

MPC[®] Synchronous Sprockets



Bushing Options

PB Minimum Plain Bore
F QD - Air Cooler Heat
No prefix Taper Bushed

F 8MX 22S 12 - SH

Bushing Options

QD JA, SH, SDS... S
TB 1008, 1108... 120100

Belt Pitch

8mm
14mm

Belt Width (mm)

12, 21, 36, 62
20, 37, 68, 90, 125

Number of Teeth "S" identifies it as an MPC[®]

Introducing our newest synchronous sprocket.

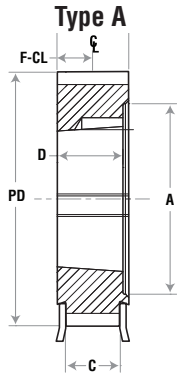
The addition of our MPC[®] sprocket line makes Martin your one-stop-shop for all your synchronous sprocket needs. Match your sprocket to your favorite belt.

MPC[®] synchronous sprockets are available in your desired configuration.

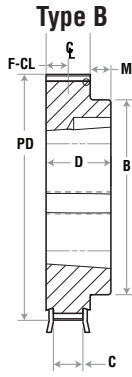
- Available in 8mm and 14mm pitches.
- Belt widths:
 12mm, 21mm, 36mm, 62mm (8mm pitch)
 20mm, 37mm, 68mm, 90mm, 125mm (14mm pitch)
- Available in QD, TB or other special adapters.
- Special diameters and widths, as well as special materials, are also available.

MPC® Sprockets

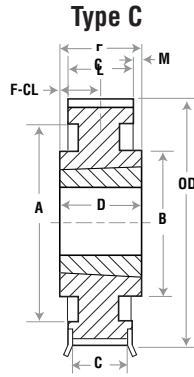
8mm



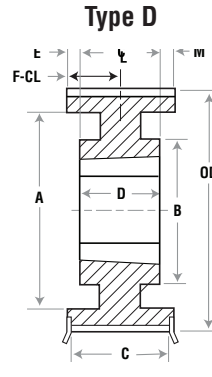
Type AF



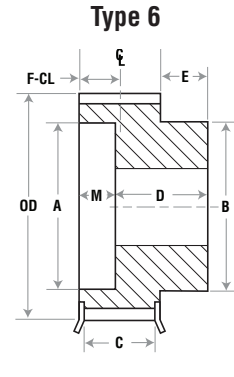
Type BF



Type CF



Type DF



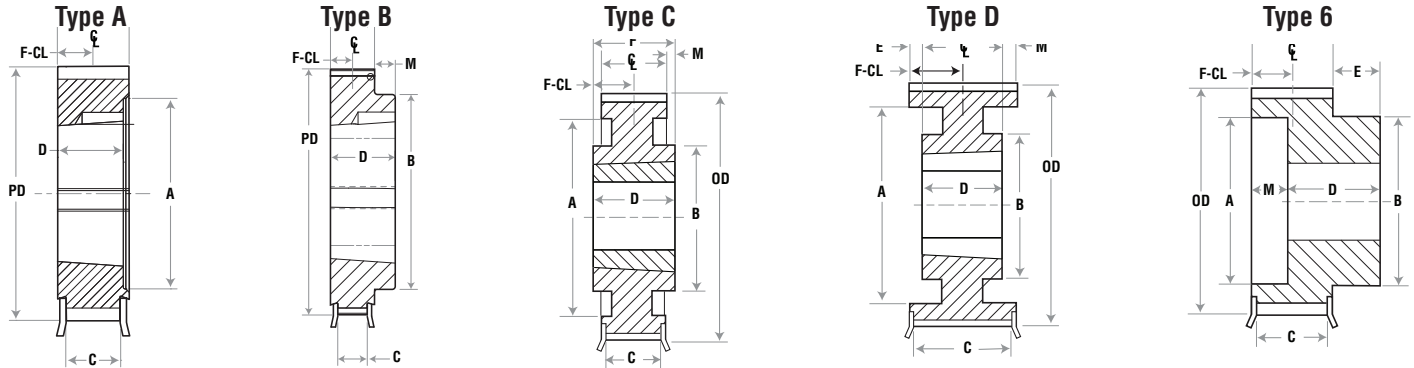
Type 6F

8mm Pitch — 12mm Wide Belt

| No. of Teeth | Catalog Number | Bore | Pitch Diameter | Diameter | | Type | Max Bore | Dimensions | | | | | | | Weight Approx. (lbs.) | |
|--|----------------|------|----------------|----------|-----------------|------|----------|------------|------|------|------|------|------|------|-----------------------|------|
| | | | | O.D. | Max Flange O.D. | | | A | B | C | D | E | F | M | | F-CL |
| MBP 8mm Pitch, 12mm (0.47 in.) Wide Belts (8M -12) | | | | | | | | | | | | | | | | |
| 22 | PB8MX22S12 | 1/2 | 2.206 | 2.143 | 2.61 | 6F-1 | 1.188 | - | 1.79 | 0.57 | 1.31 | 0.46 | 0.82 | - | 0.41 | 1.1 |
| 25 | PB8MX25S12 | 1/2 | 2.506 | 2.443 | 2.91 | 6F-1 | 1.500 | - | 2.08 | 0.57 | 1.31 | 0.46 | 0.82 | - | 0.41 | 1.5 |
| 28 | PB8MX28S12 | 1/2 | 2.807 | 2.744 | 3.21 | 6F-1 | 1.750 | - | 2.34 | 0.57 | 1.31 | 0.46 | 0.82 | - | 0.41 | 1.9 |
| 30 | PB8MX30S12 | 1/2 | 3.008 | 2.945 | 3.41 | 6F-1 | 1.813 | - | 2.54 | 0.57 | 1.42 | 0.57 | 0.82 | - | 0.41 | 2.3 |
| 32 | PB8MX32S12 | 1/2 | 3.208 | 3.145 | 3.61 | 6F-1 | 2 | - | 2.73 | 0.57 | 1.42 | 0.57 | 0.82 | - | 0.41 | 2.7 |
| Taper Bushed 8mm Pitch, 12mm (0.47 in.) Wide Belts (8M -12) | | | | | | | | | | | | | | | | |
| 22 | 8MX22S12-1008 | 1008 | 2.206 | 2.143 | 2.61 | AF-1 | 1 | - | - | 0.63 | 0.88 | - | 0.88 | - | 0.44 | 0.5 |
| 25 | 8MX25S12-1108 | 1108 | 2.506 | 2.443 | 2.91 | AF-1 | 1.125 | - | - | 0.63 | 0.88 | - | 0.88 | - | 0.44 | 0.7 |
| 26 | 8MX26S12-1108 | 1108 | 2.607 | 2.584 | 2.906 | AF-1 | 1.125 | - | - | 0.63 | 0.88 | - | 0.88 | - | 0.44 | 0.8 |
| 27 | 8MX27S12-1108 | 1108 | 2.707 | 2.644 | 3.207 | AF-1 | 1.125 | - | - | 0.63 | 0.88 | - | 0.88 | - | 0.44 | 0.9 |
| 28 | 8MX28S12-1108 | 1108 | 2.807 | 2.744 | 3.21 | AF-1 | 1.125 | - | - | 0.63 | 0.88 | - | 0.88 | - | 0.44 | 1.0 |
| 29 | 8MX29S12-1108 | 1108 | 2.907 | 2.844 | 3.09 | AF-1 | 1.125 | - | - | 0.63 | 0.88 | - | 0.88 | - | 0.44 | 1.2 |
| 30 | 8MX30S12-1108 | 1108 | 3.008 | 2.945 | 3.41 | AF-1 | 1.125 | - | - | 0.63 | 0.88 | - | 0.88 | - | 0.44 | 1.3 |
| 31 | 8MX31S12-1210 | 1210 | 3.108 | 3.045 | 3.328 | AF-1 | 1.25 | - | - | 0.75 | 1 | - | 1 | - | 0.5 | 1.3 |
| 32 | 8MX32S12-1210 | 1210 | 3.208 | 3.145 | 3.61 | AF-1 | 1.25 | - | - | 0.75 | 1 | - | 1 | - | 0.5 | 1.4 |
| 33 | 8MX33S12-1610 | 1610 | 3.308 | 3.245 | 3.566 | AF-1 | 1.625 | - | - | 0.75 | 1 | - | 1 | - | 0.5 | 1.3 |
| 34 | 8MX34S12-1610 | 1610 | 3.409 | 3.346 | 3.81 | AF-1 | 1.625 | - | - | 0.75 | 1 | - | 1 | - | 0.5 | 1.3 |
| 35 | 8MX35S12-1610 | 1610 | 3.509 | 3.446 | 3.805 | AF-1 | 1.625 | - | - | 0.75 | 1 | - | 1 | - | 0.5 | 1.3 |
| 36 | 8MX36S12-1610 | 1610 | 3.609 | 3.456 | 4.01 | AF-1 | 1.625 | - | - | 0.75 | 1 | - | 1 | - | 0.5 | 1.2 |
| 37 | 8MX37S12-1610 | 1610 | 3.709 | 3.646 | 4.044 | AF-1 | 1.625 | - | - | 0.75 | 1 | - | 1 | - | 0.5 | 1.6 |
| 38 | 8MX38S12-1610 | 1610 | 3.810 | 3.747 | 4.21 | AF-1 | 1.62 | - | - | 0.75 | 1 | - | 1 | - | 0.5 | 1.7 |
| 39 | 8MX39S12-1610 | 1610 | 3.910 | 3.847 | 4.41 | AF-1 | 1.625 | - | - | 0.75 | 1 | - | 1 | - | 0.5 | 1.7 |
| 40 | 8MX40S12-2012 | 2012 | 4.010 | 3.947 | 4.41 | BF-1 | 2 | - | 3.56 | 0.57 | 1.25 | - | 0.82 | 0.43 | 0.41 | 1.7 |
| 41 | 8MX41S12-2012 | 2012 | 4.110 | 4.047 | 4.52 | BF-1 | 2 | - | 3.65 | 0.65 | 1.25 | - | 0.82 | 0.43 | 0.41 | 1.8 |
| 42 | 8MX42S12-2012 | 2012 | 4.211 | 4.148 | 4.91 | BF-1 | 2 | - | 3.76 | 0.57 | 1.25 | - | 0.82 | 0.43 | 0.41 | 2.2 |
| 45 | 8MX45S12-2012 | 2012 | 4.511 | 4.448 | 4.91 | BF-1 | 2 | - | 3.76 | 0.57 | 1.25 | - | 0.82 | 0.43 | 0.41 | 2.5 |
| 48 | 8MX48S12-2012 | 2012 | 4.812 | 4.749 | 5.21 | BF-1 | 2 | - | 3.76 | 0.57 | 1.25 | - | 0.82 | 0.43 | 0.41 | 3.4 |
| 50 | 8MX50S12-2012 | 2012 | 5.013 | 4.950 | 5.41 | BF-1 | 2 | - | 3.76 | 0.57 | 1.25 | - | 0.82 | 0.43 | 0.41 | 3.7 |
| 53 | 8MX53S12-2012 | 2012 | 5.314 | 5.251 | 5.5 | BF-1 | 2 | - | 3.76 | 0.57 | 1.25 | - | 0.82 | 0.43 | 0.41 | 4.7 |
| 56 | 8MX56S12-2012 | 2012 | 5.614 | 5.551 | 6.01 | BF-1 | 2 | - | 3.76 | 0.57 | 1.25 | - | 0.82 | 0.43 | 0.41 | 5.4 |
| 60 | 8MX60S12-2012 | 2012 | 6.015 | 5.952 | 6.41 | BF-1 | 2 | - | 3.76 | 0.57 | 1.25 | - | 0.82 | 0.43 | 0.41 | 6.3 |
| 63 | 8MX63S12-2012 | 2012 | 6.316 | 6.253 | 6.72 | CF-1 | 2 | 5.71 | 4 | 0.57 | 1.25 | - | 0.82 | 0.43 | 0.41 | 5.6 |
| 67 | 8MX67S12-2012 | 2012 | 6.717 | 6.654 | 6.87 | CF-1 | 2 | 6.14 | 4 | 0.57 | 1.25 | - | 0.82 | 0.43 | 0.41 | 4.3 |
| 71 | 8MX71S12-2012 | 2012 | 7.118 | 7.055 | 7.5 | CF-1 | 2 | 6.51 | 4 | 0.57 | 1.25 | - | 0.82 | 0.43 | 0.41 | 4.7 |
| 75 | 8MX75S12-2012 | 2012 | 7.519 | 7.456 | 7.92 | CF-1 | 2 | 6.9 | 4 | 0.57 | 1.25 | - | 0.82 | 0.43 | 0.41 | 5.1 |
| 80 | 8MX80S12-2012 | 2012 | 8.020 | 7.957 | 8.42 | CF-1 | 2 | 7.23 | 4 | 0.57 | 1.25 | - | 0.82 | 0.43 | 0.41 | 5.8 |
| 90 | 8MX90S12-2012 | 2012 | 9.023 | 8.96 | - | C-2 | 2 | 8.05 | 4 | - | 1.25 | - | 0.82 | 0.43 | 0.41 | 9.4 |
| 112 | 8MX112S12-2012 | 2012 | 11.229 | 11.166 | - | C-2 | 2 | 10.25 | 4 | - | 1.25 | - | 0.82 | 0.43 | 0.41 | 16.6 |
| 140 | 8MX140S12-2012 | 2012 | 14.036 | 13.973 | - | C-3 | 2 | 11.96 | 4.38 | - | 1.25 | - | 0.82 | 0.43 | 0.41 | 17.3 |
| 180 | 8MX180S12-2517 | 2517 | 18.046 | 17.893 | - | C-3 | 2.5 | 15.8 | 4.88 | - | 1.75 | - | 0.82 | 0.93 | 0.41 | 30.0 |
| 224 | 8MX224S12-2517 | 2517 | 22.457 | 22.394 | - | C-3 | 2.5 | 20.17 | 4.88 | - | 1.75 | - | 0.82 | 0.93 | 0.41 | 41.2 |

Type: 1-Solid 2-Web 3-Arms F=Flanged

Weights for Minimum Plain Bore (MPB) Sprockets are with minimum bore. Weights for Bushed Sprockets less bushing. Dimensions in Inches. Weight in pounds.



Type AF Type BF Type CF Type DF Type 6F
8mm Pitch — 21mm Wide Belt

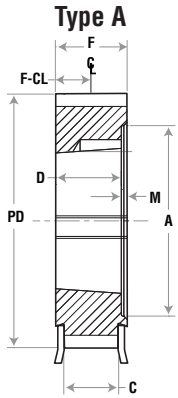
| No. of Teeth | Catalog Number | Bore | Pitch Diameter | Diameter | | Type | Max Bore | Dimensions | | | | | | | Weight Approx. (lbs.) | |
|--|----------------|------|----------------|----------|-----------------|------|----------|------------|------|------|------|------|------|------|-----------------------|------|
| | | | | O.D. | Max Flange O.D. | | | A | B | C | D | E | F | M | | F-CL |
| MBP 8mm Pitch, 21mm (0.83 in.) Wide Belts (8M -21) | | | | | | | | | | | | | | | | |
| 22 | PB8MX22S21 | MPB | 2.206 | 2.143 | 2.61 | 6F-1 | 1.188 | - | 1.79 | 0.92 | 1.65 | 0.45 | 1.2 | - | 0.60 | 1.3 |
| 25 | PB8MX25S21 | MPB | 2.506 | 2.443 | 2.91 | 6F-1 | 1.5 | - | 2.08 | 0.92 | 1.65 | 0.45 | 1.2 | - | 0.60 | 1.8 |
| 28 | PB8MX28S21 | MPB | 2.807 | 2.744 | 3.21 | 6F-1 | 1.75 | - | 2.34 | 0.92 | 1.65 | 0.45 | 1.2 | - | 0.60 | 2.3 |
| 30 | PB8MX30S21 | MPB | 3.008 | 2.945 | 3.41 | 6F-1 | 1.813 | - | 2.54 | 0.92 | 1.77 | 0.57 | 1.2 | - | 0.60 | 2.8 |
| 32 | PB8MX32S21 | MPB | 3.208 | 3.145 | 3.61 | 6F-1 | 2 | - | 2.73 | 0.92 | 1.77 | 0.57 | 1.2 | - | 0.60 | 3.2 |
| Taper Bushed 8mm Pitch, 21mm (0.83 in.) Wide Belts (8M -21) | | | | | | | | | | | | | | | | |
| 22 | 8MX22S21-1008 | 1008 | 2.206 | 2.143 | 2.61 | AF-1 | 1 | 1.63 | - | 0.92 | 0.88 | - | 1.2 | - | 0.60 | 0.6 |
| 25 | 8MX25S21-1108 | 1108 | 2.506 | 2.443 | 2.91 | AF-1 | 1.125 | 1.92 | - | 0.92 | 0.88 | - | 1.2 | - | 0.60 | 0.8 |
| 26 | 8MX26S21-1108 | 1108 | 2.607 | 2.906 | 2.906 | AF-1 | 1.125 | 1.85 | - | 0.92 | 0.88 | - | 1.2 | - | 0.60 | 0.8 |
| 27 | 8MX27S21-1108 | 1108 | 2.707 | 2.644 | 3.207 | AF-1 | 1.125 | 1.95 | - | 0.92 | 0.88 | - | 1.2 | - | 0.60 | 1.0 |
| 28 | 8MX28S21-1108 | 1108 | 2.807 | 2.744 | 3.21 | AF-1 | 1.125 | 2.18 | - | 0.92 | 0.88 | - | 1.2 | - | 0.60 | 1.1 |
| 29 | 8MX29S21-1108 | 1108 | 2.907 | 2.844 | 3.09 | AF-1 | 1.125 | 2.15 | - | 0.92 | 0.88 | - | 1.2 | - | 0.60 | 1.4 |
| 30 | 8MX30S21-1108 | 1108 | 3.008 | 2.945 | 3.41 | AF-1 | 1.125 | 2.38 | - | 0.92 | 0.88 | - | 1.2 | - | 0.60 | 1.5 |
| 31 | 8MX31S21-1210 | 1210 | 3.108 | 3.045 | 3.328 | AF-1 | 1.25 | 2.35 | - | 0.92 | 1.00 | - | 1.2 | - | 0.60 | 1.6 |
| 32 | 8MX32S21-1210 | 1210 | 3.208 | 3.145 | 3.61 | AF-1 | 1.25 | 2.58 | - | 0.92 | 1.00 | - | 1.2 | - | 0.60 | 3.0 |
| 33 | 8MX33S21-1610 | 1610 | 3.308 | 3.245 | 3.566 | AF-1 | 1.625 | 2.66 | - | 0.92 | 1.00 | - | 1.2 | - | 0.60 | 1.4 |
| 34 | 8MX34S21-1610 | 1610 | 3.409 | 3.346 | 3.81 | AF-1 | 1.625 | 2.66 | - | 0.92 | 1.00 | - | 1.2 | - | 0.60 | 1.9 |
| 35 | 8MX35S21-1610 | 1610 | 3.509 | 3.446 | 3.805 | AF-1 | 1.625 | 2.75 | - | 0.92 | 1.00 | - | 1.2 | - | 0.60 | 1.5 |
| 36 | 8MX36S21-1610 | 1610 | 3.609 | 3.456 | 4.01 | AF-1 | 1.625 | 2.96 | - | 0.92 | 1.00 | - | 1.2 | - | 0.60 | 1.6 |
| 37 | 8MX37S21-1610 | 1610 | 3.709 | 3.646 | 4.044 | AF-1 | 1.625 | 2.95 | - | 0.92 | 1.00 | - | 1.2 | - | 0.60 | 1.7 |
| 38 | 8MX38S21-1610 | 1610 | 3.810 | 3.747 | 4.21 | AF-1 | 1.625 | 3.15 | - | 0.92 | 1.00 | - | 1.2 | - | 0.60 | 1.9 |
| 39 | 8MX39S21-1610 | 1610 | 3.910 | 3.847 | 4.41 | AF-1 | 1.625 | 3.14 | - | 0.92 | 1.00 | - | 1.2 | - | 0.60 | 2.0 |
| 40 | 8MX40S21-2012 | 2012 | 4.010 | 3.947 | 4.41 | AF-1 | 2 | - | - | 0.97 | 1.25 | - | 1.25 | - | 0.63 | 2.0 |
| 41 | 8MX41S21-2012 | 2012 | 4.110 | 4.047 | 4.52 | BF-1 | 2 | - | 3.4 | 1 | 1.25 | - | 1.20 | - | 0.60 | 2.2 |
| 42 | 8MX42S21-2012 | 2012 | 4.211 | 4.148 | 4.91 | AF-1 | 2 | - | - | 0.97 | 1.25 | - | 1.25 | - | 0.63 | 2.4 |
| 45 | 8MX45S21-2012 | 2012 | 4.511 | 4.448 | 4.91 | AF-1 | 2 | - | - | 0.97 | 1.25 | - | 1.25 | - | 0.63 | 3.0 |
| 48 | 8MX48S21-2012 | 2012 | 4.812 | 4.749 | 5.21 | AF-1 | 2 | - | - | 0.97 | 1.25 | - | 1.25 | - | 0.63 | 3.4 |
| 50 | 8MX50S21-2012 | 2012 | 5.013 | 4.95 | 5.41 | AF-1 | 2 | - | - | 0.97 | 1.25 | - | 1.25 | - | 0.63 | 4.2 |
| 53 | 8MX53S21-2012 | 2012 | 5.314 | 5.251 | 5.5 | AF-1 | 2 | - | - | 0.97 | 1.25 | - | 1.25 | - | 0.63 | 5.0 |
| 56 | 8MX56S21-2012 | 2012 | 5.614 | 5.551 | 6.01 | AF-1 | 2 | - | - | 0.97 | 1.25 | - | 1.25 | - | 0.63 | 4.9 |
| 60 | 8MX60S21-2012 | 2012 | 6.015 | 5.952 | 6.41 | AF-1 | 2 | - | - | 0.97 | 1.25 | - | 1.25 | - | 0.63 | 6.9 |
| 63 | 8MX63S21-2012 | 2012 | 6.316 | 6.253 | 6.72 | CF-1 | 2 | 5.71 | 3.76 | 0.92 | 1.25 | - | 1.20 | 0.05 | 0.60 | 7.7 |
| 67 | 8MX67S21-2517 | 2517 | 6.717 | 6.654 | 6.87 | CF-1 | 2.5 | 6.14 | 4.5 | 0.92 | 1.75 | - | 1.20 | 0.55 | 0.60 | 5.7 |
| 71 | 8MX71S21-2517 | 2517 | 7.118 | 7.055 | 7.5 | CF-1 | 2.5 | 6.51 | 4.5 | 0.92 | 1.75 | - | 1.20 | 0.55 | 0.60 | 6.1 |
| 75 | 8MX75S21-2517 | 2517 | 7.519 | 7.456 | 7.92 | CF-1 | 2.5 | 6.9 | 4.5 | 0.92 | 1.75 | - | 1.20 | 0.55 | 0.60 | 9.2 |
| 80 | 8MX80S21-2517 | 2517 | 8.020 | 7.957 | 8.42 | CF-1 | 2.5 | 7.23 | 4.5 | 0.92 | 1.75 | - | 1.20 | 0.55 | 0.60 | 7.5 |
| 90 | 8MX90S21-2517 | 2517 | 9.023 | 8.96 | - | C-2 | 2.5 | 7.78 | 4.5 | - | 1.75 | - | 1.20 | 0.55 | 0.60 | 11.0 |
| 112 | 8MX112S21-2517 | 2517 | 11.229 | 11.166 | - | C-2 | 2.5 | 10 | 4.5 | - | 1.75 | - | 1.20 | 0.55 | 0.60 | 19.4 |
| 140 | 8MX140S21-2517 | 2517 | 14.036 | 13.973 | - | C-3 | 2.5 | 11.74 | 4.88 | - | 1.75 | - | 1.20 | 0.55 | 0.60 | 26.8 |
| 180 | 8MX180S21-3020 | 3020 | 18.046 | 17.893 | - | C-3 | 3 | 15.49 | 6.25 | - | 2.00 | - | 1.20 | 0.80 | 0.60 | 36.6 |
| 224 | 8MX224S21-3020 | 3020 | 22.457 | 22.394 | - | C-3 | 3 | 19.86 | 6.25 | - | 2.00 | - | 1.20 | 0.80 | 0.60 | 50.1 |

Type: 1-Solid 2-Web 3-Arms F-Flanged

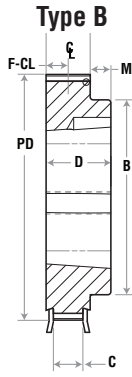
NOTE: Weights for Minimum Plain Bore (MPB) Sprockets are with minimum bore. Weights for Bushed Sprockets less bushing. Dimensions in Inches. Weight in pounds.

MPC® Sprockets

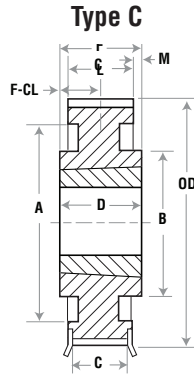
8mm



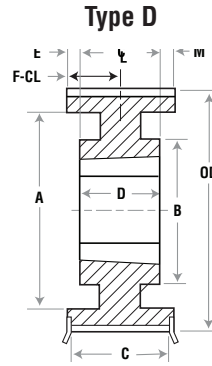
Type AF



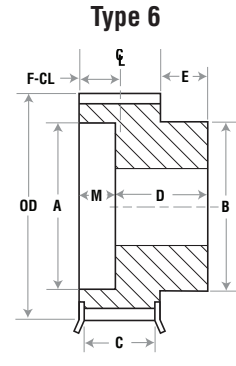
Type BF



Type CF



Type DF



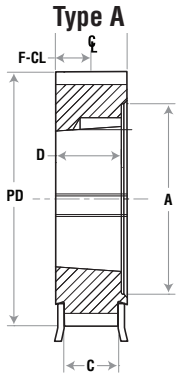
Type 6F

8mm Pitch — 36mm Wide Belt

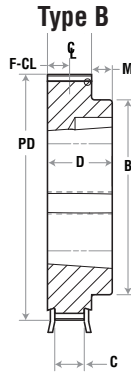
| No. of Teeth | Catalog Number | Bore | Pitch Diameter | Diameter | | Type | Max Bore | Dimensions | | | | | | | | Weight Approx. (lbs.) |
|--|----------------|------|----------------|----------|-----------------|------|----------|------------|------|------|------|-----|------|------|------|-----------------------|
| | | | | O.D. | Max Flange O.D. | | | A | B | C | D | E | F | M | F-CL | |
| MBP 8mm Pitch, 36mm (1.42 in.) Wide Belts (8M -36) | | | | | | | | | | | | | | | | |
| 22 | PB8MX22S36 | MPB | 2.206 | 2.143 | 2.61 | 6F-1 | 1.188 | - | 1.79 | 1.58 | 2.44 | .58 | 1.86 | - | 0.93 | 2.0 |
| 25 | PB8MX25S36 | MPB | 2.506 | 2.443 | 2.91 | 6F-1 | 1.500 | - | 2.08 | 1.58 | 2.44 | .58 | 1.86 | - | 0.93 | 2.7 |
| 28 | PB8MX28S36 | MPB | 2.807 | 2.744 | 3.21 | 6F-1 | 1.750 | - | 2.34 | 1.58 | 2.44 | .58 | 1.86 | - | 0.93 | 3.5 |
| 30 | PB8MX30S36 | MPB | 3.008 | 2.945 | 3.41 | 6F-1 | 1.813 | - | 2.54 | 1.58 | 2.44 | .58 | 1.86 | - | 0.93 | 4.1 |
| 32 | PB8MX32S36 | MPB | 3.208 | 3.145 | 3.61 | 6F-1 | 2 | - | 2.73 | 1.58 | 2.44 | .58 | 1.86 | - | 0.93 | 3.9 |
| 34 | PB8MX34S36 | MPB | 3.409 | 3.346 | 3.81 | 6F-1 | 2.125 | - | 2.82 | 1.58 | 2.45 | .59 | 1.86 | - | 0.93 | 4.3 |
| 36 | PB8MX36S36 | MPB | 3.609 | 3.546 | 4.01 | 6F-1 | 2.313 | - | 3.13 | 1.58 | 2.51 | .65 | 1.86 | - | 0.93 | 5.9 |
| 38 | PB8MX38S36 | MPB | 3.81 | 3.747 | 4.21 | 6F-1 | 2.438 | - | 3.32 | 1.58 | 2.51 | .65 | 1.86 | - | 0.93 | 6.7 |
| Taper Bushed 8mm Pitch, 36mm (1.42 in.) Wide Belts (8M -36) | | | | | | | | | | | | | | | | |
| 32 | 8MX32S36-1210 | 1210 | 3.208 | 3.145 | 3.61 | AF-1 | 1.250 | 2.58 | - | 1.58 | 1 | - | 1.83 | 0.83 | 0.93 | 2.0 |
| 33 | 8MX33S36-1610 | 1610 | 3.308 | 3.245 | 3.566 | AF-1 | 1.625 | 2.56 | - | 1.66 | 1 | - | 1.83 | 0.83 | 0.93 | 1.7 |
| 34 | 8MX34S36-1610 | 1610 | 3.409 | 3.346 | 3.81 | AF-1 | 1.625 | 2.66 | - | 1.58 | 1 | - | 1.83 | 0.83 | 0.93 | 1.8 |
| 35 | 8MX35S36-1610 | 1610 | 3.509 | 3.446 | 3.805 | AF-1 | 1.625 | 2.76 | - | 1.66 | 1 | - | 1.83 | 0.83 | 0.93 | 2.0 |
| 36 | 8MX36S36-1610 | 1610 | 3.609 | 3.546 | 4.01 | AF-1 | 1.625 | 2.96 | - | 1.58 | 1 | - | 1.83 | 0.83 | 0.93 | 2.7 |
| 37 | 8MX37S36-1610 | 1610 | 3.709 | 3.646 | 4.044 | AF-1 | 1.625 | 2.9 | - | 1.66 | 1 | - | 1.83 | 0.83 | 0.93 | 2.1 |
| 38 | 8MX38S36-1610 | 1610 | 3.81 | 3.747 | 4.21 | AF-1 | 1.625 | 3.15 | - | 1.58 | 1 | - | 1.83 | 0.83 | 0.93 | 2.9 |
| 39 | 8MX39S36-1610 | 1610 | 3.91 | 3.847 | 4.41 | AF-1 | 1.625 | 3.1 | - | 1.58 | 1 | - | 1.83 | 0.83 | 0.93 | 2.4 |
| 40 | 8MX40S36-2012 | 2012 | 4.01 | 3.947 | 4.41 | AF-1 | 2 | 3.35 | - | 1.58 | 1.25 | - | 1.83 | 0.58 | 0.93 | 2.5 |
| 41 | 8MX41S36-2012 | 2012 | 4.11 | 4.047 | 4.52 | AF-1 | 2 | 3.36 | - | 1.58 | 1.25 | - | 1.83 | 0.58 | 0.93 | 2.4 |
| 42 | 8MX42S36-2012 | 2012 | 4.211 | 4.148 | 4.91 | AF-1 | 2 | 3.62 | - | 1.58 | 1.25 | - | 1.83 | 0.58 | 0.93 | 2.8 |
| 45 | 8MX45S36-2012 | 2012 | 4.511 | 4.448 | 4.91 | AF-1 | 2 | 3.62 | - | 1.58 | 1.25 | - | 1.83 | 0.58 | 0.93 | 4.0 |
| 48 | 8MX48S36-2012 | 2012 | 4.812 | 4.749 | 5.21 | AF-1 | 2 | 4.14 | - | 1.58 | 1.25 | - | 1.83 | 0.58 | 0.93 | 4.3 |
| 50 | 8MX50S36-2012 | 2012 | 5.013 | 4.95 | 5.41 | AF-1 | 2 | 4.13 | - | 1.58 | 1.25 | - | 1.83 | 0.58 | 0.93 | 5.1 |
| 53 | 8MX53S36-2012 | 2012 | 5.314 | 5.251 | 5.5 | AF-1 | 2 | 4.76 | - | 1.58 | 1.25 | - | 1.83 | 0.58 | 0.93 | 6.0 |
| 56 | 8MX56S36-2012 | 2012 | 5.614 | 5.551 | 6.01 | AF-1 | 2 | 4.92 | - | 1.58 | 1.25 | - | 1.83 | 0.58 | 0.93 | 6.5 |
| 60 | 8MX60S36-2517 | 2517 | 6.015 | 5.952 | 6.42 | AF-1 | 2.5 | 5.13 | - | 1.58 | 1.75 | - | 1.83 | 0.58 | 0.93 | 8.9 |
| 63 | 8MX63S36-2517 | 2517 | 6.316 | 6.253 | 6.72 | AF-1 | 2.5 | 5.71 | - | 1.58 | 1.75 | - | 1.83 | 0.08 | 0.93 | 9.3 |
| 67 | 8MX67S36-2517 | 2517 | 6.717 | 6.654 | 6.88 | DF-1 | 2.5 | 5.98 | 4.25 | 1.58 | 1.75 | - | 1.83 | 0.08 | 0.93 | 10.0 |
| 71 | 8MX71S36-2517 | 2517 | 7.118 | 7.055 | 7.5 | DF-1 | 2.5 | 6.39 | 4.25 | 1.58 | 1.75 | - | 1.83 | 0.08 | 0.93 | 7.0 |
| 75 | 8MX75S36-2517 | 2517 | 7.519 | 7.456 | 7.92 | DF-1 | 2.5 | 6.79 | 4.25 | 1.58 | 1.75 | - | 1.83 | 0.08 | 0.93 | 13.3 |
| 80 | 8MX80S36-3020 | 3020 | 8.02 | 7.957 | 8.42 | BF-1 | 3 | - | 5.75 | 1.58 | 2 | - | 1.83 | 0.08 | 0.93 | 15.3 |
| 90 | 8MX90S36-3020 | 3020 | 9.023 | 8.960 | - | B-1 | 3 | - | 5.75 | - | 2 | - | 1.83 | 0.17 | 0.93 | 20.9 |
| 112 | 8MX112S36-3020 | 3020 | 11.229 | 11.166 | - | C-2 | 3 | 9.8 | 5.75 | - | 2 | - | 1.83 | 0.17 | 0.93 | 22.0 |
| 140 | 8MX140S36-3020 | 3020 | 14.036 | 13.973 | - | C-3 | 3 | 11.72 | 6.25 | - | 2 | - | 1.83 | 0.17 | 0.93 | 39.3 |
| 180 | 8MX180S36-3020 | 3020 | 18.046 | 17.983 | - | C-3 | 3 | 15.31 | 6.25 | - | 2 | - | 1.83 | 0.17 | 0.93 | 48.9 |
| 224 | 8MX224S36-3525 | 3525 | 22.457 | 22.394 | - | C-3 | 3.5 | 19.62 | 8.75 | - | 2.5 | - | 1.83 | 0.67 | 0.93 | 92.2 |

Type: 1 - Solid 2 - Web 3 - Arms F - Flanged

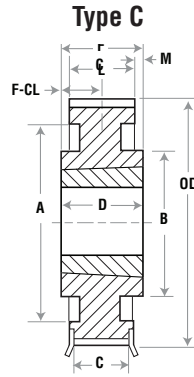
NOTE: Weights for minimum plain bore (MPB) sprockets are with minimum bore.
Weights for bushed sprockets less bushing.
Dimensions in inches. Weight in pounds.



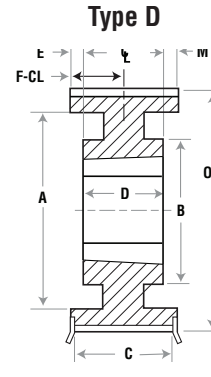
Type AF



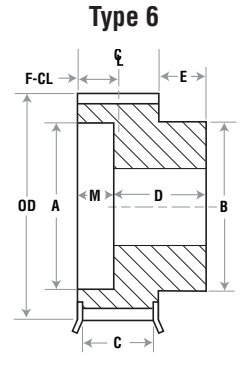
Type BF



Type CF



Type DF



Type 6F

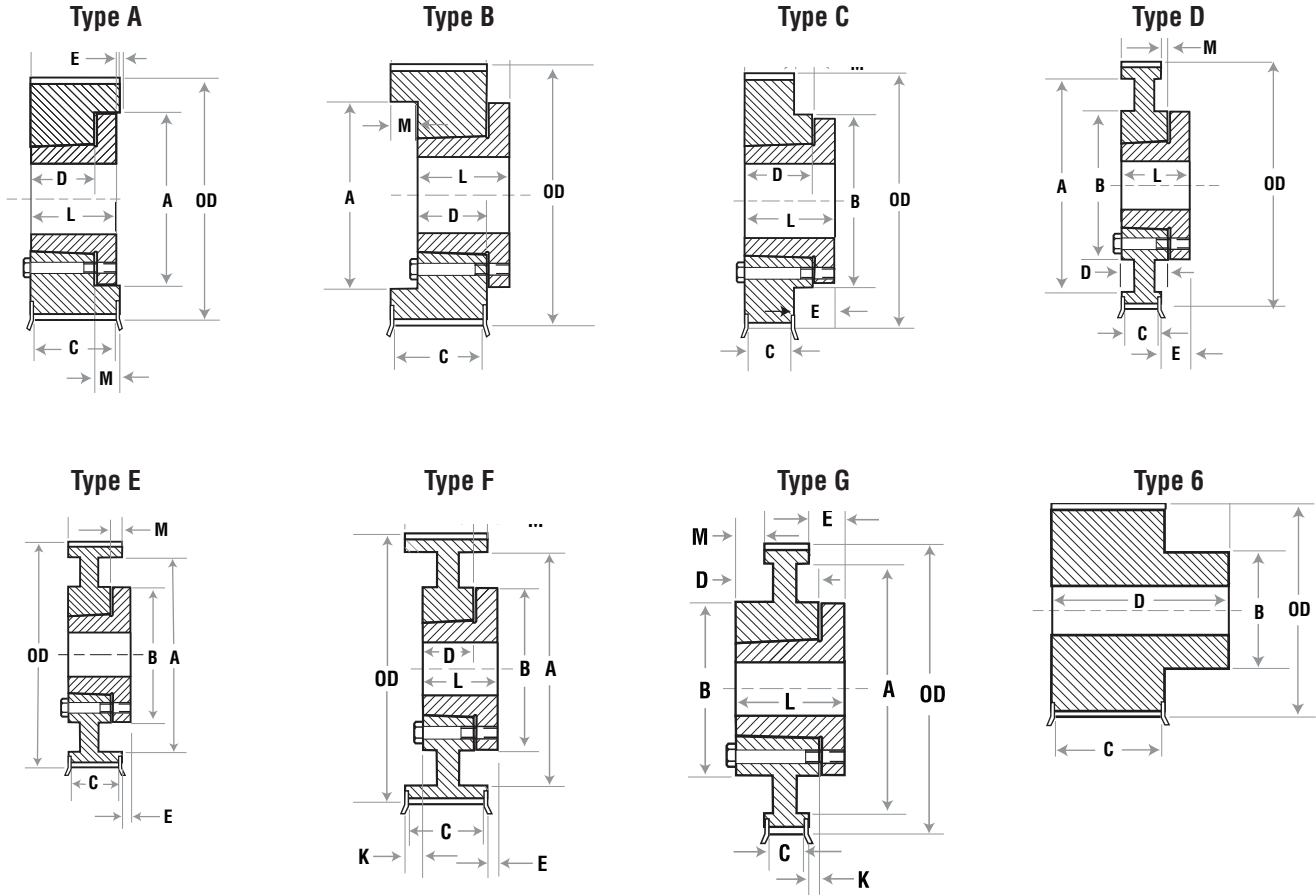
8mm Pitch — 62mm Wide Belt

| No. of Teeth | Catalog Number | Bore | Pitch Diameter | Diameter | | Type | Max Bore | Dimensions | | | | | | | Weight Approx. (lbs.) | |
|---|----------------|------|----------------|----------|-----------------|------|----------|------------|------|------|------|------|------|------|-----------------------|------|
| | | | | O.D. | Max Flange O.D. | | | A | B | C | D | E | F | M | | F-CL |
| MPB 8mm Pitch, 62 mm (2.44 in.) Wide Belts (8M - 62) | | | | | | | | | | | | | | | | |
| 22 | PB8MX22S62 | MPB | 2.206 | 2.143 | 2.61 | 6F-1 | 1.188 | - | 1.79 | 2.63 | 3.56 | 0.68 | 2.88 | - | 1.46 | 2.4 |
| 25 | PB8MX25S62 | MPB | 2.506 | 2.443 | 2.91 | 6F-1 | 1.5 | - | 2.08 | 2.63 | 3.56 | 0.68 | 2.88 | - | 1.46 | 3.6 |
| 28 | PB8MX28S62 | MPB | 2.807 | 2.744 | 3.21 | 6F-1 | 1.75 | - | 2.34 | 2.63 | 3.56 | 0.68 | 2.88 | - | 1.46 | 4.6 |
| 30 | PB8MX30S62 | MPB | 3.008 | 2.945 | 3.41 | 6F-1 | 1.813 | - | 2.54 | 2.63 | 3.5 | 0.62 | 2.88 | - | 1.46 | 5.3 |
| 32 | PB8MX32S62 | MPB | 3.208 | 3.145 | 3.61 | 6F-1 | 2 | - | 2.73 | 2.63 | 3.5 | 0.62 | 2.88 | - | 1.46 | 5.6 |
| 34 | PB8MX34S62 | MPB | 3.409 | 3.346 | 3.81 | 6F-1 | 2.125 | - | 2.82 | 2.63 | 3.5 | 0.62 | 2.88 | - | 1.46 | 5.7 |
| 36 | PB8MX36S62 | MPB | 3.609 | 3.546 | 4.01 | 6F-1 | 2.313 | - | 3.13 | 2.63 | 3.56 | 0.68 | 2.88 | - | 1.46 | 8.0 |
| 38 | PB8MX38S62 | MPB | 3.812 | 3.747 | 4.21 | 6F-1 | 2.438 | - | 3.32 | 2.63 | 3.56 | 0.68 | 2.88 | - | 1.46 | 9.1 |
| 40 | PB8MX40S62 | MPB | 4.010 | 3.947 | 4.41 | 6F-1 | 2.563 | - | 3.52 | 2.63 | 3.63 | 0.75 | 2.88 | - | 1.46 | 10.3 |
| 42 | PB8MX42S62 | MPB | 4.211 | 4.148 | 4.91 | 6F-1 | 2.75 | - | 3.79 | 2.63 | 3.63 | 0.75 | 2.88 | - | 1.46 | 11.6 |
| 45 | PB8MX45S62 | MPB | 4.511 | 4.448 | 4.91 | 6F-1 | 2.75 | - | 3.79 | 2.63 | 3.63 | 0.75 | 2.88 | - | 1.46 | 13.1 |
| Taper Bushed 8mm Pitch, 62mm (2.44 in.) Wide Belts (8M - 62) | | | | | | | | | | | | | | | | |
| 34 | 8MX34S62-1610 | 1610 | 3.409 | 3.346 | 3.81 | AF-1 | 1.625 | 2.66 | - | 2.63 | 1 | - | 2.88 | - | 1.46 | 5.0 |
| 36 | 8MX36S62-1610 | 1610 | 3.609 | 3.546 | 4.01 | AF-1 | 1.625 | 2.96 | - | 2.63 | 1 | - | 2.88 | - | 1.46 | 5.3 |
| 38 | 8MX38S62-1610 | 1610 | 3.812 | 3.747 | 4.21 | AF-1 | 1.625 | 3.15 | - | 2.63 | 1 | - | 2.88 | - | 1.46 | 5.6 |
| 40 | 8MX40S62-2012 | 2012 | 4.010 | 3.947 | 4.41 | AF-1 | 2 | 3.35 | - | 2.63 | 1.25 | - | 2.88 | - | 1.46 | 5.9 |
| 42 | 8MX42S62-2012 | 2012 | 4.211 | 4.148 | 4.91 | AF-1 | 2 | 3.62 | - | 2.63 | 1.25 | - | 2.88 | - | 1.46 | 3.5 |
| 45 | 8MX45S62-2012 | 2012 | 4.511 | 4.448 | 4.91 | AF-1 | 2 | 3.62 | - | 2.63 | 1.25 | - | 2.88 | - | 1.46 | 6.5 |
| 48 | 8MX48S62-2517 | 2517 | 4.812 | 4.749 | 5.21 | AF-1 | 2.5 | 4.14 | - | 2.63 | 1.75 | - | 2.88 | - | 1.46 | 6.6 |
| 50 | 8MX50S62-2517 | 2517 | 5.013 | 4.95 | 5.41 | AF-1 | 2.5 | 4.13 | - | 2.63 | 1.75 | - | 2.88 | - | 1.46 | 6.7 |
| 53 | 8MX53S62-2517 | 2517 | 5.314 | 5.251 | 5.5 | AF-1 | 2.5 | 4.76 | - | 2.63 | 1.75 | - | 2.88 | - | 1.46 | 6.9 |
| 56 | 8MX56S62-2517 | 2517 | 5.614 | 5.551 | 6.01 | AF-1 | 2.5 | 4.92 | - | 2.63 | 1.75 | - | 2.88 | - | 1.46 | 7.2 |
| 60 | 8MX60S62-3020 | 3020 | 6.015 | 5.952 | 6.42 | AF-1 | 3 | 5.13 | - | 2.63 | 2 | - | 2.88 | - | 1.46 | 8.9 |
| 63 | 8MX63S62-3020 | 3020 | 6.316 | 6.253 | 6.72 | AF-1 | 3 | 5.71 | - | 2.63 | 2 | - | 2.88 | - | 1.46 | 10.3 |
| 67 | 8MX67S62-3020 | 3020 | 6.717 | 6.654 | 6.88 | AF-1 | 3 | 6.14 | - | 2.63 | 2 | - | 2.88 | - | 1.46 | 11.0 |
| 71 | 8MX71S62-3020 | 3020 | 7.118 | 7.055 | 7.5 | AF-1 | 3 | 6.51 | - | 2.63 | 2 | - | 2.88 | - | 1.46 | 13.5 |
| 75 | 8MX75S62-3020 | 3020 | 7.519 | 7.456 | 7.92 | AF-1 | 3 | 6.90 | - | 2.63 | 2 | - | 2.88 | - | 1.46 | 15.4 |
| 80 | 8MX80S62-3020 | 3020 | 8.020 | 7.957 | 8.42 | AF-1 | 3 | 7.23 | - | 2.63 | 2 | - | 2.88 | - | 1.46 | 23.0 |
| 90 | 8MX90S62-3020 | 3020 | 9.023 | 8.96 | - | D-1 | 3 | 7.39 | 5.42 | - | 2 | - | 2.88 | 0.91 | 1.46 | 32.7 |
| 112 | 8MX112S62-3020 | 3020 | 11.229 | 11.166 | - | D-2 | 3 | 9.60 | 5.42 | - | 2 | - | 2.88 | 0.91 | 1.46 | 38.9 |
| 140 | 8MX140S62-3525 | 3525 | 14.036 | 13.973 | - | D-2 | 3.5 | 12.40 | 8.75 | - | 2.5 | - | 2.88 | 0.41 | 1.46 | 54.5 |
| 180 | 8MX180S62-3525 | 3525 | 18.046 | 17.983 | - | D-3 | 3.5 | 15.33 | 8.75 | - | 2.5 | - | 2.88 | 0.41 | 1.46 | 90.0 |
| 224 | 8MX224S62-3525 | 3525 | 22.457 | 22.394 | - | D-3 | 3.5 | 19.38 | 8.75 | - | 2.5 | - | 2.88 | 0.41 | 1.46 | 92.3 |

Type: 1-Solid 2-Web 3-Arms F=Flanged

NOTE: Weights for minimum plain bore (MPB) sprockets are with minimum bore.
Weights for bushed sprockets less bushing.
Dimensions in inches. Weight in pounds.

MPC® Sprockets 8mm Air Cool Heat Exchange



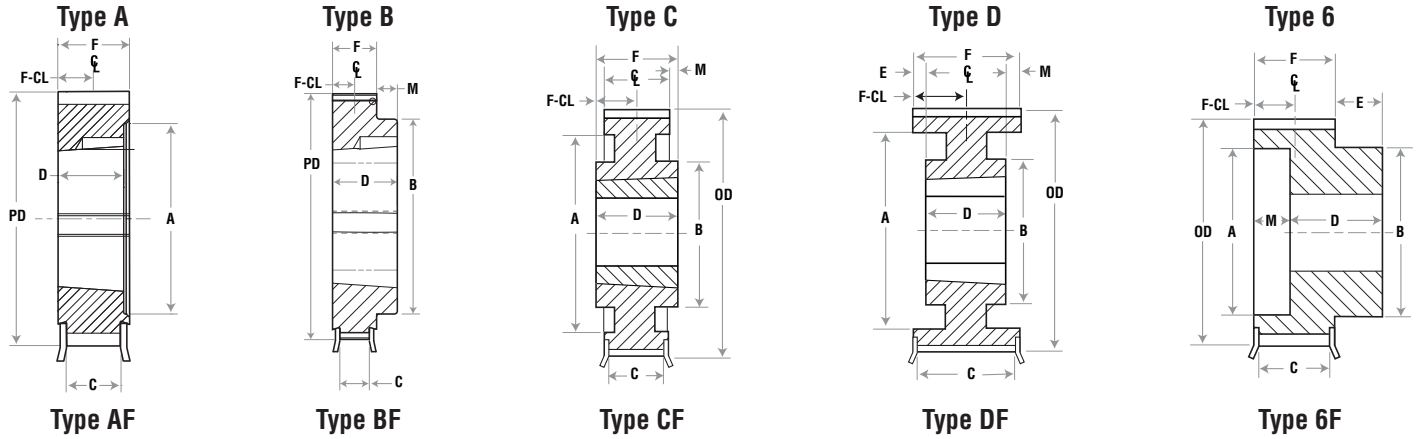
8mm Pitch — 21mm Wide Air Cool Heat Exchange Belt

| No. of Teeth | Catalog Number | Bore | Pitch Diameter | Diameter | | Type | Max Bore | Dimensions | | | | | | | | | Weight Approx. (lbs.) |
|---|----------------|------|----------------|----------|-----------------|-------|----------|------------|------|------|------|------|-----|------|------|------|-----------------------|
| | | | | O.D. | Max Flange O.D. | | | A | B | C | D | E | F | L | M | F-CL | |
| QD Bushed 8mm Pitch, 21mm (0.93 in.) Wide Belt (8M-21) | | | | | | | | | | | | | | | | | |
| 36 | F8MX36S21-SH | SH | 3.609 | 3.546 | 4.009 | AF-1 | 1.688 | 2.85 | - | 0.92 | 0.81 | 0.39 | 1.2 | 1.94 | 0.39 | 0.6 | 2.1 |
| 38 | F8MX38S21-SH | SH | 3.81 | 3.747 | 4.21 | AF-1 | 1.688 | 3.04 | - | 0.92 | - | 0.39 | 1.2 | 1.94 | 0.39 | 0.6 | 2.1 |
| 40 | F8MX40S21-SH | SH | 4.01 | 3.947 | 4.41 | AF-1 | 1.688 | 3.24 | - | 0.92 | - | 0.39 | 1.2 | 1.94 | 0.39 | 0.6 | 2.3 |
| 42 | F8MX42S21-SH | SH | 4.211 | 4.148 | 4.911 | AF-1 | 1.688 | 3.44 | - | 0.92 | - | 0.39 | 1.2 | 1.94 | 0.39 | 0.6 | 2.5 |
| 140 | F8MX140S21-SF | SF | 14.036 | 13.973 | - | CF-2* | 2.938 | 13.17 | 6.38 | - | 1.25 | 0.39 | 1.2 | 2.06 | 0.05 | 0.6 | 25.0 |
| 168 | F8MX168S21-SF | SF | 16.843 | 16.78 | - | CF-3* | 2.938 | 15.95 | 6.38 | - | 1.25 | 0.39 | 1.2 | 2.06 | 0.05 | 0.6 | 33.8 |
| 180 | F8MX180S21-SF | SF | 18.046 | 17.983 | - | CF-3* | 2.938 | 17.14 | 6.38 | - | 1.25 | 0.39 | 1.2 | 2.06 | 0.03 | 0.6 | 36.6 |
| 224 | F8MX224S21-E | E | 22.457 | 22.394 | - | CF-3* | 3.5 | 21.51 | 7.50 | - | 1.25 | 0.39 | 1.2 | 2.75 | 0.43 | 0.6 | 50.1 |

Type: 1-Solid 2-Web 3-Arms F=Flanged

* Flanged on bushings install side only.

NOTE: Weights for minimum plain bore (MPB) sprockets are with minimum bore.
Weights for bushed sprockets less bushing.
Dimensions in inches. Weight in pounds.



14mm Pitch — 20mm Wide Belt

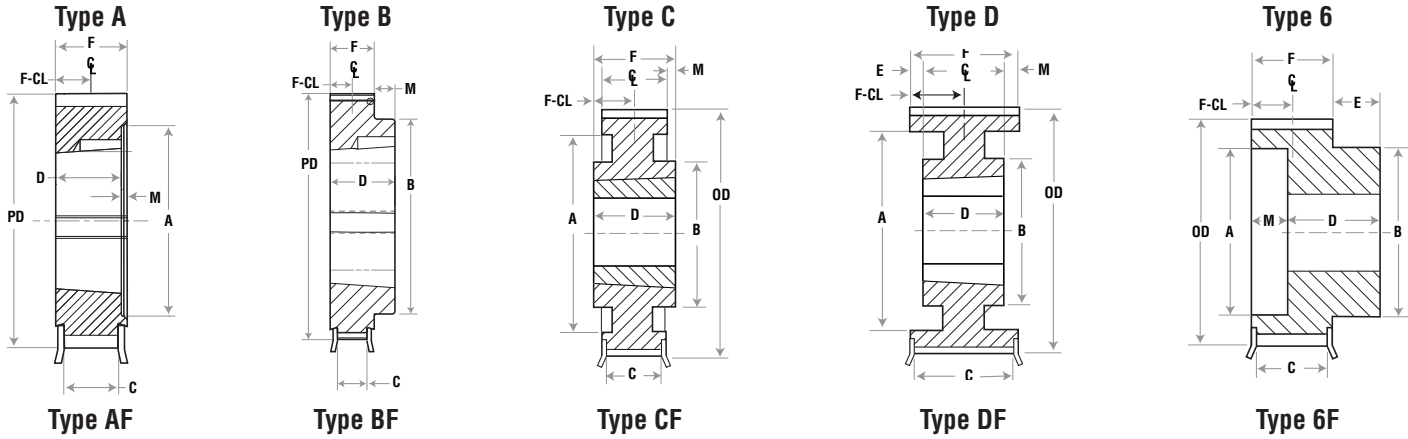
| No. of Teeth | Catalog Number | Bore | Pitch Diameter | Diameter | | Type | Max Bore | Dimensions | | | | | | | Weight Approx. (lbs.) | |
|--|-----------------|------|----------------|----------|-----------------|------|----------|------------|------|------|------|---|------|------|-----------------------|-------|
| | | | | O.D. | Max Flange O.D. | | | A | B | C | D | E | F | M | | F-CL |
| Tapered Bushed 14mm Pitch, 20mm (.826 in.) Wide Belt (14M-20) | | | | | | | | | | | | | | | | |
| 28 | 14MX28S20-2012 | 2012 | 4.912 | 4.802 | 5.4 | A1-F | 2 | 3.61 | - | 1.04 | 1.25 | - | 1.36 | .11 | 0.68 | 3.9 |
| 29 | 14MX29S20-2012 | 2012 | 5.188 | 4.978 | 5.76 | A1-F | 2 | 3.99 | - | 1.04 | 1.25 | - | 1.36 | .11 | 0.68 | 4.5 |
| 30 | 14MX30S20-2012 | 2012 | 5.263 | 5.153 | 5.76 | A1-F | 2 | 3.99 | - | 1.04 | 1.25 | - | 1.36 | .11 | 0.68 | 4.8 |
| 31 | 14MX31S20-2012 | 2012 | 5.439 | 5.329 | 6.11 | A1-F | 2 | 4.22 | - | 1.04 | 1.25 | - | 1.36 | .11 | 0.68 | 5.5 |
| 32 | 14MX32S20-2012 | 2012 | 5.614 | 5.504 | 6.11 | A1-F | 2 | 4.22 | - | 1.04 | 1.25 | - | 1.36 | .11 | 0.68 | 5.9 |
| 33 | 14MX33S20-2012 | 2012 | 5.790 | 5.680 | 6.46 | A1-F | 2 | 4.53 | - | 1.04 | 1.25 | - | 1.36 | .11 | 0.68 | 6.3 |
| 34 | 14MX34S20-2012 | 2012 | 5.965 | 5.855 | 6.46 | A1-F | 2 | 4.53 | - | 1.04 | 1.25 | - | 1.36 | .11 | 0.68 | 6.9 |
| 35 | 14MX35S20-2012 | 2012 | 6.141 | 6.031 | 6.82 | A1-F | 2 | 4.95 | - | 1.04 | 1.25 | - | 1.36 | .11 | 0.68 | 7.3 |
| 36 | 14MX36S20-2517 | 2517 | 6.316 | 6.206 | 6.82 | BF-1 | 2.5 | - | 4.25 | 1.04 | 1.75 | - | 1.36 | .39 | 0.68 | 7.6 |
| 37 | 14MX37S20-2517 | 2517 | 6.492 | 6.382 | 7.17 | BF-1 | 2.5 | - | 4.25 | 1.04 | 1.75 | - | 1.36 | .39 | 0.68 | 8.2 |
| 38 | 14MX38S20-2517 | 2517 | 6.667 | 6.557 | 7.17 | BF-1 | 2.5 | - | 4.25 | 1.04 | 1.75 | - | 1.36 | .39 | 0.68 | 8.9 |
| 39 | 14MX39S20-2517 | 2517 | 6.842 | 6.732 | 7.52 | BF-1 | 2.5 | - | 4.25 | 1.04 | 1.75 | - | 1.36 | .39 | 0.68 | 9.8 |
| 40 | 14MX40S20-2517 | 2517 | 7.018 | 6.908 | 7.52 | BF-1 | 2.5 | - | 4.25 | 1.04 | 1.75 | - | 1.36 | .39 | 0.68 | 10.1 |
| 43 | 14MX43S20-2517 | 2517 | 7.544 | 7.434 | 8.04 | BF-1 | 2.5 | - | 4.25 | 1.04 | 1.75 | - | 1.36 | .39 | 0.68 | 11.7 |
| 45 | 14MX45S20-3020 | 3020 | 7.895 | 7.785 | 8.4 | BF-1 | 3 | - | 5.41 | 1.04 | 2 | - | 1.36 | .64 | 0.68 | 13.5 |
| 48 | 14MX48S20-3020 | 3020 | 8.421 | 8.311 | 8.94 | BF-1 | 3 | - | 5.75 | 1.04 | 2 | - | 1.36 | .64 | 0.68 | 16.4 |
| 50 | 14MX50S20-3020 | 3020 | 8.772 | 8.662 | 9.29 | BF-1 | 3 | - | 5.75 | 1.04 | 2 | - | 1.36 | .64 | 0.68 | 18.3 |
| 53 | 14MX53S20-3020 | 3020 | 9.299 | 9.189 | 9.69 | BF-1 | 3 | - | 5.75 | 1.04 | 2 | - | 1.36 | .64 | 0.68 | 20.5 |
| 56 | 14MX56S20-3525 | 3525 | 9.825 | 9.715 | 10.36 | BF-1 | 3.5 | - | 8.7 | 1.04 | 2.5 | - | 1.36 | 1.14 | 0.68 | 23.2 |
| 60 | 14MX60S20-3525 | 3525 | 10.527 | 10.417 | 11.07 | BF-1 | 3.5 | - | 8.75 | 1.04 | 2.5 | - | 1.36 | 1.14 | 0.68 | 27.5 |
| 63 | 14MX63S20-3525 | 3525 | 11.053 | 10.943 | 11.59 | BF-1 | 3.5 | - | 8.75 | 1.04 | 2.5 | - | 1.36 | 1.14 | 0.68 | 30.2 |
| 67 | 14MX67S20-3525 | 3525 | 11.755 | 11.645 | 12.5 | BF-1 | 3.5 | - | 8.75 | 1.04 | 2.5 | - | 1.36 | 1.14 | 0.68 | 31.3 |
| 71 | 14MX71S20-3525 | 3525 | 12.457 | 12.347 | 13.07 | CF-1 | 3.5 | 11.05 | 8.75 | 1.04 | 2.5 | - | 1.36 | 1.14 | 0.68 | 32.5 |
| 75 | 14MX75S20-3525 | 3525 | 13.158 | 13.048 | 13.73 | CF-1 | 3.5 | 11.68 | 8.75 | 1.04 | 2.5 | - | 1.36 | 1.14 | 0.68 | 36.2 |
| 80 | 14MX80S20-3525 | 3525 | 14.036 | 13.926 | 14.62 | CF-2 | 3.5 | 12.56 | 8.75 | 1.04 | 2.5 | - | 1.36 | 1.14 | 0.68 | 35.4 |
| 90 | 14MX90S20-3525 | 3525 | 15.790 | 15.680 | - | C-2 | 3.5 | 14.26 | 8.75 | - | 2.5 | - | 1.36 | 1.14 | 0.68 | 41.3 |
| 112 | 14MX112S20-3525 | 3525 | 19.650 | 19.540 | - | C-3 | 3.5 | 16.47 | 8.75 | - | 2.5 | - | 1.36 | 1.14 | 0.68 | 59.6 |
| 126 | 14MX126S20-3525 | 3525 | 22.106 | 24.45 | - | C-3 | 3.5 | 20.5 | 8.75 | - | 2.5 | - | 1.36 | 1.14 | 0.68 | 66.0 |
| 140 | 14MX140S20-3525 | 3525 | 24.562 | 24.452 | - | C-3 | 3.5 | 21.04 | 8.75 | - | 2.5 | - | 1.36 | 1.14 | 0.68 | 102.0 |
| 168 | 14MX168S20-3525 | 3525 | 29.475 | 29.365 | - | C-3 | 3.5 | 25.90 | 8.75 | - | 2.5 | - | 1.36 | 1.14 | 0.68 | 99.5 |
| 180 | 14MX180S20-3525 | 3525 | 31.580 | 31.47 | - | C-3 | 3.5 | 27.99 | 8.75 | - | 2.5 | - | 1.36 | 1.14 | 0.68 | 135.0 |
| 200 | 14MX200S20-3525 | 3525 | 35.089 | 24.979 | - | C-3 | 3.5 | 31.46 | 8.75 | - | 2.5 | - | 1.36 | 1.14 | 0.68 | 156.0 |
| 224 | 14MX224S20-4030 | 4030 | 39.300 | 39.190 | - | C-3 | 4 | 35.63 | 10 | - | 3 | - | 1.36 | 1.64 | 0.68 | 150.2 |

Type: 1 - Solid 2 - Web 3 - Arms F - Flanged

NOTE: Weights for minimum plain bore (MPB) sprockets are with minimum bore.
Weights for bushed sprockets less bushing.
Dimensions in inches. Weight in pounds.

MPC® Sprockets

14mm

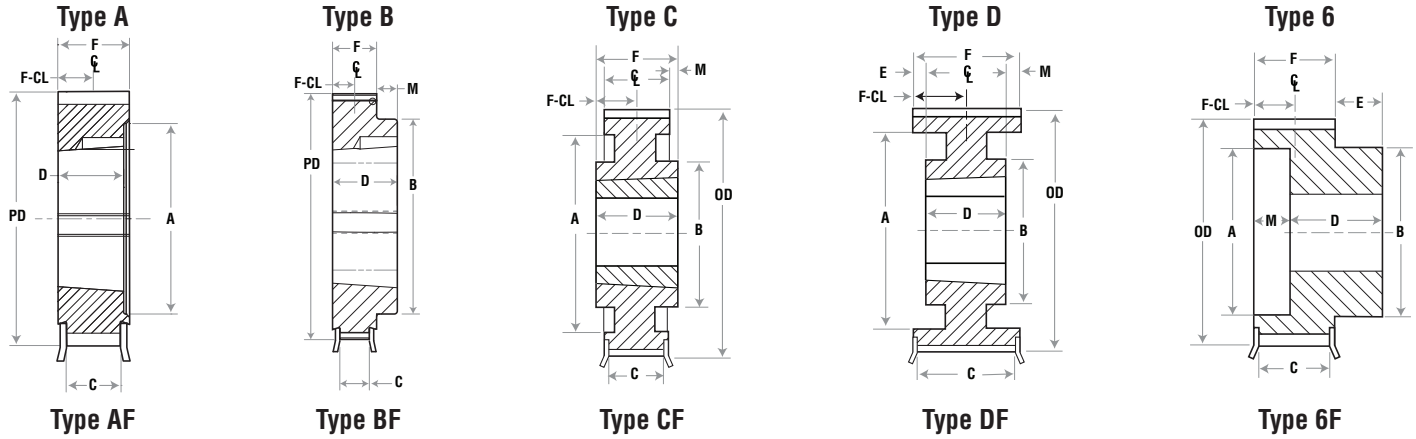


14mm Pitch —37mm Wide Belt

| No. of Teeth | Catalog Number | Bore | Pitch Diameter | Diameter | | Type | Max Bore | Dimensions | | | | | | | | Weight Approx. (lbs.) |
|--|-----------------|------|----------------|----------|-----------------|------|----------|------------|------|------|------|-----|------|------|------|-----------------------|
| | | | | O.D. | Max Flange O.D. | | | A | B | C | D | E | F | M | F-CL | |
| MPB 14mm Pitch, 37mm (1.46 in.) Wide Belt (14M-37) | | | | | | | | | | | | | | | | |
| 28 | PB14MX28S37 | MPB | 4.912 | 4.802 | 5.4 | 6F-1 | 2.938 | - | 3.97 | 1.74 | 2.86 | 0.8 | 2.06 | - | 1.03 | 11.7 |
| Taper Bushed 14mm Pitch, 37mm (1.46 in.) Wide Belt (14M-37) | | | | | | | | | | | | | | | | |
| 28 | 14MX28S37-2012 | 2012 | 4.912 | 4.802 | 5.4 | AF-1 | 2 | 3.61 | - | 1.74 | 1.25 | - | 2.06 | 0.81 | 1.03 | 4.2 |
| 29 | 14MX29S37-2517 | 2517 | 5.088 | 4.978 | 5.76 | AF-1 | 2.5 | 3.99 | - | 1.74 | 1.75 | - | 2.06 | 0.31 | 1.03 | 4.7 |
| 30 | 14MX30S37-2517 | 2517 | 5.263 | 5.153 | 5.76 | AF-1 | 2.5 | 3.99 | - | 1.74 | 1.75 | - | 2.06 | 0.31 | 1.03 | 5.0 |
| 31 | 14MX31S37-2517 | 2517 | 5.439 | 5.329 | 6.11 | AF-1 | 2.5 | 4.22 | - | 1.74 | 1.75 | - | 2.06 | 0.31 | 1.03 | 6.0 |
| 32 | 14MX32S37-2517 | 2517 | 5.614 | 5.54 | 6.11 | AF-1 | 2.5 | 4.22 | - | 1.74 | 1.75 | - | 2.06 | 0.31 | 1.03 | 7.2 |
| 33 | 14MX33S37-2517 | 2517 | 5.79 | 5.68 | 6.46 | AF-1 | 2.5 | 4.53 | - | 1.74 | 1.75 | - | 2.06 | 0.31 | 1.03 | 7.5 |
| 34 | 14MX34S37-2517 | 2517 | 5.965 | 5.855 | 6.46 | AF-1 | 2.5 | 4.53 | - | 1.74 | 1.75 | - | 2.06 | 0.31 | 1.03 | 7.8 |
| 35 | 14MX35S37-2517 | 2517 | 6.141 | 6.031 | 6.82 | AF-1 | 2.5 | 4.95 | - | 1.74 | 1.75 | - | 2.06 | 0.31 | 1.03 | 8.3 |
| 36 | 14MX36S37-2517 | 2517 | 6.316 | 6.206 | 6.82 | AF-1 | 2.5 | 4.95 | - | 1.74 | 1.75 | - | 2.06 | 0.31 | 1.03 | 8.8 |
| 37 | 14MX37S37-2517 | 2517 | 6.492 | 6.382 | 7.17 | AF-1 | 2.5 | 5.27 | - | 1.74 | 1.75 | - | 2.06 | 0.31 | 1.03 | 9.3 |
| 38 | 14MX38S37-3020 | 3020 | 6.667 | 6.557 | 7.17 | AF-1 | 3 | 5.27 | - | 1.74 | 2 | - | 2.06 | 0.06 | 1.03 | 10.8 |
| 39 | 14MX39S37-3020 | 3020 | 6.842 | 6.732 | 7.52 | AF-1 | 3 | 5.54 | - | 1.74 | 2 | - | 2.06 | 0.06 | 1.03 | 11.9 |
| 40 | 14MX40S37-3020 | 3020 | 7.018 | 6.908 | 7.52 | AF-1 | 3 | 5.54 | - | 1.74 | 2 | - | 2.06 | 0.06 | 1.03 | 12.2 |
| 43 | 14MX43S37-3020 | 3020 | 7.544 | 7.434 | 8.04 | AF-1 | 3 | 6.16 | - | 1.74 | 2 | - | 2.06 | 0.06 | 1.03 | 12.5 |
| 45 | 14MX45S37-3020 | 3020 | 7.895 | 7.785 | 8.4 | AF-1 | 3 | 6.42 | - | 1.74 | 2 | - | 2.06 | 0.06 | 1.03 | 15.8 |
| 48 | 14MX48S37-3020 | 3020 | 8.421 | 8.311 | 8.94 | AF-1 | 3 | 6.96 | - | 1.74 | 2 | - | 2.06 | 0.06 | 1.03 | 18.7 |
| 50 | 14MX50S37-3020 | 3020 | 8.772 | 8.662 | 9.29 | AF-1 | 3 | 7.44 | - | 1.74 | 2 | - | 2.06 | 0.06 | 1.03 | 21.1 |
| 53 | 14MX53S37-3020 | 3020 | 9.299 | 9.189 | 9.69 | AF-1 | 3 | 7.84 | - | 1.74 | 2 | - | 2.06 | 0.06 | 1.03 | 24.7 |
| 56 | 14MX56S37-3525 | 3525 | 9.825 | 9.715 | 10.36 | BF-1 | 3.5 | - | 8.70 | 1.74 | 2.5 | - | 2.06 | 0.44 | 1.03 | 28.2 |
| 60 | 14MX60S37-3525 | 3525 | 10.527 | 10.417 | 11.07 | BF-1 | 3.5 | - | 8.75 | 1.74 | 2.5 | - | 2.06 | 0.44 | 1.03 | 32.2 |
| 63 | 14MX63S37-3525 | 3525 | 11.053 | 10.943 | 11.59 | BF-1 | 3.5 | - | 8.75 | 1.74 | 2.5 | - | 2.06 | 0.44 | 1.03 | 42.8 |
| 67 | 14MX67S37-3525 | 3525 | 11.755 | 11.645 | 12.5 | BF-1 | 3.5 | - | 8.75 | 1.74 | 2.5 | - | 2.06 | 0.44 | 1.03 | 43.5 |
| 71 | 14MX71S37-3525 | 3525 | 12.457 | 12.347 | 13.07 | BF-1 | 3.5 | - | 8.75 | 1.74 | 2.5 | - | 2.06 | 0.44 | 1.03 | 44.1 |
| 75 | 14MX75S37-3525 | 3525 | 13.158 | 13.048 | 13.73 | CF-1 | 3.5 | 11.68 | 8.75 | 1.74 | 2.5 | - | 2.06 | 0.44 | 1.03 | 45.5 |
| 80 | 14MX80S37-3525 | 3525 | 14.036 | 13.926 | 14.62 | CF-2 | 3.5 | 12.56 | 8.75 | 1.74 | 2.5 | - | 2.06 | 0.44 | 1.03 | 48.7 |
| 90 | 14MX90S37-3525 | 3525 | 15.79 | 15.68 | - | C-2 | 3.5 | 14.26 | 8.75 | - | 2.5 | - | 2.06 | 0.44 | 1.03 | 53.3 |
| 112 | 14MX112S37-3525 | 3525 | 19.65 | 19.54 | - | C-3 | 3.5 | 16.39 | 8.75 | - | 2.5 | - | 2.06 | 0.44 | 1.03 | 87.0 |
| 126 | 14MX126S37-3525 | 3525 | 22.106 | 21.996 | - | C-3 | 3.5 | 20.56 | 8.75 | - | 2.5 | - | 2.06 | 0.44 | 1.03 | 76.3 |
| 180 | 14MX180S37-4030 | 4030 | 31.58 | 31.47 | - | C-3 | 4 | 27.59 | 10 | - | 3 | - | 2.06 | 0.94 | 1.03 | 191.4 |
| 200 | 14MX200S37-4030 | 4030 | 35.089 | 34.979 | - | C-3 | 4 | 31.07 | 10 | - | 3 | - | 2.06 | 0.94 | 1.03 | 224.8 |
| 224 | 14MX224S37-4030 | 4030 | 39.30 | 39.19 | - | C-3 | 4 | 35.24 | 10 | - | 3 | - | 2.06 | 0.94 | 1.03 | 267.7 |

Type: 1 - Solid 2 - Web 3 - Arms F - Flanged

NOTE: Weights for minimum plain bore (MPB) sprockets are with minimum bore.
Weights for bushed sprockets less bushing.
Dimensions in inches. Weight in pounds.



14mm Pitch — 68mm Wide Belt

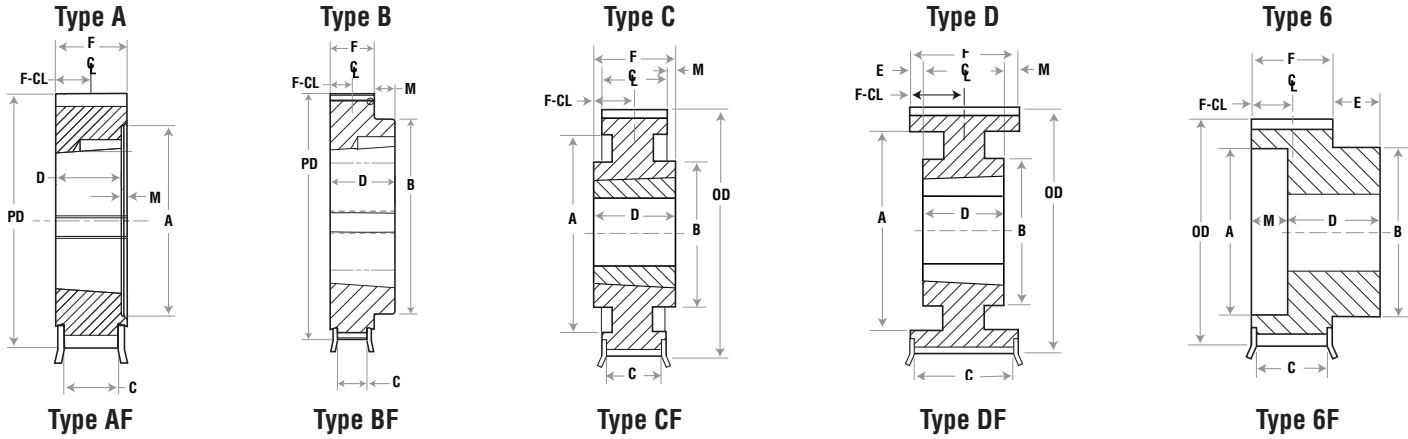
| No. of Teeth | Catalog Number | Bore | Pitch Diameter | Diameter | | Type | Max Bore | Dimensions | | | | | | | Weight Approx. (lbs.) | |
|--|-----------------|------|----------------|----------|-----------------|------|----------|------------|------|------|------|------|-------|------|-----------------------|-------|
| | | | | O.D. | Max Flange O.D. | | | A | B | C | D | E | F | M | | F-CL |
| MPB 14mm Pitch, 68mm (2.68 in.) Wide Belt (14M-68) | | | | | | | | | | | | | | | | |
| 28 | PB14MX28S68 | MPB | 4.912 | 4.802 | 5.4 | 6F-1 | 2.938 | - | 3.97 | 3.01 | 4.13 | 0.81 | 3.322 | - | 1.66 | 17.0 |
| 29 | PB14MX29S68 | MPB | 5.088 | 4.978 | 5.76 | 6F-1 | 3.188 | - | 4.35 | 3.01 | 4.13 | 0.81 | 3.322 | - | 1.66 | 19.0 |
| 30 | PB14MX30S68 | MPB | 5.263 | 5.153 | 5.76 | 6F-1 | 3.188 | - | 4.35 | 3.01 | 4.13 | 0.81 | 3.322 | - | 1.66 | 20.0 |
| 31 | PB14MX31S68 | MPB | 5.439 | 5.329 | 6.11 | 6F-1 | 3.438 | - | 4.57 | 3.01 | 4.13 | 0.81 | 3.322 | - | 1.66 | 16.8 |
| 32 | PB14MX32S68 | MPB | 5.614 | 5.504 | 6.11 | 6F-1 | 3.438 | - | 4.57 | 3.01 | 4.13 | 0.81 | 3.322 | - | 1.66 | 18.0 |
| 33 | PB14MX33S68 | MPB | 5.79 | 5.68 | 6.47 | 6F-1 | 3.5 | - | 4.89 | 3.01 | 4.33 | 1.01 | 3.322 | - | 1.66 | 26.0 |
| 34 | PB14MX34S68 | MPB | 5.965 | 5.855 | 6.47 | 6F-1 | 3.5 | - | 4.89 | 3.01 | 4.33 | 1.01 | 3.322 | - | 1.66 | 21.1 |
| Taper Bushed 14mm Pitch, 68mm (2.68 in.) Wide Belt (14M-68) | | | | | | | | | | | | | | | | |
| 29 | 14MX29S68-2517 | 2517 | 5.088 | 4.978 | 5.76 | AF-1 | 2.5 | 3.99 | - | 3.01 | 1.75 | - | 3.322 | - | 1.66 | 14.7 |
| 30 | 14MX30S68-2517 | 2517 | 5.263 | 5.153 | 5.76 | AF-1 | 2.5 | 3.99 | - | 3.01 | 1.75 | - | 3.322 | - | 1.66 | 14.0 |
| 31 | 14MX31S68-2517 | 2517 | 5.439 | 5.329 | 6.11 | AF-1 | 2.5 | 4.22 | - | 3.01 | 1.75 | - | 3.322 | - | 1.66 | 14.3 |
| 32 | 14MX32S68-2517 | 2517 | 5.614 | 5.504 | 6.11 | AF-1 | 2.5 | 4.22 | - | 3.01 | 1.75 | - | 3.322 | - | 1.66 | 14.6 |
| 33 | 14MX33S68-2517 | 2517 | 5.79 | 5.68 | 6.46 | AF-1 | 2.5 | 4.53 | - | 3.01 | 1.75 | - | 3.322 | - | 1.66 | 14.9 |
| 34 | 14MX34S68-2517 | 2517 | 5.965 | 5.855 | 6.46 | AF-1 | 2.5 | 4.53 | - | 3.01 | 1.75 | - | 3.322 | - | 1.66 | 15.2 |
| 35 | 14MX35S68-3020 | 3020 | 6.141 | 6.031 | 6.82 | AF-1 | 3 | 4.95 | - | 3.01 | 2 | - | 3.322 | - | 1.66 | 15.5 |
| 36 | 14MX36S68-3020 | 3020 | 6.316 | 6.206 | 6.82 | AF-1 | 3 | 4.95 | - | 3.01 | 2 | - | 3.322 | - | 1.66 | 15.8 |
| 37 | 14MX37S68-3020 | 3020 | 6.492 | 6.382 | 7.17 | AF-1 | 3 | 5.27 | - | 3.01 | 2 | - | 3.322 | - | 1.66 | 16.1 |
| 38 | 14MX38S68-3020 | 3020 | 6.667 | 6.557 | 7.17 | AF-1 | 3 | 5.27 | - | 3.01 | 2 | - | 3.322 | - | 1.66 | 16.4 |
| 39 | 14MX39S68-3020 | 3020 | 6.842 | 6.732 | 7.52 | AF-1 | 3 | 5.54 | - | 3.01 | 2 | - | 3.322 | - | 1.66 | 16.7 |
| 40 | 14MX40S68-3020 | 3020 | 7.018 | 6.908 | 7.52 | AF-1 | 3 | 5.54 | - | 3.01 | 2 | - | 3.322 | - | 1.66 | 17.0 |
| 43 | 14MX43S68-3020 | 3020 | 7.544 | 7.434 | 8.04 | AF-1 | 3 | 6.16 | - | 3.01 | 2 | - | 3.322 | - | 1.66 | 17.2 |
| 45 | 14MX45S68-3020 | 3020 | 7.895 | 7.785 | 8.39 | AF-1 | 3 | 6.42 | - | 3.01 | 2 | - | 3.322 | - | 1.66 | 20.4 |
| 48 | 14MX48S68-3525 | 3525 | 8.421 | 8.311 | 8.94 | AF-1 | 3.5 | 6.96 | - | 3.01 | 2.5 | - | 3.322 | - | 1.66 | 24.6 |
| 50 | 14MX50S68-3525 | 3525 | 8.772 | 8.662 | 9.29 | AF-1 | 3.5 | 7.44 | - | 3.01 | 2.5 | - | 3.322 | - | 1.66 | 29.4 |
| 53 | 14MX53S68-3525 | 3525 | 9.299 | 9.189 | 9.69 | AF-1 | 3.5 | 7.84 | - | 3.01 | 2.5 | - | 3.322 | - | 1.66 | 35.7 |
| 56 | 14MX56S68-3525 | 3525 | 9.825 | 9.715 | 10.36 | AF-1 | 3.5 | 8.35 | - | 3.01 | 2.5 | - | 3.322 | - | 1.66 | 39.9 |
| 60 | 14MX60S68-3525 | 3525 | 10.527 | 10.417 | 11.07 | AF-1 | 3.5 | 9.06 | - | 3.01 | 2.5 | - | 3.322 | - | 1.66 | 50.6 |
| 63 | 14MX63S68-3525 | 3525 | 11.053 | 10.943 | 11.59 | AF-1 | 3.5 | 9.59 | - | 3.01 | 2.5 | - | 3.322 | - | 1.66 | 58.0 |
| 67 | 14MX67S68-3525 | 3525 | 11.755 | 11.645 | 12.5 | DF-1 | 3.5 | 10.36 | 8.75 | 3.01 | 2.5 | - | 3.322 | 0.82 | 1.66 | 60.0 |
| 71 | 14MX71S68-3525 | 3525 | 12.457 | 12.347 | 13.07 | DF-1 | 3.5 | 11.05 | 8.75 | 3.01 | 2.5 | - | 3.322 | 0.82 | 1.66 | 63.3 |
| 75 | 14MX75S68-3525 | 3525 | 13.158 | 13.048 | 13.73 | DF-1 | 3.5 | 11.68 | 8.75 | 3.01 | 2.5 | - | 3.322 | 0.82 | 1.66 | 68.6 |
| 80 | 14MX80S68-3525 | 3525 | 14.036 | 13.926 | 14.62 | DF-2 | 3.5 | 12.56 | 8.75 | 3.01 | 2.5 | - | 3.322 | 0.82 | 1.66 | 76.3 |
| 90 | 14MX90S68-4030 | 4030 | 15.79 | 15.68 | - | D-2 | 4 | 14.26 | 10 | - | 3 | - | 3.322 | 0.32 | 1.66 | 82.6 |
| 112 | 14MX112S68-4030 | 4030 | 19.65 | 19.54 | - | D-3 | 4 | 16.35 | 10 | - | 3 | - | 3.322 | 0.32 | 1.66 | 100.4 |
| 140 | 14MX140S68-4030 | 4030 | 24.562 | 24.452 | - | D-3 | 4.5 | 20.78 | 10 | - | 3 | - | 3.322 | 0.32 | 1.66 | 190.0 |
| 168 | 14MX168S68-4535 | 4535 | 29.475 | 29.365 | - | C-3 | 4.5 | 25.23 | 10.5 | - | 3.5 | - | 3.322 | 0.18 | 1.66 | 239.1 |
| 180 | 14MX180S68-4335 | 4535 | 31.58 | 31.47 | - | C-3 | 4.5 | 27.16 | 10.5 | - | 3.5 | - | 3.322 | 0.18 | 1.66 | 250.6 |
| 200 | 14MX200S68-4535 | 4535 | 35.089 | 34.979 | - | C-3 | 4.5 | 30.65 | 10.5 | - | 3.5 | - | 3.322 | 0.18 | 1.66 | 262.5 |
| 224 | 14MX224S68-5040 | 5040 | 39.3 | 39.19 | - | C-3 | 5 | 34.82 | 11 | - | 4 | - | 3.322 | 0.68 | 1.66 | 350.0 |

Type: 1 - Solid 2 - Web 3 - Arms F = Flanged

NOTE: Weights for Minimum Plain Bore (MPB) Sprockets are with minimum bore. Weights for Bushed Sprockets less bushing. Dimensions in Inches. Weight in pounds.

MPC® Sprockets

14mm

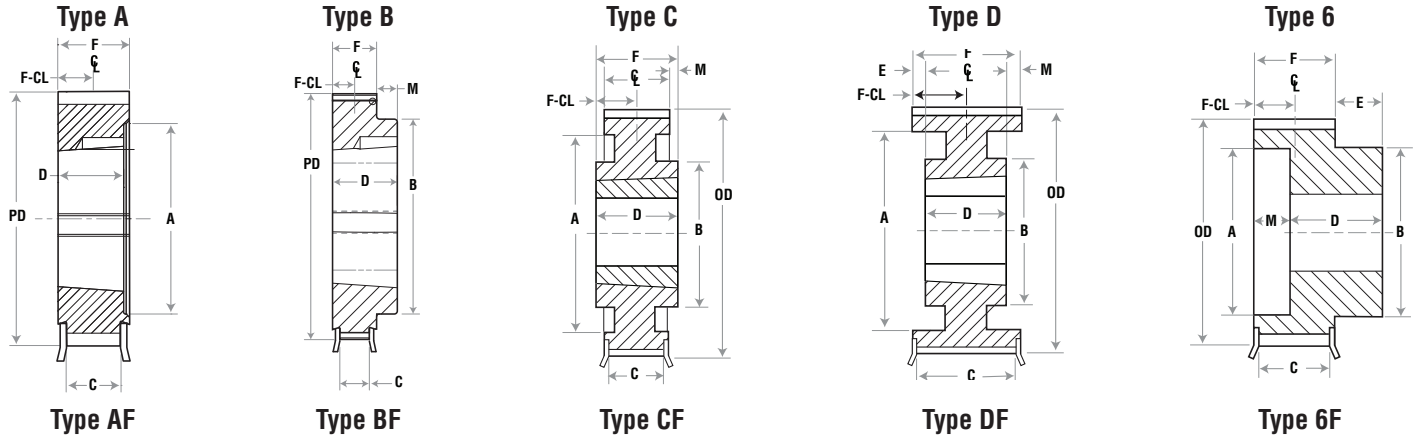


14mm Pitch — 90mm Wide Belt

| No. of Teeth | Catalog Number | Bore | Pitch Diameter | Diameter | | Type | Max Bore | Dimensions | | | | | | | Weight Approx. (lbs.) | |
|--|-----------------|------|----------------|----------|-----------------|------|----------|------------|------|------|------|------|-------|------|-----------------------|-------|
| | | | | O.D. | Max Flange O.D. | | | A | B | C | D | E | F | M | | F-CL |
| MPB 14mm Pitch, 90mm (3.54 in.) Wide Belt (14M-90) | | | | | | | | | | | | | | | | |
| 28 | PB14MX28S90 | MPB | 4.912 | 4.802 | 5.4 | 6F-1 | 2.938 | - | 3.97 | 3.88 | 5.14 | 0.95 | 4.192 | - | 2.1 | 20.0 |
| 29 | PB14MX29S90 | MPB | 5.088 | 4.978 | 5.76 | 6F-1 | 3.188 | - | 4.35 | 3.88 | 5 | 0.81 | 4.192 | - | 2.1 | 22.1 |
| 30 | PB14MX30S90 | MPB | 5.263 | 5.153 | 5.76 | 6F-1 | 3.188 | - | 4.35 | 3.88 | 5 | 0.81 | 4.192 | - | 2.1 | 24.0 |
| 31 | PB14MX31S90 | MPB | 5.439 | 5.329 | 6.11 | 6F-1 | 3.438 | - | 4.57 | 3.88 | 5 | 0.81 | 4.192 | - | 2.1 | 21.8 |
| 32 | PB14MX32S90 | MPB | 5.614 | 5.504 | 6.11 | 6F-1 | 3.438 | - | 4.57 | 3.88 | 5 | 0.81 | 4.192 | - | 2.1 | 27.0 |
| 33 | PB14MX33S90 | MPB | 5.79 | 5.68 | 6.47 | 6F-1 | 3.5 | - | 4.89 | 3.88 | 5.2 | 1.01 | 4.192 | - | 2.1 | 30.0 |
| 34 | PB14MX34S90 | MPB | 5.965 | 5.855 | 6.47 | 6F-1 | 3.5 | - | 4.89 | 3.88 | 5.2 | 1.01 | 4.192 | - | 2.1 | 27.2 |
| 35 | PB14MX35S90 | MPB | 6.141 | 6.031 | 6.82 | 6F-1 | 3.813 | - | 5.30 | 3.88 | 5.2 | 1.01 | 4.192 | - | 2.1 | 28.7 |
| 36 | PB14MX36S90 | MPB | 6.316 | 6.26 | 6.82 | 6F-1 | 3.813 | - | 5.30 | 3.88 | 5.2 | 1.01 | 4.192 | - | 2.1 | 30.3 |
| 37 | PB14MX37S90 | MPB | 6.492 | 6.382 | 7.17 | 6F-1 | 4.125 | - | 5.63 | 3.88 | 5.2 | 1.01 | 4.192 | - | 2.1 | 32.1 |
| 38 | PB14MX38S90 | MPB | 6.667 | 6.557 | 7.17 | 6F-1 | 4.125 | - | 5.63 | 3.88 | 5.2 | 1.01 | 4.192 | - | 2.1 | 33.9 |
| 39 | PB14MX39S90 | MPB | 6.842 | 6.732 | 7.5 | 6F-1 | 4.375 | - | 5.89 | 3.88 | 5.2 | 1.01 | 4.192 | - | 2.1 | 35.8 |
| 40 | PB14MX40S90 | MPB | 7.018 | 6.908 | 7.52 | 6F-1 | 4.375 | - | 5.89 | 3.88 | 5.2 | 1.01 | 4.192 | - | 2.1 | 37.7 |
| Taper Bushed 14mm Pitch, 90mm (3.54 in.) Wide Belt (14M-90) | | | | | | | | | | | | | | | | |
| 35 | 14MX35S90-3020 | 3020 | 6.141 | 6.031 | 6.82 | AF-1 | 3 | 4.95 | - | 3.88 | 2 | - | 4.192 | 2.19 | 2.1 | 22.9 |
| 36 | 14MX36S90-3020 | 3020 | 6.316 | 6.26 | 6.82 | AF-1 | 3 | 4.95 | - | 3.88 | 2 | - | 4.192 | 2.19 | 2.1 | 23.1 |
| 37 | 14MX37S90-3020 | 3020 | 6.492 | 6.382 | 7.17 | AF-1 | 3 | 5.27 | - | 3.88 | 2 | - | 4.192 | 2.19 | 2.1 | 23.4 |
| 38 | 14MX38S90-3020 | 3020 | 6.667 | 6.557 | 7.17 | AF-1 | 3 | 5.27 | - | 3.88 | 2 | - | 4.192 | 2.19 | 2.1 | 23.7 |
| 39 | 14MX39S90-3020 | 3020 | 6.842 | 6.732 | 7.52 | AF-1 | 3 | 5.54 | - | 3.88 | 2 | - | 4.192 | 2.19 | 2.1 | 24.0 |
| 40 | 14MX40S90-3020 | 3020 | 7.018 | 6.908 | 7.52 | AF-1 | 3 | 5.54 | - | 3.88 | 2 | - | 4.192 | 2.19 | 2.1 | 24.3 |
| 43 | 14MX43S90-3525 | 3525 | 7.544 | 7.434 | 8.04 | AF-1 | 3.5 | 6.16 | - | 3.88 | 2.5 | - | 4.192 | 1.69 | 2.1 | 24.7 |
| 45 | 14MX45S90-3525 | 3525 | 7.895 | 7.785 | 8.39 | AF-1 | 3.5 | 6.42 | - | 3.88 | 2.5 | - | 4.192 | 1.69 | 2.1 | 27.3 |
| 48 | 14MX48S90-3525 | 3525 | 8.421 | 8.311 | 8.94 | AF-1 | 3.5 | 6.96 | - | 3.88 | 2.5 | - | 4.192 | 1.69 | 2.1 | 33.4 |
| 50 | 14MX50S90-3525 | 3525 | 8.772 | 8.662 | 9.29 | AF-1 | 3.5 | 7.44 | - | 3.88 | 2.5 | - | 4.192 | 1.69 | 2.1 | 29.3 |
| 53 | 14MX53S90-3525 | 3525 | 9.299 | 9.189 | 9.69 | AF-1 | 3.5 | 7.83 | - | 3.88 | 2.5 | - | 4.192 | 1.69 | 2.1 | 46.8 |
| 56 | 14MX56S90-4030 | 4030 | 9.825 | 9.715 | 10.36 | AF-1 | 4 | 8.35 | - | 3.88 | 3 | - | 4.192 | 1.69 | 2.1 | 42.1 |
| 60 | 14MX60S90-4030 | 4030 | 10.527 | 10.417 | 11.07 | AF-1 | 4 | 9.06 | - | 3.88 | 3 | - | 4.192 | 1.69 | 2.1 | 50.5 |
| 63 | 14MX63S90-4030 | 4030 | 11.053 | 10.943 | 11.59 | AF-1 | 4 | 9.59 | - | 3.88 | 3 | - | 4.192 | 1.69 | 2.1 | 64.6 |
| 67 | 14MX67S90-4030 | 4030 | 11.755 | 11.645 | 12.5 | AF-1 | 4 | 9.88 | - | 3.88 | 3 | - | 4.192 | 1.69 | 2.1 | 70.0 |
| 71 | 14MX71S90-4030 | 4030 | 12.457 | 12.347 | 13.07 | AF-1 | 4 | 10.67 | - | 3.88 | 3 | - | 4.192 | 1.69 | 2.1 | 86.7 |
| 75 | 14MX75S90-4030 | 4030 | 13.158 | 13.048 | 13.73 | AF-1 | 4 | 11.63 | - | 3.88 | 3 | - | 4.192 | 1.69 | 2.1 | 85.0 |
| 80 | 14MX80S90-4030 | 4030 | 14.036 | 13.926 | 14.62 | DF-1 | 4 | 12.56 | 10 | 3.88 | 3 | - | 4.192 | 1.69 | 2.1 | 88.0 |
| 90 | 14MX90S90-4030 | 4030 | 15.79 | 15.68 | - | D-2 | 4 | 14.26 | 10 | - | 3 | - | 4.192 | 1.69 | 2.1 | 89.0 |
| 112 | 14MX112S90-4535 | 4535 | 19.65 | 19.54 | - | D-2 | 4.5 | 16.35 | 10.5 | - | 3.5 | - | 4.192 | 0.69 | 2.1 | 197.9 |
| 140 | 14MX140S90-5040 | 5040 | 24.562 | 24.452 | - | D-3 | 5 | 20.74 | 11 | - | 4 | - | 4.192 | 0.19 | 2.1 | 240.0 |
| 168 | 14MX168S90-6050 | 6050 | 29.475 | 29.365 | - | C-3 | 6 | 25.11 | 15.5 | - | 5 | - | 4.192 | 0.81 | 2.1 | 327.3 |
| 180 | 14MX180S90-6050 | 6050 | 31.58 | 31.47 | - | C-3 | 6 | 27.06 | 15.5 | - | 5 | - | 4.192 | 0.81 | 2.1 | 335.9 |
| 200 | 14MX200S90-6050 | 6050 | 35.089 | 34.979 | - | C-3 | 6 | 30.29 | 15.5 | - | 5 | - | 4.192 | 0.81 | 2.1 | 344.5 |
| 224 | 14MX224S90-6050 | 6050 | 39.3 | 39.19 | - | C-3 | 6 | 34.46 | 15.5 | - | 5 | - | 4.192 | 0.81 | 2.1 | 589.0 |

Type: 1 - Solid 2 - Web 3 - Arms F - Flanged

NOTE: Weights for Minimum Plain Bore (MPB) Sprockets are with minimum bore. Weights for Bushed Sprockets less bushing. Dimensions in Inches. Weight in pounds.



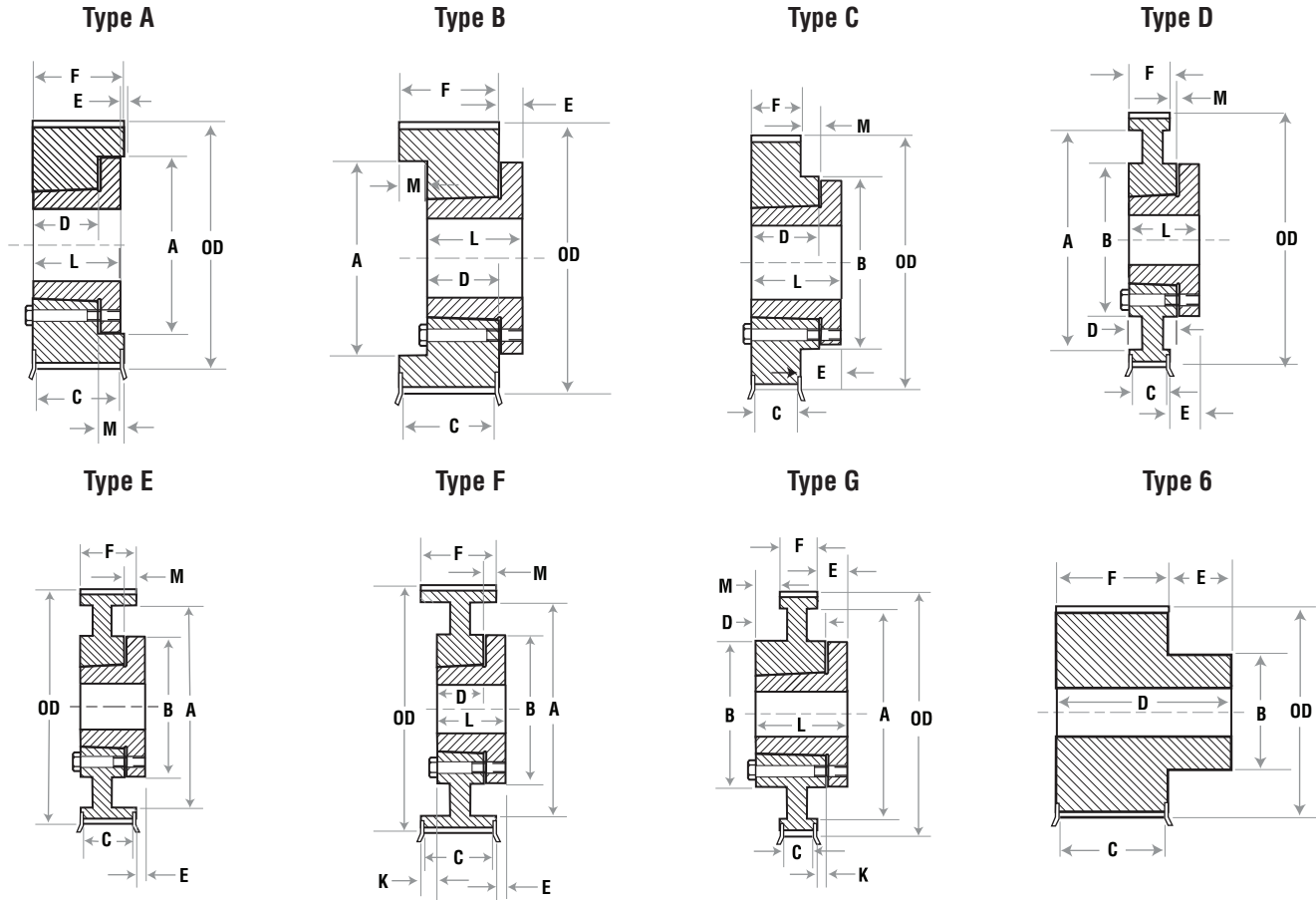
14mm Pitch — 125mm Wide Belt

| No. of Teeth | Catalog Number | Bore | Pitch Diameter | Diameter | | Type | Max Bore | Dimensions | | | | | | | Weight Approx. (lbs.) | |
|--|------------------|------|----------------|----------|-----------------|------|----------|------------|------|------|------|------|------|------|-----------------------|-------|
| | | | | O.D. | Max Flange O.D. | | | A | B | C | D | E | F | M | | F-CL |
| MPB 14mm Pitch, 125mm (4.92 in.) Wide Belt (14M-125) | | | | | | | | | | | | | | | | |
| 28 | PB14MX28S125 | MPB | 4.912 | 4.802 | 5.4 | 6F-1 | 2.938 | - | 3.97 | 5.29 | 6.5 | 0.89 | 5.61 | - | 2.81 | 22.0 |
| 29 | PB14MX29S125 | MPB | 5.088 | 4.978 | 5.76 | 6F-1 | 3.188 | - | 4.35 | 5.29 | 6.5 | 0.89 | 5.61 | - | 2.81 | 27.0 |
| 30 | PB14MX30S125 | MPB | 5.263 | 5.153 | 5.76 | 6F-1 | 3.188 | - | 4.35 | 5.29 | 6.5 | 0.89 | 5.61 | - | 2.81 | 30.2 |
| 31 | PB14MX31S125 | MPB | 5.439 | 5.329 | 6.11 | 6F-1 | 3.438 | - | 4.57 | 5.29 | 6.5 | 0.89 | 5.61 | - | 2.81 | 32.0 |
| 32 | PB14MX32S125 | MPB | 5.614 | 5.504 | 6.11 | 6F-1 | 3.438 | - | 4.57 | 5.29 | 6.5 | 0.89 | 5.61 | - | 2.81 | 34.0 |
| 33 | PB14MX33S125 | MPB | 5.79 | 5.68 | 6.47 | 6F-1 | 3.5 | - | 4.89 | 5.29 | 6.69 | 1.08 | 5.61 | - | 2.81 | 31.8 |
| 34 | PB14MX34S125 | MPB | 5.965 | 5.855 | 6.47 | 6F-1 | 3.5 | - | 4.89 | 5.29 | 6.69 | 1.08 | 5.61 | - | 2.81 | 34.3 |
| 35 | PB14MX35S125 | MPB | 6.141 | 6.031 | 6.82 | 6F-1 | 3.813 | - | 5.30 | 5.29 | 6.69 | 1.08 | 5.61 | - | 2.81 | 36.2 |
| 36 | PB14MX36S125 | MPB | 6.316 | 6.206 | 6.82 | 6F-1 | 3.813 | - | 5.30 | 5.29 | 6.69 | 1.08 | 5.61 | - | 2.81 | 38.0 |
| 37 | PB14MX37S125 | MPB | 6.492 | 6.382 | 7.17 | 6F-1 | 4.125 | - | 5.63 | 5.29 | 6.69 | 1.08 | 5.61 | - | 2.81 | 40.3 |
| 38 | PB14MX38S125 | MPB | 6.667 | 6.557 | 7.17 | 6F-1 | 4.125 | - | 5.63 | 5.29 | 6.69 | 1.08 | 5.61 | - | 2.81 | 42.5 |
| 39 | PB14MX39S125 | MPB | 6.842 | 6.732 | 7.52 | 6F-1 | 4.375 | - | 5.89 | 5.29 | 6.69 | 1.08 | 5.61 | - | 2.81 | 44.9 |
| 40 | PB14MX40S125 | MPB | 7.018 | 6.908 | 7.52 | 6F-1 | 4.375 | - | 5.89 | 5.29 | 6.69 | 1.08 | 5.61 | - | 2.81 | 47.2 |
| 43 | PB14MX43S125 | MPB | 7.543 | 7.434 | 8.04 | 6F-1 | 4.813 | - | 6.51 | 5.29 | 6.81 | 1.2 | 5.61 | - | 2.81 | 55.5 |
| 45 | PB14MX45S125 | MPB | 7.894 | 7.785 | 8.4 | 6F-1 | 5 | - | 6.76 | 5.29 | 6.81 | 1.2 | 5.61 | - | 2.81 | 61.3 |
| 48 | PB14MX48S125 | MPB | 8.421 | 8.311 | 8.94 | 6F-1 | 5.625 | - | 7.29 | 5.29 | 6.81 | 1.2 | 5.61 | - | 2.81 | 68.7 |
| Taper Bushed 14mm Pitch, 125mm (4.92 in.) Wide Belt (14M-125) | | | | | | | | | | | | | | | | |
| 50 | 14MX50S125-4535 | 4535 | 8.772 | 8.662 | 9.29 | AF-1 | 4.5 | 7.44 | - | 5.29 | 3.5 | - | 5.61 | - | 2.81 | 39.4 |
| 53 | 14MX53S125-4535 | 4535 | 9.299 | 9.189 | 9.69 | AF-1 | 4.5 | 8.125 | - | 5.29 | 3.5 | - | 5.61 | - | 2.81 | 50.1 |
| 56 | 14MX56S125-4535 | 4535 | 9.825 | 9.715 | 10.36 | AF-1 | 4.5 | 8.35 | - | 5.29 | 3.5 | - | 5.61 | - | 2.81 | 52.6 |
| 60 | 14MX60S125-4535 | 4535 | 10.527 | 10.417 | 11.07 | AF-1 | 4.5 | 9.06 | - | 5.29 | 3.5 | - | 5.61 | - | 2.81 | 63.3 |
| 63 | 14MX63S125-4535 | 4535 | 11.053 | 10.943 | 11.59 | AF-1 | 4.5 | 9.59 | - | 5.29 | 3.5 | - | 5.61 | - | 2.81 | 77.2 |
| 67 | 14MX67S125-4535 | 4535 | 11.755 | 11.645 | 12.5 | AF-1 | 4.5 | 9.88 | - | 5.29 | 3.5 | - | 5.61 | - | 2.81 | 93.8 |
| 71 | 14MX71S125-5040 | 5040 | 12.457 | 12.347 | 13.07 | AF-1 | 5 | 10.67 | - | 5.29 | 4 | - | 5.61 | - | 2.81 | 93.0 |
| 75 | 14MX75S125-5040 | 5040 | 13.158 | 13.048 | 13.73 | AF-1 | 5 | 11.63 | - | 5.29 | 4 | - | 5.61 | - | 2.81 | 132.8 |
| 80 | 14MX80S125-5040 | 5040 | 14.036 | 13.926 | 14.62 | AF-1 | 5 | 12.59 | - | 5.29 | 4 | - | 5.61 | - | 2.81 | 137.0 |
| 90 | 14MX90S125-5040 | 5040 | 15.79 | 15.68 | - | D-1 | 5 | 14.26 | 11 | - | 4 | - | 5.61 | 1.61 | 2.81 | 121.0 |
| 112 | 14MX112S125-6050 | 6050 | 19.65 | 19.54 | - | A-1 | 6 | 16.35 | - | - | 5 | - | 5.61 | 0.61 | 2.81 | 210.6 |
| 140 | 14MX140S125-6050 | 6050 | 24.562 | 24.452 | - | D-3 | 6 | 20.74 | 15.5 | - | 5 | - | 5.61 | 0.61 | 2.81 | 270.3 |
| 168 | 14MX168S125-7060 | 7060 | 29.475 | 29.365 | - | C-3 | 7 | 25.11 | 17 | - | 6 | - | 5.61 | 0.39 | 2.81 | 345.2 |
| 180 | 14MX180S125-7060 | 7060 | 31.58 | 31.47 | - | C-3 | 7 | 27.06 | 17 | - | 6 | - | 5.61 | 0.39 | 2.81 | 365.2 |
| 200 | 14MX200S125-7060 | 7060 | 35.089 | 34.979 | - | C-3 | 7 | 30.29 | 17 | - | 6 | - | 5.61 | 0.39 | 2.81 | 373.5 |
| 224 | 14MX224S125-7060 | 7060 | 39.3 | 39.19 | - | C-3 | 7 | 34.21 | 17 | - | - | - | 5.61 | 0.39 | 2.81 | 482.3 |

Type: 1 - Solid 2 - Web 3 - Arms F - Flanged

NOTE: Weights for minimum plain bore (MPB) sprockets are with minimum bore.
Weights for bushed sprockets less bushing.
Dimensions in inches. Weight in pounds.

MPC® Sprockets 14mm Air Cool Heat Exchange



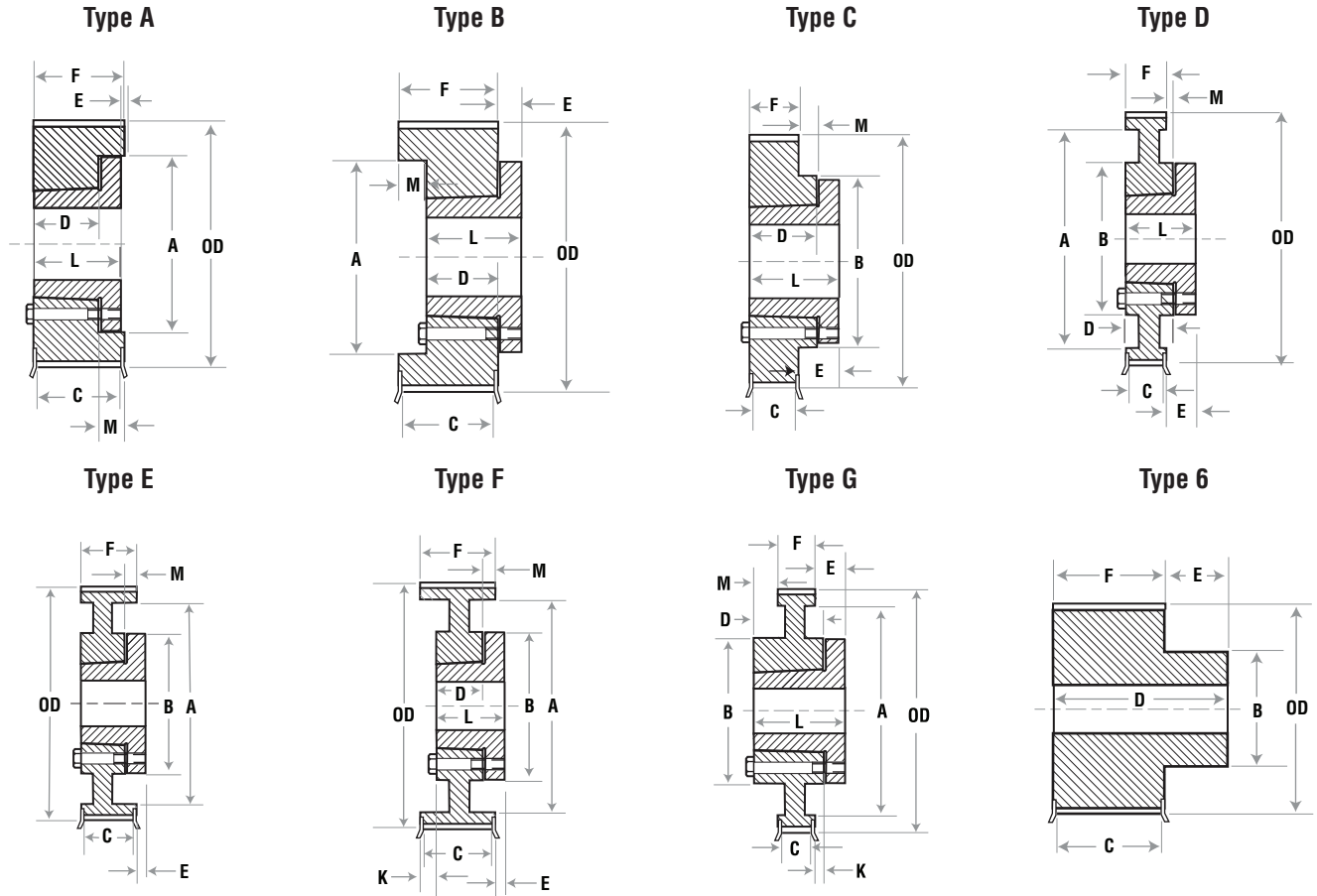
14mm Pitch — 20mm Wide Air Cool Heat Exchange Belt

| No. of Teeth | Catalog Number | Bore | Pitch Diameter | Diameter | | Type | Max Bore | Dimensions | | | | | | | | | Weight Approx. (lbs.) |
|--|----------------|------|----------------|----------|-----------------|-------|----------|------------|------|------|------|------|------|------|------|------|-----------------------|
| | | | | O.D. | Max Flange O.D. | | | A | B | C | D | E | F | L | M | F-CL | |
| MPB 14mm Pitch, 20mm (0.787 in.) Wide Belt (14M-20) | | | | | | | | | | | | | | | | | |
| 28 | F14MX28S20-SK | SK | 4.912 | 4.802 | 5.402 | AF-1 | 2.625 | 3.61 | - | 1.04 | 1.25 | 0.45 | 1.36 | 1.94 | 0.11 | 0.68 | 3.90 |
| 29 | F14MX29S20-SK | SK | 5.088 | 4.978 | 5.763 | AF-1 | 2.625 | 3.85 | - | 1.04 | 1.25 | 0.45 | 1.36 | 1.94 | 0.11 | 0.68 | 4.50 |
| 30 | F14MX30S20-SK | SK | 5.263 | 5.153 | 5.763 | AF-1 | 2.625 | 3.99 | - | 1.04 | 1.25 | 0.45 | 1.36 | 1.94 | 0.11 | 0.68 | 4.80 |
| 31 | F14MX31S20-SK | SK | 5.439 | 5.329 | 6.114 | AF-1 | 2.625 | 4.2 | - | 1.04 | 1.25 | 0.45 | 1.36 | 1.94 | 0.11 | 0.68 | 5.50 |
| 32 | F14MX32S20-SK | SK | 5.614 | 5.504 | 6.114 | AF-1 | 2.625 | 4.22 | - | 1.04 | 1.25 | 0.45 | 1.36 | 1.94 | 0.11 | 0.68 | 5.9 |
| 33 | F14MX33S20-SK | SK | 5.79 | 5.68 | 6.465 | AF-1 | 2.625 | 4.53 | - | 1.04 | 1.25 | 0.45 | 1.36 | 1.94 | 0.11 | 0.68 | 6.3 |
| 34 | F14MX34S20-SK | SK | 5.965 | 5.855 | 6.465 | AF-1 | 2.625 | 4.53 | - | 1.04 | 1.25 | 0.45 | 1.36 | 1.94 | 0.11 | 0.68 | 6.9 |
| 35 | F14MX35S20-SK | SK | 6.141 | 6.031 | 6.816 | AF-1 | 2.625 | 4.89 | - | 1.04 | 1.25 | 0.45 | 1.36 | 1.94 | 0.11 | 0.68 | 7.3 |
| 140 | F14MX140S20-E | E | 24.56 | 24.452 | - | CF-3* | 3.5 | 23.21 | 7.5 | 1.04 | 1.63 | 1.15 | 1.36 | 2.75 | 0.27 | 0.68 | 66.10 |
| 168 | F14MX168S20-F | F | 29.472 | 29.365 | - | GF-3* | 4 | 27.46 | 7.25 | 1.04 | 2.5 | 1:58 | 1.36 | 3.75 | 0.56 | 0.68 | 90.00 |
| 180 | F14MX180S20-F | F | 31.58 | 31.47 | - | CF-3* | 4 | 29.38 | 7.25 | 1.04 | 2.5 | 2.14 | 1.36 | 3.75 | 1.14 | 0.68 | 107.30 |
| 200 | F14MX200S20-F | F | 35.086 | 34.98 | - | GF-3* | 4 | 32.88 | 7.25 | 1.04 | 2.5 | 1.26 | 1.36 | 3.75 | 0.88 | 0.68 | 119.00 |
| 224 | F14MX224S20-F | F | 39.3 | 39.19 | - | CF-3* | 4 | 37.13 | 7.25 | 1.04 | 2.5 | 1.15 | 1.36 | 3.75 | 1.14 | 0.68 | 125.00 |

Type: 1 - Solid 2 - Web 3 - Arms F=Flanged

* Flanged on bushings install side only.

NOTE: Weights for minimum plain bore (MPB) sprockets are with minimum bore.
Weights for bushed sprockets less bushing.
Dimensions in inches. Weight in pounds.



14mm Pitch — 37mm Wide Air Cool Heat Exchange Belt

| No. of Teeth | Catalog Number | Bore | Pitch Diameter | Diameter | | Type | Max Bore | Dimensions | | | | | | | | | Weight Approx. (lbs.) |
|--|----------------|------|----------------|----------|-----------------|-------|----------|------------|-----|------|------|-------|------|------|------|------|-----------------------|
| | | | | O.D. | Max Flange O.D. | | | A | B | C | D | E | F | L | M | F-CL | |
| MPB 14mm Pitch, 20mm (0.787 in.) Wide Belt (14M-20) | | | | | | | | | | | | | | | | | |
| 28 | F14MX28S37-SK | SK | 4.912 | 4.802 | 5.402 | BF-1 | 2.625 | 3.61 | - | 1.74 | 1.25 | 0.56 | 2.06 | 1.94 | 0.81 | 1.03 | 4.20 |
| 29 | F14MX29S37-SK | SK | 5.088 | 4.978 | 5.763 | BF-1 | 2.625 | 3.75 | - | 1.74 | 1.25 | 0.56 | 2.06 | 1.94 | 0.81 | 1.03 | 4.70 |
| 30 | F14MX30S37-SK | SK | 5.263 | 5.153 | 5.763 | BF-1 | 2.625 | 3.89 | - | 1.74 | 1.25 | 0.56 | 2.06 | 1.94 | 0.81 | 1.03 | 5.00 |
| 31 | F14MX31S37-SK | SK | 5.439 | 5.329 | 6.114 | AF-1 | 2.625 | 4.06 | - | 1.74 | 1.25 | -0.25 | 2.06 | 1.94 | 0.81 | 1.03 | 6.00 |
| 32 | F14MX32S37-SK | SK | 5.614 | 5.504 | 6.114 | AF-1 | 2.625 | 4.22 | - | 1.74 | 1.25 | -0.25 | 2.06 | 1.94 | 0.81 | 1.03 | 7.10 |
| 33 | F14MX33S37-SK | SK | 5.79 | 5.68 | 6.465 | AF-1 | 2.625 | 4.41 | - | 1.74 | 1.25 | -0.25 | 2.06 | 1.94 | 0.81 | 1.03 | 7.50 |
| 34 | F14MX34S37-SK | SK | 5.965 | 5.855 | 6.465 | AF-1 | 2.625 | 4.53 | - | 1.74 | 1.25 | -0.25 | 2.06 | 1.94 | 0.81 | 1.03 | 7.80 |
| 35 | F14MX35S37-SK | SK | 6.141 | 6.031 | 6.816 | AF-1 | 2.625 | 4.75 | - | 1.74 | 1.25 | -0.25 | 2.06 | 1.94 | 0.81 | 1.03 | 8.30 |
| 36 | F14MX36S37-SF | SF | 6.315 | 6.206 | 6.816 | AF-1 | 2.813 | 4.94 | - | 1.74 | 1.5 | -0.19 | 2.06 | 2.06 | 0.56 | 1.03 | 8.80 |
| 180 | F14MX180S37-E | E | 31.580 | 31.47 | - | DF-3* | 3.5 | 29.38 | 7.5 | - | 1.63 | 0.69 | 2.03 | 2.75 | 0.21 | 1.02 | 120.00 |
| 200 | F14MX200S37-E | E | 35.086 | 34.98 | - | DF-3* | 3.5 | 32.92 | 7.5 | - | 1.63 | 0.69 | 2.03 | 2.75 | 0.21 | 1.02 | 130.00 |
| 224 | F14MX224S37-E | E | 39.300 | 39.19 | - | DF-3* | 3.5 | 37.13 | 7.5 | - | 1.63 | 0.69 | 2.03 | 2.75 | 0.21 | 1.02 | 177.00 |

Type: 1- Solid 2- Web 3- Arms F=Flanged

* Flanged on bushing's install side only.

NOTE: Weights for minimum plain bore (MPB) sprockets are with minimum bore.
Weights for bushed sprockets less bushing.
Dimensions in inches. Weight in pounds.

Sprocket Specifications

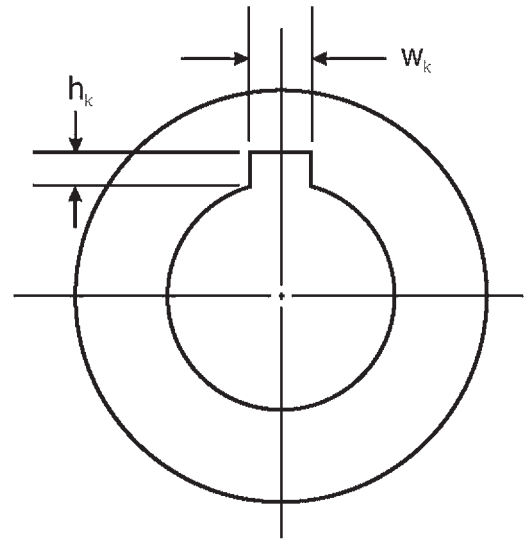


Sprocket Tolerance Specifications

MPC® sprockets are made to close tolerances. Strict adherence to the standard tolerances (as shown in table below) is highly recommended.

Sprocket Outside Diameter and Pitch

| Outside Diameter Range (in) | Outside Diameter Tolerance (in) | Pitch to Pitch Tolerance | |
|-----------------------------|---------------------------------|--------------------------|------------------------------|
| | | Adjacent Grooves | Accumulative Over 90 Degrees |
| Over 2 to and including 4 | + 0.004 - 0 | ± 0.001 | ± 0.0045 |
| Over 4 to and including 7 | + 0.005 - 0 | ± 0.001 | ± 0.005 |
| Over 7 to and including 12 | + 0.006 - 0 | ± 0.001 | ± 0.005 |
| Over 12 to and including 20 | + 0.007 - 0 | ± 0.001 | ± 0.0065 |
| Over 20 | + 0.008 - 0 | ± 0.001 | ± 0.0075 |



Sprocket Runout Radiant Runout*

| Outside Diameter | | Total Eccentricity Total Indicator Reading | |
|------------------|-----|---|--------------------------------|
| in | mm | in | mm |
| Over 2 to 4 | 50 | 0.003 | 0.08 |
| | 100 | | |
| Over 4 to 8 | 100 | 0.004 | 0.10 |
| | 200 | | |
| Over 8 | 200 | 0.005 per inch O.D. over 8" | .013 per mm O.C. over 200mm |
| | | (may not exceed face diameter tolerance) | |

*Total indicator reading

Axial Runout*

For outside diameters 1.0 inches and under 0.001 inches
 For each additional inch of outside diameter up through 10.0 inches, add 01 inches
 For each additional inch outside diameter over 10.0 inches, add 05 inches

*Total Indicator Reading

Sprocket and Bushing Keyseat

| Shaft Diameter (in) | Width w_k † | Depth h_k (in) + 0.015 0 |
|---|---------------|----------------------------------|
| Up through 7/16 (0.44) | 3/32 (0.0938) | 3/64 (0.047) |
| over 7/16 (0.44) to and incl. 9/16 (0.56) | 1/8 (0.125) | 1/16 (0.062) |
| over 9/16 (0.56) to and incl. 7/8 (0.88) | 3/16 (0.1875) | 3/32 (0.094) |
| over 7/8 (0.88) to and incl. 1-1/4 (1.25) | 1/4 (0.250) | 1/8 (0.125) |
| over 1-1/4 (1.25) to and incl. 1-3/8 (1.38) | 5/16 (0.3125) | 5/32 (0.156) |
| over 1-3/8 (1.38) to and incl. 1-3/4 (1.75) | 3/8 (0.375) | 3/16 (0.188) |
| over 1-3/4 (1.75) to and incl. 2-1/4 (2.25) | 1/2 (0.500) | 1/4 (0.250) |
| over 2-1/4 (2.25) to and incl. 2-3/4 (2.75) | 5/8 (0.625) | 5/16 (0.312) |
| over 2-3/4 (2.75) to and incl. 3-1/4 (3.25) | 3/4 (0.750) | 3/8 (0.375) |
| over 3-1/4 (3.25) to and incl. 3-3/4 (3.75) | 7/8 (0.875) | 7/16 (0.438) |
| over 3-3/4 (3.75) to and incl. 4-1/2 (4.50) | 1 (1) | 1/2 (0.500) |
| over 4-1/2 (4.50) to and incl. 5-1/2 (5.50) | 1-1/4 (1.250) | 5/8 (0.625) |

† Tolerance on width w_k
 For width up through 1/2 (0.500) +0.002, 0 inches
 For width up through 1/2 (0.500) up through 1 (1) +0.003, 0 inches
 For width over 1 (1) +0.004, 0 inches