



## Neoprene Elements

### Dimensions

| Part# | Coupling Size | D (Inches) | W (Inches) | Wt. (lbs.) |
|-------|---------------|------------|------------|------------|
| 3JN   | 3             | 1 7/8      | 1          | 0.06       |
| 3JNS  | 3             | 1 7/8      | 1          | 0.06       |
| 4JN   | 4             | 2 5/16     | 1 1/4      | 0.10       |
| 4JNS  | 4             | 2 5/16     | 1 1/4      | 0.10       |
| 4N    | 4             | 2 5/16     | 1 1/4      | 0.10       |
| 5JN   | 5             | 2 15/16    | 1 9/16     | 0.20       |
| 5JNS  | 5             | 2 15/16    | 1 9/16     | 0.20       |
| 5N    | 5             | 2 15/16    | 1 9/16     | 0.20       |
| 6JN   | 6             | 3 3/4      | 1 7/8      | 0.40       |
| 6JNS  | 6             | 3 3/4      | 1 7/8      | 0.40       |
| 6N    | 6             | 3 3/4      | 1 7/8      | 0.40       |
| 7JN   | 7             | 4 11/32    | 2 3/16     | 0.62       |
| 7JNS  | 7             | 4 11/32    | 2 3/16     | 0.62       |
| 7N    | 7             | 4 11/32    | 2 3/16     | 0.62       |
| 8JN   | 8             | 5 1/16     | 2 1/2      | 1.13       |
| 8JNS  | 8             | 5 1/16     | 2 1/2      | 1.13       |
| 8N    | 8             | 5 1/16     | 2 1/2      | 1.13       |
| 9N    | 9             | 6          | 3          | 1.46       |
| 10N   | 10            | 7 1/16     | 3 7/16     | 2.32       |
| 11N   | 11            | 8 3/16     | 4          | 5.10       |
| 12N   | 12            | 9 9/16     | 4 11/16    | 8.10       |
| 13N   | 13            | 11 3/16    | 5 1/2      | 13.00      |
| 14N   | 14            | 13 3/32    | 6 1/2      | 21.10      |



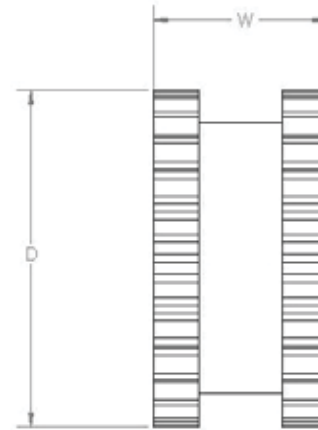
### Coupling Ratings & Misalignment

| Flange Size | Neoprene Sleeves | Max. RPM | HP Per 100 RPM |       |      |      |       | Torque (in. lbs.) | Stiffness (in. lbs./ rad) | Allow. Misalignment (inches) |         |
|-------------|------------------|----------|----------------|-------|------|------|-------|-------------------|---------------------------|------------------------------|---------|
|             |                  |          | Service Factor |       |      |      |       |                   |                           | Parallel                     | Angular |
|             |                  |          | 1.0            | 1.5   | 2.0  | 2.5  | 3.0   |                   |                           |                              |         |
| 3           | JN, JNS          | 9200     | 0.1            | 0.07  | 0.05 | 0.04 | 0.03  | 60                | 229                       | 0.010                        | 0.035   |
| 4           | N, JN, JNS       | 7600     | 0.2            | 0.13  | 0.1  | 0.08 | 0.07  | 120               | 458                       | 0.010                        | 0.043   |
| 5           | N, JN, JNS       | 7600     | 0.4            | 0.27  | 0.2  | 0.16 | 0.13  | 240               | 916                       | 0.015                        | 0.056   |
| 6           | N, JN, JNS       | 6000     | 0.7            | 0.47  | 0.35 | 0.28 | 0.23  | 450               | 1718                      | 0.015                        | 0.070   |
| 7           | N, JN, JNS       | 5250     | 1.2            | 0.8   | 0.6  | 0.48 | 0.4   | 725               | 2769                      | 0.020                        | 0.081   |
| 8           | N, JN, JNS       | 4500     | 1.8            | 1.2   | 0.9  | 0.72 | 0.6   | 1135              | 4335                      | 0.020                        | 0.094   |
| 9           | N                | 3750     | 3.7            | 2.47  | 1.85 | 1.48 | 1.23  | 2340              | 6875                      | 0.017                        | 0.028   |
| 10          | N                | 3600     | 5.9            | 3.93  | 2.95 | 2.36 | 1.97  | 3735              | 10980                     | 0.020                        | 0.032   |
| 11          | N                | 3600     | 9.3            | 6.2   | 4.65 | 3.72 | 3.1   | 5890              | 17300                     | 0.022                        | 0.037   |
| 12          | N                | 2800     | 15             | 10    | 7.5  | 6    | 5     | 9360              | 27500                     | 0.025                        | 0.042   |
| 13          | N                | 2400     | 23             | 15.33 | 11.5 | 9.2  | 7.67  | 14750             | 43350                     | 0.030                        | 0.050   |
| 14          | N                | 2200     | 37             | 24.67 | 18.5 | 14.8 | 12.33 | 23400             | 68755                     | 0.035                        | 0.060   |

## Hytre Elements

### Dimensions

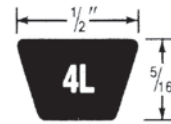
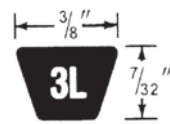
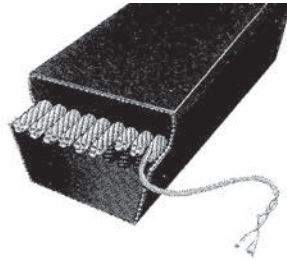
| Part# | Coupling Size | D (Inches) | W (Inches) | Wt. (lbs.) |
|-------|---------------|------------|------------|------------|
| 6H    | 6             | 3 3/4      | 1 7/8      | 0.44       |
| 6HS   | 6             | 3 3/4      | 1 7/8      | 0.44       |
| 7H    | 7             | 4 11/32    | 2 3/16     | 0.69       |
| 7HS   | 7             | 4 11/32    | 2 3/16     | 0.69       |
| 8H    | 8             | 5 1/16     | 2 1/2      | 1.40       |
| 8HS   | 8             | 5 1/16     | 2 1/2      | 1.40       |
| 9H    | 9             | 6          | 3          | 1.80       |
| 9HS   | 9             | 6          | 3          | 1.80       |
| 10H   | 10            | 7 1/16     | 3 7/16     | 2.90       |
| 10HS  | 10            | 7 1/16     | 3 7/16     | 2.90       |
| 11H   | 11            | 8 3/16     | 4          | 4.50       |
| 11HS  | 11            | 8 3/16     | 4          | 4.50       |
| 12H   | 12            | 9 9/16     | 4 11/16    | 7.30       |
| 12HS  | 12            | 9 9/16     | 4 11/16    | 7.30       |
| 13HS  | 13            | 11 3/16    | 5 1/2      | 11.80      |
| 14HS  | 14            | 13 3/32    | 6 1/2      | 19.30      |



### Coupling Ratings & Misalignment

| Flange Size | Hytlrel Sleeves | Max. RPM | HP Per 100 RPM |       |       |       |       | Torque (in. lbs.) | Stiffness (in. lbs./ rad) | Allow. Misalignment (inches) |         |
|-------------|-----------------|----------|----------------|-------|-------|-------|-------|-------------------|---------------------------|------------------------------|---------|
|             |                 |          | Service Factor |       |       |       |       |                   |                           | Parallel                     | Angular |
|             |                 |          | 1.0            | 1.5   | 2.0   | 2.5   | 3.0   |                   |                           |                              |         |
| 6           | H, HS           | 6000     | 2.90           | 1.93  | 1.45  | 1.16  | 0.97  | 1800              | 10000                     | 0.010                        | 0.016   |
| 7           | H, HS           | 5250     | 4.60           | 3.07  | 2.30  | 1.84  | 1.53  | 2875              | 20000                     | 0.012                        | 0.020   |
| 8           | H, HS           | 4500     | 7.20           | 4.80  | 3.60  | 2.88  | 2.40  | 4530              | 30000                     | 0.015                        | 0.025   |
| 9           | H, HS           | 3750     | 11.40          | 7.60  | 5.70  | 4.56  | 3.80  | 7200              | 47500                     | 0.017                        | 0.028   |
| 10          | H, HS           | 3600     | 18.00          | 12.00 | 9.00  | 7.20  | 6.00  | 11350             | 100000                    | 0.020                        | 0.032   |
| 11          | H, HS           | 3600     | 29.00          | 19.33 | 14.50 | 11.60 | 9.67  | 18000             | 125000                    | 0.032                        | 0.151   |
| 12          | H, HS           | 2800     | 50.00          | 33.33 | 25.00 | 20.00 | 16.67 | 31500             | 225000                    | 0.032                        | 0.175   |
| 13          | HS              | 2400     | 75.00          | 50.00 | 37.50 | 30.00 | 25.00 | 47268             | 368900                    | 0.040                        | 0.195   |
| 14          | HS              | 2200     | 115.00         | 76.67 | 57.50 | 46.00 | 38.33 | 72480             | 593250                    | 0.045                        | 0.242   |

# MasterDrive® Light Duty V-Belts



## MasterDrive® Light Duty 3L V-Belts

## MasterDrive® Light Duty 4L V-Belts

## MasterDrive® Light Duty 5L V-Belts

| "3L" Light Duty V-Belts |                       |             |
|-------------------------|-----------------------|-------------|
| Belt P/N                | Outside Length (inch) | Approx. Wt. |
| 3L110                   | 11.00                 | 0.04        |
| 3L120                   | 12.00                 | 0.04        |
| 3L130                   | 13.00                 | 0.04        |
| 3L140                   | 14.00                 | 0.05        |
| 3L160                   | 16.00                 | 0.05        |
| 3L170                   | 17.00                 | 0.06        |
| 3L180                   | 18.00                 | 0.06        |
| 3L190                   | 19.00                 | 0.06        |
| 3L200                   | 20.00                 | 0.07        |
| 3L210                   | 21.00                 | 0.07        |
| 3L220                   | 22.00                 | 0.07        |
| 3L230                   | 23.00                 | 0.08        |
| 3L240                   | 24.50                 | 0.08        |
| 3L250                   | 25.00                 | 0.08        |
| 3L260                   | 26.00                 | 0.08        |
| 3L270                   | 27.00                 | 0.09        |
| 3L280                   | 28.00                 | 0.09        |
| 3L285                   | 28.50                 | 0.10        |
| 3L290                   | 29.00                 | 0.10        |
| 3L300                   | 30.00                 | 0.10        |
| 3L310                   | 31.00                 | 0.10        |
| 3L320                   | 32.00                 | 0.10        |
| 3L330                   | 33.00                 | 0.10        |
| 3L340                   | 34.00                 | 0.11        |
| 3L350                   | 35.00                 | 0.12        |
| 3L360                   | 36.00                 | 0.11        |
| 3L370                   | 37.00                 | 0.12        |
| 3L380                   | 38.00                 | 0.12        |
| 3L390                   | 39.00                 | 0.12        |
| 3L400                   | 40.00                 | 0.13        |
| 3L410                   | 41.00                 | 0.13        |
| 3L420                   | 42.00                 | 0.13        |
| 3L430                   | 43.00                 | 0.14        |
| 3L440                   | 44.00                 | 0.14        |
| 3L450                   | 45.00                 | 0.14        |
| 3L460                   | 46.00                 | 0.15        |
| 3L470                   | 47.00                 | 0.15        |

| "3L" Light Duty V-Belts |                       |             |
|-------------------------|-----------------------|-------------|
| Belt P/N                | Outside Length (inch) | Approx. Wt. |
| 3L480                   | 48.00                 | 0.16        |
| 3L500                   | 50.00                 | 0.16        |
| 3L510                   | 51.00                 | 0.17        |
| 3L520                   | 52.00                 | 0.17        |
| 3L530                   | 53.00                 | 0.16        |
| 3L550                   | 55.00                 | 0.18        |
| 3L560                   | 56.00                 | 0.18        |
| 3L570                   | 57.00                 | 0.19        |
| 3L580                   | 58.00                 | 0.19        |
| 3L590                   | 59.00                 | 0.19        |
| 3L600                   | 60.00                 | 0.20        |
| 3L610                   | 61.00                 | 0.20        |
| 3L620                   | 62.00                 | 0.20        |
| 3L630                   | 63.00                 | 0.19        |
| 3L640                   | 64.00                 | 0.20        |
| 3L650                   | 65.00                 | 0.20        |
| 3L660                   | 66.00                 | 0.20        |
| 3L670                   | 67.00                 | 0.21        |
| 3L680                   | 68.00                 | 0.21        |
| 3L690                   | 69.00                 | 0.21        |
| 3L700                   | 70.00                 | 0.24        |
| 3L710                   | 71.00                 | 0.25        |
| 3L720                   | 72.00                 | 0.25        |
| 3L730                   | 73.00                 | 0.26        |
| 3L740                   | 74.00                 | 0.26        |

| "4L" Light Duty V-Belts |                       |             |
|-------------------------|-----------------------|-------------|
| Belt P/N                | Outside Length (inch) | Approx. Wt. |
| 4L150                   | 15.00                 | 0.10        |
| 4L160                   | 16.00                 | 0.10        |
| 4L170                   | 17.00                 | 0.10        |
| 4L180                   | 18.00                 | 0.11        |
| 4L190                   | 19.00                 | 0.12        |
| 4L200                   | 20.00                 | 0.12        |
| 4L210                   | 21.00                 | 0.13        |
| 4L220                   | 22.00                 | 0.13        |

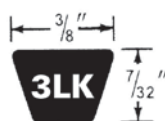
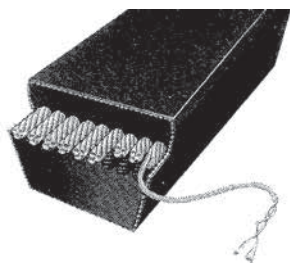
| "4L" Light Duty V-Belts |                       |             |
|-------------------------|-----------------------|-------------|
| Belt P/N                | Outside Length (inch) | Approx. Wt. |
| 4L230                   | 23.00                 | 0.13        |
| 4L240                   | 24.00                 | 0.14        |
| 4L250                   | 25.00                 | 0.14        |
| 4L260                   | 26.00                 | 0.15        |
| 4L270                   | 27.00                 | 0.15        |
| 4L280                   | 28.00                 | 0.16        |
| 4L290                   | 29.00                 | 0.17        |
| 4L300                   | 30.00                 | 0.17        |
| 4L310                   | 31.00                 | 0.18        |
| 4L320                   | 32.00                 | 0.18        |
| 4L330                   | 33.00                 | 0.19        |
| 4L340                   | 34.00                 | 0.20        |
| 4L350                   | 35.00                 | 0.20        |
| 4L360                   | 36.00                 | 0.21        |
| 4L370                   | 37.00                 | 0.21        |
| 4L380                   | 38.00                 | 0.22        |
| 4L390                   | 39.00                 | 0.22        |
| 4L400                   | 40.00                 | 0.23        |
| 4L410                   | 41.00                 | 0.24        |
| 4L420                   | 42.00                 | 0.24        |
| 4L430                   | 43.00                 | 0.25        |
| 4L440                   | 44.00                 | 0.25        |
| 4L450                   | 45.00                 | 0.26        |
| 4L460                   | 46.00                 | 0.27        |
| 4L470                   | 47.00                 | 0.27        |
| 4L480                   | 48.00                 | 0.28        |
| 4L490                   | 49.00                 | 0.28        |
| 4L500                   | 50.00                 | 0.29        |
| 4L510                   | 51.00                 | 0.30        |
| 4L520                   | 52.00                 | 0.30        |
| 4L530                   | 53.00                 | 0.30        |
| 4L540                   | 54.00                 | 0.31        |
| 4L550                   | 55.00                 | 0.32        |
| 4L560                   | 56.00                 | 0.31        |
| 4L570                   | 57.00                 | 0.32        |
| 4L580                   | 58.00                 | 0.33        |
| 4L590                   | 59.00                 | 0.34        |
| 4L600                   | 60.00                 | 0.34        |
| 4L610                   | 61.00                 | 0.36        |
| 4L620                   | 62.00                 | 0.36        |

| "4L" Light Duty V-Belts |                       |             |
|-------------------------|-----------------------|-------------|
| Belt P/N                | Outside Length (inch) | Approx. Wt. |
| 4L630                   | 63.00                 | 0.36        |
| 4L640                   | 64.00                 | 0.37        |
| 4L650                   | 65.00                 | 0.36        |
| 4L660                   | 66.00                 | 0.38        |
| 4L670                   | 67.00                 | 0.39        |
| 4L680                   | 68.00                 | 0.39        |
| 4L690                   | 69.00                 | 0.40        |
| 4L700                   | 70.00                 | 0.40        |
| 4L710                   | 71.00                 | 0.41        |
| 4L720                   | 72.00                 | 0.42        |
| 4L730                   | 73.00                 | 0.43        |
| 4L740                   | 74.00                 | 0.41        |
| 4L750                   | 75.00                 | 0.42        |
| 4L760                   | 76.00                 | 0.45        |
| 4L770                   | 77.00                 | 0.46        |
| 4L780                   | 78.00                 | 0.47        |
| 4L790                   | 79.00                 | 0.48        |
| 4L800                   | 80.00                 | 0.46        |
| 4L810                   | 81.00                 | 0.50        |
| 4L820                   | 82.00                 | 0.50        |
| 4L830                   | 83.00                 | 0.53        |
| 4L840                   | 84.00                 | 0.49        |
| 4L850                   | 85.00                 | 0.54        |
| 4L860                   | 86.00                 | 0.53        |
| 4L870                   | 87.00                 | 0.49        |
| 4L880                   | 88.00                 | 0.53        |
| 4L890                   | 89.00                 | 0.51        |
| 4L900                   | 90.00                 | 0.54        |
| 4L910                   | 91.00                 | 0.56        |
| 4L920                   | 92.00                 | 0.52        |
| 4L930                   | 93.00                 | 0.56        |
| 4L940                   | 94.00                 | 0.54        |
| 4L950                   | 95.00                 | 0.60        |
| 4L960                   | 96.00                 | 0.59        |
| 4L970                   | 97.00                 | 0.57        |
| 4L980                   | 98.00                 | 0.59        |
| 4L990                   | 99.00                 | 0.61        |
| 4L1000                  | 100.00                | 0.62        |

| "5L" Light Duty V-Belts |                       |             |
|-------------------------|-----------------------|-------------|
| Belt P/N                | Outside Length (inch) | Approx. Wt. |
| 5L230                   | 23.00                 | 0.21        |
| 5L240                   | 24.00                 | 0.22        |
| 5L250                   | 25.00                 | 0.23        |
| 5L260                   | 26.00                 | 0.24        |
| 5L270                   | 27.00                 | 0.23        |
| 5L280                   | 28.00                 | 0.26        |
| 5L290                   | 29.00                 | 0.27        |
| 5L300                   | 30.00                 | 0.28        |
| 5L310                   | 31.00                 | 0.28        |
| 5L320                   | 32.00                 | 0.30        |
| 5L330                   | 33.00                 | 0.31        |
| 5L340                   | 34.00                 | 0.32        |
| 5L350                   | 35.00                 | 0.33        |
| 5L360                   | 36.00                 | 0.34        |
| 5L370                   | 37.00                 | 0.35        |
| 5L380                   | 38.00                 | 0.35        |
| 5L390                   | 39.00                 | 0.36        |
| 5L400                   | 40.00                 | 0.38        |
| 5L410                   | 41.00                 | 0.39        |
| 5L420                   | 42.00                 | 0.40        |
| 5L430                   | 43.00                 | 0.40        |
| 5L440                   | 44.00                 | 0.41        |
| 5L450                   | 45.00                 | 0.43        |
| 5L460                   | 46.00                 | 0.43        |
| 5L470                   | 47.00                 | 0.44        |
| 5L480                   | 48.00                 | 0.45        |
| 5L490                   | 49.00                 | 0.46        |
| 5L500                   | 50.00                 | 0.47        |
| 5L510                   | 51.00                 | 0.48        |
| 5L520                   | 52.00                 | 0.48        |
| 5L530                   | 53.00                 | 0.50        |
| 5L540                   | 54.00                 | 0.51        |
| 5L550                   | 55.00                 | 0.50        |
| 5L560                   | 56.00                 | 0.51        |
| 5L570                   | 57.00                 | 0.52        |
| 5L580                   | 58.00                 | 0.54        |
| 5L590                   | 59.00                 | 0.56        |
| 5L600                   | 60.00                 | 0.67        |
| 5L610                   | 61.00                 | 0.58        |
| 5L620                   | 62.00                 | 0.59        |

| "5L" Light Duty V-Belts |                       |             |
|-------------------------|-----------------------|-------------|
| Belt P/N                | Outside Length (inch) | Approx. Wt. |
| 5L630                   | 63.00                 | 0.60        |
| 5L640                   | 64.00                 | 0.61        |
| 5L650                   | 65.00                 | 0.62        |
| 5L660                   | 66.00                 | 0.60        |
| 5L670                   | 67.00                 | 0.63        |
| 5L680                   | 68.00                 | 0.64        |
| 5L690                   | 69.00                 | 0.65        |
| 5L700                   | 70.00                 | 0.66        |
| 5L710                   | 71.00                 | 0.67        |
| 5L720                   | 72.00                 | 0.68        |
| 5L730                   | 73.00                 | 0.69        |
| 5L740                   | 74.00                 | 0.71        |
| 5L750                   | 75.00                 | 0.71        |
| 5L760                   | 76.00                 | 0.72        |
| 5L770                   | 77.00                 | 0.73        |
| 5L780                   | 78.00                 | 0.74        |
| 5L790                   | 79.00                 | 0.77        |
| 5L800                   | 80.00                 | 0.76        |
| 5L810                   | 81.00                 | 0.77        |
| 5L820                   | 82.00                 | 0.76        |
| 5L830                   | 83.00                 | 0.79        |
| 5L840                   | 84.00                 | 0.78        |
| 5L850                   | 85.00                 | 0.83        |
| 5L860                   | 86.00                 | 0.82        |
| 5L870                   | 87.00                 | 0.85        |
| 5L880                   | 88.00                 | 0.84        |
| 5L890                   | 89.00                 | 0.85        |
| 5L900                   | 90.00                 | 0.87        |
| 5L910                   | 91.00                 | 0.82        |
| 5L920                   | 92.00                 | 0.84        |
| 5L930                   | 93.00                 | 0.88        |
| 5L940                   | 94.00                 | 0.91        |
| 5L950                   | 95.00                 | 0.92        |
| 5L960                   | 96.00                 | 0.89        |
| 5L970                   | 97.00                 | 0.87        |
| 5L980                   | 98.00                 | 0.95        |
| 5L990                   | 99.00                 | 0.94        |
| 5L1000                  | 100.00                | 0.90        |

## MasterDrive® Lawn & Garden Aramid V-Belts



### MasterDrive® Aramid 3LK V-Belts

### MasterDrive® Aramid 4LK V-Belts

### MasterDrive® Aramid 5LK V-Belts

| "3LK" Aramid V-Belts |                       |             |
|----------------------|-----------------------|-------------|
| Belt P/N             | Outside Length (inch) | Approx. Wt. |
| 3LK200               | 20.00                 | 0.06        |
| 3LK210               | 21.00                 | 0.06        |
| 3LK220               | 22.00                 | 0.06        |
| 3LK230               | 23.00                 | 0.06        |
| 3LK240               | 24.50                 | 0.06        |
| 3LK250               | 25.00                 | 0.06        |
| 3LK260               | 26.00                 | 0.07        |
| 3LK270               | 27.00                 | 0.07        |
| 3LK280               | 28.00                 | 0.07        |
| 3LK290               | 29.00                 | 0.08        |
| 3LK300               | 30.00                 | 0.08        |
| 3LK310               | 31.00                 | 0.09        |
| 3LK320               | 32.00                 | 0.09        |
| 3LK330               | 33.00                 | 0.09        |
| 3LK340               | 34.00                 | 0.10        |
| 3LK350               | 35.00                 | 0.10        |
| 3LK360               | 36.00                 | 0.10        |
| 3LK370               | 37.00                 | 0.11        |
| 3LK380               | 38.00                 | 0.11        |
| 3LK390               | 39.00                 | 0.11        |
| 3LK400               | 40.00                 | 0.11        |
| 3LK410               | 41.00                 | 0.12        |
| 3LK420               | 42.00                 | 0.12        |
| 3LK430               | 43.00                 | 0.12        |
| 3LK440               | 44.00                 | 0.12        |
| 3LK450               | 45.00                 | 0.12        |
| 3LK460               | 46.00                 | 0.12        |
| 3LK470               | 47.00                 | 0.13        |
| 3LK480               | 48.00                 | 0.13        |
| 3LK490               | 49.00                 | 0.13        |
| 3LK500               | 50.00                 | 0.13        |
| 3LK510               | 51.00                 | 0.14        |

| "3LK" Aramid V-Belts |                       |             |
|----------------------|-----------------------|-------------|
| Belt P/N             | Outside Length (inch) | Approx. Wt. |
| 3LK520               | 52.00                 | 0.14        |
| 3LK530               | 53.00                 | 0.14        |
| 3LK540               | 54.00                 | 0.14        |
| 3LK550               | 55.00                 | 0.15        |
| 3LK560               | 56.00                 | 0.15        |
| 3LK570               | 57.00                 | 0.15        |
| 3LK580               | 58.00                 | 0.16        |
| 3LK590               | 59.00                 | 0.16        |
| 3LK600               | 60.00                 | 0.16        |
| 3LK610               | 61.00                 | 0.16        |
| 3LK620               | 62.00                 | 0.17        |
| 3LK630               | 63.00                 | 0.17        |

| "4LK" Aramid V-Belts |                       |             |
|----------------------|-----------------------|-------------|
| Belt P/N             | Outside Length (inch) | Approx. Wt. |
| 4LK210               | 21.00                 | 0.10        |
| 4LK215               | 21.50                 | 0.11        |
| 4LK220               | 22.00                 | 0.11        |
| 4LK230               | 23.00                 | 0.11        |
| 4LK240               | 24.00                 | 0.12        |
| 4LK250               | 25.00                 | 0.12        |
| 4LK260               | 26.00                 | 0.13        |
| 4LK270               | 27.00                 | 0.13        |
| 4LK280               | 28.00                 | 0.14        |
| 4LK290               | 29.00                 | 0.14        |
| 4LK300               | 30.00                 | 0.15        |
| 4LK310               | 31.00                 | 0.15        |
| 4LK320               | 32.00                 | 0.16        |
| 4LK330               | 33.00                 | 0.16        |
| 4LK340               | 34.00                 | 0.17        |
| 4LK350               | 35.00                 | 0.17        |
| 4LK360               | 36.00                 | 0.18        |

| "4LK" Aramid V-Belts |                       |             |
|----------------------|-----------------------|-------------|
| Belt P/N             | Outside Length (inch) | Approx. Wt. |
| 4LK370               | 37.00                 | 0.20        |
| 4LK380               | 38.00                 | 0.21        |
| 4LK390               | 39.00                 | 0.22        |
| 4LK400               | 40.00                 | 0.23        |
| 4LK410               | 41.00                 | 0.23        |
| 4LK420               | 42.00                 | 0.24        |
| 4LK430               | 43.00                 | 0.25        |
| 4LK440               | 44.00                 | 0.25        |
| 4LK450               | 45.00                 | 0.26        |
| 4LK460               | 46.00                 | 0.26        |
| 4LK470               | 47.00                 | 0.27        |
| 4LK480               | 48.00                 | 0.28        |
| 4LK490               | 49.00                 | 0.28        |
| 4LK500               | 50.00                 | 0.29        |
| 4LK510               | 51.00                 | 0.29        |
| 4LK520               | 52.00                 | 0.30        |
| 4LK530               | 53.00                 | 0.30        |
| 4LK540               | 54.00                 | 0.31        |
| 4LK550               | 55.00                 | 0.32        |
| 4LK560               | 56.00                 | 0.32        |
| 4LK570               | 57.00                 | 0.33        |
| 4LK580               | 58.00                 | 0.33        |
| 4LK590               | 59.00                 | 0.34        |
| 4LK600               | 60.00                 | 0.35        |
| 4LK610               | 61.00                 | 0.35        |
| 4LK620               | 62.00                 | 0.36        |
| 4LK630               | 63.00                 | 0.36        |
| 4LK640               | 64.00                 | 0.37        |
| 4LK650               | 65.00                 | 0.37        |
| 4LK660               | 66.00                 | 0.38        |
| 4LK670               | 67.00                 | 0.39        |
| 4LK680               | 68.00                 | 0.39        |

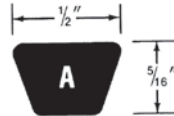
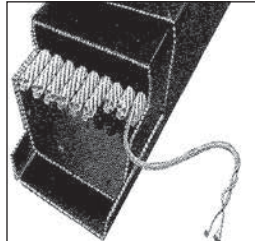
| "4LK" Aramid V-Belts |                       |             |
|----------------------|-----------------------|-------------|
| Belt P/N             | Outside Length (inch) | Approx. Wt. |
| 4LK690               | 69.00                 | 0.40        |
| 4LK700               | 70.00                 | 0.40        |
| 4LK710               | 71.00                 | 0.41        |
| 4LK720               | 72.00                 | 0.42        |
| 4LK730               | 73.00                 | 0.42        |
| 4LK740               | 74.00                 | 0.43        |
| 4LK750               | 75.00                 | 0.43        |
| 4LK760               | 76.00                 | 0.44        |
| 4LK770               | 77.00                 | 0.44        |
| 4LK780               | 78.00                 | 0.46        |
| 4LK790               | 79.00                 | 0.47        |
| 4LK800               | 80.00                 | 0.48        |
| 4LK810               | 81.00                 | 0.49        |
| 4LK820               | 82.00                 | 0.49        |
| 4LK830               | 83.00                 | 0.50        |
| 4LK840               | 84.00                 | 0.50        |
| 4LK850               | 85.00                 | 0.51        |
| 4LK860               | 86.00                 | 0.52        |
| 4LK870               | 87.00                 | 0.52        |
| 4LK880               | 88.00                 | 0.53        |
| 4LK890               | 89.00                 | 0.53        |
| 4LK900               | 90.00                 | 0.54        |
| 4LK910               | 91.00                 | 0.55        |
| 4LK920               | 92.00                 | 0.55        |
| 4LK930               | 93.00                 | 0.56        |
| 4LK940               | 94.00                 | 0.57        |
| 4LK950               | 95.00                 | 0.57        |
| 4LK960               | 96.00                 | 0.58        |
| 4LK970               | 97.00                 | 0.58        |
| 4LK980               | 98.00                 | 0.59        |
| 4LK990               | 99.00                 | 0.60        |
| 4LK1000              | 100.00                | 0.60        |

| "5LK" Aramid V-Belts |                       |             |
|----------------------|-----------------------|-------------|
| Belt P/N             | Outside Length (inch) | Approx. Wt. |
| 5LK240               | 24.00                 | 0.20        |
| 5LK250               | 25.00                 | 0.20        |
| 5LK260               | 26.00                 | 0.21        |
| 5LK270               | 27.00                 | 0.22        |
| 5LK280               | 28.00                 | 0.23        |
| 5LK290               | 29.00                 | 0.24        |
| 5LK300               | 30.00                 | 0.25        |
| 5LK310               | 31.00                 | 0.26        |
| 5LK320               | 32.00                 | 0.26        |
| 5LK330               | 33.00                 | 0.27        |
| 5LK340               | 34.00                 | 0.28        |
| 5LK350               | 35.00                 | 0.29        |
| 5LK360               | 36.00                 | 0.30        |
| 5LK370               | 37.00                 | 0.31        |
| 5LK380               | 38.00                 | 0.31        |
| 5LK390               | 39.00                 | 0.32        |
| 5LK400               | 40.00                 | 0.33        |
| 5LK410               | 41.00                 | 0.34        |
| 5LK420               | 42.00                 | 0.35        |
| 5LK430               | 43.00                 | 0.36        |
| 5LK440               | 44.00                 | 0.36        |
| 5LK450               | 45.00                 | 0.37        |
| 5LK460               | 46.00                 | 0.38        |
| 5LK470               | 47.00                 | 0.40        |
| 5LK480               | 48.00                 | 0.41        |
| 5LK490               | 49.00                 | 0.42        |
| 5LK500               | 50.00                 | 0.43        |
| 5LK510               | 51.00                 | 0.44        |
| 5LK520               | 52.00                 | 0.45        |
| 5LK530               | 53.00                 | 0.46        |
| 5LK540               | 54.00                 | 0.46        |
| 5LK550               | 55.00                 | 0.47        |
| 5LK560               | 56.00                 | 0.48        |
| 5LK570               | 57.00                 | 0.49        |
| 5LK580               | 58.00                 | 0.50        |
| 5LK590               | 59.00                 | 0.51        |
| 5LK600               | 60.00                 | 0.52        |
| 5LK610               | 61.00                 | 0.53        |
| 5LK620               | 62.00                 | 0.53        |

| "5LK" Aramid V-Belts |                       |             |
|----------------------|-----------------------|-------------|
| Belt P/N             | Outside Length (inch) | Approx. Wt. |
| 5LK630               | 63.00                 | 0.54        |
| 5LK640               | 64.00                 | 0.55        |
| 5LK650               | 65.00                 | 0.56        |
| 5LK660               | 66.00                 | 0.57        |
| 5LK670               | 67.00                 | 0.58        |
| 5LK680               | 68.00                 | 0.59        |
| 5LK690               | 69.00                 | 0.60        |
| 5LK700               | 70.00                 | 0.60        |
| 5LK710               | 71.00                 | 0.61        |
| 5LK720               | 72.00                 | 0.62        |
| 5LK730               | 73.00                 | 0.63        |
| 5LK740               | 74.00                 | 0.64        |
| 5LK750               | 75.00                 | 0.65        |
| 5LK760               | 76.00                 | 0.66        |
| 5LK770               | 77.00                 | 0.66        |
| 5LK780               | 78.00                 | 0.67        |
| 5LK790               | 79.00                 | 0.68        |
| 5LK800               | 80.00                 | 0.69        |
| 5LK810               | 81.00                 | 0.71        |
| 5LK820               | 82.00                 | 0.72        |
| 5LK830               | 83.00                 | 0.73        |
| 5LK840               | 84.00                 | 0.74        |
| 5LK850               | 85.00                 | 0.74        |
| 5LK860               | 86.00                 | 0.75        |
| 5LK870               | 87.00                 | 0.76        |
| 5LK880               | 88.00                 | 0.77        |
| 5LK890               | 89.00                 | 0.78        |
| 5LK900               | 90.00                 | 0.79        |
| 5LK910               | 91.00                 | 0.80        |
| 5LK920               | 92.00                 | 0.81        |
| 5LK930               | 93.00                 | 0.81        |
| 5LK940               | 94.00                 | 0.82        |
| 5LK950               | 95.00                 | 0.83        |
| 5LK960               | 96.00                 | 0.84        |
| 5LK970               | 97.00                 | 0.85        |
| 5LK980               | 98.00                 | 0.86        |
| 5LK990               | 99.00                 | 0.87        |
| 5LK1000              | 100.00                | 0.88        |

# MasterDrive® Classical V-Belts

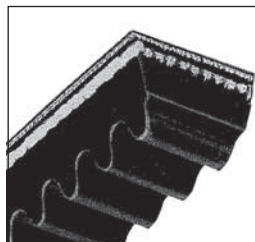
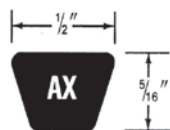
## A V-Belts



| “A” V-Belts |                       |             | “A” V-Belts |                       |             | “A” V-Belts |                       |             | “A” V-Belts |                       |             |
|-------------|-----------------------|-------------|-------------|-----------------------|-------------|-------------|-----------------------|-------------|-------------|-----------------------|-------------|
| Belt P/N    | Outside Length (inch) | Approx. Wt. | Belt P/N    | Outside Length (inch) | Approx. Wt. | Belt P/N    | Outside Length (inch) | Approx. Wt. | Belt P/N    | Outside Length (inch) | Approx. Wt. |
| A19         | 21                    | 0.12        | A51         | 53                    | 0.34        | A83         | 85                    | 0.52        | A116        | 118                   | 0.74        |
| A20         | 22                    | 0.15        | A52         | 54                    | 0.35        | A84         | 86                    | 0.52        | A120        | 122                   | 0.77        |
| A21         | 23                    | 0.16        | A53         | 55                    | 0.36        | A85         | 87                    | 0.53        | A123        | 125                   | 0.79        |
| A22         | 24                    | 0.16        | A54         | 56                    | 0.36        | A86         | 88                    | 0.54        | A124        | 126                   | 0.79        |
| A23         | 25                    | 0.17        | A55         | 57                    | 0.37        | A87         | 89                    | 0.54        | A125        | 127                   | 0.81        |
| A24         | 26                    | 0.18        | A56         | 58                    | 0.37        | A88         | 90                    | 0.55        | A126        | 128                   | 0.80        |
| A25         | 27                    | 0.18        | A57         | 59                    | 0.38        | A89         | 91                    | 0.56        | A128        | 130                   | 0.83        |
| A26         | 28                    | 0.19        | A58         | 60                    | 0.38        | A90         | 92                    | 0.56        | A130        | 132                   | 0.84        |
| A27         | 29                    | 0.20        | A59         | 61                    | 0.39        | A91         | 93                    | 0.57        | A133        | 135                   | 0.86        |
| A28         | 30                    | 0.20        | A60         | 62                    | 0.39        | A92         | 94                    | 0.58        | A135        | 137                   | 0.88        |
| A29         | 31                    | 0.21        | A61         | 63                    | 0.40        | A93         | 95                    | 0.59        | A136        | 138                   | 0.88        |
| A30         | 32                    | 0.22        | A62         | 64                    | 0.40        | A94         | 96                    | 0.59        | A137        | 139                   | 0.87        |
| A31         | 33                    | 0.22        | A63         | 65                    | 0.41        | A95         | 97                    | 0.60        | A138        | 140                   | 0.88        |
| A32         | 34                    | 0.23        | A64         | 66                    | 0.41        | A96         | 98                    | 0.61        | A140        | 142                   | 0.91        |
| A33         | 35                    | 0.24        | A65         | 67                    | 0.42        | A97         | 99                    | 0.61        | A144        | 146                   | 0.94        |
| A34         | 36                    | 0.24        | A66         | 68                    | 0.42        | A98         | 100                   | 0.62        | A150        | 152                   | 0.98        |
| A35         | 37                    | 0.25        | A67         | 69                    | 0.43        | A99         | 101                   | 0.63        | A154        | 156                   | 0.95        |
| A36         | 38                    | 0.26        | A68         | 70                    | 0.43        | A100        | 102                   | 0.63        | A155        | 157                   | 1.02        |
| A37         | 39                    | 0.26        | A69         | 71                    | 0.44        | A101        | 103                   | 0.64        | A156        | 158                   | 1.03        |
| A38         | 40                    | 0.27        | A70         | 72                    | 0.44        | A102        | 104                   | 0.65        | A158        | 160                   | 1.04        |
| A39         | 41                    | 0.27        | A71         | 73                    | 0.45        | A103        | 105                   | 0.65        | A160        | 162                   | 1.06        |
| A40         | 42                    | 0.28        | A72         | 74                    | 0.45        | A104        | 106                   | 0.66        | A167        | 169                   | 1.12        |
| A41         | 43                    | 0.29        | A73         | 75                    | 0.45        | A105        | 107                   | 0.67        | A173        | 175                   | 1.15        |
| A42         | 44                    | 0.29        | A74         | 76                    | 0.46        | A106        | 108                   | 0.67        | A180        | 182                   | 1.20        |
| A43         | 45                    | 0.30        | A75         | 77                    | 0.47        | A107        | 109                   | 0.69        | A237        | 239                   | 1.65        |
| A44         | 46                    | 0.30        | A76         | 78                    | 0.47        | A108        | 110                   | 0.69        |             |                       |             |
| A45         | 47                    | 0.31        | A77         | 79                    | 0.48        | A109        | 111                   | 0.70        |             |                       |             |
| A46         | 48                    | 0.32        | A78         | 80                    | 0.49        | A110        | 112                   | 0.71        |             |                       |             |
| A47         | 49                    | 0.32        | A79         | 81                    | 0.49        | A112        | 114                   | 0.71        |             |                       |             |
| A48         | 50                    | 0.33        | A80         | 82                    | 0.50        | A113        | 115                   | 0.72        |             |                       |             |
| A49         | 51                    | 0.33        | A81         | 83                    | 0.50        | A114        | 116                   | 0.72        |             |                       |             |
| A50         | 52                    | 0.34        | A82         | 84                    | 0.51        | A115        | 117                   | 0.74        |             |                       |             |



## MasterDrive® Classical Cogged V-Belts AX V-Belts



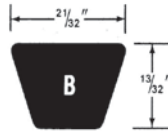
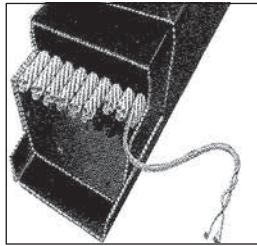
| “AX” V-Belts Cogged |                       |             |
|---------------------|-----------------------|-------------|
| Belt P/N            | Outside Length (inch) | Approx. Wt. |
| AX20                | 22                    | 0.14        |
| AX21                | 23                    | 0.14        |
| AX22                | 24                    | 0.15        |
| AX23                | 25                    | 0.15        |
| AX24                | 26                    | 0.16        |
| AX25                | 27                    | 0.17        |
| AX26                | 28                    | 0.17        |
| AX27                | 29                    | 0.18        |
| AX28                | 30                    | 0.18        |
| AX29                | 31                    | 0.19        |
| AX30                | 32                    | 0.20        |
| AX31                | 33                    | 0.20        |
| AX32                | 34                    | 0.21        |
| AX33                | 35                    | 0.21        |
| AX34                | 36                    | 0.22        |
| AX35                | 37                    | 0.23        |
| AX36                | 38                    | 0.23        |
| AX37                | 39                    | 0.24        |
| AX38                | 40                    | 0.24        |
| AX39                | 41                    | 0.25        |
| AX40                | 42                    | 0.25        |
| AX41                | 43                    | 0.26        |
| AX42                | 44                    | 0.26        |
| AX43                | 45                    | 0.27        |
| AX44                | 46                    | 0.27        |
| AX45                | 47                    | 0.28        |
| AX46                | 48                    | 0.28        |
| AX47                | 49                    | 0.29        |
| AX48                | 50                    | 0.29        |

| “AX” V-Belts Cogged |                       |             |
|---------------------|-----------------------|-------------|
| Belt P/N            | Outside Length (inch) | Approx. Wt. |
| AX49                | 51                    | 0.30        |
| AX50                | 52                    | 0.30        |
| AX52                | 54                    | 0.31        |
| AX53                | 55                    | 0.32        |
| AX54                | 56                    | 0.32        |
| AX55                | 57                    | 0.32        |
| AX56                | 58                    | 0.33        |
| AX57                | 59                    | 0.33        |
| AX58                | 60                    | 0.34        |
| AX59                | 61                    | 0.34        |
| AX60                | 62                    | 0.35        |
| AX61                | 63                    | 0.35        |
| AX62                | 64                    | 0.36        |
| AX63                | 65                    | 0.37        |
| AX64                | 66                    | 0.38        |
| AX65                | 67                    | 0.38        |
| AX66                | 68                    | 0.49        |
| AX67                | 69                    | 0.40        |
| AX68                | 70                    | 0.41        |
| AX69                | 71                    | 0.42        |
| AX70                | 72                    | 0.42        |
| AX71                | 73                    | 0.43        |
| AX73                | 75                    | 0.45        |
| AX74                | 76                    | 0.46        |
| AX75                | 77                    | 0.46        |
| AX77                | 79                    | 0.48        |
| AX78                | 80                    | 0.49        |
| AX79                | 81                    | 0.50        |
| AX80                | 82                    | 0.51        |

| “AX” V-Belts Cogged |                       |             |
|---------------------|-----------------------|-------------|
| Belt P/N            | Outside Length (inch) | Approx. Wt. |
| AX81                | 83                    | 0.52        |
| AX82                | 84                    | 0.52        |
| AX83                | 85                    | 0.53        |
| AX84                | 86                    | 0.54        |
| AX85                | 87                    | 0.55        |
| AX86                | 88                    | 0.56        |
| AX87                | 89                    | 0.57        |
| AX88                | 90                    | 0.58        |
| AX89                | 91                    | 0.59        |
| AX90                | 92                    | 0.60        |
| AX91                | 93                    | 0.60        |
| AX92                | 94                    | 0.61        |
| AX93                | 95                    | 0.62        |
| AX95                | 97                    | 0.64        |
| AX97                | 99                    | 0.66        |
| AX98                | 100                   | 0.67        |
| AX99                | 101                   | 0.68        |
| AX100               | 102                   | 0.69        |
| AX103               | 105                   | 0.72        |
| AX105               | 107                   | 0.74        |
| AX110               | 112                   | 0.79        |
| AX112               | 114                   | 0.81        |
| AX120               | 122                   | 0.90        |
| AX128               | 130                   | 0.96        |
| AX136               | 138                   | 1.02        |

# MasterDrive® Classical V-Belts

## B V-Belts



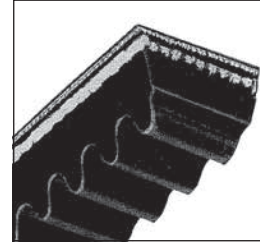
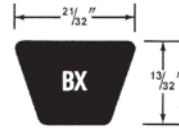
| “B” V-Belts |                       |             |
|-------------|-----------------------|-------------|
| Belt P/N    | Outside Length (inch) | Approx. Wt. |
| B24         | 27                    | 0.27        |
| B25         | 28                    | 0.28        |
| B26         | 29                    | 0.30        |
| B27         | 30                    | 0.31        |
| B28         | 31                    | 0.32        |
| B29         | 32                    | 0.33        |
| B30         | 33                    | 0.34        |
| B31         | 34                    | 0.35        |
| B32         | 35                    | 0.36        |
| B33         | 36                    | 0.37        |
| B34         | 37                    | 0.39        |
| B35         | 38                    | 0.40        |
| B36         | 39                    | 0.41        |
| B37         | 40                    | 0.42        |
| B38         | 41                    | 0.43        |
| B39         | 42                    | 0.44        |
| B40         | 43                    | 0.45        |
| B41         | 44                    | 0.46        |
| B42         | 45                    | 0.47        |
| B43         | 46                    | 0.49        |
| B44         | 47                    | 0.50        |
| B45         | 48                    | 0.51        |
| B46         | 49                    | 0.52        |
| B47         | 50                    | 0.53        |
| B48         | 51                    | 0.54        |
| B49         | 52                    | 0.55        |
| B50         | 53                    | 0.56        |
| B51         | 54                    | 0.57        |
| B52         | 55                    | 0.58        |
| B53         | 56                    | 0.59        |
| B54         | 57                    | 0.61        |
| B55         | 58                    | 0.62        |
| B56         | 59                    | 0.63        |
| B57         | 60                    | 0.64        |
| B58         | 61                    | 0.65        |
| B59         | 62                    | 0.66        |
| B60         | 63                    | 0.67        |
| B61         | 64                    | 0.68        |
| B62         | 65                    | 0.69        |
| B63         | 66                    | 0.70        |
| B64         | 67                    | 0.71        |
| B65         | 68                    | 0.72        |
| B66         | 69                    | 0.73        |
| B67         | 70                    | 0.74        |
| B68         | 71                    | 0.76        |
| B69         | 72                    | 0.77        |
| B70         | 73                    | 0.78        |
| B71         | 74                    | 0.79        |

| “B” V-Belts |                       |             |
|-------------|-----------------------|-------------|
| Belt P/N    | Outside Length (inch) | Approx. Wt. |
| B72         | 75                    | 0.80        |
| B73         | 76                    | 0.81        |
| B74         | 77                    | 0.82        |
| B75         | 78                    | 0.83        |
| B76         | 79                    | 0.84        |
| B77         | 80                    | 0.85        |
| B78         | 81                    | 0.86        |
| B79         | 82                    | 0.87        |
| B80         | 83                    | 0.88        |
| B81         | 84                    | 0.89        |
| B82         | 85                    | 0.90        |
| B83         | 86                    | 0.91        |
| B84         | 87                    | 0.92        |
| B85         | 88                    | 0.93        |
| B86         | 89                    | 0.94        |
| B87         | 90                    | 0.95        |
| B88         | 91                    | 0.96        |
| B89         | 92                    | 0.97        |
| B90         | 93                    | 0.98        |
| B91         | 94                    | 0.99        |
| B92         | 95                    | 1.00        |
| B93         | 96                    | 1.01        |
| B94         | 97                    | 1.03        |
| B95         | 98                    | 1.04        |
| B96         | 99                    | 1.05        |
| B97         | 100                   | 1.06        |
| B98         | 101                   | 1.07        |
| B99         | 102                   | 1.08        |
| B100        | 103                   | 1.09        |
| B102        | 105                   | 1.11        |
| B103        | 106                   | 1.12        |
| B104        | 107                   | 1.13        |
| B105        | 108                   | 1.14        |
| B106        | 109                   | 1.15        |
| B107        | 110                   | 1.16        |
| B108        | 111                   | 1.17        |
| B109        | 112                   | 1.18        |
| B110        | 113                   | 1.19        |
| B112        | 115                   | 1.21        |
| B113        | 116                   | 1.22        |
| B114        | 117                   | 1.23        |
| B115        | 118                   | 1.24        |
| B116        | 119                   | 1.25        |
| B117        | 120                   | 1.26        |
| B118        | 121                   | 1.28        |
| B120        | 123                   | 1.30        |
| B122        | 125                   | 1.32        |
| B123        | 126                   | 1.33        |

| “B” V-Belts |                       |             |
|-------------|-----------------------|-------------|
| Belt P/N    | Outside Length (inch) | Approx. Wt. |
| B124        | 127                   | 1.34        |
| B125        | 128                   | 1.35        |
| B126        | 129                   | 1.36        |
| B128        | 131                   | 1.38        |
| B130        | 133                   | 1.41        |
| B131        | 134                   | 1.42        |
| B132        | 135                   | 1.43        |
| B133        | 136                   | 1.44        |
| B134        | 137                   | 1.45        |
| B135        | 138                   | 1.46        |
| B136        | 139                   | 1.47        |
| B137        | 140                   | 1.48        |
| B138        | 141                   | 1.49        |
| B140        | 143                   | 1.51        |
| B141        | 144                   | 1.52        |
| B142        | 145                   | 1.53        |
| B143        | 146                   | 1.55        |
| B144        | 147                   | 1.56        |
| B145        | 148                   | 1.57        |
| B146        | 149                   | 1.58        |
| B147        | 150                   | 1.59        |
| B148        | 151                   | 1.60        |
| B149        | 152                   | 1.61        |
| B150        | 153                   | 1.62        |
| B151        | 154                   | 1.63        |
| B152        | 155                   | 1.64        |
| B153        | 156                   | 1.65        |
| B154        | 157                   | 1.66        |
| B155        | 158                   | 1.67        |
| B156        | 159                   | 1.69        |
| B158        | 161                   | 1.71        |
| B160        | 163                   | 1.73        |
| B161        | 164                   | 1.74        |
| B162        | 165                   | 1.75        |
| B163        | 166                   | 1.76        |
| B164        | 167                   | 1.77        |
| B165        | 168                   | 1.78        |
| B166        | 169                   | 1.79        |
| B167        | 170                   | 1.80        |
| B168        | 171                   | 1.82        |
| B169        | 172                   | 1.83        |
| B170        | 173                   | 1.84        |
| B173        | 176                   | 1.87        |
| B175        | 178                   | 1.89        |
| B178        | 181                   | 1.92        |
| B180        | 183                   | 1.94        |
| B182        | 185                   | 1.97        |
| B185        | 188                   | 1.99        |

| “B” V-Belts |                       |             |
|-------------|-----------------------|-------------|
| Belt P/N    | Outside Length (inch) | Approx. Wt. |
| B187        | 190                   | 2.10        |
| B188        | 191                   | 2.30        |
| B190        | 193                   | 2.05        |
| B191        | 194                   | 2.06        |
| B192        | 195                   | 2.07        |
| B195        | 198                   | 2.11        |
| B196        | 199                   | 2.12        |
| B199        | 202                   | 2.15        |
| B201        | 204                   | 2.18        |
| B204        | 207                   | 2.20        |
| B205        | 208                   | 2.21        |
| B206        | 209                   | 2.22        |
| B210        | 213                   | 2.27        |
| B212        | 215                   | 2.30        |
| B214        | 217                   | 2.32        |
| B215        | 218                   | 2.35        |
| B218        | 221                   | 2.37        |
| B220        | 223                   | 2.38        |
| B221        | 224                   | 2.39        |
| B225        | 228                   | 2.43        |
| B230        | 233                   | 2.47        |
| B233        | 236                   | 2.50        |
| B236        | 239                   | 2.53        |
| B237        | 240                   | 2.56        |
| B240        | 243                   | 2.59        |
| B255        | 258                   | 2.75        |
| B257        | 260                   | 2.79        |
| B260        | 263                   | 2.85        |
| B270        | 273                   | 2.91        |
| B285        | 288                   | 3.07        |
| B291        | 294                   | 3.10        |
| B292        | 295                   | 3.15        |
| B293        | 296                   | 3.16        |
| B300        | 303                   | 3.23        |
| B315        | 318                   | 3.39        |
| B326        | 329                   | 3.51        |
| B330        | 333                   | 3.55        |
| B360        | 363                   | 3.88        |
| B375        | 378                   | 4.00        |

## MasterDrive® Classical Cogged V-Belts **BX V-Belts**



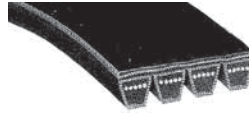
| “BX” V-Belts Cogged |                       |             |
|---------------------|-----------------------|-------------|
| Belt P/N            | Outside Length (inch) | Approx. Wt. |
| BX21                | 24                    | 0.21        |
| BX22                | 25                    | 0.22        |
| BX25                | 28                    | 0.25        |
| BX27                | 30                    | 0.27        |
| BX28                | 31                    | 0.28        |
| BX29                | 32                    | 0.29        |
| BX30                | 33                    | 0.30        |
| BX32                | 35                    | 0.32        |
| BX33                | 36                    | 0.33        |
| BX34                | 37                    | 0.34        |
| BX35                | 38                    | 0.35        |
| BX36                | 39                    | 0.36        |
| BX37                | 40                    | 0.37        |
| BX38                | 41                    | 0.38        |
| BX39                | 42                    | 0.39        |
| BX40                | 43                    | 0.40        |
| BX41                | 44                    | 0.41        |
| BX42                | 45                    | 0.42        |
| BX43                | 46                    | 0.43        |
| BX44                | 47                    | 0.44        |
| BX45                | 48                    | 0.45        |
| BX46                | 49                    | 0.46        |
| BX47                | 50                    | 0.47        |
| BX48                | 51                    | 0.48        |
| BX49                | 52                    | 0.49        |
| BX50                | 53                    | 0.50        |
| BX51                | 54                    | 0.51        |
| BX52                | 55                    | 0.52        |
| BX53                | 56                    | 0.53        |
| BX54                | 57                    | 0.54        |
| BX55                | 58                    | 0.55        |
| BX56                | 59                    | 0.56        |
| BX57                | 60                    | 0.57        |
| BX58                | 61                    | 0.58        |
| BX59                | 62                    | 0.59        |
| BX60                | 63                    | 0.60        |
| BX61                | 64                    | 0.61        |
| BX62                | 65                    | 0.62        |
| BX63                | 66                    | 0.63        |
| BX64                | 67                    | 0.64        |
| BX65                | 68                    | 0.65        |

| “BX” V-Belts Cogged |                       |             |
|---------------------|-----------------------|-------------|
| Belt P/N            | Outside Length (inch) | Approx. Wt. |
| BX66                | 69                    | 0.66        |
| BX67                | 70                    | 0.67        |
| BX68                | 71                    | 0.68        |
| BX69                | 72                    | 0.69        |
| BX70                | 73                    | 0.70        |
| BX71                | 74                    | 0.71        |
| BX72                | 75                    | 0.72        |
| BX73                | 76                    | 0.73        |
| BX74                | 77                    | 0.74        |
| BX76                | 79                    | 0.76        |
| BX77                | 80                    | 0.77        |
| BX79                | 82                    | 0.79        |
| BX80                | 83                    | 0.80        |
| BX81                | 84                    | 0.81        |
| BX82                | 85                    | 0.82        |
| BX83                | 86                    | 0.83        |
| BX84                | 87                    | 0.84        |
| BX85                | 88                    | 0.85        |
| BX86                | 89                    | 0.86        |
| BX87                | 90                    | 0.87        |
| BX88                | 91                    | 0.88        |
| BX89                | 92                    | 0.89        |
| BX90                | 93                    | 0.90        |
| BX91                | 94                    | 0.91        |
| BX92                | 95                    | 0.92        |
| BX93                | 96                    | 0.93        |
| BX94                | 97                    | 0.94        |
| BX95                | 98                    | 0.95        |
| BX96                | 99                    | 0.96        |
| BX97                | 100                   | 0.97        |
| BX98                | 101                   | 0.98        |
| BX99                | 102                   | 0.99        |
| BX100               | 103                   | 1.00        |
| BX101               | 104                   | 1.01        |
| BX102               | 105                   | 1.03        |
| BX103               | 106                   | 1.04        |
| BX104               | 107                   | 1.05        |
| BX105               | 108                   | 1.06        |
| BX106               | 109                   | 1.07        |
| BX107               | 110                   | 1.08        |
| BX108               | 111                   | 1.09        |

| “BX” V-Belts Cogged |                       |             |
|---------------------|-----------------------|-------------|
| Belt P/N            | Outside Length (inch) | Approx. Wt. |
| BX110               | 113                   | 1.11        |
| BX112               | 115                   | 1.14        |
| BX113               | 116                   | 1.15        |
| BX115               | 118                   | 1.17        |
| BX116               | 119                   | 1.18        |
| BX117               | 120                   | 1.19        |
| BX118               | 121                   | 1.20        |
| BX120               | 123                   | 1.23        |
| BX122               | 125                   | 1.25        |
| BX123               | 126                   | 1.32        |
| BX124               | 127                   | 1.27        |
| BX125               | 128                   | 1.28        |
| BX128               | 131                   | 1.32        |
| BX130               | 133                   | 1.34        |
| BX133               | 136                   | 1.37        |
| BX134               | 137                   | 1.38        |
| BX136               | 139                   | 1.41        |
| BX138               | 141                   | 1.43        |
| BX140               | 143                   | 1.45        |
| BX142               | 145                   | 1.48        |
| BX143               | 146                   | 1.48        |
| BX144               | 147                   | 1.50        |
| BX148               | 151                   | 1.55        |
| BX150               | 153                   | 1.57        |
| BX158               | 161                   | 1.67        |
| BX160               | 163                   | 1.69        |
| BX162               | 165                   | 1.71        |
| BX173               | 176                   | 1.85        |
| BX195               | 198                   | 2.12        |

# MasterDrive® Classical V-Belts

## B Banded V-Belts



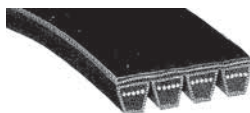
| “B” V-Belts |                       |             |
|-------------|-----------------------|-------------|
| Belt P/N    | Outside Length (inch) | Approx. Wt. |
| 3/B55       | 58                    | 2.16        |
| 4/B55       | 58                    | 2.88        |
| 2/B60       | 63                    | 1.57        |
| 3/B60       | 63                    | 2.36        |
| 4/B60       | 63                    | 3.14        |
| 3/B61       | 64                    | 2.39        |
| 4/B61       | 64                    | 3.19        |
| 5/B61       | 64                    | 3.99        |
| 2/B62       | 65                    | 1.62        |
| 3/B62       | 65                    | 2.43        |
| 4/B62       | 65                    | 3.25        |
| 2/B63       | 66                    | 1.65        |
| 3/B63       | 66                    | 2.47        |
| 4/B63       | 66                    | 3.30        |
| 2/B64       | 67                    | 1.67        |
| 3/B64       | 67                    | 2.51        |
| 4/B64       | 67                    | 3.35        |
| 5/B64       | 67                    | 4.19        |
| 2/B65       | 68                    | 1.70        |
| 3/B65       | 68                    | 2.55        |
| 2/B66       | 69                    | 1.73        |
| 3/B66       | 69                    | 2.59        |
| 4/B66       | 69                    | 3.46        |
| 2/B67       | 70                    | 1.75        |
| 3/B67       | 70                    | 2.63        |
| 2/B68       | 71                    | 1.78        |
| 3/B68       | 71                    | 2.67        |
| 4/B68       | 71                    | 3.56        |
| 2/B70       | 73                    | 1.83        |
| 3/B70       | 73                    | 2.75        |
| 4/B70       | 73                    | 3.67        |
| 2/B71       | 74                    | 1.86        |
| 3/B71       | 74                    | 2.79        |
| 4/B71       | 74                    | 3.72        |
| 2/B72       | 75                    | 1.88        |
| 3/B72       | 75                    | 2.83        |
| 4/B72       | 75                    | 3.77        |

| “B” V-Belts |                       |             |
|-------------|-----------------------|-------------|
| Belt P/N    | Outside Length (inch) | Approx. Wt. |
| 2/B73       | 76                    | 1.91        |
| 3/B73       | 76                    | 2.87        |
| 5/B73       | 76                    | 4.78        |
| 2/B74       | 77                    | 1.94        |
| 3/B74       | 77                    | 2.91        |
| 4/B74       | 77                    | 3.88        |
| 5/B74       | 77                    | 4.85        |
| 2/B75       | 78                    | 1.96        |
| 3/B75       | 78                    | 2.95        |
| 4/B75       | 78                    | 3.93        |
| 5/B75       | 78                    | 4.91        |
| 2/B77       | 80                    | 2.01        |
| 3/B77       | 80                    | 3.02        |
| 4/B77       | 80                    | 4.03        |
| 5/B77       | 80                    | 5.04        |
| 2/B78       | 81                    | 2.04        |
| 3/B78       | 81                    | 3.06        |
| 4/B78       | 81                    | 4.09        |
| 5/B78       | 81                    | 5.11        |
| 2/B79       | 82                    | 2.07        |
| 4/B79       | 82                    | 4.14        |
| 5/B79       | 82                    | 5.17        |
| 2/B80       | 83                    | 2.09        |
| 3/B80       | 83                    | 3.14        |
| 4/B80       | 83                    | 4.19        |
| 5/B80       | 83                    | 5.24        |
| 2/B81       | 84                    | 2.12        |
| 3/B81       | 84                    | 3.18        |
| 4/B81       | 84                    | 4.24        |
| 5/B81       | 84                    | 5.30        |
| 2/B82       | 85                    | 2.15        |
| 3/B82       | 85                    | 3.22        |
| 4/B82       | 85                    | 4.30        |
| 2/B83       | 86                    | 2.17        |
| 3/B83       | 86                    | 3.26        |
| 4/B83       | 86                    | 4.35        |

| “B” V-Belts |                       |             |
|-------------|-----------------------|-------------|
| Belt P/N    | Outside Length (inch) | Approx. Wt. |
| 2/B85       | 88                    | 2.22        |
| 3/B85       | 88                    | 3.34        |
| 4/B85       | 88                    | 4.45        |
| 2/B86       | 89                    | 2.25        |
| 3/B86       | 89                    | 3.38        |
| 4/B86       | 89                    | 4.51        |
| 5/B86       | 89                    | 5.63        |
| 2/B87       | 90                    | 2.28        |
| 3/B87       | 90                    | 3.42        |
| 4/B87       | 90                    | 4.56        |
| 5/B87       | 90                    | 5.70        |
| 2/B88       | 91                    | 2.30        |
| 3/B88       | 91                    | 3.46        |
| 4/B88       | 91                    | 4.61        |
| 5/B88       | 91                    | 5.76        |
| 2/B90       | 93                    | 2.36        |
| 3/B90       | 93                    | 3.54        |
| 4/B90       | 93                    | 4.72        |
| 2/B91       | 94                    | 2.40        |
| 3/B91       | 94                    | 3.60        |
| 4/B91       | 94                    | 4.80        |
| 5/B91       | 94                    | 6.00        |
| 2/B93       | 96                    | 2.43        |
| 3/B93       | 96                    | 3.65        |
| 4/B93       | 96                    | 4.87        |
| 5/B93       | 96                    | 6.09        |
| 2/B95       | 98                    | 2.49        |
| 3/B95       | 98                    | 3.73        |
| 4/B95       | 98                    | 4.98        |
| 5/B95       | 98                    | 6.22        |
| 3/B96       | 99                    | 3.77        |
| 4/B96       | 99                    | 5.03        |
| 2/B97       | 100                   | 2.54        |
| 3/B97       | 100                   | 3.81        |
| 4/B97       | 100                   | 5.08        |
| 5/B97       | 100                   | 6.35        |

| “B” V-Belts |                       |             |
|-------------|-----------------------|-------------|
| Belt P/N    | Outside Length (inch) | Approx. Wt. |
| 2/B98       | 101                   | 2.56        |
| 4/B98       | 101                   | 5.12        |
| 2/B99       | 102                   | 2.59        |
| 3/B99       | 102                   | 3.89        |
| 4/B99       | 102                   | 5.19        |
| 2/B100      | 103                   | 2.62        |
| 3/B100      | 103                   | 3.93        |
| 4/B100      | 103                   | 5.24        |
| 2/B103      | 106                   | 2.70        |
| 3/B103      | 106                   | 4.05        |
| 4/B103      | 106                   | 5.40        |
| 5/B103      | 106                   | 6.75        |
| 2/B104      | 107                   | 2.72        |
| 3/B104      | 107                   | 4.09        |
| 4/B104      | 107                   | 5.45        |
| 5/B104      | 107                   | 6.81        |
| 2/B105      | 108                   | 2.75        |
| 3/B105      | 108                   | 4.13        |
| 4/B105      | 108                   | 5.50        |
| 2/B107      | 110                   | 2.80        |
| 3/B107      | 110                   | 4.20        |
| 4/B107      | 110                   | 5.61        |
| 2/B108      | 111                   | 2.83        |
| 3/B108      | 111                   | 4.24        |
| 4/B108      | 111                   | 5.66        |
| 5/B108      | 111                   | 7.07        |
| 2/B110      | 113                   | 2.88        |
| 3/B110      | 113                   | 4.32        |
| 4/B110      | 113                   | 5.76        |
| 5/B110      | 113                   | 7.21        |
| 2/B111      | 114                   | 2.91        |
| 3/B111      | 114                   | 4.36        |
| 4/B111      | 114                   | 5.82        |
| 2/B112      | 115                   | 2.93        |
| 3/B112      | 115                   | 4.40        |
| 4/B112      | 115                   | 5.87        |

## MasterDrive® Classical V-Belts B Banded V-Belts

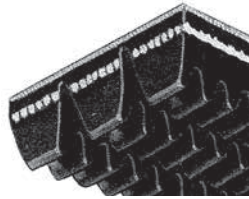


| “B” V-Belts<br>Outside |                  |                | “B” V-Belts<br>Outside |                  |                | “B” V-Belts<br>Outside |                  |                |
|------------------------|------------------|----------------|------------------------|------------------|----------------|------------------------|------------------|----------------|
| Belt<br>P/N            | Length<br>(inch) | Approx.<br>Wt. | Belt<br>P/N            | Length<br>(inch) | Approx.<br>Wt. | Belt<br>P/N            | Length<br>(inch) | Approx.<br>Wt. |
| 2/B114                 | 117              | 2.98           | 2/B144                 | 147              | 3.77           | 3/B190                 | 193              | 7.40           |
| 3/B114                 | 117              | 4.48           | 3/B144                 | 147              | 5.66           | 4/B190                 | 193              | 9.80           |
| 4/B114                 | 117              | 5.97           | 4/B144                 | 147              | 7.55           | 5/B190                 | 193              | 12.40          |
| 2/B115                 | 118              | 3.01           | 5/B144                 | 147              | 9.43           | 2/B195                 | 198              | 5.11           |
| 3/B115                 | 118              | 4.52           | 2/B148                 | 151              | 3.88           | 3/B195                 | 198              | 7.66           |
| 2/B116                 | 119              | 3.08           | 3/B148                 | 151              | 5.82           | 4/B195                 | 198              | 10.22          |
| 3/B116                 | 119              | 4.60           | 4/B148                 | 151              | 7.76           | 5/B195                 | 198              | 12.78          |
| 4/B116                 | 119              | 6.19           | 5/B148                 | 151              | 9.70           | 2/B210                 | 213              | 5.50           |
| 5/B116                 | 119              | 7.70           | 2/B150                 | 153              | 3.93           | 3/B210                 | 213              | 8.25           |
| 2/B120                 | 123              | 3.14           | 3/B150                 | 153              | 5.89           | 4/B210                 | 213              | 11.01          |
| 3/B120                 | 123              | 4.72           | 4/B150                 | 153              | 7.86           | 5/B210                 | 213              | 13.76          |
| 4/B120                 | 123              | 6.29           | 5/B150                 | 153              | 9.83           | 2/B225                 | 228              | 5.89           |
| 5/B120                 | 123              | 7.86           | 2/B154                 | 157              | 4.00           | 3/B225                 | 228              | 8.84           |
| 2/B124                 | 127              | 3.25           | 3/B154                 | 157              | 6.00           | 4/B225                 | 228              | 11.79          |
| 3/B124                 | 127              | 4.87           | 4/B154                 | 157              | 8.00           | 2/B240                 | 243              | 6.29           |
| 4/B124                 | 127              | 6.50           | 5/B154                 | 157              | 10.00          | 3/B240                 | 243              | 9.43           |
| 5/B124                 | 127              | 8.12           | 2/B158                 | 161              | 4.14           | 4/B240                 | 243              | 12.58          |
| 2/B128                 | 131              | 3.35           | 3/B158                 | 161              | 6.21           | 2/B255                 | 258              | 6.68           |
| 3/B128                 | 131              | 5.03           | 4/B158                 | 161              | 8.28           | 4/B255                 | 258              | 13.37          |
| 4/B128                 | 131              | 6.71           | 5/B158                 | 161              | 10.35          | 3/B285                 | 288              | 11.20          |
| 5/B128                 | 131              | 8.39           | 2/B162                 | 165              | 4.24           | 5/B285                 | 288              | 18.68          |
| 2/B133                 | 136              | 3.48           | 3/B162                 | 165              | 6.37           |                        |                  |                |
| 3/B133                 | 136              | 5.23           | 4/B162                 | 165              | 8.49           |                        |                  |                |
| 4/B133                 | 136              | 6.97           | 5/B162                 | 165              | 10.61          |                        |                  |                |
| 5/B133                 | 136              | 8.71           | 2/B173                 | 176              | 4.53           |                        |                  |                |
| 2/B136                 | 139              | 3.56           | 3/B173                 | 176              | 6.80           |                        |                  |                |
| 3/B136                 | 139              | 5.34           | 4/B173                 | 176              | 9.07           |                        |                  |                |
| 4/B136                 | 139              | 7.13           | 5/B173                 | 176              | 11.34          |                        |                  |                |
| 5/B136                 | 139              | 8.91           | 2/B180                 | 183              | 4.72           |                        |                  |                |
| 2/B140                 | 143              | 3.65           | 3/B180                 | 183              | 7.07           |                        |                  |                |
| 3/B140                 | 143              | 5.50           | 4/B180                 | 183              | 9.43           |                        |                  |                |
| 4/B140                 | 143              | 7.30           | 5/B180                 | 183              | 11.79          |                        |                  |                |



# MasterDrive® Classical Cogged V-Belts

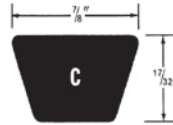
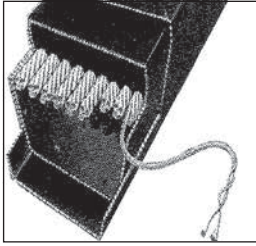
## **BX Banded V-Belts**



| <b>“BX” V-Belts Cogged</b> |               |             |
|----------------------------|---------------|-------------|
|                            | Outside       |             |
| Belt P/N                   | Length (inch) | Approx. Wt. |
| 2/BX105                    | 108           | 3.10        |
| 3/BX105                    | 108           | 4.65        |
| 4/BX105                    | 108           | 6.20        |
| 2/BX128                    | 131           | 3.80        |
| 2/BX136                    | 139           | 4.00        |
| 3/BX136                    | 139           | 6.00        |
| 4/BX136                    | 139           | 8.00        |
| 5/BX136                    | 139           | 10.10       |
| 2/BX144                    | 147           | 4.27        |
| 3/BX144                    | 147           | 6.41        |
| 4/BX144                    | 147           | 8.55        |
| 5/BX144                    | 147           | 10.68       |
| 2/BX158                    | 161           | 4.69        |
| 3/BX158                    | 161           | 7.03        |
| 5/BX158                    | 161           | 11.72       |
| 2/BX195                    | 198           | 5.78        |
| 3/BX195                    | 198           | 8.68        |
| 4/BX195                    | 198           | 11.57       |

## MasterDrive® Classical V-Belts

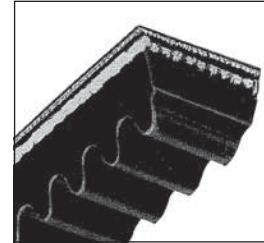
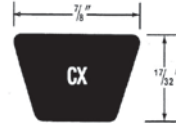
### C V-Belts



| “C” V-Belts |                       |             | “C” V-Belts |                       |             | “C” V-Belts |                       |             | “C” V-Belts |                       |             |
|-------------|-----------------------|-------------|-------------|-----------------------|-------------|-------------|-----------------------|-------------|-------------|-----------------------|-------------|
| Belt P/N    | Outside Length (inch) | Approx. Wt. | Belt P/N    | Outside Length (inch) | Approx. Wt. | Belt P/N    | Outside Length (inch) | Approx. Wt. | Belt P/N    | Outside Length (inch) | Approx. Wt. |
| C46         | 50                    | 0.80        | C87         | 91                    | 1.50        | C128        | 132                   | 2.19        | C173        | 177                   | 3.05        |
| C47         | 51                    | 0.82        | C90         | 94                    | 1.55        | C130        | 134                   | 2.22        | C175        | 179                   | 3.08        |
| C48         | 52                    | 0.83        | C91         | 95                    | 1.56        | C131        | 135                   | 2.24        | C177        | 181                   | 3.12        |
| C49         | 53                    | 0.85        | C92         | 96                    | 1.58        | C132        | 136                   | 2.25        | C180        | 184                   | 3.17        |
| C51         | 55                    | 0.88        | C93         | 97                    | 1.60        | C133        | 137                   | 2.27        | C182        | 186                   | 3.20        |
| C52         | 56                    | 0.90        | C94         | 98                    | 1.61        | C134        | 138                   | 2.29        | C183        | 187                   | 3.22        |
| C53         | 57                    | 0.92        | C95         | 99                    | 1.63        | C135        | 139                   | 2.30        | C184        | 188                   | 3.24        |
| C54         | 58                    | 0.93        | C96         | 100                   | 1.65        | C136        | 140                   | 2.32        | C185        | 189                   | 3.25        |
| C55         | 59                    | 0.95        | C97         | 101                   | 1.67        | C138        | 142                   | 2.35        | C187        | 191                   | 3.28        |
| C57         | 61                    | 0.98        | C98         | 102                   | 1.68        | C139        | 143                   | 2.37        | C188        | 192                   | 3.31        |
| C58         | 62                    | 1.00        | C99         | 103                   | 1.70        | C140        | 144                   | 2.48        | C190        | 194                   | 3.34        |
| C59         | 63                    | 1.02        | C100        | 104                   | 1.72        | C141        | 145                   | 2.49        | C195        | 199                   | 3.43        |
| C60         | 64                    | 1.04        | C101        | 105                   | 1.73        | C142        | 146                   | 2.51        | C196        | 200                   | 3.44        |
| C61         | 65                    | 1.05        | C102        | 106                   | 1.75        | C143        | 147                   | 2.53        | C197        | 201                   | 3.48        |
| C62         | 66                    | 1.07        | C103        | 107                   | 1.77        | C144        | 148                   | 2.55        | C202        | 206                   | 3.55        |
| C63         | 67                    | 1.09        | C104        | 108                   | 1.78        | C145        | 149                   | 2.56        | C206        | 210                   | 3.61        |
| C64         | 68                    | 1.10        | C105        | 109                   | 1.80        | C147        | 151                   | 2.60        | C207        | 211                   | 3.63        |
| C65         | 69                    | 1.12        | C106        | 110                   | 1.82        | C150        | 154                   | 2.65        | C210        | 214                   | 3.68        |
| C66         | 70                    | 1.14        | C107        | 111                   | 1.83        | C151        | 155                   | 2.67        | C212        | 216                   | 3.72        |
| C67         | 71                    | 1.16        | C108        | 112                   | 1.85        | C152        | 156                   | 2.68        | C214        | 218                   | 3.75        |
| C68         | 72                    | 1.17        | C109        | 113                   | 1.87        | C153        | 157                   | 2.70        | C218        | 222                   | 3.82        |
| C69         | 73                    | 1.19        | C110        | 114                   | 1.88        | C154        | 158                   | 2.72        | C225        | 227                   | 3.94        |
| C70         | 74                    | 1.21        | C111        | 115                   | 1.90        | C155        | 159                   | 2.74        | C235        | 237                   | 4.00        |
| C71         | 75                    | 1.22        | C112        | 116                   | 1.92        | C156        | 160                   | 2.75        | C240        | 242                   | 4.19        |
| C73         | 77                    | 1.26        | C113        | 117                   | 1.93        | C158        | 162                   | 2.79        | C246        | 248                   | 4.30        |
| C74         | 78                    | 1.28        | C114        | 118                   | 1.95        | C160        | 164                   | 2.82        | C250        | 252                   | 4.38        |
| C75         | 79                    | 1.29        | C115        | 119                   | 1.97        | C162        | 166                   | 2.86        | C255        | 257                   | 4.45        |
| C76         | 80                    | 1.31        | C116        | 120                   | 1.98        | C163        | 167                   | 2.88        | C270        | 272                   | 4.70        |
| C78         | 82                    | 1.34        | C117        | 121                   | 2.00        | C164        | 168                   | 2.89        | C280        | 282                   | 4.87        |
| C80         | 84                    | 1.38        | C118        | 122                   | 2.02        | C165        | 169                   | 2.91        | C285        | 287                   | 4.95        |
| C81         | 85                    | 1.39        | C119        | 123                   | 2.04        | C166        | 170                   | 2.92        | C300        | 302                   | 5.20        |
| C82         | 86                    | 1.41        | C120        | 124                   | 2.05        | C167        | 171                   | 2.94        | C315        | 317                   | 5.45        |
| C83         | 87                    | 1.43        | C122        | 126                   | 2.09        | C168        | 172                   | 2.96        | C320        | 322                   | 5.54        |
| C84         | 88                    | 1.45        | C124        | 128                   | 2.12        | C169        | 173                   | 2.98        | C345        | 347                   | 4.28        |
| C85         | 89                    | 1.46        | C125        | 129                   | 2.14        | C170        | 174                   | 3.00        | C360        | 362                   | 6.20        |
| C86         | 90                    | 1.48        | C126        | 130                   | 2.15        | C171        | 175                   | 3.02        | C390        | 392                   | 6.69        |

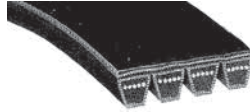
# MasterDrive® Classical V-Belts

## CX V-Belts



| <b>"CX"</b><br><b>Cogged V-Belts</b><br>Outside |                  |                |
|-------------------------------------------------|------------------|----------------|
| Belt<br>P/N                                     | Length<br>(inch) | Approx.<br>Wt. |
| CX51                                            | 55               | 0.89           |
| CX60                                            | 64               | 1.05           |
| CX68                                            | 72               | 1.22           |
| CX75                                            | 79               | 1.37           |
| CX81                                            | 85               | 1.51           |
| CX85                                            | 89               | 1.60           |
| CX90                                            | 94               | 1.72           |
| CX95                                            | 99               | 1.84           |
| CX96                                            | 100              | 1.87           |
| CX100                                           | 104              | 1.97           |
| CX101                                           | 105              | 1.99           |
| CX109                                           | 113              | 2.20           |
| CX112                                           | 116              | 2.28           |
| CX115                                           | 119              | 2.36           |
| CX124                                           | 128              | 2.57           |
| CX126                                           | 130              | 2.61           |
| CX128                                           | 132              | 2.65           |
| CX132                                           | 136              | 2.72           |
| CX136                                           | 140              | 2.80           |
| CX144                                           | 148              | 2.95           |
| CX150                                           | 154              | 3.06           |
| CX158                                           | 162              | 3.20           |
| CX162                                           | 166              | 3.28           |
| CX173                                           | 177              | 3.47           |
| CX180                                           | 184              | 3.60           |
| CX195                                           | 199              | 3.85           |
| CX210                                           | 214              | 4.11           |
| CX225                                           | 227              | 4.35           |
| CX240                                           | 242              | 4.60           |

## MasterDrive® Classical V-Belts C Banded V-Belts



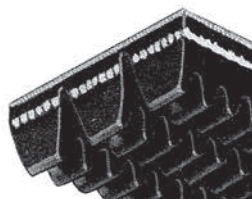
| “C” Banded V-Belts |                       |             |
|--------------------|-----------------------|-------------|
| Belt P/N           | Outside Length (inch) | Approx. Wt. |
| 4/C68              | 72                    | 6.64        |
| 5/C68              | 72                    | 8.30        |
| 3/C71              | 75                    | 5.20        |
| 4/C71              | 75                    | 6.93        |
| 5/C71              | 75                    | 8.66        |
| 2/C75              | 79                    | 3.66        |
| 3/C75              | 79                    | 5.49        |
| 4/C75              | 79                    | 7.32        |
| 2/C81              | 85                    | 3.95        |
| 3/C81              | 85                    | 5.93        |
| 4/C81              | 85                    | 7.90        |
| 5/C81              | 85                    | 9.88        |
| 2/C85              | 89                    | 4.15        |
| 3/C85              | 89                    | 6.22        |
| 5/C85              | 89                    | 10.37       |
| 2/C90              | 94                    | 4.39        |
| 3/C90              | 94                    | 6.59        |
| 4/C90              | 94                    | 8.78        |
| 5/C90              | 94                    | 10.98       |
| 2/C96              | 100                   | 4.68        |
| 3/C96              | 100                   | 7.03        |
| 4/C96              | 100                   | 9.37        |
| 5/C96              | 100                   | 11.71       |
| 2/C97              | 101                   | 4.73        |
| 4/C97              | 101                   | 9.47        |
| 5/C97              | 101                   | 11.84       |
| 2/C99              | 103                   | 4.83        |
| 3/C99              | 103                   | 7.25        |
| 4/C99              | 103                   | 9.66        |
| 2/C100             | 104                   | 4.88        |
| 3/C100             | 104                   | 7.32        |
| 4/C100             | 104                   | 9.76        |
| 5/C100             | 104                   | 12.20       |
| 2/C105             | 109                   | 5.12        |
| 3/C105             | 109                   | 7.69        |
| 4/C105             | 109                   | 10.25       |
| 5/C105             | 109                   | 12.81       |

| “C” Banded V-Belts |                       |             |
|--------------------|-----------------------|-------------|
| Belt P/N           | Outside Length (inch) | Approx. Wt. |
| 2/C108             | 112                   | 5.27        |
| 3/C108             | 112                   | 7.90        |
| 4/C108             | 112                   | 10.54       |
| 2/C109             | 113                   | 5.32        |
| 3/C109             | 113                   | 7.98        |
| 4/C109             | 113                   | 10.64       |
| 5/C109             | 113                   | 13.30       |
| 2/C112             | 116                   | 5.46        |
| 3/C112             | 116                   | 8.20        |
| 4/C112             | 116                   | 10.93       |
| 5/C112             | 116                   | 13.67       |
| 2/C120             | 124                   | 5.85        |
| 3/C120             | 124                   | 8.78        |
| 4/C120             | 124                   | 11.71       |
| 5/C120             | 124                   | 14.64       |
| 2/C124             | 128                   | 6.05        |
| 3/C124             | 128                   | 9.08        |
| 4/C124             | 128                   | 12.10       |
| 5/C124             | 128                   | 15.13       |
| 2/C128             | 132                   | 6.24        |
| 3/C128             | 132                   | 9.37        |
| 4/C128             | 132                   | 12.49       |
| 5/C128             | 132                   | 15.62       |
| 2/C136             | 140                   | 6.64        |
| 3/C136             | 140                   | 9.96        |
| 4/C136             | 140                   | 13.28       |
| 5/C136             | 140                   | 16.60       |
| 2/C144             | 148                   | 7.03        |
| 3/C144             | 148                   | 10.54       |
| 4/C144             | 148                   | 14.06       |
| 5/C144             | 148                   | 17.57       |
| 2/C158             | 162                   | 7.71        |
| 3/C158             | 162                   | 11.57       |
| 4/C158             | 162                   | 15.42       |
| 5/C158             | 162                   | 19.28       |

| “C” Banded V-Belts |                       |             |
|--------------------|-----------------------|-------------|
| Belt P/N           | Outside Length (inch) | Approx. Wt. |
| 2/C162             | 166                   | 7.90        |
| 3/C162             | 166                   | 11.86       |
| 4/C162             | 166                   | 15.81       |
| 5/C162             | 166                   | 19.77       |
| 2/C173             | 177                   | 8.44        |
| 3/C173             | 177                   | 12.67       |
| 4/C173             | 177                   | 16.89       |
| 5/C173             | 177                   | 21.11       |
| 4/C180             | 184                   | 17.57       |
| 5/C180             | 184                   | 21.97       |
| 2/C195             | 199                   | 9.52        |
| 3/C195             | 199                   | 14.28       |
| 4/C195             | 199                   | 19.04       |
| 2/C210             | 214                   | 10.25       |
| 3/C210             | 214                   | 15.37       |
| 4/C210             | 214                   | 20.50       |
| 5/C210             | 214                   | 25.63       |
| 2/C225             | 227                   | 10.98       |
| 3/C225             | 227                   | 16.47       |
| 4/C225             | 227                   | 21.97       |
| 5/C225             | 227                   | 27.46       |
| 2/C240             | 242                   | 11.71       |
| 3/C240             | 242                   | 17.57       |
| 4/C240             | 242                   | 23.43       |
| 5/C240             | 242                   | 29.29       |
| 2/C255             | 257                   | 12.45       |
| 3/C255             | 257                   | 18.67       |
| 4/C255             | 257                   | 24.90       |
| 5/C255             | 257                   | 31.12       |
| 2/C270             | 272                   | 13.18       |
| 3/C270             | 272                   | 19.77       |
| 4/C270             | 272                   | 26.36       |
| 5/C270             | 272                   | 32.95       |

| “C” Banded V-Belts |                       |             |
|--------------------|-----------------------|-------------|
| Belt P/N           | Outside Length (inch) | Approx. Wt. |
| 2/C285             | 287                   | 13.91       |
| 3/C285             | 287                   | 20.87       |
| 4/C285             | 287                   | 27.82       |
| 2/C300             | 302                   | 14.64       |
| 3/C300             | 302                   | 21.97       |
| 4/C300             | 302                   | 29.29       |
| 5/C300             | 302                   | 36.61       |
| 2/C315             | 317                   | 15.37       |
| 3/C315             | 317                   | 23.06       |
| 4/C315             | 317                   | 30.75       |
| 5/C315             | 317                   | 38.44       |
| 2/C330             | 332                   | 16.11       |
| 3/C330             | 332                   | 24.16       |
| 4/C330             | 332                   | 32.22       |
| 5/C330             | 332                   | 40.27       |
| 2/C345             | 347                   | 16.84       |
| 4/C345             | 347                   | 33.68       |
| 5/C345             | 347                   | 42.11       |
| 2/C360             | 362                   | 17.57       |
| 3/C360             | 362                   | 26.36       |
| 4/C360             | 362                   | 35.15       |
| 5/C360             | 362                   | 43.94       |
| 2/C390             | 392                   | 19.04       |
| 3/C390             | 392                   | 28.56       |
| 4/C390             | 392                   | 38.08       |
| 5/C390             | 392                   | 47.60       |
| 3/C420             | 422                   | 30.75       |
| 4/C420             | 422                   | 41.01       |
| 5/C420             | 422                   | 51.26       |

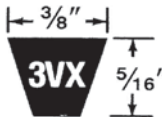
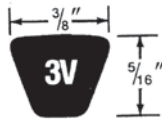
## MasterDrive® Classical Cogged V-Belts **CX Banded V-Belts**



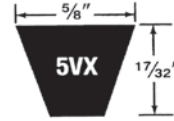
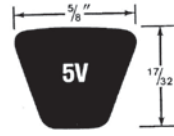
| <b>"CX" V-Belts Cogged</b> |         |         |
|----------------------------|---------|---------|
|                            | Outside |         |
| Belt                       | Length  | Approx. |
| P/N                        | (inch)  | Wt.     |
| 2/CX112                    | 116     | 5.54    |
| 4/CX112                    | 116     | 11.09   |
| 2/CX173                    | 177     | 8.56    |
| 5/CX173                    | 177     | 21.41   |



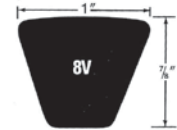
## MasterDrive® Wedge and Cogged Raw Edge V-Belts **3V & 3VX, 5V & 5VX, 8V Belts**



**“3V & 3VX” V-Belts**



**“5V & 5VX” V-Belts**



**“8V” V-Belts**

| “3V” Belts |                       |             |
|------------|-----------------------|-------------|
| Belt P/N   | Outside Length (inch) | Approx. Wt. |
| 3V250      | 25                    | 0.11        |
| 3V265      | 26.5                  | 0.12        |
| 3V280      | 28                    | 0.13        |
| 3V300      | 30                    | 0.14        |
| 3V315      | 31.5                  | 0.14        |
| 3V335      | 33.5                  | 0.15        |
| 3V355      | 35.5                  | 0.16        |
| 3V375      | 37.5                  | 0.17        |
| 3V400      | 40                    | 0.18        |
| 3V450      | 45                    | 0.21        |
| 3V475      | 47.5                  | 0.22        |
| 3V500      | 50                    | 0.23        |
| 3V530      | 53                    | 0.24        |
| 3V560      | 56                    | 0.26        |
| 3V600      | 60                    | 0.28        |
| 3V630      | 63                    | 0.29        |
| 3V670      | 67                    | 0.31        |
| 3V710      | 71                    | 0.33        |
| 3V750      | 75                    | 0.35        |
| 3V800      | 80                    | 0.37        |
| 3V850      | 85                    | 0.39        |
| 3V900      | 90                    | 0.42        |
| 3V950      | 95                    | 0.44        |
| 3V1000     | 100                   | 0.46        |
| 3V1060     | 106                   | 0.49        |
| 3V1120     | 112                   | 0.52        |
| 3V1180     | 118                   | 0.55        |
| 3V1250     | 125                   | 0.58        |
| 3V1320     | 132                   | 0.61        |
| 3V1400     | 140                   | 0.70        |

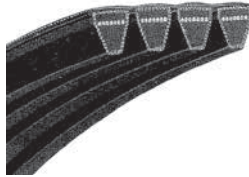
| “3VX” Cogged Belts |                       |             |
|--------------------|-----------------------|-------------|
| Belt P/N           | Outside Length (inch) | Approx. Wt. |
| 3VX250             | 25                    | 0.10        |
| 3VX265             | 26.5                  | 0.10        |
| 3VX280             | 28                    | 0.11        |
| 3VX300             | 30                    | 0.12        |
| 3VX315             | 31.5                  | 0.12        |
| 3VX335             | 33.5                  | 0.13        |
| 3VX355             | 35.5                  | 0.14        |
| 3VX375             | 37.5                  | 0.15        |
| 3VX400             | 40                    | 0.16        |
| 3VX425             | 42.5                  | 0.17        |
| 3VX450             | 45                    | 0.18        |
| 3VX475             | 47.5                  | 0.19        |
| 3VX500             | 50                    | 0.20        |
| 3VX520             | 52                    | 0.23        |
| 3VX530             | 53                    | 0.21        |
| 3VX560             | 56                    | 0.22        |
| 3VX600             | 60                    | 0.24        |
| 3VX630             | 63                    | 0.25        |
| 3VX670             | 67                    | 0.26        |
| 3VX710             | 71                    | 0.28        |
| 3VX750             | 75                    | 0.30        |
| 3VX800             | 80                    | 0.32        |
| 3VX850             | 85                    | 0.34        |
| 3VX900             | 90                    | 0.36        |
| 3VX950             | 95                    | 0.38        |
| 3VX1000            | 100                   | 0.40        |
| 3VX1060            | 106                   | 0.42        |
| 3VX1120            | 112                   | 0.44        |
| 3VX1180            | 118                   | 0.47        |
| 3VX1250            | 125                   | 0.50        |
| 3VX1320            | 132                   | 0.52        |
| 3VX1400            | 140                   | 0.56        |

| “5V” Belts |                       |             |
|------------|-----------------------|-------------|
| Belt P/N   | Outside Length (inch) | Approx. Wt. |
| 5V500      | 50                    | 0.61        |
| 5V530      | 53                    | 0.65        |
| 5V560      | 56                    | 0.68        |
| 5V600      | 60                    | 0.73        |
| 5V630      | 63                    | 0.77        |
| 5V670      | 67                    | 0.82        |
| 5V710      | 71                    | 0.87        |
| 5V750      | 75                    | 0.92        |
| 5V800      | 80                    | 0.98        |
| 5V850      | 85                    | 1.04        |
| 5V900      | 90                    | 1.10        |
| 5V950      | 95                    | 1.16        |
| 5V1000     | 100                   | 1.23        |
| 5V1060     | 106                   | 1.30        |
| 5V1120     | 112                   | 1.37        |
| 5V1180     | 118                   | 1.45        |
| 5V1250     | 125                   | 1.53        |
| 5V1320     | 132                   | 1.62        |
| 5V1400     | 140                   | 1.80        |
| 5V1500     | 150                   | 1.93        |
| 5V1600     | 160                   | 2.06        |
| 5V1700     | 170                   | 2.19        |
| 5V1800     | 180                   | 2.32        |
| 5V1900     | 190                   | 2.44        |
| 5V2000     | 200                   | 2.57        |
| 5V2120     | 212                   | 2.73        |
| 5V2240     | 224                   | 2.88        |
| 5V2360     | 236                   | 3.04        |
| 5V2500     | 250                   | 3.22        |
| 5V2650     | 265                   | 3.41        |
| 5V2800     | 280                   | 3.60        |
| 5V3000     | 300                   | 3.86        |
| 5V3150     | 315                   | 4.06        |
| 5V3350     | 335                   | 4.31        |
| 5V3550     | 355                   | 4.57        |

| “5VX” Cogged Belts |                       |             |
|--------------------|-----------------------|-------------|
| Belt P/N           | Outside Length (inch) | Approx. Wt. |
| 5VX500             | 50                    | 0.51        |
| 5VX530             | 53                    | 0.55        |
| 5VX560             | 56                    | 0.58        |
| 5VX630             | 63                    | 0.65        |
| 5VX670             | 67                    | 0.69        |
| 5VX710             | 71                    | 0.73        |
| 5VX750             | 75                    | 0.84        |
| 5VX800             | 80                    | 0.90        |
| 5VX850             | 85                    | 0.96        |
| 5VX900             | 90                    | 1.01        |
| 5VX950             | 95                    | 1.07        |
| 5VX1000            | 100                   | 1.13        |
| 5VX1030            | 103                   | 1.17        |
| 5VX1060            | 106                   | 1.20        |
| 5VX1120            | 112                   | 1.26        |
| 5VX1180            | 118                   | 1.33        |
| 5VX1250            | 125                   | 1.41        |
| 5VX1320            | 132                   | 1.49        |
| 5VX1400            | 140                   | 1.58        |
| 5VX1500            | 150                   | 1.69        |
| 5VX1600            | 160                   | 1.84        |
| 5VX1700            | 170                   | 1.95        |
| 5VX1900            | 190                   | 2.18        |
| 5VX2000            | 200                   | 2.30        |

| “8V” Belts |                       |             |
|------------|-----------------------|-------------|
| Belt P/N   | Outside Length (inch) | Approx. Wt. |
| 8V1000     | 100                   | 3.10        |
| 8V1060     | 106                   | 3.28        |
| 8V1120     | 112                   | 3.47        |
| 8V1180     | 118                   | 3.65        |
| 8V1250     | 125                   | 3.87        |
| 8V1320     | 132                   | 4.09        |
| 8V1400     | 140                   | 4.55        |
| 8V1500     | 150                   | 4.87        |
| 8V1600     | 160                   | 5.20        |
| 8V1700     | 170                   | 5.52        |
| 8V1800     | 180                   | 5.85        |
| 8V1900     | 190                   | 6.17        |
| 8V2000     | 200                   | 6.50        |
| 8V2120     | 212                   | 6.89        |
| 8V2240     | 224                   | 7.28        |
| 8V2360     | 236                   | 7.67        |
| 8V2500     | 250                   | 8.12        |
| 8V2800     | 280                   | 9.06        |
| 8V3000     | 300                   | 9.71        |
| 8V3150     | 315                   | 10.19       |
| 8V3350     | 335                   | 10.84       |
| 8V3550     | 355                   | 11.49       |
| 8V3750     | 375                   | 12.14       |
| 8V4000     | 400                   | 12.95       |
| 8V4250     | 425                   | 13.75       |

# MasterDrive® Wedge and Cogged Raw Edge V-Belts **3V Banded Belts**

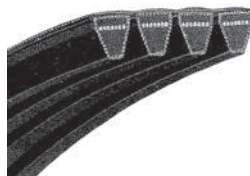


| <b>"3V" Banded Belts</b> |                       |             |
|--------------------------|-----------------------|-------------|
| Belt P/N                 | Outside Length (inch) | Approx. Wt. |
| 2/3V450                  | 45                    | 0.55        |
| 3/3V450                  | 45                    | 0.80        |
| 4/3V450                  | 45                    | 1.11        |
| 5/3V450                  | 45                    | 1.39        |
| 3/3V475                  | 47.5                  | 0.85        |
| 2/3V500                  | 50                    | 0.61        |
| 3/3V500                  | 50                    | 0.89        |
| 4/3V500                  | 50                    | 1.23        |
| 5/3V500                  | 50                    | 1.54        |
| 2/3V530                  | 53                    | 0.65        |
| 3/3V530                  | 53                    | 0.95        |
| 4/3V530                  | 53                    | 1.30        |
| 5/3V530                  | 53                    | 1.63        |
| 2/3V560                  | 56                    | 0.69        |
| 3/3V560                  | 56                    | 1.00        |
| 4/3V560                  | 56                    | 1.38        |
| 2/3V600                  | 60                    | 0.74        |
| 3/3V600                  | 60                    | 1.07        |
| 4/3V600                  | 60                    | 1.48        |
| 5/3V600                  | 60                    | 1.85        |
| 2/3V630                  | 63                    | 0.77        |
| 3/3V630                  | 63                    | 1.12        |
| 4/3V630                  | 63                    | 1.55        |

| <b>"3V" Banded Belts</b> |                       |             |
|--------------------------|-----------------------|-------------|
| Belt P/N                 | Outside Length (inch) | Approx. Wt. |
| 2/3V670                  | 67                    | 0.82        |
| 3/3V670                  | 67                    | 1.20        |
| 4/3V670                  | 67                    | 1.65        |
| 5/3V670                  | 67                    | 2.06        |
| 2/3V710                  | 71                    | 0.87        |
| 3/3V710                  | 71                    | 1.27        |
| 4/3V710                  | 71                    | 1.75        |
| 5/3V710                  | 71                    | 2.19        |
| 2/3V750                  | 75                    | 0.92        |
| 3/3V750                  | 75                    | 1.34        |
| 5/3V750                  | 75                    | 2.31        |
| 2/3V800                  | 80                    | 0.98        |
| 3/3V800                  | 80                    | 1.43        |
| 4/3V800                  | 80                    | 1.97        |
| 5/3V800                  | 80                    | 2.47        |
| 2/3V850                  | 85                    | 1.05        |
| 3/3V850                  | 85                    | 1.55        |
| 4/3V850                  | 85                    | 2.10        |
| 3/3V900                  | 90                    | 1.61        |
| 4/3V900                  | 90                    | 2.22        |
| 5/3V900                  | 90                    | 2.77        |
| 4/3V950                  | 95                    | 2.34        |
| 5/3V950                  | 95                    | 2.93        |

| <b>"3V" Banded Belts</b> |                       |             |
|--------------------------|-----------------------|-------------|
| Belt P/N                 | Outside Length (inch) | Approx. Wt. |
| 3/3V1000                 | 100                   | 1.78        |
| 4/3V1000                 | 100                   | 2.47        |
| 5/3V1000                 | 100                   | 3.08        |
| 4/3V1060                 | 106                   | 2.45        |
| 5/3V1060                 | 106                   | 3.07        |
| 2/3V1120                 | 112                   | 1.29        |
| 3/3V1120                 | 112                   | 2.00        |
| 4/3V1120                 | 112                   | 2.59        |
| 5/3V1120                 | 112                   | 3.24        |
| 2/3V1180                 | 118                   | 1.36        |
| 3/3V1180                 | 118                   | 2.11        |
| 3/3V1250                 | 125                   | 2.23        |
| 4/3V1250                 | 125                   | 2.90        |
| 5/3V1250                 | 125                   | 3.62        |
| 3/3V1400                 | 140                   | 2.50        |
| 4/3V1400                 | 140                   | 3.28        |

## MasterDrive® Wedge and Cogged Raw Edge V-Belts **5V Banded Belts**



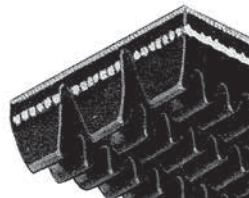
| <b>“5V” Banded Belts</b> |               |             |
|--------------------------|---------------|-------------|
| Outside                  |               |             |
| Belt P/N                 | Length (inch) | Approx. Wt. |
| 2/5V630                  | 63            | 1.81        |
| 3/5V630                  | 63            | 2.71        |
| 4/5V630                  | 63            | 3.62        |
| 5/5V630                  | 63            | 4.53        |
| 2/5V670                  | 67            | 1.92        |
| 3/5V670                  | 67            | 2.89        |
| 4/5V670                  | 67            | 3.85        |
| 5/5V670                  | 67            | 4.81        |
| 2/5V710                  | 71            | 2.04        |
| 3/5V710                  | 71            | 3.06        |
| 4/5V710                  | 71            | 4.08        |
| 5/5V710                  | 71            | 5.10        |
| 2/5V750                  | 75            | 2.15        |
| 3/5V750                  | 75            | 3.23        |
| 4/5V750                  | 75            | 4.31        |
| 5/5V750                  | 75            | 5.39        |
| 2/5V800                  | 80            | 2.30        |
| 3/5V800                  | 80            | 3.45        |
| 4/5V800                  | 80            | 4.60        |
| 5/5V800                  | 80            | 5.75        |
| 2/5V850                  | 85            | 2.44        |
| 3/5V850                  | 85            | 3.66        |
| 4/5V850                  | 85            | 4.89        |
| 5/5V850                  | 85            | 6.11        |
| 2/5V900                  | 90            | 2.58        |
| 3/5V900                  | 90            | 3.88        |
| 4/5V900                  | 90            | 5.17        |
| 5/5V900                  | 90            | 6.47        |
| 2/5V950                  | 95            | 2.73        |
| 3/5V950                  | 95            | 4.10        |
| 4/5V950                  | 95            | 5.46        |
| 5/5V950                  | 95            | 6.83        |
| 2/5V1000                 | 100           | 2.87        |
| 4/5V1000                 | 100           | 5.75        |
| 5/5V1000                 | 100           | 7.19        |

| <b>“5V” Banded Belts</b> |               |             |
|--------------------------|---------------|-------------|
| Outside                  |               |             |
| Belt P/N                 | Length (inch) | Approx. Wt. |
| 2/5V1060                 | 106           | 3.05        |
| 3/5V1060                 | 106           | 4.57        |
| 4/5V1060                 | 106           | 6.10        |
| 2/5V1120                 | 112           | 3.22        |
| 3/5V1120                 | 112           | 4.83        |
| 4/5V1120                 | 112           | 6.44        |
| 5/5V1120                 | 112           | 8.05        |
| 2/5V1180                 | 118           | 3.39        |
| 3/5V1180                 | 118           | 5.09        |
| 4/5V1180                 | 118           | 6.79        |
| 5/5V1180                 | 118           | 8.48        |
| 2/5V1250                 | 125           | 3.58        |
| 3/5V1250                 | 125           | 5.37        |
| 4/5V1250                 | 125           | 7.16        |
| 5/5V1250                 | 125           | 8.95        |
| 2/5V1320                 | 132           | 3.78        |
| 3/5V1320                 | 132           | 5.67        |
| 4/5V1320                 | 132           | 7.56        |
| 5/5V1320                 | 132           | 9.46        |
| 2/5V1400                 | 140           | 4.01        |
| 3/5V1400                 | 140           | 6.02        |
| 4/5V1400                 | 140           | 8.02        |
| 2/5V1500                 | 150           | 4.30        |
| 3/5V1500                 | 150           | 6.45        |
| 4/5V1500                 | 150           | 8.60        |
| 5/5V1500                 | 150           | 10.75       |
| 2/5V1600                 | 160           | 4.58        |
| 3/5V1600                 | 160           | 6.88        |
| 4/5V1600                 | 160           | 9.17        |
| 5/5V1600                 | 160           | 11.46       |

| <b>“5V” Banded Belts</b> |               |             |
|--------------------------|---------------|-------------|
| Outside                  |               |             |
| Belt P/N                 | Length (inch) | Approx. Wt. |
| 2/5V1700                 | 170           | 4.87        |
| 3/5V1700                 | 170           | 7.31        |
| 4/5V1700                 | 170           | 9.74        |
| 5/5V1700                 | 170           | 12.18       |
| 2/5V1800                 | 180           | 5.16        |
| 3/5V1800                 | 180           | 7.74        |
| 5/5V1800                 | 180           | 12.90       |
| 2/5V1900                 | 190           | 5.44        |
| 3/5V1900                 | 190           | 8.17        |
| 4/5V1900                 | 190           | 10.89       |
| 5/5V1900                 | 190           | 13.61       |
| 2/5V2000                 | 200           | 5.73        |
| 3/5V2000                 | 200           | 8.60        |
| 4/5V2000                 | 200           | 11.46       |
| 5/5V2000                 | 200           | 14.33       |
| 2/5V2120                 | 212           | 6.07        |
| 3/5V2120                 | 212           | 9.11        |
| 4/5V2120                 | 212           | 12.15       |
| 5/5V2120                 | 212           | 15.19       |
| 2/5V2240                 | 240           | 6.80        |
| 3/5V2240                 | 240           | 10.20       |
| 4/5V2240                 | 240           | 13.60       |
| 5/5V2240                 | 240           | 17.00       |
| 2/5V2360                 | 236           | 7.16        |
| 3/5V2360                 | 236           | 10.75       |
| 5/5V2360                 | 236           | 17.91       |
| 3/5V2500                 | 250           | 11.38       |
| 4/5V2500                 | 250           | 15.18       |
| 5/5V2500                 | 250           | 18.98       |

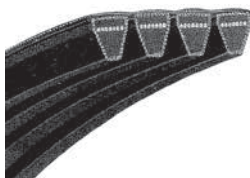
| <b>“5V” Banded Belts</b> |               |             |
|--------------------------|---------------|-------------|
| Outside                  |               |             |
| Belt P/N                 | Length (inch) | Approx. Wt. |
| 2/5V2650                 | 265           | 8.04        |
| 3/5V2650                 | 265           | 12.07       |
| 4/5V2650                 | 265           | 16.09       |
| 5/5V2650                 | 265           | 20.12       |
| 2/5V2800                 | 280           | 8.50        |
| 3/5V2800                 | 280           | 12.75       |
| 4/5V2800                 | 280           | 17.00       |
| 2/5V3000                 | 300           | 9.11        |
| 3/5V3000                 | 300           | 13.66       |
| 4/5V3000                 | 300           | 18.22       |
| 5/5V3000                 | 300           | 22.77       |
| 2/5V3150                 | 315           | 9.56        |
| 3/5V3150                 | 315           | 14.35       |
| 4/5V3150                 | 315           | 19.13       |
| 5/5V3150                 | 315           | 23.91       |
| 2/5V3350                 | 335           | 10.17       |
| 3/5V3350                 | 335           | 15.26       |
| 4/5V3350                 | 335           | 20.34       |
| 5/5V3350                 | 335           | 25.43       |
| 2/5V3550                 | 355           | 10.78       |
| 3/5V3550                 | 355           | 16.17       |
| 4/5V3550                 | 355           | 21.56       |

# MasterDrive® Wedge and Cogged Raw Edge V-Belts **5VX Banded Belts**



| <b>“5VX” Banded Belts</b> |                             |                | <b>“5VX” Banded Belts</b> |                             |                |
|---------------------------|-----------------------------|----------------|---------------------------|-----------------------------|----------------|
| Belt<br>P/N               | Outside<br>Length<br>(inch) | Approx.<br>Wt. | Belt<br>P/N               | Outside<br>Length<br>(inch) | Approx.<br>Wt. |
| 2/5VX1000                 | 100                         | 2.88           | 2/5VX1500                 | 150                         | 4.59           |
| 3/5VX1000                 | 100                         | 4.32           | 3/5VX1500                 | 150                         | 6.89           |
| 4/5VX1000                 | 100                         | 5.76           | 4/5VX1500                 | 150                         | 9.18           |
| 5/5VX1000                 | 100                         | 7.20           | 5/5VX1500                 | 150                         | 11.48          |
| 2/5VX1060                 | 106                         | 3.05           | 2/5VX1600                 | 160                         | 4.90           |
| 3/5VX1060                 | 106                         | 4.58           | 3/5VX1600                 | 160                         | 7.35           |
| 4/5VX1060                 | 106                         | 6.10           | 4/5VX1600                 | 160                         | 9.80           |
| 5/5VX1060                 | 106                         | 7.63           | 5/5VX1600                 | 160                         | 12.25          |
| 2/5VX1120                 | 112                         | 3.22           | 2/5VX1700                 | 170                         | 5.20           |
| 3/5VX1120                 | 112                         | 4.84           | 3/5VX1700                 | 170                         | 7.80           |
| 4/5VX1120                 | 112                         | 6.45           | 4/5VX1700                 | 170                         | 10.40          |
| 5/5VX1120                 | 112                         | 8.06           | 5/5VX1700                 | 170                         | 13.00          |
| 2/5VX1180                 | 118                         | 3.40           | 2/5VX1800                 | 180                         | 5.50           |
| 3/5VX1180                 | 118                         | 5.10           | 3/5VX1800                 | 180                         | 8.25           |
| 4/5VX1180                 | 118                         | 6.80           | 4/5VX1800                 | 180                         | 11.01          |
| 5/5VX1180                 | 118                         | 8.50           | 5/5VX1800                 | 180                         | 13.76          |
| 2/5VX1250                 | 125                         | 3.60           | 2/5VX1900                 | 190                         | 5.81           |
| 3/5VX1250                 | 125                         | 5.40           | 3/5VX1900                 | 190                         | 8.71           |
| 4/5VX1250                 | 125                         | 7.20           | 4/5VX1900                 | 190                         | 11.62          |
| 5/5VX1250                 | 125                         | 9.00           | 5/5VX1900                 | 190                         | 14.52          |
| 2/5VX1320                 | 132                         | 3.80           | 2/5VX2000                 | 200                         | 6.11           |
| 3/5VX1320                 | 132                         | 5.70           | 3/5VX2000                 | 200                         | 9.17           |
| 4/5VX1320                 | 132                         | 7.60           | 4/5VX2000                 | 200                         | 12.23          |
| 5/5VX1320                 | 132                         | 9.50           | 5/5VX2000                 | 200                         | 15.29          |
| 2/5VX1400                 | 140                         | 4.28           |                           |                             |                |
| 3/5VX1400                 | 140                         | 6.43           |                           |                             |                |
| 4/5VX1400                 | 140                         | 8.57           |                           |                             |                |
| 5/5VX1400                 | 140                         | 10.71          |                           |                             |                |

## MasterDrive® Wedge and Cogged Raw Edge V-Belts **8V Banded Belts**



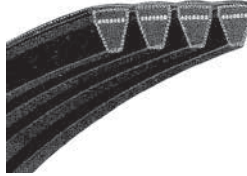
| <b>“8V” Banded Belts</b> |                       |             |
|--------------------------|-----------------------|-------------|
| Belt P/N                 | Outside Length (inch) | Approx. Wt. |
| 3/8V1000                 | 100                   | 11.02       |
| 3/8V1060                 | 106                   | 11.69       |
| 5/8V1060                 | 106                   | 19.48       |
| 3/8V1120                 | 112                   | 12.35       |
| 4/8V1120                 | 112                   | 16.47       |
| 5/8V1120                 | 112                   | 20.58       |
| 3/8V1180                 | 118                   | 13.01       |
| 4/8V1180                 | 118                   | 17.35       |
| 3/8V1250                 | 125                   | 13.78       |
| 4/8V1250                 | 125                   | 18.38       |
| 5/8V1250                 | 125                   | 22.97       |
| 3/8V1320                 | 132                   | 14.55       |
| 4/8V1320                 | 132                   | 19.41       |
| 5/8V1320                 | 132                   | 24.26       |
| 3/8V1400                 | 140                   | 15.44       |
| 4/8V1400                 | 140                   | 20.58       |
| 5/8V1400                 | 140                   | 25.73       |
| 3/8V1500                 | 150                   | 16.54       |
| 4/8V1500                 | 150                   | 22.05       |
| 5/8V1500                 | 150                   | 27.57       |
| 3/8V1600                 | 160                   | 17.64       |
| 4/8V1600                 | 160                   | 23.52       |
| 5/8V1600                 | 160                   | 29.41       |
| 3/8V1700                 | 170                   | 18.75       |
| 4/8V1700                 | 170                   | 25.00       |
| 5/8V1700                 | 170                   | 31.25       |
| 3/8V1800                 | 180                   | 19.85       |
| 4/8V1800                 | 180                   | 26.47       |
| 5/8V1800                 | 180                   | 33.08       |

| <b>“8V” Banded Belts</b> |                       |             |
|--------------------------|-----------------------|-------------|
| Belt P/N                 | Outside Length (inch) | Approx. Wt. |
| 3/8V1900                 | 190                   | 20.59       |
| 4/8V1900                 | 190                   | 27.45       |
| 5/8V1900                 | 190                   | 34.31       |
| 3/8V2000                 | 200                   | 21.67       |
| 4/8V2000                 | 200                   | 28.90       |
| 3/8V2120                 | 212                   | 22.97       |
| 4/8V2120                 | 212                   | 30.63       |
| 3/8V2240                 | 224                   | 24.27       |
| 4/8V2240                 | 224                   | 32.36       |
| 5/8V2240                 | 224                   | 40.46       |
| 4/8V2360                 | 236                   | 34.80       |
| 5/8V2360                 | 236                   | 43.50       |
| 3/8V2500                 | 250                   | 27.65       |
| 4/8V2500                 | 250                   | 36.86       |
| 5/8V2500                 | 250                   | 46.08       |
| 3/8V2650                 | 265                   | 29.30       |
| 4/8V2650                 | 265                   | 39.07       |
| 5/8V2650                 | 265                   | 48.84       |
| 3/8V2800                 | 280                   | 30.96       |
| 4/8V2800                 | 280                   | 41.29       |
| 5/8V2800                 | 280                   | 51.61       |
| 3/8V3000                 | 300                   | 33.18       |
| 4/8V3000                 | 300                   | 44.24       |
| 5/8V3000                 | 300                   | 55.30       |
| 4/8V3150                 | 315                   | 46.45       |
| 5/8V3150                 | 315                   | 58.06       |
| 3/8V3350                 | 335                   | 37.05       |
| 5/8V3350                 | 335                   | 61.75       |

| <b>“8V” Banded Belts</b> |                       |             |
|--------------------------|-----------------------|-------------|
| Belt P/N                 | Outside Length (inch) | Approx. Wt. |
| 3/8V3550                 | 355                   | 39.26       |
| 4/8V3550                 | 355                   | 52.35       |
| 5/8V3550                 | 355                   | 65.43       |
| 3/8V3750                 | 375                   | 41.47       |
| 4/8V3750                 | 375                   | 55.30       |
| 5/8V3750                 | 375                   | 69.12       |
| 3/8V4000                 | 400                   | 44.24       |
| 3/8V4250                 | 425                   | 47.00       |
| 4/8V4250                 | 425                   | 62.67       |
| 5/8V4250                 | 425                   | 78.34       |
| 3/8V4500                 | 450                   | 49.77       |
| 4/8V4500                 | 450                   | 66.36       |
| 5/8V4500                 | 450                   | 82.95       |



# MasterDrive® Aramid Fiber Raw Edge V-Belts 8VK Banded Belts



| “8VK” Banded Belts |                       |             | “8VK” Banded Belts |                       |             | “8VK” Banded Belts |                       |             | “8VK” Banded Belts |                       |             |
|--------------------|-----------------------|-------------|--------------------|-----------------------|-------------|--------------------|-----------------------|-------------|--------------------|-----------------------|-------------|
| Belt P/N           | Outside Length (inch) | Approx. Wt. | Belt P/N           | Outside Length (inch) | Approx. Wt. | Belt P/N           | Outside Length (inch) | Approx. Wt. | Belt P/N           | Outside Length (inch) | Approx. Wt. |
| 2/8VK1000          | 100                   | 6.58        | 2/8VK1700          | 170                   | 11.18       | 2/8VK2800          | 280                   | 18.42       | 2/8VK4750          | 475                   | 31.24       |
| 3/8VK1000          | 100                   | 9.87        | 3/8VK1700          | 170                   | 16.77       | 3/8VK2800          | 280                   | 27.63       | 3/8VK4750          | 475                   | 46.86       |
| 4/8VK1000          | 100                   | 13.16       | 4/8VK1700          | 170                   | 22.36       | 4/8VK2800          | 280                   | 36.84       | 4/8VK4750          | 475                   | 62.48       |
| 5/8VK1000          | 100                   | 16.48       | 5/8VK1700          | 170                   | 27.95       | 5/8VK2800          | 280                   | 46.05       | 5/8VK4750          | 475                   | 78.10       |
| 2/8VK1060          | 106                   | 6.98        | 2/8VK1800          | 180                   | 11.84       | 2/8VK3000          | 300                   | 19.74       | 2/8VK5000          | 500                   | 32.90       |
| 3/8VK1060          | 106                   | 10.47       | 3/8VK1800          | 180                   | 17.76       | 3/8VK3000          | 300                   | 29.61       | 3/8VK5000          | 500                   | 49.35       |
| 4/8VK1060          | 106                   | 13.96       | 4/8VK1800          | 180                   | 23.68       | 4/8VK3000          | 300                   | 39.48       | 4/8VK5000          | 500                   | 65.80       |
| 5/8VK1060          | 106                   | 17.45       | 5/8VK1800          | 180                   | 29.60       | 5/8VK3000          | 300                   | 49.35       | 5/8VK5000          | 500                   | 82.25       |
| 2/8VK1120          | 112                   | 7.36        | 2/8VK1900          | 190                   | 12.50       | 2/8VK3150          | 315                   | 20.72       | 2/8VK5600          | 560                   | 36.84       |
| 3/8VK1120          | 112                   | 11.04       | 3/8VK1900          | 190                   | 18.75       | 3/8VK3150          | 315                   | 31.08       | 3/8VK5600          | 560                   | 56.26       |
| 4/8VK1120          | 112                   | 14.72       | 4/8VK1900          | 190                   | 25.00       | 4/8VK3150          | 315                   | 41.44       | 4/8VK5600          | 560                   | 73.68       |
| 5/8VK1120          | 112                   | 18.40       | 5/8VK1900          | 190                   | 31.25       | 5/8VK3150          | 315                   | 51.80       | 5/8VK5600          | 560                   | 92.10       |
| 2/8VK1180          | 118                   | 7.76        | 2/8VK2000          | 200                   | 13.16       | 2/8VK3350          | 335                   | 22.04       | 2/8VK5900          | 590                   | 39.48       |
| 3/8VK1180          | 118                   | 11.64       | 3/8VK2000          | 200                   | 19.74       | 3/8VK3350          | 335                   | 33.06       | 3/8VK5900          | 590                   | 59.22       |
| 4/8VK1180          | 118                   | 15.52       | 4/8VK2000          | 200                   | 26.32       | 4/8VK3350          | 335                   | 44.08       | 4/8VK5900          | 590                   | 78.96       |
| 5/8VK1180          | 118                   | 19.40       | 5/8VK2000          | 200                   | 32.90       | 5/8VK3350          | 335                   | 55.10       | 5/8VK5900          | 590                   | 98.70       |
| 2/8VK1250          | 125                   | 8.22        | 2/8VK2120          | 212                   | 13.94       | 2/8VK3550          | 355                   | 23.36       | 2/8VK6000          | 600                   | 41.44       |
| 3/8VK1250          | 125                   | 12.33       | 3/8VK2120          | 212                   | 20.91       | 3/8VK3550          | 355                   | 35.04       | 3/8VK6000          | 600                   | 62.16       |
| 4/8VK1250          | 125                   | 16.44       | 4/8VK2120          | 212                   | 27.88       | 4/8VK3550          | 355                   | 46.72       | 4/8VK6000          | 600                   | 82.88       |
| 5/8VK1250          | 125                   | 20.55       | 5/8VK2120          | 212                   | 34.85       | 5/8VK3550          | 355                   | 58.40       | 5/8VK6000          | 600                   | 103.60      |
| 2/8VK1320          | 132                   | 8.68        | 2/8VK2240          | 224                   | 14.74       | 2/8VK3750          | 375                   | 24.66       | 2/8VK6600          | 660                   | 43.42       |
| 3/8VK1320          | 132                   | 13.02       | 3/8VK2240          | 224                   | 22.11       | 3/8VK3750          | 375                   | 36.99       | 3/8VK6600          | 660                   | 65.13       |
| 4/8VK1320          | 132                   | 17.36       | 4/8VK2240          | 224                   | 29.48       | 4/8VK3750          | 375                   | 49.32       | 4/8VK6600          | 660                   | 86.84       |
| 5/8VK1320          | 132                   | 21.70       | 5/8VK2240          | 224                   | 36.85       | 5/8VK3750          | 375                   | 61.65       | 5/8VK6600          | 660                   | 108.55      |
| 2/8VK1400          | 140                   | 9.20        | 2/8VK2360          | 236                   | 15.52       | 2/8VK4000          | 400                   | 26.32       |                    |                       |             |
| 3/8VK1400          | 140                   | 13.80       | 3/8VK2360          | 236                   | 23.28       | 3/8VK4000          | 400                   | 39.48       |                    |                       |             |
| 4/8VK1400          | 140                   | 18.40       | 4/8VK2360          | 236                   | 31.04       | 4/8VK4000          | 400                   | 52.64       |                    |                       |             |
| 5/8VK1400          | 140                   | 23.00       | 5/8VK2360          | 236                   | 38.80       | 5/8VK4000          | 400                   | 65.80       |                    |                       |             |
| 2/8VK1500          | 150                   | 9.86        | 2/8VK2500          | 250                   | 16.44       | 2/8VK4250          | 425                   | 27.96       |                    |                       |             |
| 3/8VK1500          | 150                   | 14.79       | 3/8VK2500          | 250                   | 24.66       | 3/8VK4250          | 425                   | 41.94       |                    |                       |             |
| 4/8VK1500          | 150                   | 19.72       | 4/8VK2500          | 250                   | 32.88       | 4/8VK4250          | 425                   | 55.92       |                    |                       |             |
| 5/8VK1500          | 150                   | 24.65       | 5/8VK2500          | 250                   | 41.10       | 5/8VK4250          | 425                   | 69.90       |                    |                       |             |
| 2/8VK1600          | 160                   | 10.52       | 2/8VK2650          | 265                   | 17.44       | 2/8VK4500          | 450                   | 29.60       |                    |                       |             |
| 3/8VK1600          | 160                   | 15.78       | 3/8VK2650          | 265                   | 26.16       | 3/8VK4500          | 450                   | 44.40       |                    |                       |             |
| 4/8VK1600          | 160                   | 21.04       | 4/8VK2650          | 265                   | 34.88       | 4/8VK4500          | 450                   | 59.20       |                    |                       |             |
| 5/8VK1600          | 160                   | 26.30       | 5/8VK2650          | 265                   | 43.60       | 5/8VK4500          | 450                   | 74.00       |                    |                       |             |

**150L075**

**Belt Pitch Length (inch)x10**

15"

**Belt Pitch**

3/8"

**Belt Width (inch)x100**

3/4"

**600-8M-50**

**Belt Pitch Length**

600MM

**Belt Pitch**

8MM

**Belt Width**

50MM

# MasterDrive® Timing Belts

## L Pitch

| Belt Type    | L                                           |              |                            |
|--------------|---------------------------------------------|--------------|----------------------------|
| Tooth Pitch  | 3/8"                                        |              |                            |
| Code (Width) | 050 (1/2") 075 (3/4") 100 (1") 150 (1 1/2") |              |                            |
| Size         | Product Code                                | No. of Teeth | Belt Pitch Length (Inches) |
|              | 124L                                        | 33           | 12.38                      |
|              | 150L                                        | 40           | 15.00                      |
|              | 165L                                        | 44           | 16.50                      |
|              | 180L                                        | 48           | 18.00                      |
|              | 187L                                        | 50           | 18.75                      |
|              | 210L                                        | 56           | 21.00                      |
|              | 225L                                        | 60           | 22.50                      |
|              | 240L                                        | 64           | 24.00                      |
|              | 255L                                        | 68           | 25.50                      |
|              | 270L                                        | 72           | 27.00                      |
|              | 285L                                        | 76           | 28.50                      |
|              | 300L                                        | 80           | 30.00                      |
|              | 322L                                        | 86           | 32.25                      |
|              | 345L                                        | 92           | 34.50                      |
|              | 360L                                        | 96           | 36.00                      |
|              | 367L                                        | 98           | 36.75                      |
|              | 375L                                        | 100          | 37.50                      |
|              | 390L                                        | 104          | 39.00                      |
|              | 394L                                        | 105          | 39.38                      |
|              | 420L                                        | 112          | 42.00                      |
|              | 435L                                        | 116          | 43.50                      |
|              | 450L                                        | 120          | 45.00                      |
|              | 480L                                        | 128          | 48.00                      |
|              | 510L                                        | 136          | 51.00                      |
|              | 540L                                        | 144          | 54.00                      |
|              | 600L                                        | 160          | 60.00                      |
|              | 630L                                        | 168          | 63.00                      |
|              | 934L                                        | 249          | 93.37                      |

## MasterDrive® Timing Belts H Pitch

| Belt Type    | H                                                  |              |                            | H                                                  |              |                            |
|--------------|----------------------------------------------------|--------------|----------------------------|----------------------------------------------------|--------------|----------------------------|
| Tooth Pitch  | 1/2"                                               |              |                            | 1/2"                                               |              |                            |
| Code (Width) | 075( 3/4") 100 (1") 150 (1 1/2") 200 (2") 300 (3") |              |                            | 075( 3/4") 100 (1") 150 (1 1/2") 200 (2") 300 (3") |              |                            |
| Size         | Product Code                                       | No. of Teeth | Belt Pitch Length (Inches) | Product Code                                       | No. of Teeth | Belt Pitch Length (Inches) |
|              | 240H                                               | 48           | 24.00                      | 600H                                               | 120          | 60.00                      |
|              | 255H                                               | 51           | 25.50                      | 1120H                                              | 224          | 112.00                     |
|              | 270H                                               | 54           | 27.00                      | 1130H                                              | 226          | 113.00                     |
|              | 280H                                               | 56           | 28.00                      | 630H                                               | 126          | 63.00                      |
|              | 300H                                               | 60           | 30.00                      | 650H                                               | 130          | 65.00                      |
|              | 310H                                               | 62           | 31.00                      | 660H                                               | 132          | 66.00                      |
|              | 330H                                               | 66           | 33.00                      | 680H                                               | 136          | 68.00                      |
|              | 360H                                               | 72           | 36.00                      | 700H                                               | 140          | 70.00                      |
|              | 390H                                               | 78           | 39.00                      | 750H                                               | 150          | 75.00                      |
|              | 400H                                               | 80           | 40.00                      | 770H                                               | 154          | 77.00                      |
|              | 410H                                               | 82           | 41.00                      | 800H                                               | 160          | 80.00                      |
|              | 420H                                               | 84           | 42.00                      | 850H                                               | 170          | 85.00                      |
|              | 430H                                               | 86           | 43.00                      | 900H                                               | 180          | 90.00                      |
|              | 450H                                               | 90           | 45.00                      | 950H                                               | 190          | 95.00                      |
|              | 480H                                               | 96           | 48.00                      | 1000H                                              | 200          | 100.00                     |
|              | 510H                                               | 102          | 51.00                      | 1100H                                              | 220          | 110.00                     |
|              | 540H                                               | 108          | 54.00                      | 1250H                                              | 250          | 125.00                     |
|              | 560H                                               | 112          | 56.00                      | 1400H                                              | 280          | 140.00                     |
|              | 570H                                               | 114          | 57.00                      | 1700H                                              | 340          | 170.00                     |

# MasterDrive® HTD Timing Belts

## 5M Pitch

| Belt Type    | 5M                          |              |                        |
|--------------|-----------------------------|--------------|------------------------|
| Tooth Pitch  | 5MM                         |              |                        |
| Code (Width) | 9 (9MM) 15 (15MM) 25 (25MM) |              |                        |
| Size         | Product Code                | No. of Teeth | Belt Pitch Length (mm) |
|              | 180-5M                      | 36           | 180                    |
|              | 340-5M                      | 68           | 340                    |
|              | 350-5M                      | 70           | 350                    |
|              | 400-5M                      | 80           | 400                    |
|              | 410-5M                      | 82           | 410                    |
|              | 420-5M                      | 84           | 420                    |
|              | 450-5M                      | 90           | 450                    |
|              | 475-5M                      | 95           | 475                    |
|              | 500-5M                      | 100          | 500                    |
|              | 520-5M                      | 104          | 520                    |
|              | 600-5M                      | 120          | 600                    |
|              | 670-5M                      | 134          | 670                    |
|              | 740-5M                      | 148          | 740                    |
|              | 770-5M                      | 154          | 770                    |
|              | 800-5M                      | 160          | 800                    |
|              | 835-5M                      | 167          | 835                    |
|              | 850-5M                      | 170          | 850                    |
|              | 920-5M                      | 184          | 920                    |
|              | 950-5M                      | 190          | 950                    |
|              | 965-5M                      | 193          | 965                    |
|              | 980-5M                      | 196          | 980                    |
|              | 1050-5M                     | 210          | 1050                   |
|              | 1270-5M                     | 254          | 1270                   |
|              | 1420-5M                     | 284          | 1420                   |
|              | 1690-5M                     | 338          | 1690                   |
|              | 1800-5M                     | 360          | 1800                   |
|              | 2000-5M                     | 400          | 2000                   |



## MasterDrive® HTD Timing Belts 8M Pitch

| Belt Type    | 8M                                      |              |                        | 8M                                      |              |                        |
|--------------|-----------------------------------------|--------------|------------------------|-----------------------------------------|--------------|------------------------|
| Tooth Pitch  | 8MM                                     |              |                        | 8MM                                     |              |                        |
| Code (Width) | 20 (20MM) 30 (30MM) 50 (50MM) 85 (85MM) |              |                        | 20 (20MM) 30 (30MM) 50 (50MM) 85 (85MM) |              |                        |
| Size         | Product Code                            | No. of Teeth | Belt Pitch Length (mm) | Product Code                            | No. of Teeth | Belt Pitch Length (mm) |
|              | 536-8M                                  | 67           | 536                    | 1152-8M                                 | 144          | 1152                   |
|              | 560-8M                                  | 70           | 560                    | 1160-8M                                 | 145          | 1160                   |
|              | 592-8M                                  | 74           | 592                    | 1200-8M                                 | 150          | 1200                   |
|              | 600-8M                                  | 75           | 600                    | 1280-8M                                 | 160          | 1280                   |
|              | 624-8M                                  | 78           | 624                    | 1304-8M                                 | 163          | 1304                   |
|              | 632-8M                                  | 79           | 632                    | 1360-8M                                 | 170          | 1360                   |
|              | 640-8M                                  | 80           | 640                    | 1392-8M                                 | 174          | 1392                   |
|              | 656-8M                                  | 82           | 656                    | 1400-8M                                 | 175          | 1400                   |
|              | 680-8M                                  | 85           | 680                    | 1424-8M                                 | 178          | 1424                   |
|              | 720-8M                                  | 90           | 720                    | 1432-8M                                 | 179          | 1432                   |
|              | 760-8M                                  | 95           | 760                    | 1440-8M                                 | 180          | 1440                   |
|              | 776-8M                                  | 97           | 776                    | 1480-8M                                 | 185          | 1480                   |
|              | 800-8M                                  | 100          | 800                    | 1520-8M                                 | 190          | 1520                   |
|              | 840-8M                                  | 105          | 840                    | 1600-8M                                 | 200          | 1600                   |
|              | 856-8M                                  | 107          | 856                    | 1696-8M                                 | 212          | 1696                   |
|              | 880-8M                                  | 110          | 880                    | 1728-8M                                 | 216          | 1728                   |
|              | 896-8M                                  | 112          | 898                    | 1760-8M                                 | 220          | 1760                   |
|              | 912-8M                                  | 114          | 912                    | 1800-8M                                 | 225          | 1800                   |
|              | 920-8M                                  | 115          | 920                    | 1896-8M                                 | 237          | 1896                   |
|              | 936-8M                                  | 117          | 936                    | 1904-8M                                 | 238          | 1904                   |
|              | 960-8M                                  | 120          | 960                    | 1936-8M                                 | 242          | 1936                   |
|              | 968-8M                                  | 121          | 968                    | 2000-8M                                 | 250          | 2000                   |
|              | 1000-8M                                 | 125          | 1000                   | 2080-8M                                 | 260          | 2080                   |
|              | 1040-8M                                 | 130          | 1040                   | 2160-8M                                 | 270          | 2160                   |
|              | 1056-8M                                 | 132          | 1056                   | 2240-8M                                 | 280          | 2240                   |
|              | 1064-8M                                 | 133          | 1064                   | 2272-8M                                 | 284          | 2272                   |
|              | 1120-8M                                 | 140          | 1120                   | 2400-8M                                 | 300          | 2400                   |

# MasterDrive® HTD Timing Belts

## 14M Pitch

| Belt Type    | 14M                                       |              |                        |
|--------------|-------------------------------------------|--------------|------------------------|
| Tooth Pitch  | 14MM                                      |              |                        |
| Code (Width) | 40 (40MM) 55 (55MM) 85 (85MM) 115 (115MM) |              |                        |
| Size         | Product Code                              | No. of Teeth | Belt Pitch Length (mm) |
|              | 784-14M                                   | 56           | 784                    |
|              | 826-14M                                   | 59           | 826                    |
|              | 924-14M                                   | 66           | 924                    |
|              | 966-14M                                   | 69           | 966                    |
|              | 1148-14M                                  | 82           | 1148                   |
|              | 1190-14M                                  | 85           | 1190                   |
|              | 1344-14M                                  | 96           | 1344                   |
|              | 1400-14M                                  | 100          | 1400                   |
|              | 1512-14M                                  | 108          | 1512                   |
|              | 1540-14M                                  | 110          | 1540                   |
|              | 1568-14M                                  | 112          | 1568                   |
|              | 1610-14M                                  | 115          | 1610                   |
|              | 1638-14M                                  | 117          | 1638                   |
|              | 1652-14M                                  | 118          | 1652                   |
|              | 1680-14M                                  | 120          | 1680                   |
|              | 1736-14M                                  | 124          | 1736                   |
|              | 1778-14M                                  | 127          | 1778                   |
|              | 1890-14M                                  | 135          | 1890                   |
|              | 1932-14M                                  | 138          | 1932                   |
|              | 1946-14M                                  | 139          | 1946                   |
|              | 2002-14M                                  | 143          | 2002                   |
|              | 2100-14M                                  | 150          | 2100                   |
|              | 2198-14M                                  | 157          | 2198                   |
|              | 2310-14M                                  | 165          | 2310                   |
|              | 2450-14M                                  | 175          | 2450                   |

## Installation

1. Clean sheaves/pulleys, and remove dust, dirt and oil.
2. Check for worn grooves using sheave gauge.
3. Use correct belt for sheave size
4. Never "roll" or "pry" the belts into the sheave grooves.  
Move the driver unit to allow belt to slip on easily.
5. Check alignment. Drive shafts must be parallel.
6. Rotate each sheave to check for wobble or bent drive shaft.
7. Tighten the belt take-up and then run the belt 10 minutes.  
Recheck and adjust tension, using tables on reverse.

## Warning

When servicing a drive, be certain machinery is SHUT OFF and properly prevented from accidentally starting. Do not wear loose clothing, jewelry, etc. Keep guards on machinery when it is operating.

## Rapid Belt Failure

| SYMPTOM                         | CORRECTION                                        |
|---------------------------------|---------------------------------------------------|
| Belt cover wears rapidly        | Replace sheaves                                   |
| Slip burns-shiny sheave grooves | Increase tension                                  |
| Belt hard and cracked           | Heat condition; Ventilate drive;<br>Check tension |
| Belt sticky or soft             | Eliminate oil                                     |

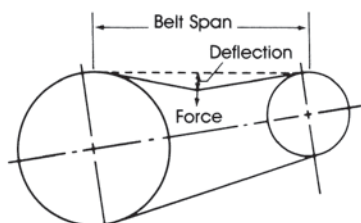
## Belt Tensioning

STEP 1: After measuring the belt span (see sketch) use a belt tension tester and apply perpendicular force to any ONE of the belts at the span mid-point. Measure the force required to deflect any of the belts 1/64 inch for every inch of span length. EXAMPLE: A 32" span deflection would be 1/64 inch x 32 or 1/2 inch.

Note: When new belts are installed on a drive, the tension will drop rapidly during the first few hours. Thus, for new belts, multiply the maximum deflection force shown in the tensioning tables by 1.33. Check tension frequently during the first 24 hours of operation. Subsequent retensioning should fall between the minimum and maximum forces shown in the tables. STEP 2: Compare Step 1 deflection force reading with range of force in the following tensioning tables. If the force is below the minimum after any adjustment per above note, then the belts are too loose.

If the force is greater than the maximum after any adjustment per above note, then the belts are too tight.

Readjust measured drive tension until the deflection force is between the maximum and minimum values shown in or calculated from the respective tensioning tables.



## Classical V-Belt Tensioning Table

| Belt | Small Sheave Dia. Range (inches) | Small Sheave RPM Range | Speed Ratio Range | Belt Deflection Force in Lbs. |      |                  |      |
|------|----------------------------------|------------------------|-------------------|-------------------------------|------|------------------|------|
|      |                                  |                        |                   | Classical                     |      | Classical Cogged |      |
|      |                                  |                        |                   | Min.                          | Max. | Min.             | Max. |
| A*   | 2.2                              | 1750 to 3600           | 2.0 to 4.0        | NR                            | NR   | 3.8              | 5.4  |
|      | 3.2                              |                        |                   | 3.1                           | 4.5  | 3.9              | 5.6  |
|      | 3.4-3.6                          |                        |                   | 3.5                           | 5.0  | 4.1              | 5.9  |
|      | 3.8-4.2                          |                        |                   | 3.8                           | 5.4  | 4.3              | 6.3  |
| B*   | 4.6-7.0                          |                        |                   | 4.6                           | 6.6  | 4.9              | 7.1  |
|      | 4.0                              | 1160 to 1800           | 2.0 to 4.0        | NR                            | NR   | 7.1              | 10   |
|      | 5.0-5.2                          |                        |                   | NR                            | NR   | 7.3              | 11   |
|      | 5.4-5.6                          |                        |                   | 6.0                           | 8.8  | 7.4              | 11   |
|      | 6.0-6.8                          |                        |                   | 6.6                           | 9.6  | 7.7              | 11   |
| C*   | 7.4-9.4                          |                        |                   | 7.4                           | 11   | 7.9              | 12   |
|      | 6.8                              | 870 to 1800            | 2.0 to 4.0        | NR                            | NR   | 12               | 18   |
|      | 7.5                              |                        |                   | NR                            | NR   | 12               | 18   |
|      | 8.0-8.5                          |                        |                   | NR                            | NR   | 13               | 18   |
|      | 9.0-10.5                         |                        |                   | 12                            | 17   | 13               | 19   |
| D*   | 11.0-16.0                        |                        |                   | 13                            | 20   | 13               | 19   |
|      | 13.0                             | 690 to 1200            | 2.0 to 4.0        | 20                            | 29   | -                | -    |
|      | 13.5-15.5                        |                        |                   | 22                            | 33   | -                | -    |
| E*   | 16.0-22.0                        |                        |                   | 25                            | 37   | -                | -    |
|      | 21.6                             | 435 to 900             | 2.0 to 4.0        | 33                            | 48   | -                | -    |
|      | 24.0                             |                        |                   | 33                            | 48   | -                | -    |

\* For Classical banded belts multiply the force in the table by the number of belts in the band.

## Narrow V-Belt Tensioning Table

| Belt | Small Sheave Dia. Range (inches) | Small Sheave RPM Range | Speed Ratio Range | Belt Deflection Force in Lbs. |      |               |      |
|------|----------------------------------|------------------------|-------------------|-------------------------------|------|---------------|------|
|      |                                  |                        |                   | Narrow                        |      | Narrow Cogged |      |
|      |                                  |                        |                   | Min.                          | Max. | Min.          | Max. |
| 3V*  | 2.20                             | 1200-3600              | 2.00 to 4.00      | NR                            | NR   | 2.8           | 4.1  |
|      | 2.35-2.50                        |                        |                   | NR                            | NR   | 3.2           | 4.7  |
|      | 2.65-2.80                        |                        |                   | 3.2                           | 4.7  | 3.5           | 5.1  |
|      | 3.00-3.15                        |                        |                   | 3.6                           | 5.3  | 3.8           | 5.5  |
|      | 3.35-3.65                        |                        |                   | 4.1                           | 5.9  | 4.1           | 6.0  |
|      | 4.12-5.00                        |                        |                   | 4.7                           | 6.8  | 4.8           | 7.1  |
| 5V*  | 5.30-6.90                        |                        |                   | 5.2                           | 7.6  | 5.8           | 8.6  |
|      | 4.40-4.65                        | 1200-3600              | 2.00 to 4.00      | NR                            | NR   | 9.0           | 13   |
|      | 4.90-5.50                        |                        |                   | NR                            | NR   | 10            | 15   |
|      | 5.90-6.70                        |                        |                   | NR                            | NR   | 11            | 17   |
|      | 7.10-8.00                        |                        |                   | 11                            | 17   | 13            | 19   |
|      | 8.50-10.90                       |                        |                   | 13                            | 19   | 14            | 20   |
| 8V*  | 11.80-16.00                      |                        |                   | 15                            | 22   | 15            | 23   |
|      | 12.50-17.00                      | 600-1200               | 2.00 to 4.00      | 31                            | 45   | -             | -    |
|      | 18.00-24.00                      |                        |                   | 36                            | 53   | -             | -    |

NR - Not Recommended

\* For Narrow banded belts, multiply the force in the table by the number of belts in the band.

The deflection forces in these tables apply only to the listed belts currently being manufactured.

## How to Diagnose V-Belt Failure



### Snub Break

#### Cause

Cover wear indicates slip. Clean break reveals sudden snap.

#### Prevention

Maintain proper tension on the drive.



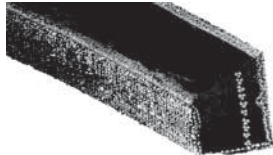
### Distorted Belt

#### Cause

Breakdown of adhesion or broken cords.

#### Prevention

Do not pry belts on drives. Check sheaves for recommended diameters.



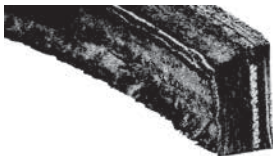
### Abrasion

#### Cause

Foreign material and rust in sheaves wore away sidewalls, letting belt drop to bottom of groove.

#### Prevention

Dust guards help protect against abrasion. Tension must be maintained in dusty atmospheres.



### Oil Deterioration

#### Cause

Oil-softened rubber.

#### Prevention

Splash guards will protect drives against oil. Although Classical belts are oil resisting, excessive oil can cause some deterioration.



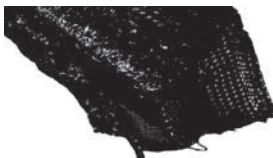
### Cover Fabric Rupture

#### Cause

Cover fabric ruptured when belt was pried over sheave during installation.

#### Prevention

Proper installation of belts by moving motor so belts do not have to be pried into the grooves.



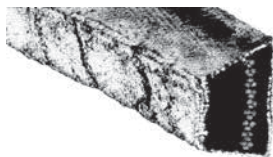
### Slip Burn

#### Cause

Belt too loose. Belt didn't move, friction against sheave burned rubber. When belt finally grabbed, it snapped.

#### Prevention

Maintain proper tension on the drive.



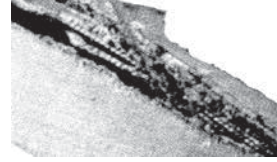
### Base Cracking

#### Cause

Sever back-bend idlers. Improper storage. Excessive ambient operating temperature.

#### Prevention

Check storage conditions. If back-bend idler cannot be avoided, install idler for larger diameter. Avoid ambient temperature over 140°.



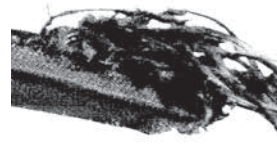
### Ply Separation

#### Cause

Split along pitch line indicating belt ran over too small a sheave.

#### Prevention

Redesign drive using sheaves of proper size.



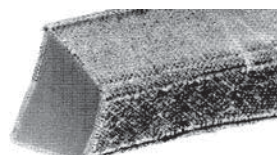
### Ruptured

#### Cause

Ruptured cords in the plies.

#### Prevention

Check for rocks or tools falling into sheave grooves. Check tension. Belts loose enough to twist in groove can rupture cords.



### Worn Belt Sides

#### Cause

Misalignment. Grit or dirt. Normal wear.

#### Prevention

Align sheaves. Replace belts as required.

| V-Belt           | Belt Section | Minimum Sheave Pitch Diameter |
|------------------|--------------|-------------------------------|
| Classical        | A            | 3"                            |
|                  | B            | 5.4"                          |
|                  | C            | 9"                            |
|                  | D            | 13"                           |
|                  | E            | 21"                           |
| Classical Cogged | AX           | 2.2"                          |
|                  | BX           | 4"                            |
|                  | CX           | 6.8"                          |
| Narrow           | 3V           | 2.6"                          |
|                  | 5V           | 7.1"                          |
|                  | 8V           | 12.5"                         |
| Narrow Cogged    | 3VX          | 2.2"                          |
|                  | 5VX          | 4.4"                          |

**Safety** should be your number one concern.

- \* Always turn equipment OFF before installing a belt.
- \* Every v-belt should have a proper belt guard.
- \* Before installation, check safe speed limits for sheaves.
- \* Before installation, lock out the disconnect switch, control valve or the like.
- \* Wear gloves when inspecting sheaves to prevent injury from burrs.

| <i>Light Duty Sheaves &amp; TB Bushings</i> |                                                                                                                                                                                                                                                                                                                      | <i>Heavy Duty Sheaves</i>           |                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description                                 | Product Specifications                                                                                                                                                                                                                                                                                               | Description                         | Product Specifications                                                                                                                                                                                                                                                                                   |
| Gray Cast Iron<br><i>Light Duty</i>         | SAE J431 Grade G2500<br>ASTM Class 25 Gray Iron                                                                                                                                                                                                                                                                      | Gray Cast Iron<br><i>Heavy Duty</i> | SAE J431 Grade G3000<br>ASTM Class 30 Gray Iron                                                                                                                                                                                                                                                          |
| Composition                                 | Typical Base Composition %<br>Carbon 3.30-3.60<br>Silicon 2.10-2.50<br>Manganese ..... 0.60-0.90<br>Sulfur (max <sup>a</sup> ) .....15<br>Phosphorus (max) .....20<br>Approximate Carbon<br>Equivalent <sup>b</sup> ..... 4.10-4.30<br><sup>a</sup> = typical value<br><sup>b</sup> = CE={%C + 1/3% Si.}             | Composition                         | Typical Base Composition %<br>Carbon 3.20-3.50<br>Silicon 1.90-2.30<br>Manganese ..... 0.60-0.90<br>Sulfur (max <sup>a</sup> ) .....15<br>Phosphorus (max) .....15<br>Approximate Carbon<br>Equivalent <sup>b</sup> ..... 3.90-4.20<br><sup>a</sup> = typical value<br><sup>b</sup> = CE={%C + 1/3% Si.} |
| Mechanical Properties                       | Typical Values<br>Tensile Strength - P.S.I.<br>24,500 min.<br>Brinell Hardness - range<br>170-229                                                                                                                                                                                                                    | Mechanical Properties               | Typical Values<br>Tensile Strength - P.S.I.<br>29,500 min.<br>Brinell Hardness - range<br>187-241                                                                                                                                                                                                        |
| Microstructure                              | Pearlitic - Ferritic                                                                                                                                                                                                                                                                                                 | Microstructure                      | Pearlitic                                                                                                                                                                                                                                                                                                |
| Primer/Paint                                | Cast iron sheaves are phosphorated before painting. This is to improve the cohesion between the paint film and the base to effectively keep the metal free from rust. A high quality phosphoric lacquer is used to form a dense and regular gray phosphating film over the iron.<br>Paint Type: Amino Baking Enamel. |                                     |                                                                                                                                                                                                                                                                                                          |
| TB Bushings & Jaw Couplings                 | Phosphorated Only                                                                                                                                                                                                                                                                                                    |                                     |                                                                                                                                                                                                                                                                                                          |

## **QD & DOUBLE SPLIT TAPER BUSHINGS**

| Description            | Product Specifications                                                                                                                                                          |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ductile (Nodular) Iron | SAE J434 Grade D4512<br>ASTM 65-45-12                                                                                                                                           |
| Composition            | <b>Typical Composition Values %</b><br>Carbon ..... 3.20-4.10<br>Silicon ..... 1.80-3.00<br>Manganese..... 0.10-1.00<br>Sulfur ..... 0.005-0.035<br>Phosphorus ..... 0.015-0.10 |
| Mechanical Properties  | <b>Typical Values</b><br>Tensile Strength P.S.I. .... 65,000<br>Brinell Hardness range .... 156-217<br>Yield Strength, 0.2% offset ..45,000                                     |
| Microstructure         | Pearlitic - Ferritic                                                                                                                                                            |
| Coating                | Phosphorated - (Bushings are not painted)                                                                                                                                       |
| Bolt Grade             | Equivalent to SAE Grade 5                                                                                                                                                       |

## **Jaw Couplings & H Bushings**

| Description           | Product Specifications                                                                                                                                                                 |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Powdered Metal        | FTG70CU-35                                                                                                                                                                             |
| Composition           | <b>Typical Composition Values %</b><br>Carbon ..... 0.50-1.10<br>Copper ..... 0.60-1.50<br>Silicon ..... ≤0.10<br>Manganese..... ≤0.15<br>Sulfur ..... ≤0.50<br>Phosphorus ..... ≤0.10 |
| Mechanical Properties | <b>Typical Values</b><br>Tensile Strength P.S.I. .... 49,700<br>Brinell Hardness range .....>100                                                                                       |
| Microstructure        | Pearlitic - Ferritic                                                                                                                                                                   |
| Bolt Grade (Bushings) | Equivalent to SAE Grade 5                                                                                                                                                              |

All sheaves are statically balanced (sheave is put on a shaft to determine imbalance position & weight then the relevant weight is drilled off.) Dynamic balancing is necessary on certain applications (sheave & bushing are installed on a motor running at the desired RPM requirement and then balanced accordingly. Contact customer service to verify whether dynamic balancing is required.

| <i>To Find</i>                  | <i>Given</i>                                | <i>Formula</i>                                                       |
|---------------------------------|---------------------------------------------|----------------------------------------------------------------------|
| <b>1. Basic Geometry</b>        |                                             |                                                                      |
| Circumference of a circle       | Diameter                                    | Circumference = 3.1416 x diameter                                    |
| Diameter of a circle            | Circumference                               | Diameter = Circumference / 3.1416                                    |
| <b>2. Motion</b>                |                                             |                                                                      |
| Ratio                           | High Speed & Low Speed                      | Ratio = $\frac{\text{RPM High}}{\text{RPM Low}}$                     |
| RPM                             | Feet per Minute of Belt and Pulley Diameter | RPM = $\frac{\text{FPM}}{.262 \times \text{diameter in inches}}$     |
| Belt Speed Feet per Minute      | RPM & Pulley Diameter                       | FPM = .262 x RPM x diameter in inches                                |
| Ratio                           | Teeth of Pinion & Teeth of Gear             | Ratio = $\frac{\text{Teeth of Gear}}{\text{Teeth of Pinion}}$        |
| Ratio                           | Two Sprockets or Pulley Diameters           | Ratio = $\frac{\text{Diameter Driven}}{\text{Diameter Driver}}$      |
| <b>3. Force - Work - Torque</b> |                                             |                                                                      |
| Force (F)                       | Torque & Diameter                           | F = $\frac{\text{Torque} \times 2}{\text{Diameter}}$                 |
| Torque (T)                      | Force & Diameter                            | T = (F x Diameter) / 2                                               |
| Diameter (Dia.)                 | Torque & Force                              | Diameter = (2 x T) / F                                               |
| Work                            | Force & Distance                            | Work = Force x Distance                                              |
| Chain Pull                      | Torque & Diameter                           | Pull = (T x 2) / Diameter                                            |
| <b>4. Power</b>                 |                                             |                                                                      |
| Chain Pull                      | Horsepower & Speed (FPM)                    | Pull = (33,000 x HP) / Speed                                         |
| Horsepower                      | Force & Speed (FPM)                         | HP = (Force x Speed) / 33,000                                        |
| Horsepower                      | RPM & Torque (#in.)                         | HP = (Torque x RPM) / 63025                                          |
| Horsepower                      | RPM & Torque (#ft.)                         | HP = (Torque x RPM) / 5250                                           |
| Torque                          | HP & RPM                                    | T #in. = (63025 x HP) / RPM                                          |
| Torque                          | HP & RPM                                    | T #ft. = (5250 x HP) / RPM                                           |
| <b>5. Inertia</b>               |                                             |                                                                      |
| Accelerating Torque (#ft.)      | WK <sup>2</sup> , RMP, Time                 | T = $\frac{\text{WK}^2 \times \text{RPM}}{308 \times \text{Time}}$   |
| Accelerating Time (Sec.)        | Torque, WK <sup>2</sup> , RPM               | t = $\frac{\text{WK}^2 \times \text{RPM}}{308 \times \text{Torque}}$ |
| WK <sup>2</sup> at motor        | WK <sup>2</sup> at Load, Ratio              | WK <sup>2</sup> Motor = $\frac{\text{WK}^2}{\text{Ratio}^2}$         |
| <b>6. Gearing</b>               |                                             |                                                                      |
| Gearset Centers                 | Pd Gear & Pd Pinion                         | Centers = (Pd <sub>G</sub> + Pd <sub>p</sub> ) / 2                   |
| Pitch Diameter                  | No. of Teeth & Diametral Pitch              | Pd = Teeth / DP                                                      |
| Pitch Diameter                  | No. of Teeth & Module                       | Pd = (Teeth x Module) / 25.4                                         |
| Diametral Pitch                 | Pd & No. of Teeth                           | DP = Teeth / Pd                                                      |
| Module                          | Pd & No. of Teeth                           | Module = (Pd x 25.4) / Teeth                                         |
| Circular Pitch                  | Pd & No. of Teeth                           | CP = (3.1416 x Pd) / Teeth                                           |
| Circular Pitch                  | Diametral Pitch                             | CP = 3.1416 / DP                                                     |
| Number of Teeth                 | Pd & DP                                     | Teeth = Pd x DP                                                      |
| Number of Teeth                 | Pd & Module                                 | Teeth = (Pd x 25.4) / Module                                         |
| Tooth Depth                     | Diametral Pitch                             | TD = 2.35 / DP                                                       |
| Tooth Depth                     | Module                                      | TD = (2.35 x Module) / 25.4                                          |



| <i>To Find</i>                                                 | <i>Given</i>                                                                                                                            | <i>Formula</i>                                                         |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>7. Belting</b>                                              |                                                                                                                                         |                                                                        |
| Effective Tension                                              | $T_1$ and $T_2$                                                                                                                         | $Te = T_1 - T_2$                                                       |
| Effective Tension                                              | HP, RPM, Pulley Radius                                                                                                                  | $Te = \frac{63025 \times HP}{RPM \times R}$                            |
| Effective Tension                                              | Torque, Pulley Radius                                                                                                                   | $Te = \frac{Torque}{R}$                                                |
| Effective Tension                                              | Horsepower, Belt Velocity (FPM)                                                                                                         | $Te = \frac{(HP \times 33000)}{FPM}$                                   |
| Total Load                                                     | $T_1$ & $T_2$                                                                                                                           | $TL = T_1 + T_2$                                                       |
| <b>8. Overhung Load</b>                                        |                                                                                                                                         |                                                                        |
| Overhung Load                                                  | Torque, Diameter                                                                                                                        | $OHL = \frac{(T \times 2)}{Diameter}$                                  |
| Overhung Load                                                  | Effective Tension, Belt Factor<br>$f = 1.50$ V-Belts<br>$f = 2.50$ flat belts                                                           | $OHL = Te \times f$                                                    |
| Overhung Load                                                  | Horsepower, Speed (RPM)<br>Diameter, factor<br>$f = 1.0$ chain<br>$f = 1.25$ gear drives<br>$f = 1.50$ V-belts<br>$f = 2.50$ flat belts | $OHL = \frac{126000 \times f \times HP}{Diameter \times RPM}$          |
| Overhung Load                                                  | Weight                                                                                                                                  | $OHL = Weight$                                                         |
| <b>9. Electricity</b>                                          |                                                                                                                                         |                                                                        |
| Motor Speed (RPM)                                              | Number of Poles                                                                                                                         | $RPM = \frac{120 \times HZ}{No. of Poles}$                             |
| Horsepower Single Phase or Direct Current Motor                | Volts, Amps, Power factor<br>Efficiency                                                                                                 | $HP = \frac{Volts \times Amps \times Pf \times Eff.}{746}$             |
| Horsepower 3 Phase Motor                                       | Volts, Amps, Power factor<br>Efficiency                                                                                                 | $HP = \frac{Volts \times Amps \times 1.73 \times Pf \times Eff.}{746}$ |
| Horsepower                                                     | Watts                                                                                                                                   | $HP = \frac{Watts}{746}$                                               |
| Horsepower                                                     | Kilowatts                                                                                                                               | $HP = \frac{KW}{.746}$                                                 |
| Motor Power (Watts), Single Phase                              | Volts, Amps, Pf, Eff.                                                                                                                   | $Watts = V \times Amps \times Pf \times Eff.$                          |
| Motor Power (Watts), 3 Phase                                   | Volts, Amps, Pf, Eff.                                                                                                                   | $Watts = 1.73 \times V \times Amps \times Pf \times Eff.$              |
| <b>10. Temperature</b>                                         |                                                                                                                                         |                                                                        |
| Degrees Fahrenheit                                             | Degrees Centigrade                                                                                                                      | $^{\circ}F = (1.8 \times ^{\circ}C) + 32$                              |
| Degrees Centigrade                                             | Degrees Fahrenheit                                                                                                                      | $^{\circ}C = \frac{5}{9} (^{\circ}F - 32)$                             |
| <b>11. Metric Conversions</b>                                  |                                                                                                                                         |                                                                        |
| Inches x 25.4 = Millimeters                                    | Millimeter x .0394 = inches                                                                                                             |                                                                        |
| Pounds x .455 = Kilograms                                      | Kilogram x 2.2 = pounds                                                                                                                 |                                                                        |
| U.S. Gallons x 3.785 = Liters                                  | Liter x .264 = U.S. Gallon                                                                                                              |                                                                        |
| Pounds (Force) x 4.448 = Newtons                               | Newtons x .2246 = Pounds (Force)                                                                                                        |                                                                        |
| Pounds inches x .113 = Newton Meters                           | Newton Meters x 8.85 = Pound-ins.                                                                                                       |                                                                        |
| Horsepower x .746 = Kilowatts                                  | Kilowatts x 1.34 = Horsepower                                                                                                           |                                                                        |
| Pounds/in <sup>2</sup> (psi) x .0069 = Newtons/mm <sup>2</sup> | Newton /mm <sup>2</sup> x 145 = Pounds/in <sup>2</sup>                                                                                  |                                                                        |
| BTU x .00029 = Kilowatt Hours                                  | Kilowatt Hours x 3415 = BTU's                                                                                                           |                                                                        |

## Engineering Calculations Quick Reference Guide

**Torque**

\_\_\_\_ (Torque, Pound-inches) (RPM)

Horsepower =  $\frac{\quad}{63,025}$

\_\_\_\_ (Torque, Pound-feet) (RPM)

Horsepower =  $\frac{\quad}{5,252}$

**Flywheel Effect,  $WR^2$**

$$WR^2 = \frac{0.17773F (D_o^4 - D_i^4)}{1000} - \frac{NY (D_o - Z)^3}{1000} \text{ lb.-ft}^2$$

for gray iron. Multiply by 1.08 for steel.

Where:  $D_o$  = Outside diameter of rim, inches.  
 $D_i$  = Inside diameter of rim, inches.  
 $F$  = Face width of rim, inches  
 $N$  = Number of grooves  
 $Y$  = Groove constant from table  
 $Z$  = Groove constant from table

### Torque Required to Accelerate or Decelerate a Flywheel

The torque required to uniformly accelerate or decelerate a sheave, pulley or flywheel can be calculated as follows:

$$\text{Torque (in. lbs.)} = \frac{.03908 \times N \times W \times R^2}{t}$$

$$\text{Torque (ft. lbs.)} = \frac{.003257 \times N \times W \times R^2}{t}$$

$N$  = Difference between initial and final RPM.

$W$  = Weight of rim in pounds.

$R$  = Mean Radius of Sheave Rim, Pulley or Flywheel in feet.

$t$  = Time required to effect speed change, in seconds.

### Data for $WR^2$ Calculations

| Groove       | Pitch Diameter | Add to PD<br>to find $D_o$ | Outside<br>Diameter (in) | Outside Diameter ( $D_o$ )<br>Minus Inside Diameter ( $D_i$ )<br>for Standard Sheaves | Y     | Z    |
|--------------|----------------|----------------------------|--------------------------|---------------------------------------------------------------------------------------|-------|------|
| 3V           | -              | -                          | up to 10.6               | 1.2                                                                                   | .113  | .30  |
|              | -              | -                          | 10.7 to 25.0             | 1.3                                                                                   | .113  | .30  |
|              | -              | -                          | 25.1 to 35.5             | 1.5                                                                                   | .113  | .30  |
| 5V           | -              | -                          | up to 21.2               | 1.9                                                                                   | .320  | .50  |
|              | -              | -                          | 21.2 to 31.5             | 2.0                                                                                   | .320  | .50  |
|              | -              | -                          | 37.5 to 50.00            | 2.2                                                                                   | .320  | .50  |
| 8V           | -              | -                          | up to 22.4               | 2.7                                                                                   | .885  | .80  |
|              | -              | -                          | 22.5 to 53.0             | 2.9                                                                                   | .885  | .80  |
|              | -              | -                          | 53.1 & up                | 3.0                                                                                   | .885  | .80  |
| A Multi-Duty | All            | .75                        | -                        | 1.6                                                                                   | .377  | .50  |
| B Multi-Duty | All            | .35                        | -                        | 1.6                                                                                   | .377  | .50  |
| A            | All            | .25                        | -                        | 1.5                                                                                   | .238  | .40  |
| B            | All            | .35                        | -                        | 1.7                                                                                   | .384  | .50  |
| C            | Up to 18.0     | .40                        | -                        | 2.1                                                                                   | .696  | .65  |
| C            | 20.1 to 50.0   | .40                        | -                        | 2.2                                                                                   | .696  | .68  |
| D            | Up to 20.0     | .60                        | -                        | 2.9                                                                                   | 1.280 | .90  |
| D            | 20.0 to 58.0   | .60                        | -                        | 3.0                                                                                   | 1.280 | .90  |
| E (Special)  |                | .80                        | -                        |                                                                                       | 2.050 | 1.14 |

## V-Belt Drive Factors

Arc of Contact Correction Factors G and R

| $\frac{D-d}{C}$ | Small Sheave Arc of Contact | Factor G | Factor R | $\frac{D-d}{C}$ | Small Sheave Arc of Contact | Factor G | Factor R |
|-----------------|-----------------------------|----------|----------|-----------------|-----------------------------|----------|----------|
| .00             | 180°                        | 1.00     | 1.000    | .80             | 133°                        | .87      | .917     |
| .10             | 174°                        | .99      | .999     | .90             | 127°                        | .85      | .893     |
| .20             | 169°                        | .97      | .995     | 1.00            | 120°                        | .82      | .866     |
| .30             | 163°                        | .96      | .989     | 1.10            | 113°                        | .80      | .835     |
| .40             | 157°                        | .94      | .980     | 1.20            | 106°                        | .77      | .800     |
| .50             | 151°                        | .93      | .968     | 1.30            | 99°                         | .73      | .760     |
| .60             | 145°                        | .91      | .954     | 1.40            | 91°                         | .70      | .714     |
| .70             | 139°                        | .89      | .937     | 1.50            | 83°                         | .65      | .661     |

D = Diam. of large sheave

C = Center distance

d = Diam. of small sheave

### Allowable Sheave Rim Speed

| Sheave Material    | Rim Speed in Feet per Minute |
|--------------------|------------------------------|
| Cast Iron.....     | 6,500                        |
| Ductile Iron ..... | 8,000                        |
| Steel.....         | 10,000                       |

**NOTE:** Above rim speed values are maximum for normal considerations. In some cases, these values may be exceeded. Consult factory and include complete details of proposed application.

### Bearing Load Calculations

To find actual loads, it is necessary to know machine component weights and values of all other forces contributing to the load. Sometimes it becomes desirable to know the bearing load imposed by the V-belt drive alone. This can be done if you know bearing spacing with respect to the sheave center and shaft load and apply it to the formula:

#### Overhung Sheave

$$\text{Load at B, lbs} = \frac{\text{Shaft Load} \times (a+b)}{a}$$

$$\text{Load at A, lbs} = \frac{\text{Shaft load} \times b}{a}$$

Where: a and b = spacing, inches

### Short Cut Ways to Figure Pump Drives

\*D = Diameter of pump sheave

\*d = Diameter of engine sheave

SPM = Strokes Per Minute

RPM = Engine Speed in Revolutions Per Minute

R = Gear box ratio

\*C = Shaft center distance

*\*Required values to determine belt length*

$$\text{Belt length} = \frac{2C + 1.57 (D+d) + \frac{(D-d)^2}{4C}}{4C}$$

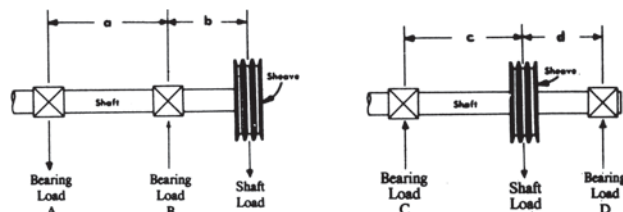
$$D = \frac{\text{RPM} \times d}{\text{SPM} \times R}$$

$$\text{RPM} = \frac{\text{SPM} \times R \times D}{d}$$

$$d = \frac{\text{SPM} \times R \times D}{\text{RPM}}$$

$$R = \frac{\text{RPM} \times d}{\text{SPM} \times D}$$

$$\text{SPM} = \frac{\text{RPM} \times d}{R \times D}$$



#### Sheave Between Bearings

$$\text{Load at D, lbs} = \frac{\text{Shaft Load} \times c}{c + d}$$

$$\text{Load at C, lbs} = \frac{\text{Shaft Load} \times d}{c + d}$$

Where: spacing, inches

### V-Belt Tension

#### Belt Effective Pull

$$T_1 - T_2 = 33,000 \left( \frac{HP}{V} \right)$$

Where:  $T_1$  = Tight Side Tension, pounds  
 $T_2$  = Slack Side Tension, pounds  
 HP = Design Horsepower  
 V = Belt Speed, feet per minute

#### Total Belt Pull

$$T_1 + T_2 = 33,000 (2.5 - G) \left( \frac{HP}{GV} \right)$$

Where:  $T_1$  = Tight Side Tension, pounds  
 $T_2$  = Slack Side Tension, pounds  
 HP = Design Horsepower  
 V = Belt Speed, feet per minute  
 G = Arc of Contact Correction Factor

#### Arc Correction Factor

$$G = 1.25 \left( 1 - \frac{1}{e^{5123\theta}} \right)$$

Where:  $\theta$  = arc of contact in radians

### Belt Length

$$\text{Belt Length} = 2C + 1.57 (D+d) + \frac{(D-d)^2}{4C}$$

Belt Length = Belt outside diameter  
 D = O.D. of large sheave  
 d = O.D. of small sheave  
 C = center distance between shafts

### Belt Speed

$$V = \frac{(PD) (RPM)}{3.82} = (PD) (RPM) (.262)$$

Where: V = Belt Speed, feet per minute  
 PD = Pitch Diameter of sheave or pulley  
 RPM = Revolutions Per Minute of the same sheave or pulley

### Tight Side Tension

$$T_1 = 41,250 \left( \frac{HP}{GV} \right)$$

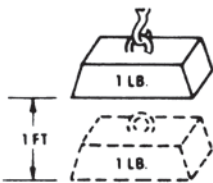
Where:  $T_1$  = Tight Side Tension, pounds  
 HP = Design Horsepower  
 V = Belt Speed, feet per minute  
 G = Arc of Contact Correction Factor

### Slack Side Tension

$$T_2 = 33,000 (1.25 - G) \left( \frac{HP}{GV} \right)$$

Where:  $T_2$  = Slack Side Tension, pounds  
 HP = Design Horsepower  
 V = Belt Speed, feet per minute  
 G = Arc of Contact Correction Factor

## ENGINEERING INFORMATION—Torque and Horsepower Equivalents



A foot-pound is the amount of energy expended in lifting a one-pound mass a distance of one foot against the pull of gravity.

### FOOT-POUNDS INDICATE ENERGY

$$\text{Torque (in Pound-inches)} = \frac{63,025 \times \text{HP}}{\text{RPM}}$$

$$= \text{Force} \times \text{Lever Arm (in Inches)}$$

$$\text{Torque (in Pound-Feet)} = \frac{5,252 \times \text{HP}}{\text{RPM}}$$

$$= \text{Force} \times \text{Lever Arm (in Feet)}$$

Force = Working Load in Pounds.

FPM = Feet Per Minute.

RPM = Revolutions Per Minute.

Lever Arm = Distance from the Force to the center of rotation in Inches or Feet.

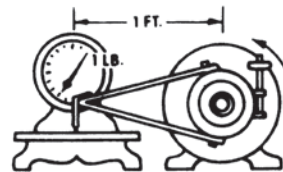
### How to Read Torque Tables

The tables on the following pages give the Torque in Pound-Inches for ranges of HP and RPM values.

For fractional HP values move the decimal points to the left in HP and Torque values.

## TORQUE

It is: a turning moment  
or twisting effort.  
Is it expressed in  
foot-pounds?  
or pound-feet?



A pound-foot is the moment created by a force of one pound applied to the end of a lever arm one foot long.

### POUND-FEET INDICATE TORQUE

#### Example:

25 HP at 150 RPM = 10504 Pound-Inches Torque

2.5 HP at 150 RPM = 1050.4 Pound-Inches Torque

For other values of RPM move decimal point in RPM values to the left or right as desired, and in Torque values move to the right or left (opposite way) the same number of places.

#### Example:

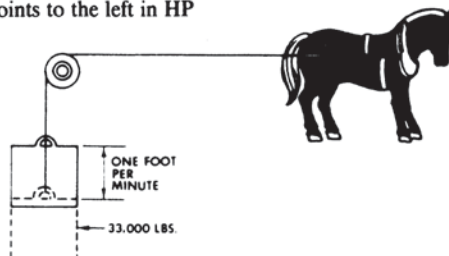
25 HP at 150 RPM = 10504 Pound-Inches Torque

25 HP at 1.50 RPM = 1050400 Pound-Inches Torque

2.5 HP at 1.50 RPM = 105040 Pound-Inches Torque

## HORSEPOWER

**Common Unit of Mechanical power. (HP) One HP is the rate of work required to raise 33,000 pounds one foot in one minute.**



$$\text{HP} = \frac{\text{Force} \times \text{FPM}}{33,000}$$

$$\text{HP} = \frac{\text{Torque (in Pound-Inches)} \times \text{RPM}}{63,025}$$

$$\text{HP} = \frac{\text{Torque (in Pound-Feet)} \times \text{RPM}}{5,252}$$

## Overhung Loads

An overhung load is a bending force imposed on a shaft due to the torque transmitted by V-drives, chain drives and other power transmission devices, other than flexible couplings.

Most motor and reducer manufacturers list the maximum values allowable for overhung loads. It is desirable that these figures be compared with the load actually imposed by the connected drive.

Overhung loads may be calculated as follows:

$$\text{O.H.L.} = \frac{63,000 \times \text{hp} \times \text{F}}{\text{N} \times \text{R}}$$

Where HP = Transmitted hp  $\times$  service factor.

N = RPM of shaft.

R = Radius of sprocket, pulley, etc.

F = Factor.

Weights of the drive components are usually negligible. The formula is based on the assumption that the load is applied at a point equal to one shaft diameter from the bearing face. Factor F depends on the type of drive used:

$$F = \begin{cases} 1.00 & \text{for single chain drives.} \\ 1.10 & \text{for TIMING belt drives.} \\ 1.25 & \text{for spur or helical gear or double-chain drives.} \\ 1.50 & \text{for V-belt drives.} \\ 2.50 & \text{for flat belt drives.} \end{cases}$$

**Example:** Find the overhung load imposed on a reducer by a double chain drive transmitting 7 hp @ 30 RPM. The pitch diameter of the sprocket is 10"; service factor is 1.3.

**Solution:**

$$\text{O.H.L.} = \frac{(63,000)(7 \times 1.3)(1.25)}{(30)(5)} = 4,780 \text{ lbs.}$$

## Mathematical Equations

To find circumference of a circle, multiply diameter by 3.1416.

To find diameter of a circle multiply circumference by .31831.

To find area of a circle, multiply square of diameter by .7854.

To find area of a rectangle, multiply length by breadth.

To find area of a triangle, multiply base by  $\frac{1}{2}$  perpendicular height.

To find area of ellipse, multiply product of both diameters by .7854.

To find area of parallelogram, multiply base by altitude.

To find side of an inscribed square, multiply diameter by 0.7071 or multiply circumference by 0.2251 or divide circumference by 4.4428.

To find side of inscribed cube, multiply radius of sphere by 1.1547.

To find side of an equal square, multiply diameter by .8862.

To find the surface of a sphere, square the diameter and multiply by 3.1416.

To find the volume of a sphere, cube the diameter and multiply by .5236.

A side of a square multiplied by 1.4142 equals diameter of its circumscribing circle.

A side of a square multiplied by 4.443 equals circumference of its circumscribing circle.

A side of a square multiplied by 1.128 equals diameter of an equal circle.

A side of a square multiplied by 3.547 equals circumference of equal circle.

To find gallon capacity of tanks (given dimensions of a cylinder in inches), square the diameter of the cylinder, multiply by the length and by .0034.



**Torque in Pound-inches for Horsepower at Different Revolutions Per Minute**
**Torque for 1-50 hp @ 100-260 RPM**

| HP | Revolutions per Minute |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|----|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|    | 100                    | 110   | 120   | 130   | 140   | 150   | 160   | 170   | 180   | 190   | 200   | 210   | 220   | 230   | 240   | 250   | 260   |
| 1  | 630                    | 572   | 525   | 484   | 450   | 420   | 393   | 370   | 350   | 331   | 315   | 300   | 286   | 274   | 262   | 252   | 242   |
| 2  | 1260                   | 1145  | 1050  | 969   | 900   | 840   | 787   | 741   | 700   | 663   | 630   | 600   | 572   | 548   | 525   | 504   | 484   |
| 3  | 1890                   | 1718  | 1575  | 1454  | 1350  | 1260  | 1181  | 1112  | 1050  | 995   | 945   | 900   | 859   | 822   | 787   | 756   | 727   |
| 4  | 2521                   | 2291  | 2100  | 1939  | 1800  | 1680  | 1575  | 1482  | 1400  | 1326  | 1260  | 1200  | 1145  | 1096  | 1050  | 1008  | 969   |
| 5  | 3151                   | 2864  | 2626  | 2424  | 2250  | 2100  | 1969  | 1853  | 1750  | 1658  | 1575  | 1500  | 1432  | 1370  | 1313  | 1260  | 1212  |
| 6  | 3781                   | 3437  | 3151  | 2908  | 2701  | 2521  | 2363  | 2224  | 2100  | 1990  | 1890  | 1800  | 1718  | 1644  | 1575  | 1512  | 1454  |
| 7  | 4411                   | 4010  | 3676  | 3393  | 3151  | 2941  | 2757  | 2595  | 2450  | 2321  | 2205  | 2100  | 2005  | 1918  | 1838  | 1764  | 1696  |
| 8  | 5042                   | 4583  | 4201  | 3878  | 3601  | 3361  | 3151  | 2965  | 2801  | 2653  | 2521  | 2400  | 2291  | 2192  | 2100  | 2016  | 1939  |
| 9  | 5672                   | 5156  | 4726  | 4363  | 4051  | 3781  | 3545  | 3336  | 3151  | 2985  | 2836  | 2701  | 2578  | 2466  | 2363  | 2268  | 2181  |
| 10 | 6302                   | 5729  | 5252  | 4848  | 4501  | 4201  | 3939  | 3707  | 3501  | 3317  | 3151  | 3001  | 2864  | 2740  | 2626  | 2521  | 2424  |
| 11 | 6932                   | 6302  | 5777  | 5332  | 4951  | 4621  | 4332  | 4078  | 3851  | 3648  | 3466  | 3301  | 3151  | 3014  | 2888  | 2773  | 2666  |
| 12 | 7563                   | 6875  | 6302  | 5817  | 5402  | 5042  | 4726  | 4448  | 4201  | 3980  | 3781  | 3601  | 3437  | 3288  | 3151  | 3025  | 2908  |
| 13 | 8193                   | 7448  | 6827  | 6302  | 5852  | 5462  | 5120  | 4819  | 4551  | 4312  | 4096  | 3901  | 3724  | 3562  | 3413  | 3277  | 3151  |
| 14 | 8823                   | 8021  | 7352  | 6787  | 6302  | 5882  | 5514  | 5190  | 4901  | 4643  | 4411  | 4201  | 4010  | 3836  | 3676  | 3529  | 3393  |
| 15 | 9453                   | 8594  | 7878  | 7272  | 6752  | 6302  | 5908  | 5561  | 5252  | 4975  | 4726  | 4501  | 4297  | 4110  | 3939  | 3781  | 3636  |
| 16 | 10084                  | 9167  | 8403  | 7756  | 7202  | 6722  | 6302  | 5931  | 5602  | 5307  | 5042  | 4801  | 4583  | 4384  | 4201  | 4033  | 3878  |
| 17 | 10714                  | 9740  | 8928  | 8241  | 7653  | 7142  | 6696  | 6302  | 5952  | 5639  | 5357  | 5102  | 4870  | 4658  | 4464  | 4285  | 4120  |
| 18 | 11344                  | 10313 | 9453  | 8726  | 8103  | 7563  | 7090  | 6673  | 6302  | 5970  | 5672  | 5402  | 5156  | 4932  | 4726  | 4537  | 4363  |
| 19 | 11974                  | 10886 | 9979  | 9211  | 8553  | 7983  | 7484  | 7044  | 6652  | 6302  | 5987  | 5702  | 5443  | 5206  | 4989  | 4789  | 4605  |
| 20 | 12605                  | 11459 | 10504 | 9696  | 9003  | 8403  | 7878  | 7414  | 7002  | 6634  | 6302  | 6002  | 5729  | 5480  | 5252  | 5042  | 4848  |
| 21 | 13235                  | 12032 | 11029 | 10181 | 9453  | 8823  | 8272  | 7785  | 7352  | 6965  | 6617  | 6302  | 6016  | 5754  | 5514  | 5294  | 5090  |
| 22 | 13865                  | 12605 | 11554 | 10665 | 9903  | 9243  | 8665  | 8156  | 7703  | 7297  | 6932  | 6602  | 6302  | 6028  | 5777  | 5546  | 5332  |
| 23 | 14495                  | 13178 | 12079 | 11150 | 10354 | 9663  | 9059  | 8526  | 8053  | 7629  | 7247  | 6902  | 6588  | 6302  | 6039  | 5798  | 5575  |
| 24 | 15126                  | 13750 | 12605 | 11635 | 10804 | 10084 | 9453  | 8897  | 8403  | 7961  | 7563  | 7202  | 6875  | 6576  | 6302  | 6050  | 5817  |
| 25 | 15756                  | 14323 | 13130 | 12120 | 11254 | 10504 | 9847  | 9268  | 8753  | 8292  | 7878  | 7503  | 7161  | 6850  | 6565  | 6302  | 6060  |
| 26 | 16386                  | 14896 | 13655 | 12605 | 11704 | 10924 | 10241 | 9639  | 9103  | 8624  | 8193  | 7803  | 7448  | 7124  | 6827  | 6554  | 6302  |
| 27 | 17016                  | 15469 | 14180 | 13089 | 12154 | 11344 | 10635 | 10009 | 9453  | 8956  | 8508  | 8103  | 7734  | 7398  | 7090  | 6806  | 6544  |
| 28 | 17647                  | 16042 | 14705 | 13574 | 12605 | 11764 | 11029 | 10380 | 9803  | 9287  | 8823  | 8403  | 8021  | 7672  | 7352  | 7058  | 6787  |
| 29 | 18277                  | 16615 | 15231 | 14059 | 13055 | 12184 | 11423 | 10751 | 10154 | 9619  | 9138  | 8703  | 8307  | 7946  | 7615  | 7310  | 7029  |
| 30 | 18907                  | 17188 | 15756 | 14544 | 13505 | 12605 | 11817 | 11122 | 10504 | 9951  | 9453  | 9003  | 8594  | 8220  | 7878  | 7563  | 7272  |
| 31 | 19537                  | 17761 | 16281 | 15029 | 13955 | 13025 | 12211 | 11492 | 10854 | 10283 | 9768  | 9303  | 8880  | 8494  | 8140  | 7815  | 7514  |
| 32 | 20168                  | 18334 | 16806 | 15513 | 14405 | 13445 | 12605 | 11863 | 11204 | 10614 | 10084 | 9603  | 9167  | 8768  | 8403  | 8067  | 7756  |
| 33 | 20798                  | 18907 | 17331 | 15998 | 14855 | 13865 | 12998 | 12234 | 11554 | 10946 | 10399 | 9903  | 9453  | 9042  | 8665  | 8319  | 7999  |
| 34 | 21428                  | 19480 | 17857 | 16483 | 15306 | 14285 | 13392 | 12605 | 11904 | 11278 | 10714 | 10204 | 9740  | 9316  | 8928  | 8571  | 8241  |
| 35 | 22058                  | 20053 | 18382 | 16968 | 15756 | 14705 | 13786 | 12975 | 12254 | 11609 | 11029 | 10504 | 10026 | 9590  | 9191  | 8823  | 8484  |
| 36 | 22689                  | 20626 | 18907 | 17453 | 16206 | 15126 | 14180 | 13346 | 12605 | 11941 | 11344 | 10804 | 10313 | 9864  | 9453  | 9075  | 8726  |
| 37 | 23319                  | 21199 | 19432 | 17937 | 16656 | 15546 | 14574 | 13717 | 12955 | 12273 | 11659 | 11104 | 10599 | 10138 | 9716  | 9327  | 8968  |
| 38 | 23949                  | 21772 | 19958 | 18422 | 17106 | 15966 | 14968 | 14088 | 13305 | 12605 | 11974 | 11404 | 10886 | 10412 | 9978  | 9579  | 9211  |
| 39 | 24579                  | 22345 | 20483 | 18907 | 17557 | 16386 | 15362 | 14458 | 13655 | 12936 | 12289 | 11704 | 11172 | 10686 | 10241 | 9831  | 9453  |
| 40 | 25210                  | 22918 | 21008 | 19392 | 18007 | 16806 | 15756 | 14829 | 14005 | 13268 | 12605 | 12004 | 11459 | 10960 | 10504 | 10084 | 9696  |
| 41 | 25840                  | 23491 | 21533 | 19877 | 18457 | 17226 | 16150 | 15200 | 14355 | 13600 | 12920 | 12304 | 11745 | 11234 | 10766 | 10336 | 9938  |
| 42 | 26470                  | 24064 | 22058 | 20362 | 18907 | 17647 | 16544 | 15570 | 14705 | 13931 | 13235 | 12605 | 12032 | 11508 | 11029 | 10588 | 10181 |
| 43 | 27100                  | 24637 | 22584 | 20846 | 19357 | 18067 | 16938 | 15941 | 15056 | 14263 | 13550 | 12905 | 12318 | 11782 | 11292 | 10840 | 10423 |
| 44 | 27731                  | 25210 | 23109 | 21331 | 19807 | 18487 | 17331 | 16312 | 15406 | 14595 | 13865 | 13205 | 12605 | 12057 | 11554 | 11092 | 10665 |
| 45 | 28361                  | 25783 | 23634 | 21816 | 20258 | 18907 | 17725 | 16683 | 15756 | 14927 | 14180 | 13505 | 12891 | 12331 | 11817 | 11344 | 10908 |
| 46 | 28991                  | 26356 | 24159 | 22301 | 20708 | 19327 | 18119 | 17053 | 16106 | 15258 | 14495 | 13805 | 13177 | 12605 | 12079 | 11596 | 11150 |
| 47 | 29621                  | 26928 | 24684 | 22786 | 21158 | 19747 | 18513 | 17424 | 16456 | 15590 | 14810 | 14105 | 13464 | 12879 | 12342 | 11848 | 11393 |
| 48 | 30252                  | 27501 | 25210 | 23270 | 21608 | 20168 | 18907 | 17795 | 16806 | 15922 | 15126 | 14405 | 13750 | 13153 | 12605 | 12100 | 11635 |
| 49 | 30882                  | 28074 | 25735 | 23755 | 22058 | 20588 | 19301 | 18166 | 17156 | 16253 | 15441 | 14705 | 14037 | 13427 | 12867 | 12352 | 11877 |
| 50 | 31512                  | 28647 | 26260 | 24240 | 22509 | 21008 | 19695 | 18536 | 17507 | 16585 | 15756 | 15006 | 14323 | 13701 | 13130 | 12605 | 12120 |



## Torque in Pound-inches for Horsepower at Different Revolutions Per Minute (Cont.)

### Torque for 1-50 hp @ 270-1000 RPM

| HP | Revolutions per Minute |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----|------------------------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|    | 270                    | 280   | 290   | 300   | 350  | 400  | 450  | 500  | 550  | 600  | 650  | 700  | 750  | 800  | 850  | 900  | 950  | 1000 |
| 1  | 233                    | 225   | 217   | 210   | 180  | 157  | 140  | 126  | 114  | 105  | 96   | 90   | 84   | 78   | 74   | 70   | 66   | 63   |
| 2  | 466                    | 450   | 434   | 420   | 360  | 315  | 280  | 252  | 229  | 210  | 193  | 180  | 168  | 157  | 148  | 140  | 132  | 126  |
| 3  | 700                    | 675   | 651   | 630   | 540  | 472  | 420  | 378  | 343  | 315  | 290  | 270  | 252  | 236  | 222  | 210  | 199  | 189  |
| 4  | 933                    | 900   | 869   | 840   | 720  | 630  | 560  | 504  | 458  | 420  | 387  | 360  | 336  | 315  | 296  | 280  | 265  | 252  |
| 5  | 1167                   | 1125  | 1086  | 1050  | 900  | 787  | 700  | 630  | 572  | 525  | 484  | 450  | 420  | 393  | 370  | 350  | 331  | 315  |
| 6  | 1400                   | 1350  | 1303  | 1260  | 1080 | 945  | 840  | 756  | 687  | 630  | 581  | 540  | 504  | 472  | 444  | 420  | 398  | 378  |
| 7  | 1633                   | 1575  | 1521  | 1470  | 1260 | 1102 | 980  | 882  | 802  | 735  | 678  | 630  | 588  | 551  | 519  | 490  | 464  | 441  |
| 8  | 1867                   | 1800  | 1738  | 1680  | 1440 | 1260 | 1120 | 1008 | 916  | 840  | 775  | 720  | 672  | 630  | 593  | 560  | 530  | 504  |
| 9  | 2100                   | 2025  | 1955  | 1890  | 1620 | 1418 | 1260 | 1134 | 1031 | 945  | 872  | 810  | 756  | 709  | 667  | 630  | 597  | 567  |
| 10 | 2334                   | 2250  | 2173  | 2100  | 1800 | 1575 | 1400 | 1260 | 1145 | 1050 | 969  | 900  | 840  | 787  | 741  | 700  | 663  | 630  |
| 11 | 2567                   | 2475  | 2390  | 2310  | 1980 | 1733 | 1540 | 1386 | 1260 | 1155 | 1066 | 990  | 924  | 866  | 815  | 770  | 729  | 693  |
| 12 | 2801                   | 2701  | 2607  | 2521  | 2160 | 1890 | 1680 | 1512 | 1375 | 1260 | 1163 | 1080 | 1008 | 945  | 889  | 840  | 796  | 756  |
| 13 | 3034                   | 2926  | 2825  | 2731  | 2340 | 2048 | 1820 | 1638 | 1489 | 1365 | 1260 | 1170 | 1092 | 1024 | 963  | 910  | 862  | 819  |
| 14 | 3267                   | 3151  | 3042  | 2941  | 2521 | 2205 | 1960 | 1764 | 1604 | 1470 | 1357 | 1260 | 1176 | 1102 | 1038 | 980  | 928  | 882  |
| 15 | 3501                   | 3376  | 3259  | 3151  | 2701 | 2363 | 2100 | 1890 | 1718 | 1575 | 1454 | 1350 | 1260 | 1181 | 1112 | 1050 | 995  | 945  |
| 16 | 3734                   | 3601  | 3477  | 3361  | 2881 | 2521 | 2240 | 2016 | 1833 | 1680 | 1551 | 1440 | 1344 | 1260 | 1186 | 1120 | 1061 | 1008 |
| 17 | 3968                   | 3826  | 3694  | 3571  | 3061 | 2678 | 2380 | 2142 | 1948 | 1785 | 1648 | 1530 | 1428 | 1339 | 1260 | 1190 | 1127 | 1071 |
| 18 | 4201                   | 4051  | 3911  | 3781  | 3241 | 2836 | 2521 | 2268 | 2062 | 1890 | 1745 | 1620 | 1512 | 1418 | 1334 | 1260 | 1194 | 1134 |
| 19 | 4435                   | 4276  | 4129  | 3991  | 3421 | 2993 | 2661 | 2394 | 2177 | 1995 | 1842 | 1710 | 1596 | 1496 | 1408 | 1330 | 1260 | 1197 |
| 20 | 4668                   | 4501  | 4346  | 4201  | 3601 | 3151 | 2801 | 2521 | 2291 | 2100 | 1939 | 1800 | 1680 | 1575 | 1482 | 1400 | 1326 | 1260 |
| 21 | 4901                   | 4726  | 4563  | 4411  | 3781 | 3308 | 2941 | 2647 | 2406 | 2205 | 2036 | 1890 | 1764 | 1654 | 1557 | 1470 | 1393 | 1323 |
| 22 | 5135                   | 4951  | 4781  | 4621  | 3961 | 3466 | 3081 | 2773 | 2521 | 2310 | 2133 | 1980 | 1848 | 1733 | 1631 | 1540 | 1459 | 1386 |
| 23 | 5368                   | 5177  | 4998  | 4831  | 4141 | 3623 | 3221 | 2899 | 2635 | 2415 | 2230 | 2070 | 1932 | 1811 | 1705 | 1610 | 1525 | 1449 |
| 24 | 5602                   | 5402  | 5215  | 5042  | 4321 | 3781 | 3361 | 3025 | 2750 | 2521 | 2327 | 2160 | 2016 | 1890 | 1779 | 1680 | 1592 | 1512 |
| 25 | 5835                   | 5627  | 5433  | 5252  | 4501 | 3939 | 3501 | 3151 | 2864 | 2626 | 2424 | 2250 | 2100 | 1969 | 1853 | 1750 | 1658 | 1575 |
| 26 | 6069                   | 5852  | 5650  | 5462  | 4681 | 4096 | 3641 | 3277 | 2979 | 2731 | 2521 | 2340 | 2184 | 2048 | 1927 | 1820 | 1724 | 1638 |
| 27 | 6302                   | 6077  | 5867  | 5672  | 4861 | 4254 | 3781 | 3403 | 3093 | 2836 | 2617 | 2430 | 2268 | 2127 | 2001 | 1890 | 1791 | 1701 |
| 28 | 6535                   | 6302  | 6085  | 5882  | 5042 | 4411 | 3921 | 3529 | 3208 | 2941 | 2714 | 2521 | 2352 | 2205 | 2076 | 1960 | 1857 | 1764 |
| 29 | 6769                   | 6527  | 6302  | 6092  | 5222 | 4569 | 4061 | 3655 | 3323 | 3046 | 2811 | 2611 | 2436 | 2284 | 2150 | 2030 | 1923 | 1827 |
| 30 | 7002                   | 6752  | 6519  | 6302  | 5402 | 4726 | 4201 | 3781 | 3437 | 3151 | 2908 | 2701 | 2520 | 2363 | 2224 | 2100 | 1990 | 1890 |
| 31 | 7236                   | 6977  | 6737  | 6512  | 5582 | 4884 | 4341 | 3907 | 3552 | 3256 | 3005 | 2791 | 2605 | 2442 | 2298 | 2170 | 2056 | 1953 |
| 32 | 7469                   | 7202  | 6954  | 6722  | 5762 | 5042 | 4481 | 4033 | 3666 | 3361 | 3102 | 2881 | 2689 | 2520 | 2372 | 2240 | 2122 | 2016 |
| 33 | 7703                   | 7427  | 7171  | 6932  | 5942 | 5199 | 4621 | 4159 | 3781 | 3466 | 3199 | 2971 | 2773 | 2599 | 2446 | 2310 | 2189 | 2079 |
| 34 | 7936                   | 7653  | 7389  | 7142  | 6122 | 5357 | 4761 | 4285 | 3896 | 3571 | 3296 | 3061 | 2857 | 2678 | 2520 | 2380 | 2255 | 2142 |
| 35 | 8169                   | 7878  | 7606  | 7352  | 6302 | 5514 | 4901 | 4411 | 4010 | 3676 | 3393 | 3151 | 2941 | 2757 | 2595 | 2450 | 2321 | 2205 |
| 36 | 8403                   | 8103  | 7823  | 7563  | 6482 | 5672 | 5042 | 4537 | 4125 | 3781 | 3490 | 3241 | 3025 | 2836 | 2669 | 2521 | 2388 | 2268 |
| 37 | 8636                   | 8328  | 8041  | 7773  | 6662 | 5829 | 5182 | 4663 | 4239 | 3886 | 3587 | 3331 | 3109 | 2913 | 2743 | 2591 | 2454 | 2331 |
| 38 | 8870                   | 8553  | 8258  | 7983  | 6842 | 5987 | 5322 | 4789 | 4354 | 3991 | 3684 | 3421 | 3193 | 2993 | 2817 | 2661 | 2520 | 2394 |
| 39 | 9103                   | 8778  | 8475  | 8193  | 7022 | 6144 | 5462 | 4915 | 4469 | 4096 | 3781 | 3511 | 3277 | 3072 | 2891 | 2731 | 2587 | 2457 |
| 40 | 9337                   | 9003  | 8693  | 8403  | 7202 | 6302 | 5602 | 5042 | 4583 | 4201 | 3878 | 3601 | 3361 | 3151 | 2965 | 2801 | 2653 | 2521 |
| 41 | 9570                   | 9228  | 8910  | 8613  | 7382 | 6460 | 5742 | 5168 | 4698 | 4306 | 3975 | 3691 | 3445 | 3230 | 3040 | 2871 | 2720 | 2584 |
| 42 | 9803                   | 9453  | 9127  | 8823  | 7563 | 6617 | 5882 | 5294 | 4812 | 4411 | 4072 | 3781 | 3529 | 3308 | 3114 | 2941 | 2786 | 2647 |
| 43 | 10037                  | 9678  | 9345  | 9033  | 7743 | 6775 | 6022 | 5420 | 4927 | 4516 | 4169 | 3871 | 3613 | 3387 | 3188 | 3011 | 2852 | 2710 |
| 44 | 10270                  | 9903  | 9562  | 9243  | 7923 | 6932 | 6162 | 5546 | 5042 | 4621 | 4266 | 3961 | 3697 | 3466 | 3262 | 3081 | 2919 | 2773 |
| 45 | 10504                  | 10129 | 9779  | 9453  | 8103 | 7090 | 6302 | 5672 | 5156 | 4726 | 4363 | 4051 | 3781 | 3545 | 3336 | 3151 | 2985 | 2836 |
| 46 | 10737                  | 10354 | 9997  | 9663  | 8283 | 7247 | 6442 | 5798 | 5271 | 4831 | 4460 | 4141 | 3865 | 3623 | 3410 | 3221 | 3051 | 2899 |
| 47 | 10971                  | 10579 | 10214 | 9873  | 8463 | 7405 | 6582 | 5924 | 5385 | 4936 | 4557 | 4231 | 3949 | 3702 | 3484 | 3291 | 3118 | 2962 |
| 48 | 11204                  | 10804 | 10431 | 10084 | 8643 | 7563 | 6722 | 6050 | 5500 | 5042 | 4654 | 4321 | 4033 | 3781 | 3559 | 3361 | 3184 | 3025 |
| 49 | 11437                  | 11029 | 10649 | 10294 | 8823 | 7720 | 6862 | 6176 | 5614 | 5147 | 4751 | 4411 | 4117 | 3860 | 3633 | 3431 | 3250 | 3088 |
| 50 | 11671                  | 11254 | 10866 | 10504 | 9003 | 7878 | 7002 | 6302 | 5729 | 5252 | 4848 | 4501 | 4201 | 3939 | 3707 | 3501 | 3317 | 3151 |

## Torque in Pound-inches for Horsepower at Different Revolutions Per Minute (Cont.)

### Torque for 51-100 hp @ 100-260 RPM

| HP  | Revolutions per Minute |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     | 100                    | 110   | 120   | 130   | 140   | 150   | 160   | 170   | 180   | 190   | 200   | 210   | 220   | 230   | 240   | 250   | 260   |
| 51  | 32142                  | 29220 | 26785 | 24725 | 22959 | 21428 | 20089 | 18907 | 17857 | 16917 | 16071 | 15306 | 14610 | 13975 | 13392 | 12857 | 12362 |
| 52  | 32773                  | 29793 | 27310 | 25210 | 23409 | 21848 | 20483 | 19278 | 18207 | 17249 | 16386 | 15606 | 14896 | 14249 | 13655 | 13109 | 12605 |
| 53  | 33403                  | 30366 | 27836 | 25694 | 23859 | 22268 | 20877 | 19649 | 18557 | 17580 | 16701 | 15906 | 15183 | 14523 | 13918 | 13361 | 12847 |
| 54  | 34033                  | 30939 | 28361 | 26179 | 24309 | 22689 | 21271 | 20019 | 18907 | 17912 | 17016 | 16206 | 15469 | 14797 | 14180 | 13613 | 13089 |
| 55  | 34663                  | 31512 | 28886 | 26664 | 24759 | 23109 | 21664 | 20390 | 19257 | 18244 | 17331 | 16506 | 15756 | 15071 | 14443 | 13865 | 13332 |
| 56  | 35294                  | 32085 | 29411 | 27149 | 25210 | 23529 | 22058 | 20761 | 19607 | 18575 | 17647 | 16806 | 16042 | 15345 | 14705 | 14117 | 13574 |
| 57  | 35924                  | 32658 | 29937 | 27634 | 25660 | 23949 | 22452 | 21132 | 19957 | 18907 | 17962 | 17106 | 16329 | 15619 | 14968 | 14369 | 13817 |
| 58  | 36554                  | 33231 | 30462 | 28118 | 26110 | 24369 | 22846 | 21502 | 20308 | 19239 | 18277 | 17406 | 16615 | 15893 | 15231 | 14621 | 14059 |
| 59  | 37184                  | 33804 | 30987 | 28603 | 26560 | 24789 | 23240 | 21873 | 20658 | 19571 | 18592 | 17707 | 16902 | 16167 | 15493 | 14873 | 14301 |
| 60  | 37815                  | 34377 | 31512 | 29088 | 27010 | 25210 | 23634 | 22244 | 21008 | 19902 | 18907 | 18007 | 17188 | 16441 | 15756 | 15126 | 14544 |
| 61  | 38445                  | 34950 | 32037 | 29573 | 27461 | 25630 | 24028 | 22614 | 21358 | 20234 | 19222 | 18307 | 17475 | 16715 | 16018 | 15378 | 14786 |
| 62  | 39075                  | 35523 | 32563 | 30058 | 27911 | 26050 | 24422 | 22985 | 21708 | 20566 | 19537 | 18607 | 17761 | 16989 | 16281 | 15630 | 15029 |
| 63  | 39705                  | 36096 | 33088 | 30543 | 28361 | 26470 | 24816 | 23356 | 22058 | 20897 | 19852 | 18907 | 18048 | 17263 | 16544 | 15882 | 15271 |
| 64  | 40335                  | 36669 | 33613 | 31027 | 28811 | 26890 | 25210 | 23727 | 22408 | 21229 | 20168 | 19207 | 18334 | 17537 | 16806 | 16134 | 15513 |
| 65  | 40966                  | 37242 | 34138 | 31512 | 29261 | 27310 | 25604 | 24097 | 22759 | 21561 | 20483 | 19507 | 18621 | 17811 | 17069 | 16386 | 15756 |
| 66  | 41596                  | 37815 | 34663 | 31997 | 29711 | 27731 | 25997 | 24468 | 23109 | 21892 | 20798 | 19807 | 18907 | 18085 | 17331 | 16638 | 15998 |
| 67  | 42226                  | 38388 | 35189 | 32482 | 30162 | 28151 | 26391 | 24839 | 23459 | 22224 | 21113 | 20108 | 19194 | 18359 | 17594 | 16890 | 16241 |
| 68  | 42857                  | 38961 | 35714 | 32967 | 30612 | 28571 | 26785 | 25210 | 23809 | 22556 | 21428 | 20408 | 19480 | 18633 | 17857 | 17142 | 16483 |
| 69  | 43487                  | 39534 | 36239 | 33451 | 31062 | 28991 | 27179 | 25580 | 24159 | 22888 | 21743 | 20708 | 19766 | 18907 | 18119 | 17394 | 16725 |
| 70  | 44117                  | 40106 | 36764 | 33936 | 31512 | 29411 | 27573 | 25951 | 24509 | 23219 | 22058 | 21008 | 20053 | 19181 | 18382 | 17647 | 16968 |
| 71  | 44747                  | 40679 | 37289 | 34421 | 31962 | 29831 | 27967 | 26322 | 24859 | 23551 | 22373 | 21308 | 20339 | 19455 | 18644 | 17899 | 17210 |
| 72  | 45378                  | 41252 | 37815 | 34906 | 32413 | 30252 | 28361 | 26693 | 25210 | 23883 | 22689 | 21608 | 20626 | 19729 | 18907 | 18151 | 17453 |
| 73  | 46008                  | 41825 | 38340 | 35391 | 32863 | 30672 | 28755 | 27063 | 25560 | 24214 | 23004 | 21908 | 20912 | 20003 | 19170 | 18403 | 17695 |
| 74  | 46638                  | 42398 | 38865 | 35875 | 33313 | 31092 | 29149 | 27434 | 25910 | 24546 | 23319 | 22208 | 21199 | 20277 | 19432 | 18655 | 17937 |
| 75  | 47268                  | 42971 | 39390 | 36360 | 33763 | 31512 | 29543 | 27805 | 26260 | 24878 | 23634 | 22509 | 21485 | 20551 | 19695 | 18907 | 18180 |
| 76  | 47899                  | 43544 | 39916 | 36845 | 34213 | 31932 | 29937 | 28176 | 26610 | 25210 | 23949 | 22809 | 21772 | 20825 | 19957 | 19159 | 18422 |
| 77  | 48529                  | 44117 | 40441 | 37330 | 34663 | 32353 | 30330 | 28546 | 26960 | 25541 | 24264 | 23109 | 22058 | 21099 | 20220 | 19411 | 18665 |
| 78  | 49159                  | 44690 | 40966 | 37815 | 35114 | 32773 | 30724 | 28917 | 27310 | 25873 | 24579 | 23409 | 22345 | 21373 | 20483 | 19663 | 18907 |
| 79  | 49789                  | 45263 | 41491 | 38299 | 35564 | 33193 | 31118 | 29288 | 27661 | 26205 | 24894 | 23709 | 22631 | 21647 | 20745 | 19915 | 19149 |
| 80  | 50420                  | 45836 | 42016 | 38784 | 36014 | 33613 | 31512 | 29658 | 28011 | 26536 | 25210 | 24009 | 22918 | 21921 | 21008 | 20168 | 19392 |
| 81  | 51050                  | 46409 | 42542 | 39269 | 36464 | 34033 | 31906 | 30029 | 28361 | 26868 | 25525 | 24309 | 23204 | 22195 | 21271 | 20420 | 19634 |
| 82  | 51680                  | 46982 | 43067 | 39754 | 36914 | 34453 | 32300 | 30400 | 28711 | 27200 | 25840 | 24609 | 23491 | 22469 | 21533 | 20672 | 19877 |
| 83  | 52310                  | 47555 | 43592 | 40239 | 37365 | 34874 | 32694 | 30771 | 29061 | 27532 | 26155 | 24909 | 23777 | 22743 | 21796 | 20924 | 20119 |
| 84  | 52941                  | 48128 | 44117 | 40724 | 37815 | 35294 | 33088 | 31141 | 29411 | 27863 | 26470 | 25210 | 24064 | 23017 | 22058 | 21176 | 20362 |
| 85  | 53571                  | 48701 | 44642 | 41208 | 38265 | 35714 | 33482 | 31512 | 29761 | 28195 | 26785 | 25510 | 24350 | 23291 | 22321 | 21428 | 20604 |
| 86  | 54201                  | 49274 | 45168 | 41693 | 38715 | 36134 | 33876 | 31883 | 30112 | 28527 | 27100 | 25810 | 24637 | 23565 | 22584 | 21680 | 20846 |
| 87  | 54831                  | 49847 | 45693 | 42178 | 39165 | 36554 | 34269 | 32254 | 30462 | 28858 | 27415 | 26110 | 24923 | 23840 | 22846 | 21932 | 21089 |
| 88  | 55462                  | 50420 | 46218 | 42663 | 39615 | 36974 | 34663 | 32624 | 30812 | 29190 | 27731 | 26410 | 25210 | 24114 | 23109 | 22184 | 21331 |
| 89  | 56092                  | 50993 | 46743 | 43148 | 40066 | 37395 | 35057 | 32995 | 31162 | 29522 | 28046 | 26710 | 25496 | 24388 | 23371 | 22436 | 21574 |
| 90  | 56722                  | 51566 | 47268 | 43632 | 40516 | 37815 | 35451 | 33366 | 31512 | 29854 | 28361 | 27010 | 25783 | 24662 | 23634 | 22689 | 21816 |
| 91  | 57352                  | 52139 | 47794 | 44117 | 40966 | 38235 | 35845 | 33737 | 31862 | 30185 | 28676 | 27310 | 26069 | 24936 | 23897 | 22941 | 22058 |
| 92  | 57983                  | 52712 | 48319 | 44602 | 41416 | 38655 | 36239 | 34107 | 32212 | 30517 | 28991 | 27611 | 26355 | 25210 | 24159 | 23193 | 22301 |
| 93  | 58613                  | 53285 | 48844 | 45087 | 41866 | 39075 | 36633 | 34478 | 32563 | 30849 | 29306 | 27911 | 26642 | 25484 | 24422 | 23445 | 22543 |
| 94  | 59243                  | 53857 | 49369 | 45572 | 42317 | 39495 | 37027 | 34849 | 32913 | 31180 | 29621 | 28211 | 26928 | 25758 | 24684 | 23697 | 22786 |
| 95  | 59873                  | 54430 | 49895 | 46056 | 42767 | 39916 | 37421 | 35220 | 33263 | 31512 | 29936 | 28511 | 27215 | 26032 | 24947 | 23949 | 23028 |
| 96  | 60504                  | 55003 | 50420 | 46541 | 43217 | 40336 | 37815 | 35590 | 33613 | 31844 | 30252 | 28811 | 27501 | 26306 | 25210 | 24201 | 23270 |
| 97  | 61134                  | 55576 | 50945 | 47026 | 43667 | 40756 | 38209 | 35961 | 33963 | 32176 | 30567 | 29111 | 27788 | 26580 | 25472 | 24453 | 23513 |
| 98  | 61764                  | 56149 | 51470 | 47511 | 44117 | 41176 | 38602 | 36332 | 34313 | 32507 | 30882 | 29411 | 28074 | 26854 | 25735 | 24705 | 23755 |
| 99  | 62394                  | 56722 | 51995 | 47996 | 44567 | 41596 | 38996 | 36702 | 34663 | 32839 | 31197 | 29711 | 28361 | 27128 | 25997 | 24957 | 23998 |
| 100 | 63025                  | 57295 | 52521 | 48481 | 45018 | 42016 | 39390 | 37073 | 35014 | 33171 | 31512 | 30012 | 28647 | 27402 | 26260 | 25210 | 24240 |



## Torque in Pound-inches for Horsepower at Different Revolutions Per Minute (Cont.)

### Torque for 51-100 hp @ 270-1000 RPM

| HP  | Revolutions per Minute |       |       |       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |
|-----|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
|     | 270                    | 280   | 290   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650  | 700  | 750  | 800  | 850  | 900  | 950  | 1000 |
| 51  | 11904                  | 11479 | 11083 | 10714 | 9183  | 8035  | 7141  | 6428  | 5844  | 5357  | 4945 | 4591 | 4285 | 4017 | 3781 | 3571 | 3383 | 3214 |
| 52  | 12138                  | 11701 | 11301 | 10924 | 9363  | 8193  | 7282  | 6554  | 5958  | 5462  | 5042 | 4681 | 4369 | 4096 | 3855 | 3641 | 3449 | 3277 |
| 53  | 12371                  | 11929 | 11518 | 11134 | 9543  | 8350  | 7422  | 6680  | 6073  | 5567  | 5138 | 4771 | 4453 | 4175 | 3929 | 3711 | 3516 | 3340 |
| 54  | 12605                  | 12154 | 11735 | 11344 | 9723  | 8508  | 7563  | 6806  | 6187  | 5672  | 5235 | 4861 | 4537 | 4254 | 4003 | 3781 | 3582 | 3403 |
| 55  | 12838                  | 12379 | 11953 | 11554 | 9903  | 8665  | 7703  | 6932  | 6302  | 5777  | 5332 | 4951 | 4621 | 4332 | 4078 | 3851 | 3648 | 3466 |
| 56  | 13071                  | 12605 | 12170 | 11764 | 10084 | 8823  | 7843  | 7058  | 6417  | 5882  | 5429 | 5042 | 4705 | 4411 | 4152 | 3921 | 3715 | 3529 |
| 57  | 13305                  | 12830 | 12387 | 11974 | 10264 | 8981  | 7983  | 7184  | 6531  | 5987  | 5526 | 5132 | 4789 | 4490 | 4226 | 3991 | 3781 | 3592 |
| 58  | 13538                  | 13055 | 12605 | 12184 | 10444 | 9138  | 8123  | 7310  | 6646  | 6092  | 5623 | 5222 | 4873 | 4569 | 4300 | 4061 | 3847 | 3655 |
| 59  | 13772                  | 13280 | 12822 | 12394 | 10624 | 9296  | 8263  | 7436  | 6760  | 6197  | 5720 | 5312 | 4957 | 4648 | 4374 | 4131 | 3914 | 3718 |
| 60  | 14005                  | 13505 | 13039 | 12605 | 10804 | 9453  | 8403  | 7563  | 6875  | 6302  | 5817 | 5402 | 5041 | 4726 | 4448 | 4201 | 3980 | 3781 |
| 61  | 14239                  | 13730 | 13257 | 12815 | 10984 | 9611  | 8543  | 7689  | 6990  | 6407  | 5914 | 5492 | 5126 | 4805 | 4522 | 4271 | 4046 | 3844 |
| 62  | 14472                  | 13955 | 13474 | 13025 | 11164 | 9768  | 8683  | 7815  | 7104  | 6512  | 6011 | 5582 | 5210 | 4884 | 4597 | 4341 | 4113 | 3907 |
| 63  | 14705                  | 14180 | 13691 | 13235 | 11344 | 9926  | 8823  | 7941  | 7219  | 6617  | 6108 | 5672 | 5294 | 4963 | 4671 | 4411 | 4179 | 3970 |
| 64  | 14939                  | 14405 | 13908 | 13445 | 11524 | 10084 | 8963  | 8067  | 7333  | 6722  | 6205 | 5762 | 5378 | 5041 | 4745 | 4481 | 4245 | 4033 |
| 65  | 15172                  | 14630 | 14126 | 13655 | 11704 | 10241 | 9103  | 8193  | 7448  | 6827  | 6302 | 5852 | 5462 | 5120 | 4819 | 4551 | 4312 | 4096 |
| 66  | 15406                  | 14855 | 14343 | 13865 | 11884 | 10399 | 9243  | 8319  | 7563  | 6932  | 6399 | 5942 | 5546 | 5199 | 4893 | 4621 | 4378 | 4159 |
| 67  | 15639                  | 15081 | 14560 | 14075 | 12064 | 10556 | 9383  | 8445  | 7677  | 7037  | 6496 | 6032 | 5630 | 5278 | 4967 | 4691 | 4444 | 4222 |
| 68  | 15873                  | 15306 | 14778 | 14285 | 12244 | 10714 | 9523  | 8571  | 7792  | 7142  | 6593 | 6122 | 5714 | 5357 | 5041 | 4761 | 4511 | 4285 |
| 69  | 16106                  | 15531 | 14995 | 14495 | 12424 | 10871 | 9663  | 8697  | 7906  | 7247  | 6690 | 6212 | 5798 | 5435 | 5116 | 4831 | 4577 | 4348 |
| 70  | 16339                  | 15756 | 15212 | 14705 | 12605 | 11029 | 9803  | 8823  | 8021  | 7352  | 6787 | 6302 | 5882 | 5514 | 5190 | 4901 | 4643 | 4411 |
| 71  | 16573                  | 15981 | 15430 | 14915 | 12785 | 11186 | 9943  | 8949  | 8135  | 7457  | 6884 | 6392 | 5966 | 5593 | 5264 | 4971 | 4710 | 4474 |
| 72  | 16806                  | 16206 | 15647 | 15126 | 12965 | 11344 | 10084 | 9075  | 8250  | 7563  | 6981 | 6482 | 6050 | 5672 | 5338 | 5042 | 4776 | 4537 |
| 73  | 17040                  | 16431 | 15864 | 15336 | 13145 | 11502 | 10224 | 9201  | 8365  | 7668  | 7078 | 6572 | 6134 | 5751 | 5412 | 5112 | 4842 | 4600 |
| 74  | 17273                  | 16656 | 16082 | 15546 | 13325 | 11659 | 10364 | 9327  | 8479  | 7773  | 7175 | 6662 | 6218 | 5829 | 5486 | 5182 | 4909 | 4663 |
| 75  | 17507                  | 16881 | 16299 | 15756 | 13505 | 11817 | 10504 | 9453  | 8594  | 7878  | 7272 | 6752 | 6302 | 5908 | 5561 | 5252 | 4975 | 4726 |
| 76  | 17740                  | 17106 | 16516 | 15966 | 13685 | 11974 | 10644 | 9579  | 8708  | 7983  | 7369 | 6842 | 6386 | 5987 | 5635 | 5322 | 5041 | 4789 |
| 77  | 17973                  | 17331 | 16734 | 16176 | 13865 | 12132 | 10784 | 9705  | 8823  | 8088  | 7466 | 6932 | 6470 | 6066 | 5709 | 5392 | 5108 | 4852 |
| 78  | 18207                  | 17557 | 16951 | 16386 | 14045 | 12289 | 10924 | 9831  | 8938  | 8193  | 7563 | 7022 | 6554 | 6144 | 5783 | 5462 | 5174 | 4915 |
| 79  | 18440                  | 17782 | 17168 | 16596 | 14225 | 12447 | 11064 | 9957  | 9052  | 8298  | 7659 | 7112 | 6638 | 6223 | 5857 | 5532 | 5241 | 4978 |
| 80  | 18674                  | 18007 | 17386 | 16806 | 14405 | 12605 | 11204 | 10084 | 9167  | 8403  | 7756 | 7202 | 6722 | 6302 | 5931 | 5602 | 5307 | 5042 |
| 81  | 18907                  | 18232 | 17603 | 17016 | 14585 | 12762 | 11344 | 10210 | 9281  | 8508  | 7853 | 7292 | 6806 | 6381 | 6005 | 5672 | 5373 | 5105 |
| 82  | 19141                  | 18457 | 17820 | 17226 | 14765 | 12920 | 11484 | 10336 | 9396  | 8613  | 7950 | 7382 | 6890 | 6460 | 6080 | 5742 | 5440 | 5168 |
| 83  | 19374                  | 18682 | 18038 | 17436 | 14945 | 13077 | 11624 | 10462 | 9511  | 8718  | 8047 | 7472 | 6974 | 6538 | 6154 | 5812 | 5506 | 5231 |
| 84  | 19607                  | 18907 | 18255 | 17647 | 15126 | 13235 | 11764 | 10588 | 9625  | 8823  | 8144 | 7563 | 7058 | 6617 | 6228 | 5882 | 5572 | 5294 |
| 85  | 19841                  | 19132 | 18472 | 17857 | 15306 | 13392 | 11904 | 10714 | 9740  | 8928  | 8241 | 7653 | 7142 | 6696 | 6302 | 5952 | 5639 | 5357 |
| 86  | 20074                  | 19357 | 18690 | 18067 | 15486 | 13550 | 12044 | 10840 | 9854  | 9033  | 8338 | 7743 | 7226 | 6775 | 6376 | 6022 | 5705 | 5420 |
| 87  | 20308                  | 19582 | 18907 | 18277 | 15666 | 13707 | 12184 | 10966 | 9969  | 9138  | 8435 | 7833 | 7310 | 6853 | 6450 | 6092 | 5771 | 5483 |
| 88  | 20541                  | 19807 | 19124 | 18487 | 15846 | 13865 | 12324 | 11092 | 10084 | 9243  | 8532 | 7923 | 7394 | 6932 | 6524 | 6162 | 5838 | 5546 |
| 89  | 20775                  | 20033 | 19342 | 18697 | 16026 | 14023 | 12464 | 11218 | 10198 | 9348  | 8629 | 8013 | 7478 | 7011 | 6599 | 6232 | 5904 | 5609 |
| 90  | 21008                  | 20258 | 19559 | 18907 | 16206 | 14180 | 12605 | 11344 | 10313 | 9453  | 8726 | 8103 | 7562 | 7090 | 6673 | 6302 | 5970 | 5672 |
| 91  | 21241                  | 20483 | 19776 | 19117 | 16386 | 14338 | 12745 | 11470 | 10427 | 9558  | 8823 | 8193 | 7647 | 7169 | 6747 | 6372 | 6037 | 5735 |
| 92  | 21475                  | 20708 | 19994 | 19327 | 16566 | 14495 | 12885 | 11596 | 10542 | 9663  | 8920 | 8283 | 7731 | 7247 | 6821 | 6442 | 6103 | 5798 |
| 93  | 21708                  | 20933 | 20211 | 19537 | 16746 | 14653 | 13025 | 11722 | 10656 | 9768  | 9017 | 8373 | 7815 | 7326 | 6895 | 6512 | 6169 | 5861 |
| 94  | 21942                  | 21158 | 20428 | 19747 | 16926 | 14810 | 13165 | 11848 | 10771 | 9873  | 9114 | 8463 | 7899 | 7405 | 6969 | 6582 | 6236 | 5924 |
| 95  | 22175                  | 21383 | 20646 | 19957 | 17106 | 14968 | 13305 | 11974 | 10886 | 9978  | 9211 | 8553 | 7983 | 7484 | 7043 | 6652 | 6302 | 5987 |
| 96  | 22408                  | 21608 | 20863 | 20168 | 17286 | 15126 | 13445 | 12100 | 11000 | 10084 | 9308 | 8643 | 8067 | 7562 | 7118 | 6722 | 6368 | 6050 |
| 97  | 22642                  | 21833 | 21080 | 20378 | 17466 | 15283 | 13585 | 12226 | 11115 | 10189 | 9405 | 8733 | 8151 | 7641 | 7192 | 6792 | 6435 | 6113 |
| 98  | 22875                  | 22058 | 21298 | 20588 | 17647 | 15441 | 13725 | 12352 | 11229 | 10294 | 9502 | 8823 | 8235 | 7720 | 7266 | 6862 | 6501 | 6176 |
| 99  | 23109                  | 22283 | 21515 | 20798 | 17827 | 15598 | 13865 | 12478 | 11344 | 10399 | 9599 | 8913 | 8319 | 7799 | 7340 | 6932 | 6567 | 6239 |
| 100 | 23342                  | 22509 | 21732 | 21008 | 18007 | 15756 | 14005 | 12605 | 11459 | 10504 | 9696 | 9003 | 8403 | 7878 | 7414 | 7002 | 6634 | 6302 |

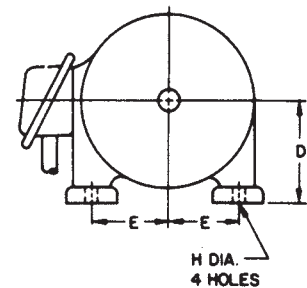
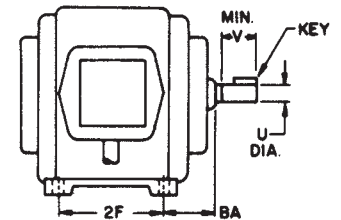
**A-C MOTOR INFORMATION  
(NEMA Frame Designation)**

**Frame Assignments**

| HP        | Motor Speed, rpm |            |            |            | HP  | Motor Speed, rpm |                     |            |            |
|-----------|------------------|------------|------------|------------|-----|------------------|---------------------|------------|------------|
|           | 3600             | 1800       | 1200       | 900        |     | 3600             | 1800                | 1200       | 900        |
| 1/8 - 1/2 | .....            | 48         | .....      | .....      | 15  | 215T, 256U       | 254T, 256U          | 284T, 324U | 286T, 326U |
| 1/8 - 1/2 | 48               | .....      | 56         | .....      | 20  | 254T, 284U       | 256T, 286U          | 286T, 326U | 324T, 364U |
| 1/8       | .....            | .....      | 48         | .....      | 25  | 256T, 286U       | 284T, 324U          | 324T, 364U | 326T, 365U |
| 1/2 - 1   | .....            | 56         | .....      | .....      | 30  | 284TS, 324S      | 286T, 326U          | 326T, 365U | 364T, 404U |
| 3/4 - 1   | 56               | .....      | .....      | .....      | 40  | 286TS, 326S      | 324T, 364U          | 364T, 404U | 365T, 404U |
| 1/2       | .....            | .....      | .....      | 143T       | 50  | 324TS, 364US     | 326T, 365U, 365US   | 365T, 405U | 404T, 444U |
| 3/4       | .....            | .....      | 143T       | 145T       | 60  | 326TS, 365US     | 364TSΔ, 404U, 404US | 404T, 444U | 405T, 445U |
| 1         | .....            | 143T       | 145T       | 182T       | 75  | 364TS, 404US     | 365TSΔ, 405U, 405US | 405T, 445U | 444T       |
| 1 1/2     | 143T             | 145T       | 182T       | 184T       | 100 | 365TS, 405US     | 404TSΔ, 444US       | 444T       | 445T       |
| 2         | 145T             | 145T       | 184T       | 213T       | 125 | 404TS, 444US     | 405TSΔ, 445US       | 445T       | .....      |
| 3         | 145T             | 182T       | 213T       | 215T, 254U | 150 | 405TS, 445US     | 444TSΔ              | .....      | .....      |
| 5         | 182T             | 184T       | 215T, 254U | 254T, 256U | 200 | 444TS            | 445TSΔ              | .....      | .....      |
| 7 1/2     | 184T             | 213T, 254U | 254T, 256U | 256T, 284U | 250 | 445TS            | .....               | .....      | .....      |
| 10        | 213T, 254U       | 215T, 256U | 256T, 284U | 284T, 286U | ... | .....            | .....               | .....      | .....      |

**Motor Frame Dimensions**

| Frame Size | D     | E      | 2F     | H Dia.<br>(4) Holes | U Dia. | BA    | V Min. | Key                 |
|------------|-------|--------|--------|---------------------|--------|-------|--------|---------------------|
| 48         | 3     | 2 1/8  | 2 3/4  | 1 1/32              | 1/2    | 2 1/2 | ...    | 3/4 Flat            |
| 56         | 3 1/2 | 2 7/16 | 3      | 1 1/32              | 5/8    | 2 3/4 | ...    | 3/16 x 3/16 x 1 3/8 |
| 143T       | 3 1/2 | 2 3/4  | 4      | 1 1/32              | 7/8    | 2 1/4 | 2      | 3/16 x 3/16 x 1 3/8 |
| 145T       | 3 1/2 | 2 3/4  | 5      | 1 1/32              | 7/8    | 2 1/4 | 2      | 3/16 x 3/16 x 1 3/8 |
| 182T       | 4 1/2 | 3 3/4  | 4 1/2  | 1 3/32              | 1 1/8  | 2 3/4 | 2 1/2  | 1/4 x 1/4 x 1 3/4   |
| 184T       | 4 1/2 | 3 3/4  | 5 1/2  | 1 3/32              | 1 1/8  | 2 3/4 | 2 1/2  | 1/4 x 1/4 x 1 3/4   |
| 213T       | 5 1/4 | 4 1/4  | 5 1/2  | 1 3/32              | 1 3/8  | 3 1/2 | 3 1/8  | 3/16 x 3/16 x 2 3/8 |
| 215T       | 5 1/4 | 4 1/4  | 7      | 1 3/32              | 1 3/8  | 3 1/2 | 3 1/8  | 3/16 x 3/16 x 2 3/8 |
| 254U       | 6 1/4 | 5      | 8 1/4  | 1 7/32              | 1 3/8  | 4 1/4 | 3 1/2  | 3/16 x 3/16 x 2 3/8 |
| 254T       | 6 1/4 | 5      | 8 1/4  | 1 7/32              | 1 3/8  | 4 1/4 | 3 1/2  | 3/16 x 3/16 x 2 3/8 |
| 256U       | 6 1/4 | 5      | 10     | 1 7/32              | 1 3/8  | 4 1/4 | 3 1/2  | 3/16 x 3/16 x 2 3/8 |
| 256T       | 6 1/4 | 5      | 10     | 1 7/32              | 1 3/8  | 4 1/4 | 3 3/4  | 3/8 x 3/8 x 2 7/8   |
| 284U       | 7     | 5 1/2  | 9 1/2  | 1 7/32              | 1 5/8  | 4 3/4 | 4 5/8  | 3/8 x 3/8 x 3 3/4   |
| 284T       | 7     | 5 1/2  | 9 1/2  | 1 7/32              | 1 5/8  | 4 3/4 | 4 3/8  | 1/2 x 1/2 x 3 1/4   |
| 284TS      | 7     | 5 1/2  | 9 1/2  | 1 7/32              | 1 5/8  | 4 3/4 | 3      | 3/8 x 3/8 x 1 7/8   |
| 286U       | 7     | 5 1/2  | 11     | 1 7/32              | 1 5/8  | 4 3/4 | 4 5/8  | 3/8 x 3/8 x 3 3/4   |
| 286T       | 7     | 5 1/2  | 11     | 1 7/32              | 1 5/8  | 4 3/4 | 4 3/8  | 1/2 x 1/2 x 3 1/4   |
| 286TS      | 7     | 5 1/2  | 11     | 1 7/32              | 1 5/8  | 4 3/4 | 3      | 3/8 x 3/8 x 1 7/8   |
| 324U       | 8     | 6 1/4  | 10 1/2 | 2 1/32              | 1 7/8  | 5 1/4 | 5 3/8  | 1/2 x 1/2 x 4 1/4   |
| 324T       | 8     | 6 1/4  | 10 1/2 | 2 1/32              | 2 1/8  | 5 1/4 | 5      | 1/2 x 1/2 x 3 7/8   |
| 324TS      | 8     | 6 1/4  | 10 1/2 | 2 1/32              | 1 7/8  | 5 1/4 | 3 1/2  | 1/2 x 1/2 x 2       |
| 326U       | 8     | 6 1/4  | 12     | 2 1/32              | 1 7/8  | 5 1/4 | 5 3/8  | 1/2 x 1/2 x 4 1/4   |
| 326T       | 8     | 6 1/4  | 12     | 2 1/32              | 2 1/8  | 5 1/4 | 5      | 1/2 x 1/2 x 3 7/8   |
| 326TS      | 8     | 6 1/4  | 12     | 2 1/32              | 1 7/8  | 5 1/4 | 3 1/2  | 1/2 x 1/2 x 2       |
| 364U       | 9     | 7      | 11 1/4 | 2 1/32              | 2 1/8  | 5 7/8 | 6 1/8  | 1/2 x 1/2 x 5       |
| 364US      | 9     | 7      | 11 1/4 | 2 1/32              | 1 7/8  | 5 7/8 | 3 1/2  | 1/2 x 1/2 x 2       |
| 364T       | 9     | 7      | 11 1/4 | 2 1/32              | 2 3/8  | 5 7/8 | 5 3/8  | 3/4 x 3/4 x 4 1/4   |
| 364TS      | 9     | 7      | 11 1/4 | 2 1/32              | 1 7/8  | 5 7/8 | 3 1/2  | 1/2 x 1/2 x 2       |
| 365U       | 9     | 7      | 12 1/4 | 2 1/32              | 2 1/8  | 5 7/8 | 6 1/8  | 1/2 x 1/2 x 5       |
| 365US      | 9     | 7      | 12 1/4 | 2 1/32              | 1 7/8  | 5 7/8 | 3 1/2  | 1/2 x 1/2 x 2       |
| 365T       | 9     | 7      | 12 1/4 | 2 1/32              | 2 3/8  | 5 7/8 | 5 3/8  | 3/4 x 3/4 x 4 1/4   |
| 365TS      | 9     | 7      | 12 1/4 | 2 1/32              | 1 7/8  | 5 7/8 | 3 1/2  | 1/2 x 1/2 x 2       |
| 404U       | 10    | 8      | 12 1/4 | 1 3/16              | 2 3/8  | 6 3/8 | 6 7/8  | 3/4 x 3/4 x 5 1/2   |
| 404US      | 10    | 8      | 12 1/4 | 1 3/16              | 2 1/8  | 6 3/8 | 4      | 1/2 x 1/2 x 2 3/4   |
| 404T       | 10    | 8      | 12 1/4 | 1 3/16              | 2 7/8  | 6 3/8 | 7      | 3/4 x 3/4 x 5 3/8   |
| 404TS      | 10    | 8      | 12 1/4 | 1 3/16              | 2 1/8  | 6 3/8 | 4      | 1/2 x 1/2 x 2 3/4   |
| 405U       | 10    | 8      | 13 3/4 | 1 3/16              | 2 3/8  | 6 3/8 | 6 7/8  | 3/4 x 3/4 x 5 1/2   |
| 405US      | 10    | 8      | 13 3/4 | 1 3/16              | 2 1/8  | 6 3/8 | 4      | 1/2 x 1/2 x 2 3/4   |
| 405T       | 10    | 8      | 13 3/4 | 1 3/16              | 2 7/8  | 6 3/8 | 7      | 3/4 x 3/4 x 5 3/8   |
| 405TS      | 10    | 8      | 13 3/4 | 1 3/16              | 2 1/8  | 6 3/8 | 4      | 1/2 x 1/2 x 2 3/4   |
| 444U       | 11    | 9      | 14 1/2 | 1 3/16              | 2 7/8  | 7 1/2 | 8 3/8  | 3/4 x 3/4 x 7       |
| 444US      | 11    | 9      | 14 1/2 | 1 3/16              | 2 1/8  | 7 1/2 | 7 1/2  | 1/2 x 1/2 x 2 3/4   |
| 444T       | 11    | 9      | 14 1/2 | 1 3/16              | 3 3/8  | 7 1/2 | 8 1/4  | 7/8 x 7/8 x 6 7/8   |
| 444TS      | 11    | 9      | 14 1/2 | 1 3/16              | 2 3/8  | 7 1/2 | 4 1/2  | 3/4 x 3/4 x 3       |
| 445U       | 11    | 9      | 16 1/2 | 1 3/16              | 2 7/8  | 7 1/2 | 8 3/8  | 3/4 x 3/4 x 7       |
| 445US      | 11    | 9      | 16 1/2 | 1 3/16              | 2 1/8  | 7 1/2 | 4      | 1/2 x 1/2 x 2 3/4   |
| 445T       | 11    | 9      | 16 1/2 | 1 3/16              | 3 3/8  | 7 1/2 | 8 1/4  | 7/8 x 7/8 x 6 7/8   |
| 445TS      | 11    | 9      | 16 1/2 | 1 3/16              | 2 3/8  | 7 1/2 | 4 1/2  | 3/4 x 3/4 x 3       |



## GENERAL ENGINEERING INFORMATION

### ENGLISH STANDARD MEASURES

#### Long Measures

1 mile = 1760 yards = 5280 feet  
1 yard = 3 feet = 36 inches  
1 foot = 12 inches

#### Square Measure

1 square mile = 640 acres = 6400 square chains  
1 acre = 10 square chains = 4840 square yards = 43,560 square feet  
1 square rod = 30.25 square yards = 272.25 square feet = 625 square links  
1 square yard = 9 square feet  
1 square foot = 144 square inches  
An acre is equal to a square, the side of which is 208.7 feet

#### Dry Measure

1 bushel (U.S. or Winchester struck bushel) = 1.2445 cubic foot =  
2150.42 cubic inches  
1 bushel = 4 pecks = 42 quarts = 64 pints  
1 peck = 8 quarts = 16 pints  
1 quart = 2 pints  
1 heaped bushel = 1-1/4 struck bushel  
1 cubic foot = 0.8036 struck bushel  
1 British Imperial bushel = 8 Imperial gallons = 1.2837 cubic foot =  
2218.19 cubic inches

#### Liquid Measure

1 U.S. gallon = 0.1337 cubic foot = 231 cubic inches = 4 quarts = 8 pints  
1 quart = 2 pints = 8 gills  
1 pint = 4 gills  
1 British Imperial gallon = 1.2003 U.S. gallons = 277.27 cubic inches  
1 cubic foot = 7.48 U.S. gallons  
1 barrel = 31.5 U.S. gallons

### METRIC SYSTEM OF MEASUREMENTS

The principle units are the meter for length, the liter for capacity, and the gram for weight.  
The following prefixes are used for sub-divisions and multiples: milli = 1/1000;  
centi = 1/100; deci = 1/10; deca = 10; hecto = 100; kilo = 1000.

#### Measure of Length

10 millimeters(mm) = 1 centimeter  
10 centimeters = 1 decimeter(dm)  
10 decimeters = 1 meter(m)  
100 meters = 1 kilometer(km)

#### Measures of Weight

10 milligrams(mg) = 1 centigram(cg)  
10 centigrams = 1 decigram(dg)  
10 decigrams = 1 gram(g)  
10 grams = 1 decagram(Dg)  
10 decagrams = 1 hectogram(Hg)  
10 hectograms = 1 kilogram(Kg)  
1000 kilograms = 1 (metric) ton (T)

#### Square Measure

100 sq. millimeters(mm<sup>2</sup>) = 1 centigram  
10 sq. centimeters = 1 sq. decimeter(dm<sup>2</sup>)  
100 sq. decimeters = 1 sq. meter(m<sup>2</sup>)

#### Dry and Liquid Measure

10 millimeters(ml) = 1 centiliter(cl)  
10 centiliters = 1 deciliter(dl)  
100 liters = 1 hectoliter(Hl)  
1 liter = 1 cu. decimeter = the volume of 1 Kg of pure  
water at a temperature of 39.2 degrees F.

#### Cubic Measure

1000 cu. millimeters(mm<sup>3</sup>) = 1 cu. centimeter(cm<sup>3</sup>)  
1000 cu. centimeters = 1 cu. decimeter(dm<sup>3</sup>)  
100 cu. decimeters = 1 cu. meter(m<sup>3</sup>)

### Length Conversion Constants for Metric and U.S. Units

Millimeters x .039370 = inches  
Meters x 39.370 = inches  
Meters x 3.2808 = feet  
Meters x 1.09361 = yards  
Kilometers x 3280.8 feet  
Kilometers x .62137 = statute miles  
Kilometers x .53959 = nautical miles  
Inches x 25.4001 = millimeters  
Inches x .0254 = meters  
Feet x .30480 = meters  
Yards x .91440 = meters  
Feet x .0003048 = kilometers  
Statute miles x 1.60935 kilometers  
Nautical miles x 1.85325 = kilometers

### Circular and Angular Measure

60 seconds(") = 1 minute (')  
 60 minutes = 1 degree (°)  
 360 degrees = 1 circumference (C)  
 57.3 degrees = 1 radian  
 2 p radians = 1 circumference (C)

### Temperature

The following equations are useful for converting temperature from one system to another:

F = degrees Fahrenheit; C = degrees Centigrade

Deg. C = (Deg. F 32) x 5/9

Deg. F = (Deg. C x 9/5) + 32

### Avoirdupois or Commercial Weight

1 gross or long ton = 2240 pounds  
 1 net or short ton = 2000 pounds  
 1 pound = 16 ounces = 7000 grains  
 1 ounce = 16 drams = 437.5 grains

### Cubic Measure

1 cubic yard = 27 cubic feet  
 1 cubic foot = 1728 cubic inches  
The following measures are used for wood and masonry:  
 1 cord of wood = 4 x 4 x 8 feet = 128 cubic feet  
 1 perch of masonry = 16-1/2 x 1-1/2 x 1 foot = 24-3/4 cubic feet

### Shipping Measure

For measuring entire internal capacity of a vessel:

1 register ton = 100 cubic feet

For Measurement of Cargo:

1 U.S. shipping ton = 40 cubic feet = 32.143 U.S. bushels =  
 32.16 Imperial bushels  
 British shipping ton = 42 cubic feet = 33.75 U.S. bushels =  
 32.72 Imperial bushels

### Weight Conversion Constants for Metric and U.S. Units

Dynes x .0010193 = grams  
 Grams x 981 = dynes  
 Grams x 15.432 = grains  
 Grams x .03527 = ounces (Avd.)  
 Grams x 0.33818 = fluid ounces (water)  
 Kilograms x 35.27 ounces (Avd.)  
 Kilograms x 2.20462 = pounds (Avd.)  
 Metric Tons (1000 Kg)x 1.0231 = Net  
 ton (2000 lbs.)  
 Metric tons (1000 Kg) x .98421 =  
 gross tons (2240 lbs)  
 Metric tons (1000 Kg)  
 Gross ton (2240 lbs)x 1.01605 =  
 Metric tons (1000 Kg)

### Area Conversion Constants for Metric and U.S. Units

Square millimeters x .00155 = sq. inches  
 Square centimeters x .155 = sq. inches  
 Square meters x 10.76387 = sq. feet  
 Square meters x 1.19599 = sq. yards  
 Hectares x 2.47104 = acres  
 Square kilometers x 247.104 = acres  
 Square kilometers x .3861 = sq. miles  
 Square inches x 645.163 = sq. millimeters  
 Square inches x 6.45163 = sq. centimeters  
 Square feet x .0929 = sq. meters  
 Square yards x .83613 = square meters  
 Acres x .40469 = hectares  
 Acres x .0040469 = sq. kilometers  
 Square miles x 2.5899 = sq. kilometers

### Volume Conversion Constants for Metric and U.S. Units

Cubic centimeters x .033818 = fluid ounces  
 Cubic centimeters x .061023 = cubic inches  
 Cubic centimeters x .271 = fluid drams  
 Liters x 61.023 = cubic inches  
 Liters x 1.05668 = quarts  
 Liters x .26417 = gallons  
 Liters x .035317 = cubic feet  
 Hectoliters x 26.417 = gallons  
 Hectoliters x 3.5317 = cubic feet  
 Hectoliters x 2.83794 = bushel  
 Hectoliters x .1308 cubic yards  
 Cubic meters x 264.17 = gallons  
 Cubic meters x 35.317 = cubic feet  
 Cubic meters x 1.308 = cubic yards  
 Fluid ounces x 29.57 = cubic centimeters  
 Cubic inches x 16.387 = cubic centimeters  
 Fluid drams x 3.69 = cubic centimeters  
 Cubic inches x .016387 = liters  
 Quarts x .94636 = lites  
 Gallons x 3.78543 = liters  
 Cubic feet x 28.316 = liters  
 Gallons x .0378543 = hectoliters  
 Cubic feet x .28316 = hectoliters  
 Bushels x .352379 = hectoliters  
 Cubic yards x 7.645 hectoliters  
 Gallons x .00378543 = cubic meters  
 Cubic feet x .028316 = cubic metes  
 Cubic yards x .7645 = cubic meters



## Power and Heat Conversion Constants for Metric and U.S. Units

Calorie x 0.003968 = B.T.U.

Joules x .7373 = foot pounds

Kilogram-meters x 7.233 = foot pounds

Kilowatts x 1.34 = horsepower

Kilowatt hours x 3415 = B.T.U.

B.T.U. x 252 = calories

Foot pounds x 1.3563 = joules

Foot pounds x 1.3825 = kilogram-meter

Horsepower x .746 = kilowatt

B.T.U. x .00029282 = kilowatt hours

## FRACTIONAL/DECIMAL/METRIC EQUIVALENTS

To convert inches to millimeters, multiply the inches by 25.4.  
To convert millimeters to inches, divide the millimeters by 25.4.  
(As established by the American Standards Association.)

| inches fractional | decimal | inches fractional | decimal | m/m | inches | m/m | inches | m/m | inches | m/m | inches | m/m | inches | m/m | inches  |
|-------------------|---------|-------------------|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|
| 1/64              | .0156   | 33/64             | .5156   | 1   | 0.0394 | 51  | 2.0079 | 101 | 3.9764 | 151 | 5.9449 | 201 | 7.9134 | 251 | 9.8819  |
| 1/32              | .0312   | 17/32             | .5312   | 2   | 0.0787 | 52  | 2.0472 | 102 | 4.0157 | 152 | 5.9843 | 202 | 7.9527 | 252 | 9.9212  |
|                   |         | 35/64             | .5469   | 3   | 0.1181 | 53  | 2.0866 | 103 | 4.0551 | 153 | 6.0236 | 203 | 7.9921 | 253 | 9.9606  |
|                   |         |                   |         | 4   | 0.1575 | 54  | 2.1260 | 104 | 4.0945 | 154 | 6.0630 | 204 | 8.0315 | 254 | 10.0000 |
| 1/16              | .0625   | 9/16              | .5625   | 5   | 0.1969 | 55  | 2.1654 | 105 | 4.1339 | 155 | 6.1024 | 205 | 8.0709 | 255 | 10.0394 |
| 5/64              | .0781   | 37/64             | .5781   | 6   | 0.2362 | 56  | 2.2047 | 106 | 4.1732 | 156 | 6.1417 | 206 | 8.1102 | 256 | 10.0787 |
|                   |         |                   |         | 7   | 0.2756 | 57  | 2.2441 | 107 | 4.2126 | 157 | 6.1811 | 207 | 8.1496 | 257 | 10.1181 |
| 3/32              | .0938   | 19/32             | .5938   | 8   | 0.3150 | 58  | 2.2835 | 108 | 4.2520 | 158 | 6.2205 | 208 | 8.1890 | 258 | 10.1575 |
| 7/64              | .1094   | 39/64             | .6094   | 9   | 0.3543 | 59  | 2.3228 | 109 | 4.2913 | 159 | 6.2598 | 209 | 8.2283 | 259 | 10.1968 |
|                   |         | 5/8               | .6250   | 10  | 0.3937 | 60  | 2.3622 | 110 | 4.3307 | 160 | 6.2992 | 210 | 8.2677 | 260 | 10.2362 |
| 1/8               | .1250   |                   |         | 11  | 0.4331 | 61  | 2.4016 | 111 | 4.3701 | 161 | 6.3386 | 211 | 8.3071 | 261 | 10.2756 |
| 9/64              | .1406   | 41/64             | .6406   | 12  | 0.4724 | 62  | 2.4409 | 112 | 4.4094 | 162 | 6.3780 | 212 | 8.3464 | 262 | 10.3149 |
| 5/32              | .1562   | 21/32             | .6562   | 13  | 0.5118 | 63  | 2.4803 | 113 | 4.4488 | 163 | 6.4173 | 213 | 8.3858 | 263 | 10.3543 |
|                   |         | 43/64             | .6719   | 14  | 0.5512 | 64  | 2.5197 | 114 | 4.4882 | 164 | 6.4567 | 214 | 8.4252 | 264 | 10.3937 |
| 11/64             | .1719   | 11/16             | .6875   | 15  | 0.5906 | 65  | 2.5591 | 115 | 4.5276 | 165 | 6.4961 | 215 | 8.4646 | 265 | 10.4331 |
| 3/16              | .1875   | 45/64             | .7031   | 16  | 0.6299 | 66  | 2.5984 | 116 | 4.5669 | 166 | 6.5354 | 216 | 8.5039 | 266 | 10.4724 |
|                   |         |                   |         | 17  | 0.6693 | 67  | 2.6378 | 117 | 4.6063 | 167 | 6.5748 | 217 | 8.5433 | 267 | 10.5118 |
| 13/64             | .2031   | 23/32             | .7188   | 18  | 0.7087 | 68  | 2.6772 | 118 | 4.6457 | 168 | 6.6142 | 218 | 8.5827 | 268 | 10.5512 |
| 7/32              | .2188   | 47/64             | .7344   | 19  | 0.7480 | 69  | 2.7165 | 119 | 4.6850 | 169 | 6.6535 | 219 | 8.6220 | 269 | 10.5905 |
| 15/64             | .2344   |                   |         | 20  | 0.7874 | 70  | 2.7559 | 120 | 4.7244 | 170 | 6.6929 | 220 | 8.6614 | 270 | 10.6299 |
|                   |         |                   |         | 21  | 0.8268 | 71  | 2.7953 | 121 | 4.7638 | 171 | 6.7323 | 221 | 8.7008 | 271 | 10.6693 |
| 1/4               | .2500   | 3/4               | .7500   | 22  | 0.8661 | 72  | 2.8346 | 122 | 4.8031 | 172 | 6.7717 | 222 | 8.7401 | 272 | 10.7086 |
| 17/64             | .2656   | 49/64             | .7656   | 23  | 0.9055 | 73  | 2.8740 | 123 | 4.8425 | 173 | 6.8110 | 223 | 8.7795 | 273 | 10.7480 |
|                   |         | 25/32             | .7812   | 24  | 0.9449 | 74  | 2.9134 | 124 | 4.8819 | 174 | 6.8504 | 224 | 8.8189 | 274 | 10.7874 |
| 9/32              | .2812   |                   |         | 25  | 0.9843 | 75  | 2.9528 | 125 | 4.9213 | 175 | 6.8898 | 225 | 8.8583 | 275 | 10.8268 |
| 19/64             | .2969   | 51/64             | .7969   | 26  | 1.0236 | 76  | 2.9921 | 126 | 4.9606 | 176 | 6.9291 | 226 | 8.8976 | 276 | 10.8661 |
| 5/16              | .3125   | 13/16             | .8125   | 27  | 1.0630 | 77  | 3.0315 | 127 | 5.0000 | 177 | 6.9685 | 227 | 8.9370 | 277 | 10.9055 |
|                   |         |                   |         | 28  | 1.1024 | 78  | 3.0709 | 128 | 5.0394 | 178 | 7.0079 | 228 | 8.9764 | 278 | 10.9449 |
| 21/64             | .3281   | 53/64             | .8281   | 29  | 1.1417 | 79  | 3.1102 | 129 | 5.0787 | 179 | 7.0472 | 229 | 9.0157 | 279 | 10.9842 |
| 11/32             | .3438   | 27/32             | .8438   | 30  | 1.1811 | 80  | 3.1496 | 130 | 5.1181 | 180 | 7.0866 | 230 | 9.0551 | 280 | 11.0236 |
|                   |         | 55/64             | .8594   | 31  | 1.2205 | 81  | 3.1890 | 131 | 5.1575 | 181 | 7.1260 | 231 | 9.0945 | 281 | 11.0630 |
| 23/64             | .3594   |                   |         | 32  | 1.2598 | 82  | 3.2283 | 132 | 5.1969 | 182 | 7.1654 | 232 | 9.1338 | 282 | 11.1023 |
| 3/8               | .3750   | 7/8               | .8750   | 33  | 1.2992 | 83  | 3.2677 | 133 | 5.2362 | 183 | 7.2047 | 233 | 9.1732 | 283 | 11.1417 |
| 25/64             | .3906   | 57/64             | .8906   | 34  | 1.3386 | 84  | 3.3071 | 134 | 5.2756 | 184 | 7.2441 | 234 | 9.2126 | 284 | 11.1811 |
|                   |         |                   |         | 35  | 1.3780 | 85  | 3.3465 | 135 | 5.3150 | 185 | 7.2835 | 235 | 9.2520 | 285 | 11.2205 |
| 13/32             | .4062   | 29/32             | .9062   | 36  | 1.4173 | 86  | 3.3858 | 136 | 5.3543 | 186 | 7.3228 | 236 | 9.2913 | 286 | 11.2598 |
| 27/64             | .4219   | 59/64             | .9219   | 37  | 1.4567 | 87  | 3.4252 | 137 | 5.3937 | 187 | 7.3622 | 237 | 9.3307 | 287 | 11.2992 |
|                   |         | 15/16             | .9375   | 38  | 1.4961 | 88  | 3.4646 | 138 | 5.4331 | 188 | 7.4016 | 238 | 9.3701 | 288 | 11.3386 |
| 7/16              | .4375   |                   |         | 39  | 1.5354 | 89  | 3.5039 | 139 | 5.4724 | 189 | 7.4409 | 239 | 9.4094 | 289 | 11.3779 |
| 29/64             | .4531   | 61/64             | .9531   | 40  | 1.5748 | 90  | 3.5433 | 140 | 5.5118 | 190 | 7.4803 | 240 | 9.4488 | 290 | 11.4173 |
| 15/32             | .4688   | 31/32             | .9688   | 41  | 1.6142 | 91  | 3.5827 | 141 | 5.5512 | 191 | 7.5197 | 241 | 9.4882 | 291 | 11.4567 |
|                   |         |                   |         | 42  | 1.6535 | 92  | 3.6220 | 142 | 5.5906 | 192 | 7.5591 | 242 | 9.5275 | 292 | 11.4960 |
| 31/64             | .4844   | 63/64             | .9844   | 43  | 1.6929 | 93  | 3.6614 | 143 | 5.6299 | 193 | 7.5984 | 243 | 9.5669 | 293 | 11.5354 |
| 1/2               | .5000   | 1                 | 1.0000  | 44  | 1.7323 | 94  | 3.7008 | 144 | 5.6693 | 194 | 7.6378 | 244 | 9.6063 | 294 | 11.5748 |
|                   |         |                   |         | 45  | 1.7717 | 95  | 3.7402 | 145 | 5.7087 | 195 | 7.6772 | 245 | 9.6457 | 295 | 11.6142 |
|                   |         |                   |         | 46  | 1.8110 | 96  | 3.7795 | 146 | 5.7480 | 196 | 7.7165 | 246 | 9.6850 | 296 | 11.6535 |
|                   |         |                   |         | 47  | 1.8504 | 97  | 3.8189 | 147 | 5.7874 | 197 | 7.7559 | 247 | 9.7244 | 297 | 11.6929 |
|                   |         |                   |         | 48  | 1.8898 | 98  | 3.8583 | 148 | 5.8268 | 198 | 7.7953 | 248 | 9.7638 | 298 | 11.7323 |
|                   |         |                   |         | 49  | 1.9291 | 99  | 3.8976 | 149 | 5.8661 | 199 | 7.8346 | 249 | 9.8031 | 299 | 11.7716 |
|                   |         |                   |         | 50  | 1.9685 | 100 | 3.9370 | 150 | 5.9055 | 200 | 7.8740 | 250 | 9.8425 | 300 | 11.8110 |

