

SYNCHRONOUS BELT DRIVES

COMBINING THE POSITIVE TIMING ACTION OF GEARS WITH THE FLEXIBILITY, SPEED AND LOW NOISE LEVEL OF BELTS

There are now two Browning® expanded and enhanced synchronous belt drive lines to add to the most extensive belt drive line available anywhere. These lines which serve applications up to 600 HP include the HPT® High Performance Timing drive line and many additional sizes of the proven BROWNING® Gearbelt® Drive line. Added selections include double Gearbelt® belts which furnish a variety of design solutions for changing shaft rotations.

Synchronous Belt Drives help reduce the problems of slippage, belt stretch, lubrication and metal-to-metal contact; they provide superior performance because power is transmitted by positive engagement of belt teeth rather than by friction as in conventional belt drives.

HPT Drives offer a wide range of HP and speeds, from very low speeds 10 RPM or less to high speeds well over 5,000 RPM and horsepower ratings from fractional to more than 200 HP. Features and benefits include:

- Significantly quieter operation
- New parabolic tooth profile
- Glass fiber cord tension member
- Neoprene rubber body
- Nylon facing fabric
- Positive drive, no slip
- Lower belt tension
- No lubrication required
- Fully interchangeable with competitive types

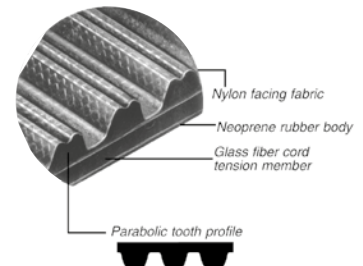
HPT® SYNCHRONOUS BELT DRIVES

| PITCH | SPROCKETS | | BELTS | |
|-------|-----------|-------------|-------------------------|---------------|
| | GROOVES | BORE RANGE | WIDTH | LENGTH |
| 8 mm | 20 - 192 | 1/2 - 3 1/2 | 20, 30, 50, 85 mm | 480 - 4400 mm |
| 14 mm | 28 - 216 | 1/2 - 5 1/2 | 40, 55, 85, 115, 170 mm | 966 - 6860 mm |

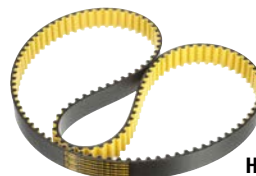
HPT® CHAIN SPROCKET



HPT® SPROCKET



HPT® BELT

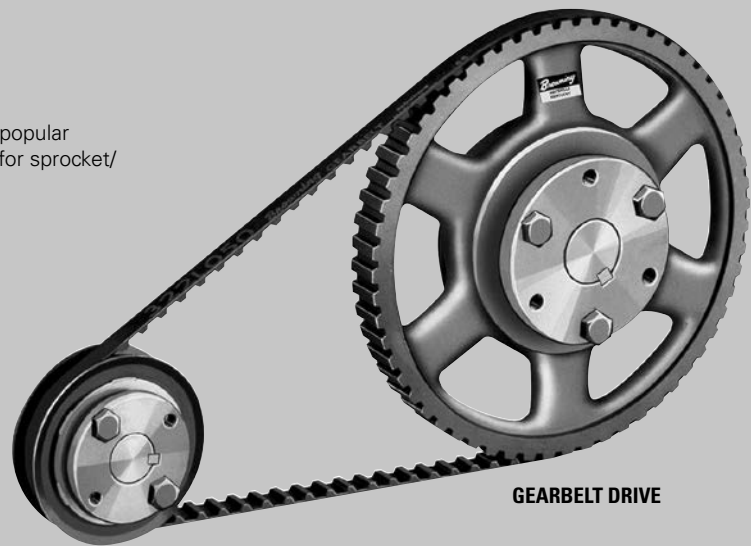


HPT CHAIN BELT

Gearbelt® Drives are offered in five stock pitches to handle a wide range of loads, speeds and applications. Advantages include:

- Constant Speed - No slip, no creep, minimum backlash, because of the positive grip of the belt teeth with pulley grooves
- High modulus strength member - Needs minimum take-up
- Freedom from initial belt tension - Reduces bearing loads, increases life
- Compact design - Gearbelt® belts permit smaller pulleys, shorter centers, narrow belts
- Lightweight - high horsepower-to-weight ratio makes Gearbelt drives ideal for any application where weight is an important factor
- Less heat - because Gearbelt drives generate virtually no friction!
- No lubrication required
- Wide load capacity range
- Wide belt speed range

Both HPT® and Gearbelt® Drives offer a choice of the popular BROWNING SPLIT TAPER® bushing or Q-D® bushing for sprocket/pulleys.



GEARBELT DRIVE



GEARBELT® PULLEYS



BROWNING SPLIT TAPER® AND Q-D® BUSHINGS

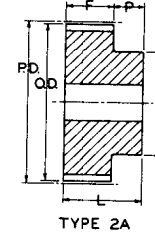
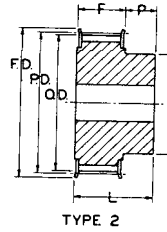
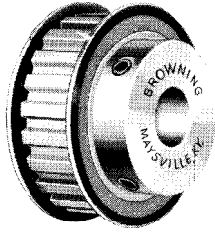


GEARBELT®

GEARBELT® DRIVES

| PITCH | GEARBELT PULLEYS | | GEARBELTS | | | |
|-------|------------------|-------------|----------------|-----------------------------|---------------|----------|
| | GROOVES | BORE RANGE* | BELT WIDTH | PITCH LENGTH | No. TEETH | |
| XL | 1/5" | 10 - 72 | MB 3/16 - 1" | 1/4 - 5/16 - 3/8" ** | 6.0" - 26.0" | 30 - 130 |
| | | 10 - 17 | FB 3/8 - 1 | | | |
| L | 3/8" | 18 - 40 | MB 1/2 - 2 3/8 | 1/2 - 3/4" - 1" ** | 12.375 - 60.0 | 33 - 160 |
| | | 18 - 120 | 3/8 - 1 3/4 | | | |
| H | 1/2" | 14 - 30 | MB 5/8 - 2 3/8 | 3/4 - 1 - 1 1/2 - 2 - 3" ** | 24.0 - 170.00 | 48 - 340 |
| | | 14 - 156 | 3/8 - 3 3/4 | | | |
| XH | 7/8" | 18 - 26 | MB 1-3 3/4 | 2 - 3 - 4 - 5 - 6 - 8 | 50.75 - 175.0 | 58 - 200 |
| | | 18 - 120 | 3/4 - 4 1/4 | | | |
| XXH | 1 1/4" | 18 - 90 | 1 1/8 - 5 | 2 - 3 - 4 - 5 - 6 - 8 | 70.0 - 180.0 | 56 - 144 |

*MB = Minimum Bore. FB = Finished Bore. Others are bushing type.
 **Double Gearbelt available in XL, L & H sizes.



SPECIFICATIONS - STOCK MINIMUM BORE GEARBELT® PULLEYS FOR "XL", 1/5" PITCH BELTS 1/4" AND 3/8" WIDE

TABLE No. 1.

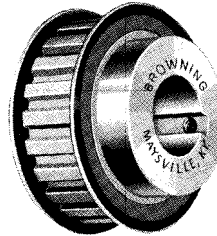
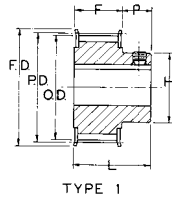
| PART NUMBER | DIAMETERS | | | | NUMBER OF GROOVES | TYPE | BORE | | DIMENSIONS | | | | WT. Lbs. |
|-------------|-----------|-------|---------|--------|-------------------|------|-------|-------|------------|--------|-------|--------|----------|
| | STEEL | PITCH | OUTSIDE | FLANGE | | | STOCK | MAX. | F | L | P | H | |
| 10XLB037 | 10XLB037S | .637" | .617" | 15/16" | 10 | 2 | 3/16" | 3/16" | 9/16" | 13/16" | 1/4" | 7/16" | .04 |
| 11XLB037 | - | .700 | .680 | 15/16" | 11 | 2 | 3/16 | 3/16 | 9/16 | 13/16 | 1/4 | 1/2 | .04 |
| 12XLB037 | 12XLB037S | .764 | .744 | 1 | 12 | 2 | 3/16 | 1/4 | 9/16 | 13/16 | 1/4 | 1/2 | .04 |
| 14XLB037 | 14XLB037S | .891 | .871 | 1 1/8 | 14 | 2 | 1/4 | 1/4 | 9/16 | 13/16 | 1/4 | 9/16 | .05 |
| 15XLB037 | 15XLB037S | .955 | .935 | 1 3/16 | 15 | 2 | 1/4 | 5/16 | 9/16 | 13/16 | 1/4 | 5/8 | .06 |
| 16XLB037 | 16XLB037S | 1.019 | .999 | 1 1/4 | 16 | 2 | 1/4 | 3/8 | 9/16 | 13/16 | 1/4 | 11/16 | .06 |
| 18XLB037 | 18XLB037S | 1.146 | 1.126 | 1 3/8 | 18 | 2 | 1/4 | 1/2 | 9/16 | 13/16 | 1/4 | 13/16 | .08 |
| 20XLB037 | 20XLB037S | 1.273 | 1.253 | 1 1/2 | 20 | 2 | 1/4 | 9/16 | 9/16 | 7/8 | 11/32 | 15/16 | .10 |
| 21XLB037 | 21XLB037S | 1.337 | 1.317 | 1 9/16 | 21 | 2 | 1/4 | 9/16 | 9/16 | 7/8 | 11/32 | 1 | .11 |
| 22XLB037 | 22XLB037S | 1.401 | 1.381 | 1 5/8 | 22 | 2 | 1/4 | 5/8 | 9/16 | 7/8 | 11/32 | 1 | .12 |
| 24XLB037 | 24XLB037S | 1.528 | 1.508 | 1 3/4 | 24 | 2 | 1/4 | 11/16 | 9/16 | 29/32 | 11/32 | 1 1/16 | .13 |
| 28XLB037 | 28XLB037S | 1.783 | 1.763 | 2 | 28 | 2 | 1/4 | 13/16 | 9/16 | 29/32 | 11/32 | 1 3/16 | .13 |
| 30XLB037 | 30XLB037S | 1.910 | 1.890 | 2 1/8 | 30 | 2 | 1/4 | 15/16 | 9/16 | 29/32 | 11/32 | 1 5/16 | .13 |
| 32XLB037 | 32XLB037S | 2.037 | 2.017 | 2 1/4 | 32 | 2A | 5/16 | 1 | 9/16 | 29/32 | 7/16 | 1 7/16 | .13 |
| 36XLB037 | 36XLB037S | 2.292 | 2.272 | - | 36 | 2A | 5/16 | 1 | 9/16 | 1 | 7/16 | 1 1/2 | .19 |
| 40XLB037 | 40XLB037S | 2.546 | 2.526 | - | 40 | 2A | 5/16 | 1 | 9/16 | 1 | 7/16 | 1 1/2 | .25 |
| 42XLB037 | 42XLB037S | 2.674 | 2.654 | - | 42 | 2A | 5/16 | 1 | 9/16 | 1 | 7/16 | 1 1/2 | .31 |
| 44XLB037 | 44XLB037S | 2.801 | 2.781 | - | 44 | 2A | 5/16 | 1 | 9/16 | 1 | 7/16 | 1 1/2 | .38 |
| 48XLB037 | 48XLB037S | 3.056 | 3.036 | - | 48 | 2A | 5/16 | 1 | 9/16 | 1 | 7/16 | 1 1/2 | .38 |
| 60XLB037 | 60XLB037S | 3.820 | 3.800 | - | 60 | 2A | 3/8 | 1 | 9/16 | 1 | 7/16 | 1 1/2 | .38 |
| 72XLB037 | 72XLB037S | 4.584 | 4.564 | - | 72 | 2A | 3/8 | 1 | 9/16 | 1 | 7/16 | 1 1/2 | .44 |

Browning® Stock Minimum Bore Pulleys (shown above) for "XL" Gearbelt belts are made of aluminum. They are furnished without keyseats but with two Hollow Head Setscrews at 90 degrees, since most of these pulleys are used on applications which normally do not require a key. They can be bored to size and furnished with keyseat at a reasonable extra price. These pulleys are also stocked in steel or sintered steel material, available by adding 'S' to the end of the part number- i.e., 16XLB037S.

STOCK "XL", 1/5" PITCH GEARBELT® BELTS

TABLE No. 2

| PITCH LENGTH | No. TEETH | 1/4" WIDE | | 3/8" WIDE | |
|--------------|-----------|-----------|----------|-----------|----------|
| | | PART No. | WT. Lbs. | PART No. | WT. Lbs. |
| 6.0" | 30 | 60XL025 | .006 | 60XL037 | .009 |
| 7.0 | 35 | 70XL025 | .007 | 70XL037 | .011 |
| 8.0 | 40 | 80XL025 | .008 | 80XL037 | .012 |
| 9.0 | 45 | 90XL025 | .009 | 90XL037 | .014 |
| 10.0 | 50 | 100XL025 | .011 | 100XL037 | .015 |
| 11.0 | 55 | 110XL025 | .012 | 110XL037 | .017 |
| 12.0 | 60 | 120XL025 | .013 | 120XL037 | .018 |
| 13.0 | 65 | 130XL025 | .014 | 130XL037 | .020 |
| 14.0 | 70 | 140XL025 | .015 | 140XL037 | .021 |
| 15.0 | 75 | 150XL025 | .016 | 150XL037 | .023 |
| 16.0 | 80 | 160XL025 | .017 | 160XL037 | .024 |
| 17.0 | 85 | 170XL025 | .018 | 170XL037 | .026 |
| 18.0 | 90 | 180XL025 | .019 | 180XL037 | .027 |
| 19.0 | 95 | 190XL025 | .020 | 190XL037 | .029 |
| 20.0 | 100 | 200XL025 | .021 | 200XL037 | .030 |
| 21.0 | 105 | 210XL025 | .022 | 210XL037 | .032 |
| 22.0 | 110 | 220XL025 | .023 | 220XL037 | .033 |
| 23.0 | 115 | 230XL025 | .024 | 230XL037 | .035 |
| 24.0 | 120 | 240XL025 | .025 | 240XL037 | .036 |
| 25.0 | 125 | 250XL025 | .026 | 250XL037 | .038 |
| 26.0 | 130 | 260XL025 | .027 | 260XL037 | .039 |



SPECIFICATIONS - STOCK FINISHED BORE GEARBELT® PULLEYS

TABLE No. 1

| PART NUMBER | DIAMETERS | | | NUMBER OF GROOVES | TYPE | STOCK BORES MARKED "X" | | | | MAX.* BORE | DIMENSIONS | | | | WT. Lbs. |
|--|-----------|---------|----------|-------------------|------|------------------------|------|------|------|------------|------------|--------|------|----------|----------|
| | PITCH | OUTSIDE | FLANGE | | | 3/8" | 1/2" | 5/8" | 3/4" | | F | L | P | H | |
| FOR L050 BELTS, 3/8" PITCH, 1/2" WIDE | | | | | | | | | | | | | | | |
| 10LF050 | 1.194" | 1.164" | 1 17/16" | 10 | 1 | X | .. | .. | .. | 1/2" | 3/4" | 1 1/4" | 1/2" | 13/16" | .3 |
| 12LF050 | 1.432 | 1.402 | 1 11/16" | 12 | 1 | X | X | .. | .. | 5/8" | 3/4" | 1 1/4" | 1/2" | 1 | .3 |
| 13LF050 | 1.552 | 1.522 | 1 13/16" | 13 | 1 | X | X | .. | .. | 3/4" | 3/4" | 1 1/4" | 1/2" | 1 1/8" | .4 |
| 14LF050 | 1.671 | 1.641 | 1 15/16" | 14 | 1 | X | X | .. | .. | 3/4" | 3/4" | 1 1/4" | 1/2" | 1 1/8" | .5 |
| 15LF050 | 1.790 | 1.760 | 2 1/16" | 15 | 1 | .. | X | X | X | 7/8" | 3/4" | 1 1/4" | 1/2" | 1 11/32" | .6 |
| 16LF050 | 1.910 | 1.880 | 2 3/16" | 16 | 1 | .. | X | X | X | 1" | 3/4" | 1 1/4" | 1/2" | 1 7/16" | .8 |
| 17LF050 | 2.029 | 1.999 | 2 5/16" | 17 | 1 | .. | X | X | X | 1" | 3/4" | 1 1/4" | 1/2" | 1 7/16" | .8 |
| FOR L075 BELTS, 3/8" PITCH, 3/4" WIDE | | | | | | | | | | | | | | | |
| 12LF075 | 1.432" | 1.402" | 1 11/16" | 12 | 1 | X | X | .. | .. | 3/4" | 1" | 1 1/2" | 1/2" | 1" | .5 |
| 13LF075 | 1.552 | 1.522 | 1 13/16" | 13 | 1 | X | X | .. | .. | 3/4" | 1" | 1 1/2" | 1/2" | 1 1/8" | .6 |
| 14LF075 | 1.671 | 1.641 | 1 15/16" | 14 | 1 | X | X | .. | .. | 3/4" | 1" | 1 1/2" | 1/2" | 1 1/8" | .6 |
| 15LF075 | 1.790 | 1.760 | 2 1/16" | 15 | 1 | .. | X | X | X | 7/8" | 1" | 1 1/2" | 1/2" | 1 11/32" | .8 |
| 16LF075 | 1.910 | 1.880 | 2 3/16" | 16 | 1 | .. | X | X | X | 1" | 1" | 1 1/2" | 1/2" | 1 7/16" | .8 |
| 17LF075 | 2.029 | 1.999 | 2 5/16" | 17 | 1 | .. | X | X | X | 1" | 1" | 1 1/2" | 1/2" | 1 7/16" | 1.0 |
| FOR L100 BELTS, 3/8" PITCH, 1" WIDE | | | | | | | | | | | | | | | |
| 13LF100 | 1.552" | 1.522" | 1 13/16" | 13 | 1 | X | X | .. | .. | 3/4" | 1 1/4" | 1 3/4" | 1/2" | 1 1/8" | .7 |
| 14LF100 | 1.671 | 1.641 | 1 15/16" | 14 | 1 | X | X | .. | .. | 3/4" | 1 1/4" | 1 3/4" | 1/2" | 1 1/8" | .8 |
| 15LF100 | 1.790 | 1.760 | 2 1/16" | 15 | 1 | .. | X | X | X | 7/8" | 1 1/4" | 1 3/4" | 1/2" | 1 11/32" | 1.0 |
| 16LF100 | 1.910 | 1.880 | 2 3/16" | 16 | 1 | .. | X | X | X | 1" | 1 1/4" | 1 3/4" | 1/2" | 1 7/16" | 1.0 |
| 17LF100 | 2.029 | 1.999 | 2 5/16" | 17 | 1 | .. | X | X | X | 1" | 1 1/4" | 1 3/4" | 1/2" | 1 7/16" | 1.2 |

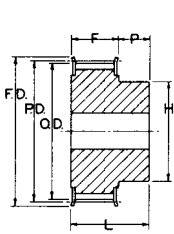
Browning® Stock "L" Finished Bore Pulleys with 3/8" and 1/2" Bore are furnished with a Hollow Head Setscrew and No Keyway. Stock Pulleys with 5/8" and 3/4" Bore are furnished with 3/16" x 3/32" Keyseat and Hollow Head Setscrew over Keyseat.

*Pulleys with larger bores up to Maximum shown can be furnished at a reasonable extra price with Standard or Shallow Keyseat, depending on design, and with Hollow Head Setscrew.

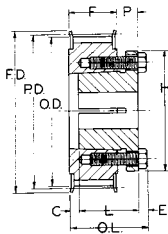
STOCK "L", 3/8" PITCH GEARBELT® BELTS

TABLE No. 2

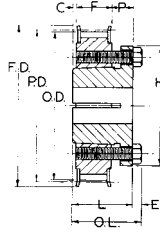
| PITCH LENGTH | No. TEETH | 1/2" WIDE | | 3/4" WIDE | | 1" WIDE | |
|--------------|-----------|-----------|----------|-----------|----------|----------|----------|
| | | PART No. | WT. Lbs. | PART No. | WT. Lbs. | PART No. | WT. Lbs. |
| 12.375" | 33 | 124L050 | .04 | 124L075 | .13 | 124L100 | .13 |
| 15.000 | 40 | 150L050 | .04 | 150L075 | .13 | 150L100 | .13 |
| 18.750 | 50 | 187L050 | .05 | 187L075 | .19 | 187L100 | .19 |
| 21.000 | 56 | 210L050 | .06 | 210L075 | .13 | 210L100 | .19 |
| 22.500 | 60 | 225L050 | .06 | 225L075 | .13 | 225L100 | .19 |
| 24.000 | 64 | 240L050 | .07 | 240L075 | .13 | 240L100 | .19 |
| 25.500 | 68 | 255L050 | .07 | 255L075 | .13 | 255L100 | .19 |
| 27.000 | 72 | 270L050 | .08 | 270L075 | .13 | 270L100 | .19 |
| 28.500 | 76 | 285L050 | .08 | 285L075 | .13 | 285L100 | .19 |
| 30.000 | 80 | 300L050 | .08 | 300L075 | .13 | 300L100 | .19 |
| 32.250 | 86 | 322L050 | .09 | 322L075 | .19 | 322L100 | .19 |
| 34.500 | 92 | 345L050 | .10 | 345L075 | .19 | 345L100 | .25 |
| 36.750 | 98 | 367L050 | .10 | 367L075 | .19 | 367L100 | .25 |
| 39.000 | 104 | 390L050 | .11 | 390L075 | .25 | 390L100 | .25 |
| 42.000 | 112 | 420L050 | .12 | 420L075 | .19 | 420L100 | .25 |
| 45.000 | 120 | 450L050 | .13 | 450L075 | .25 | 450L100 | .25 |
| 48.000 | 128 | 480L050 | .19 | 480L075 | .25 | 480L100 | .25 |
| 51.000 | 136 | 510L050 | .19 | 510L075 | .25 | 510L100 | .31 |
| 54.000 | 144 | 540L050 | .19 | 540L075 | .25 | 540L100 | .38 |
| 60.000 | 160 | 600L050 | .25 | 600L075 | .31 | 600L100 | .38 |



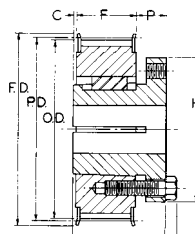
TYPE 2



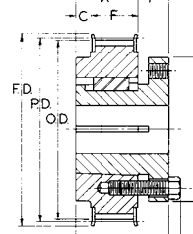
TYPE 4



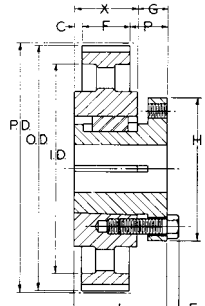
TYPE 5



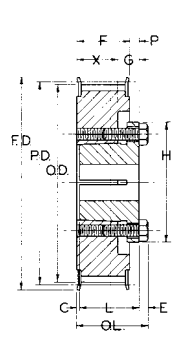
TYPE 6



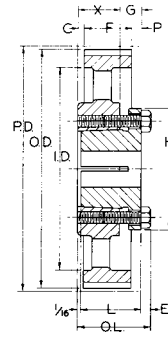
TYPE 7



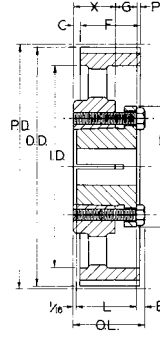
TYPE 13



TYPE 16



TYPE 17



TYPE 18

BORE RANGE

TABLE No. 1

| BORE RANGE | BUSHING |
|--------------|---------|
| 3/8" to 1" | G |
| 3/8 to 1 1/2 | H |
| 1/2 to 1 3/4 | P1 |

STANDARD KEYSEATS

TABLE No. 2

| BORE RANGE | KEYSEATS |
|-----------------|--------------|
| 3/8" & 7/16" | None |
| 1/2 & 9/16 | 1/8" x 1/16" |
| 5/8 to 7/8 | 3/16 x 3/32 |
| 15/16 to 1 1/4 | 1/4 x 1/8 |
| 1 5/16 & 1 3/8 | 5/16 x 5/32 |
| 1 7/16 to 1 3/4 | 3/8 x 3/16 |

1 3/8" Bore Bushings also available with 3/8" x 7/16" Keyseat.

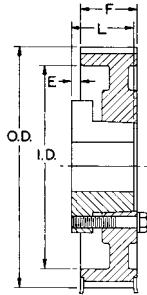
TABLE No. 3

SPECIFICATIONS-STOCK MINIMUM BORE GEARBELT® PULLEYS

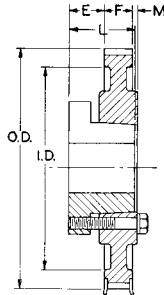
| PART NUMBER | DIAMETERS | | | NUMBER OF GROOVES | TYPE | BORE | | DIMENSIONS | | | | WT. Lbs. |
|--|-----------|---------|---------|-------------------|------|-------|--------|------------|--------|------|---------|----------|
| | PITCH | OUTSIDE | FLANGE | | | STOCK | MAX. | F | L | P | H | |
| FOR L050 BELTS, 3/8" PITCH, 1/2" WIDE | | | | | | | | | | | | |
| 18LB050 | 2.149" | 2.119" | 2 7/16" | 18 | 2 | 1/2" | 7/8" | 3/4" | 1 1/4" | 1/2" | 1 9/16 | .8 |
| 19LB050 | 2.268 | 2.238 | 2 5/8 | 19 | 2 | 1/2 | 7/8 | 3/4 | 1 1/4 | 1/2 | 1 11/16 | .9 |
| 20LB050 | 2.387 | 2.357 | 2 5/8 | 20 | 2 | 1/2 | 7/8 | 3/4 | 1 1/4 | 1/2 | 1 11/16 | 1.0 |
| 21LB050 | 2.507 | 2.477 | 2 7/8 | 21 | 2 | 1/2 | 1 1/4 | 3/4 | 1 1/4 | 1/2 | 2 | 1.3 |
| 22LB050 | 2.626 | 2.596 | 2 7/8 | 22 | 2 | 1/2 | 1 1/4 | 3/4 | 1 1/4 | 1/2 | 2 | 1.4 |
| 24LB050 | 2.865 | 2.835 | 3 1/8 | 24 | 2 | 1/2 | 1 3/8 | 3/4 | 1 1/4 | 1/2 | 2 1/4 | 1.8 |
| 26LB050 | 3.104 | 3.074 | 3 3/8 | 26 | 2 | 1/2 | 1 3/8 | 3/4 | 1 1/4 | 1/2 | 2 1/4 | 2.1 |
| 28LB050 | 3.342 | 3.312 | 3 5/8 | 28 | 2 | 1/2 | 1 3/8 | 3/4 | 1 1/4 | 1/2 | 2 1/4 | 2.3 |
| 30LB050 | 3.581 | 3.551 | 3 13/16 | 30 | 2 | 1/2 | 1 3/8 | 3/4 | 1 1/4 | 1/2 | 2 1/4 | 2.4 |
| 32LB050 | 3.820 | 3.790 | 4 1/16 | 32 | 2 | 1/2 | 1 5/8 | 3/4 | 1 1/4 | 1/2 | 2 5/8 | 3.0 |
| 36LB050 | 4.297 | 4.267 | 4 11/16 | 36 | 2 | 1/2 | 2 5/16 | 3/4 | 1 1/4 | 1/2 | 3 1/2 | 3.8 |
| 40LB050 | 4.775 | 4.745 | 5 | 40 | 2 | 1/2 | 2 3/8 | 3/4 | 1 1/4 | 1/2 | 3 5/8 | 4.6 |
| FOR L075 BELTS, 3/8" PITCH, 3/4" WIDE | | | | | | | | | | | | |
| 18LB075 | 2.149" | 2.119" | 2 7/16" | 18 | 2 | 1/2" | 7/8" | 1" | 1 1/2" | 1/2" | 1 9/16 | 1.0 |
| 19LB075 | 2.268 | 2.238 | 2 5/8 | 19 | 2 | 1/2 | 7/8 | 1 | 1 1/2 | 1/2 | 1 11/16 | 1.3 |
| 20LB075 | 2.387 | 2.357 | 2 5/8 | 20 | 2 | 1/2 | 7/8 | 1 | 1 1/2 | 1/2 | 1 11/16 | 1.3 |
| 21LB075 | 2.507 | 2.477 | 2 7/8 | 21 | 2 | 5/8 | 1 1/4 | 1 | 1 1/2 | 1/2 | 2 | 1.6 |
| 22LB075 | 2.626 | 2.596 | 2 7/8 | 22 | 2 | 5/8 | 1 1/4 | 1 | 1 1/2 | 1/2 | 2 | 1.8 |
| 24LB075 | 2.865 | 2.835 | 3 1/8 | 24 | 2 | 5/8 | 1 3/8 | 1 | 1 1/2 | 1/2 | 2 1/4 | 2.1 |
| 26LB075 | 3.104 | 3.074 | 3 3/8 | 26 | 2 | 5/8 | 1 3/8 | 1 | 1 1/2 | 1/2 | 2 1/4 | 2.4 |
| 28LB075 | 3.342 | 3.312 | 3 5/8 | 28 | 2 | 5/8 | 1 3/8 | 1 | 1 1/2 | 1/2 | 2 1/4 | 2.9 |
| 30LB075 | 3.581 | 3.551 | 3 13/16 | 30 | 2 | 5/8 | 1 3/8 | 1 | 1 1/2 | 1/2 | 2 1/4 | 3.0 |
| 32LB075 | 3.820 | 3.790 | 4 1/16 | 32 | 2 | 5/8 | 1 5/8 | 1 | 1 1/2 | 1/2 | 2 5/8 | 3.6 |
| 36LB075 | 4.297 | 4.267 | 4 11/16 | 36 | 2 | 5/8 | 2 5/16 | 1 | 1 1/2 | 1/2 | 3 1/2 | 4.4 |
| 40LB075 | 4.775 | 4.745 | 5 | 40 | 2 | 5/8 | 2 3/8 | 1 | 1 1/2 | 1/2 | 3 5/8 | 5.0 |
| FOR L100 BELTS, 3/8" PITCH, 1" WIDE | | | | | | | | | | | | |
| 18LB100 | 2.149" | 2.119" | 2 7/16" | 18 | 2 | 1/2" | 7/8" | 1 1/4" | 1 3/4" | 1/2" | 1 9/16 | 1.2 |
| 19LB100 | 2.268 | 2.238 | 2 5/8 | 19 | 2 | 1/2 | 7/8 | 1 1/4 | 1 3/4 | 1/2 | 1 11/16 | 1.4 |
| 20LB100 | 2.387 | 2.357 | 2 5/8 | 20 | 2 | 1/2 | 7/8 | 1 1/4 | 1 3/4 | 1/2 | 1 11/16 | 1.8 |
| 21LB100 | 2.507 | 2.477 | 2 7/8 | 21 | 2 | 5/8 | 1 1/4 | 1 1/4 | 1 3/4 | 1/2 | 2 | 2.0 |
| 22LB100 | 2.626 | 2.596 | 2 7/8 | 22 | 2 | 5/8 | 1 1/4 | 1 1/4 | 1 3/4 | 1/2 | 2 | 2.1 |
| 24LB100 | 2.865 | 2.835 | 3 1/8 | 24 | 2 | 5/8 | 1 3/8 | 1 1/4 | 1 3/4 | 1/2 | 2 1/4 | 2.5 |
| 26LB100 | 3.104 | 3.074 | 3 3/8 | 26 | 2 | 5/8 | 1 3/8 | 1 1/4 | 1 3/4 | 1/2 | 2 7/16 | 3.0 |
| 28LB100 | 3.342 | 3.312 | 3 5/8 | 28 | 2 | 5/8 | 1 3/4 | 1 1/4 | 1 3/4 | 1/2 | 2 11/16 | 3.6 |
| 30LB100 | 3.581 | 3.551 | 3 13/16 | 30 | 2 | 5/8 | 1 7/8 | 1 1/4 | 1 3/4 | 1/2 | 2 13/16 | 4.1 |
| 32LB100 | 3.820 | 3.790 | 4 1/16 | 32 | 2 | 5/8 | 2 | 1 1/4 | 1 3/4 | 1/2 | 3 1/8 | 4.8 |
| 36LB100 | 4.297 | 4.267 | 4 11/16 | 36 | 2 | 5/8 | 2 5/16 | 1 1/4 | 1 3/4 | 1/2 | 3 1/2 | 5.4 |
| 40LB100 | 4.775 | 4.745 | 5 | 40 | 2 | 5/8 | 2 5/16 | 1 1/4 | 1 3/4 | 1/2 | 3 5/8 | 6.0 |

Browning® Stock Minimum Bore Pulleys for "L" Gearbelt belts are furnished without keyseats or setscrews. They can be bored to size and furnished with keyseats and setscrews at a reasonable extra price.

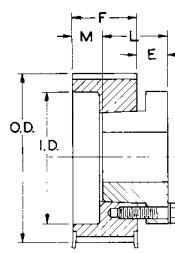
Maximum Bores shown will accommodate Standard Keyseats and Setscrew over Keyseat. Slightly Larger Bores are possible without Ks., Shallow Ks. or Setscrew at angle to Ks.



TYPE B



TYPE C



TYPE E

STANDARD KEYSEATS

TABLE No. 1

| BORE RANGE | KEYSEATS |
|-----------------|--------------|
| 3/8" & 7/16" | None |
| 1/2 & 9/16 | 1/8" x 1/16" |
| 5/8 to 7/8 | 3/16 x 3/32 |
| 15/16 to 1 1/4 | 1/4 x 1/8 |
| 1 5/16 & 1 3/8 | 5/16 x 5/32 |
| 1 7/16 to 1 3/4 | 3/8 x 3/16 |
| 1 13/16 to 2 | 1/2 x 1/4 |

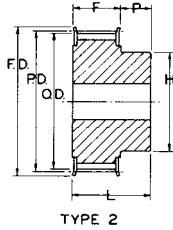
1 3/4" Bore Bushings also available with 3/8" x 3/16" Keyseat.

TABLE No. 1

SPECIFICATIONS - GEARBELT® PULLEYS WITH O-D® BUSHINGS

| PART No. | BUSHING | BORE RANGE | TYPE | NUMBER OF GROOVES | DIAMETERS | | | | DIMENSIONS | | | WT. LESS BUSH. | |
|---|---------|---------------|------|-------------------|-----------|---------|--------|---------|------------|---------|------|----------------|--|
| | | | | | PITCH | FLANGE | O.D. | I.D. | E | L | M | | |
| FOR L050 BELTS, 3/8" PITCH, 1/2" WIDE F= 3/4" | | | | | | | | | | | | | |
| 18L050JA | JA | 1/2" - 1 1/4" | E1F | 18 | 2.149" | 2 7/16" | 2.119" | - | 1/2" | 1" | 0" | .5 | |
| 20L050JA | JA | 1/2 - 1 1/4 | E1F | 20 | 2.387 | 2 5/8 | 2.357 | - | 1/2 | 1 | 0 | .7 | |
| 22L050JA | JA | 1/2 - 1 1/4 | E1F | 22 | 2.626 | 2 7/8 | 2.596 | - | 1/2 | 1 | 0 | .9 | |
| 24L050SH | SH | 1/2 - 1 5/8 | E1F | 24 | 2.865 | 3 1/8 | 2.835 | - | 21/32 | 1 5/16 | 0 | 1.0 | |
| 26L050SH | SH | 1/2 - 1 5/8 | B1F | 26 | 3.104 | 3 3/8 | 3.074 | - | 21/32 | 1 5/16 | - | 1.2 | |
| 28L050SH | SH | 1/2 - 1 5/8 | B1F | 28 | 3.342 | 3 5/8 | 3.312 | - | 21/32 | 1 5/16 | - | 1.3 | |
| 30L050SDS | SDS | 1/2 - 2 | B1F | 30 | 3.581 | 3 13/16 | 3.551 | - | 21/32 | 1 5/16 | - | 1.5 | |
| 32L050SDS | SDS | 1/2 - 2 | B1F | 32 | 3.820 | 4 1/16 | 3.790 | - | 21/32 | 1 5/16 | - | 1.9 | |
| 36L050SDS | SDS | 1/2 - 2 | B1F | 36 | 4.297 | 4 17/32 | 4.267 | - | 21/32 | 1 5/16 | - | 2.3 | |
| 40L050SDS | SDS | 1/2 - 2 | B1F | 40 | 4.775 | 5 | 4.745 | - | 21/32 | 1 5/16 | - | 2.6 | |
| 44L050SDS | SDS | 1/2 - 2 | B1F | 44 | 5.252 | 5 31/64 | 5.222 | - | 21/32 | 1 5/16 | - | 3.0 | |
| 48L050SDS | SDS | 1/2 - 2 | B1F | 48 | 5.730 | 6 | 5.700 | - | 21/32 | 1 5/16 | - | 3.4 | |
| 60L050SD | SD | 1/2 - 2 | C2 | 60 | 7.162 | - | 7.132 | 6 1/4 | 29/32 | 1 13/16 | 1/4 | 5.1 | |
| 72L050SD | SD | 1/2 - 2 | C3 | 72 | 8.594 | - | 8.564 | 7 5/8 | 29/32 | 1 13/16 | 1/4 | 6.5 | |
| 84L050SD | SD | 1/2 - 2 | C3 | 84 | 10.027 | - | 9.997 | 9 1/8 | 29/32 | 1 13/16 | 1/4 | 7.8 | |
| 96L050SD | SD | 1/2 - 2 | C3 | 96 | 11.459 | - | 11.429 | 10 1/2 | 29/32 | 1 13/16 | 1/4 | 9.3 | |
| 120L050SD | SD | 1/2 - 2 | C3 | 120 | 14.324 | - | 14.294 | 13 3/8 | 29/32 | 1 13/16 | 1/4 | 13.8 | |
| FOR L075 BELTS, 3/8" PITCH, 3/4" WIDE, F= 1 | | | | | | | | | | | | | |
| 18L075JA | JA | 1/2" - 1 1/4" | E1F | 18 | 2.149" | 2 7/16" | 2.119" | - | 1/2" | 1" | 3/8" | .6 | |
| 20L075JA | JA | 1/2 - 1 1/4 | E1F | 20 | 2.387 | 2 5/8 | 2.357 | - | 1/2 | 1 | 3/8 | .8 | |
| 22L075JA | JA | 1/2 - 1 1/4 | E1F | 22 | 2.626 | 2 7/8 | 2.596 | 1 7/8 | 1/2 | 1 | 3/8 | 1.0 | |
| 24L075SH | SH | 1/2 - 1 5/8 | E1F | 24 | 2.865 | 3 5/16 | 2.835 | 1 25/32 | 21/32 | 1 5/16 | 5/16 | 1.2 | |
| 26L075SH | SH | 1/2 - 1 5/8 | E1F | 26 | 3.104 | 3 3/8 | 3.074 | 1 25/32 | 21/32 | 1 5/16 | 5/16 | 1.4 | |
| 28L075SH | SH | 1/2 - 1 5/8 | E1F | 28 | 3.342 | 3 5/8 | 3.312 | 2 5/8 | 21/32 | 1 5/16 | 5/16 | 1.6 | |
| 30L075SDS | SDS | 1/2 - 2 | E1F | 30 | 3.581 | 3 13/16 | 3.551 | 2 3/32 | 21/32 | 1 5/16 | 5/16 | 1.8 | |
| 32L075SDS | SDS | 1/2 - 2 | E1F | 32 | 3.820 | 4 1/16 | 3.790 | 3 | 21/32 | 1 5/16 | 5/16 | 2.3 | |
| 36L075SDS | SDS | 1/2 - 2 | B1F | 36 | 4.297 | 4 17/32 | 4.267 | 3 3/8 | 13/32 | 1 5/16 | - | 2.8 | |
| 40L075SDS | SDS | 1/2 - 2 | B1F | 40 | 4.775 | 5 | 4.745 | 3 3/4 | 13/32 | 1 5/16 | - | 3.2 | |
| 44L075SDS | SDS | 1/2 - 2 | B1F | 44 | 5.252 | 5 31/64 | 5.222 | 4 1/4 | 13/32 | 1 5/16 | - | 3.7 | |
| 48L075SDS | SDS | 1/2 - 2 | B1F | 48 | 5.730 | 6 | 5.700 | 4 3/4 | 13/32 | 1 5/16 | - | 4.3 | |
| 60L075SD | SD | 1/2 - 2 | C2 | 60 | 7.162 | - | 7.132 | 6 1/4 | 25/32 | 1 13/16 | 1/8 | 5.7 | |
| 72L075SD | SD | 1/2 - 2 | C3 | 72 | 8.594 | - | 8.564 | 7 5/8 | 25/32 | 1 13/16 | 1/8 | 7.3 | |
| 84L075SD | SD | 1/2 - 2 | C3 | 84 | 10.027 | - | 9.997 | 9 1/8 | 25/32 | 1 13/16 | 1/8 | 8.5 | |
| 96L075SD | SD | 1/2 - 2 | C3 | 96 | 11.459 | - | 11.429 | 10 1/2 | 25/32 | 1 13/16 | 1/8 | 10.3 | |
| 120L075SD | SD | 1/2 - 2 | C3 | 120 | 14.324 | - | 14.294 | 13 3/8 | 25/32 | 1 13/16 | 1/8 | 15.0 | |
| FOR L100 BELTS, 3/8" PITCH, 1" WIDE, F= 1 1/4" | | | | | | | | | | | | | |
| 18L100JA | JA | 1/2" - 1 1/4" | E1F | 18 | 2.149" | 2 7/16" | 2.119" | - | 1/2" | 1" | 5/8" | .7 | |
| 20L100JA | JA | 1/2 - 1 1/4 | E1F | 20 | 2.387 | 2 5/8 | 2.357 | - | 1/2 | 1 | 5/8 | 1.0 | |
| 22L100JA | JA | 1/2 - 1 1/4 | E1F | 22 | 2.626 | 2 7/8 | 2.596 | 1 7/8 | 1/2 | 1 | 5/8 | 1.3 | |
| 24L100SH | SH | 1/2 - 1 5/8 | E1F | 24 | 2.865 | 3 5/16 | 2.835 | 1 25/32 | 21/32 | 1 5/16 | 1/2 | 1.4 | |
| 26L100SH | SH | 1/2 - 1 5/8 | E1F | 26 | 3.104 | 3 3/8 | 3.074 | 1 25/32 | 21/32 | 1 5/16 | 1/2 | 1.7 | |
| 28L100SH | SH | 1/2 - 1 5/8 | E1F | 28 | 3.342 | 3 5/8 | 3.312 | 2 5/8 | 21/32 | 1 5/16 | 1/2 | 1.9 | |
| 30L100SDS | SDS | 1/2 - 2 | E1F | 30 | 3.581 | 3 13/16 | 3.551 | 2 3/32 | 21/32 | 1 5/16 | 1/2 | 2.2 | |
| 32L100SDS | SDS | 1/2 - 2 | E1F | 32 | 3.820 | 4 1/16 | 3.790 | 3 | 21/32 | 1 5/16 | 1/2 | 2.7 | |
| 36L100SDS | SDS | 1/2 - 2 | B1F | 36 | 4.297 | 4 17/32 | 4.267 | 3 3/8 | 5/32 | 1 5/16 | - | 3.3 | |
| 40L100SDS | SDS | 1/2 - 2 | B1F | 40 | 4.775 | 5 | 4.745 | 3 3/4 | 5/32 | 1 5/16 | - | 3.8 | |
| 44L100SDS | SDS | 1/2 - 2 | B1F | 44 | 5.252 | 5 31/64 | 5.222 | 4 1/4 | 5/32 | 1 5/16 | - | 4.5 | |
| 48L100SDS | SDS | 1/2 - 2 | B1F | 48 | 5.730 | 6 | 5.700 | 4 3/4 | 5/32 | 1 5/16 | - | 5.3 | |
| 60L100SD | SD | 1/2 - 2 | B2 | 60 | 7.162 | - | 7.132 | 6 1/4 | 21/32 | 1 13/16 | - | 6.2 | |
| 72L100SD | SD | 1/2 - 2 | B3 | 72 | 8.594 | - | 8.564 | 7 5/8 | 21/32 | 1 13/16 | - | 8.0 | |
| 84L100SD | SD | 1/2 - 2 | B3 | 84 | 10.027 | - | 9.997 | 9 1/8 | 21/32 | 1 13/16 | - | 9.2 | |
| 96L100SD | SD | 1/2 - 2 | B3 | 96 | 11.459 | - | 11.429 | 10 1/2 | 21/32 | 1 13/16 | - | 11.2 | |
| 120L100SD | SD | 1/2 - 2 | B3 | 120 | 14.324 | - | 14.294 | 13 3/8 | 21/32 | 1 13/16 | - | 16.2 | |

Note - Numerals in Type Designations mean: 1 = Solid, 2 = Web, and 3 = Arm Construction; F = Flanged Pulley.



Browning® Stock Minimum Bore Pulleys for "H" Gearbelts are furnished without key-seats or setscrews. They can be bored to size and furnished with keyseats and setscrews at a reasonable extra price.

*Maximum Bores shown will accommodate Standard Keyseats and Setscrew over Keyseat. Slightly Larger Bores are possible with no Ks., Shallow Ks., or S.S. at angle to Ks.

TABLE No. 1 SPECIFICATIONS-STOCK MINIMUM BORE GEARBELT® PULLEYS

| PART NUMBER | DIAMETERS | | | NUMBER OF GROOVES | TYPE | BORE | | DIMENSIONS | | | | WT. Lbs. |
|--|-----------|---------|----------|-------------------|------|--------|----------|------------|----------|--------|--------|----------|
| | PITCH | OUTSIDE | FLANGE | | | STOCK | MAX.* | F | L | P | H | |
| FOR H075 AND H100 BELTS, 1/2" PITCH, 3/4" AND 1" WIDE | | | | | | | | | | | | |
| 14HB100 | 2.228" | 2.174" | 2 7/16" | 14 | 2 | 5/8" | 7/8" | 1 5/16" | 1 7/8" | 5/8" | 1 5/8" | 1.4 |
| 16HB100 | 2.546 | 2.492 | 2 7/8" | 16 | 2 | 5/8" | 1 1/8" | 1 5/16" | 2 | 3/4" | 1 7/8" | 2.0 |
| 17HB100 | 2.706 | 2.652 | 3 | 17 | 2 | 5/8" | 1 1/4" | 1 5/16" | 2 | 3/4" | 2 | 2.3 |
| 18HB100 | 2.865 | 2.811 | 3 1/8" | 18 | 2 | 5/8" | 1 3/8" | 1 5/16" | 2 | 3/4" | 2 1/4" | 2.8 |
| 19HB100 | 3.024 | 2.970 | 3 3/8" | 19 | 2 | 5/8" | 1 1/2" | 1 5/16" | 2 | 3/4" | 2 3/8" | 3.1 |
| 20HB100 | 3.183 | 3.129 | 3 3/8" | 20 | 2 | 5/8" | 1 5/8" | 1 5/16" | 2 1/8" | 7/8" | 2 1/2" | 3.6 |
| 21HB100 | 3.342 | 3.288 | 3 5/8" | 21 | 2 | 3/4" | 1 11/16" | 1 5/16" | 2 1/8" | 7/8" | 2 5/8" | 3.9 |
| 22HB100 | 3.501 | 3.447 | 3 13/16" | 22 | 2 | 3/4" | 1 3/4" | 1 5/16" | 2 1/4" | 1 | 2 3/4" | 4.5 |
| 24HB100 | 3.820 | 3.766 | 4 1/16" | 24 | 2 | 3/4" | 1 7/8" | 1 5/16" | 2 1/4" | 1 | 3 | 5.6 |
| 26HB100 | 4.138 | 4.084 | 4 3/8" | 26 | 2 | 3/4" | 2 1/4" | 1 5/16" | 2 3/8" | 1 1/8" | 3 3/8" | 7.0 |
| 28HB100 | 4.456 | 4.402 | 4 11/16" | 28 | 2 | 3/4" | 2 5/16" | 1 5/16" | 2 3/8" | 1 1/8" | 3 1/2" | 8.0 |
| 30HB100 | 4.775 | 4.721 | 5 | 30 | 2 | 3/4" | 2 3/8" | 1 5/16" | 2 3/8" | 1 1/8" | 3 5/8" | 9.1 |
| FOR H150 BELTS, 1/2" PITCH, 1 1/2" WIDE | | | | | | | | | | | | |
| 14HB150 | 2.228" | 2.174" | 2 7/16" | 14 | 2 | 3/4" | 7/8" | 1 13/16" | 2 3/8" | 5/8" | 1 5/8" | 1.8 |
| 16HB150 | 2.546 | 2.492 | 2 7/8" | 16 | 2 | 3/4" | 1 1/8" | 1 13/16" | 2 1/2" | 3/4" | 1 7/8" | 2.5 |
| 17HB150 | 2.706 | 2.652 | 3 | 17 | 2 | 3/4" | 1 1/4" | 1 13/16" | 2 1/2" | 3/4" | 2 | 3.0 |
| 18HB150 | 2.865 | 2.811 | 3 3/8" | 18 | 2 | 3/4" | 1 3/8" | 1 13/16" | 2 1/2" | 3/4" | 2 1/4" | 3.4 |
| 19HB150 | 3.024 | 2.970 | 3 3/8" | 19 | 2 | 3/4" | 1 1/2" | 1 13/16" | 2 1/2" | 3/4" | 2 3/8" | 3.9 |
| 20HB150 | 3.183 | 3.129 | 3 3/8" | 20 | 2 | 3/4" | 1 5/8" | 1 13/16" | 2 5/8" | 7/8" | 2 1/2" | 4.5 |
| 21HB150 | 3.342 | 3.288 | 3 5/8" | 21 | 2 | 3/4" | 1 11/16" | 1 13/16" | 2 5/8" | 7/8" | 2 5/8" | 5.0 |
| 22HB150 | 3.501 | 3.447 | 3 13/16" | 22 | 2 | 3/4" | 1 3/4" | 1 13/16" | 2 3/4" | 1 | 2 3/4" | 5.8 |
| 24HB150 | 3.820 | 3.766 | 4 1/16" | 24 | 2 | 3/4" | 1 7/8" | 1 13/16" | 2 3/4" | 1 | 3 | 6.9 |
| 26HB150 | 4.138 | 4.084 | 4 3/8" | 26 | 2 | 3/4" | 2 1/4" | 1 13/16" | 2 3/4" | 1 | 3 3/8" | 8.5 |
| 28HB150 | 4.456 | 4.402 | 4 11/16" | 28 | 2 | 3/4" | 2 5/16" | 1 13/16" | 2 7/8" | 1 1/8" | 3 1/2" | 10.1 |
| 30HB150 | 4.775 | 4.721 | 5 | 30 | 2 | 3/4" | 2 3/8" | 1 13/16" | 2 7/8" | 1 1/8" | 3 5/8" | 11.5 |
| FOR H200 BELTS, 1/2" PITCH, 2" WIDE | | | | | | | | | | | | |
| 14HB200 | 2.228" | 2.174" | 2 7/16" | 14 | 2 | 3/4" | 7/8" | 2 11/16" | 2 29/32" | 5/8" | 1 5/8" | 2.3 |
| 16HB200 | 2.546 | 2.492 | 2 7/8" | 16 | 2 | 3/4" | 1 1/8" | 2 11/16" | 3 1/32" | 3/4" | 1 7/8" | 3.3 |
| 17HB200 | 2.706 | 2.652 | 3 | 17 | 2 | 3/4" | 1 1/4" | 2 11/16" | 3 1/32" | 3/4" | 2 | 3.8 |
| 18HB200 | 2.865 | 2.811 | 3 1/8" | 18 | 2 | 3/4" | 1 3/8" | 2 11/16" | 3 1/32" | 3/4" | 2 1/4" | 4.4 |
| 19HB200 | 3.024 | 2.970 | 3 3/8" | 19 | 2 | 3/4" | 1 1/2" | 2 11/16" | 3 1/32" | 3/4" | 2 3/8" | 5.0 |
| 20HB200 | 3.183 | 3.129 | 3 3/8" | 20 | 2 | 1 | 1 5/8" | 2 11/16" | 3 5/32" | 7/8" | 2 1/2" | 5.3 |
| 21HB200 | 3.342 | 3.288 | 3 5/8" | 21 | 2 | 1 | 1 11/16" | 2 11/16" | 3 5/32" | 7/8" | 2 5/8" | 5.9 |
| 22HB200 | 3.501 | 3.447 | 3 13/16" | 22 | 2 | 1 | 1 3/4" | 2 11/16" | 3 9/32" | 1 | 2 3/4" | 6.9 |
| 24HB200 | 3.820 | 3.766 | 4 1/16" | 24 | 2 | 1 | 1 7/8" | 2 11/16" | 3 9/32" | 1 | 3 | 8.3 |
| 26HB200 | 4.138 | 4.084 | 4 3/8" | 26 | 2 | 1 | 2 1/4" | 2 11/16" | 3 13/32" | 1 1/8" | 3 3/8" | 10.2 |
| 28HB200 | 4.456 | 4.402 | 4 11/16" | 28 | 2 | 1 | 2 5/16" | 2 11/16" | 3 13/32" | 1 1/8" | 3 1/2" | 11.8 |
| 30HB200 | 4.775 | 4.721 | 5 | 30 | 2 | 1 | 2 3/8" | 2 11/16" | 3 13/32" | 1 1/8" | 3 5/8" | 13.5 |
| FOR H300 BELTS, 1/2" PITCH, 3" WIDE | | | | | | | | | | | | |
| 16HB300 | 2.546" | 2.492 | 2 7/8" | 16 | 2 | 3/4" | 1 1/8" | 3 3/8" | 4 1/16" | 3/4" | 1 7/8" | 4.5 |
| 17HB300 | 2.706 | 2.652 | 3 | 17 | 2 | 3/4" | 1 1/4" | 3 3/8" | 4 1/16" | 3/4" | 2 | 5.1 |
| 18HB300 | 2.865 | 2.811 | 3 1/8" | 18 | 2 | 3/4" | 1 3/8" | 3 3/8" | 4 1/16" | 3/4" | 2 1/4" | 6.0 |
| 19HB300 | 3.024 | 2.970 | 3 3/8" | 19 | 2 | 3/4" | 1 1/2" | 3 3/8" | 4 1/16" | 3/4" | 2 3/8" | 6.6 |
| 20HB300 | 3.183 | 3.129 | 3 3/8" | 20 | 2 | 3/4" | 1 5/8" | 3 3/8" | 4 3/16" | 7/8" | 2 1/2" | 7.5 |
| 21HB300 | 3.342 | 3.288 | 3 5/8" | 21 | 2 | 3/4" | 1 11/16" | 3 3/8" | 4 3/16" | 7/8" | 2 5/8" | 9.0 |
| 22HB300 | 3.501 | 3.447 | 3 13/16" | 22 | 2 | 1 1/8" | 1 3/4" | 3 3/8" | 4 5/16" | 1 | 2 3/4" | 10.9 |
| 24HB300 | 3.820 | 3.766 | 4 1/16" | 24 | 2 | 1 1/8" | 1 7/8" | 3 3/8" | 4 5/16" | 1 | 3 | 12.0 |
| 26HB300 | 4.138 | 4.084 | 4 3/8" | 26 | 2 | 1 1/8" | 2 1/4" | 3 3/8" | 4 7/16" | 1 1/8" | 3 3/8" | 13.4 |
| 28HB300 | 4.456 | 4.402 | 4 11/16" | 28 | 2 | 1 1/8" | 2 5/16" | 3 3/8" | 4 7/16" | 1 1/8" | 3 1/2" | 15.6 |
| 30HB300 | 4.775 | 4.721 | 5 | 30 | 2 | 1 1/8" | 2 3/8" | 3 3/8" | 4 7/16" | 1 1/8" | 3 5/8" | 18.0 |

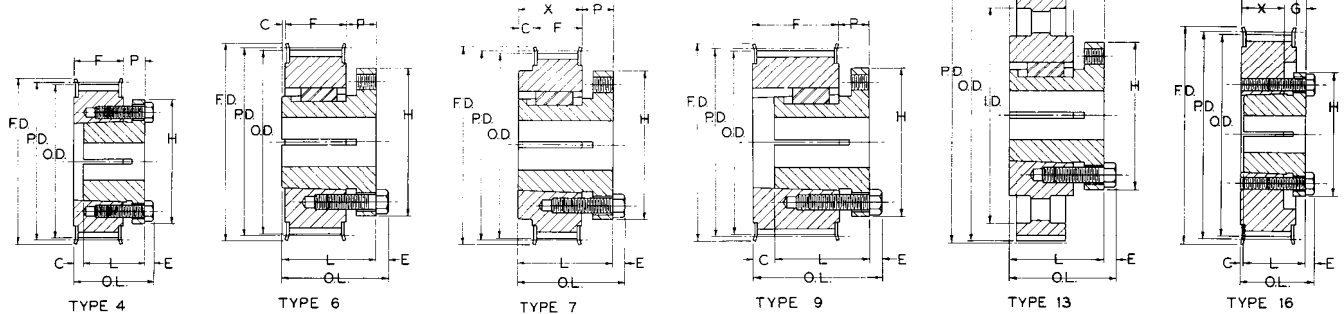


TABLE No. 1 SPECIFICATIONS - STOCK GEARBELT® PULLEYS WITH BROWNING SPLIT TAPER® BUSHINGS

| PART NUMBER | | DIAMETERS | | | | NUMBER OF GROOVES | TYPE | DIMENSIONS | | | | | | | | | WT. Lbs. LESS BUSH. |
|-------------|---------|-----------|---------|--------|--------|-------------------|------|------------|---|---|---|---|---|---|---|---|---------------------|
| PULLEY | BUSHING | PITCH | OUTSIDE | INSIDE | FLANGE | | | O.L. | F | L | P | C | H | G | X | E | |

FOR H075 AND H100 BELTS, 1/2" PITCH, 3/4" AND 1" WIDE

| | | | | | | | | | | | | | | | | | |
|----------|----|--------|--------|----------|---------|-----|----|---------|--------|---------|-------|---------|--------|-------|--------|-------|------|
| 14HG100 | G | 2.228" | 2.174" | - | 2 7/16" | 14 | 4 | 1 7/8" | 1 1/4" | 1 | 7/16" | 1 1/16" | 2" | - | - | 3/16" | .8 |
| 16HG100 | G | 2.546 | 2.492 | - | 2 7/8 | 16 | 4 | 1 7/8 | 1 1/4 | 1 | 7/16 | 1 1/16 | 2 | - | - | 3/16 | 1.3 |
| 18HH100 | H | 2.865 | 2.811 | - | 3 1/8 | 18 | 4 | 1 7/8" | 1 1/4 | 1 1/4" | 7/16" | 7/16" | 2 1/2" | - | - | 3/16" | 1.4 |
| 20HH100 | H | 3.183 | 3.129 | - | 3 3/8 | 20 | 4 | 1 7/8 | 1 1/4 | 1 1/4 | 7/16 | 7/16 | 2 1/2 | - | - | 3/16 | 1.8 |
| 22HH100 | H | 3.501 | 3.447 | - | 3 13/16 | 22 | 16 | 1 7/16 | 1 1/4 | 1 1/4 | 0 | 0 | 2 1/2 | 7/16" | 13/16" | 3/16 | 2.0 |
| 22HP100 | P1 | 3.501 | 3.447 | - | 3 13/16 | 22 | 6 | 2 1/8 | 1 1/4 | 1 15/16 | 5/8 | 1/16 | 3 | - | - | 1/4 | 2.2 |
| 24HH100 | H | 3.820 | 3.766 | - | 4 1/16 | 24 | 16 | 1 7/16 | 1 1/4 | 1 1/4 | 0 | 0 | 2 1/2 | 7/16 | 13/16 | 3/16 | 2.6 |
| 24HP100 | P1 | 3.820 | 3.766 | - | 4 1/16 | 24 | 6 | 2 1/8 | 1 1/4 | 1 15/16 | 5/8 | 1/16 | 3 | - | - | 1/4 | 2.8 |
| 26HH100 | H | 4.138 | 4.084 | - | 4 3/8 | 26 | 16 | 1 7/16 | 1 1/4 | 1 1/4 | 0 | 0 | 2 1/2 | 7/16 | 13/16 | 3/16 | 3.1 |
| 26HP100 | P1 | 4.138 | 4.084 | - | 4 3/8 | 26 | 6 | 2 1/8 | 1 1/4 | 1 15/16 | 5/8 | 1/16 | 3 | - | - | 1/4 | 3.5 |
| 28HH100 | H | 4.456 | 4.402 | - | 4 11/16 | 28 | 16 | 1 7/16 | 1 1/4 | 1 1/4 | 0 | 0 | 2 1/2 | 7/16 | 13/16 | 3/16 | 3.8 |
| 28HP100 | P1 | 4.456 | 4.402 | - | 4 11/16 | 28 | 6 | 2 1/8 | 1 1/4 | 1 15/16 | 5/8 | 1/16 | 3 | - | - | 1/4 | 4.2 |
| 30HH100 | H | 4.775 | 4.721 | - | 5 | 30 | 16 | 1 7/16 | 1 1/4 | 1 1/4 | 0 | 0 | 2 1/2 | 7/16 | 13/16 | 3/16 | 4.5 |
| 30HP100 | P1 | 4.775 | 4.721 | - | 5 | 30 | 6 | 2 1/8 | 1 1/4 | 1 15/16 | 5/8 | 1/16 | 3 | - | - | 1/4 | 4.9 |
| 32HQ100 | Q1 | 5.093 | 5.039 | - | 5 5/16 | 32 | 7 | 2 25/32 | 1 1/4 | 2 1/2 | 3/4" | 1/2 | 4 1/8 | - | 1 3/4 | 9/32 | 5.0 |
| 36HQ100 | Q1 | 5.730 | 5.676 | - | 6 | 36 | 7 | 2 25/32 | 1 1/4 | 2 1/2 | 3/4 | 1/2 | 4 1/8 | - | 1 3/4 | 9/32 | 6.4 |
| 40HQ100 | Q1 | 6.366 | 6.312 | - | 6 9/16 | 40 | 7 | 2 25/32 | 1 1/4 | 2 1/2 | 3/4 | 1/2 | 4 1/8 | - | 1 3/4 | 9/32 | 8.5 |
| 44HQ100 | Q1 | 7.003 | 6.949 | - | 7 1/4 | 44 | 7 | 2 25/32 | 1 1/4 | 2 1/2 | 3/4 | 1/2 | 4 1/8 | - | 1 3/4 | 9/32 | 10.0 |
| 48HQ100 | Q1 | 7.639 | 7.585 | - | 7 7/8 | 48 | 7 | 2 25/32 | 1 1/4 | 2 1/2 | 3/4 | 1/2 | 4 1/8 | - | 1 3/4 | 9/32 | 12.3 |
| 60HQ100 | Q1 | 9.549 | 9.495 | 8 11/16" | - | 60 | 13 | 2 25/32 | 1 1/4 | 2 1/2 | 1 | 1/4 | 4 1/8 | 3/4 | 1 3/4 | 9/32 | 13.0 |
| 72HQ100 | Q1 | 11.459 | 11.405 | 10 9/16 | - | 72 | 13 | 2 25/32 | 1 1/4 | 2 1/2 | 1 | 1/4 | 4 1/8 | 3/4 | 1 3/4 | 9/32 | 15.3 |
| 84HQ100 | Q1 | 13.369 | 13.315 | 12 1/2 | - | 84 | 13 | 2 25/32 | 1 1/4 | 2 1/2 | 1 | 1/4 | 4 1/8 | 3/4 | 1 3/4 | 9/32 | 19.5 |
| 96HQ100 | Q1 | 15.279 | 15.225 | 14 3/8 | - | 96 | 13 | 2 25/32 | 1 1/4 | 2 1/2 | 1 | 1/4 | 4 1/8 | 3/4 | 1 3/4 | 9/32 | 20.6 |
| 120HQ100 | Q1 | 19.099 | 19.045 | 18 3/16 | - | 120 | 13 | 2 25/32 | 1 1/4 | 2 1/2 | 1 | 1/4 | 4 1/8 | 3/4 | 1 3/4 | 9/32 | 25.8 |
| 156HQ100 | Q1 | 24.828 | 24.774 | 23 15/16 | - | 156 | 13 | 2 25/32 | 1 1/4 | 2 1/2 | 1 | 1/4 | 4 1/8 | 3/4 | 1 3/4 | 9/32 | 34.0 |

FOR H150 BELTS, 1/2" PITCH, 1 1/2" WIDE

| | | | | | | | | | | | | | | | | | |
|----------|----|--------|--------|----------|---------|-----|----|---------|--------|---------|-------|---------|--------|-------|---------|-------|------|
| 14HG150 | G | 2.228" | 2.174" | - | 2 7/16" | 14 | 4 | 2 3/8" | 1 3/4" | 1 | 7/16" | 1 3/16" | 2" | - | - | 3/16" | 1.3 |
| 16HG150 | G | 2.546 | 2.492 | - | 2 7/8 | 16 | 4 | 2 3/8 | 1 3/4 | 1 | 7/16 | 1 3/16 | 2 | - | - | 3/16 | 1.9 |
| 18HH150 | H | 2.865 | 2.811 | - | 3 1/8 | 18 | 4 | 2 3/8" | 1 3/4 | 1 1/4" | 7/16" | 15/16" | 2 1/2" | - | - | 3/16" | 2.0 |
| 20HH150 | H | 3.183 | 3.129 | - | 3 3/8 | 20 | 4 | 2 3/8 | 1 3/4 | 1 1/4 | 7/16 | 15/16 | 2 1/2 | - | - | 3/16 | 2.6 |
| 22HH150 | H | 3.501 | 3.447 | - | 3 13/16 | 22 | 16 | 1 15/16 | 1 3/4 | 1 1/4 | 0 | 1/2 | 2 1/2 | 7/16" | 1 5/16" | 3/16 | 3.0 |
| 22HP150 | P1 | 3.501 | 3.447 | - | 3 13/16 | 22 | 9 | 2 5/8 | 1 3/4 | 1 15/16 | 5/8 | 7/16 | 3 | - | 1 5/16 | 1/4 | 3.0 |
| 24HH150 | H | 3.820 | 3.766 | - | 4 1/16 | 24 | 16 | 1 15/16 | 1 3/4 | 1 1/4 | 0 | 1/2 | 2 1/2 | 7/16 | 1 5/16 | 3/16 | 3.9 |
| 24HP150 | P1 | 3.820 | 3.766 | - | 4 1/16 | 24 | 9 | 2 5/8 | 1 3/4 | 1 15/16 | 5/8 | 7/16 | 3 | - | 1 5/16 | 1/4 | 3.9 |
| 26HH150 | H | 4.138 | 4.084 | - | 4 3/8 | 26 | 16 | 1 15/16 | 1 3/4 | 1 1/4 | 0 | 1/2 | 2 1/2 | 7/16 | 1 5/16 | 3/16 | 4.5 |
| 26HP150 | P1 | 4.138 | 4.084 | - | 4 3/8 | 26 | 9 | 2 5/8 | 1 3/4 | 1 15/16 | 5/8 | 7/16 | 3 | - | 1 5/16 | 1/4 | 4.9 |
| 28HH150 | H | 4.456 | 4.402 | - | 4 11/16 | 28 | 16 | 1 15/16 | 1 3/4 | 1 1/4 | 0 | 1/2 | 2 1/2 | 7/16 | 1 5/16 | 3/16 | 5.5 |
| 28HP150 | P1 | 4.456 | 4.402 | - | 4 11/16 | 28 | 9 | 2 5/8 | 1 3/4 | 1 15/16 | 5/8 | 7/16 | 3 | - | 1 5/16 | 1/4 | 5.9 |
| 30HH150 | H | 4.775 | 4.721 | - | 5 | 30 | 16 | 1 15/16 | 1 3/4 | 1 1/4 | 0 | 1/2 | 2 1/2 | 7/16 | 1 5/16 | 3/16 | 6.5 |
| 30HP150 | P1 | 4.775 | 4.721 | - | 5 | 30 | 9 | 2 5/8 | 1 3/4 | 1 15/16 | 5/8 | 7/16 | 3 | - | 1 5/16 | 1/4 | 6.9 |
| 32HQ150 | Q1 | 5.093 | 5.039 | - | 5 5/16 | 32 | 9 | 2 25/32 | 1 3/4 | 2 1/2 | 3/4 | 0 | 4 1/8 | - | 1 3/4 | 9/32 | 6.5 |
| 36HQ150 | Q1 | 5.730 | 5.676 | - | 6 | 36 | 9 | 2 25/32 | 1 3/4 | 2 1/2 | 3/4 | 0 | 4 1/8 | - | 1 3/4 | 9/32 | 9.1 |
| 40HQ150 | Q1 | 6.366 | 6.312 | - | 6 9/16 | 40 | 9 | 2 25/32 | 1 3/4 | 2 1/2 | 3/4 | 0 | 4 1/8 | - | 1 3/4 | 9/32 | 11.8 |
| 44HQ150 | Q1 | 7.003 | 6.949 | - | 7 1/4 | 44 | 9 | 2 25/32 | 1 3/4 | 2 1/2 | 3/4 | 0 | 4 1/8 | - | 1 3/4 | 9/32 | 15.1 |
| 48HQ150 | Q1 | 7.639 | 7.585 | - | 7 7/8 | 48 | 9 | 2 25/32 | 1 3/4 | 2 1/2 | 3/4 | 0 | 4 1/8 | - | 1 3/4 | 9/32 | 19.0 |
| 60HQ150 | Q1 | 9.549 | 9.495 | 8 11/16" | - | 60 | 13 | 2 25/32 | 1 3/4 | 2 1/2 | 3/4 | - | 4 1/8 | 3/4 | 1 3/4 | 9/32 | 14.3 |
| 72HQ150 | Q1 | 11.459 | 11.405 | 10 9/16 | - | 72 | 13 | 2 25/32 | 1 3/4 | 2 1/2 | 3/4 | - | 4 1/8 | 3/4 | 1 3/4 | 9/32 | 16.9 |
| 84HQ150 | Q1 | 13.369 | 13.315 | 12 1/2 | - | 84 | 13 | 2 25/32 | 1 3/4 | 2 1/2 | 3/4 | - | 4 1/8 | 3/4 | 1 3/4 | 9/32 | 21.4 |
| 96HQ150 | Q1 | 15.279 | 15.225 | 14 3/8 | - | 96 | 13 | 2 25/32 | 1 3/4 | 2 1/2 | 3/4 | - | 4 1/8 | 3/4 | 1 3/4 | 9/32 | 24.9 |
| 120HQ150 | Q1 | 19.099 | 19.045 | 18 3/16 | - | 120 | 13 | 2 25/32 | 1 3/4 | 2 1/2 | 3/4 | - | 4 1/8 | 3/4 | 1 3/4 | 9/32 | 29.9 |
| 156HQ150 | Q1 | 24.828 | 24.774 | 23 15/16 | - | 156 | 13 | 2 25/32 | 1 3/4 | 2 1/2 | 3/4 | - | 4 1/8 | 3/4 | 1 3/4 | 9/32 | 38.0 |

BORE RANGE

| BUSHING | BORE RANGE |
|---------|----------------|
| G | 3/8" to 1" |
| H | 3/8 to 1 1/2 |
| P1 | 1/2 to 1 3/4 |
| Q1 | 3/4 to 2 11/16 |

STANDARD KEYSEATS

| BORE RANGE | KEYSEAT | BORE RANGE | KEYSEAT |
|----------------|--------------|-------------------|---------------|
| 3/8" & 7/16" | None | 1 5/16" & 1 3/8" | 5/16" x 5/32" |
| 1/2 & 9/16" | 1/8" x 1/16" | 1 7/16 to 1 3/4 | 3/8 x 3/16 |
| 5/8 to 7/8 | 3/16 x 3/32 | 1 13/16 to 2 1/4 | 1/2 x 1/4 |
| 15/16 to 1 1/4 | 1/4 x 1/8 | 2 5/16 to 2 11/16 | 5/8 x 5/16 |

1 3/4" Bore Bushings also available with 3/4" x 3/16" Keyseat.

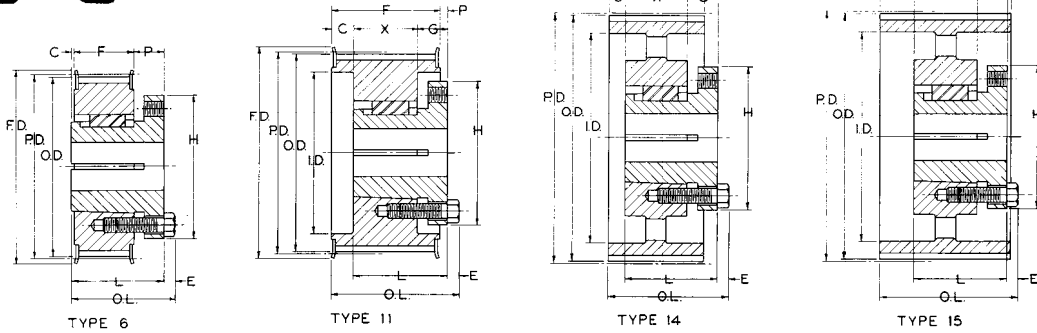


TABLE No.1 SPECIFICATIONS-STOCK GEARBELT® PULLEYS WITH BROWNING SPLIT TAPER® BUSHINGS

| PART NUMBER | | DIAMETERS | | | | NUMBER OF GROOVES | TYPE | DIMENSIONS | | | | | | | | | | WT. Lbs. LESS BUSH. |
|--|---------|-----------|----------|-----------|----------|-------------------|------|------------|---------|----------|--------|--------|--------|------|--------|-------|------|---------------------|
| PULLEY | BUSHING | PITCH | OUT-SIDE | INSIDE | FLANGE | | | O.L. | F | L | P | C | H | G | X | E | | |
| FOR H200 BELTS, 1/2" PITCH, 2" WIDE | | | | | | | | | | | | | | | | | | |
| 22HP200 | P2 | 3.501" | 3.447" | - | 3 13/16" | 22 | 6 | 3 3/16" | 2 9/32" | 2 15/16" | 5/8" | 1/32" | 3" | - | - | 1/4" | 3.9 | |
| 24HP200 | P2 | 3.820 | 3.766 | - | 4 1/16" | 24 | 6 | 3 3/16" | 2 9/32" | 2 15/16" | 5/8" | 1/32" | 3 | - | - | 1/4 | 5.1 | |
| 26HP200 | P2 | 4.138 | 4.084 | - | 4 3/8" | 26 | 6 | 3 3/16" | 2 9/32" | 2 15/16" | 5/8" | 1/32" | 3 | - | - | 1/4 | 6.3 | |
| 28HP200 | P2 | 4.456 | 4.402 | - | 4 11/16" | 28 | 6 | 3 3/16" | 2 9/32" | 2 15/16" | 5/8" | 1/32" | 3 | - | - | 1/4 | 7.7 | |
| 30HP200 | P2 | 4.775 | 4.721 | - | 5 | 30 | 6 | 3 3/16" | 2 9/32" | 2 15/16" | 5/8" | 1/32" | 3 | - | - | 1/4 | 9.2 | |
| 32HQ200 | Q1 | 5.093 | 5.039 | 4 1/4 | 5 5/16" | 32 | 11 | 2 25/32" | 2 9/32" | 2 1/2" | 7/32" | 0 | 4 1/8" | 3/4" | 1 3/4" | 9/32" | 6.5 | |
| 36HQ200 | Q1 | 5.730 | 5.676 | 4 1/2 | 6 | 36 | 11 | 2 25/32" | 2 9/32" | 2 1/2" | 7/32" | 0 | 4 1/8" | 3/4 | 1 3/4 | 9/32" | 9.4 | |
| 40HQ200 | Q1 | 6.366 | 6.312 | 4 13/16" | 6 9/16" | 40 | 11 | 2 25/32" | 2 9/32" | 2 1/2" | 7/32" | 0 | 4 1/8" | 3/4 | 1 3/4 | 9/32" | 12.5 | |
| 44HQ200 | Q1 | 7.003 | 6.949 | 5 5/8" | 7 1/4" | 44 | 11 | 2 25/32" | 2 9/32" | 2 1/2" | 7/32" | 0 | 4 1/8" | 3/4 | 1 3/4 | 9/32" | 15.3 | |
| 48HQ200 | Q1 | 7.639 | 7.585 | 6 3/8" | 7 7/8" | 48 | 11 | 2 25/32" | 2 9/32" | 2 1/2" | 7/32" | 0 | 4 1/8" | 3/4 | 1 3/4 | 9/32" | 18.8 | |
| 60HQ200 | Q1 | 9.549 | 9.495 | 8 11/16" | - | 60 | 14 | 3 1/16" | 2 9/32" | 2 1/2" | 31/64" | 17/64" | 4 1/8" | 3/4 | 1 3/4 | 9/32" | 16.3 | |
| 72HQ200 | Q1 | 11.459 | 11.405 | 10 9/16" | - | 72 | 14 | 3 1/16" | 2 9/32" | 2 1/2" | 31/64" | 17/64" | 4 1/8" | 3/4 | 1 3/4 | 9/32" | 20.3 | |
| 84HQ200 | Q1 | 13.369 | 13.315 | 12 1/2" | - | 84 | 14 | 3 1/16" | 2 9/32" | 2 1/2" | 31/64" | 17/64" | 4 1/8" | 3/4 | 1 3/4 | 9/32" | 24.0 | |
| 96HR200 | R1 | 15.279 | 15.225 | 14 3/8" | - | 96 | 14 | 3 19/64" | 2 9/32" | 2 7/8" | 47/64" | 9/64" | 5 3/8" | 7/8" | 2 | 9/32" | 32.8 | |
| 120HR200 | R1 | 19.099 | 19.045 | 18 3/16" | - | 120 | 14 | 3 19/64" | 2 9/32" | 2 7/8" | 47/64" | 9/64" | 5 3/8" | 7/8" | 2 | 9/32" | 38.3 | |
| 156HR200 | R1 | 24.828 | 24.774 | 23 15/16" | - | 156 | 14 | 3 13/32" | 2 1/2" | 2 7/8" | 5/8" | 1/4" | 5 3/8" | 7/8" | 2 | 9/32" | 51.0 | |

FOR H300 BELTS, 1/2" PITCH, 3" WIDE

| | | | | | | | | | | | | | | | | | |
|----------|----|--------|--------|-----------|---------|-----|----|----------|---------|--------|-------|--------|--------|------|--------|-------|------|
| 32HQ300 | Q1 | 5.093" | 5.039" | 4 1/4" | 5 5/16" | 32 | 11 | 3 19/32" | 3 5/16" | 2 1/2" | 0 | 13/16" | 4 1/8" | 3/4" | 1 3/4" | 9/32" | 8.4 |
| 36HQ300 | Q1 | 5.730 | 5.676 | 4 1/2 | 6 | 36 | 11 | 3 19/32" | 3 5/16" | 2 1/2" | 0 | 13/16" | 4 1/8" | 3/4 | 1 3/4 | 9/32" | 11.8 |
| 40HQ300 | Q1 | 6.366 | 6.312 | 4 13/16" | 6 9/16" | 40 | 11 | 3 19/32" | 3 5/16" | 2 1/2" | 0 | 13/16" | 4 1/8" | 3/4 | 1 3/4 | 9/32" | 15.9 |
| 44HQ300 | Q1 | 7.003 | 6.949 | 5 5/8" | 7 1/4" | 44 | 11 | 3 19/32" | 3 5/16" | 2 1/2" | 0 | 13/16" | 4 1/8" | 3/4 | 1 3/4 | 9/32" | 18.9 |
| 48HQ300 | Q1 | 7.639 | 7.585 | 6 3/8" | 7 7/8" | 48 | 11 | 3 19/32" | 3 5/16" | 2 1/2" | 0 | 13/16" | 4 1/8" | 3/4 | 1 3/4 | 9/32" | 21.4 |
| 60HQ300 | Q1 | 9.549 | 9.495 | 8 11/16" | - | 60 | 15 | 3 9/16" | 3 5/16" | 2 1/2" | 1/32" | 25/32" | 4 1/8" | 3/4 | 1 3/4 | 9/32" | 19.3 |
| 72HQ300 | Q1 | 11.459 | 11.405 | 10 9/16" | - | 72 | 15 | 3 9/16" | 3 5/16" | 2 1/2" | 1/32" | 25/32" | 4 1/8" | 3/4 | 1 3/4 | 9/32" | 23.5 |
| 84HQ300 | Q1 | 13.369 | 13.315 | 12 1/2" | - | 84 | 15 | 3 9/16" | 3 5/16" | 2 1/2" | 1/32" | 25/32" | 4 1/8" | 3/4 | 1 3/4 | 9/32" | 29.1 |
| 96HR300 | R1 | 15.279 | 15.225 | 14 3/8" | - | 96 | 14 | 3 13/16" | 3 5/16" | 2 7/8" | 7/32" | 21/32" | 5 3/8" | 7/8" | 2 | 9/32" | 38.0 |
| 120HR300 | R1 | 19.099 | 19.045 | 18 3/16" | - | 120 | 14 | 3 13/16" | 3 5/16" | 2 7/8" | 7/32" | 21/32" | 5 3/8" | 7/8" | 2 | 9/32" | 44.2 |
| 156HR300 | R1 | 24.828 | 24.774 | 23 15/16" | - | 156 | 14 | 3 29/32" | 3 1/2" | 2 7/8" | 1/8" | 3/4 | 5 3/8" | 7/8" | 2 | 9/32" | 59.0 |

BORE RANGE

TABLE No. 2

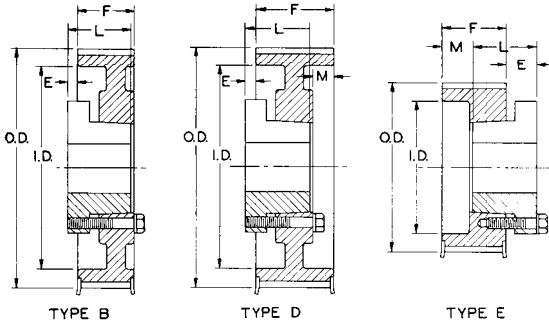
| BUSHING | BORE RANGE |
|---------|-----------------|
| P2 | 3/4" to 1 3/4" |
| Q1 | 3/4 to 2 11/16" |
| R1 | 1 1/8 to 3 3/4" |

STANDARD KEYSEATS

TABLE No. 2

| BORE RANGE | KEYSEATS |
|------------------|---------------|
| 3/4" to 7/8" | 3/16" x 3/32" |
| 15/16 to 1 1/4 | 1/4 x 1/8 |
| 1 5/16 & 1 3/8 | 5/16 x 5/32 |
| 1 7/16 to 1 3/4 | 3/8 x 3/16 |
| 1 13/16 to 2 1/4 | 1/2 x 1/4 |
| 2 5/16 to 2 3/4 | 5/8 x 5/16 |
| 2 13/16 to 3 1/4 | 3/4 x 3/8 |
| 3 3/8 to 3 3/4 | 7/8 x 7/16 |

1 3/4" Bore Bushings also available with 3/4" x 3/16" Keyseat.



STANDARD KEYSEATS

TABLE No. 1

| BORE RANGE | KEYSEAT | BORE RANGE | KEYSEAT |
|----------------|----------------|-------------------|--------------|
| 3/8" & 7/16" | None | 1 7/16" to 1 3/4" | 3/8" x 3/16" |
| 1/2 & 9/16 | 1 1/8" x 1/16" | 1 13/16 to 2 1/4 | 1/2 x 1/4 |
| 5/8 to 7/8 | 3/16 x 3/32 | 2 5/16 to 2 3/4 | 5/8 x 5/16 |
| 15/16 to 1 1/4 | 1/4 x 1/8 | 2 13/16 to 3 1/4 | 3/4 x 3/8 |
| 1 5/16 & 1 3/8 | 5/16 x 5/32 | 3 3/8 to 3 3/4 | 7/8 x 7/16 |

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

TABLE No. 1

SPECIFICATIONS - GEARBELT® PULLEYS WITH Q-D® BUSHINGS

| PART No. | BUSHING | BORE RANGE | TYPE | NUMBER OF GROOVES | DIAMETERS | | | | DIMENSIONS | | | WT. LESS BUSH. |
|---|---------|---------------|------|-------------------|-----------|----------|--------|---------|------------|---------|--------|----------------|
| | | | | | PITCH | FLANGE | O.D. | I.D. | E | L | M | |
| FOR H075 AND H100 BELTS, 1/2" PITCH, 3/4" AND 1" WIDE, F = 1 5/16" | | | | | | | | | | | | |
| 14H100JA | JA | 1/2" - 1 1/4" | E1F | 14 | 2.228" | 2 15/32" | 2.174" | - | 1/2" | 57/64" | 11/16" | .8 |
| 16H100JA | JA | 1/2 - 1 1/4 | E1F | 16 | 2.546 | 2 25/32 | 2.492 | 1 7/8 | 1/2 | 57/64 | 11/16 | 1.1 |
| 18H100SH | SH | 1/2 - 1 5/8 | E1F | 18 | 2.865 | 3 1/8 | 2.811 | 2 | 21/32 | 1 13/64 | 5/8 | 1.0 |
| 19H100SH | SH | 1/2 - 1 5/8 | E1F | 19 | 3.024 | 3 1/4 | 2.970 | 1 25/32 | 21/32 | 1 13/64 | 5/8 | 1.2 |
| 20H100SH | SH | 1/2 - 1 5/8 | E1F | 20 | 3.183 | 3 3/8 | 3.129 | 1 25/32 | 21/32 | 1 13/64 | 5/8 | 1.4 |
| 21H100SH | SH | 1/2 - 1 5/8 | E1F | 21 | 3.342 | 3 5/8 | 3.288 | 2 5/8 | 21/32 | 1 13/64 | 5/8 | 1.6 |
| 22H100SDS | SDS | 1/2 - 2 | E1F | 22 | 3.501 | 3 3/4 | 3.447 | 2 3/32 | 21/32 | 1 5/16 | 5/8 | 1.8 |
| 23H100SDS | SDS | 1/2 - 2 | E1F | 23 | 3.661 | 3 7/8 | 3.607 | 3 | 21/32 | 1 5/16 | 5/8 | 1.9 |
| 24H100SDS | SDS | 1/2 - 2 | E1F | 24 | 3.820 | 4 1/16 | 3.766 | 3 | 21/32 | 1 5/16 | 5/8 | 2.0 |
| 25H100SDS | SDS | 1/2 - 2 | E1F | 25 | 3.979 | 4 3/16 | 3.925 | 3 5/32 | 21/32 | 1 5/16 | 5/8 | 2.2 |
| 26H100SDS | SDS | 1/2 - 2 | D1F | 26 | 4.138 | 4 3/8 | 4.084 | 3 5/16 | 5/32 | 1 5/16 | 1/16 | 2.4 |
| 27H100SDS | SDS | 1/2 - 2 | D1F | 27 | 4.297 | 4 11/16 | 4.243 | 3 7/16 | 5/32 | 1 5/16 | 1/16 | 2.7 |
| 28H100SDS | SDS | 1/2 - 2 | D1F | 28 | 4.456 | 4 11/16 | 4.402 | 3 1/2 | 5/32 | 1 5/16 | 1/16 | 3.0 |
| 29H100SD | SD | 1/2 - 2 | B1F | 29 | 4.615 | 5 | 4.561 | 3 5/8 | 21/32 | 1 13/16 | - | 3.6 |
| 30H100SD | SD | 1/2 - 2 | B1F | 30 | 4.775 | 5 | 4.721 | 3 3/4 | 21/32 | 1 13/16 | - | 4.2 |
| 31H100SD | SD | 1/2 - 2 | B1F | 31 | 4.934 | 5 5/16 | 4.880 | 3 15/16 | 21/32 | 1 13/16 | - | 4.4 |
| 32H100SK | SK | 1/2 - 2 5/8 | B1F | 32 | 5.093 | 5 5/16 | 5.039 | 4 1/8 | 25/32 | 1 3/4 | - | 4.6 |
| 33H100SK | SK | 1/2 - 2 5/8 | B1F | 33 | 5.252 | 5 1/2 | 5.198 | 4 5/16 | 25/32 | 1 3/4 | - | 5.0 |
| 34H100SK | SK | 1/2 - 2 5/8 | B1F | 34 | 5.411 | 5 5/8 | 5.357 | 4 7/16 | 25/32 | 1 3/4 | - | 5.4 |
| 35H100SK | SK | 1/2 - 2 5/8 | B1F | 35 | 5.570 | 6 | 5.516 | 4 1/2 | 25/32 | 1 3/4 | - | 5.8 |
| 36H100SK | SK | 1/2 - 2 5/8 | B1F | 36 | 5.730 | 6 | 5.676 | 4 5/8 | 25/32 | 1 3/4 | - | 6.3 |
| 37H100SK | SK | 1/2 - 2 5/8 | B1F | 37 | 5.889 | 6 1/8 | 5.835 | 4 15/16 | 25/32 | 1 3/4 | - | 6.8 |
| 38H100SK | SK | 1/2 - 2 5/8 | B1F | 38 | 6.048 | 6 1/4 | 5.994 | 5 1/16 | 25/32 | 1 3/4 | - | 7.3 |
| 39H100SK | SK | 1/2 - 2 5/8 | B1F | 39 | 6.207 | 6 3/16 | 6.153 | 5 1/4 | 25/32 | 1 3/4 | - | 7.8 |
| 40H100SK | SK | 1/2 - 2 5/8 | B1F | 40 | 6.366 | 6 3/16 | 6.312 | 5 3/8 | 25/32 | 1 3/4 | - | 8.2 |
| 41H100SK | SK | 1/2 - 2 5/8 | B1F | 41 | 6.525 | 6 3/4 | 6.471 | 5 9/16 | 25/32 | 1 3/4 | - | 8.6 |
| 42H100SK | SK | 1/2 - 2 5/8 | B1F | 42 | 6.684 | 6 7/8 | 6.630 | 5 11/16 | 25/32 | 1 3/4 | - | 9.1 |
| 43H100SK | SK | 1/2 - 2 5/8 | B1F | 43 | 6.844 | 7 1/8 | 6.790 | 5 3/4 | 25/32 | 1 3/4 | - | 9.6 |
| 44H100SK | SK | 1/2 - 2 5/8 | B1F | 44 | 7.003 | 7 1/4 | 6.949 | 5 7/8 | 25/32 | 1 3/4 | - | 10.0 |
| 45H100SK | SK | 1/2 - 2 5/8 | B1F | 45 | 7.162 | 7 3/8 | 7.108 | 6 1/8 | 25/32 | 1 3/4 | - | 10.5 |
| 48H100SK | SK | 1/2 - 2 5/8 | B2F | 48 | 7.639 | 7 7/8 | 7.585 | 6 1/2 | 25/32 | 1 3/4 | - | 12.5 |
| 60H100SF | SF | 1/2 - 2 15/16 | B3 | 60 | 9.549 | - | 9.495 | 8 1/2 | 27/32 | 2 | - | 11.0 |
| 72H100SF | SF | 1/2 - 2 15/16 | B3 | 72 | 11.459 | - | 11.405 | 10 3/8 | 27/32 | 2 | - | 14.0 |
| 84H100SF | SF | 1/2 - 2 15/16 | B3 | 84 | 13.369 | - | 13.315 | 12 1/4 | 27/32 | 2 | - | 20.0 |
| 96H100SF | SF | 1/2 - 2 15/16 | B3 | 96 | 15.279 | - | 15.225 | 14 1/8 | 27/32 | 2 | - | 27.0 |
| 120H100SF | SF | 1/2 - 2 15/16 | B3 | 120 | 19.099 | - | 19.055 | 17 7/8 | 27/32 | 2 | - | 38.0 |
| 156H100SF | SF | 1/2 - 2 15/16 | B3 | 156 | 24.828 | - | 24.774 | 23 1/2 | 27/32 | 2 | - | 49.0 |

FOR H150 BELTS, 1/2" PITCH, 1 1/2" WIDE, F = 1 13/16"

| | | | | | | | | | | | | |
|-----------|----|---------------|-----|-----|--------|----------|--------|---------|-------|---------|---------|------|
| 14H150JA | JA | 1/2" - 1 1/4" | E1F | 14 | 2.228" | 2 15/32" | 2.174" | - | 1/2" | 57/64" | 1 3/16" | 1.0 |
| 16H150JA | JA | 1/2 - 1 1/4 | E1F | 16 | 2.546 | 2 25/32 | 2.492 | 1 7/8" | 1/2 | 57/64 | 1 3/16 | 1.5 |
| 18H150SH | SH | 1/2 - 1 5/8 | E1F | 18 | 2.865 | 3 1/8 | 2.811 | 2 | 21/32 | 1 13/64 | 1 1/8 | 1.7 |
| 20H150SH | SH | 1/2 - 1 5/8 | E1F | 20 | 3.183 | 3 5/8 | 3.129 | 1 25/32 | 21/32 | 1 13/64 | 1 1/8 | 2.3 |
| 22H150SD | SD | 1/2 - 2 | E1F | 22 | 3.501 | 3 3/4 | 3.447 | 2 1/8 | 21/32 | 1 13/16 | 9/16 | 2.7 |
| 24H150SD | SD | 1/2 - 2 | E1F | 24 | 3.820 | 4 1/16 | 3.766 | 3 | 21/32 | 1 13/16 | 9/16 | 3.1 |
| 26H150SD | SD | 1/2 - 2 | D1F | 26 | 4.138 | 4 3/8 | 4.084 | 3 5/16 | 5/32 | 1 13/16 | 1/16 | 3.4 |
| 28H150SD | SD | 1/2 - 2 | D1F | 28 | 4.456 | 4 11/16 | 4.402 | 3 1/2 | 5/32 | 1 13/16 | 1/16 | 4.0 |
| 30H150SD | SD | 1/2 - 2 | B1F | 30 | 4.775 | 5 | 4.721 | 3 3/4 | 3/32 | 1 13/16 | - | 5.3 |
| 32H150SK | SK | 1/2 - 2 5/8 | B1F | 32 | 5.093 | 5 5/16 | 5.039 | 4 1/8 | 7/32 | 1 3/4 | - | 5.0 |
| 36H150SK | SK | 1/2 - 2 5/8 | B1F | 36 | 5.730 | 6 | 5.676 | 4 5/8 | 7/32 | 1 3/4 | - | 7.0 |
| 40H150SK | SK | 1/2 - 2 5/8 | B1F | 40 | 6.366 | 6 3/16 | 6.312 | 5 3/8 | 7/32 | 1 3/4 | - | 9.0 |
| 44H150SK | SK | 1/2 - 2 5/8 | B1F | 44 | 7.003 | 7 1/4 | 6.949 | 5 7/8 | 7/32 | 1 3/4 | - | 11.0 |
| 48H150SK | SK | 1/2 - 2 5/8 | B2F | 48 | 7.639 | 7 7/8 | 7.585 | 6 1/2 | 7/32 | 1 3/4 | - | 14.0 |
| 60H150SF | SF | 1/2 - 2 15/16 | D3 | 60 | 9.549 | - | 9.495 | 8 1/2 | 9/16 | 2 | 9/32 | 13.0 |
| 72H150SF | SF | 1/2 - 2 15/16 | D3 | 72 | 11.459 | - | 11.405 | 10 3/8 | 9/16 | 2 | 9/32 | 17.0 |
| 84H150SF | SF | 1/2 - 2 15/16 | D3 | 84 | 13.369 | - | 13.315 | 12 1/4 | 9/16 | 2 | 9/32 | 22.5 |
| 96H150SF | SF | 1/2 - 2 15/16 | D3 | 96 | 15.279 | - | 15.225 | 14 1/8 | 9/16 | 2 | 9/32 | 31.0 |
| 120H150SF | SF | 1/2 - 2 15/16 | D3 | 120 | 19.099 | - | 19.045 | 17 7/8 | 9/16 | 2 | 9/32 | 45.0 |
| 156H150SF | SF | 1/2 - 2 15/16 | D3 | 156 | 24.828 | - | 24.774 | 23 1/2 | 9/16 | 2 | 9/32 | 54.5 |

NOTE - Numerals in Type Designations mean: 1 = Solid, 2 = Web, and 3 = Arm Construction; F = Flanged Pulley.

TABLE No. 2

SPECIFICATIONS - GEARBELT® PULLEYS WITH Q-D® BUSHINGS

| PART No. | BUSHING | BORE RANGE | TYPE | NUMBER OF GROOVES | DIAMETERS | | | | DIMENSIONS | | | WT. LESS BUSH. |
|---|---------|---------------|------|-------------------|-----------|----------|--------|---------|------------|---------|----------|----------------|
| | | | | | PITCH | FLANGE | O.D. | I.D. | E | L | M | |
| FOR H200 BELTS, 1/2" PITCH, 2" WIDE, F= 2 11/32" | | | | | | | | | | | | |
| 14H200JA | JA | 1/2" - 1 1/4" | E1F | 14 | 2.228" | 2 15/32" | 2.174" | - | 1/2" | 57/64" | 1 23/32" | 1.6 |
| 16H200JA | JA | 1/2 - 1 1/4 | E1F | 16 | 2.546 | 2 25/32 | 2.492 | 1 7/8" | 1/2 | 57/64 | 1 23/32 | 1.9 |
| 18H200SH | SH | 1/2 - 1 5/8 | E1F | 18 | 2.865 | 3 1/8 | 2.811 | 2 | 21/32 | 1 13/64 | 1 21/32 | 2.3 |
| 20H200SH | SH | 1/2 - 1 5/8 | E1F | 20 | 3.183 | 3 3/8 | 3.129 | 1 25/32 | 21/32 | 1 13/64 | 1 21/32 | 2.7 |
| 22H200SD | SD | 1/2 - 2 | E1F | 22 | 3.501 | 3 3/4 | 3.447 | 2 1/8 | 21/32 | 1 13/16 | 1 3/32 | 3.0 |
| 24H200SD | SD | 1/2 - 2 | E1F | 24 | 3.820 | 4 1/16 | 3.766 | 3 | 21/32 | 1 13/16 | 1 3/32 | 3.4 |
| 26H200SD | SD | 1/2 - 2 | D1F | 26 | 4.138 | 4 3/8 | 4.138 | 3 5/16 | 1/32 | 1 13/16 | 9/16 | 3.8 |
| 28H200SD | SD | 1/2 - 2 | D1F | 28 | 4.456 | 4 11/16 | 4.402 | 3 1/2 | 1/32 | 1 13/16 | 9/16 | 5.3 |
| 30H200SD | SD | 1/2 - 2 | D1F | 30 | 4.775 | 5 | 4.721 | 3 3/4 | 3/32 | 1 13/16 | 5/8 | 6.2 |
| 32H200SK | SK | 1/2 - 2 5/8 | D1F | 32 | 5.093 | 5 5/16 | 5.039 | 4 1/8 | 3/32 | 1 3/4 | 1/2 | 6.9 |
| 36H200SK | SK | 1/2 - 2 5/8 | D1F | 36 | 5.730 | 6 | 5.676 | 4 5/8 | 3/32 | 1 3/4 | 1/2 | 8.0 |
| 40H200SK | SK | 1/2 - 2 5/8 | D1F | 40 | 6.366 | 6 9/16 | 6.312 | 5 3/8 | 3/32 | 1 3/4 | 1/2 | 10.3 |
| 44H200SK | SK | 1/2 - 2 5/8 | D1F | 44 | 7.003 | 7 1/4 | 6.949 | 5 7/8 | 3/32 | 1 3/4 | 1/2 | 12.5 |
| 48H200SF | SF | 1/2 - 2 15/16 | D1F | 48 | 7.639 | 7 7/8 | 7.585 | 6 1/2 | 9/32 | 2 | 15/32 | 15.0 |
| 60H200SF | SF | 1/2 - 2 15/16 | D1 | 60 | 9.549 | - | 9.495 | 8 1/2 | 9/32 | 2 | 15/32 | 16.0 |
| 72H200SF | SF | 1/2 - 2 15/16 | D1 | 72 | 11.459 | - | 11.405 | 10 3/8 | 9/32 | 2 | 15/32 | 21.0 |
| 84H200SF | SF | 1/2 - 2 15/16 | D1 | 84 | 13.369 | - | 13.315 | 12 1/4 | 9/32 | 2 | 15/32 | 23.0 |
| 96H200E | E | 7/8 - 3 1/2 | D1 | 96 | 15.279 | - | 15.225 | 14 1/8 | 25/32 | 2 3/4 | 11/32 | 34.0 |
| 120H200E | E | 7/8 - 3 1/2 | D1 | 120 | 19.099 | - | 19.045 | 17 7/8 | 25/32 | 2 3/4 | 11/32 | 42.0 |
| 156H200E | E | 7/8 - 3 1/2 | D1 | 156 | 24.828 | - | 24.774 | 23 1/2 | 25/32 | 2 3/4 | 11/32 | 60.0 |

FOR H300 BELTS, 1/2" PITCH, 3" WIDE, F= 3 3/8"

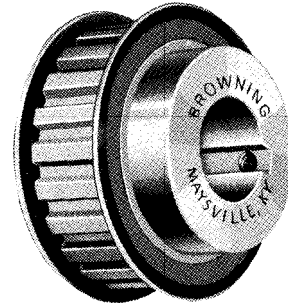
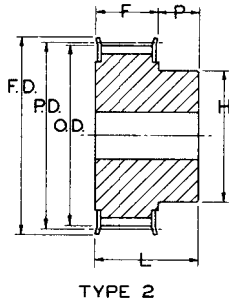
| | | | | | | | | | | | | |
|----------|----|---------------|-----|-----|--------|---------|--------|--------|--------|----------|---------|------|
| 22H300SD | SD | 1/2" - 2" | E1F | 22 | 3.501" | 3 3/4" | 3.447" | 2 1/8" | 21/32" | 1 13/16" | 2 7/32" | 4.2 |
| 24H300SD | SD | 1/2 - 2 | E1F | 24 | 3.820 | 4 1/16 | 3.766 | 3 | 21/32 | 1 13/16 | 2 7/32 | 4.8 |
| 26H300SD | SD | 1/2 - 2 | D1F | 26 | 4.138 | 4 3/8 | 4.084 | 3 5/16 | 1/32 | 1 13/16 | 1 1/2 | 5.6 |
| 28H300SD | SD | 1/2 - 2 | D1F | 28 | 4.456 | 4 11/16 | 4.402 | 3 1/2 | 1/32 | 1 13/16 | 1 1/2 | 7.0 |
| 30H300SD | SD | 1/2 - 2 | A1F | 30 | 4.775 | 5 | 4.721 | 3 3/4 | 13/32 | 1 13/16 | 1 1/16 | 7.7 |
| 32H300SK | SK | 1/2 - 2 5/8 | A1F | 32 | 5.093 | 5 5/16 | 5.039 | 4 1/8 | 9/32 | 1 3/4 | 1 1/16 | 7.8 |
| 36H300SK | SK | 1/2 - 2 5/8 | A1F | 36 | 5.730 | 6 | 5.676 | 4 5/8 | 9/32 | 1 3/4 | 1 1/16 | 10.0 |
| 40H300SK | SK | 1/2 - 2 5/8 | A1F | 40 | 6.366 | 6 9/16 | 6.312 | 5 3/8 | 9/32 | 1 3/4 | 1 1/16 | 12.5 |
| 44H300SK | SK | 1/2 - 2 5/8 | A1F | 44 | 7.003 | 7 1/4 | 6.949 | 5 7/8 | 9/32 | 1 3/4 | 1 1/16 | 15.5 |
| 48H300SF | SF | 1/2 - 2 15/16 | A1F | 48 | 7.639 | 7 7/8 | 7.585 | 6 1/2 | 5/32 | 2 | 1 1/16 | 17.0 |
| 60H300SF | SF | 1/2 - 2 15/16 | A1 | 60 | 9.549 | - | 9.495 | 8 1/2 | 5/32 | 2 | 1 1/16 | 18.0 |
| 72H300SF | SF | 1/2 - 2 15/16 | A1 | 72 | 11.459 | - | 11.405 | 10 3/8 | 5/32 | 2 | 1 1/16 | 23.0 |
| 84H300SF | SF | 1/2 - 2 15/16 | A1 | 84 | 13.369 | - | 13.315 | 12 1/4 | 5/32 | 2 | 1 1/16 | 30.0 |
| 95H300E | E | 7/8 - 3 1/2 | D1 | 96 | 15.279 | - | 15.225 | 14 1/8 | 9/32 | 2 3/4 | 7/8 | 38.0 |
| 120H300E | E | 7/8 - 3 1/2 | D1 | 120 | 19.099 | - | 19.045 | 17 7/8 | 9/32 | 2 3/4 | 7/8 | 51.0 |
| 156H300E | E | 7/8 - 3 1/2 | D1 | 156 | 24.828 | - | 24.774 | 23 1/2 | 9/32 | 2 3/4 | 7/8 | 69.0 |

Note - Numerals in Type Designations mean: 1 = Solid, 2 = Web, and 3 = Arm Construction.

STOCK "H", 1/2" PITCH GEARBELTS

TABLE No. 1

| PITCH LENGTH | No. TEETH | 3/4" WIDE | | 1" WIDE | | 1 1/2" WIDE | | 2" WIDE | | 3" WIDE | |
|--------------|-----------|-----------|----------|----------|----------|-------------|----------|----------|----------|----------|----------|
| | | PART No. | WT. Lbs. | PART No. | WT. Lbs. | PART No. | WT. Lbs. | PART No. | WT. Lbs. | PART No. | WT. Lbs. |
| 24.0" | 48 | 240H075 | .19 | 240H100 | .25 | 240H150 | .31 | 240H200 | .38 | 240H300 | .8 |
| 27.0" | 54 | 270H075 | .19 | 270H100 | .25 | 270H150 | .31 | 270H200 | .44 | 270H300 | .8 |
| 30.0" | 60 | 300H075 | .25 | 300H100 | .25 | 300H150 | .37 | 300H200 | .56 | 300H300 | .8 |
| 33.0" | 66 | 330H075 | .25 | 330H100 | .31 | 330H150 | .44 | 330H200 | .56 | 330H300 | .9 |
| 36.0" | 72 | 360H075 | .25 | 360H100 | .31 | 360H150 | .44 | 360H200 | .63 | 360H300 | .9 |
| 39.0" | 78 | 390H075 | .25 | 390H100 | .31 | 390H150 | .38 | 390H200 | .63 | 390H300 | .9 |
| 42.0" | 84 | 420H075 | .25 | 420H100 | .31 | 420H150 | .50 | 420H200 | .69 | 420H300 | 1.0 |
| 45.0" | 90 | 450H075 | .31 | 450H100 | .31 | 450H150 | .50 | 450H200 | .75 | 450H300 | 1.1 |
| 48.0" | 96 | 480H075 | .31 | 480H100 | .38 | 480H150 | .56 | 480H200 | .75 | 480H300 | 1.1 |
| 51.0" | 102 | 510H075 | .38 | 510H100 | .38 | 510H150 | .63 | 510H200 | .81 | 510H300 | 1.2 |
| 54.0" | 108 | 540H075 | .38 | 540H100 | .44 | 540H150 | .69 | 540H200 | .81 | 540H300 | 1.3 |
| 57.0" | 114 | 570H075 | .38 | 570H100 | .50 | 570H150 | .69 | 570H200 | 1.0 | 570H300 | 1.3 |
| 60.0" | 120 | 600H075 | .38 | 600H100 | .44 | 600H150 | .69 | 600H200 | .9 | 600H300 | 1.3 |
| 63.0" | 126 | 630H075 | .38 | 630H100 | .50 | 630H150 | .69 | 630H200 | .9 | 630H300 | 1.4 |
| 66.0" | 132 | 660H075 | .50 | 660H100 | .50 | 660H150 | .69 | 660H200 | 1.0 | 660H300 | 1.4 |
| 70.0" | 140 | 700H075 | .44 | 700H100 | .56 | 700H150 | .88 | 700H200 | 1.1 | 700H300 | 1.6 |
| 75.0" | 150 | 750H075 | .50 | 750H100 | .63 | 750H150 | .81 | 750H200 | 1.2 | 750H300 | 1.7 |
| 80.0" | 160 | 800H075 | .56 | 800H100 | .69 | 800H150 | .88 | 800H200 | 1.3 | 800H300 | 1.8 |
| 85.0" | 170 | 850H075 | .63 | 850H100 | .75 | 850H150 | 1.1 | 850H200 | 1.3 | 850H300 | 1.9 |
| 90.0" | 180 | 900H075 | .63 | 900H100 | .75 | 900H150 | 1.1 | 900H200 | 1.4 | 900H300 | 1.9 |
| 100.0" | 200 | 1000H075 | .69 | 1000H100 | .75 | 1000H150 | 1.1 | 1000H200 | 1.5 | 1000H300 | 2.1 |
| 110.0" | 220 | 1100H075 | .69 | 1100H100 | .94 | 1100H150 | 1.2 | 1100H200 | 1.6 | 1100H300 | 2.3 |
| 125.0" | 250 | 1250H075 | .75 | 1250H100 | 1.2 | 1250H150 | 1.4 | 1250H200 | 1.9 | 1250H300 | 2.9 |
| 140.0" | 280 | 1400H075 | .88 | 1400H100 | 1.2 | 1400H150 | 1.7 | 1400H200 | 2.1 | 1400H300 | 3.1 |
| 170.0" | 340 | 1700H075 | 1.1 | 1700H100 | 1.6 | 1700H150 | 2.2 | 1700H200 | 2.5 | 1700H300 | 3.7 |



SPECIFICATIONS-STOCK MINIMUM BORE GEARBELT® PULLEYS

TABLE No. 1

| PART NUMBER | DIAMETERS | | | NUMBER OF GROOVES | TYPE | BORE | | DIMENSIONS | | | | | WT. Lbs. |
|---|-----------|---------|----------|-------------------|------|-------|--------|------------|----------|--------|---|----------|----------|
| | PITCH | OUTSIDE | FLANGE | | | STOCK | MAX.* | F | L | P | C | H | |
| FOR XH200 BELTS, 7/8" PITCH, 2" WIDE | | | | | | | | | | | | | |
| 18XHB200 | 5.013" | 4.903" | 5 9/16" | 18 | 2 | 1" | 2 1/4" | 2 9/16" | 3 7/16" | 7/8" | - | 3 11/16" | 14.4 |
| 20XHB200 | 5.570 | 5.460 | 6 1/8" | 20 | 2 | 1 | 2 5/8" | 2 9/16" | 3 9/16" | 1 | - | 4 1/8" | 18.6 |
| FOR XH300 BELTS, 7/8" PITCH, 3" WIDE | | | | | | | | | | | | | |
| 18XHB300 | 5.013" | 4.903" | 5 9/16" | 18 | 2 | 1" | 2 1/4" | 3 5/8" | 4 1/2" | 7/8" | - | 3 11/16" | 19.4 |
| 20XHB300 | 5.570 | 5.460 | 6 1/8" | 20 | 2 | 1 | 2 5/8" | 3 5/8" | 4 5/8" | 1 | - | 4 1/8" | 25.2 |
| FOR XH400 BELTS, 7/8" PITCH, 4" WIDE | | | | | | | | | | | | | |
| 18XHB400 | 5.013" | 4.903" | 5 9/16" | 18 | 2 | 1" | 2 1/4" | 4 11/16" | 5 9/16" | 7/8" | - | 3 11/16" | 23.9 |
| 20XHB400 | 5.570 | 5.460 | 6 1/8" | 20 | 2 | 1 | 2 5/8" | 4 11/16" | 5 11/16" | 1 | - | 4 1/8" | 31.8 |
| 22XHB400 | 6.127 | 6.017 | 6 11/16" | 22 | 2 | 1 | 3 1/8" | 4 11/16" | 5 15/16" | 1 1/4" | - | 4 3/4" | 40.8 |
| 24XHB400 | 6.685 | 6.575 | 7 1/4" | 24 | 2 | 1 | 3 1/2" | 4 11/16" | 5 15/16" | 1 1/4" | - | 5 1/4" | 49.0 |
| 26XHB400 | 7.241 | 7.131 | 7 3/4" | 26 | 2 | 1 | 3 3/4" | 4 11/16" | 5 15/16" | 1 1/4" | - | 5 3/4" | 60.8 |

Browning® Stock Minimum Bore Pulleys for "XH" Gearbelt belts are furnished without keyseats or setscrews. They can be bored to size and furnished with keyseats and setscrews at a reasonable extra price.

*Maximum Bores shown will accommodate Standard Keyseats and Setscrews over Keyseat. Slightly Larger Bores are possible without Ks., Shallow Ks. or Setcrew at angle to Ks.

STOCK "XH", 7/8" PITCH GEARBELT® BELTS

TABLE No. 2

| PITCH LENGTH | No. TEETH | 2" WIDE | | 3" WIDE | | 4" WIDE | |
|--------------|-----------|-----------|----------|-----------|----------|-----------|----------|
| | | PART No. | WT. Lbs. | PART No. | WT. Lbs. | PART No. | WT. Lbs. |
| 50.75" | 58 | 507XH200 | 1.9 | 507XH300 | 2.4 | 507XH400 | 3.5 |
| 56.00 | 64 | 560XH200 | 2.0 | 560XH300 | 2.9 | 560XH400 | 3.6 |
| 63.00 | 72 | 630XH200 | 2.1 | 630XH300 | 2.9 | 630XH400 | 4.1 |
| 70.00 | 80 | 700XH200 | 2.2 | 700XH300 | 3.5 | 700XH400 | 4.6 |
| 77.00 | 88 | 770XH200 | 2.4 | 770XH300 | 3.6 | 770XH400 | 5.8 |
| 84.00 | 96 | 840XH200 | 3.2 | 840XH300 | 3.9 | 840XH400 | 5.3 |
| 98.00 | 112 | 980XH200 | 3.3 | 980XH300 | 4.5 | 980XH400 | 6.0 |
| 112.00 | 128 | 1120XH200 | 3.6 | 1120XH300 | 5.5 | 1120XH400 | 7.6 |
| 126.00 | 144 | 1260XH200 | 4.3 | 1260XH300 | 6.3 | 1260XH400 | 10.5 |
| 140.00 | 160 | 1400XH200 | 4.9 | 1400XH300 | 7.3 | 1400XH400 | 10.0 |
| 154.00 | 176 | 1540XH200 | 5.2 | 1540XH300 | 7.5 | 1540XH400 | 10.1 |
| 175.00 | 200 | 1750XH200 | 5.6 | 1750XH300 | 8.5 | 1750XH400 | 12.0 |

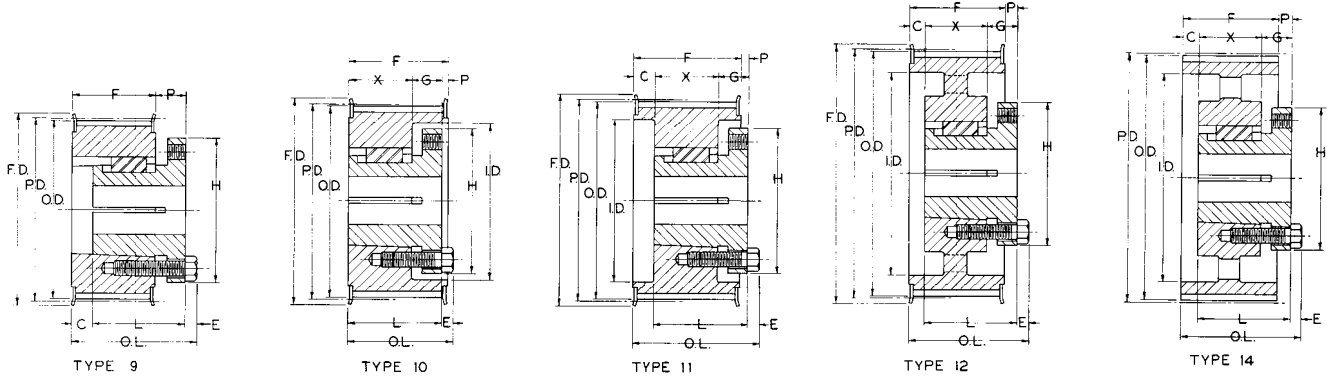


TABLE No. 1 SPECIFICATIONS - STOCK GEARBELT® PULLEYS WITH BROWNING SPLIT TAPER® BUSHINGS

| PART NUMBER | | DIAMETERS | | | | NUMBER OF GROOVES | TYPE | DIMENSIONS | | | | | | | | | | WT. Lbs. LESS BUSH. |
|---|---------|-----------|---------|-----------|-----------|-------------------|------|------------|----------|--------|--------|---------|--------|---------|---------|-------|------|---------------------|
| PULLEY | BUSHING | PITCH | OUTSIDE | INSIDE | FLANGE | | | O.L. | F | L | P | C | H | G | X | E | | |
| FOR XH200 BELTS, 7/8" PITCH, 2" WIDE | | | | | | | | | | | | | | | | | | |
| 18XH200 | Q1 | 5.013" | 4.903" | - | 5 9/16" | 18 | 9 | 3 19/32" | 2 9/16" | 2 1/2" | 3/4" | 13/16" | 4 1/8" | - | 1 3/4" | 9/32" | 9.8 | |
| 20XH200 | Q1 | 5.570 | 5.460 | 4 1/4" | 6 1/8" | 20 | 10 | 2 25/32" | 2 9/16" | 2 1/2" | 1/16" | - | 4 1/8" | 3/4" | 1 3/4" | 9/32" | 11.4 | |
| 22XH200 | Q1 | 6.127 | 6.017 | 4 3/8" | 6 11/16" | 22 | 10 | 2 25/32" | 2 9/16" | 2 1/2" | 1/16" | - | 4 1/8" | 3/4" | 1 3/4" | 9/32" | 12.5 | |
| 24XH200 | Q1 | 6.685 | 6.575 | 4 15/16" | 7 1/4" | 24 | 10 | 2 25/32" | 2 9/16" | 2 1/2" | 1/16" | - | 4 1/8" | 3/4" | 1 3/4" | 9/32" | 15.1 | |
| 26XH200 | Q1 | 7.241 | 7.131 | 5 1/2" | 7 3/4" | 26 | 10 | 2 25/32" | 2 9/16" | 2 1/2" | 1/16" | - | 4 1/8" | 3/4" | 1 3/4" | 9/32" | 18.5 | |
| 28XHR200 | R1 | 7.799 | 7.689 | 5 15/16" | 8 3/8" | 28 | 11 | 3 5/32" | 2 9/16" | 2 7/8" | 5/16" | 0 | 5 3/8" | 7/8" | 2 | 9/32" | 18.8 | |
| 30XHR200 | R1 | 8.356 | 8.246 | 6 1/2" | 8 7/8" | 30 | 11 | 3 5/32" | 2 9/16" | 2 7/8" | 5/16" | 0 | 5 3/8" | 7/8" | 2 | 9/32" | 22.5 | |
| 32XHR200 | R1 | 8.913 | 8.803 | 7 | 9 7/16" | 32 | 11 | 3 5/32" | 2 9/16" | 2 7/8" | 5/16" | 0 | 5 3/8" | 7/8" | 2 | 9/32" | 26.1 | |
| 36XHR200 | R1 | 10.027 | 9.917 | 8 1/16" | 10 9/16" | 36 | 11 | 3 5/32" | 2 9/16" | 2 7/8" | 5/16" | 0 | 5 3/8" | 7/8" | 2 | 9/32" | 36.0 | |
| 40XHR200 | R1 | 11.141 | 11.031 | 9 1/4" | 11 11/16" | 40 | 12 | 3 5/32" | 2 9/16" | 2 7/8" | 5/16" | 0 | 5 3/8" | 7/8" | 2 | 9/32" | 33.3 | |
| 48XHR200 | R1 | 13.369 | 13.259 | 12 | - | 48 | 14 | 3 7/16" | 2 9/16" | 2 7/8" | 19/32" | 9/32" | 5 3/8" | 7/8" | 2 | 9/32" | 29.8 | |
| 60XHR200 | R1 | 16.711 | 16.601 | 15 5/16" | - | 60 | 14 | 3 7/16" | 2 9/16" | 2 7/8" | 19/32" | 9/32" | 5 3/8" | 7/8" | 2 | 9/32" | 40.0 | |
| 72XHR200 | R1 | 20.054 | 19.944 | 18 11/16" | - | 72 | 14 | 3 7/16" | 2 9/16" | 2 7/8" | 19/32" | 9/32" | 5 3/8" | 7/8" | 2 | 9/32" | 47.5 | |
| 84XHR200 | R1 | 23.396 | 23.286 | 22 | - | 84 | 14 | 3 7/16" | 2 9/16" | 2 7/8" | 19/32" | 9/32" | 5 3/8" | 7/8" | 2 | 9/32" | 54.5 | |
| 96XHR200 | R1 | 26.738 | 26.628 | 25 3/8" | - | 96 | 14 | 3 7/16" | 2 9/16" | 2 7/8" | 19/32" | 9/32" | 5 3/8" | 7/8" | 2 | 9/32" | 62.0 | |
| 120XHR200 | R1 | 33.423 | 33.313 | 32 | - | 120 | 14 | 3 7/16" | 2 9/16" | 2 7/8" | 19/32" | 9/32" | 5 3/8" | 7/8" | 2 | 9/32" | 78.5 | |
| FOR XH300 BELTS, 7/8" PITCH, 3" WIDE | | | | | | | | | | | | | | | | | | |
| 18XH300 | Q2 | 5.013" | 4.903" | - | 5 9/16" | 18 | 9 | 4 21/32" | 3 5/8" | 3 1/2" | 3/4" | 7/8" | 4 1/8" | - | 2 3/4" | 9/32" | 11.5 | |
| 20XH300 | Q2 | 5.570 | 5.460 | 4 1/4" | 6 1/8" | 20 | 10 | 3 25/32" | 3 5/8" | 3 1/2" | 1/8" | - | 4 1/8" | 3/4" | 2 3/4" | 9/32" | 15.8 | |
| 22XH300 | Q2 | 6.127 | 6.017 | 4 3/8" | 6 11/16" | 22 | 10 | 3 25/32" | 3 5/8" | 3 1/2" | 1/8" | - | 4 1/8" | 3/4" | 2 3/4" | 9/32" | 18.1 | |
| 24XH300 | Q2 | 6.685 | 6.575 | 4 15/16" | 7 1/4" | 24 | 10 | 3 25/32" | 3 5/8" | 3 1/2" | 1/8" | - | 4 1/8" | 3/4" | 2 3/4" | 9/32" | 22.6 | |
| 26XH300 | Q2 | 7.241 | 7.131 | 5 1/2" | 7 3/4" | 26 | 10 | 3 25/32" | 3 5/8" | 3 1/2" | 1/8" | - | 4 1/8" | 3/4" | 2 3/4" | 9/32" | 27.8 | |
| 28XHR300 | R1 | 7.799 | 7.689 | 5 15/16" | 8 3/8" | 28 | 11 | 3 29/32" | 3 5/8" | 2 7/8" | 0 | 3/4" | 5 3/8" | 7/8" | 2 | 9/32" | 23.0 | |
| 30XHR300 | R1 | 8.356 | 8.246 | 6 1/2" | 8 7/8" | 30 | 11 | 3 29/32" | 3 5/8" | 2 7/8" | 0 | 3/4" | 5 3/8" | 7/8" | 2 | 9/32" | 27.0 | |
| 32XHR300 | R1 | 8.913 | 8.803 | 7 | 9 7/16" | 32 | 11 | 3 29/32" | 3 5/8" | 2 7/8" | 0 | 3/4" | 5 3/8" | 7/8" | 2 | 9/32" | 31.6 | |
| 36XHR300 | R1 | 10.027 | 9.917 | 8 1/16" | 10 9/16" | 36 | 11 | 3 29/32" | 3 5/8" | 2 7/8" | 0 | 3/4" | 5 3/8" | 7/8" | 2 | 9/32" | 41.6 | |
| 40XHR300 | R1 | 11.141 | 11.031 | 9 1/4" | 11 11/16" | 40 | 12 | 3 29/32" | 3 5/8" | 2 7/8" | 0 | 3/4" | 5 3/8" | 7/8" | 2 | 9/32" | 40.7 | |
| 48XHS300 | S1 | 13.369 | 13.259 | 12 | - | 48 | 14 | 4 29/32" | 3 5/8" | 4 3/8" | 29/32" | 5/32" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 58.0 | |
| 60XHS300 | S1 | 16.711 | 16.601 | 15 5/16" | - | 60 | 14 | 4 29/32" | 3 5/8" | 4 3/8" | 29/32" | 5/32" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 68.0 | |
| 72XHS300 | S1 | 20.054 | 19.944 | 18 11/16" | - | 72 | 14 | 4 29/32" | 3 5/8" | 4 3/8" | 29/32" | 5/32" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 77.0 | |
| 84XHS300 | S1 | 23.396 | 23.286 | 22 | - | 84 | 14 | 4 29/32" | 3 5/8" | 4 3/8" | 29/32" | 5/32" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 89.0 | |
| 96XHS300 | S1 | 26.738 | 26.628 | 25 3/8" | - | 96 | 14 | 4 29/32" | 3 5/8" | 4 3/8" | 29/32" | 5/32" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 100 | |
| 120XHS300 | S1 | 33.423 | 33.313 | 32 | - | 120 | 14 | 4 29/32" | 3 5/8" | 4 3/8" | 29/32" | 5/32" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 128 | |
| FOR XH400 BELTS, 7/8" PITCH, 4" WIDE | | | | | | | | | | | | | | | | | | |
| 18XH400 | Q3 | 5.013" | 4.903" | - | 5 9/16" | 18 | 9 | 5 23/32" | 4 11/16" | 5" | 3/4" | 7/16" | 4 1/8" | - | 4 1/4" | 9/32" | 14.0 | |
| 20XH400 | Q2 | 5.570 | 5.460 | 4 1/4" | 6 1/8" | 20 | 11 | 4 31/32" | 4 11/16" | 3 1/2" | 0 | 1 3/16" | 4 1/8" | 3/4" | 2 3/4" | 9/32" | 18.6 | |
| 22XH400 | Q2 | 6.127 | 6.017 | 4 3/8" | 6 11/16" | 22 | 11 | 4 31/32" | 4 11/16" | 3 1/2" | 0 | 1 3/16" | 4 1/8" | 3/4" | 2 3/4" | 9/32" | 23.7 | |
| 24XH400 | Q2 | 6.685 | 6.575 | 4 15/16" | 7 1/4" | 24 | 11 | 4 31/32" | 4 11/16" | 3 1/2" | 0 | 1 3/16" | 4 1/8" | 3/4" | 2 3/4" | 9/32" | 28.9 | |
| 26XH400 | Q2 | 7.241 | 7.131 | 5 1/2" | 7 3/4" | 26 | 11 | 4 31/32" | 4 11/16" | 3 1/2" | 0 | 1 3/16" | 4 1/8" | 3/4" | 2 3/4" | 9/32" | 34.8 | |
| 28XHR400 | R2 | 7.799 | 7.689 | 5 15/16" | 8 3/8" | 28 | 11 | 5 5/32" | 4 11/16" | 4 7/8" | 3/16" | 0 | 5 3/8" | 7/8" | 4 | 9/32" | 36.0 | |
| 30XHR400 | R2 | 8.356 | 8.246 | 6 1/2" | 8 7/8" | 30 | 11 | 5 5/32" | 4 11/16" | 4 7/8" | 3/16" | 0 | 5 3/8" | 7/8" | 4 | 9/32" | 43.5 | |
| 32XHR400 | R2 | 8.913 | 8.803 | 7 | 9 7/16" | 32 | 11 | 5 5/32" | 4 11/16" | 4 7/8" | 3/16" | 0 | 5 3/8" | 7/8" | 4 | 9/32" | 51.0 | |
| 36XHR400 | R2 | 10.027 | 9.917 | 8 1/16" | 10 9/16" | 36 | 11 | 5 5/32" | 4 11/16" | 4 7/8" | 3/16" | 0 | 5 3/8" | 7/8" | 4 | 9/32" | 67.5 | |
| 40XHR400 | R2 | 11.141 | 11.031 | 9 1/4" | 11 11/16" | 40 | 12 | 5 5/32" | 4 11/16" | 4 7/8" | 3/16" | 0 | 5 3/8" | 7/8" | 4 | 9/32" | 56.0 | |
| 48XHS400 | S1 | 13.369 | 13.259 | 12 | - | 48 | 14 | 5 7/16" | 4 11/16" | 4 3/8" | 3/8" | 11/16" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 64.5 | |
| 60XHS400 | S1 | 16.711 | 16.601 | 15 5/16" | - | 60 | 14 | 5 7/16" | 4 11/16" | 4 3/8" | 3/8" | 11/16" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 77.0 | |
| 72XHS400 | S1 | 20.054 | 19.944 | 18 11/16" | - | 72 | 14 | 5 7/16" | 4 11/16" | 4 3/8" | 3/8" | 11/16" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 87.0 | |
| 84XHS400 | S1 | 23.396 | 23.286 | 22 | - | 84 | 14 | 5 7/16" | 4 11/16" | 4 3/8" | 3/8" | 11/16" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 103 | |
| 96XHS400 | S1 | 26.738 | 26.628 | 25 3/8" | - | 96 | 14 | 5 7/16" | 4 11/16" | 4 3/8" | 3/8" | 11/16" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 112 | |
| 120XHS400 | S1 | 33.423 | 33.313 | 32 | - | 120 | 14 | 5 7/16" | 4 11/16" | 4 3/8" | 3/8" | 11/16" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 143 | |

BORE RANGE

TABLE No. 2

| BUSHING | BORE RANGE |
|---------|-------------------|
| Q1 | 3/4" to 2 11/16" |
| Q2 | 1 to 2 5/8" |
| Q3 | 1 1/3 to 2 1/2" |
| R1 | 1 1/8 to 3 3/4" |
| R2 | 1 3/8 to 3 5/8" |
| S1 | 1 11/16 to 4 1/4" |

STANDARD KEYSEATS

TABLE No. 3

| BORE RANGE | KEYSEAT | BORE RANGE | KEYSEAT |
|-------------------|---------------|-------------------|-------------|
| 3/4" to 7/8" | 3/16" x 3/32" | 2 5/16 to 2 3/4" | 5/8 x 5/16" |
| 15/16 to 1 1/4" | 1/4 x 1/8" | 2 13/16 to 3 1/4" | 3/4 x 3/8" |
| 1 5/16 & 1 3/8" | 5/16 x 5/32" | 3 3/8 to 3 3/4" | 7/8 x 7/16" |
| 1 7/16 to 1 3/4" | 3/8 x 3/16" | 3 7/8 to 4 1/4" | 1 x 1/2" |
| 1 13/16 to 2 1/4" | 1/2 x 1/4" | | |

1 3/4" Bore Bushings (except Q3 and R2) also available with 3/4" x 7/16" Keyseat.

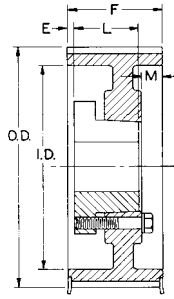


STANDARD KEYSEATS

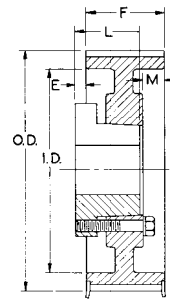
TABLE No. 1

| BORE RANGE | KEYSEAT | BORE RANGE | KEYSEAT |
|------------------|---------------|------------------|------------|
| 3/4" to 7/8" | 3/16" x 3/32" | 2 5/16 to 2 3/4 | 5/8 x 5/16 |
| 1 5/16 to 1 1/4 | 1/4 x 1/8 | 2 13/16 to 3 1/4 | 3/4 x 3/8 |
| 1 5/16 & 1 3/8 | 5/16 x 5/32 | 3 3/8 to 3 3/4 | 7/8 x 7/16 |
| 1 7/16 to 1 3/4 | 3/8 x 3/16 | 3 7/8 to 4 1/2 | 1 x 1/2 |
| 1 13/16 to 2 1/4 | 1/2 x 1/4 | | |

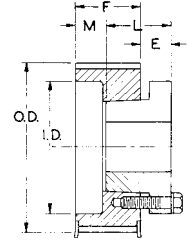
1 3/8" Bore Bushings also available with 1/8" x 3/16" Keyseat.



TYPE A



TYPE D



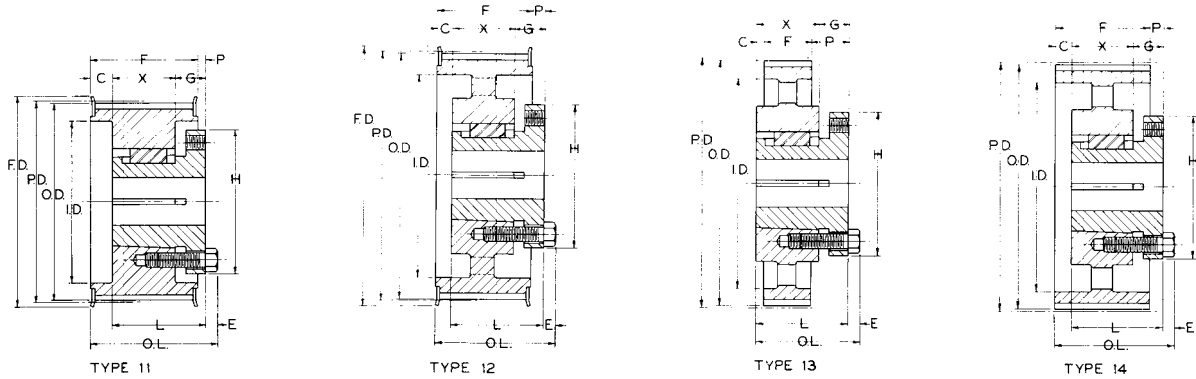
TYPE E

TABLE No. 2

SPECIFICATIONS - GEARBELT® PULLEYS WITH Q-D® BUSHINGS

| PART No. | BUSHING | BORE RANGE | TYPE | NUMBER OF GROOVES | DIAMETERS | | | | DIMENSIONS | | | WT. LESS BUSH. |
|---|---------|---------------|------|-------------------|-----------|----------|--------|----------|------------|----------|---------|----------------|
| | | | | | PITCH | FLANGE | O.D. | I.D. | E | L | M | |
| FOR XH200 BELTS, 7/8" PITCH, 2" WIDE, F = 2 9/16" | | | | | | | | | | | | |
| 18XH200SK | SK | 1/2" - 2 5/8" | E1F | 18 | 5.013" | 5 9/16" | 4.903" | 3 1/8" | 25/32" | 1 3/4" | 1 5/16" | 9 |
| 20XH200SK | SK | 1/2 - 2 5/8 | D1F | 20 | 5.570 | 6 1/8 | 5.460 | 4 1/8 | 1/8 | 1 3/4 | 21/32 | 10 |
| 21XH200SK | SK | 1/2 - 2 5/8 | D1F | 21 | 5.849 | 6 1/4 | 5.739 | 4 5/16 | 1/8 | 1 3/4 | 21/32 | 10 |
| 22XH200SK | SK | 1/2 - 2 5/8 | D1F | 22 | 6.127 | 6 11/16 | 6.017 | 4 3/8 | 1/8 | 1 3/4 | 21/32 | 11 |
| 23XH200SK | SK | 1/2 - 2 5/8 | D1F | 23 | 6.406 | 6 13/16 | 6.296 | 4 11/16 | 1/8 | 1 3/4 | 21/32 | 12 |
| 24XH200SF | SF | 1/2 - 2 15/16 | D1F | 24 | 6.685 | 7 1/4 | 6.575 | 4 15/16 | 3/16 | 2 | 21/32 | 12 |
| 25XH200SF | SF | 1/2 - 2 15/16 | D1F | 25 | 6.963 | 7 1/4 | 6.853 | 5 1/4 | 3/16 | 2 | 21/32 | 13 |
| 26XH200SF | SF | 1/2 - 2 15/16 | D1F | 26 | 7.241 | 7 3/4 | 7.131 | 5 1/2 | 3/16 | 2 | 21/32 | 14 |
| 27XH200SF | SF | 1/2 - 2 15/16 | D1F | 27 | 7.520 | 7 15/16 | 7.410 | 5 3/4 | 3/16 | 2 | 21/32 | 15 |
| 28XH200E | E | 7/8 - 3 1/2 | D1F | 28 | 7.799 | 8 3/8 | 7.689 | 5 15/16 | 11/16 | 2 3/4 | 15/32 | 16 |
| 29XH200E | E | 7/8 - 3 1/2 | D1F | 29 | 8.077 | 8 1/2 | 7.967 | 6 1/4 | 11/16 | 2 3/4 | 15/32 | 19 |
| 30XH200E | E | 7/8 - 3 1/2 | D1F | 30 | 8.356 | 8 7/8 | 8.246 | 6 1/2 | 11/16 | 2 3/4 | 15/32 | 21 |
| 32XH200E | E | 7/8 - 3 1/2 | D1F | 32 | 8.913 | 9 7/16 | 8.803 | 7 | 11/16 | 2 3/4 | 15/32 | 24 |
| 36XH200E | E | 7/8 - 3 1/2 | D2F | 36 | 10.027 | 10 9/16 | 9.917 | 8 1/16 | 11/16 | 2 3/4 | 15/32 | 32 |
| 40XH200F | F | 1 - 4 | D2F | 40 | 11.141 | 11 11/16 | 11.031 | 9 1/4 | 1 5/16 | 3 3/4 | 1/32 | 39 |
| 48XH200F | F | 1 - 4 | D2 | 48 | 13.369 | - | 13.259 | 12 | 1 5/16 | 3 3/4 | 1/32 | 46 |
| 60XH200F | F | 1 - 4 | D3 | 60 | 16.711 | - | 16.601 | 15 3/16 | 1 5/16 | 3 3/4 | 1/32 | 46 |
| 72XH200F | F | 1 - 4 | D3 | 72 | 20.054 | - | 19.944 | 18 11/16 | 1 5/16 | 3 3/4 | 1/32 | 57 |
| 84XH200F | F | 1 - 4 | D3 | 84 | 23.396 | - | 23.286 | 22 | 1 5/16 | 3 3/4 | 1/32 | 66 |
| 96XH200F | F | 1 - 4 | D3 | 96 | 26.738 | - | 26.628 | 25 3/8 | 1 5/16 | 3 3/4 | 1/32 | 80 |
| 120XH200F | F | 1 - 4 | D3 | 120 | 33.423 | - | 33.313 | 32 | 1 5/16 | 3 3/4 | 1/32 | 101 |
| FOR XH300 BELTS, 7/8" PITCH, 3" WIDE, F = 3 5/8" | | | | | | | | | | | | |
| 18XH300SK | SK | 1/2" - 2 5/8" | E1F | 18 | 5.013" | 5 9/16" | 4.903" | 3 1/8" | 25/32" | 1 3/4" | 2 3/8" | 11 |
| 20XH300SK | SK | 1/2 - 2 5/8 | A1F | 20 | 5.570 | 6 1/8 | 5.460 | 4 1/8 | 13/32 | 1 3/4 | 1 3/16 | 12 |
| 21XH300SK | SK | 1/2 - 2 5/8 | A1F | 21 | 5.849 | 6 1/4 | 5.739 | 4 5/16 | 13/32 | 1 3/4 | 1 3/16 | 13 |
| 22XH300SK | SK | 1/2 - 2 5/8 | A1F | 22 | 6.127 | 6 11/16 | 6.017 | 4 3/8 | 13/32 | 1 3/4 | 1 3/16 | 14 |
| 23XH300SK | SK | 1/2 - 2 5/8 | A1F | 23 | 6.406 | 6 13/16 | 6.296 | 4 11/16 | 13/32 | 1 3/4 | 1 3/16 | 15 |
| 24XH300SF | SF | 1/2 - 2 15/16 | A1F | 24 | 6.685 | 7 1/4 | 6.575 | 4 15/16 | 11/32 | 2 | 1 3/16 | 16 |
| 25XH300SF | SF | 1/2 - 2 15/16 | A1F | 25 | 6.963 | 7 1/4 | 6.853 | 5 1/4 | 11/32 | 2 | 1 3/16 | 17 |
| 26XH300SF | SF | 1/2 - 2 15/16 | A1F | 26 | 7.241 | 7 3/4 | 7.131 | 5 1/2 | 11/32 | 2 | 1 3/16 | 18 |
| 27XH300SF | SF | 1/2 - 2 15/16 | A1F | 27 | 7.520 | 7 15/16 | 7.410 | 5 3/4 | 11/32 | 2 | 1 3/16 | 19 |
| 28XH300E | E | 7/8 - 3 1/2 | D1F | 28 | 7.799 | 8 3/8 | 7.689 | 5 15/16 | 5/32 | 2 3/4 | 1 | 20 |
| 29XH300E | E | 7/8 - 3 1/2 | D1F | 29 | 8.077 | 8 1/2 | 7.967 | 6 1/4 | 5/32 | 2 3/4 | 1 | 23 |
| 30XH300E | E | 7/8 - 3 1/2 | D1F | 30 | 8.356 | 8 7/8 | 8.246 | 6 1/2 | 5/32 | 2 3/4 | 1 | 25 |
| 32XH300E | E | 7/8 - 3 1/2 | D1F | 32 | 8.913 | 9 7/16 | 8.803 | 7 | 5/32 | 2 3/4 | 1 | 29 |
| 36XH300E | E | 7/8 - 3 1/2 | D2F | 36 | 10.027 | 10 9/16 | 9.917 | 8 1/16 | 5/32 | 2 3/4 | 1 | 37 |
| 40XH300F | F | 1 - 4 | D2F | 40 | 11.141 | 11 11/16 | 11.031 | 9 1/4 | 25/32 | 3 3/4 | 9/16 | 45 |
| 48XH300F | F | 1 - 4 | D2 | 48 | 13.369 | - | 13.259 | 12 | 25/32 | 3 3/4 | 9/16 | 53 |
| 60XH300F | F | 1 - 4 | D3 | 60 | 16.711 | - | 16.601 | 15 3/16 | 25/32 | 3 3/4 | 9/16 | 57 |
| 72XH300J | J | 1 1/2 - 4 1/2 | D3 | 72 | 20.054 | - | 19.944 | 18 11/16 | 1 7/32 | 4 5/8 | 7/32 | 76 |
| 84XH300J | J | 1 1/2 - 4 1/2 | D3 | 84 | 23.396 | - | 23.286 | 22 | 1 7/32 | 4 5/8 | 7/32 | 88 |
| 96XH300J | J | 1 1/2 - 4 1/2 | D3 | 96 | 26.738 | - | 26.628 | 25 3/8 | 1 7/32 | 4 5/8 | 7/32 | 102 |
| 120XH300J | J | 1 1/2 - 4 1/2 | D3 | 120 | 33.423 | - | 33.313 | 32 | 1 7/32 | 4 5/8 | 7/32 | 134 |
| FOR XH400 BELTS, 7/8" PITCH, 4" WIDE, F = 4 11/16" | | | | | | | | | | | | |
| 20XH400SK | SK | 1/2" - 2 5/8" | A1F | 20 | 5.570" | 6 1/8" | 5.460" | 4 1/8" | 13/32" | 1 15/16" | 2 1/4" | 15 |
| 22XH400SK | SK | 1/2 - 2 5/8 | A1F | 22 | 6.127 | 6 11/16 | 6.017 | 4 3/8 | 13/32 | 1 15/16 | 2 1/4 | 17 |
| 24XH400SF | SF | 1/2 - 2 15/16 | A1F | 24 | 6.685 | 7 1/4 | 6.575 | 4 15/16 | 11/32 | 2 1/16 | 2 1/4 | 19 |
| 26XH400SF | SF | 1/2 - 2 15/16 | A1F | 26 | 7.241 | 7 3/4 | 7.131 | 5 1/2 | 11/32 | 2 1/16 | 2 1/4 | 21 |
| 28XH400E | E | 7/8 - 3 1/2 | A1F | 28 | 7.799 | 8 3/8 | 7.689 | 5 15/16 | 3/8 | 2 3/4 | 1 17/32 | 23 |
| 30XH400E | E | 7/8 - 3 1/2 | A1F | 30 | 8.356 | 8 7/8 | 8.246 | 6 1/2 | 3/8 | 2 3/4 | 1 17/32 | 30 |
| 32XH400E | E | 7/8 - 3 1/2 | A2F | 32 | 8.913 | 9 7/16 | 8.803 | 7 | 3/8 | 2 3/4 | 1 17/32 | 34 |
| 36XH400E | E | 7/8 - 3 1/2 | A2F | 36 | 10.027 | 10 9/16 | 9.917 | 8 1/16 | 3/8 | 2 3/4 | 1 17/32 | 44 |
| 40XH400F | F | 1 - 4 | D2F | 40 | 11.141 | 11 11/16 | 11.031 | 9 1/4 | 1/4 | 3 3/4 | 1 3/32 | 52 |
| 48XH400J | J | 1 1/2 - 4 1/2 | D2 | 48 | 13.369 | - | 13.259 | 12 | 11/16 | 4 5/8 | 3/4 | 67 |
| 60XH400J | J | 1 1/2 - 4 1/2 | D3 | 60 | 16.711 | - | 16.601 | 15 3/16 | 11/16 | 4 5/8 | 3/4 | 74 |
| 72XH400J | J | 1 1/2 - 4 1/2 | D3 | 72 | 20.054 | - | 19.944 | 18 11/16 | 11/16 | 4 5/8 | 3/4 | 90 |
| 84XH400J | J | 1 1/2 - 4 1/2 | D3 | 84 | 23.396 | - | 23.286 | 22 | 11/16 | 4 5/8 | 3/4 | 102 |
| 96XH400J | J | 1 1/2 - 4 1/2 | D3 | 96 | 26.738 | - | 26.628 | 25 3/8 | 11/16 | 4 5/8 | 3/4 | 124 |
| 120XH400J | J | 1 1/2 - 4 1/2 | D3 | 120 | 33.423 | - | 33.313 | 32 | 11/16 | 4 5/8 | 3/4 | 156 |

NOTE - Numerals in Type Designations mean: 1 = Solid, 2 = Web, and 3 = Arm Construction; F = Flanged Pulley.



SPECIFICATIONS-STOCK GEARBELT® PULLEYS WITH BROWNING SPLIT TAPER® BUSHINGS

TABLE No. 1

| PART NUMBER | | DIAMETERS | | | | NUMBER OF GROOVES | TYPE | DIMENSIONS | | | | | | | | | WT. Lbs. LESS BUSH. |
|--|---------|-----------|---------|----------|-----------|-------------------|------|------------|----------|--------|----------|--------|--------|---------|---------|--------|---------------------|
| PULLEY | BUSHING | PITCH | OUTSIDE | INSIDE | FLANGE | | | O.L. | F | L | P | C | H | G | X | E | |
| FOR XXH200 BELTS, 1 1/4" PITCH, 2" WIDE | | | | | | | | | | | | | | | | | |
| 18XXHR200 | R1 | 7.162" | 7.042" | 5 1/2" | 7 7/8" | 18 | 11 | 3 5/32" | 2 5/8" | 2 7/8" | 1/4" | 0 | 5 3/8" | 7/8" | 2" | 9/32" | 13.5 |
| 20XXHR200 | R1 | 7.958 | 7.838 | 6 | 8 11/16" | 20 | 11 | 3 5/32" | 2 5/8" | 2 7/8" | 1/4" | 0 | 5 3/8" | 7/8" | 2 | 9/32" | 18.9 |
| 22XXHR200 | R1 | 8.753 | 8.633 | 6 3/4 | 9 1/2" | 22 | 11 | 3 5/32" | 2 5/8" | 2 7/8" | 1/4" | 0 | 5 3/8" | 7/8" | 2 | 9/32" | 24.3 |
| 24XXHR200 | R1 | 9.549 | 9.429 | 7 1/2 | 10 5/16" | 24 | 12 | 3 5/32" | 2 5/8" | 2 7/8" | 1/4" | 0 | 5 3/8" | 7/8" | 2 | 9/32" | 24.9 |
| 26XXHR200 | R1 | 10.345 | 10.225 | 8 1/4 | 11 1/16" | 26 | 12 | 3 5/32" | 2 5/8" | 2 7/8" | 1/4" | 0 | 5 3/8" | 7/8" | 2 | 9/32" | 29.8 |
| 30XXHR200 | R1 | 11.937 | 11.817 | 9 7/8 | 12 11/16" | 30 | 12 | 3 5/32" | 2 5/8" | 2 7/8" | 1/4" | 0 | 5 3/8" | 7/8" | 2 | 9/32" | 36.4 |
| 34XXHR200 | R1 | 13.528 | 13.408 | 11 1/4 | 14 1/4" | 34 | 12 | 3 5/32" | 2 5/8" | 2 7/8" | 1/4" | 0 | 5 3/8" | 7/8" | 2 | 9/32" | 40.3 |
| 40XXHR200 | R1 | 15.915 | 15.795 | 13 5/8 | 16 5/8" | 40 | 12 | 3 5/32" | 2 5/8" | 2 7/8" | 1/4" | 0 | 5 3/8" | 7/8" | 2 | 9/32" | 49.5 |
| 48XXHS200 | S1 | 19.099 | 18.979 | 16 13/16 | - | 48 | 13 | 4 3/4" | 2 5/8" | 4 3/8" | 1 13/32" | 11/32" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 870 |
| 60XXHS200 | S1 | 23.873 | 23.753 | 21 5/8 | - | 60 | 13 | 4 3/4" | 2 5/8" | 4 3/8" | 1 13/32" | 11/32" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 103 |
| 72XXHS200 | S1 | 28.648 | 28.528 | 26 3/8 | - | 72 | 13 | 4 3/4" | 2 5/8" | 4 3/8" | 1 13/32" | 11/32" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 120 |
| 90XXHS200 | S1 | 35.810 | 35.690 | 33 1/2 | - | 90 | 13 | 4 3/4" | 2 5/8" | 4 3/8" | 1 13/32" | 11/32" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 165 |
| FOR XXH300 BELTS, 1 1/4" PITCH, 3" WIDE | | | | | | | | | | | | | | | | | |
| 18XXHR300 | R1 | 7.162" | 7.042" | 5 1/2" | 7 7/8" | 18 | 11 | 3 31/32" | 3 11/16" | 2 7/8" | 0 | 13/16" | 5 3/8" | 7/8" | 2" | 9/32" | 17.3 |
| 20XXHR300 | R1 | 7.958 | 7.838 | 6 | 8 11/16" | 20 | 11 | 3 31/32" | 3 11/16" | 2 7/8" | 0 | 13/16" | 5 3/8" | 7/8" | 2 | 9/32" | 23.4 |
| 22XXHR300 | R1 | 8.753 | 8.633 | 6 3/4 | 9 1/2" | 22 | 11 | 3 31/32" | 3 11/16" | 2 7/8" | 0 | 13/16" | 5 3/8" | 7/8" | 2 | 9/32" | 29.6 |
| 24XXHR300 | R1 | 9.549 | 9.429 | 7 1/2 | 10 5/16" | 24 | 12 | 3 31/32" | 3 11/16" | 2 7/8" | 0 | 13/16" | 5 3/8" | 7/8" | 2 | 9/32" | 30.8 |
| 26XXHR300 | R1 | 10.345 | 10.225 | 8 1/4 | 11 1/16" | 26 | 12 | 3 31/32" | 3 11/16" | 2 7/8" | 0 | 13/16" | 5 3/8" | 7/8" | 2 | 9/32" | 35.0 |
| 30XXHR300 | R1 | 11.937 | 11.817 | 9 7/8 | 12 11/16" | 30 | 12 | 3 31/32" | 3 11/16" | 2 7/8" | 0 | 13/16" | 5 3/8" | 7/8" | 2 | 9/32" | 45.6 |
| 34XXHR300 | R1 | 13.528 | 13.408 | 11 1/4 | 14 1/4" | 34 | 12 | 3 31/32" | 3 11/16" | 2 7/8" | 0 | 13/16" | 5 3/8" | 7/8" | 2 | 9/32" | 49.5 |
| 40XXHR300 | R1 | 15.915 | 15.795 | 13 5/8 | 16 5/8" | 40 | 12 | 3 31/32" | 3 11/16" | 2 7/8" | 0 | 13/16" | 5 3/8" | 7/8" | 2 | 9/32" | 59.5 |
| 48XXHS300 | S1 | 19.099 | 18.979 | 16 13/16 | - | 48 | 14 | 4 15/16" | 3 11/16" | 4 3/8" | 7/8" | 3/16" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 106 |
| 60XXHS300 | S1 | 23.873 | 23.753 | 21 5/8 | - | 60 | 14 | 4 15/16" | 3 11/16" | 4 3/8" | 7/8" | 3/16" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 120 |
| 72XXHS300 | S1 | 28.648 | 28.528 | 26 3/8 | - | 72 | 14 | 4 15/16" | 3 11/16" | 4 3/8" | 7/8" | 3/16" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 138 |
| 90XXHS300 | S1 | 35.810 | 35.690 | 33 1/2 | - | 90 | 14 | 4 15/16" | 3 11/16" | 4 3/8" | 7/8" | 3/16" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 186 |
| FOR XXH400 BELTS, 1 1/4" PITCH, 4" WIDE | | | | | | | | | | | | | | | | | |
| 18XXHR400 | R2 | 7.162" | 7.042" | 5 1/2" | 7 7/8" | 18 | 11 | 5 5/32" | 4 3/4" | 4 7/8" | 1/8" | 0 | 5 3/8" | 7/8" | 4" | 9/32" | 25.8 |
| 20XXHR400 | R2 | 7.958 | 7.838 | 6 | 8 11/16" | 20 | 11 | 5 5/32" | 4 3/4" | 4 7/8" | 1/8" | 0 | 5 3/8" | 7/8" | 4 | 9/32" | 35.7 |
| 22XXHR400 | R2 | 8.753 | 8.633 | 6 3/4 | 9 1/2" | 22 | 11 | 5 5/32" | 4 3/4" | 4 7/8" | 1/8" | 0 | 5 3/8" | 7/8" | 4 | 9/32" | 47.2 |
| 24XXHR400 | R2 | 9.549 | 9.429 | 7 1/2 | 10 5/16" | 24 | 12 | 5 5/32" | 4 3/4" | 4 7/8" | 1/8" | 0 | 5 3/8" | 7/8" | 4 | 9/32" | 56.0 |
| 26XXHR400 | R2 | 10.345 | 10.225 | 8 1/4 | 11 1/16" | 26 | 12 | 5 5/32" | 4 3/4" | 4 7/8" | 1/8" | 0 | 5 3/8" | 7/8" | 4 | 9/32" | 66.0 |
| 30XXHR400 | R2 | 11.937 | 11.817 | 9 7/8 | 12 11/16" | 30 | 12 | 5 5/32" | 4 3/4" | 4 7/8" | 1/8" | 0 | 5 3/8" | 7/8" | 4 | 9/32" | 65.0 |
| 34XXHS400 | S1 | 13.528 | 13.408 | 11 1/4 | 14 1/4" | 34 | 12 | 5 1/8" | 4 3/4" | 4 3/8" | 0 | 3/8" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 80.0 |
| 40XXHS400 | S1 | 15.915 | 15.795 | 13 5/8 | 16 5/8" | 40 | 12 | 5 1/8" | 4 3/4" | 4 3/8" | 0 | 3/8" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 103 |
| 48XXHU400 | U1 | 19.099 | 18.979 | 16 13/16 | - | 48 | 13 | 7 19/32" | 4 3/4" | 7 1/8" | 1 15/16" | 7/16" | 8 3/8" | 1 1/2" | 5 5/8" | 15/32" | 165 |
| 60XXHU400 | U1 | 23.873 | 23.753 | 21 5/8 | - | 60 | 13 | 7 19/32" | 4 3/4" | 7 1/8" | 1 15/16" | 7/16" | 8 3/8" | 1 1/2" | 5 5/8" | 15/32" | 183 |
| 72XXHU400 | U1 | 28.648 | 28.528 | 26 3/8 | - | 72 | 13 | 7 19/32" | 4 3/4" | 7 1/8" | 1 15/16" | 7/16" | 8 3/8" | 1 1/2" | 5 5/8" | 15/32" | 208 |
| 90XXHU400 | U1 | 35.810 | 35.690 | 33 1/2 | - | 90 | 13 | 7 19/32" | 4 3/4" | 7 1/8" | 1 15/16" | 7/16" | 8 3/8" | 1 1/2" | 5 5/8" | 15/32" | 285 |

BORE RANGE

TABLE No. 2

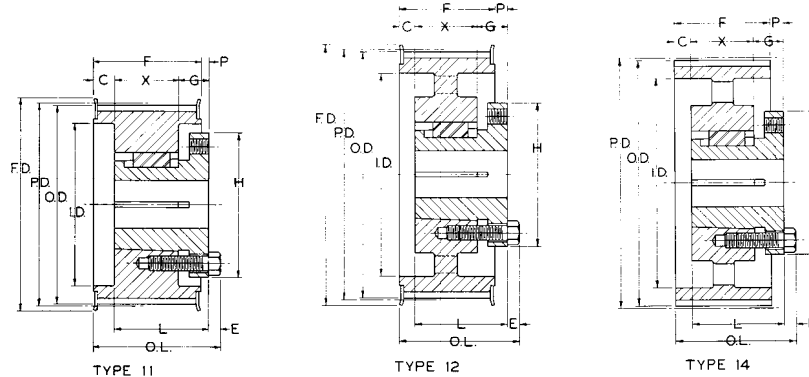
| BUSHING | BORE RANGE |
|---------|------------------|
| R1 | 1 1/8" to 3 3/4" |
| R2 | 1 3/8 to 3 5/8 |
| S1 | 1 11/16 to 4 1/4 |
| U1 | 2 3/8 to 5 1/2 |

STANDARD KEYSEATS

TABLE No. 3

| BORE RANGE | KEYSEAT | BORE RANGE | KEYSEAT |
|------------------|-------------|------------------|-------------|
| 1 1/8" to 1 1/4" | 1/4" x 1/8" | 2 13/16 to 3 1/4 | 3/4 x 3/8 |
| 1 5/16 to 1 3/8 | 5/16 x 5/32 | 3 3/8 to 3 3/4 | 7/8 x 7/16 |
| 1 7/16 to 1 3/4 | 3/8 x 3/16 | 3 7/8 to 4 1/2 | 1 x 1/2 |
| 1 13/16 to 2 1/4 | 1/2 x 1/4 | 4 5/8 to 5 1/2 | 1 1/4 x 5/8 |
| 2 5/16 to 2 3/4 | 5/8 x 5/16 | | |

1 1/4" Bore Bushings (except R2) also available with 3/8" x 7/16" Keyseat.



SPECIFICATIONS-STOCK GEARBELT® PULLEYS WITH BROWNING SPLIT TAPER® BUSHINGS

TABLE No. 1

| PART NUMBER | | DIAMETERS | | | | NUMBER OF GROOVES | TYPE | DIMENSIONS | | | | | | | | WT. Lbs. LESS BUSH. | |
|--|---------|-----------|---------|----------|-----------|-------------------|------|------------|----------|--------|----------|---------|--------|---------|---------|---------------------|------|
| PULLEY | BUSHING | PITCH | OUTSIDE | INSIDE | FLANGE | | | O.L. | F | L | P | C | H | G | X | | E |
| FOR XXH500 BELTS, 1 1/4" PITCH, 5" WIDE | | | | | | | | | | | | | | | | | |
| 18XXHR500 | R2 | 7.162" | 7.042" | 5 1/2" | 7 7/8" | 18 | 11 | 6 3/32" | 5 13/16" | 4 7/8" | 0 | 15/16" | 5 3/8" | 7/8" | 4" | 9/32" | 29.0 |
| 20XXHR500 | R2 | 7.958 | 7.838 | 6 | 8 11/16" | 20 | 11 | 6 3/32" | 5 13/16" | 4 7/8" | 0 | 15/16" | 5 3/8" | 7/8" | 4 | 9/32" | 39.9 |
| 22XXHR500 | R2 | 8.753 | 8.633 | 6 3/4 | 9 1/2" | 22 | 11 | 6 3/32" | 5 13/16" | 4 7/8" | 0 | 15/16" | 5 3/8" | 7/8" | 4 | 9/32" | 51.5 |
| 24XXHR500 | R2 | 9.549 | 9.429 | 7 1/2 | 10 5/16" | 24 | 12 | 6 3/32" | 5 13/16" | 4 7/8" | 0 | 15/16" | 5 3/8" | 7/8" | 4 | 9/32" | 61.5 |
| 26XXHR500 | R2 | 10.345 | 10.225 | 8 1/4 | 11 1/16" | 26 | 12 | 6 3/32" | 5 13/16" | 4 7/8" | 0 | 15/16" | 5 3/8" | 7/8" | 4 | 9/32" | 73.0 |
| 30XXHR500 | R2 | 11.937 | 11.817 | 9 7/8 | 12 11/16" | 30 | 12 | 6 3/32" | 5 13/16" | 4 7/8" | 0 | 15/16" | 5 3/8" | 7/8" | 4 | 9/32" | 69.0 |
| 34XXHS500 | S1 | 13.528 | 13.408 | 11 1/4 | 14 1/4" | 34 | 12 | 6 3/16" | 5 13/16" | 4 3/8" | 0 | 1 7/16" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 92.0 |
| 40XXHS500 | S1 | 15.915 | 15.795 | 13 5/8 | 16 5/8" | 40 | 12 | 6 3/16" | 5 13/16" | 4 3/8" | 0 | 1 7/16" | 6 3/8" | 1 1/16" | 3 5/16" | 3/8" | 115 |
| 48XXHU500 | U1 | 19.099 | 18.979 | 16 13/16 | - | 48 | 14 | 7 11/16" | 5 13/16" | 7 1/8" | 1 19/32" | 3/32" | 8 3/8" | 1 1/2" | 5 5/8" | 15/32" | 174 |
| 60XXHU500 | U1 | 23.873 | 23.753 | 21 5/8 | - | 60 | 14 | 7 11/16" | 5 13/16" | 7 1/8" | 1 19/32" | 3/32" | 8 3/8" | 1 1/2" | 5 5/8" | 15/32" | 204 |
| 72XXHU500 | U1 | 28.648 | 28.528 | 26 3/8 | - | 72 | 14 | 7 11/16" | 5 13/16" | 7 1/8" | 1 19/32" | 3/32" | 8 3/8" | 1 1/2" | 5 5/8" | 15/32" | 247 |
| 90XXHU500 | U1 | 35.810 | 35.690 | 33 1/2 | - | 90 | 14 | 7 11/16" | 5 13/16" | 7 1/8" | 1 19/32" | 3/32" | 8 3/8" | 1 1/2" | 5 5/8" | 15/32" | 308 |

BORE RANGE

TABLE No. 2

| BUSHING | BORE RANGE |
|---------|------------------|
| R1 | 1 1/8" to 3 3/4" |
| R2 | 1 3/8 to 3 5/8 |
| S1 | 1 11/16 to 4 1/4 |
| U1 | 2 3/8 to 5 1/2 |

STANDARD KEYSEATS

TABLE No. 3

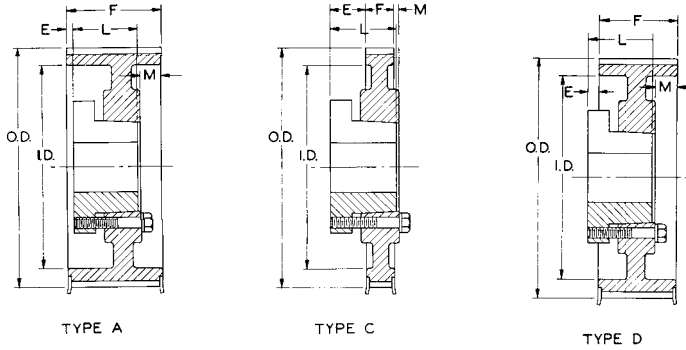
| BORE RANGE | KEYSEAT |
|------------------|-------------|
| 1 1/8" to 1 1/4" | 1/4" x 1/8" |
| 1 5/16 & 1 3/8 | 5/16 x 5/32 |
| 1 7/16 to 1 3/4 | 3/8 x 3/16 |
| 1 13/16 to 2 1/4 | 1/2 x 1/4 |
| 2 5/16 to 2 3/4 | 5/8 x 5/16 |
| 2 13/16 to 3 1/4 | 3/4 x 3/8 |
| 3 3/8 to 3 3/4 | 7/8 x 7/16 |
| 3 7/8 to 4 1/2 | 1 x 1/2 |
| 4 5/8 to 5 1/2 | 1 1/4 x 5/8 |

1 3/8" Bore Bushings (except R2) also available with 3/4" x 3/16" Keyseat.

STOCK "XXH", 1 1/4" PITCH GEARBELTS

TABLE No. 4

| PITCH LENGTH | No. TEETH | 2" WIDE | | 3" WIDE | | 4" WIDE | | 5" WIDE | |
|--------------|-----------|------------|----------|------------|----------|------------|----------|------------|----------|
| | | PART No. | WT. Lbs. | PART No. | WT. Lbs. | PART No. | WT. Lbs. | PART No. | WT. Lbs. |
| 70.0" | 56 | 700XXH200 | 3.8 | 700XXH300 | 4.7 | 700XXH400 | 6.9 | 700XXH500 | 6.8 |
| 80.0 | 64 | 800XXH200 | 3.7 | 800XXH300 | 5.6 | 800XXH400 | 7.1 | 800XXH500 | 11.0 |
| 90.0 | 72 | 900XXH200 | 4.8 | 900XXH300 | 5.8 | 900XXH400 | 8.4 | 900XXH500 | 11.5 |
| 100.0 | 80 | 1000XXH200 | 4.9 | 1000XXH300 | 7.1 | 1000XXH400 | 9.5 | 1000XXH500 | 10.0 |
| 120.0 | 96 | 1200XXH200 | 6.0 | 1200XXH300 | 10.0 | 1200XXH400 | 12.9 | 1200XXH500 | 16.0 |
| 140.0 | 112 | 1400XXH200 | 7.5 | 1400XXH300 | 11.0 | 1400XXH400 | 15.0 | 1400XXH500 | 18.5 |
| 160.0 | 128 | 1600XXH200 | 8.7 | 1600XXH300 | 12.0 | 1600XXH400 | 17.1 | 1600XXH500 | 20.8 |
| 180.0 | 144 | 1800XXH200 | 9.3 | 1800XXH300 | 13.4 | 1800XXH400 | 17.4 | 1800XXH500 | 21.9 |



STANDARD KEYSEATS

TABLE No. 2

| BORE RANGE | KEYSEAT |
|-------------------|-------------|
| 1 1/8" to 1 1/4" | 1/4" x 1/8" |
| 1 5/16 & 1 3/8" | 5/16 x 5/32 |
| 1 7/16 to 1 3/4" | 3/8 x 3/16 |
| 1 13/16 to 2 1/4" | 1/2 x 1/4 |
| 2 5/16 to 2 3/4" | 5/8 x 5/16 |
| 2 13/16 to 3 1/4" | 3/4 x 3/8 |
| 3 3/8 to 3 3/4" | 7/8 x 7/16 |
| 3 7/8 to 4 1/2" | 1 x 1/2 |
| 4 5/8 to 5 1/2" | 1 1/4 x 5/8 |

1 3/4" Bore Bushings also available with 3/4" x 3/16" Keyseat.

TABLE No. 1

SPECIFICATIONS - GEARBELT® PULLEYS WITH Q-D® BUSHINGS

| PART No. | BUSHING | BORE RANGE | TYPE | NUMBER OF GROOVES | DIAMETERS | | | | DIMENSIONS | | | WT. LESS BUSH. |
|--|---------|-----------------|------|-------------------|-----------|-----------|--------|-----------|------------|----------|----------|----------------|
| | | | | | PITCH | FLANGE | O.D. | I.D. | E | L | M | |
| FOR XXH200 BELTS, 1 1/4" PITCH, 2" WIDE, F = 2 5/8" | | | | | | | | | | | | |
| 18XXH200SK | SK | 1/2" - 2 5/8" | D1F | 18 | 7.162" | 7 7/8" | 7.042" | 5 1/2" | 3/32" | 1 15/16" | 11/16" | 12 |
| 20XXH200SK | SK | 1/2" - 2 5/8" | D1F | 20 | 7.958 | 8 11/16" | 7.838 | 6 | 3/32" | 1 15/16" | 11/16" | 16 |
| 22XXH200E | E | 7/8 - 3 1/2" | D1F | 22 | 8.753 | 9 1/2" | 8.633 | 6 3/4" | 21/32" | 2 3/4" | 1/2" | 24 |
| 24XXH200E | E | 7/8 - 3 1/2" | D1F | 24 | 9.549 | 10 5/16" | 9.429 | 7 1/2" | 21/32" | 2 3/4" | 1/2" | 29 |
| 26XXH200E | E | 7/8 - 3 1/2" | D2F | 26 | 10.345 | 11 1/16" | 10.225 | 8 1/4" | 21/32" | 2 3/4" | 1/2" | 32 |
| 30XXH200F | F | 1 - 4" | D2F | 30 | 11.937 | 12 11/16" | 11.817 | 9 7/8" | 1 9/32" | 3 3/4" | 1/16" | 47 |
| 34XXH200F | F | 1 - 4" | D2F | 34 | 13.528 | 14 1/4" | 13.408 | 11 1/4" | 1 9/32" | 3 3/4" | 1/16" | 56 |
| 40XXH200F | F | 1 - 4" | D3F | 40 | 15.915 | 16 5/8" | 15.795 | 13 5/8" | 1 9/32" | 3 3/4" | 1/16" | 60 |
| 48XXH200J | J | 1 1/2 - 4 1/2" | C3 | 48 | 19.099 | - | 18.979 | 16 13/16" | 1 13/16" | 4 5/8" | 9/32" | 81 |
| 60XXH200J | J | 1 1/2 - 4 1/2" | C3 | 60 | 23.873 | - | 23.753 | 21 5/8" | 1 13/16" | 4 5/8" | 9/32" | 89 |
| 72XXH200J | J | 1 1/2 - 4 1/2" | C3 | 72 | 28.648 | - | 28.528 | 26 3/8" | 1 13/16" | 4 5/8" | 9/32" | 106 |
| 90XXH200J | J | 1 1/2 - 4 1/2" | C3 | 90 | 35.810 | - | 35.690 | 33 1/2" | 1 13/16" | 4 5/8" | 9/32" | 130 |
| FOR XXH300 BELTS, 1 1/4" PITCH, 3 WIDE, F = 3 11/16" | | | | | | | | | | | | |
| 18XXH300SF | SF | 1/2" - 2 15/16" | A1F | 18 | 7.162" | 7 7/8" | 7.042" | 5 1/2" | 17/32" | 2 1/16" | 1 1/16" | 18 |
| 20XXH300SF | SF | 1/2 - 2 15/16" | A1F | 20 | 7.958 | 8 11/16" | 7.838 | 6 | 17/32" | 2 1/16" | 1 1/16" | 22 |
| 22XXH300E | E | 7/8 - 3 1/2" | D1F | 22 | 8.753 | 9 1/2" | 8.633 | 6 3/4" | 1/8" | 2 3/4" | 1 1/32" | 30 |
| 24XXH300E | E | 7/8 - 3 1/2" | D2F | 24 | 9.549 | 10 5/16" | 9.429 | 7 1/2" | 1/8" | 2 3/4" | 1 1/32" | 36 |
| 26XXH300E | E | 7/8 - 3 1/2" | D2F | 26 | 10.345 | 11 1/16" | 10.225 | 8 1/4" | 1/8" | 2 3/4" | 1 1/32" | 40 |
| 30XXH300F | F | 1 - 4" | D2F | 30 | 11.937 | 12 11/16" | 11.817 | 9 7/8" | 3/4" | 3 3/4" | 19/32" | 57 |
| 34XXH300F | F | 1 - 4" | D2F | 34 | 13.528 | 14 1/4" | 13.408 | 11 1/4" | 3/4" | 3 3/4" | 19/32" | 67 |
| 40XXH300F | F | 1 - 4" | D3F | 40 | 15.915 | 16 5/8" | 15.795 | 13 5/8" | 3/4" | 3 3/4" | 19/32" | 75 |
| 48XXH300J | J | 1 1/2 - 4 1/2" | D3 | 48 | 19.099 | - | 18.979 | 16 13/16" | 1 3/16" | 4 5/8" | 1/4" | 102 |
| 60XXH300J | J | 1 1/2 - 4 1/2" | D3 | 60 | 23.873 | - | 23.753 | 21 5/8" | 1 3/16" | 4 5/8" | 1/4" | 108 |
| 72XXH300J | J | 1 1/2 - 4 1/2" | D3 | 72 | 28.648 | - | 28.528 | 26 3/8" | 1 3/16" | 4 5/8" | 1/4" | 127 |
| 90XXH300J | J | 1 1/2 - 4 1/2" | D3 | 90 | 35.810 | - | 35.690 | 33 1/2" | 1 3/16" | 4 5/8" | 1/4" | 156 |
| FOR XXH400 BELTS, 1 1/4" PITCH, 4" WIDE, F = 4 3/4" | | | | | | | | | | | | |
| 18XXH400SF | SF | 1/2" - 2 15/16" | A1F | 18 | 7.162" | 7 7/8" | 7.042" | 5 1/2" | 17/32" | 2 1/16" | 2 1/8" | 25 |
| 20XXH400SF | SF | 1/2 - 2 15/16" | A1F | 20 | 7.958 | 8 11/16" | 7.838 | 6 | 17/32" | 2 1/16" | 2 1/8" | 30 |
| 22XXH400E | E | 7/8 - 3 1/2" | A1F | 22 | 8.753 | 9 1/2" | 8.633 | 6 3/4" | 13/32" | 2 3/4" | 1 9/16" | 36 |
| 24XXH400E | E | 7/8 - 3 1/2" | A2F | 24 | 9.549 | 10 5/16" | 9.429 | 7 1/2" | 13/32" | 2 3/4" | 1 9/16" | 44 |
| 26XXH400F | F | 1 - 4" | D1F | 26 | 10.345 | 11 1/16" | 10.225 | 8 1/4" | 7/32" | 3 3/4" | 1 1/8" | 56 |
| 30XXH400F | F | 1 - 4" | D2F | 30 | 11.937 | 12 11/16" | 11.817 | 9 7/8" | 7/32" | 3 3/4" | 1 1/8" | 66 |
| 34XXH400J | J | 1 1/2 - 4 1/2" | D2F | 34 | 13.528 | 14 1/4" | 13.408 | 11 1/4" | 21/32" | 4 5/8" | 25/32" | 84 |
| 40XXH400J | J | 1 1/2 - 4 1/2" | D3F | 40 | 15.915 | 16 5/8" | 15.795 | 13 5/8" | 21/32" | 4 5/8" | 25/32" | 94 |
| 48XXH400J | J | 1 1/2 - 4 1/2" | D3 | 48 | 19.099 | - | 18.979 | 16 13/16" | 21/32" | 4 5/8" | 25/32" | 120 |
| 60XXH400M | M | 2 - 5 1/2" | C3 | 60 | 23.873 | - | 23.753 | 21 5/8" | 1 13/16" | 6 3/4" | 7/32" | 161 |
| 72XXH400M | M | 2 - 5 1/2" | C3 | 72 | 28.648 | - | 28.528 | 26 3/8" | 1 13/16" | 6 3/4" | 7/32" | 200 |
| 90XXH400M | M | 2 - 5 1/2" | C3 | 90 | 35.810 | - | 35.690 | 33 1/2" | 1 13/16" | 6 3/4" | 7/32" | 247 |
| FOR XXH500 BELTS, 1 1/4" PITCH, 5" WIDE, F = 5 13/16" | | | | | | | | | | | | |
| 22XXH500E | E | 7/8" - 3 1/2" | A1F | 22 | 8.753" | 9 1/2" | 8.633" | 6 3/4" | 15/16" | 2 3/4" | 2 3/32" | 42 |
| 24XXH500F | F | 1 - 4" | A2F | 24 | 9.549 | 10 5/16" | 9.429 | 7 1/2" | 15/16" | 3 3/4" | 1 21/32" | 54 |
| 26XXH500F | F | 1 - 4" | A2F | 26 | 10.345 | 11 1/16" | 10.225 | 8 1/4" | 15/16" | 3 3/4" | 1 21/32" | 64 |
| 30XXH500J | J | 1 1/2 - 4 1/2" | D2F | 30 | 11.937 | 12 11/16" | 11.817 | 9 7/8" | 1/8" | 4 5/8" | 15/16" | 89 |
| 34XXH500J | J | 1 1/2 - 4 1/2" | D2F | 34 | 13.528 | 14 1/4" | 13.408 | 11 1/4" | 1/8" | 4 5/8" | 1 5/16" | 95 |
| 40XXH500J | J | 1 1/2 - 4 1/2" | D3F | 40 | 15.915 | 16 5/8" | 15.795 | 13 5/8" | 1/8" | 4 5/8" | 1 5/16" | 107 |
| 48XXH500M | M | 2 - 5 1/2" | D3 | 48 | 19.099 | - | 18.979 | 16 13/16" | 1 9/32" | 6 3/4" | 5/16" | 171 |
| 60XXH500M | M | 2 - 5 1/2" | D3 | 60 | 23.873 | - | 23.753 | 21 5/8" | 1 9/32" | 6 3/4" | 5/16" | 186 |
| 72XXH500M | M | 2 - 5 1/2" | D3 | 72 | 28.648 | - | 28.528 | 26 3/8" | 1 9/32" | 6 3/4" | 5/16" | 222 |
| 90XXH500M | M | 2 - 5 1/2" | D3 | 90 | 35.810 | - | 35.690 | 33 1/2" | 1 9/32" | 6 3/4" | 5/16" | 281 |

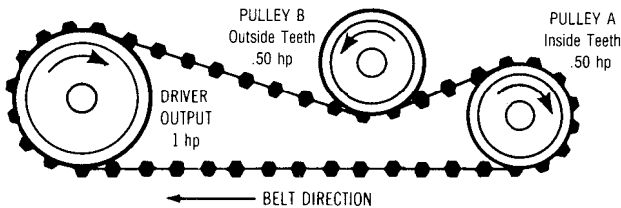
NOTE - Numerals in Type Designations mean: 1 = Solid, 2 = Web, and 3 = Arm Construction; F = Flanged Pulley.

BROWNING® Gearbelt® belts can work just like gears. Double Gearbelt belts with teeth on both sides will give an infinite variety of design solutions for changing shaft rotations and serpentine drives. Their versatility is limited only by the designers' ingenuity.

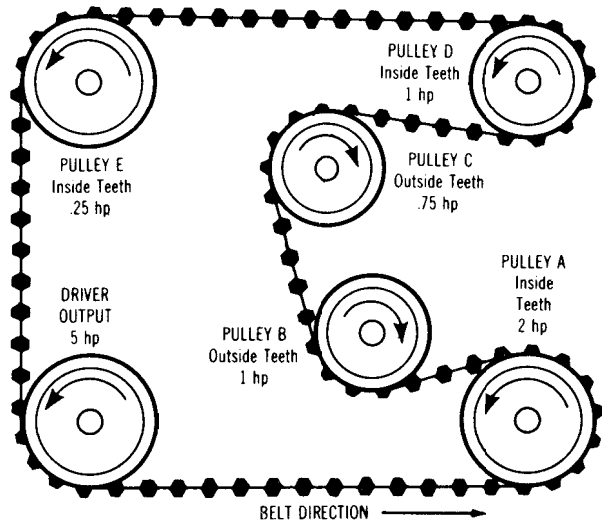
Made with exactly accurate teeth on both sides of the belt, plus low stretch cords, a smooth belt and pulley mesh are maintained through the life of the drive. Resistance to oil, ozone and abrasion helps prolong life and add application possibilities. They will run on all stock Gearbelt® Pulleys.

For design purposes use basic Gearbelt® drive engineering data on pages D-19 to D-22. In determining horsepower capacities two points are important.

1. The outside teeth will carry full horsepower ratings for standard Gearbelt belts.
2. The driven load total of all pulleys in a drive must not exceed the catalog rating for the driver pulley in a specific drive.



For example: assuming the drive pulley and belt are capable of transmitting 1 horsepower; .50 hp can be transmitted from the inside teeth to pulley (A) and .50 hp can be transmitted by the outside teeth to pulley (B) for a total of 1 hp, the rated capacity of the driver pulley



In this example showing one driver pulley and five driven pulleys, a total of 5 horsepower is transmitted by the driver as follows: The inside teeth meshing with pulley (A) transmit 2 hp. The outside (or back side) teeth transmit 1 hp to pulley (B) and .75 hp to pulley (C). Driving with the inside teeth the belt transmits 1 hp to pulley (D) and .25 hp to pulley (E).

STOCK PITCH LENGTH AND WIDTH AVAILABILITY

TABLE No. 1

| 1/8" PITCH BELT NUMBERS | | | | | 1/2" PITCH BELT NUMBERS | | | | |
|-------------------------|--------|--------|--------|-------------------|--|-------|-------|--------|-----------------------|
| D70XL | D130XL | D190XL | D250XL | | D240H | D420H | D600H | D850H | |
| D80XL | D140XL | D200XL | D260XL | | D270H | D450H | D630H | D900H | 5 Standard Widths |
| D90XL | D150XL | D210XL | | 3 Standard Widths | D300H | D480H | D660H | D1000H | 3/4 inch = 075* |
| D100XL | D160XL | D220XL | | 1/4 inch = 025* | D330H | D510H | D700H | D1100H | 1 inch = 100* |
| D110XL | D170XL | D230XL | | 5/16 inch = 031* | D360H | D540H | D750H | D1250H | 1 - 1/2 inches = 150* |
| D120XL | D180XL | D240XL | | 3/8 inch = 037* | D390H | D570H | D800H | D1400H | 2 inches = 200* |
| | | | | | | | | D1700H | 3 inches = 300* |
| 3/8" PITCH BELT NUMBERS | | | | | NOTE - Complete Belt number by adding width suffix, for example, D240H075. *These widths are carried in stock in all lengths shown. *Available on special order in total widths of 25". For example, D240H075 is available in multiples of 33 belts (25" ÷ .75" = 33). | | | | |
| D124L | D240L | D322L | D450L | | | | | | |
| D150L | D255L | D345L | D480L | 3 Standard Widths | | | | | |
| D187L | D270L | D367L | D510L | 1/2 inch = 050* | | | | | |
| D210L | D285L | D390L | D540L | 3/4 inch = 075* | | | | | |
| D225L | D300L | D420L | D600L | 1 inch = 100* | | | | | |

DESIGN AND INSTALLATION SUGGESTIONS

Browning® Gearbelt® Drives can help provide excellent results but will not correct unsatisfactory drive conditions or faulty installations. Experience has shown that most drive requirements are covered by stock pulleys as listed on pages D-3 to D-18 and in pre-calculated drives shown in drive tables on pages D-26 to D-68. Even when drives cannot be selected from these drive tables they are still fairly simple to calculate, install and operate. Do not make them complicated. If you have any trouble making drive selection, refer your problem to the Regal Engineers for prompt service.

Regardless of whether drives can be selected from drive tables or have to be calculated using data from pages D-21-D-25 there are certain precautions to be taken in design and installation.

1. Drives should always be designed with ample horsepower. Use of overload service factors on page D-21 is of paramount importance.
2. Small pulley should not be smaller than shown in table 2, page D-22 and, as a rule, a drive designed to full rated capacity of the belt should not have a pulley diameter less than the width of the belt, even though the pulley is within the acceptable range shown in this table.
3. In order to deliver the rated horsepower a belt must have six or more teeth meshed in the grooves of the small pulley. The number of teeth in mesh, when 5 or less, is shown after each center distance in the drive tables, pages D-26 to D-68 or may be determined by solution of formula on page D-22.
4. Because of a slight side thrust of Gearbelt belts in motion at least one pulley in the drive must be flanged. When the center distance between the shafts is 8 or more times the diameter of the small pulley or when the drive is operating on vertical shafts both pulleys should be flanged.
5. Belt speed should not exceed 6000 feet per minute.

The following precautions should be taken when installing a Gearbelt drive:

1. Gearbelt drives should be installed with a snug fit, neither too tight nor too loose. High initial tension is not necessary but when torque is unusually high a loose belt may "jump grooves." In such case, the tension should be increased gradually until satisfactory operation is attained.
2. Be sure that shafts are parallel and pulleys are in alignment. On a long center drive, because of the tendency for the belt to run against one flange, it is sometimes advisable to offset the driven pulley to compensate.
3. On a long center drive, it is imperative that belt sag is not enough to permit teeth in the slack side to engage the teeth of the tight side.
4. It is important that both driver and driven units are mounted rigidly to prevent variation in belt tension.
5. Although belt tension generally requires little attention after initial installation, provision should be made for some center distance adjustment for ease in installing and removing belt. Do not force belt over flange of pulley.

CAUTION - INSTALL GUARDS ACCORDING TO APPLICABLE LOCAL AND NATIONAL CODES.

See Page D-23 for selection example.

EFFECTIVE BELT WIDTHS

TABLE No. 1

| BELT PITCH | ACTUAL BELT WIDTHS IN INCHES | | | | | | | | | | | | | | | | | | |
|------------|------------------------------|------|-----|-----|-----|-----|------|-------|-------|------|-------|------|------|------|------|-------|-------|-------|-------|
| | 1/4 | 3/16 | 1/8 | 1/2 | 5/8 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 |
| | EFFECTIVE BELT WIDTHS | | | | | | | | | | | | | | | | | | |
| XL | .15 | .21 | .28 | .42 | .57 | .71 | 1.00 | 1.29 | 1.56 | - | - | - | - | - | - | - | - | - | - |
| L | - | - | .28 | .42 | .57 | .71 | 1.00 | 1.29 | 1.56 | 2.14 | 2.72 | 3.36 | - | - | - | - | - | - | - |
| H | - | - | - | .42 | .57 | .71 | 1.00 | 1.29 | 1.56 | 2.14 | 2.72 | 3.36 | 4.76 | 6.16 | 7.50 | 10.32 | - | - | - |
| XH | - | - | - | - | - | - | 1.00 | 1.29 | 1.56 | 2.14 | 2.72 | 3.36 | 4.76 | 6.15 | 7.50 | 10.32 | 13.10 | 15.84 | 18.62 |
| XXH | - | - | - | - | - | - | 1.00 | 1.29 | 1.56 | 2.14 | 2.72 | 3.36 | 4.76 | 6.15 | 7.50 | 10.32 | 13.10 | 15.84 | 18.62 |

Due to the cord location in Gearbelt belts, Horsepower does not vary directly with belt widths. To find horsepower capacity of a belt other than 1" wide, multiply the ratings from page D-24 and D-25 by the Effective Belt Width from the table above.



OVERLOAD SERVICE FACTORS

BASIC SERVICE FACTORS

To find a basic service factor: First, determine the class of the driver (prime mover) in Table 1. Then, determine the basic service factor for the application in Table 3 - in the same class as the driver.

NORMAL RATING

To find the Normal Rating for a drive multiply the driver horsepower by the Basic Service Factor.

TABLE No. 1

Driver (prime mover)

| CLASS OF DRIVER | CLASS I | CLASS II | CLASS III |
|---------------------------------------|-----------|------------------|-------------------|
| Momentary Peak Load, % of Rated Load | 149% | 150 to 249% | 250 to 400% |
| A-C ELECTRONIC MOTORS Single Phase | | | All |
| Squirrel Cage NEMA Design A | | | |
| 3600 rpm | 40 hp up | 1 1/2 thru 30 hp | 1 thru 3 hp |
| 1800 rpm | 100 hp up | 5 thru 75 hp | |
| 1200 rpm | 15 hp up | 3/4 thru 10 hp | |
| 900 rpm | 5 hp up | 1/2 thru 3 hp | |
| NEMA Design B | | | |
| 3600 rpm | | 5 hp up | 1 1/2 thru 3 hp |
| 1800 rpm | | 5 hp up | 1 thru 3 hp |
| 1200 rpm | | 5 hp up | 3/4 thru 3 hp |
| 900 rpm | | 2 hp up | 1/2 thru 1 1/2 hp |
| NEMA Design C | | | |
| 1800 rpm | | 15 hp up | 5 thru 10 hp |
| 1200rpm | | 7 1/2 hp up | 3 and 5 hp |
| 900 rpm | | All | |
| NEMA Design D | | | All |
| NEMA Design F | All | | |
| Wound Rotor | | | |
| 1800 rpm | | 20 hp | 2 to 15 hp |
| 1200 rpm | | 15 hp | 2 to 10 hp |
| 900 rpm | | 7 1/2 hp | 1 to 5 hp |
| Synchronous | | Normal Torque | High Torque |
| D-C ELECTRIC MOTORS | Shunt | Compound | Series |
| ENGINES-Internal Combustion | 8 Cyl. Up | 6 Cyl. | 4Cyl., or less |
| HYDRAULIC MOTORS, LINE SHAFTS | | | All |

TABLE No. 2

Additional service factors For speed-up drives

For speed-up drives, add to the basic service factor the additional factor given at right:

| SPEED-UP RATIO RANGE | ADD'L FACTOR |
|----------------------|--------------|
| 1 to 1.24 | None |
| 1.25 to 1.74 | .10 |
| 1.75 to 2.49 | .20 |
| 2.50 to 3.49 | .30 |
| 3.50 & Over | .40 |

For unusual conditions

For 24-hour continuous operation and/or use of an idler, add 0.2 to basic service factor. For intermittent or seasonal operation, deduct 0.2 from the basic service factor.

Additional service factors are required for unusual conditions such as load reversal, heavy shock, plugged motor stop, electric brake. These should be determined by a transmission specialist.

TABLE No. 3

Basic Service Factors of Driven Machines

| DRIVEN MACHINES | DRIVERS | | | |
|--|--|----------|-----------|-----|
| | CLASS I | CLASS II | CLASS III | |
| Agitators, Mixers (paddle or propeller) | liquid | 1.4 | 1.6 | 1.8 |
| | semiliquid | 1.5 | 1.7 | 1.9 |
| Bakery Machinery, dough mixer | 1.4 | 1.6 | 1.8 | |
| Brick And Clay Machinery augers, mixers, granulators | 1.5 | 1.7 | 1.9 | |
| | pug mills | 1.8 | 2.0 | 2.2 |
| Centrifuges | 1.7 | 1.9 | - | |
| Compressors reciprocating | 2.0 | 2.2 | 2.4 | |
| | centrifugal | 1.6 | 1.7 | 1.8 |
| Conveyors belt light package; oven belt: ore, coal sand apron, bucket, elevator, pan flight, screw | 1.3 | 1.5 | 1.7 | |
| | 1.6 | 1.7 | 1.8 | |
| | 1.7 | 1.8 | 1.9 | |
| | 1.7 | 1.9 | 2.0 | |
| Fans, Blowers centrifugal, induced draft exhausters | 1.6 | 1.8 | 2.0 | |
| | propeller, mine fans, positive blowers | 1.8 | 2.0 | 2.2 |
| Generators and Exciters | 1.6 | 1.8 | 2.0 | |
| Hammer Mills | 1.7 | 1.9 | 2.1 | |
| Hoists, Elevators | 1.6 | 1.8 | 2.0 | |
| Laundry Machinery general extractors, washers | 1.5 | 1.6 | 1.7 | |
| | 1.6 | 1.8 | 2.0 | |
| Line Shafts | 1.5 | 1.7 | 1.9 | |
| Machine Tools drill presses, lathes, screw machines boring mills, grinders milling machines, shapers | 1.4 | 1.6 | 1.8 | |
| | 1.5 | 1.7 | 1.9 | |
| | 1.5 | 1.7 | 1.9 | |
| Mills ball, rod, pebble, etc. | - | 2.2 | 2.5 | |
| Paper Machinery agitators, calendars, dryers beaters, jordans, Nash pumps, pulpers | 1.4 | 1.6 | 1.8 | |
| | 1.7 | 1.9 | 2.1 | |
| Printing machinery presses: newspaper, rotary, embossing, flat bed, magazine; linotype machines; cutters; folders | 1.4 | 1.6 | 1.8 | |
| | 1.4 | 1.6 | 1.8 | |
| Pumps centrifugal, gear, rotary, pipeline reciprocating | 1.5 | 1.7 | 1.9 | |
| | 2.0 | 2.2 | 2.4 | |
| Rubber Plant Machinery | 1.6 | 1.8 | 2.0 | |
| Saw Mill Machinery | 1.6 | 1.8 | 2.0 | |
| Screens vibrating (shakers) drum, conical | 1.5 | 1.7 | - | |
| | 1.4 | 1.5 | - | |
| Textile Machinery looms, spinning frames, twistors warpers, reels | 1.6 | 1.8 | 2.0 | |
| | 1.5 | 1.7 | - | |
| Woodworking Machinery lathes, band saws jointers, circular saws, planers | 1.3 | 1.4 | - | |
| | 1.4 | 1.6 | - | |
| Worm Gear Speed Reducers input side | 1.3 | 1.3 | - | |
| | 1.3 | 1.3 | - | |

Tentative Gearbelt® Drives Pitch Selection Chart

TABLE No. 1

| H.P. | NOMINAL MOTOR SPEED | | | | |
|--------|---------------------|-----------|-----------|-----------|-----------|
| | 3500 | 1750 | 1160 | 870 | 700 |
| 1/12 | XL | XL | XL or L | XL or L | - |
| 1/8 | XL | XL or L | L | L | - |
| 1/6 | XL or L | L | L | L | - |
| 1/4 | XL or L | L | L | L | - |
| 1/3 | L | L | L | L | - |
| 1/2 | L | L | L | L or H | - |
| 3/4 | L | L or H | L or H | L or H | - |
| 1 | L | L or H | L or H | L or H | H |
| 2 | L | L or H | L or H | H | H |
| 3 | L or H | L or H | H | H | H |
| 5 | H | H | H | H | H or XH |
| 7 1/2 | H | H | H | H or XH | H or XH |
| 10 | H | H or XH | H or XH | H or XH | H or XH |
| 15 | H | H or XH | H or XH | H or XH | XH |
| 20 | H | H or XH | H or XH | XH | XH |
| 25 | H or XH | H or XH | XH | XH | XH |
| 30 | H or XH | H or XH | XH | XH | XH or XXH |
| 40 | H or XH | XH | XH | XH or XXH | XH or XXH |
| 50 | H or XH | XH | XH or XXH | XH or XXH | XH or XXH |
| 60 | XH | XH | XH or XXH | XH or XXH | XXH |
| 75 | XH | XH or XXH | XH or XXH | XXH | XXH |
| 100 Up | XH | XH or XXH | XXH | XXH | XXH |

Above table is for tentative pitch selection. Final selection depends on other factors peculiar to specific drive conditions.

TEETH IN MESH

When six or more teeth in a Gearbelt belt are in mesh with the mating pulley, the Gearbelt drive will deliver (at a given speed) its rated horsepower as shown in tables on Pages D-24-D-25. When the number of teeth in mesh (TIM) is 5 or less multiply the horsepower shown in tables on Pages 24 and 25 by the following factor:

| TIM | FACTOR |
|-----|--------|
| 5 | .8 |
| 4 | .6 |
| 3 | .4 |
| 2 | .2 |

The number of teeth in mesh (when 5 or less) is shown after the center distances in the drive tables on Pages E-26-E-67, but the number of teeth in mesh for pulley combinations not shown in the drive tables may be found as follows:

Where D = Pitch Diameter of Large Pulley

d = Pitch Diameter of Small Pulley

C = Center Distance

N = Number of grooves in Small Pulley

$$TIM = \frac{180 - \frac{(D - d)57}{C}}{360} \times N$$

CENTER DISTANCE FORMULAE

Most center distances can be easily obtained from Drive Tables, Pages D-26-D-68, inclusive. If pulley diameters in drive are not shown in combination in Drive Tables, center distance can still be accurately obtained by interpolation.

The following formulae are sufficiently accurate to obtain center distances for the conditions indicated.

C1-Center Distance-Low Ratios and Long Centers.

C2-Center Distance-Medium Ratios and Medium Centers.

C3-Center Distance-High Ratios and Short Centers.

D-Pitch Diameter-Large Pulley.

d-Pitch Diameter-Small Pulley.

L-Pitch Length of Belt.

FORMULA No. 1

For Low Ratios and Long Centers.

$$C1 = \frac{L - 1.57(D + d)}{2}$$

FORMULA No. 2

For Medium Ratios and Medium Centers.

a. Solve Formula No. 1.

b. Solve the following, using "C1" obtained from step "a":

$$C2 = C1 - \frac{(D - d)^2}{8C1}$$

FORMULA No. 3

For High Ratios and Short Centers.

a. Solve Formula No. 1.

b. Solve Formula No. 2.

c. Solve the following, using "C1" obtained from step "a" and "C2" obtained from step "b":

$$C3 = C1 - \frac{(D - d)^2}{8C2}$$

FORMULA No. 4

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

Minimum Pulley Diameters

TABLE NO. 2

| PITCH | R.P.M. | SUGGESTED★ MINIMUM | |
|-------|--------|--------------------|-----------------|
| | | No. GROOVES | PITCH DIAMETERS |
| XL | 3500 | 12 | .764" |
| | 1750 | 11 | .700 |
| | 1160 | 10 | .637 |
| | 870 | 10 | .637 |
| L | 3500 | 16 | 1.910 |
| | 1750 | 14 | 1.671 |
| | 1160 | 12 | 1.432 |
| | 870 | 12 | 1.432 |
| H | 3500 | 20 | 3.183 |
| | 1750 | 18 | 2.865 |
| | 1160 | 16 | 2.546 |
| | 870 | 14 | 2.228 |
| XH | 1750 | 26 | 7.241 |
| | 1160 | 24 | 6.685 |
| | 870 | 22 | 6.127 |
| | 700 | 22 | 6.127 |
| XXH | 1750 | 26 | 10.345 |
| | 1160 | 24 | 9.549 |
| | 870 | 22 | 8.753 |
| | 700 | 22 | 8.753 |

★Smaller pulleys than shown under "Suggested Minimum" may be used if a corresponding reduction in belt life is satisfactory. Use of pulleys smaller than those shown will be at customers' own responsibility for performance and belt life.

EXAMPLE

A drive is desired for a 60 H.P., 870 R.P.M. normal torque squirrel cage motor to drive a Line Shaft at approximately 290 R.P.M. on approximately 48" centers. Motor shaft is 2 7/8" diameter with 3/4" x 3/8" keyseat. Driven shaft is 4" diameter with 1" x 1/2" keyseat. Drive will operate approximately 8 hours per day.

Note - This drive can be selected from Table No 1, Page D-68. A portion of this table has been reproduced below to illustrate the use of drive tables.

1. Determine tentative pitch to use.

From Table No. 1 page D-22 note that "XXH" pitch is recommended.

2. Determine the normal rating of the drive.

Note from Table No.1, Page D-21 that the motor is considered a Class I Driver and from Table No. 3, page D-21, that a line shaft driven by a Class I Driver requires a 1.5 Service Factor.
1.5 x 60 = 90 H.P. Normal Rating.

3. Determine pulley combination to use.

In the table below, under heading "870 R.P.M. Motor", find nominal driven speed nearest 290 which is 290 (3a). Reading to the left, note that the pulley combination is 24 and 72 groove (3b).

4. Check minimum pulley diameter.

Note from Table No. 2, Page D-22 that a 24 groove pulley is above the recommended minimum.

5. Determine belt length and center distance.

Reading to the right of chosen pulley combination under "Nominal Center Distance", find center distance nearest 48" which is 49.1" (5a). Reading upward, note that a "1600XXH" belt is required (5b). This part number must be completed by adding the width later.

6. Check the number of teeth in mesh to see if further horsepower adjustment is necessary.

When horsepower adjustment is necessary because of the smaller number of teeth in mesh, the center distance shown in the drive tables is followed by a small number in a circle. Rechecking this center distance (5a), note that there is no small number, therefore, no further adjustment is necessary.

7. Determine the belt width required.

Divide the normal rating (Step No. 2) by the horsepower per inch of belt width for this pulley combination. Under the "870 R.P.M. Motor" column, note that the H.P. for a one inch wide belt is 14.70 (7a).

$$\frac{90}{14.70} = 6.12 \text{ Effective Belt Width}$$

Note from Table at bottom page D-68 that the next higher Effective Width is 6.15 and the Actual Belt Width is 5". Use 1600XXH500 Belt.

8. List drive components.

- 1, "24XXH500F" x F-2 7/8" Gearbelt® Pulley
- 1, "72XXH500M" x M-4" Gearbelt Pulley
- 1, "1600XXH500" Gearbelt Belt

| NOMINAL RATIO | PULLEY COMBINATION | | | | AVAILABLE BELT WIDTHS | | | | DRIVEN SPEEDS AND HORSEPOWER FOR 1" WIDE BELT | | | | | | NOMINAL CENTER DISTANCES USING BROWNING® GEARBELT BELTS ^{5b} | | | | | | | |
|---------------|--------------------|------------|----------------|------------|-----------------------|----------------|--------------|----------------|---|----------------|----------------|--------|---------------|--------|---|---------|---------|----------|----------|----------|----------|----------|
| | DRIVER | | DRIVEN | | | | | | 1750 RPM MOTOR | | 1160 RPM MOTOR | | 870 RPM MOTOR | | 700 XXH | 800 XXH | 900 XXH | 1000 XXH | 1200 XXH | 1400 XXH | 1600 XXH | 1800 XXH |
| | NUMBER GROOVES | PITCH DIA. | NUMBER GROOVES | PITCH DIA. | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT | | | | | | | | | | | | |
| 1.89 | 18 | 7.162 | 34 | 13.528 | x | x | x | x | 926 | *20.77 | 614 | *14.69 | 461 | *11.26 | 18.5 | 23.5 | 28.6 | 33.6 | 43.6 | 53.7 | 63.7 | 73.7 |
| 2.00 | 20 | 7.958 | 40 | 15.915 | x | x | x | x | 875 | *22.42 | 580 | *16.14 | 435 | *12.43 | 15.8 | 20.9 | 26.0 | 31.0 | 41.1 | 51.1 | 61.1 | 71.1 |
| 2.00 | 24 | 9.549 | 48 | 19.099 | x | x | x | x | 875 | *25.10 | 580 | 18.84 | 435 | 14.69 | - | 16.8 | 22.0 | 27.1 | 37.2 | 47.3 | 57.3 | 67.3 |
| 2.00 | 30 | 11.937 | 60 | 23.873 | x | x | x | x | 875 | 27.21 | 580 | 22.33 | 435 | 17.86 | - | - | - | 21.0 | 31.3 | 41.5 | 51.5 | 61.6 |
| 2.12 | 34 | 13.528 | 72 | 28.648 | x | x | x | x | 826 | - | 548 | 24.23 | 411 | 19.78 | - | - | - | - | 25.8 | 36.1 | 46.3 | 56.4 |
| 2.18 | 22 | 8.754 | 48 | 19.099 | x | x | x | x | 802 | *23.87 | 532 | *17.52 | 399 | 13.58 | - | 17.4 | 22.5 | 27.7 | 37.8 | 47.9 | 57.9 | 67.9 |
| 2.22 | 18 | 7.162 | 40 | 15.915 | x | x | x | x | 788 | *20.77 | 522 | *14.69 | 392 | *11.26 | 16.3 | 21.4 | 26.5 | 31.6 | 41.7 | 51.7 | 61.7 | 71.8 |
| 2.25 | 40 | 15.915 | 90 | 35.810 | x | x | x | x | 778 | - | 516 | 26.28 | 387 | 22.33 | - | - | - | - | - | 27.6 | 38.1 | 48.4 |
| 2.31 | 26 | 10.345 | 60 | 23.873 | x | x | x | x | 758 | 26.08 | 503 | 20.08 | 377 | 15.78 | - | - | - | 22.1 | 32.4 | 42.6 | 52.7 | 62.8 |
| 2.40 | 20 | 7.958 | 48 | 19.099 | x | x | x | x | 729 | *22.42 | 483 | *16.14 | 363 | *12.43 | - | 17.9 | 23.1 | 28.2 | 38.4 | 48.4 | 58.5 | 68.5 |
| 2.40 | 30 | 11.937 | 72 | 28.648 | x | x | x | x | 729 | 27.21 | 483 | 22.33 | 363 | 17.86 | - | - | - | 26.8 | 37.2 | 47.4 | 57.5 | |
| 2.50 | 24 | 9.549 | 60 | 23.873 | x | x | x | x | 700 | *25.10 | 464 | 18.84 | 348 | 14.69 | - | - | 22.6 | 33.0 | 43.2 | 53.3 | 63.4 | |
| 2.65 | 34 | 13.528 | 90 | 35.810 | x | x | x | x | 661 | - | 438 | 24.23 | 329 | 19.78 | - | - | - | - | - | 29.2 | 39.3 | 49.4 |
| 2.67 | 18 | 7.162 | 48 | 19.099 | x | x | x | x | 656 | *20.77 | 435 | *14.69 | 326 | 11.26 | - | 18.4 | 23.6 | 28.8 | 38.9 | 49.0 | 59.1 | 69.1 |
| 2.73 | 22 | 8.754 | 60 | 23.873 | x | x | x | x | 642 | *23.87 | 425 | *17.52 | 316 | 13.58 | - | 17.8 | 23.2 | 33.5 | 43.7 | 53.9 | 63.9 | |
| 2.77 | 26 | 10.345 | 72 | 28.648 | x | x | x | x | 632 | 26.08 | 419 | 20.08 | 314 | 15.78 | - | - | - | 27.9 | 38.3 | 48.5 | 58.7 | |
| 3.00 | 20 | 7.958 | 60 | 23.873 | x | x | x | x | 583 | *22.42 | 387 | *16.14 | 290 | *12.43 | - | - | 18.3 | 23.7 | 34.1 | 44.3 | 54.4 | |
| 3.00 | 24 | 9.549 | 72 | 28.648 | x | x | x | x | 583 | *25.10 | 387 | 18.84 | 290 | 14.69 | - | - | - | 28.4 | 38.8 | 49.1 | 59.2 | |
| 3.00 | 30 | 11.937 | 90 | 35.810 | x | x | x | x | 583 | 27.21 | 387 | 22.33 | 290 | 17.86 | - | - | - | - | 30.2 | 40.5 | 50.7 | |
| 3.27 | 22 | 8.754 | 72 | 28.648 | x | x | x | x | 535 | *23.87 | 354 | *17.52 | 266 | 13.58 | - | - | - | 28.9 | 39.4 | 49.6 | 59.8 | |
| 3.33 | 18 | 7.162 | 60 | 23.873 | x | x | x | x | 525 | *20.77 | 348 | *14.69 | 261 | *11.26 | - | - | 18.8 | 24.2 | 34.6 | 44.9 | 55.0 | |
| 3.46 | 26 | 10.345 | 90 | 35.810 | x | x | x | x | 506 | 26.08 | 335 | 20.08 | 251 | 15.78 | - | - | - | - | 31.2 | 41.8 | 52.2 | |
| 3.60 | 20 | 7.958 | 72 | 28.648 | x | x | x | x | 486 | *22.42 | 322 | *16.14 | 242 | *12.43 | - | - | - | 29.5 | 39.9 | 50.2 | 60.4 | |
| 3.75 | 24 | 9.549 | 90 | 35.810 | x | x | x | x | 467 | *25.10 | 309 | 18.84 | 232 | 14.69 | - | - | - | - | 31.7 | 42.4 | 52.8 | |
| 4.00 | 18 | 7.162 | 72 | 28.648 | x | x | x | x | 438 | *20.77 | 290 | *14.69 | 218 | *11.26 | - | - | - | 30.0 | 40.5 | 50.8 | 60.9 | |
| 4.09 | 22 | 8.754 | 90 | 35.810 | x | x | x | x | 428 | *23.87 | 284 | *17.52 | 213 | 13.58 | - | - | - | - | 32.2 | 42.9 | 53.3 | |
| 4.50 | 20 | 7.958 | 90 | 35.810 | x | x | x | x | 389 | *22.42 | 258 | *16.14 | 193 | *12.43 | - | - | - | - | 32.7 | 43.4 | 53.8 | |
| 5.00 | 18 | 7.162 | 90 | 35.810 | x | x | x | x | 350 | *20.77 | 232 | *14.69 | 174 | *11.26 | - | - | - | - | 33.2 | 43.9 | 54.4 | |

*This rating is for a pulley below the minimum recommended on page D-22 and, therefore, a reduction in belt life should be expected.

HORSEPOWER FOR ONE INCH WIDE BELT
TABLE No. 1 "XL", 1/5" PITCH GEARBELT®

| R.P.M OF SMALLER PULLEY | NUMBER OF GROOVES IN SMALLER PULLEY | | | | | | | | | | | | |
|-------------------------|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 10 | 11 | 12 | 14 | 15 | 16 | 18 | 20 | 21 | 22 | 24 | 28 | 30 |
| 870 | .17 | .19 | .21 | .25 | .26 | .29 | .32 | .36 | .38 | .39 | .43 | .49 | .53 |
| 1160 | .23 | .26 | .28 | .33 | .36 | .38 | .42 | .46 | .50 | .52 | .56 | .66 | .71 |
| 1750 | .36 | .39 | .43 | .50 | .53 | .58 | .64 | .72 | .75 | .79 | .86 | 1.00 | 1.07 |
| 3500 | .72 | .79 | .86 | 1.00 | 1.07 | 1.15 | 1.28 | 1.42 | 1.49 | 1.57 | 1.71 | 1.98 | 2.11 |
| 200 | .04 | .04 | .05 | .06 | .06 | .07 | .07 | .08 | .08 | .09 | .10 | .11 | .12 |
| 400 | .08 | .09 | .10 | .11 | .12 | .13 | .14 | .16 | .17 | .17 | .19 | .23 | .24 |
| 600 | .12 | .13 | .14 | .17 | .18 | .19 | .22 | .24 | .26 | .27 | .29 | .34 | .37 |
| 800 | .16 | .17 | .19 | .23 | .24 | .26 | .30 | .33 | .34 | .36 | .40 | .46 | .49 |
| 1000 | .20 | .22 | .24 | .29 | .31 | .33 | .37 | .41 | .43 | .45 | .49 | .57 | .62 |
| 1200 | .24 | .27 | .29 | .34 | .37 | .39 | .44 | .49 | .52 | .54 | .59 | .68 | .74 |
| 1400 | .28 | .31 | .34 | .40 | .43 | .46 | .52 | .57 | .60 | .63 | .69 | .80 | .86 |
| 1600 | .33 | .36 | .40 | .46 | .49 | .53 | .59 | .65 | .69 | .72 | .79 | .91 | .98 |
| 1800 | .37 | .40 | .44 | .51 | .55 | .59 | .66 | .74 | .77 | .81 | .88 | 1.03 | 1.10 |
| 2000 | .41 | .45 | .49 | .57 | .62 | .65 | .74 | .82 | .86 | .90 | .98 | 1.15 | 1.23 |
| 2200 | .45 | .49 | .54 | .63 | .68 | .72 | .81 | .90 | .94 | .99 | 1.08 | 1.25 | 1.34 |
| 2400 | .49 | .54 | .59 | .68 | .74 | .79 | .88 | .98 | 1.03 | 1.07 | 1.18 | 1.37 | 1.46 |
| 2600 | .53 | .58 | .64 | .74 | .80 | .85 | .96 | 1.06 | 1.12 | 1.17 | 1.25 | 1.48 | 1.58 |
| 2800 | .57 | .63 | .69 | .80 | .86 | .92 | 1.03 | 1.15 | 1.20 | 1.26 | 1.37 | 1.59 | 1.71 |
| 3000 | .61 | .67 | .74 | .86 | .92 | .98 | 1.10 | 1.23 | 1.28 | 1.34 | 1.46 | 1.71 | 1.82 |
| 3200 | .65 | .72 | .79 | .91 | .98 | 1.05 | 1.18 | 1.30 | 1.37 | 1.43 | 1.56 | 1.81 | 1.94 |
| 3400 | .69 | .77 | .83 | .97 | 1.04 | 1.11 | 1.25 | 1.38 | 1.45 | 1.52 | 1.66 | 1.92 | 2.05 |
| 3600 | .74 | .81 | .88 | 1.03 | 1.10 | 1.18 | 1.32 | 1.46 | 1.54 | 1.61 | 1.75 | 2.03 | 2.16 |
| 3800 | .78 | .83 | .93 | 1.09 | 1.17 | 1.24 | 1.39 | 1.54 | 1.62 | 1.70 | 1.84 | 2.13 | 2.27 |
| 4000 | .82 | .90 | .98 | 1.15 | 1.23 | 1.30 | 1.46 | 1.63 | 1.71 | 1.78 | 1.94 | 2.24 | 2.39 |
| 4200 | .86 | .94 | 1.03 | 1.20 | 1.28 | 1.37 | 1.53 | 1.71 | 1.78 | 1.86 | 2.03 | 2.35 | 2.50 |
| 4400 | .90 | .99 | 1.08 | 1.25 | 1.34 | 1.43 | 1.61 | 1.78 | 1.86 | 1.95 | 2.12 | 2.45 | 2.61 |
| 4600 | .94 | 1.03 | 1.13 | 1.31 | 1.40 | 1.50 | 1.68 | 1.86 | 1.95 | 2.04 | 2.21 | 2.55 | 2.71 |
| 4800 | .98 | 1.07 | 1.18 | 1.37 | 1.46 | 1.56 | 1.75 | 1.94 | 2.03 | 2.13 | 2.30 | 2.65 | 2.82 |
| 5000 | 1.02 | 1.12 | 1.23 | 1.42 | 1.52 | 1.63 | 1.82 | 2.01 | 2.11 | 2.20 | 2.39 | 2.75 | 2.92 |
| 5500 | - | - | - | - | 1.67 | 1.78 | 2.00 | 2.20 | 2.30 | 2.41 | 2.61 | 2.99 | 3.18 |
| 6000 | - | - | - | - | 1.82 | 1.94 | 2.16 | 2.39 | 2.50 | 2.61 | 2.82 | 3.23 | 3.41 |
| 6500 | - | - | - | - | 1.96 | 2.09 | 2.34 | 2.57 | 2.69 | 2.80 | 3.03 | 3.42 | 3.64 |
| 7000 | - | - | - | - | 2.11 | 2.24 | 2.50 | 2.75 | 2.87 | 2.99 | 3.23 | 3.65 | 3.84 |
| 7500 | - | - | - | - | 2.25 | 2.39 | 2.66 | 2.92 | 3.05 | 3.18 | 3.41 | 3.84 | 4.03 |
| 8000 | - | - | - | - | - | - | 2.82 | 3.10 | 3.23 | 3.34 | 3.59 | 4.02 | 4.21 |
| 8500 | - | - | - | - | - | - | 2.97 | 3.26 | 3.39 | 3.52 | 3.76 | 4.19 | 4.37 |
| 9000 | - | - | - | - | - | - | 3.13 | 3.41 | 3.55 | 3.68 | 3.92 | 4.34 | 4.51 |
| 9500 | - | - | - | - | - | - | 3.28 | 3.56 | 3.70 | 3.83 | 4.07 | 4.47 | 4.63 |
| 10000 | - | - | - | - | - | - | 3.41 | 3.71 | 3.84 | 3.97 | 4.21 | 4.59 | 4.72 |

HORSEPOWER FOR ONE INCH WIDE BELT
TABLE No. 2 "L", 3/8" PITCH GEARBELT BELTS

| R.P.M OF SMALLER PULLEY | NUMBER OF GROOVES IN SMALLER PULLEY | | | | | | | | | | | | | | | |
|-------------------------|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 36 | 40 | 44 | 48 |
| 870 | .45 | .54 | .63 | .73 | .82 | .91 | 1.00 | 1.08 | 1.17 | 1.26 | 1.35 | 1.44 | 1.61 | 1.79 | 1.96 | 2.14 |
| 1160 | .60 | .72 | .85 | .97 | 1.08 | 1.20 | 1.32 | 1.44 | 1.56 | 1.67 | 1.79 | 1.91 | 2.14 | 2.36 | 2.59 | 2.81 |
| 1750 | .91 | 1.09 | 1.27 | 1.45 | 1.62 | 1.80 | 1.98 | 2.15 | 2.32 | 2.49 | 2.66 | 2.83 | 3.15 | 3.47 | 3.77 | 4.06 |
| 3500 | 1.80 | 2.15 | 2.49 | 2.83 | 3.15 | 3.46 | 3.77 | 4.06 | 4.35 | 4.61 | 4.86 | 5.10 | 5.52 | 5.87 | 6.12 | 6.27 |
| 200 | .10 | .13 | .15 | .17 | .19 | .21 | .23 | .25 | .27 | .29 | .31 | .33 | .38 | .42 | .46 | .50 |
| 400 | .21 | .25 | .29 | .33 | .38 | .42 | .46 | .50 | .54 | .58 | .62 | .67 | .75 | .83 | .92 | 1.00 |
| 600 | .31 | .37 | .44 | .50 | .56 | .63 | .69 | .75 | .81 | .87 | .94 | 1.00 | 1.12 | 1.24 | 1.36 | 1.49 |
| 800 | .42 | .50 | .58 | .67 | .75 | .83 | .92 | 1.00 | 1.08 | 1.16 | 1.24 | 1.32 | 1.49 | 1.65 | 1.81 | 1.97 |
| 1000 | .52 | .62 | .73 | .83 | .94 | 1.04 | 1.14 | 1.24 | 1.34 | 1.45 | 1.55 | 1.65 | 1.85 | 2.05 | 2.25 | 2.44 |
| 1200 | .63 | .75 | .88 | 1.00 | 1.12 | 1.24 | 1.36 | 1.49 | 1.61 | 1.73 | 1.85 | 1.97 | 2.21 | 2.44 | 2.67 | 2.90 |
| 1400 | .73 | .87 | 1.02 | 1.16 | 1.30 | 1.45 | 1.59 | 1.73 | 1.87 | 2.01 | 2.15 | 2.29 | 2.56 | 2.82 | 3.09 | 3.34 |
| 1600 | .83 | 1.00 | 1.16 | 1.32 | 1.49 | 1.65 | 1.81 | 1.97 | 2.13 | 2.28 | 2.44 | 2.60 | 2.90 | 3.20 | 3.48 | 3.76 |
| 1800 | .93 | 1.12 | 1.30 | 1.49 | 1.67 | 1.85 | 2.03 | 2.21 | 2.38 | 2.56 | 2.73 | 2.90 | 3.23 | 3.55 | 3.86 | 4.16 |
| 2000 | 1.04 | 1.24 | 1.45 | 1.65 | 1.85 | 2.05 | 2.25 | 2.44 | 2.63 | 2.82 | 3.01 | 3.19 | 3.56 | 3.89 | 4.23 | 4.54 |
| 2200 | 1.14 | 1.36 | 1.59 | 1.81 | 2.03 | 2.25 | 2.46 | 2.67 | 2.88 | 3.08 | 3.28 | 3.49 | 3.86 | 4.23 | 4.57 | 4.89 |
| 2400 | 1.24 | 1.49 | 1.73 | 1.97 | 2.21 | 2.44 | 2.67 | 2.90 | 3.12 | 3.34 | 3.56 | 3.76 | 4.17 | 4.54 | 4.89 | 5.21 |
| 2600 | 1.35 | 1.61 | 1.87 | 2.13 | 2.38 | 2.63 | 2.88 | 3.12 | 3.36 | 3.59 | 3.81 | 4.03 | 4.44 | 4.83 | 5.17 | 5.48 |
| 2800 | 1.45 | 1.73 | 2.01 | 2.29 | 2.56 | 2.82 | 3.09 | 3.34 | 3.59 | 3.83 | 4.06 | 4.29 | 4.71 | 5.10 | 5.44 | 5.73 |
| 3000 | 1.55 | 1.85 | 2.15 | 2.44 | 2.73 | 3.01 | 3.29 | 3.55 | 3.81 | 4.06 | 4.30 | 4.54 | 4.97 | 5.35 | 5.68 | 5.94 |
| 3200 | 1.65 | 1.97 | 2.28 | 2.60 | 2.90 | 3.19 | 3.48 | 3.76 | 4.03 | 4.29 | 4.54 | 4.77 | 5.20 | 5.57 | 5.88 | 6.11 |
| 3400 | 1.75 | 2.09 | 2.42 | 2.75 | 3.07 | 3.37 | 3.67 | 3.97 | 4.24 | 4.50 | 4.76 | 4.99 | 5.42 | 5.78 | 6.05 | 6.23 |
| 3600 | 1.85 | 2.21 | 2.55 | 2.90 | 3.23 | 3.55 | 3.86 | 4.16 | 4.45 | 4.72 | 4.97 | 5.21 | 5.61 | 5.95 | 6.18 | 6.31 |
| 3800 | - | - | 2.69 | 3.03 | 3.40 | 3.73 | 4.05 | 4.35 | 4.64 | 4.91 | 5.16 | 5.40 | 5.79 | 6.09 | 6.27 | 6.33 |
| 4000 | - | - | 2.83 | 3.20 | 3.56 | 3.89 | 4.23 | 4.54 | 4.83 | 5.10 | 5.34 | 5.57 | 5.94 | 6.21 | 6.33 | - |
| 4200 | - | - | - | 3.34 | 3.72 | 4.06 | 4.40 | 4.72 | 5.01 | 5.28 | 5.52 | 5.74 | 6.08 | 6.28 | 6.35 | - |
| 4400 | - | - | - | 3.49 | 3.86 | 4.22 | 4.57 | 4.89 | 5.19 | 5.44 | 5.68 | 5.88 | 6.18 | 6.33 | - | - |
| 4600 | - | - | - | 3.63 | 4.01 | 4.38 | 4.73 | 5.05 | 5.34 | 5.59 | 5.82 | 6.01 | 6.26 | 6.35 | - | - |
| 4800 | - | - | - | 3.77 | 4.17 | 4.54 | 4.89 | 5.20 | 5.48 | 5.73 | 5.94 | 6.12 | 6.31 | - | - | - |
| 5000 | - | - | - | 3.91 | 4.31 | 4.68 | 5.04 | 5.35 | 5.63 | 5.86 | 6.06 | 6.20 | 6.34 | - | - | - |
| 5200 | - | - | - | 4.03 | 4.45 | 4.82 | 5.18 | 5.48 | 5.76 | 5.98 | 6.15 | 6.27 | 6.34 | - | - | - |
| 5400 | - | - | - | 4.17 | 4.59 | 4.96 | 5.31 | 5.61 | 5.88 | 6.07 | 6.23 | 6.32 | 6.34 | - | - | - |
| 5600 | - | - | - | 4.29 | 4.72 | 5.09 | 5.44 | 5.73 | 5.98 | 6.16 | 6.28 | 6.34 | - | - | - | - |
| 5800 | - | - | - | 4.42 | 4.84 | 5.22 | 5.57 | 5.84 | 6.07 | 6.23 | 6.32 | 6.34 | - | - | - | - |
| 6000 | - | - | - | 4.55 | 4.97 | 5.34 | 5.68 | 5.93 | 6.15 | 6.28 | 6.35 | 6.33 | - | - | - | - |

1. Ratings shown are for 1" wide belts; for other widths multiply by the Effective Belt Widths from Table No. 1, Page D-20
 2. Ratings below heavy line are for pulleys below the Minimum Recommended Standard and reduction in belt life may be expected.
 3. Ratings shown are for belt speeds of 6000 feet per minute or less. Drives which require higher belt speeds should be referred to the Regal Engineers.

TABLE No. 1 HORSEPOWER FOR ONE INCH WIDE BELT - "H", 1/2" PITCH GEARBELT® BELT

| R.P.M. OF SMALLER PULLEY | NUMBER OF GROOVES IN SMALLER PULLEY | | | | | | | | | | | | | | | | |
|--------------------------|-------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 14 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 24 | 26 | 28 | 30 | 32 | 36 | 40 | 44 | 48 |
| 870 | 2.15 | 2.46 | 2.61 | 2.76 | 2.91 | 3.07 | 3.22 | 3.37 | 3.68 | 3.98 | 4.28 | 4.58 | 4.89 | 5.49 | 6.08 | 6.67 | 7.26 |
| 1160 | 2.86 | 3.27 | 3.47 | 3.68 | 3.88 | 4.08 | 4.28 | 4.48 | 4.89 | 5.28 | 5.68 | 6.08 | 6.48 | 7.26 | 8.03 | 8.80 | 9.55 |
| 1750 | 4.31 | 4.91 | 5.22 | 5.52 | 5.81 | 6.11 | 6.41 | 6.71 | 7.30 | 7.88 | 8.46 | 9.03 | 9.60 | 10.71 | 11.79 | 12.84 | 13.84 |
| 3500 | 8.46 | 9.60 | 10.16 | 10.71 | 11.24 | 11.77 | 12.31 | 12.84 | 13.82 | 14.80 | 15.74 | 16.59 | 17.40 | 18.89 | 20.08 | - | - |
| 200 | .50 | .57 | .60 | .64 | .67 | .71 | .74 | .78 | .85 | .92 | .99 | 1.06 | 1.13 | 1.27 | 1.41 | 1.56 | 1.70 |
| 400 | .99 | 1.13 | 1.20 | 1.27 | 1.34 | 1.41 | 1.49 | 1.56 | 1.70 | 1.84 | 1.98 | 2.12 | 2.26 | 2.54 | 2.82 | 3.10 | 3.38 |
| 600 | 1.49 | 1.70 | 1.80 | 1.91 | 2.02 | 2.12 | 2.23 | 2.33 | 2.54 | 2.75 | 2.96 | 3.17 | 3.38 | 3.80 | 4.22 | 4.64 | 5.05 |
| 800 | 1.98 | 2.26 | 2.40 | 2.54 | 2.68 | 2.82 | 2.96 | 3.10 | 3.38 | 3.66 | 3.94 | 4.22 | 4.50 | 5.05 | 5.60 | 6.15 | 6.69 |
| 1000 | 2.47 | 2.82 | 3.00 | 3.17 | 3.35 | 3.52 | 3.70 | 3.87 | 4.22 | 4.57 | 4.91 | 5.26 | 5.60 | 6.29 | 6.96 | 7.63 | 8.30 |
| 1200 | 2.96 | 3.38 | 3.59 | 3.80 | 4.01 | 4.22 | 4.43 | 4.64 | 5.05 | 5.46 | 5.88 | 6.29 | 6.69 | 7.50 | 8.30 | 9.08 | 9.86 |
| 1400 | 3.45 | 3.94 | 4.19 | 4.43 | 4.67 | 4.91 | 5.15 | 5.39 | 5.87 | 6.35 | 6.83 | 7.30 | 7.77 | 8.69 | 9.60 | 10.49 | 11.36 |
| 1600 | 3.94 | 4.50 | 4.78 | 5.05 | 5.33 | 5.60 | 5.87 | 6.15 | 6.69 | 7.23 | 7.77 | 8.30 | 8.82 | 9.86 | 10.87 | 11.85 | 12.80 |
| 1800 | 4.43 | 5.05 | 5.36 | 5.67 | 5.98 | 6.28 | 6.59 | 6.89 | 7.50 | 8.10 | 8.69 | 9.28 | 9.86 | 10.99 | 12.09 | 13.15 | 14.18 |
| 2000 | 4.91 | 5.60 | 5.95 | 6.28 | 6.62 | 6.96 | 7.30 | 7.63 | 8.29 | 8.95 | 9.60 | 10.24 | 10.87 | 12.10 | 13.27 | 14.40 | 15.46 |
| 2200 | 5.39 | 6.15 | 6.52 | 6.89 | 7.26 | 7.63 | 8.00 | 8.36 | 9.08 | 9.79 | 10.49 | 11.18 | 11.85 | 13.16 | 14.40 | 15.57 | 16.66 |
| 2400 | 5.87 | 6.69 | 7.10 | 7.50 | 7.90 | 8.29 | 8.69 | 9.08 | 9.85 | 10.62 | 11.37 | 12.09 | 12.80 | 14.18 | 15.46 | 16.66 | 17.76 |
| 2600 | 6.35 | 7.23 | 7.67 | 8.10 | 8.52 | 8.95 | 9.37 | 9.79 | 10.61 | 11.42 | 12.22 | 12.98 | 13.72 | 15.16 | 16.47 | 17.67 | 18.75 |
| 2800 | 6.83 | 7.77 | 8.23 | 8.69 | 9.14 | 9.59 | 10.04 | 10.49 | 11.35 | 12.21 | 13.05 | 13.84 | 14.61 | 16.09 | 17.41 | 18.60 | 19.63 |
| 3000 | 7.30 | 8.30 | 8.79 | 9.28 | 9.75 | 10.23 | 10.70 | 11.18 | 12.08 | 12.98 | 13.85 | 14.67 | 15.46 | 16.96 | 18.27 | 19.42 | 20.38 |
| 3200 | 7.77 | 8.82 | 9.34 | 9.85 | 10.36 | 10.85 | 11.35 | 11.85 | 12.79 | 13.72 | 14.63 | 15.46 | 16.27 | 17.78 | 19.06 | 20.14 | - |
| 3400 | 8.23 | 9.34 | 9.89 | 10.43 | 10.95 | 11.47 | 11.99 | 12.51 | 13.48 | 14.45 | 15.37 | 16.22 | 17.03 | 18.53 | 19.76 | - | - |
| 3600 | 8.69 | 9.86 | 10.43 | 10.99 | 11.55 | 12.07 | 12.62 | 13.16 | 14.16 | 15.15 | 16.09 | 16.95 | 17.75 | 19.22 | 20.37 | - | - |
| 3800 | - | - | - | - | - | 12.67 | 13.23 | 13.79 | 14.81 | 15.82 | 16.78 | 17.63 | 18.42 | 19.85 | - | - | - |
| 4000 | - | - | - | - | - | 13.24 | 13.82 | 14.40 | 15.44 | 16.46 | 17.43 | 18.27 | 19.04 | - | - | - | - |
| 4400 | - | - | - | - | - | 14.36 | 14.97 | 15.57 | 16.63 | 17.67 | 18.62 | 19.42 | 20.12 | - | - | - | - |
| 4800 | - | - | - | - | - | 15.42 | 16.05 | 16.67 | 17.71 | 18.74 | 19.66 | - | - | - | - | - | - |
| 5200 | - | - | - | - | - | 16.41 | 17.05 | 17.69 | 18.69 | 19.68 | - | - | - | - | - | - | - |
| 5600 | - | - | - | - | - | 17.34 | 17.98 | 18.61 | 19.55 | - | - | - | - | - | - | - | - |
| 6000 | - | - | - | - | - | 18.19 | 18.82 | 19.44 | 20.27 | - | - | - | - | - | - | - | - |

TABLE No. 2 HORSEPOWER FOR ONE INCH WIDE BELT - "XH", 7/8" PITCH GEARBELT® BELT

| R.P.M. OF SMALLER PULLEY | NUMBER OF GROOVES IN SMALLER PULLEY | | | | | | | | | |
|--------------------------|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 36 | 40 |
| 700 | 5.27 | 5.84 | 6.42 | 6.98 | 7.54 | 8.10 | 8.66 | 9.21 | 10.28 | 11.35 |
| 870 | 6.52 | 7.23 | 7.92 | 8.61 | 9.29 | 9.97 | 10.63 | 11.29 | 12.54 | 13.79 |
| 1160 | 8.61 | 9.51 | 10.41 | 11.29 | 12.13 | 12.97 | 13.79 | 14.57 | 16.01 | 17.44 |
| 1750 | 12.62 | 13.85 | 15.03 | 16.14 | 17.17 | 18.16 | 19.06 | 19.87 | 21.05 | 22.22 |
| 200 | 1.51 | 1.68 | 1.85 | 2.02 | 2.19 | 2.36 | 2.52 | 2.69 | 3.03 | 3.37 |
| 400 | 3.03 | 3.37 | 3.70 | 4.03 | 4.37 | 4.70 | 5.02 | 5.36 | 6.01 | 6.66 |
| 600 | 4.53 | 5.02 | 5.52 | 6.00 | 6.47 | 6.98 | 7.47 | 7.95 | 8.89 | 9.82 |
| 800 | 6.00 | 6.66 | 7.31 | 7.95 | 8.59 | 9.21 | 9.83 | 10.44 | 11.62 | 12.80 |
| 1000 | 7.47 | 8.26 | 9.05 | 9.82 | 10.59 | 11.35 | 12.08 | 12.80 | 14.15 | 15.51 |
| 1200 | 8.90 | 9.83 | 10.75 | 11.64 | 12.51 | 13.37 | 14.29 | 14.99 | 16.44 | 17.89 |
| 1400 | 10.89 | 11.35 | 12.37 | 13.37 | 14.32 | 15.25 | 16.14 | 16.98 | 18.43 | 19.87 |
| 1600 | 11.64 | 12.80 | 13.92 | 14.99 | 16.01 | 16.98 | 17.14 | 18.82 | 20.12 | 21.42 |
| 1800 | 13.18 | 14.18 | 15.37 | 16.51 | 17.56 | 18.53 | 19.42 | 20.22 | 21.29 | 22.35 |
| 2000 | 14.18 | 15.51 | 16.74 | 17.89 | 18.94 | 19.87 | 20.71 | 21.42 | 22.13 | 22.84 |
| 2200 | 15.37 | 16.74 | 18.00 | 19.43 | 20.14 | 21.01 | 21.72 | 22.27 | 22.44 | - |
| 2400 | 16.51 | 17.89 | 19.13 | 20.22 | 21.14 | 21.88 | 22.42 | 22.75 | - | - |
| 2600 | 17.56 | 18.94 | 20.14 | 21.14 | 21.94 | 22.49 | 22.80 | - | - | - |
| 2800 | 18.53 | 19.87 | 21.01 | 21.89 | 22.49 | 22.81 | - | - | - | - |
| 3000 | 19.42 | 20.71 | 21.72 | 22.42 | 22.80 | - | - | - | - | - |
| 3200 | 20.22 | 21.42 | 22.27 | 22.75 | - | - | - | - | - | - |
| 3600 | 21.54 | 22.42 | 22.82 | - | - | - | - | - | - | - |

TABLE No. 3 HORSEPOWER FOR ONE INCH WIDE BELT - "XXH", 1 1/4" PITCH GEARBELT® BELT

| R.P.M. OF SMALLER PULLEY | NUMBER OF GROOVES IN SMALLER PULLEY | | | | | | | |
|--------------------------|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| | 18 | 20 | 22 | 24 | 26 | 30 | 34 | 40 |
| 700 | 9.15 | 10.13 | 11.09 | 12.03 | 12.96 | 14.77 | 16.51 | 18.93 |
| 870 | 11.26 | 12.43 | 13.58 | 14.70 | 15.79 | 17.86 | 19.78 | 22.34 |
| 1160 | 14.70 | 16.14 | 17.52 | 18.84 | 20.01 | 22.34 | 24.23 | 26.29 |
| 1750 | 20.77 | 22.43 | 23.88 | 25.11 | 26.08 | 27.22 | - | - |
| 200 | 2.66 | 2.95 | 3.24 | 3.54 | 3.84 | 4.42 | 5.00 | 5.87 |
| 400 | 5.29 | 5.87 | 6.44 | 7.02 | 7.60 | 8.73 | 9.85 | 11.49 |
| 600 | 7.88 | 8.73 | 9.57 | 10.40 | 11.22 | 12.83 | 14.39 | 16.62 |
| 800 | 10.40 | 11.49 | 12.56 | 13.62 | 14.64 | 16.62 | 18.49 | 21.02 |
| 1000 | 12.83 | 14.14 | 15.40 | 16.26 | 17.80 | 20.01 | 21.98 | 24.44 |
| 1200 | 15.55 | 16.62 | 18.03 | 19.37 | 20.62 | 22.86 | 24.71 | 26.62 |
| 1400 | 17.33 | 18.93 | 20.41 | 21.79 | 23.03 | 25.10 | 26.54 | 27.33 |
| 1600 | 19.36 | 21.02 | 25.52 | 23.84 | 24.98 | 26.62 | 27.32 | - |
| 1800 | 21.21 | 22.87 | 24.29 | 25.47 | 26.38 | 27.31 | - | - |
| 2000 | 22.86 | 24.44 | 25.70 | 26.62 | 27.18 | - | - | - |
| 2200 | 24.28 | 25.70 | 26.69 | 27.24 | 27.31 | - | - | - |
| 2400 | 25.46 | 26.62 | 27.24 | 27.28 | - | - | - | - |

1. Ratings shown are for 1" wide belts; for other widths multiply by the Effective Belt Widths from Table No. 1, Page D-20
 2. Ratings below heavy line are for pulleys below the Minimum Recommended Standard and a reduction in belt life may be expected.
 3. Ratings shown are for belt speeds of 6000 feet per minute or less. Drives which require higher belt speeds should be referred to Regal.

TABLE No.1

1/5" PITCH DRIVE TABLE

| NOMI- NAL RATIO | PULLEY COMBINATION | | | | AVAIL- ABLE BELT WIDTHS | | DRIVEN SPEEDS AND HORSEPOWER FOR 1" WIDE BELT | | | | | | NOMINAL CENTER DISTANCES USING BROWNING® GEARBELT® BELTS | | | | |
|-----------------------|--------------------|---------------|-------------------|---------------|----------------------------------|----------------------|--|----------------------|-------------------|----------------------|-------------------|-----|---|------------------|------------------|------------------|------------------|
| | DRIVER | | DRIVEN | | | | 3500 RPM MOTOR | | 1750 RPM MOTOR | | 1160 RPM MOTOR | | 60 XL | 70 XL | 80 XL | 90 XL | 100 XL |
| | NUMBER GROOVES | PITCH DIA. | NUMBER GROOVES | PITCH DIA. | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT | | | | | | | |
| 1.00 | 10 | .637 | 10 | .637 | x | x | 3500 | *.72 | 1750 | *.36 | 1160 | .24 | 2.0 ^⑤ | 2.5 ^⑤ | 3.0 ^⑤ | 3.5 ^⑤ | 4.0 ^⑤ |
| 1.00 | 11 | .700 | 11 | .700 | x | x | 3500 | *.79 | 1750 | .40 | 1160 | .26 | 1.9 ^⑤ | 2.4 ^⑤ | 2.9 ^⑤ | 3.4 ^⑤ | 3.9 ^⑤ |
| 1.00 | 12 | .764 | 12 | .764 | x | x | 3500 | .87 | 1750 | .43 | 1160 | .29 | 1.8 | 2.3 | 2.8 | 3.3 | 3.8 |
| 1.00 | 14 | .891 | 14 | .891 | x | x | 3500 | 1.01 | 1750 | .51 | 1160 | .34 | 1.6 | 2.1 | 2.6 | 3.1 | 3.6 |
| 1.00 | 15 | .955 | 15 | .955 | x | x | 3500 | 1.08 | 1750 | .54 | 1160 | .36 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 |
| 1.00 | 16 | 1.019 | 16 | 1.019 | x | x | 3500 | 1.15 | 1750 | .58 | 1160 | .38 | 1.4 | 1.9 | 2.4 | 2.9 | 3.4 |
| 1.00 | 18 | 1.146 | 18 | 1.146 | x | x | 3500 | 1.29 | 1750 | .65 | 1160 | .43 | - | 1.7 | 2.2 | 2.7 | 3.2 |
| 1.00 | 20 | 1.273 | 20 | 1.273 | x | x | 3500 | 1.43 | 1750 | .72 | 1160 | .48 | - | 1.5 | 2.0 | 2.5 | 3.0 |
| 1.00 | 21 | 1.337 | 21 | 1.337 | x | x | 3500 | 1.50 | 1750 | .76 | 1160 | .50 | - | - | 1.9 | 2.4 | 2.9 |
| 1.00 | 22 | 1.401 | 22 | 1.401 | x | x | 3500 | 1.57 | 1750 | .79 | 1160 | .53 | - | - | 1.8 | 2.3 | 2.8 |
| 1.00 | 24 | 1.528 | 24 | 1.528 | x | x | 3500 | 1.71 | 1750 | .87 | 1160 | .58 | - | - | - | 2.1 | 2.6 |
| 1.00 | 28 | 1.783 | 28 | 1.783 | x | x | 3500 | 1.98 | 1750 | 1.01 | 1160 | .67 | - | - | - | - | 2.2 |
| 1.00 | 30 | 1.910 | 30 | 1.910 | x | x | 3500 | 2.11 | 1750 | 1.08 | 1160 | .72 | - | - | - | - | - |
| 1.05 | 20 | 1.273 | 21 | 1.337 | x | x | 3333 | 1.43 | 1667 | .72 | 1105 | .48 | - | - | 2.0 | 2.5 | 3.0 |
| 1.05 | 21 | 1.337 | 22 | 1.401 | x | x | 3341 | 1.50 | 1670 | .76 | 1107 | .50 | - | - | 1.9 | 2.4 | 2.9 |
| 1.07 | 14 | .891 | 15 | .955 | x | x | 3267 | 1.01 | 1633 | .51 | 1083 | .34 | 1.6 | 2.1 | 2.6 | 3.1 | 3.6 |
| 1.07 | 15 | .955 | 16 | 1.019 | x | x | 3281 | 1.08 | 1641 | .54 | 1088 | .36 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 |
| 1.07 | 28 | 1.783 | 30 | 1.910 | x | x | 3267 | 1.98 | 1633 | 1.01 | 1083 | .67 | - | - | - | - | 2.1 |
| 1.07 | 30 | 1.910 | 32 | 2.037 | x | x | 3281 | 2.11 | 1641 | 1.08 | 1088 | .72 | - | - | - | - | - |
| 1.09 | 11 | .700 | 12 | .764 | x | x | 3208 | *.79 | 1604 | .40 | 1063 | .26 | 1.9 ^⑤ | 2.4 ^⑤ | 2.9 ^⑤ | 3.4 ^⑤ | 3.9 ^⑤ |
| 1.09 | 22 | 1.401 | 24 | 1.528 | x | x | 3208 | 1.57 | 1604 | .79 | 1063 | .53 | - | - | 1.7 | 2.2 | 2.7 |
| 1.10 | 10 | .637 | 11 | .700 | x | x | 3182 | *.72 | 1591 | *.36 | 1055 | .24 | 2.0 ^④ | 2.5 ^④ | 3.0 ^④ | 3.5 ^④ | 4.0 ^④ |
| 1.10 | 20 | 1.273 | 22 | 1.401 | x | x | 3182 | 1.43 | 1591 | .72 | 1055 | .48 | - | - | 1.9 | 2.4 | 2.9 |
| 1.11 | 18 | 1.146 | 20 | 1.273 | x | x | 3150 | 1.29 | 1575 | .65 | 1044 | .43 | - | 1.6 | 2.1 | 2.6 | 3.1 |
| 1.13 | 16 | 1.019 | 18 | 1.146 | x | x | 3111 | 1.15 | 1556 | .58 | 1031 | .38 | 1.3 | 1.8 | 2.3 | 2.8 | 3.3 |
| 1.14 | 14 | .891 | 16 | 1.019 | x | x | 3063 | 1.01 | 1531 | .51 | 1015 | .34 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 |
| 1.14 | 21 | 1.337 | 24 | 1.528 | x | x | 3063 | 1.50 | 1531 | .76 | 1015 | .50 | - | - | 1.7 | 2.2 | 2.7 |
| 1.14 | 28 | 1.783 | 32 | 2.037 | x | x | 3063 | 1.98 | 1531 | 1.01 | 1015 | .67 | - | - | - | - | - |
| 1.17 | 12 | .764 | 14 | .891 | x | x | 3000 | .87 | 1500 | .43 | 994 | .29 | 1.7 ^⑤ | 2.2 ^⑤ | 2.7 ^⑤ | 3.2 ^⑤ | 3.7 ^⑤ |
| 1.17 | 18 | 1.146 | 21 | 1.337 | x | x | 3000 | 1.29 | 1500 | .65 | 994 | .43 | - | 1.5 | 2.0 | 2.5 | 3.0 |
| 1.17 | 24 | 1.528 | 28 | 1.783 | x | x | 3000 | 1.71 | 1500 | .87 | 994 | .58 | - | - | - | 1.9 | 2.4 |
| 1.20 | 10 | .637 | 12 | .764 | x | x | 2917 | *.72 | 1458 | *.36 | 967 | .24 | 1.9 ^④ | 2.4 ^④ | 2.9 ^④ | 3.4 ^④ | 3.9 ^④ |
| 1.20 | 15 | .955 | 18 | 1.146 | x | x | 2917 | 1.08 | 1458 | .54 | 967 | .36 | 1.3 | 1.8 | 2.3 | 2.8 | 3.3 |
| 1.20 | 20 | 1.273 | 24 | 1.528 | x | x | 2917 | 1.43 | 1458 | .72 | 967 | .48 | - | - | 1.8 | 2.3 | 2.8 |
| 1.20 | 30 | 1.910 | 36 | 2.292 | x | x | 2917 | 2.11 | 1458 | 1.08 | 967 | .72 | - | - | - | - | - |
| 1.22 | 18 | 1.146 | 22 | 1.401 | x | x | 2864 | 1.29 | 1432 | .65 | 949 | .43 | - | 1.5 | 2.0 | 2.5 | 3.0 |
| 1.25 | 12 | .764 | 15 | .955 | x | x | 2800 | .87 | 1400 | .43 | 928 | .29 | 1.6 ^⑤ | 2.1 ^⑤ | 2.6 ^⑤ | 3.1 ^⑤ | 3.6 ^⑤ |
| 1.25 | 16 | 1.019 | 20 | 1.273 | x | x | 2800 | 1.15 | 1400 | .58 | 928 | .38 | - | 1.7 | 2.2 | 2.7 | 3.2 |
| 1.25 | 24 | 1.528 | 30 | 1.910 | x | x | 2800 | 1.71 | 1400 | .87 | 928 | .58 | - | - | - | - | 2.3 |
| 1.27 | 11 | .700 | 14 | .891 | x | x | 2750 | *.79 | 1375 | .40 | 911 | .26 | 1.7 ^⑤ | 2.2 ^⑤ | 2.7 ^⑤ | 3.2 ^⑤ | 3.7 ^⑤ |
| 1.27 | 22 | 1.401 | 28 | 1.783 | x | x | 2750 | 1.57 | 1375 | .79 | 911 | .53 | - | - | - | 2.0 | 2.5 |
| 1.29 | 14 | .891 | 18 | 1.146 | x | x | 2722 | 1.01 | 1361 | .51 | 902 | .34 | 1.4 | 1.9 | 2.4 | 2.9 | 3.4 |
| 1.29 | 28 | 1.783 | 36 | 2.292 | x | x | 2722 | 1.98 | 1361 | 1.01 | 902 | .67 | - | - | - | - | - |
| 1.31 | 16 | 1.019 | 21 | 1.337 | x | x | 2667 | 1.15 | 1333 | .58 | 884 | .38 | - | 1.6 | 2.1 | 2.6 | 3.1 |
| 1.33 | 12 | .764 | 16 | 1.019 | x | x | 2625 | .87 | 1313 | .43 | 870 | .29 | 1.6 ^⑤ | 2.1 ^⑤ | 2.6 ^⑤ | 3.1 ^⑤ | 3.6 ^⑤ |
| 1.33 | 15 | .955 | 20 | 1.273 | x | x | 2625 | 1.08 | 1313 | .54 | 870 | .36 | - | 1.7 | 2.2 | 2.7 | 3.2 |
| 1.33 | 18 | 1.146 | 24 | 1.528 | x | x | 2625 | 1.29 | 1313 | .65 | 870 | .43 | - | - | 1.9 | 2.4 | 2.9 |
| 1.33 | 21 | 1.337 | 28 | 1.783 | x | x | 2625 | 1.50 | 1313 | .76 | 870 | .50 | - | - | - | 2.0 | 2.5 |
| 1.33 | 24 | 1.528 | 32 | 2.037 | x | x | 2625 | 1.71 | 1313 | .87 | 870 | .58 | - | - | - | - | 2.2 |
| 1.33 | 30 | 1.910 | 40 | 2.546 | x | x | 2625 | 2.11 | 1313 | 1.08 | 870 | .72 | - | - | - | - | - |
| 1.36 | 11 | .700 | 15 | .955 | x | x | 2567 | *.79 | 1283 | .40 | 851 | .26 | 1.7 ^⑤ | 2.2 ^⑤ | 2.7 ^⑤ | 3.2 ^⑤ | 3.7 ^⑤ |
| 1.36 | 22 | 1.401 | 30 | 1.910 | x | x | 2567 | 1.57 | 1283 | .79 | 851 | .53 | - | - | - | 1.9 | 2.4 |
| 1.38 | 16 | 1.019 | 22 | 1.401 | x | x | 2545 | 1.15 | 1273 | .58 | 844 | .38 | - | 1.6 | 2.1 | 2.6 | 3.1 |
| 1.40 | 10 | .637 | 14 | .891 | x | x | 2500 | *.72 | 1250 | *.36 | 829 | .24 | 1.8 ^④ | 2.3 ^④ | 2.8 ^④ | 3.3 ^④ | 3.8 ^④ |
| 1.40 | 15 | .955 | 21 | 1.337 | x | x | 2500 | 1.08 | 1250 | .54 | 829 | .36 | - | 1.7 | 2.2 | 2.7 | 3.2 |
| 1.40 | 20 | 1.273 | 28 | 1.783 | x | x | 2500 | 1.43 | 1250 | .72 | 829 | .48 | - | - | - | 2.1 | 2.6 |
| 1.40 | 30 | 1.910 | 42 | 2.674 | x | x | 2500 | 2.11 | 1250 | 1.08 | 829 | .72 | - | - | - | - | - |
| 1.43 | 14 | .891 | 20 | 1.273 | x | x | 2450 | 1.01 | 1225 | .51 | 812 | .34 | 1.3 | 1.8 | 2.3 | 2.8 | 3.3 |
| 1.43 | 21 | 1.337 | 30 | 1.910 | x | x | 2450 | 1.50 | 1225 | .76 | 812 | .50 | - | - | - | 1.9 | 2.4 |
| 1.43 | 28 | 1.783 | 40 | 2.546 | x | x | 2450 | 1.98 | 1225 | 1.01 | 812 | .67 | - | - | - | - | - |
| 1.45 | 11 | .700 | 16 | 1.019 | x | x | 2406 | *.79 | 1203 | .40 | 798 | .26 | 1.6 ^⑤ | 2.1 ^⑤ | 2.6 ^⑤ | 3.1 ^⑤ | 3.6 ^⑤ |
| 1.45 | 22 | 1.401 | 32 | 2.037 | x | x | 2406 | 1.57 | 1203 | .79 | 798 | .53 | - | - | - | - | 2.3 |
| 1.47 | 15 | .955 | 22 | 1.401 | x | x | 2386 | 1.08 | 1193 | .54 | 791 | .36 | - | 1.6 | 2.1 | 2.6 | 3.1 |
| 1.47 | 30 | 1.910 | 44 | 2.801 | x | x | 2386 | 2.11 | 1193 | 1.08 | 791 | .72 | - | - | - | - | - |
| 1.50 | 10 | .637 | 15 | .955 | x | x | 2333 | *.72 | 1167 | *.36 | 773 | .24 | 1.7 ^④ | 2.2 ^④ | 2.7 ^④ | 3.2 ^④ | 3.7 ^④ |

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page D-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

| EFFECTIVE BELT WIDTH..... | .15" | .21" | .28" | .42" | .57" | .71" | 1.00" | 1.29" | 1.56" |
|---------------------------|------|------|------|------|------|------|-------|-------|-------|
| ACTUAL BELT WIDTH..... | 1/4 | 5/16 | 3/8 | 1/2 | 5/8 | 3/4 | 1 | 1 1/4 | 1 1/2 |

*This rating is for a pulley below the minimum recommended on page D-22 and, therefore, a reduction in belt life should be expected.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

| TEETH IN MESH | FACTOR |
|---------------|--------|
| ⑤ | .80 |
| ④ | .60 |
| ③ | .40 |

TABLE No.1

1/5" PITCH DRIVE TABLE

| NOMINAL RATIO | PULLEY COMBINATION | | | | AVAILABLE BELT WIDTHS | | DRIVEN SPEEDS AND HORSEPOWER FOR 1" WIDE BELT | | | | | | NOMINAL CENTER DISTANCES USING BROWNING® GEARBELT® BELTS | | | | |
|---------------|--------------------|------------|----------------|------------|-----------------------|---|---|----------------|----------------|----------------|----------------|----------------|--|-------|-------|-------|--------|
| | DRIVER | | DRIVEN | | | | 3500 RPM MOTOR | | 1750 RPM MOTOR | | 1160 RPM MOTOR | | 60 XL | 70 XL | 80 XL | 90 XL | 100 XL |
| | NUMBER GROOVES | PITCH DIA. | NUMBER GROOVES | PITCH DIA. | | | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT | | | | | |
| 1.50 | 12 | .764 | 18 | 1.146 | x | x | 2333 | .87 | 1167 | .43 | 773 | .29 | 1.5 ⑤ | 2.0 ⑤ | 2.5 ⑤ | 3.0 ⑤ | 3.5 ⑤ |
| 1.50 | 14 | .891 | 21 | 1.337 | x | x | 2333 | 1.01 | 1167 | .51 | 773 | .34 | - | 1.7 | 2.2 | 2.7 | 3.2 |
| 1.50 | 16 | 1.019 | 24 | 1.528 | x | x | 2333 | 1.15 | 1167 | .58 | 773 | .38 | - | 1.5 | 2.0 | 2.5 | 3.0 |
| 1.50 | 20 | 1.273 | 30 | 1.910 | x | x | 2333 | 1.43 | 1167 | .72 | 773 | .48 | - | - | - | 2.0 | 2.5 |
| 1.50 | 24 | 1.528 | 36 | 2.292 | x | x | 2333 | 1.71 | 1167 | .87 | 773 | .58 | - | - | - | - | - |
| 1.50 | 28 | 1.783 | 42 | 2.674 | x | x | 2333 | 1.98 | 1167 | 1.01 | 773 | .67 | - | - | - | - | - |
| 1.52 | 21 | 1.337 | 32 | 2.037 | x | x | 2297 | 1.50 | 1148 | .76 | 761 | .50 | - | - | - | - | 2.3 |
| 1.56 | 18 | 1.146 | 28 | 1.783 | x | x | 2250 | 1.29 | 1125 | .65 | 746 | .43 | - | - | 1.7 | 2.2 | 2.7 |
| 1.57 | 14 | .891 | 22 | 1.401 | x | x | 2227 | 1.01 | 1114 | .51 | 738 | .34 | - | 1.7 | 2.2 | 2.7 | 3.2 |
| 1.57 | 28 | 1.783 | 44 | 2.801 | x | x | 2227 | 1.98 | 1114 | 1.01 | 738 | .67 | - | - | - | - | - |
| 1.60 | 10 | .637 | 16 | 1.019 | x | x | 2188 | *.72 | 1094 | *.36 | 725 | .24 | 1.7 ④ | 2.2 ④ | 2.7 ④ | 3.2 ④ | 3.7 ④ |
| 1.60 | 15 | .955 | 24 | 1.528 | x | x | 2188 | 1.08 | 1094 | .54 | 725 | .36 | - | 1.5 | 2.0 | 2.5 | 3.0 |
| 1.60 | 20 | 1.273 | 32 | 2.037 | x | x | 2188 | 1.43 | 1094 | .72 | 725 | .48 | - | - | - | 1.9 | 2.4 |
| 1.60 | 30 | 1.910 | 48 | 3.056 | x | x | 2188 | 2.11 | 1094 | 1.08 | 725 | .72 | - | - | - | - | - |
| 1.64 | 11 | .700 | 18 | 1.146 | x | x | 2139 | *.79 | 1069 | .40 | 709 | .26 | 1.5 ④ | 2.0 ⑤ | 2.5 ⑤ | 3.0 ⑤ | 3.5 ⑤ |
| 1.64 | 22 | 1.401 | 36 | 2.292 | x | x | 2139 | 1.57 | 1069 | .79 | 709 | .53 | - | - | - | - | 2.1 |
| 1.67 | 12 | .764 | 20 | 1.273 | x | x | 2100 | .87 | 1050 | .43 | 696 | .29 | 1.4 ⑤ | 1.9 ⑤ | 2.4 ⑤ | 2.9 ⑤ | 3.4 ⑤ |
| 1.67 | 18 | 1.146 | 30 | 1.910 | x | x | 2100 | 1.29 | 1050 | .65 | 696 | .43 | - | - | - | 2.1 | 2.6 |
| 1.67 | 24 | 1.528 | 40 | 2.546 | x | x | 2100 | 1.71 | 1050 | .87 | 696 | .58 | - | - | - | - | - |
| 1.71 | 14 | .891 | 24 | 1.528 | x | x | 2042 | 1.01 | 1021 | .51 | 677 | .34 | - | 1.6 | 2.1 | 2.6 | 3.1 |
| 1.71 | 21 | 1.337 | 36 | 2.292 | x | x | 2042 | 1.50 | 1021 | .76 | 677 | .50 | - | - | - | - | 2.1 |
| 1.71 | 28 | 1.783 | 48 | 3.056 | x | x | 2042 | 1.98 | 1021 | 1.01 | 677 | .67 | - | - | - | - | - |
| 1.75 | 12 | .764 | 21 | 1.337 | x | x | 2000 | .87 | 1000 | .43 | 663 | .29 | 1.3 ⑤ | 1.8 ⑤ | 2.3 ⑤ | 2.8 ⑤ | 3.3 ⑤ |
| 1.75 | 16 | 1.019 | 28 | 1.783 | x | x | 2000 | 1.15 | 1000 | .58 | 663 | .38 | - | - | 1.8 | 2.3 | 2.8 |
| 1.75 | 24 | 1.528 | 42 | 2.674 | x | x | 2000 | 1.71 | 1000 | .87 | 663 | .58 | - | - | - | - | - |
| 1.78 | 18 | 1.146 | 32 | 2.037 | x | x | 1969 | 1.29 | 984 | .65 | 653 | .43 | - | - | - | 2.0 | 2.5 |
| 1.80 | 10 | .637 | 18 | 1.146 | x | x | 1944 | *.72 | 972 | *.36 | 644 | .24 | 1.6 ④ | 2.1 ④ | 2.6 ④ | 3.1 ④ | 3.6 ④ |
| 1.80 | 20 | 1.273 | 36 | 2.292 | x | x | 1944 | 1.43 | 972 | .72 | 644 | .48 | - | - | - | - | 2.1 |
| 1.82 | 11 | .700 | 20 | 1.273 | x | x | 1925 | *.79 | 963 | .40 | 638 | .26 | 1.4 ④ | 1.9 ④ | 2.4 ⑤ | 2.9 ⑤ | 3.4 ⑤ |
| 1.82 | 22 | 1.401 | 40 | 2.546 | x | x | 1925 | 1.57 | 963 | .79 | 638 | .53 | - | - | - | - | - |
| 1.83 | 12 | .764 | 22 | 1.401 | x | x | 1909 | .87 | 955 | .43 | 633 | .29 | - | 1.8 ⑤ | 2.3 ⑤ | 2.8 ⑤ | 3.3 ⑤ |
| 1.83 | 24 | 1.528 | 44 | 2.801 | x | x | 1909 | 1.71 | 955 | .87 | 633 | .58 | - | - | - | - | - |
| 1.87 | 15 | .955 | 28 | 1.783 | x | x | 1875 | 1.08 | 938 | .54 | 621 | .36 | - | - | 1.8 | 2.3 | 2.8 |
| 1.88 | 16 | 1.019 | 30 | 1.910 | x | x | 1867 | 1.15 | 933 | .58 | 619 | .38 | - | - | - | 2.2 | 2.7 |
| 1.90 | 21 | 1.337 | 40 | 2.546 | x | x | 1838 | 1.50 | 919 | .76 | 609 | .50 | - | - | - | - | - |
| 1.91 | 11 | .700 | 21 | 1.337 | x | x | 1833 | *.79 | 917 | .40 | 608 | .26 | 1.4 ④ | 1.9 ④ | 2.4 ⑤ | 2.9 ⑤ | 3.4 ⑤ |
| 1.91 | 22 | 1.401 | 42 | 2.674 | x | x | 1833 | 1.57 | 917 | .79 | 608 | .53 | - | - | - | - | - |
| 2.00 | 10 | .637 | 20 | 1.273 | x | x | 1750 | *.72 | 875 | *.36 | 580 | .24 | 1.5 ④ | 2.0 ④ | 2.5 ④ | 3.0 ④ | 3.5 ④ |
| 2.00 | 11 | .700 | 22 | 1.401 | x | x | 1750 | *.79 | 875 | .40 | 580 | .26 | 1.3 ④ | 1.8 ④ | 2.3 ④ | 2.8 ④ | 3.3 ④ |
| 2.00 | 12 | .764 | 24 | 1.528 | x | x | 1750 | .87 | 875 | .43 | 580 | .29 | - | 1.7 ⑤ | 2.2 ⑤ | 2.7 ⑤ | 3.2 ⑤ |
| 2.00 | 14 | .891 | 28 | 1.783 | x | x | 1750 | 1.01 | 875 | .51 | 580 | .34 | - | - | 1.8 ⑤ | 2.4 | 2.9 |
| 2.00 | 15 | .955 | 30 | 1.910 | x | x | 1750 | 1.08 | 875 | .54 | 580 | .36 | - | - | 1.7 | 2.2 | 2.7 |
| 2.00 | 16 | 1.019 | 32 | 2.037 | x | x | 1750 | 1.15 | 875 | .58 | 580 | .38 | - | - | - | 2.0 | 2.6 |
| 2.00 | 18 | 1.146 | 36 | 2.292 | x | x | 1750 | 1.29 | 875 | .65 | 580 | .43 | - | - | - | - | 2.2 |
| 2.00 | 20 | 1.273 | 40 | 2.546 | x | x | 1750 | 1.43 | 875 | .72 | 580 | .48 | - | - | - | - | - |
| 2.00 | 21 | 1.337 | 42 | 2.674 | x | x | 1750 | 1.50 | 875 | .76 | 580 | .50 | - | - | - | - | - |
| 2.00 | 22 | 1.401 | 44 | 2.801 | x | x | 1750 | 1.57 | 875 | .79 | 580 | .53 | - | - | - | - | - |
| 2.00 | 24 | 1.528 | 48 | 3.056 | x | x | 1750 | 1.71 | 875 | .87 | 580 | .58 | - | - | - | - | - |
| 2.00 | 30 | 1.910 | 60 | 3.820 | x | x | 1750 | 2.11 | 875 | 1.08 | 580 | .72 | - | - | - | - | - |
| 2.10 | 10 | .637 | 21 | 1.337 | x | x | 1667 | *.72 | 833 | *.36 | 552 | .24 | 1.4 ④ | 1.9 ④ | 2.4 ④ | 2.9 ④ | 3.4 ④ |
| 2.10 | 20 | 1.273 | 42 | 2.674 | x | x | 1667 | 1.43 | 833 | .72 | 552 | .48 | - | - | - | - | - |
| 2.10 | 21 | 1.337 | 44 | 2.801 | x | x | 1670 | 1.50 | 835 | .76 | 554 | .50 | - | - | - | - | - |
| 2.13 | 15 | .955 | 32 | 2.037 | x | x | 1641 | 1.08 | 820 | .54 | 544 | .36 | - | - | - | 2.1 | 2.6 |
| 2.14 | 14 | .891 | 30 | 1.910 | x | x | 1633 | 1.01 | 817 | .51 | 541 | .34 | - | - | 1.7 ⑤ | 2.2 ⑤ | 2.8 |
| 2.14 | 28 | 1.783 | 60 | 3.820 | x | x | 1633 | 1.98 | 817 | 1.01 | 541 | .67 | - | - | - | - | - |
| 2.18 | 11 | .700 | 24 | 1.528 | x | x | 1604 | *.79 | 802 | .40 | 532 | .26 | - | 1.7 ④ | 2.2 ④ | 2.7 ④ | 3.2 ⑤ |
| 2.18 | 22 | 1.401 | 48 | 3.056 | x | x | 1604 | 1.57 | 802 | .79 | 532 | .53 | - | - | - | - | - |
| 2.20 | 10 | .637 | 22 | 1.401 | x | x | 1591 | *.72 | 795 | *.36 | 527 | .24 | 1.3 ④ | 1.9 ④ | 2.4 ④ | 2.9 ④ | 3.4 ④ |
| 2.20 | 20 | 1.273 | 44 | 2.801 | x | x | 1591 | 1.43 | 795 | .72 | 527 | .48 | - | - | - | - | - |
| 2.22 | 18 | 1.146 | 40 | 2.546 | x | x | 1575 | 1.29 | 788 | .65 | 522 | .43 | - | - | - | - | - |
| 2.25 | 16 | 1.019 | 36 | 2.292 | x | x | 1556 | 1.15 | 778 | .58 | 516 | .38 | - | - | - | - | 2.3 |
| 2.29 | 14 | .891 | 32 | 2.037 | x | x | 1531 | 1.01 | 766 | .51 | 508 | .34 | - | - | - | 2.1 ⑤ | 2.6 |
| 2.29 | 21 | 1.337 | 48 | 3.056 | x | x | 1531 | 1.50 | 766 | .76 | 508 | .50 | - | - | - | - | - |
| 2.33 | 12 | .764 | 28 | 1.783 | x | x | 1500 | .87 | 750 | .43 | 497 | .29 | - | - | 1.9 ④ | 2.4 ⑤ | 3.0 ⑤ |
| 2.33 | 18 | 1.146 | 42 | 2.674 | x | x | 1500 | 1.29 | 750 | .65 | 497 | .43 | - | - | - | - | - |

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page D-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

| EFFECTIVE BELT WIDTH..... | .15" | .21" | .28" | .42" | .57" | .71" | 1.00" | 1.29" | 1.56" |
|---------------------------|------|------|------|------|------|------|-------|-------|-------|
| ACTUAL BELT WIDTH..... | 1/4 | 5/16 | 3/8 | 1/2 | 5/8 | 3/4 | 1 | 1 1/4 | 1 1/2 |

*This rating is for a pulley below the minimum recommended on page D-22 and, therefore, a reduction in belt life should be expected.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

| TEETH IN MESH | FACTOR |
|---------------|--------|
| ⑤ | .80 |
| ④ | .60 |
| ③ | .40 |

TABLE No.1

1/5" PITCH DRIVE TABLE

| NOMINAL RATIO | PULLEY COMBINATION | | | | AVAILABLE BELT WIDTHS | | DRIVEN SPEEDS AND HORSEPOWER FOR 1" WIDE BELT | | | | | | NOMINAL CENTER DISTANCES USING BROWNING® GEARBELT® BELTS | | | | | | |
|---------------|--------------------|------------|----------------|------------|-----------------------|----------------|---|----------------|----------------|----------------|----------------|-----|--|-------|-------|-------|--------|-------|-------|
| | DRIVER | | DRIVEN | | | | 3500 RPM MOTOR | | 1750 RPM MOTOR | | 1160 RPM MOTOR | | 60 XL | 70 XL | 80 XL | 90 XL | 100 XL | | |
| | NUMBER GROOVES | PITCH DIA. | NUMBER GROOVES | PITCH DIA. | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT | | | | | | | | | |
| 2.40 | 10 | .637 | 24 | 1.528 | x | x | 1458 | *.72 | 729 | *.36 | 483 | .24 | - | - | - | - | - | - | - |
| 2.40 | 15 | .955 | 36 | 2.292 | x | x | 1458 | 1.08 | 729 | .54 | 483 | .36 | - | - | 1.7 ④ | 2.3 ④ | 2.8 ④ | 3.3 ④ | 2.4 |
| 2.40 | 20 | 1.273 | 48 | 3.056 | x | x | 1458 | 1.43 | 729 | .72 | 483 | .48 | - | - | - | - | - | - | - |
| 2.40 | 30 | 1.910 | 72 | 4.584 | x | x | 1458 | 2.11 | 729 | 1.08 | 483 | .72 | - | - | - | - | - | - | - |
| 2.44 | 18 | 1.146 | 44 | 2.801 | x | x | 1432 | 1.29 | 716 | .65 | 475 | .43 | - | - | - | - | - | - | - |
| 2.50 | 12 | .764 | 30 | 1.910 | x | x | 1400 | .87 | 700 | .43 | 464 | .29 | - | - | - | - | - | - | - |
| 2.50 | 16 | 1.019 | 40 | 2.546 | x | x | 1400 | 1.15 | 700 | .58 | 464 | .38 | - | - | - | - | 1.8 ④ | 2.3 ⑤ | 2.8 ⑤ |
| 2.50 | 24 | 1.528 | 60 | 3.820 | x | x | 1400 | 1.71 | 700 | .87 | 464 | .58 | - | - | - | - | - | - | 2.1 |
| 2.55 | 11 | .700 | 28 | 1.783 | x | x | 1375 | *.79 | 688 | .40 | 456 | .26 | - | - | 1.5 ④ | 2.0 ④ | 2.5 ④ | 3.0 ④ | - |
| 2.57 | 14 | .891 | 36 | 2.292 | x | x | 1361 | 1.01 | 681 | .51 | 451 | .34 | - | - | - | - | - | - | 2.4 ⑤ |
| 2.57 | 28 | 1.783 | 72 | 4.584 | x | x | 1361 | 1.98 | 681 | 1.01 | 451 | .67 | - | - | - | - | - | - | - |
| 2.63 | 16 | 1.019 | 42 | 2.674 | x | x | 1333 | 1.15 | 667 | .58 | 442 | .38 | - | - | - | - | - | - | - |
| 2.67 | 12 | .764 | 32 | 2.037 | x | x | 1313 | .87 | 656 | .43 | 435 | .29 | - | - | - | - | 1.7 ④ | 2.2 ④ | 2.7 ⑤ |
| 2.67 | 15 | .955 | 40 | 2.546 | x | x | 1313 | 1.08 | 656 | .54 | 435 | .36 | - | - | - | - | - | - | 2.1 ⑤ |
| 2.67 | 18 | 1.146 | 48 | 3.056 | x | x | 1313 | 1.29 | 656 | .65 | 435 | .43 | - | - | - | - | - | - | - |
| 2.73 | 11 | .700 | 30 | 1.910 | x | x | 1283 | *.79 | 642 | .40 | 425 | .26 | - | - | - | - | 1.9 ④ | 2.4 ④ | 2.9 ④ |
| 2.73 | 22 | 1.401 | 60 | 3.820 | x | x | 1283 | 1.57 | 642 | .79 | 425 | .53 | - | - | - | - | - | - | - |
| 2.75 | 16 | 1.019 | 44 | 2.801 | x | x | 1273 | 1.15 | 636 | .58 | 422 | .38 | - | - | - | - | - | - | - |
| 2.80 | 10 | .637 | 28 | 1.783 | x | x | 1250 | *.72 | 625 | *.36 | 414 | .24 | - | - | 1.5 ③ | 2.0 ④ | 2.5 ④ | 3.0 ④ | - |
| 2.80 | 15 | .955 | 42 | 2.674 | x | x | 1250 | 1.08 | 625 | .54 | 414 | .36 | - | - | - | - | - | - | - |
| 2.86 | 14 | .891 | 40 | 2.546 | x | x | 1225 | 1.01 | 613 | .51 | 406 | .34 | - | - | - | - | - | - | 2.1 ⑤ |
| 2.86 | 21 | 1.337 | 60 | 3.820 | x | x | 1225 | 1.50 | 613 | .76 | 406 | .50 | - | - | - | - | - | - | - |
| 2.91 | 11 | .700 | 32 | 2.037 | x | x | 1203 | *.79 | 602 | .40 | 399 | .26 | - | - | - | - | 1.7 ④ | 2.3 ④ | 2.8 ④ |
| 2.93 | 15 | .955 | 44 | 2.801 | x | x | 1193 | 1.08 | 597 | .54 | 395 | .36 | - | - | - | - | - | - | - |
| 3.00 | 10 | .637 | 30 | 1.910 | x | x | 1167 | *.72 | 583 | *.36 | 387 | .24 | - | - | - | - | 1.9 ③ | 2.4 ④ | 2.9 ④ |
| 3.00 | 12 | .764 | 36 | 2.292 | x | x | 1167 | .87 | 583 | .43 | 387 | .29 | - | - | - | - | - | - | - |
| 3.00 | 14 | .891 | 42 | 2.674 | x | x | 1167 | 1.01 | 583 | .51 | 387 | .34 | - | - | - | - | - | - | 2.0 ④ |
| 3.00 | 16 | 1.019 | 48 | 3.056 | x | x | 1167 | 1.15 | 583 | .58 | 387 | .38 | - | - | - | - | - | - | 2.0 ⑤ |
| 3.00 | 20 | 1.273 | 60 | 3.820 | x | x | 1167 | 1.43 | 583 | .72 | 387 | .48 | - | - | - | - | - | - | - |
| 3.00 | 24 | 1.528 | 72 | 4.584 | x | x | 1167 | 1.71 | 583 | .87 | 387 | .58 | - | - | - | - | - | - | - |
| 3.14 | 14 | .891 | 44 | 2.801 | x | x | 1114 | 1.01 | 557 | .51 | 369 | .34 | - | - | - | - | - | - | - |
| 3.20 | 10 | .637 | 32 | 2.037 | x | x | 1094 | *.72 | 547 | *.36 | 363 | .24 | - | - | - | - | 1.8 ③ | 2.3 ④ | 2.8 ④ |
| 3.20 | 15 | .955 | 48 | 3.056 | x | x | 1094 | 1.08 | 547 | .54 | 363 | .36 | - | - | - | - | - | - | - |
| 3.27 | 11 | .700 | 36 | 2.292 | x | x | 1069 | *.79 | 535 | .40 | 354 | .26 | - | - | - | - | - | - | 2.0 ④ |
| 3.27 | 22 | 1.401 | 72 | 4.584 | x | x | 1069 | 1.57 | 535 | .79 | 354 | .53 | - | - | - | - | - | - | - |
| 3.33 | 12 | .764 | 40 | 2.546 | x | x | 1050 | .87 | 525 | .43 | 348 | .29 | - | - | - | - | - | - | 2.2 ④ |
| 3.33 | 18 | 1.146 | 60 | 3.820 | x | x | 1050 | 1.29 | 525 | .65 | 348 | .43 | - | - | - | - | - | - | - |
| 3.43 | 14 | .891 | 48 | 3.056 | x | x | 1021 | 1.01 | 510 | .51 | 338 | .34 | - | - | - | - | - | - | - |
| 3.43 | 21 | 1.337 | 72 | 4.584 | x | x | 1021 | 1.50 | 510 | .76 | 338 | .50 | - | - | - | - | - | - | - |
| 3.50 | 12 | .764 | 42 | 2.674 | x | x | 1000 | .87 | 500 | .43 | 331 | .29 | - | - | - | - | - | - | 2.1 ④ |
| 3.60 | 10 | .637 | 36 | 2.292 | x | x | 972 | *.72 | 486 | *.36 | 322 | .24 | - | - | - | - | - | - | 2.0 ③ |
| 3.60 | 20 | 1.273 | 72 | 4.584 | x | x | 972 | 1.43 | 486 | .72 | 322 | .48 | - | - | - | - | - | - | - |
| 3.64 | 11 | .700 | 40 | 2.546 | x | x | 963 | *.79 | 481 | .40 | 319 | .26 | - | - | - | - | - | - | 2.3 ④ |
| 3.67 | 12 | .764 | 44 | 2.801 | x | x | 955 | .87 | 477 | .43 | 316 | .29 | - | - | - | - | - | - | - |
| 3.75 | 16 | 1.019 | 60 | 3.820 | x | x | 933 | 1.15 | 467 | .58 | 309 | .38 | - | - | - | - | - | - | - |
| 3.82 | 11 | .700 | 42 | 2.674 | x | x | 917 | *.79 | 458 | .40 | 304 | .26 | - | - | - | - | - | - | 2.1 ③ |
| 4.00 | 10 | .637 | 40 | 2.546 | x | x | 875 | *.72 | 438 | *.36 | 290 | .24 | - | - | - | - | - | - | 2.3 ③ |
| 4.00 | 11 | .700 | 44 | 2.801 | x | x | 875 | *.79 | 438 | .40 | 290 | .26 | - | - | - | - | - | - | 2.0 ③ |
| 4.00 | 12 | .764 | 48 | 3.056 | x | x | 875 | .87 | 438 | .43 | 290 | .29 | - | - | - | - | - | - | - |
| 4.00 | 15 | .955 | 60 | 3.820 | x | x | 875 | 1.08 | 438 | .54 | 290 | .36 | - | - | - | - | - | - | - |
| 4.00 | 18 | 1.146 | 72 | 4.584 | x | x | 875 | 1.29 | 438 | .65 | 290 | .43 | - | - | - | - | - | - | - |
| 4.20 | 10 | .637 | 42 | 2.674 | x | x | 833 | *.72 | 417 | *.36 | 276 | .24 | - | - | - | - | - | - | 2.2 ③ |
| 4.29 | 14 | .891 | 60 | 3.820 | x | x | 817 | 1.01 | 408 | .51 | 271 | .34 | - | - | - | - | - | - | - |
| 4.36 | 11 | .700 | 48 | 3.056 | x | x | 802 | *.79 | 401 | .40 | 266 | .26 | - | - | - | - | - | - | - |
| 4.40 | 10 | .637 | 44 | 2.801 | x | x | 795 | *.72 | 398 | *.36 | 264 | .24 | - | - | - | - | - | - | 2.0 ③ |
| 4.50 | 16 | 1.019 | 72 | 4.584 | x | x | 778 | 1.15 | 389 | .58 | 258 | .38 | - | - | - | - | - | - | - |
| 4.80 | 10 | .637 | 48 | 3.056 | x | x | 729 | *.72 | 365 | *.36 | 242 | .24 | - | - | - | - | - | - | - |
| 4.80 | 15 | .955 | 72 | 4.584 | x | x | 729 | 1.08 | 365 | .54 | 242 | .36 | - | - | - | - | - | - | - |
| 5.00 | 12 | .764 | 60 | 3.820 | x | x | 700 | .87 | 350 | .43 | 232 | .29 | - | - | - | - | - | - | - |
| 5.14 | 14 | .891 | 72 | 4.584 | x | x | 681 | 1.01 | 340 | .51 | 226 | .34 | - | - | - | - | - | - | - |
| 5.45 | 11 | .700 | 60 | 3.820 | x | x | 642 | *.79 | 321 | .40 | 213 | .26 | - | - | - | - | - | - | - |
| 6.00 | 10 | .637 | 60 | 3.820 | x | x | 583 | *.72 | 292 | *.36 | 193 | .24 | - | - | - | - | - | - | - |
| 6.00 | 12 | .764 | 72 | 4.584 | x | x | 583 | .87 | 292 | .43 | 193 | .29 | - | - | - | - | - | - | - |
| 6.55 | 11 | .700 | 72 | 4.584 | x | x | 535 | *.79 | 267 | .40 | 177 | .26 | - | - | - | - | - | - | - |
| 7.20 | 10 | .637 | 72 | 4.584 | x | x | 486 | *.72 | 243 | *.36 | 161 | .24 | - | - | - | - | - | - | - |

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page D-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

| EFFECTIVE BELT WIDTH..... | .15" | .21" | .28" | .42" | .57" | .71" | 1.00" | 1.29" | 1.56" |
|---------------------------|------|------|------|------|------|------|-------|-------|-------|
| ACTUAL BELT WIDTH..... | 1/4 | 5/16 | 3/8 | 1/2 | 5/8 | 3/4 | 1 | 1 1/4 | 1 1/2 |

*This rating is for a pulley below the minimum recommended on page D-22 and, therefore, a reduction in belt life should be expected.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

| TEETH IN MESH | FACTOR |
|---------------|--------|
| ⑤ | .80 |
| ④ | .60 |
| ③ | .40 |



TABLE No. 1

1/5" PITCH DRIVE TABLE

Table with columns for Pulley Combination (Nominal Ratio, Driver, Driven) and Nominal Center Distances (110 XL to 260 XL). The table lists theoretical center distances for various pulley combinations and belt types.

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "110XL" belt is 11 inches long and is for use with 1/5 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 025 to this number (making the complete part number read "110XL025") indicates that the belt is 1/4 inch wide.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Factor table with columns TEETH IN MESH and FACTOR. Values: 5 teeth = .80, 4 teeth = .60, 3 teeth = .40.

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

TABLE No. 1

3/8" PITCH DRIVE TABLE

| NOMINAL RATIO | PULLEY COMBINATION | | | | AVAILABLE BELT WIDTHS | | | DRIVEN SPEEDS AND HORSEPOWER FOR 1" WIDE BELT | | | | | | NOMINAL CENTER DISTANCES USING BROWNING® GEARBELT® BELTS | | | | |
|---------------|--------------------|------------|----------------|------------|-----------------------|-----|-----|---|----------------|----------------|----------------|----------------|----------------|--|-------|-------|-------|-------|
| | DRIVER | | DRIVEN | | | | | 3500 RPM MOTOR | | 1750 RPM MOTOR | | 1160 RPM MOTOR | | | | | | |
| | NUMBER GROOVES | PITCH DIA. | NUMBER GROOVES | PITCH DIA. | 050 | 075 | 100 | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT | 124 L | 150 L | 187 L | 210 L | 225 L |
| 2.20 | 20 | 2.387 | 44 | 5.252 | X | X | X | 1591 | 3.47 | 795 | 1.80 | 527 | 1.20 | - | - | - | 4.3 | 5.1 |
| 2.22 | 18 | 2.149 | 40 | 4.775 | X | X | X | 1575 | 3.15 | 788 | 1.62 | 522 | 1.08 | - | - | - | 4.9 | 5.7 |
| 2.25 | 16 | 1.910 | 36 | 4.297 | X | X | X | 1556 | 2.83 | 778 | 1.45 | 516 | .96 | - | - | 4.3 | 5.5 | 6.3 |
| 2.25 | 32 | 3.820 | 72 | 8.594 | X | X | X | 1556 | 5.11 | 778 | 2.83 | 516 | 1.91 | - | - | - | - | - |
| 2.29 | 14 | 1.671 | 32 | 3.820 | X | X | X | 1531 | *2.49 | 766 | 1.27 | 508 | .84 | - | - | 4.9 | 6.1 | 6.9 |
| 2.29 | 21 | 2.507 | 48 | 5.730 | X | X | X | 1531 | 3.62 | 766 | 1.89 | 508 | 1.26 | - | - | - | - | 4.5 |
| 2.31 | 13 | 1.552 | 30 | 3.581 | X | X | X | 1517 | *2.32 | 758 | *1.18 | 503 | .78 | - | 3.3 | 5.2 | 6.4 | 7.1 |
| 2.31 | 26 | 3.104 | 60 | 7.162 | X | X | X | 1517 | 4.35 | 758 | 2.32 | 503 | 1.56 | - | - | - | - | - |
| 2.32 | 19 | 2.268 | 44 | 5.252 | X | X | X | 1511 | 3.31 | 756 | 1.71 | 501 | 1.14 | - | - | - | 4.3 | 5.1 |
| 2.33 | 12 | 1.432 | 28 | 3.342 | X | X | - | 1500 | *2.15 | 750 | *1.09 | 497 | .72 | - | 3.6 | 5.5 | 6.7 | 7.4 |
| 2.33 | 36 | 4.297 | 84 | 10.027 | X | X | X | 1500 | 5.54 | 750 | 3.15 | 497 | 2.14 | - | - | - | - | - |
| 2.35 | 17 | 2.029 | 40 | 4.775 | X | X | X | 1488 | 2.99 | 744 | 1.54 | 493 | 1.02 | - | - | 3.8 | 5.0 | 5.7 |
| 2.40 | 10 | 1.194 | 24 | 2.865 | X | - | - | 1458 | *1.80 | 729 | *.91 | 483 | *.60 | 2.9 | 4.2 | 6.1 | 7.3 | 8.0 |
| 2.40 | 15 | 1.790 | 36 | 4.297 | X | X | X | 1458 | *2.66 | 729 | 1.36 | 483 | .90 | - | - | 4.4 | 5.6 | 6.3 |
| 2.40 | 20 | 2.387 | 48 | 5.730 | X | X | X | 1458 | 3.47 | 729 | 1.80 | 483 | 1.20 | - | - | - | - | 4.6 |
| 2.40 | 30 | 3.581 | 72 | 8.594 | X | X | X | 1458 | 4.88 | 729 | 2.66 | 483 | 1.79 | - | - | - | - | - |
| 2.40 | 40 | 4.775 | 96 | 11.459 | X | X | X | 1458 | 5.88 | 729 | 3.47 | 483 | 2.37 | - | - | - | - | - |
| 2.44 | 18 | 2.149 | 44 | 5.252 | X | X | X | 1432 | 3.15 | 716 | 1.62 | 475 | 1.08 | - | - | - | 4.4 | 5.2 |
| 2.46 | 13 | 1.552 | 32 | 3.820 | X | X | X | 1422 | *2.32 | 711 | *1.18 | 471 | .78 | - | 3.1 | 5.0 | 6.2 | 6.9 |
| 2.50 | 12 | 1.432 | 30 | 3.581 | X | X | - | 1400 | *2.15 | 700 | *1.09 | 464 | .72 | - | 3.4 | 5.3 | 6.5 | 7.2 |
| 2.50 | 16 | 1.910 | 40 | 4.775 | X | X | X | 1400 | 2.83 | 700 | 1.45 | 464 | .96 | - | - | 3.9 | 5.0 | 5.8 |
| 2.50 | 24 | 2.865 | 60 | 7.162 | X | X | X | 1400 | 4.07 | 700 | 2.15 | 464 | 1.44 | - | - | - | - | - |
| 2.50 | 48 | 5.730 | 120 | 14.324 | X | X | X | 1400 | 6.32 | 700 | 4.07 | 464 | 2.81 | - | - | - | - | - |
| 2.53 | 19 | 2.268 | 48 | 5.730 | X | X | X | 1385 | 3.31 | 693 | 1.71 | 459 | 1.14 | - | - | - | - | 4.7 |
| 2.57 | 14 | 1.671 | 36 | 4.297 | X | X | X | 1361 | *2.49 | 681 | 1.27 | 451 | .84 | - | - | 4.5 | 5.7 | 6.4 |
| 2.57 | 28 | 3.342 | 72 | 8.594 | X | X | X | 1361 | 4.62 | 681 | 2.49 | 451 | 1.67 | - | - | - | - | - |
| 2.59 | 17 | 2.029 | 44 | 5.252 | X | X | X | 1352 | 2.99 | 676 | 1.54 | 448 | 1.02 | - | - | - | 4.5 | 5.3 |
| 2.60 | 10 | 1.194 | 26 | 3.104 | X | - | - | 1346 | *1.80 | 673 | *.91 | 446 | *.60 | 2.6 | 4.0 | 5.9 | 7.1 | 7.8 |
| 2.63 | 32 | 3.820 | 84 | 10.027 | X | X | X | 1333 | 5.11 | 667 | 2.83 | 442 | 1.91 | - | - | - | - | - |
| 2.67 | 12 | 1.432 | 32 | 3.820 | X | X | - | 1313 | *2.15 | 656 | *1.09 | 435 | .72 | - | 3.2 | 5.1 | 6.3 | 7.0 |
| 2.67 | 15 | 1.790 | 40 | 4.775 | X | X | X | 1313 | *2.66 | 656 | 1.36 | 435 | .90 | - | - | 3.9 | 5.1 | 5.9 |
| 2.67 | 18 | 2.149 | 48 | 5.730 | X | X | X | 1313 | 3.15 | 656 | 1.62 | 435 | 1.08 | - | - | - | - | 4.7 |
| 2.67 | 36 | 4.297 | 96 | 11.459 | X | X | X | 1313 | 5.54 | 656 | 3.15 | 435 | 2.14 | - | - | - | - | - |
| 2.73 | 22 | 2.626 | 60 | 7.162 | X | X | X | 1283 | 3.78 | 642 | 1.98 | 425 | 1.32 | - | - | - | - | - |
| 2.75 | 16 | 1.910 | 44 | 5.252 | X | X | X | 1273 | 2.83 | 636 | 1.54 | 422 | .96 | - | - | - | 4.6 | 5.4 |
| 2.77 | 13 | 1.552 | 36 | 4.297 | X | X | X | 1264 | *2.32 | 632 | *1.18 | 419 | .78 | - | - | 4.6 | 5.7 | 6.5 |
| 2.77 | 26 | 3.104 | 72 | 8.594 | X | X | X | 1264 | 4.35 | 632 | 2.32 | 419 | 1.56 | - | - | - | - | - |
| 2.80 | 10 | 1.194 | 28 | 3.342 | X | - | - | 1250 | *1.80 | 625 | *.91 | 414 | *.60 | - | 3.8 | 5.7 | 6.9 | 7.6 |
| 2.80 | 30 | 3.581 | 84 | 10.027 | X | X | X | 1250 | 4.88 | 625 | 2.66 | 414 | 1.79 | - | - | - | - | - |
| 2.82 | 17 | 2.029 | 48 | 5.730 | X | X | X | 1240 | 2.99 | 620 | 1.54 | 411 | 1.02 | - | - | - | - | 4.8 |
| 2.86 | 14 | 1.671 | 40 | 4.775 | X | X | X | 1225 | *2.49 | 613 | 1.27 | 406 | .84 | - | - | 4.0 | 5.2 | 6.0 |
| 2.86 | 21 | 2.507 | 60 | 7.162 | X | X | X | 1225 | 3.62 | 613 | 1.89 | 406 | 1.26 | - | - | - | - | - |
| 2.93 | 15 | 1.790 | 44 | 5.252 | X | X | X | 1193 | *2.66 | 597 | 1.36 | 395 | .90 | - | - | - | 4.7 | 5.4 |
| 3.00 | 10 | 1.194 | 30 | 3.581 | X | - | - | 1167 | *1.80 | 583 | *.91 | 387 | *.60 | - | 3.6 | 5.5 | 6.6 | 7.4 |
| 3.00 | 12 | 1.432 | 36 | 4.297 | X | X | - | 1167 | *2.15 | 583 | *1.09 | 387 | .72 | - | - | 4.7 | 5.8 | 6.6 |
| 3.00 | 16 | 1.910 | 48 | 5.730 | X | X | X | 1167 | 2.83 | 583 | 1.45 | 387 | .96 | - | - | - | - | 4.9 |
| 3.00 | 20 | 2.387 | 60 | 7.162 | X | X | X | 1167 | 3.47 | 583 | 1.80 | 387 | 1.20 | - | - | - | - | - |
| 3.00 | 24 | 2.865 | 72 | 8.594 | X | X | X | 1167 | 4.07 | 583 | 2.15 | 387 | 1.44 | - | - | - | - | - |
| 3.00 | 28 | 3.342 | 84 | 10.027 | X | X | X | 1167 | 4.62 | 583 | 2.49 | 387 | 1.67 | - | - | - | - | - |
| 3.00 | 32 | 3.820 | 96 | 11.459 | X | X | X | 1167 | 5.11 | 583 | 2.83 | 387 | 1.91 | - | - | - | - | - |
| 3.00 | 40 | 4.775 | 120 | 14.324 | X | X | X | 1167 | 5.88 | 583 | 3.47 | 387 | 2.37 | - | - | - | - | - |
| 3.08 | 13 | 1.552 | 40 | 4.775 | X | X | X | 1138 | *2.32 | 569 | *1.18 | 377 | .78 | - | - | 4.1 | 5.3 | 6.1 |
| 3.14 | 14 | 1.671 | 44 | 5.252 | X | X | X | 1114 | *2.49 | 557 | 1.27 | 369 | .84 | - | - | - | 4.7 | 5.5 |
| 3.16 | 19 | 2.268 | 60 | 7.162 | X | X | X | 1108 | 3.31 | 554 | 1.71 | 367 | 1.14 | - | - | - | - | - |
| 3.20 | 10 | 1.194 | 32 | 3.820 | X | - | - | 1094 | *1.80 | 547 | *.91 | 363 | *.60 | - | 3.3 | 5.3 | 6.4 | 7.2 |
| 3.20 | 15 | 1.790 | 48 | 5.730 | X | X | X | 1094 | *2.66 | 547 | 1.36 | 363 | .90 | - | - | - | - | 5.0 |
| 3.20 | 30 | 3.581 | 96 | 11.459 | X | X | X | 1094 | 4.88 | 547 | 2.66 | 363 | 1.79 | - | - | - | - | - |
| 3.23 | 26 | 3.104 | 84 | 10.027 | X | X | X | 1083 | 4.35 | 542 | 2.32 | 359 | 1.56 | - | - | - | - | - |
| 3.27 | 22 | 2.626 | 72 | 8.594 | X | X | X | 1069 | 3.78 | 535 | 1.98 | 354 | 1.32 | - | - | - | - | - |
| 3.33 | 12 | 1.432 | 40 | 4.775 | X | X | - | 1050 | *2.15 | 525 | *1.09 | 348 | .72 | - | - | 4.2 | 5.4 | 6.2 |
| 3.33 | 18 | 2.149 | 60 | 7.162 | X | X | X | 1050 | 3.15 | 525 | 1.62 | 348 | 1.08 | - | - | - | - | - |
| 3.33 | 36 | 4.297 | 120 | 14.324 | X | X | X | 1050 | 5.54 | 525 | 3.15 | 348 | 2.14 | - | - | - | - | - |
| 3.38 | 13 | 1.552 | 44 | 5.252 | X | X | X | 1034 | *2.32 | 517 | *1.18 | 343 | .78 | - | - | - | 4.8 | 5.6 |
| 3.43 | 14 | 1.671 | 48 | 5.730 | X | X | X | 1021 | *2.49 | 510 | 1.27 | 338 | .84 | - | - | - | 4.2 | 5.0 |
| 3.43 | 21 | 2.507 | 72 | 8.594 | X | X | X | 1021 | 3.62 | 510 | 1.89 | 338 | 1.26 | - | - | - | - | - |
| 3.43 | 28 | 3.342 | 96 | 11.459 | X | X | X | 1021 | 4.62 | 510 | 2.49 | 338 | 1.67 | - | - | - | - | - |
| 3.50 | 24 | 2.865 | 84 | 10.027 | X | X | X | 1000 | 4.07 | 500 | 2.15 | 331 | 1.44 | - | - | - | - | - |

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the NORMAL RATING (See Page D-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width." Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

| EFFECTIVE BELT WIDTH..... | .28" | .42" | .57" | .71" | 1.00" | 1.29" | 1.56" | 2.14" | 2.72" | 3.36" |
|---------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| ACTUAL BELT WIDTH..... | 3/8 | 1/2 | 5/8 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |

*This rating is for a pulley below the minimum recommended on page D-22 and, therefore, a reduction in belt life should be expected.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

| TEETH IN MESH | FACTOR |
|---------------|--------|
| ⑤ | .80 |
| ④ | .60 |
| ③ | .40 |

TABLE No. 1
3/8" PITCH DRIVE TABLE

| NOMINAL RATIO | PULLEY COMBINATION | | NOMINAL CENTER DISTANCES USING BROWNING® GEARBELT® BELTS | | | | | | | | | | | | | | | |
|---------------|--------------------|----------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | DRIVER | DRIVEN | | | | | | | | | | | | | | | | |
| | NUMBER GROOVES | NUMBER GROOVES | 240 L | 255 L | 270 L | 285 L | 300 L | 322 L | 345 L | 367 L | 390 L | 420 L | 450 L | 480 L | 510 L | 540 L | 600 L | |
| 2.20 | 20 | 44 | 5.8 | 6.6 | 7.4 | 8.1 | 8.9 | 10.0 | 11.2 | 12.3 | 13.4 | 14.9 | 16.4 | 17.9 | 19.5 | 21.0 | 24.0 | |
| 2.22 | 18 | 40 | 6.4 | 7.2 | 8.0 | 8.7 | 9.5 | 10.6 | 11.7 | 12.9 | 14.0 | 15.5 | 17.0 | 18.5 | 20.0 | 21.5 | 24.5 | |
| 2.25 | 16 | 36 | 7.0 | 7.8 | 8.5 | 9.3 | 10.1 | 11.2 | 12.3 | 13.4 | 14.6 | 16.1 | 17.6 | 19.1 | 20.6 | 22.5 | 25.1 | |
| 2.25 | 32 | 72 | - | - | - | - | - | - | 7.1 | 8.3 | 9.5 | 11.0 | 12.5 | 14.1 | 15.6 | 17.1 | 20.1 | |
| 2.29 | 14 | 32 | 7.6 | 8.4 | 9.1 | 9.9 | 10.6 | 11.8 | 12.9 | 14.0 | 15.2 | 16.7 | 18.2 | 19.7 | 21.2 | 22.7 | 25.7 | |
| 2.29 | 21 | 48 | 5.3 | 6.1 | 6.8 | 7.6 | 8.4 | 9.5 | 10.7 | 11.8 | 12.9 | 14.4 | 16.0 | 17.5 | 19.0 | 20.5 | 23.5 | |
| 2.31 | 13 | 30 | 7.9 | 8.7 | 9.4 | 10.2 | 10.9 | 12.1 | 13.2 | 14.3 | 15.4 | 16.9 | 18.4 | 19.9 | 21.4 | 22.9 | 26.0 | |
| 2.31 | 26 | 60 | - | - | - | 5.8 | 6.6 | 7.8 | 9.0 | 10.1 | 11.3 | 12.8 | 14.3 | 15.8 | 17.3 | 18.8 | 21.8 | |
| 2.32 | 19 | 44 | 5.9 | 6.7 | 7.4 | 8.2 | 9.0 | 10.1 | 11.2 | 12.4 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 24.1 | |
| 2.33 | 12 | 28 | 8.2 | 9.0 | 9.7 | 10.5 | 11.2 | 12.3 | 13.5 | 14.6 | 15.7 | 17.2 | 18.7 | 20.2 | 21.7 | 23.2 | 26.2 | |
| 2.33 | 36 | 84 | - | - | - | - | - | - | - | - | 7.7 | 9.3 | 10.9 | 12.4 | 14.0 | 15.5 | 18.5 | |
| 2.35 | 17 | 40 | 6.5 | 7.3 | 8.0 | 8.8 | 9.6 | 10.7 | 11.8 | 13.0 | 14.1 | 15.6 | 17.1 | 18.6 | 20.1 | 21.6 | 24.6 | |
| 2.40 | 10 | 24 | 8.8 | 9.5 | 10.3 | 11.0 | 11.8 | 12.9 | 14.0 | 15.2 | 16.3 | 17.8 | 19.3 | 20.8 | 22.3 | 23.8 | 26.8 | |
| 2.40 | 15 | 36 | 7.1 | 7.9 | 8.6 | 9.4 | 10.1 | 11.3 | 12.4 | 13.5 | 14.7 | 16.2 | 17.7 | 19.2 | 20.7 | 22.2 | 25.2 | |
| 2.40 | 20 | 48 | 5.4 | 6.2 | 6.9 | 7.7 | 8.5 | 9.6 | 10.7 | 11.9 | 13.0 | 14.5 | 16.0 | 17.5 | 19.1 | 20.6 | 23.6 | |
| 2.40 | 30 | 72 | - | - | - | - | - | - | 7.3 | 8.4 | 9.6 | 11.2 | 12.7 | 14.2 | 15.7 | 17.3 | 20.3 | |
| 2.40 | 40 | 96 | - | - | - | - | - | - | - | - | - | - | 9.1 | 10.7 | 12.3 | 13.9 | 16.9 | |
| 2.44 | 18 | 44 | 6.0 | 6.8 | 7.5 | 8.3 | 9.1 | 10.2 | 11.3 | 12.5 | 13.6 | 15.1 | 16.6 | 18.1 | 19.6 | 21.1 | 24.1 | |
| 2.46 | 13 | 32 | 7.7 | 8.5 | 9.2 | 10.0 | 10.7 | 11.9 | 13.0 | 14.1 | 15.2 | 16.7 | 18.2 | 19.8 | 21.3 | 22.8 | 25.8 | |
| 2.50 | 12 | 30 | 8.0 | 8.7 | 9.5 | 10.3 | 11.0 | 12.1 | 13.3 | 14.4 | 15.5 | 17.0 | 18.5 | 20.0 | 21.5 | 23.0 | 26.0 | |
| 2.50 | 16 | 40 | 6.6 | 7.4 | 8.1 | 8.9 | 9.6 | 10.8 | 11.9 | 13.0 | 14.2 | 15.7 | 17.2 | 18.7 | 20.2 | 21.7 | 24.7 | |
| 2.50 | 24 | 60 | - | - | - | 6.0 | 6.8 | 8.0 | 9.1 | 10.3 | 11.4 | 13.0 | 14.5 | 16.0 | 17.5 | 19.0 | 22.0 | |
| 2.50 | 48 | 120 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 13.6 | |
| 2.53 | 19 | 48 | 5.4 | 6.2 | 7.0 | 7.8 | 8.5 | 9.7 | 10.8 | 12.0 | 13.1 | 14.6 | 16.1 | 17.6 | 19.1 | 20.6 | 23.7 | |
| 2.57 | 14 | 36 | 7.2 | 8.0 | 8.7 | 9.5 | 10.2 | 11.4 | 12.5 | 13.6 | 14.8 | 16.3 | 17.8 | 19.3 | 20.8 | 22.3 | 25.3 | |
| 2.57 | 28 | 72 | - | - | - | - | - | - | 7.4 | 8.6 | 9.8 | 11.3 | 12.9 | 14.4 | 15.9 | 17.4 | 20.5 | |
| 2.59 | 17 | 44 | 6.1 | 6.8 | 7.6 | 8.4 | 9.1 | 10.3 | 11.4 | 12.6 | 13.7 | 15.2 | 16.7 | 18.2 | 19.7 | 21.2 | 24.2 | |
| 2.60 | 10 | 26 | 8.6 | 9.3 | 10.1 | 10.8 | 11.6 | 12.7 | 13.8 | 15.0 | 16.1 | 17.6 | 19.1 | 20.6 | 22.1 | 23.6 | 26.6 | |
| 2.63 | 32 | 84 | - | - | - | - | - | - | - | - | 8.0 | 9.6 | 11.2 | 12.8 | 14.3 | 15.8 | 18.9 | |
| 2.67 | 12 | 32 | 7.8 | 8.5 | 9.3 | 10.1 | 10.8 | 11.9 | 13.1 | 14.2 | 15.3 | 16.8 | 18.3 | 19.8 | 21.3 | 22.8 | 25.8 | |
| 2.67 | 15 | 40 | 6.7 | 7.4 | 8.2 | 9.0 | 9.7 | 10.9 | 12.0 | 13.1 | 14.3 | 15.8 | 17.3 | 18.8 | 20.3 | 21.8 | 24.8 | |
| 2.67 | 18 | 48 | 5.5 | 6.3 | 7.1 | 7.9 | 8.6 | 9.8 | 10.9 | 12.1 | 13.2 | 14.7 | 16.2 | 17.7 | 19.2 | 20.7 | 23.7 | |
| 2.67 | 36 | 96 | - | - | - | - | - | - | - | - | - | 9.5 | 11.1 | 12.6 | 14.2 | 15.7 | 18.7 | |
| 2.73 | 22 | 60 | - | - | 5.3 | 6.1 | 6.9 | 8.1 | 9.3 | 10.4 | 11.6 | 13.1 | 14.6 | 16.2 | 17.7 | 19.2 | 22.2 | |
| 2.75 | 16 | 44 | 6.2 | 6.9 | 7.7 | 8.5 | 9.2 | 10.4 | 11.5 | 12.6 | 13.8 | 15.3 | 16.8 | 18.3 | 19.8 | 21.3 | 24.3 | |
| 2.77 | 13 | 36 | 7.3 | 8.0 | 8.8 | 9.6 | 10.3 | 11.5 | 12.6 | 13.7 | 14.8 | 16.4 | 17.9 | 19.4 | 20.9 | 22.4 | 25.4 | |
| 2.77 | 26 | 72 | - | - | - | - | - | 6.4 | 7.6 | 8.8 | 9.9 | 11.5 | 13.0 | 14.6 | 16.1 | 17.6 | 20.6 | |
| 2.80 | 10 | 28 | 8.4 | 9.1 | 9.9 | 10.6 | 11.4 | 12.5 | 13.6 | 14.8 | 15.9 | 17.4 | 18.9 | 20.4 | 21.9 | 23.4 | 26.4 | |
| 2.80 | 30 | 84 | - | - | - | - | - | - | - | - | 8.2 | 9.8 | 11.4 | 12.9 | 14.5 | 16.0 | 19.0 | |
| 2.82 | 17 | 48 | 5.6 | 6.4 | 7.2 | 7.9 | 8.7 | 9.9 | 11.0 | 12.1 | 13.3 | 14.8 | 16.3 | 17.8 | 19.3 | 20.8 | 23.8 | |
| 2.86 | 14 | 40 | 6.8 | 7.5 | 8.3 | 9.1 | 9.8 | 11.0 | 12.1 | 13.2 | 14.4 | 15.9 | 17.4 | 18.9 | 20.4 | 21.9 | 24.9 | |
| 2.86 | 21 | 60 | - | - | 5.4 | 6.2 | 7.0 | 8.2 | 9.4 | 10.5 | 11.7 | 13.2 | 14.7 | 16.2 | 17.7 | 19.2 | 22.3 | |
| 2.93 | 15 | 44 | 6.2 | 7.0 | 7.8 | 8.5 | 9.3 | 10.5 | 11.6 | 12.7 | 13.9 | 15.4 | 16.9 | 18.4 | 19.9 | 21.4 | 24.4 | |
| 3.00 | 10 | 30 | 8.2 | 8.9 | 9.7 | 10.4 | 11.2 | 12.3 | 13.4 | 14.6 | 15.7 | 17.2 | 18.7 | 20.2 | 21.7 | 23.2 | 26.2 | |
| 3.00 | 12 | 36 | 7.4 | 8.1 | 8.9 | 9.6 | 10.4 | 11.5 | 12.7 | 13.8 | 14.9 | 16.4 | 17.9 | 19.4 | 21.0 | 22.5 | 25.5 | |
| 3.00 | 16 | 48 | 5.7 | 6.5 | 7.3 | 8.0 | 8.8 | 9.9 | 11.1 | 12.2 | 13.4 | 14.9 | 16.4 | 17.9 | 19.4 | 20.9 | 23.9 | |
| 3.00 | 20 | 60 | - | - | 5.5 | 6.3 | 7.1 | 8.3 | 9.5 | 10.6 | 11.8 | 13.3 | 14.8 | 16.3 | 17.8 | 19.4 | 22.4 | |
| 3.00 | 24 | 72 | - | - | - | - | - | 6.5 | 7.7 | 8.9 | 10.1 | 11.7 | 13.2 | 14.7 | 16.3 | 17.8 | 20.8 | |
| 3.00 | 28 | 84 | - | - | - | - | - | - | - | 7.1 | 8.3 | 9.9 | 11.5 | 13.1 | 14.6 | 16.2 | 19.2 | |
| 3.00 | 32 | 96 | - | - | - | - | - | - | - | - | - | 8.1 | 9.8 | 11.4 | 12.9 | 14.5 | 17.6 | |
| 3.00 | 40 | 120 | - | - | - | - | - | - | - | - | - | - | - | - | - | 11.0 | 14.2 | |
| 3.08 | 13 | 40 | 6.8 | 7.6 | 8.4 | 9.1 | 9.9 | 11.0 | 12.2 | 13.3 | 14.4 | 16.0 | 17.5 | 19.0 | 20.5 | 22.0 | 25.0 | |
| 3.14 | 14 | 44 | 6.3 | 7.1 | 7.9 | 8.6 | 9.4 | 10.5 | 11.7 | 12.8 | 14.0 | 15.5 | 17.0 | 18.5 | 20.0 | 21.5 | 24.0 | |
| 3.16 | 19 | 60 | - | - | 5.6 | 6.4 | 7.2 | 8.4 | 9.5 | 10.7 | 11.8 | 13.4 | 14.9 | 16.4 | 17.9 | 19.4 | 22.5 | |
| 3.20 | 10 | 32 | 8.0 | 8.7 | 9.5 | 10.2 | 11.0 | 12.1 | 13.2 | 14.4 | 15.5 | 17.0 | 18.5 | 20.0 | 21.5 | 23.0 | 26.0 | |
| 3.20 | 15 | 48 | 5.8 | 6.6 | 7.3 | 8.1 | 8.9 | 10.0 | 11.2 | 12.3 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 21.0 | 24.0 | |
| 3.20 | 30 | 96 | - | - | - | - | - | - | - | - | - | 8.3 | 9.9 | 11.5 | 13.1 | 14.7 | 17.8 | |
| 3.23 | 26 | 84 | - | - | - | - | - | - | 7.2 | 8.5 | 10.1 | 11.7 | 13.2 | 14.8 | 16.3 | 17.9 | 19.4 | |
| 3.27 | 22 | 72 | - | - | - | - | - | 6.7 | 7.9 | 9.1 | 10.3 | 11.8 | 13.4 | 14.9 | 16.4 | 17.9 | 21.0 | |
| 3.33 | 12 | 40 | 6.9 | 7.7 | 8.5 | 9.2 | 10.0 | 11.1 | 12.3 | 13.4 | 14.5 | 16.0 | 17.5 | 19.1 | 20.6 | 22.1 | 25.1 | |
| 3.33 | 18 | 60 | - | - | 5.6 | 6.5 | 7.3 | 8.4 | 9.6 | 10.8 | 11.9 | 13.5 | 15.0 | 16.5 | 18.0 | 19.5 | 22.6 | |
| 3.33 | 36 | 120 | - | - | - | - | - | - | - | - | - | - | - | - | - | 11.3 | 14.5 | |
| 3.38 | 13 | 44 | 6.4 | 7.2 | 7.9 | 8.7 | 9.5 | 10.6 | 11.8 | 12.9 | 14.0 | 15.5 | 17.1 | 18.6 | 20.1 | 21.6 | 24.6 | |
| 3.43 | 14 | 48 | 5.8 | 6.6 | 7.4 | 8.2 | 9.0 | 10.1 | 11.3 | 12.4 | 13.5 | 15.1 | 16.6 | 18.1 | 19.6 | 21.1 | 24.1 | |
| 3.43 | 21 | 72 | - | - | - | - | - | 6.7 | 8.0 | 9.2 | 10.3 | 11.9 | 13.4 | 15.0 | 16.5 | 18.0 | 21.1 | |
| 3.43 | 28 | 96 | - | - | - | - | - | - | - | - | - | 8.4 | 10.1 | 11.7 | 13.3 | 14.8 | 17.9 | |
| 3.50 | 24 | 84 | - | - | - | - | - | - | - | 7.4 | 8.6 | 10.3 | 11.8 | 13.4 | 15.0 | 16.5 | 19.6 | |

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "240L" belt is 24 inches long and is for use with 3/8 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 075 to this number (making the complete part number read "240L075") indicates that the belt is 3/4 inch wide.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

| TEETH IN MESH | FACTOR |
|---------------|--------|
| ⑤ | .80 |
| ④ | .60 |

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

TABLE No. 1

3/8" PITCH DRIVE TABLE

| NOMINAL RATIO | PULLEY COMBINATION | | | | AVAILABLE BELT WIDTHS | | | DRIVEN SPEEDS AND HORSEPOWER FOR 1" WIDE BELT | | | | | | NOMINAL CENTER DISTANCES USING BROWNING® GEARBELT® BELTS | | | | |
|---------------|--------------------|------------|----------------|------------|-----------------------|-----|-----|---|----------------|----------------|----------------|----------------|----------------|--|-------|-------|-------|-------|
| | DRIVER | | DRIVEN | | 050 | 075 | 100 | 3500 RPM MOTOR | | 1750 RPM MOTOR | | 1160 RPM MOTOR | | 124 L | 150 L | 187 L | 210 L | 225 L |
| | NUMBER GROOVES | PITCH DIA. | NUMBER GROOVES | PITCH DIA. | | | | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT | | | | | |
| 3.53 | 17 | 2.029 | 60 | 7.162 | X | X | X | 992 | 2.99 | 496 | 1.54 | 329 | 1.02 | - | - | - | - | - |
| 3.60 | 10 | 1.194 | 36 | 4.297 | X | - | - | 972 | *1.80 | 486 | *.91 | 322 | *.60 | - | - | 4.8 ③ | 6.0 ④ | 6.8 ④ |
| 3.60 | 20 | 2.387 | 72 | 8.594 | X | X | X | 972 | 3.47 | 486 | 1.80 | 322 | 1.20 | - | - | - | - | - |
| 3.67 | 12 | 1.432 | 44 | 5.252 | X | X | - | 955 | *2.15 | 477 | *1.09 | 316 | .72 | - | - | - | 4.9 ④ | 5.7 ④ |
| 3.69 | 13 | 1.552 | 48 | 5.730 | X | X | X | 948 | *2.32 | 474 | *1.18 | 314 | .78 | - | - | - | 4.3 ④ | 5.1 ④ |
| 3.69 | 26 | 3.104 | 96 | 11.459 | X | X | X | 948 | 4.35 | 474 | 2.32 | 314 | 1.56 | - | - | - | - | - |
| 3.75 | 16 | 1.910 | 60 | 7.162 | X | X | X | 933 | 2.83 | 467 | 1.45 | 309 | .96 | - | - | - | - | - |
| 3.75 | 32 | 3.820 | 120 | 14.324 | X | X | X | 933 | 5.11 | 467 | 2.83 | 309 | 1.91 | - | - | - | - | - |
| 3.79 | 19 | 2.268 | 72 | 8.594 | X | X | X | 924 | 3.31 | 462 | 1.71 | 306 | 1.14 | - | - | - | - | - |
| 3.82 | 22 | 2.626 | 84 | 10.027 | X | X | X | 917 | 3.78 | 458 | 1.98 | 304 | 1.32 | - | - | - | - | - |
| 4.00 | 10 | 1.194 | 40 | 4.775 | X | - | - | 875 | *1.80 | 438 | *.91 | 290 | *.60 | - | - | 4.3 ③ | 5.5 ③ | 6.3 ④ |
| 4.00 | 12 | 1.432 | 48 | 5.730 | X | X | - | 875 | *2.15 | 438 | *1.09 | 290 | .72 | - | - | - | 4.4 ④ | 5.2 ④ |
| 4.00 | 15 | 1.790 | 60 | 7.162 | X | X | X | 875 | *2.66 | 438 | 1.36 | 290 | .90 | - | - | - | - | - |
| 4.00 | 18 | 2.149 | 72 | 8.594 | X | X | X | 875 | 3.15 | 438 | 1.62 | 290 | 1.08 | - | - | - | - | - |
| 4.00 | 21 | 2.507 | 84 | 10.027 | X | X | X | 875 | 3.62 | 438 | 1.89 | 290 | 1.26 | - | - | - | - | - |
| 4.00 | 24 | 2.865 | 96 | 11.459 | X | X | X | 875 | 4.07 | 438 | 2.15 | 290 | 1.44 | - | - | - | - | - |
| 4.00 | 30 | 3.581 | 120 | 14.324 | X | X | X | 875 | 4.88 | 438 | 2.66 | 290 | 1.79 | - | - | - | - | - |
| 4.20 | 20 | 2.387 | 84 | 10.027 | X | X | X | 833 | 3.47 | 417 | 1.80 | 276 | 1.20 | - | - | - | - | - |
| 4.24 | 17 | 2.029 | 72 | 8.594 | X | X | X | 826 | 2.99 | 413 | 1.54 | 274 | 1.02 | - | - | - | - | - |
| 4.29 | 14 | 1.671 | 60 | 7.162 | X | X | X | 817 | *2.49 | 408 | 1.27 | 271 | .84 | - | - | - | - | - |
| 4.29 | 28 | 3.342 | 120 | 14.324 | X | X | X | 817 | 4.62 | 408 | 2.49 | 271 | 1.67 | - | - | - | - | - |
| 4.36 | 22 | 2.626 | 96 | 11.459 | X | X | X | 802 | 3.78 | 401 | 1.98 | 266 | 1.32 | - | - | - | - | - |
| 4.40 | 10 | 1.194 | 44 | 5.252 | X | - | - | 795 | *1.80 | 398 | *.91 | 264 | *.60 | - | - | 3.8 ③ | 5.0 ③ | 5.8 ③ |
| 4.42 | 19 | 2.268 | 84 | 10.027 | X | X | X | 792 | 3.31 | 396 | 1.71 | 262 | 1.14 | - | - | - | - | - |
| 4.50 | 16 | 1.910 | 72 | 8.594 | X | X | X | 778 | 2.83 | 389 | 1.45 | 258 | .96 | - | - | - | - | - |
| 4.57 | 21 | 2.507 | 96 | 11.459 | X | X | X | 766 | 3.62 | 383 | 1.89 | 254 | 1.26 | - | - | - | - | - |
| 4.62 | 13 | 1.552 | 60 | 7.162 | X | X | X | 758 | *2.32 | 379 | *1.18 | 251 | .78 | - | - | - | - | - |
| 4.62 | 26 | 3.104 | 120 | 14.324 | X | X | X | 758 | 4.35 | 379 | 2.32 | 251 | 1.56 | - | - | - | - | - |
| 4.67 | 18 | 2.149 | 84 | 10.027 | X | X | X | 750 | 3.15 | 375 | 1.62 | 249 | 1.08 | - | - | - | - | - |
| 4.80 | 10 | 1.194 | 48 | 5.730 | X | - | - | 729 | *1.80 | 365 | *.91 | 242 | *.60 | - | - | - | 4.5 ③ | 5.3 ③ |
| 4.80 | 15 | 1.790 | 72 | 8.594 | X | X | X | 729 | *2.66 | 365 | 1.36 | 242 | .90 | - | - | - | - | - |
| 4.80 | 20 | 2.387 | 96 | 11.459 | X | X | X | 729 | 3.47 | 365 | 1.80 | 242 | 1.20 | - | - | - | - | - |
| 4.94 | 17 | 2.029 | 84 | 10.027 | X | X | X | 708 | 2.99 | 354 | 1.54 | 235 | 1.02 | - | - | - | - | - |
| 5.00 | 12 | 1.432 | 60 | 7.162 | X | X | - | 700 | *2.15 | 350 | *1.09 | 232 | .72 | - | - | - | - | - |
| 5.00 | 24 | 2.865 | 120 | 14.324 | X | X | X | 700 | 4.07 | 350 | 2.15 | 232 | 1.44 | - | - | - | - | - |
| 5.05 | 19 | 2.268 | 96 | 11.459 | X | X | X | 693 | 3.31 | 346 | 1.71 | 230 | 1.14 | - | - | - | - | - |
| 5.14 | 14 | 1.671 | 72 | 8.594 | X | X | X | 681 | *2.49 | 340 | 1.27 | 226 | .84 | - | - | - | - | - |
| 5.25 | 16 | 1.910 | 84 | 10.027 | X | X | X | 667 | 2.83 | 333 | 1.45 | 221 | .96 | - | - | - | - | - |
| 5.33 | 18 | 2.149 | 96 | 11.459 | X | X | X | 656 | 3.15 | 328 | 1.62 | 218 | 1.08 | - | - | - | - | - |
| 5.45 | 22 | 2.626 | 120 | 14.324 | X | X | X | 642 | 3.78 | 321 | 1.98 | 213 | 1.32 | - | - | - | - | - |
| 5.54 | 13 | 1.552 | 72 | 8.594 | X | X | X | 632 | *2.32 | 316 | *1.18 | 209 | .78 | - | - | - | - | - |
| 5.60 | 15 | 1.790 | 84 | 10.027 | X | X | X | 625 | *2.66 | 313 | 1.36 | 207 | .90 | - | - | - | - | - |
| 5.65 | 17 | 2.029 | 96 | 11.459 | X | X | X | 620 | 2.99 | 310 | 1.54 | 205 | 1.02 | - | - | - | - | - |
| 5.71 | 21 | 2.507 | 120 | 14.324 | X | X | X | 613 | 3.62 | 306 | 1.89 | 203 | 1.26 | - | - | - | - | - |
| 6.00 | 10 | 1.194 | 60 | 7.162 | X | - | - | 583 | *1.80 | 292 | *.91 | 193 | *.60 | - | - | - | - | - |
| 6.00 | 12 | 1.432 | 72 | 8.594 | X | X | - | 583 | *2.15 | 292 | *1.09 | 193 | .72 | - | - | - | - | - |
| 6.00 | 14 | 1.671 | 84 | 10.027 | X | X | X | 583 | *2.49 | 292 | 1.27 | 193 | .84 | - | - | - | - | - |
| 6.00 | 16 | 1.910 | 96 | 11.459 | X | X | X | 583 | 2.83 | 292 | 1.45 | 193 | .96 | - | - | - | - | - |
| 6.00 | 20 | 2.387 | 120 | 14.324 | X | X | X | 583 | 3.47 | 292 | 1.80 | 193 | 1.20 | - | - | - | - | - |
| 6.32 | 19 | 2.268 | 120 | 14.324 | X | X | X | 554 | 3.31 | 277 | 1.71 | 184 | 1.14 | - | - | - | - | - |
| 6.40 | 15 | 1.790 | 96 | 11.459 | X | X | X | 547 | *2.66 | 273 | 1.36 | 181 | .90 | - | - | - | - | - |
| 6.46 | 13 | 1.552 | 84 | 10.027 | X | X | X | 542 | *2.32 | 271 | *1.18 | 180 | .78 | - | - | - | - | - |
| 6.67 | 18 | 2.149 | 120 | 14.324 | X | X | X | 525 | 3.15 | 263 | 1.62 | 174 | 1.08 | - | - | - | - | - |
| 6.86 | 14 | 1.671 | 96 | 11.459 | X | X | X | 510 | *2.49 | 255 | 1.27 | 169 | .84 | - | - | - | - | - |
| 7.00 | 12 | 1.432 | 84 | 10.027 | X | X | - | 500 | *2.15 | 250 | *1.09 | 166 | .72 | - | - | - | - | - |
| 7.06 | 17 | 2.029 | 120 | 14.324 | X | X | X | 496 | 2.99 | 248 | 1.54 | 164 | 1.02 | - | - | - | - | - |
| 7.20 | 10 | 1.194 | 72 | 8.594 | X | - | - | 486 | *1.80 | 243 | *.91 | 161 | *.60 | - | - | - | - | - |
| 7.38 | 13 | 1.552 | 96 | 11.459 | X | X | X | 474 | *2.32 | 237 | *1.18 | 157 | .78 | - | - | - | - | - |
| 7.50 | 16 | 1.910 | 120 | 14.324 | X | X | X | 467 | 2.83 | 233 | 1.45 | 155 | .96 | - | - | - | - | - |
| 8.00 | 12 | 1.432 | 96 | 11.459 | X | X | - | 438 | *2.15 | 219 | *1.09 | 145 | .72 | - | - | - | - | - |
| 8.00 | 15 | 1.790 | 120 | 14.324 | X | X | X | 438 | *2.66 | 219 | 1.36 | 145 | .90 | - | - | - | - | - |
| 8.40 | 10 | 1.194 | 84 | 10.027 | X | - | - | 417 | *1.80 | 208 | *.91 | 138 | *.60 | - | - | - | - | - |
| 8.57 | 14 | 1.671 | 120 | 14.324 | X | X | X | 408 | *2.49 | 204 | 1.27 | 135 | .84 | - | - | - | - | - |
| 9.23 | 13 | 1.552 | 120 | 14.324 | X | X | X | 379 | *2.32 | 190 | *1.18 | 126 | .78 | - | - | - | - | - |
| 9.60 | 10 | 1.194 | 96 | 11.459 | X | - | - | 365 | *1.80 | 182 | *.91 | 121 | *.60 | - | - | - | - | - |
| 10.00 | 12 | 1.432 | 120 | 14.324 | X | X | - | 350 | *2.15 | 175 | *1.09 | 116 | .72 | - | - | - | - | - |
| 12.00 | 10 | 1.194 | 120 | 14.324 | X | - | - | 292 | *1.80 | 146 | *.91 | 97 | *.60 | - | - | - | - | - |

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the NORMAL RATING (See Page D-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width." Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

| | | | | | | | | | | |
|---------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| EFFECTIVE BELT WIDTH..... | .28" | .42" | .57" | .71" | 1.00" | 1.29" | 1.56" | 2.14" | 2.72" | 3.36" |
| ACTUAL BELT WIDTH..... | 3/8 | 1/2 | 5/8 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 |

*This rating is for a pulley below the minimum recommended on page D-22 and, therefore, a reduction in belt life should be expected.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

| TEETH IN MESH | FACTOR |
|---------------|--------|
| ⑤ | .80 |
| ④ | .60 |
| ③ | .40 |

TABLE No. 1
3/8" PITCH DRIVE TABLE

| NOMINAL RATIO | PULLEY COMBINATION | | NOMINAL CENTER DISTANCES USING BROWNING® GEARBELT® BELTS | | | | | | | | | | | | | | | |
|---------------|--------------------|----------------|--|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | DRIVER | DRIVEN | 240 | 255 | 270 | 285 | 300 | 322 | 345 | 367 | 390 | 420 | 450 | 480 | 510 | 540 | 600 | |
| | NUMBER GROOVES | NUMBER GROOVES | L | L | L | L | L | L | L | L | L | L | L | L | L | L | L | |
| 3.53 | 17 | 60 | - | - | 5.7 | 6.5 | 7.3 | 8.5 | 9.7 | 10.9 | 12.0 | 13.5 | 15.1 | 16.6 | 18.1 | 19.6 | 22.6 | |
| 3.60 | 10 | 36 | 7.5 ④ | 8.3 ④ | 9.1 ④ | 9.8 ④ | 10.6 ④ | 11.7 ④ | 12.8 ④ | 14.0 ④ | 15.1 ④ | 16.6 ④ | 18.1 ④ | 19.6 ④ | 21.1 ④ | 22.6 ④ | 25.6 ④ | |
| 3.60 | 20 | 72 | - | - | - | - | - | 6.8 | 8.0 | 9.2 | 10.4 | 12.0 | 13.5 | 15.1 | 16.6 | 18.1 | 21.2 | |
| 3.67 | 12 | 44 | 6.5 ④ | 7.3 ④ | 8.0 ⑤ | 8.8 ⑤ | 9.6 ⑤ | 10.7 ⑤ | 11.8 ⑤ | 13.0 ⑤ | 14.1 ⑤ | 15.6 ⑤ | 17.1 ⑤ | 18.7 ⑤ | 20.2 ⑤ | 21.7 ⑤ | 24.7 ⑤ | |
| 3.69 | 13 | 48 | 5.9 ⑤ | 6.7 ⑤ | 7.5 ⑤ | 8.3 ⑤ | 9.0 ⑤ | 10.2 ⑤ | 11.3 ⑤ | 12.5 ⑤ | 13.6 ⑤ | 15.1 ⑤ | 16.7 ⑤ | 18.2 ⑤ | 19.7 ⑤ | 21.2 ⑤ | 24.2 ⑤ | |
| 3.69 | 26 | 96 | - | - | - | - | - | - | - | - | - | 8.6 | 10.2 | 11.8 | 13.4 | 15.0 | 18.1 | |
| 3.75 | 16 | 60 | - | 4.9 ⑤ | 5.8 ⑤ | 6.6 ⑤ | 7.4 | 8.6 | 9.8 | 10.9 | 12.1 | 13.6 | 15.2 | 16.7 | 18.2 | 19.7 | 22.7 | |
| 3.75 | 32 | 120 | - | - | - | - | - | - | - | - | - | - | - | - | 9.9 | 11.6 | 14.8 | |
| 3.79 | 19 | 72 | - | - | - | - | - | 6.9 | 8.1 | 9.3 | 10.5 | 12.1 | 13.6 | 15.1 | 16.7 | 18.2 | 21.2 | |
| 3.82 | 22 | 84 | - | - | - | - | - | - | 7.5 | 8.8 | 10.4 | 12.0 | 13.6 | 15.1 | 16.7 | 19.7 | - | |
| 4.00 | 10 | 40 | 7.1 ④ | 7.9 ④ | 8.6 ④ | 9.4 ④ | 10.2 ④ | 11.3 ④ | 12.4 ④ | 13.6 ④ | 14.7 ④ | 16.2 ④ | 17.7 ④ | 19.2 ④ | 20.7 ④ | 22.2 ④ | 25.3 ④ | |
| 4.00 | 12 | 48 | 6.0 ④ | 6.8 ④ | 7.6 ④ | 8.4 ⑤ | 9.1 ⑤ | 10.3 ⑤ | 11.4 ⑤ | 12.6 ⑤ | 13.7 ⑤ | 15.2 ⑤ | 16.7 ⑤ | 18.3 ⑤ | 19.8 ⑤ | 21.3 ⑤ | 24.3 ⑤ | |
| 4.00 | 15 | 60 | - | 5.0 ④ | 5.9 ⑤ | 6.7 ⑤ | 7.5 ⑤ | 8.7 | 9.9 | 11.0 | 12.2 | 13.7 | 15.2 | 16.8 | 18.3 | 19.8 | 22.8 | |
| 4.00 | 18 | 72 | - | - | - | - | - | 7.0 | 8.2 | 9.4 | 10.6 | 12.1 | 13.7 | 15.2 | 16.8 | 18.3 | 21.3 | |
| 4.00 | 21 | 84 | - | - | - | - | - | - | - | 7.6 | 8.9 | 10.5 | 12.1 | 13.6 | 15.2 | 16.7 | 19.8 | |
| 4.00 | 24 | 96 | - | - | - | - | - | - | - | - | - | 8.7 | 10.4 | 12.0 | 13.6 | 15.1 | 18.3 | |
| 4.00 | 30 | 120 | - | - | - | - | - | - | - | - | - | - | - | - | 10.0 | 11.7 | 15.0 | |
| 4.20 | 20 | 84 | - | - | - | - | - | - | - | 7.7 | 8.9 | 10.6 | 12.2 | 13.7 | 15.3 | 16.8 | 19.9 | |
| 4.24 | 17 | 72 | - | - | - | - | 5.7 ⑤ | 7.0 ⑤ | 8.3 | 9.5 | 10.7 | 12.2 | 13.8 | 15.3 | 16.8 | 18.4 | 21.4 | |
| 4.29 | 14 | 60 | - | 5.1 ④ | 5.9 ④ | 6.8 ⑤ | 7.6 ⑤ | 8.8 ⑤ | 9.9 ⑤ | 11.1 ⑤ | 12.3 | 13.8 | 15.3 | 16.8 | 18.4 | 19.9 | 22.9 | |
| 4.29 | 28 | 120 | - | - | - | - | - | - | - | - | - | - | - | - | 10.2 | 11.9 | 15.1 | |
| 4.36 | 22 | 96 | - | - | - | - | - | - | - | - | - | 8.9 | 10.5 | 12.1 | 13.7 | 15.3 | 18.4 | |
| 4.40 | 10 | 44 | 6.6 ④ | 7.4 ④ | 8.2 ④ | 9.0 ④ | 9.7 ④ | 10.9 ④ | 12.0 ④ | 13.2 ④ | 14.3 ④ | 15.8 ④ | 17.3 ④ | 18.8 ④ | 20.3 ④ | 21.8 ④ | 24.9 ④ | |
| 4.42 | 19 | 84 | - | - | - | - | - | - | - | 7.8 | 9.0 | 10.6 | 12.2 | 13.8 | 15.4 | 16.9 | 20.0 | |
| 4.50 | 16 | 72 | - | - | - | - | 5.8 ⑤ | 7.1 ⑤ | 8.3 ⑤ | 9.5 | 10.7 | 12.3 | 13.9 | 15.4 | 16.9 | 18.5 | 21.5 | |
| 4.57 | 21 | 96 | - | - | - | - | - | - | - | - | - | 8.9 | 10.6 | 12.2 | 13.8 | 15.4 | 18.5 | |
| 4.62 | 13 | 60 | - | 5.2 ④ | 6.0 ④ | 6.8 ④ | 7.6 ④ | 8.8 ⑤ | 10.0 ⑤ | 11.2 ⑤ | 12.3 ⑤ | 13.9 ⑤ | 15.4 ⑤ | 16.9 ⑤ | 18.4 ⑤ | 20.0 ⑤ | 23.0 ⑤ | |
| 4.62 | 26 | 120 | - | - | - | - | - | - | - | - | - | - | - | - | 10.3 | 12.0 | 15.3 | |
| 4.67 | 18 | 84 | - | - | - | - | - | - | 6.5 ⑤ | 7.8 | 9.1 | 10.7 | 12.3 | 13.9 | 15.4 | 17.0 | 20.1 | |
| 4.80 | 10 | 48 | 6.1 ③ | 6.9 ③ | 7.7 ④ | 8.5 ④ | 9.3 ④ | 10.4 ④ | 11.6 ④ | 12.7 ④ | 13.9 ④ | 15.4 ④ | 16.9 ④ | 18.4 ④ | 19.9 ④ | 21.4 ④ | 24.5 ④ | |
| 4.80 | 15 | 72 | - | - | - | - | 5.9 ④ | 7.2 ⑤ | 8.4 ⑤ | 9.6 ⑤ | 10.8 | 12.4 | 13.9 | 15.5 | 17.0 | 18.5 | 21.6 | |
| 4.80 | 20 | 96 | - | - | - | - | - | - | - | - | - | 9.0 | 10.7 | 12.3 | 13.9 | 15.5 | 18.6 | |
| 4.94 | 17 | 84 | - | - | - | - | - | - | 6.6 ⑤ | 7.9 ⑤ | 9.2 | 10.8 | 12.4 | 14.0 | 15.5 | 17.1 | 20.1 | |
| 5.00 | 12 | 60 | - | 5.2 ③ | 6.1 ④ | 6.9 ④ | 7.7 ④ | 8.9 ④ | 10.1 ④ | 11.3 ⑤ | 12.4 ⑤ | 14.0 ⑤ | 15.5 ⑤ | 17.0 ⑤ | 18.5 ⑤ | 20.0 ⑤ | 23.1 ⑤ | |
| 5.00 | 24 | 120 | - | - | - | - | - | - | - | - | - | - | - | - | 10.5 | 12.2 | 15.4 | |
| 5.05 | 19 | 96 | - | - | - | - | - | - | - | - | 7.3 ⑤ | 9.1 | 10.7 | 12.4 | 14.0 | 15.5 | 18.7 | |
| 5.14 | 14 | 72 | - | - | - | - | 6.0 ④ | 7.2 ④ | 8.5 ⑤ | 9.7 ⑤ | 10.9 ⑤ | 12.5 ⑤ | 14.0 ⑤ | 15.6 | 17.1 | 18.6 | 21.7 | |
| 5.25 | 16 | 84 | - | - | - | - | - | - | 6.7 ④ | 8.0 ⑤ | 9.2 ⑤ | 10.9 | 12.5 | 14.0 | 15.6 | 17.1 | 20.2 | |
| 5.33 | 18 | 96 | - | - | - | - | - | - | - | - | 7.4 ⑤ | 9.1 | 10.8 | 12.5 | 14.0 | 15.6 | 18.7 | |
| 5.45 | 22 | 120 | - | - | - | - | - | - | - | - | - | - | - | - | 10.6 | 12.3 | 15.6 | |
| 5.54 | 13 | 72 | - | - | - | - | 6.0 ④ | 7.3 ④ | 8.6 ④ | 9.8 ⑤ | 11.0 ⑤ | 12.5 ⑤ | 14.1 ⑤ | 15.6 ⑤ | 17.2 ⑤ | 18.7 ⑤ | 21.8 ⑤ | |
| 5.60 | 15 | 84 | - | - | - | - | - | - | 6.7 ④ | 8.1 ⑤ | 9.3 ⑤ | 11.0 ⑤ | 12.5 ⑤ | 14.1 | 15.7 | 17.2 | 20.3 | |
| 5.65 | 17 | 96 | - | - | - | - | - | - | - | - | 7.5 ⑤ | 9.2 ⑤ | 10.9 | 12.5 | 14.1 | 15.7 | 18.8 | |
| 5.71 | 21 | 120 | - | - | - | - | - | - | - | - | - | - | - | 8.9 | 10.7 | 12.4 | 15.7 | |
| 6.00 | 10 | 60 | - | 5.4 ③ | 6.2 ③ | 7.1 ③ | 7.9 ③ | 9.1 ③ | 10.3 ④ | 11.4 ④ | 12.6 ④ | 14.1 ④ | 15.7 ④ | 17.2 ④ | 18.7 ④ | 20.2 ④ | 23.2 ④ | |
| 6.00 | 12 | 72 | - | - | - | - | 6.1 ③ | 7.4 ④ | 8.6 ④ | 9.9 ④ | 11.1 ④ | 12.6 ④ | 14.2 ⑤ | 15.7 ⑤ | 17.3 ⑤ | 18.8 ⑤ | 21.8 ⑤ | |
| 6.00 | 14 | 84 | - | - | - | - | - | - | 6.8 ④ | 8.1 ④ | 9.4 ⑤ | 11.0 ⑤ | 12.6 ⑤ | 14.2 ⑤ | 15.8 ⑤ | 17.3 ⑤ | 20.4 | |
| 6.00 | 16 | 96 | - | - | - | - | - | - | - | - | 7.5 ④ | 9.3 ⑤ | 11.0 ⑤ | 12.6 | 14.2 | 15.8 | 18.9 | |
| 6.00 | 20 | 120 | - | - | - | - | - | - | - | - | - | 9.0 ⑤ | 10.8 | 12.5 | 14.1 | 15.8 | 18.9 | |
| 6.32 | 19 | 120 | - | - | - | - | - | - | - | - | - | - | - | 9.0 ⑤ | 10.8 | 12.5 | 15.8 | |
| 6.40 | 15 | 96 | - | - | - | - | - | - | - | - | 7.6 ④ | 9.4 ⑤ | 11.0 ⑤ | 12.7 ⑤ | 14.3 ⑤ | 15.9 | 19.0 | |
| 6.46 | 13 | 84 | - | - | - | - | - | - | 6.9 ③ | 8.2 ④ | 9.5 ④ | 11.1 ④ | 12.7 ⑤ | 14.3 ⑤ | 15.8 ⑤ | 17.4 ⑤ | 20.5 ⑤ | |
| 6.67 | 18 | 120 | - | - | - | - | - | - | - | - | - | - | - | 9.1 ⑤ | 10.9 ⑤ | 12.6 | 15.9 | |
| 6.86 | 14 | 96 | - | - | - | - | - | - | - | - | 7.7 ④ | 9.4 ④ | 11.1 ⑤ | 12.8 ⑤ | 14.4 ⑤ | 15.9 ⑤ | 19.1 ⑤ | |
| 7.00 | 12 | 84 | - | - | - | - | - | - | - | 7.0 ③ | 8.3 ④ | 9.5 ④ | 11.2 ④ | 12.8 ④ | 14.4 ④ | 15.9 ④ | 20.6 ⑤ | |
| 7.06 | 17 | 120 | - | - | - | - | - | - | - | - | - | - | - | 9.2 ④ | 11.0 ⑤ | 12.7 ⑤ | 16.0 | |
| 7.20 | 10 | 72 | - | - | - | - | 5.3 ② | 6.2 ③ | 7.5 ③ | 8.8 ③ | 10.0 ③ | 11.2 ③ | 12.8 ④ | 14.3 ④ | 15.9 ④ | 17.4 ④ | 22.0 ④ | |
| 7.38 | 13 | 96 | - | - | - | - | - | - | - | - | - | 7.7 ③ | 9.5 ④ | 11.2 ④ | 12.8 ④ | 14.4 ⑤ | 16.0 ⑤ | |
| 7.50 | 16 | 120 | - | - | - | - | - | - | - | - | - | - | - | 9.2 ④ | 11.0 ⑤ | 12.8 ⑤ | 16.1 | |
| 8.00 | 12 | 96 | - | - | - | - | - | - | - | - | - | 7.8 ③ | 9.6 ④ | 11.3 ④ | 12.9 ④ | 14.5 ④ | 16.1 ⑤ | |
| 8.00 | 15 | 120 | - | - | - | - | - | - | - | - | - | - | - | 9.3 ④ | 11.1 ④ | 12.8 ⑤ | 16.1 ⑤ | |
| 8.40 | 10 | 84 | - | - | - | - | - | - | - | 7.1 ③ | 8.4 ③ | 9.7 ③ | 11.3 ③ | 12.9 ③ | 14.5 ④ | 16.1 ④ | 20.7 ④ | |
| 8.57 | 14 | 120 | - | - | - | - | - | - | - | - | - | - | - | 9.4 ④ | 11.2 ④ | 12.9 ④ | 16.2 ⑤ | |
| 9.23 | 13 | 120 | - | - | - | - | - | - | - | - | - | - | - | 9.5 ③ | 11.3 ④ | 13.0 ④ | 16.3 ④ | |
| 9.60 | 10 | 96 | - | - | - | - | - | - | - | - | - | 8.0 ② | 9.7 ③ | 11.4 ③ | 13.1 ③ | 14.7 ③ | 19.4 ④ | |
| 10.00 | 12 | 120 | - | - | - | - | - | - | - | - | - | - | - | 9.5 ③ | 11.3 ③ | 13.1 ③ | 16.4 ④ | |
| 12.00 | 10 | 120 | - | - | - | - | - | - | - | - | - | - | - | 9.7 ② | 11.5 ③ | 13.2 ③ | 16.5 ③ | |

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "240L" belt is 24 inches long and is for use with 3/8 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 075 to this number (making the complete part number read "240L075") indicates that the belt is 3/4 inch wide.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

| TEETH IN MESH | FACTOR |
|---------------|--------|
| ⑤ | .8 |
| ④ | .6 |
| ③ | .4 |
| ② | .2 |

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

TABLE No. 1

7/8" PITCH DRIVE TABLE

| NOMINAL RATIO | PULLEY COMBINATION | | | | AVAIL-ABLE BELT WIDTHS | | | DRIVEN SPEEDS AND HORSEPOWER FOR 1" WIDE BELT | | | | | |
|---------------|--------------------|------------|----------------|------------|------------------------|-----|-----|---|----------------|----------------|----------------|---------------|----------------|
| | DRIVER | | DRIVEN | | | | | 1750 RPM MOTOR | | 1160 RPM MOTOR | | 870 RPM MOTOR | |
| | NUMBER GROOVES | PITCH DIA. | NUMBER GROOVES | PITCH DIA. | 200 | 300 | 400 | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT |
| 1.00 | 18 | 5.013 | 18 | 5.013 | X | X | X | 1750 | *12.63 | 1160 | *8.62 | 870 | *6.53 |
| 1.00 | 20 | 5.570 | 20 | 5.570 | X | X | X | 1750 | *13.86 | 1160 | *9.53 | 870 | *7.23 |
| 1.00 | 21 | 5.849 | 21 | 5.849 | X | X | - | 1750 | *14.45 | 1160 | *9.97 | 870 | *7.58 |
| 1.00 | 22 | 6.127 | 22 | 6.127 | X | X | X | 1750 | *15.03 | 1160 | *10.42 | 870 | 7.93 |
| 1.00 | 23 | 6.406 | 23 | 6.406 | X | X | X | 1750 | *15.60 | 1160 | *10.86 | 870 | 8.27 |
| 1.00 | 24 | 6.685 | 24 | 6.685 | X | X | X | 1750 | *16.15 | 1160 | 11.29 | 870 | 8.62 |
| 1.00 | 25 | 6.963 | 25 | 6.963 | X | X | - | 1750 | *16.68 | 1160 | 11.72 | 870 | 8.96 |
| 1.00 | 26 | 7.242 | 26 | 7.242 | X | X | X | 1750 | 17.20 | 1160 | 12.14 | 870 | 9.30 |
| 1.00 | 27 | 7.520 | 27 | 7.520 | X | X | - | 1750 | 17.70 | 1160 | 12.56 | 870 | 9.64 |
| 1.00 | 28 | 7.799 | 28 | 7.799 | X | X | X | 1750 | 18.18 | 1160 | 12.98 | 870 | 9.97 |
| 1.00 | 29 | 8.077 | 29 | 8.077 | X | X | - | 1750 | 18.64 | 1160 | 13.39 | 870 | 10.31 |
| 1.00 | 30 | 8.356 | 30 | 8.356 | X | X | X | 1750 | 19.08 | 1160 | 13.79 | 870 | 10.64 |
| 1.00 | 32 | 8.913 | 32 | 8.913 | X | X | X | 1750 | 19.90 | 1160 | 14.58 | 870 | 11.29 |
| 1.00 | 36 | 10.027 | 36 | 10.027 | X | X | X | 1750 | 21.27 | 1160 | 16.08 | 870 | 12.56 |
| 1.00 | 40 | 11.141 | 40 | 11.141 | X | X | X | 1750 | 22.25 | 1160 | 17.46 | 870 | 13.79 |
| 1.03 | 29 | 8.077 | 30 | 8.356 | X | X | - | 1692 | 18.64 | 1121 | 13.39 | 841 | 10.31 |
| 1.04 | 23 | 6.406 | 24 | 6.685 | X | X | X | 1677 | *15.60 | 1112 | *10.86 | 834 | 8.27 |
| 1.04 | 24 | 6.685 | 25 | 6.963 | X | X | - | 1680 | *16.15 | 1114 | 11.29 | 835 | 8.62 |
| 1.04 | 25 | 6.963 | 26 | 7.242 | X | X | - | 1683 | *16.68 | 1115 | 11.72 | 837 | 8.96 |
| 1.04 | 26 | 7.242 | 27 | 7.520 | X | X | - | 1685 | 17.20 | 1117 | 12.14 | 838 | 9.30 |
| 1.04 | 27 | 7.520 | 28 | 7.799 | X | X | - | 1688 | 17.70 | 1119 | 12.56 | 839 | 9.64 |
| 1.04 | 28 | 7.799 | 29 | 8.077 | X | X | - | 1690 | 18.18 | 1120 | 12.98 | 840 | 9.97 |
| 1.05 | 20 | 5.570 | 21 | 5.849 | X | X | - | 1667 | *13.86 | 1105 | *9.53 | 829 | *7.23 |
| 1.05 | 21 | 5.849 | 22 | 6.127 | X | X | - | 1670 | *14.45 | 1107 | *9.97 | 830 | *7.58 |
| 1.05 | 22 | 6.127 | 23 | 6.406 | X | X | X | 1674 | *15.03 | 1110 | *10.42 | 832 | 7.93 |
| 1.07 | 27 | 7.520 | 29 | 8.077 | X | X | - | 1629 | 17.70 | 1080 | 12.56 | 810 | 9.64 |
| 1.07 | 28 | 7.799 | 30 | 8.356 | X | X | X | 1633 | 18.18 | 1083 | 12.98 | 812 | 9.97 |
| 1.07 | 30 | 8.356 | 32 | 8.913 | X | X | X | 1641 | 19.08 | 1088 | 13.79 | 816 | 10.64 |
| 1.08 | 24 | 6.685 | 26 | 7.242 | X | X | X | 1615 | *16.15 | 1071 | 11.29 | 803 | 8.62 |
| 1.08 | 25 | 6.963 | 27 | 7.520 | X | X | - | 1620 | *16.68 | 1074 | 11.72 | 806 | 8.96 |
| 1.08 | 26 | 7.242 | 28 | 7.799 | X | X | X | 1625 | 17.20 | 1077 | 12.14 | 808 | 9.30 |
| 1.09 | 22 | 6.127 | 24 | 6.685 | X | X | X | 1604 | *15.03 | 1063 | *10.42 | 798 | 7.93 |
| 1.09 | 23 | 6.406 | 25 | 6.963 | X | X | - | 1610 | *15.60 | 1067 | *10.86 | 800 | 8.27 |
| 1.10 | 20 | 5.570 | 22 | 6.127 | X | X | X | 1591 | *13.86 | 1055 | *9.53 | 791 | *7.23 |
| 1.10 | 21 | 5.849 | 23 | 6.406 | X | X | - | 1598 | *14.45 | 1059 | *9.97 | 794 | *7.58 |
| 1.10 | 29 | 8.077 | 32 | 8.913 | X | X | - | 1586 | 18.64 | 1051 | 13.39 | 788 | 10.31 |
| 1.11 | 18 | 5.013 | 20 | 5.570 | X | X | X | 1575 | *12.63 | 1044 | *8.62 | 783 | *6.53 |
| 1.11 | 27 | 7.520 | 30 | 8.356 | X | X | - | 1575 | 17.70 | 1044 | 12.56 | 783 | 9.64 |
| 1.11 | 36 | 10.027 | 40 | 11.141 | X | X | X | 1575 | 21.27 | 1044 | 16.08 | 783 | 12.56 |
| 1.12 | 25 | 6.963 | 28 | 7.799 | X | X | - | 1562 | *16.68 | 1036 | 11.72 | 777 | 8.96 |
| 1.12 | 26 | 7.242 | 29 | 8.077 | X | X | - | 1569 | 17.20 | 1040 | 12.14 | 780 | 9.30 |
| 1.13 | 24 | 6.685 | 27 | 7.520 | X | X | - | 1556 | *16.15 | 1031 | 11.29 | 773 | 8.62 |
| 1.13 | 23 | 6.406 | 26 | 7.242 | X | X | X | 1548 | *15.60 | 1026 | *10.86 | 770 | 8.27 |
| 1.13 | 32 | 8.913 | 36 | 10.027 | X | X | X | 1556 | 19.90 | 1031 | 14.58 | 773 | 11.29 |
| 1.14 | 21 | 5.849 | 24 | 6.685 | X | X | - | 1531 | *14.45 | 1015 | *9.97 | 761 | *7.58 |
| 1.14 | 22 | 6.127 | 25 | 6.963 | X | X | - | 1540 | *15.03 | 1021 | *10.42 | 766 | 7.93 |
| 1.14 | 28 | 7.799 | 32 | 8.913 | X | X | X | 1531 | 18.18 | 1015 | 12.98 | 761 | 9.97 |
| 1.15 | 20 | 5.570 | 23 | 6.406 | X | X | X | 1522 | *13.86 | 1009 | *9.53 | 757 | *7.23 |
| 1.15 | 26 | 7.242 | 30 | 8.356 | X | X | X | 1517 | 17.20 | 1005 | 12.14 | 754 | 9.30 |
| 1.16 | 25 | 6.963 | 29 | 8.077 | X | X | - | 1509 | *16.68 | 1000 | 11.72 | 750 | 8.96 |
| 1.17 | 18 | 5.013 | 21 | 5.849 | X | X | - | 1500 | *12.63 | 994 | *8.62 | 746 | *6.53 |
| 1.17 | 23 | 6.406 | 27 | 7.520 | X | X | - | 1491 | *15.60 | 988 | *10.86 | 741 | 8.27 |
| 1.17 | 24 | 6.685 | 28 | 7.799 | X | X | X | 1500 | *16.15 | 994 | 11.29 | 746 | 8.62 |
| 1.18 | 22 | 6.127 | 26 | 7.242 | X | X | X | 1481 | *15.03 | 982 | *10.42 | 736 | 7.93 |
| 1.19 | 21 | 5.849 | 25 | 6.963 | X | X | - | 1470 | *14.45 | 974 | *9.97 | 731 | *7.58 |
| 1.19 | 27 | 7.520 | 32 | 8.913 | X | X | - | 1477 | 17.70 | 979 | 12.56 | 734 | 9.64 |
| 1.20 | 20 | 5.570 | 24 | 6.685 | X | X | X | 1458 | *13.86 | 967 | *9.53 | 725 | *7.23 |
| 1.20 | 25 | 6.963 | 30 | 8.356 | X | X | - | 1458 | *16.68 | 967 | 11.72 | 725 | 8.96 |
| 1.20 | 30 | 8.356 | 36 | 10.027 | X | X | X | 1458 | 19.08 | 967 | 13.79 | 725 | 10.64 |
| 1.20 | 40 | 11.141 | 48 | 13.369 | X | X | X | 1458 | 22.25 | 967 | 17.46 | 725 | 13.79 |
| 1.21 | 24 | 6.685 | 29 | 8.077 | X | X | - | 1448 | *16.15 | 960 | 11.29 | 720 | 8.62 |
| 1.22 | 18 | 5.013 | 22 | 6.127 | X | X | X | 1432 | *12.63 | 949 | *8.62 | 712 | *6.53 |
| 1.22 | 23 | 6.406 | 28 | 7.799 | X | X | X | 1438 | *15.60 | 953 | *10.86 | 715 | 8.27 |
| 1.23 | 22 | 6.127 | 27 | 7.520 | X | X | - | 1426 | *15.03 | 945 | *10.42 | 709 | 7.93 |
| 1.23 | 26 | 7.242 | 32 | 8.913 | X | X | X | 1422 | 17.20 | 943 | 12.14 | 707 | 9.30 |
| 1.24 | 21 | 5.849 | 26 | 7.242 | X | X | - | 1413 | *14.45 | 937 | *9.97 | 703 | *7.58 |
| 1.24 | 29 | 8.077 | 36 | 10.027 | X | X | - | 1410 | 18.64 | 934 | 13.39 | 701 | 10.31 |
| 1.25 | 20 | 5.570 | 25 | 6.963 | X | X | - | 1400 | *13.86 | 928 | *9.53 | 696 | *7.23 |
| 1.25 | 24 | 6.685 | 30 | 8.356 | X | X | X | 1400 | *16.15 | 928 | 11.29 | 696 | 8.62 |
| 1.25 | 32 | 8.913 | 40 | 11.141 | X | X | X | 1400 | 19.90 | 928 | 14.58 | 696 | 11.29 |

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page D-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width." Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

| EFFECTIVE BELT WIDTH..... | 1.00" | 1.29" | 1.56" | 2.14" | 2.72" | 3.36" | 4.76" | 6.15" | 7.50" | 10.32" | 13.10" | 15.84" | 18.62" |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| ACTUAL BELT WIDTH..... | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 |

*This rating is for a pulley below the minimum recommended on page D-22 and, therefore, a reduction in belt life should be expected.

TABLE No. 1 $\frac{7}{8}$ " PITCH DRIVE TABLE

| NOMINAL RATIO | PULLEY COMBINATION | | NOMINAL CENTER DISTANCES USING BROWNING® GEARBELT® BELTS | | | | | | | | | | | |
|---------------|--------------------|----------------|--|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| | DRIVER | DRIVEN | 507 XH | 560 XH | 630 XH | 700 XH | 770 XH | 840 XH | 980 XH | 1120 XH | 1260 XH | 1400 XH | 1540 XH | 1750 XH |
| | NUMBER GROOVES | NUMBER GROOVES | | | | | | | | | | | | |
| 1.00 | 18 | 18 | 17.5 | 20.1 | 23.6 | 27.1 | 30.6 | 34.1 | 41.1 | 48.1 | 55.1 | 62.1 | 69.1 | 79.6 |
| 1.00 | 20 | 20 | 16.6 | 19.3 | 22.8 | 26.3 | 29.8 | 33.3 | 40.3 | 47.3 | 54.3 | 61.3 | 68.3 | 78.8 |
| 1.00 | 21 | 21 | 16.2 | 18.8 | 22.3 | 25.8 | 29.3 | 32.8 | 39.8 | 46.8 | 53.8 | 60.8 | 67.8 | 78.3 |
| 1.00 | 22 | 22 | 15.8 | 18.4 | 21.9 | 25.4 | 28.9 | 32.4 | 39.4 | 46.4 | 53.4 | 60.4 | 67.4 | 77.9 |
| 1.00 | 23 | 23 | 15.3 | 17.9 | 21.4 | 24.9 | 28.4 | 31.9 | 38.9 | 45.9 | 52.9 | 59.9 | 66.9 | 77.4 |
| 1.00 | 24 | 24 | 14.9 | 17.5 | 21.0 | 24.5 | 28.0 | 31.5 | 38.5 | 45.5 | 52.5 | 59.5 | 66.5 | 77.0 |
| 1.00 | 25 | 25 | 14.4 | 17.1 | 20.6 | 24.1 | 27.6 | 31.1 | 38.1 | 45.1 | 52.1 | 59.1 | 66.1 | 76.6 |
| 1.00 | 26 | 26 | 14.0 | 16.6 | 20.1 | 23.6 | 27.1 | 30.6 | 37.6 | 44.6 | 51.6 | 58.6 | 65.6 | 76.1 |
| 1.00 | 27 | 27 | 13.6 | 16.2 | 19.7 | 23.2 | 26.7 | 30.2 | 37.2 | 44.2 | 51.2 | 58.2 | 65.2 | 75.7 |
| 1.00 | 28 | 28 | 13.1 | 15.8 | 19.3 | 22.8 | 26.3 | 29.8 | 36.8 | 43.8 | 50.8 | 57.8 | 64.8 | 75.3 |
| 1.00 | 29 | 29 | 12.7 | 15.3 | 18.8 | 22.3 | 25.8 | 29.3 | 36.3 | 43.3 | 50.3 | 57.3 | 64.3 | 74.8 |
| 1.00 | 30 | 30 | 12.3 | 14.9 | 18.4 | 21.9 | 25.4 | 28.9 | 35.9 | 42.9 | 49.9 | 56.9 | 63.9 | 74.4 |
| 1.00 | 32 | 32 | 11.4 | 14.0 | 17.5 | 21.0 | 24.5 | 28.0 | 35.0 | 42.0 | 49.0 | 56.0 | 63.0 | 73.5 |
| 1.00 | 36 | 36 | - | 12.3 | 15.8 | 19.3 | 22.8 | 26.3 | 33.3 | 40.3 | 47.3 | 54.3 | 61.3 | 71.8 |
| 1.00 | 40 | 40 | - | - | 14.0 | 17.5 | 21.0 | 24.5 | 31.5 | 38.5 | 45.5 | 52.5 | 59.5 | 70.0 |
| 1.03 | 29 | 30 | 12.5 | 15.1 | 18.6 | 22.1 | 25.6 | 29.1 | 36.1 | 43.1 | 50.1 | 57.1 | 64.1 | 74.6 |
| 1.04 | 23 | 24 | 15.1 | 17.7 | 21.2 | 24.7 | 28.2 | 31.7 | 38.7 | 45.7 | 52.7 | 59.7 | 66.7 | 77.2 |
| 1.04 | 24 | 25 | 14.7 | 17.3 | 20.8 | 24.3 | 27.8 | 31.3 | 38.3 | 45.3 | 52.3 | 59.3 | 66.3 | 76.8 |
| 1.04 | 25 | 26 | 14.2 | 16.8 | 20.3 | 23.8 | 27.3 | 30.8 | 37.8 | 44.8 | 51.8 | 58.8 | 65.8 | 76.3 |
| 1.04 | 26 | 27 | 13.8 | 16.4 | 19.9 | 23.4 | 26.9 | 30.4 | 37.4 | 44.4 | 51.4 | 58.4 | 65.4 | 75.9 |
| 1.04 | 27 | 28 | 13.3 | 16.0 | 19.5 | 23.0 | 26.5 | 30.0 | 37.0 | 44.0 | 51.0 | 58.0 | 65.0 | 75.5 |
| 1.04 | 28 | 29 | 12.9 | 15.5 | 19.0 | 22.5 | 26.0 | 29.5 | 36.5 | 43.5 | 50.5 | 57.5 | 64.5 | 75.0 |
| 1.05 | 20 | 21 | 16.4 | 19.0 | 22.5 | 26.0 | 29.5 | 33.0 | 40.0 | 47.0 | 54.0 | 61.0 | 68.0 | 78.5 |
| 1.05 | 21 | 22 | 16.0 | 18.6 | 22.1 | 25.6 | 29.1 | 32.6 | 39.6 | 46.6 | 53.6 | 60.6 | 67.6 | 78.1 |
| 1.05 | 22 | 23 | 15.5 | 18.2 | 21.7 | 25.2 | 28.7 | 32.2 | 39.2 | 46.2 | 53.2 | 60.2 | 67.2 | 77.7 |
| 1.07 | 27 | 29 | 13.1 | 15.8 | 19.3 | 22.8 | 26.3 | 29.8 | 36.8 | 43.8 | 50.8 | 57.8 | 64.8 | 75.3 |
| 1.07 | 28 | 30 | 12.7 | 15.3 | 18.8 | 22.3 | 25.8 | 29.3 | 36.3 | 43.3 | 50.3 | 57.3 | 64.3 | 74.8 |
| 1.07 | 30 | 32 | 11.8 | 14.4 | 17.9 | 21.4 | 24.9 | 28.4 | 35.4 | 42.4 | 49.4 | 56.4 | 63.4 | 73.9 |
| 1.08 | 24 | 26 | 14.4 | 17.1 | 20.6 | 24.1 | 27.6 | 31.1 | 38.1 | 45.1 | 52.1 | 59.1 | 66.1 | 76.6 |
| 1.08 | 25 | 27 | 14.0 | 16.6 | 20.1 | 23.6 | 27.1 | 30.6 | 37.6 | 44.6 | 51.6 | 58.6 | 65.6 | 76.1 |
| 1.08 | 26 | 28 | 13.6 | 16.2 | 19.7 | 23.2 | 26.7 | 30.2 | 37.2 | 44.2 | 51.2 | 58.2 | 65.2 | 75.7 |
| 1.09 | 22 | 24 | 15.3 | 17.9 | 21.4 | 24.9 | 28.4 | 31.9 | 38.9 | 45.9 | 52.9 | 59.9 | 66.9 | 77.4 |
| 1.09 | 23 | 25 | 14.9 | 17.5 | 21.0 | 24.5 | 28.0 | 31.5 | 38.5 | 45.5 | 52.5 | 59.5 | 66.5 | 77.0 |
| 1.10 | 20 | 22 | 16.2 | 18.8 | 22.3 | 25.8 | 29.3 | 32.8 | 39.8 | 46.8 | 53.8 | 60.8 | 67.8 | 78.3 |
| 1.10 | 21 | 23 | 15.8 | 18.4 | 21.9 | 25.4 | 28.9 | 32.4 | 39.4 | 46.4 | 53.4 | 60.4 | 67.4 | 77.9 |
| 1.10 | 29 | 32 | 12.0 | 14.7 | 18.2 | 21.7 | 25.2 | 28.7 | 35.7 | 42.7 | 49.7 | 56.7 | 63.7 | 74.2 |
| 1.11 | 18 | 20 | 17.1 | 19.7 | 23.2 | 26.7 | 30.2 | 33.7 | 40.7 | 47.7 | 54.7 | 61.7 | 68.7 | 79.2 |
| 1.11 | 27 | 30 | 12.9 | 15.5 | 19.0 | 22.5 | 26.0 | 29.5 | 36.5 | 43.5 | 50.5 | 57.5 | 64.5 | 75.0 |
| 1.11 | 36 | 40 | - | - | 14.9 | 18.4 | 21.9 | 25.4 | 32.4 | 39.4 | 46.4 | 53.4 | 60.4 | 70.9 |
| 1.12 | 25 | 28 | 13.8 | 16.4 | 19.9 | 23.4 | 26.9 | 30.4 | 37.4 | 44.4 | 51.4 | 58.4 | 65.4 | 75.9 |
| 1.12 | 26 | 29 | 13.3 | 16.0 | 19.5 | 23.0 | 26.5 | 30.0 | 37.0 | 44.0 | 51.0 | 58.0 | 65.0 | 75.5 |
| 1.13 | 24 | 27 | 14.2 | 16.8 | 20.3 | 23.8 | 27.3 | 30.8 | 37.8 | 44.8 | 51.8 | 58.8 | 65.8 | 76.3 |
| 1.13 | 23 | 26 | 14.7 | 17.3 | 20.8 | 24.3 | 27.8 | 31.3 | 38.3 | 45.3 | 52.3 | 59.3 | 66.3 | 76.8 |
| 1.13 | 32 | 36 | 10.5 | 13.1 | 16.6 | 20.1 | 23.6 | 27.1 | 34.1 | 41.1 | 48.1 | 55.1 | 62.1 | 72.6 |
| 1.14 | 21 | 24 | 15.5 | 18.2 | 21.7 | 25.2 | 28.7 | 32.2 | 39.2 | 46.2 | 53.2 | 60.2 | 67.2 | 77.7 |
| 1.14 | 22 | 25 | 15.1 | 17.7 | 21.2 | 24.7 | 28.2 | 31.7 | 38.7 | 45.7 | 52.7 | 59.7 | 66.7 | 77.2 |
| 1.14 | 28 | 32 | 12.2 | 14.9 | 18.4 | 21.9 | 25.4 | 28.9 | 35.9 | 42.9 | 49.9 | 56.9 | 63.9 | 74.4 |
| 1.15 | 20 | 23 | 16.0 | 18.6 | 22.1 | 25.6 | 29.1 | 32.6 | 39.6 | 46.6 | 53.6 | 60.6 | 67.6 | 78.1 |
| 1.15 | 26 | 30 | 13.1 | 15.7 | 19.2 | 22.7 | 26.3 | 29.8 | 36.8 | 43.8 | 50.8 | 57.8 | 64.8 | 75.3 |
| 1.16 | 25 | 29 | 13.6 | 16.2 | 19.7 | 23.2 | 26.7 | 30.2 | 37.2 | 44.2 | 51.2 | 58.2 | 65.2 | 75.7 |
| 1.17 | 18 | 21 | 16.8 | 19.5 | 23.0 | 26.5 | 30.0 | 33.5 | 40.5 | 47.5 | 54.5 | 61.5 | 68.5 | 79.0 |
| 1.17 | 23 | 27 | 14.4 | 17.1 | 20.6 | 24.1 | 27.6 | 31.1 | 38.1 | 45.1 | 52.1 | 59.1 | 66.1 | 76.6 |
| 1.17 | 24 | 28 | 14.0 | 16.6 | 20.1 | 23.6 | 27.1 | 30.6 | 37.6 | 44.6 | 51.6 | 58.6 | 65.6 | 76.1 |
| 1.18 | 22 | 26 | 14.9 | 17.5 | 21.0 | 24.5 | 28.0 | 31.5 | 38.5 | 45.5 | 52.5 | 59.5 | 66.5 | 77.0 |
| 1.19 | 21 | 25 | 15.3 | 17.9 | 21.4 | 24.9 | 28.4 | 31.9 | 38.9 | 45.9 | 52.9 | 59.9 | 66.9 | 77.4 |
| 1.19 | 27 | 32 | 12.5 | 15.1 | 18.6 | 22.1 | 25.6 | 29.1 | 36.1 | 43.1 | 50.1 | 57.1 | 64.1 | 74.6 |
| 1.20 | 20 | 24 | 15.7 | 18.4 | 21.9 | 25.4 | 28.9 | 32.4 | 39.4 | 46.4 | 53.4 | 60.4 | 67.4 | 77.9 |
| 1.20 | 25 | 30 | 13.3 | 16.0 | 19.5 | 23.0 | 26.5 | 30.0 | 37.0 | 44.0 | 51.0 | 58.0 | 65.0 | 75.5 |
| 1.20 | 30 | 36 | 10.9 | 13.5 | 17.0 | 20.6 | 24.1 | 27.6 | 34.6 | 41.6 | 48.6 | 55.6 | 62.6 | 73.1 |
| 1.20 | 40 | 48 | - | - | - | 15.7 | 19.2 | 22.7 | 29.7 | 36.7 | 43.7 | 50.7 | 57.7 | 68.3 |
| 1.21 | 24 | 29 | 13.8 | 16.4 | 19.9 | 23.4 | 26.9 | 30.4 | 37.4 | 44.4 | 51.4 | 58.4 | 65.4 | 75.9 |
| 1.22 | 18 | 22 | 16.6 | 19.2 | 22.7 | 26.2 | 29.7 | 33.2 | 40.2 | 47.2 | 54.2 | 61.2 | 68.2 | 78.7 |
| 1.22 | 23 | 28 | 14.2 | 16.8 | 20.3 | 23.8 | 27.3 | 30.8 | 37.8 | 44.8 | 51.8 | 58.8 | 65.8 | 76.3 |
| 1.23 | 22 | 27 | 14.6 | 17.3 | 20.8 | 24.3 | 27.8 | 31.3 | 38.3 | 45.3 | 52.3 | 59.3 | 66.3 | 76.8 |
| 1.23 | 26 | 32 | 12.7 | 15.3 | 18.8 | 22.3 | 25.8 | 29.3 | 36.3 | 43.3 | 50.3 | 57.3 | 64.3 | 74.8 |
| 1.24 | 21 | 26 | 15.1 | 17.7 | 21.2 | 24.7 | 28.2 | 31.7 | 38.7 | 45.7 | 52.7 | 59.7 | 66.7 | 77.2 |
| 1.24 | 29 | 36 | 11.1 | 13.8 | 17.3 | 20.8 | 24.3 | 27.8 | 34.8 | 41.8 | 48.8 | 55.8 | 62.8 | 73.3 |
| 1.25 | 20 | 25 | 15.5 | 18.1 | 21.7 | 25.2 | 28.7 | 32.2 | 39.2 | 46.2 | 53.2 | 60.2 | 67.2 | 77.7 |
| 1.25 | 24 | 30 | 13.5 | 16.2 | 19.7 | 23.2 | 26.7 | 30.2 | 37.2 | 44.2 | 51.2 | 58.2 | 65.2 | 75.7 |
| 1.25 | 32 | 40 | - | 12.2 | 15.7 | 19.2 | 22.7 | 26.2 | 33.2 | 40.2 | 47.2 | 54.2 | 61.2 | 71.7 |

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "700XH" belt is 70 inches long and is for use with $\frac{7}{8}$ inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 300 to this number (making the complete part number read "700XH300") indicates that the belt is 3 inches wide.

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

TABLE No.1

7/8" PITCH DRIVE TABLE

| NOMINAL RATIO | PULLEY COMBINATION | | | | AVAILABLE BELT WIDTHS | | | DRIVEN SPEEDS AND HORSEPOWER FOR 1" WIDE BELT | | | | | |
|---------------|--------------------|------------|----------------|------------|-----------------------|-----|-----|---|----------------|----------------|----------------|---------------|----------------|
| | DRIVER | | DRIVEN | | 200 | 300 | 400 | 1750 RPM MOTOR | | 1160 RPM MOTOR | | 870 RPM MOTOR | |
| | NUMBER GROOVES | PITCH DIA. | NUMBER GROOVES | PITCH DIA. | | | | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT |
| 1.26 | 23 | 6.406 | 29 | 8.077 | X | X | - | 1388 | *15.60 | 920 | *10.86 | 690 | 8.27 |
| 1.27 | 22 | 6.127 | 28 | 7.799 | X | X | X | 1375 | *15.03 | 911 | *10.42 | 684 | 7.93 |
| 1.28 | 18 | 5.013 | 23 | 6.406 | X | X | X | 1370 | *12.63 | 908 | *8.62 | 681 | *6.53 |
| 1.28 | 25 | 6.963 | 32 | 8.913 | X | X | - | 1367 | *16.68 | 906 | *11.72 | 680 | 8.96 |
| 1.29 | 21 | 5.849 | 27 | 7.520 | X | X | - | 1361 | *14.45 | 902 | *9.97 | 677 | *7.58 |
| 1.29 | 28 | 7.799 | 36 | 10.027 | X | X | X | 1361 | 18.18 | 902 | 12.98 | 677 | 9.97 |
| 1.30 | 20 | 5.570 | 26 | 7.242 | X | X | X | 1346 | *13.86 | 892 | *9.53 | 669 | *7.23 |
| 1.30 | 23 | 6.406 | 30 | 8.356 | X | X | X | 1342 | *15.60 | 889 | *10.86 | 667 | 8.27 |
| 1.32 | 22 | 6.127 | 29 | 8.077 | X | X | - | 1328 | *15.03 | 880 | *10.42 | 660 | 7.93 |
| 1.33 | 18 | 5.013 | 24 | 6.685 | X | X | X | 1313 | *12.63 | 870 | *8.62 | 653 | *6.53 |
| 1.33 | 21 | 5.849 | 28 | 7.799 | X | X | - | 1313 | *14.45 | 870 | *9.97 | 653 | *7.58 |
| 1.33 | 24 | 6.685 | 32 | 8.913 | X | X | X | 1313 | *16.15 | 870 | 11.29 | 653 | 8.62 |
| 1.33 | 27 | 7.520 | 36 | 10.027 | X | X | - | 1313 | 17.70 | 870 | 12.56 | 653 | 9.64 |
| 1.33 | 30 | 8.356 | 40 | 11.141 | X | X | X | 1313 | 19.08 | 870 | 13.79 | 653 | 10.64 |
| 1.33 | 36 | 10.027 | 48 | 13.369 | X | X | X | 1313 | 21.27 | 870 | 16.08 | 653 | 12.56 |
| 1.35 | 20 | 5.570 | 27 | 7.520 | X | X | - | 1296 | *13.86 | 859 | *9.53 | 644 | *7.23 |
| 1.36 | 22 | 6.127 | 30 | 8.356 | X | X | X | 1283 | *15.03 | 851 | *10.42 | 638 | 7.93 |
| 1.38 | 21 | 5.849 | 29 | 8.077 | X | X | - | 1267 | *14.45 | 840 | *9.97 | 630 | *7.58 |
| 1.38 | 26 | 7.242 | 36 | 10.027 | X | X | X | 1264 | 17.20 | 838 | 12.14 | 628 | 9.30 |
| 1.38 | 29 | 8.077 | 40 | 11.141 | X | X | - | 1269 | 18.64 | 841 | 13.39 | 631 | 10.31 |
| 1.39 | 18 | 5.013 | 25 | 6.963 | X | X | - | 1260 | *12.63 | 835 | *8.62 | 626 | *6.53 |
| 1.39 | 23 | 6.406 | 32 | 8.913 | X | X | X | 1258 | *15.60 | 834 | *10.86 | 625 | 8.27 |
| 1.40 | 20 | 5.570 | 28 | 7.799 | X | X | X | 1250 | *13.86 | 829 | *9.53 | 621 | *7.23 |
| 1.43 | 21 | 5.849 | 30 | 8.356 | X | X | - | 1225 | *14.45 | 812 | *9.97 | 609 | *7.58 |
| 1.43 | 28 | 7.799 | 40 | 11.141 | X | X | X | 1225 | 18.18 | 812 | 12.98 | 609 | 9.97 |
| 1.44 | 18 | 5.013 | 26 | 7.242 | X | X | X | 1212 | *12.63 | 803 | *8.62 | 602 | *6.53 |
| 1.44 | 25 | 6.963 | 36 | 10.027 | X | X | - | 1215 | *16.68 | 806 | 11.72 | 604 | 8.96 |
| 1.45 | 20 | 5.570 | 29 | 8.077 | X | X | - | 1207 | *13.86 | 800 | *9.53 | 600 | *7.23 |
| 1.45 | 22 | 6.127 | 32 | 8.913 | X | X | X | 1203 | *15.03 | 798 | *10.42 | 598 | 7.93 |
| 1.48 | 27 | 7.520 | 40 | 11.141 | X | X | - | 1181 | 17.70 | 783 | 12.56 | 587 | 9.64 |
| 1.50 | 18 | 5.013 | 27 | 7.520 | X | X | - | 1167 | *12.63 | 773 | *8.62 | 580 | *6.53 |
| 1.50 | 20 | 5.570 | 30 | 8.356 | X | X | X | 1167 | *13.86 | 773 | *9.53 | 580 | *7.23 |
| 1.50 | 24 | 6.685 | 36 | 10.027 | X | X | X | 1167 | *16.15 | 773 | 11.29 | 580 | 8.62 |
| 1.50 | 32 | 8.913 | 48 | 13.369 | X | X | X | 1167 | 19.90 | 773 | 14.58 | 580 | 11.29 |
| 1.50 | 40 | 11.141 | 60 | 16.711 | X | X | X | 1167 | 22.25 | 773 | 17.46 | 580 | 13.79 |
| 1.52 | 21 | 5.849 | 32 | 8.913 | X | X | - | 1148 | *14.45 | 761 | *9.97 | 571 | *7.58 |
| 1.54 | 26 | 7.242 | 40 | 11.141 | X | X | X | 1138 | 17.20 | 754 | 12.14 | 566 | 9.30 |
| 1.56 | 18 | 5.013 | 28 | 7.799 | X | X | X | 1125 | *12.63 | 746 | *8.62 | 559 | *6.53 |
| 1.57 | 23 | 6.406 | 36 | 10.027 | X | X | X | 1118 | *15.60 | 741 | *10.86 | 556 | 8.27 |
| 1.60 | 20 | 5.570 | 32 | 8.913 | X | X | X | 1094 | *13.86 | 725 | *9.53 | 544 | *7.23 |
| 1.60 | 25 | 6.963 | 40 | 11.141 | X | X | - | 1094 | *16.68 | 725 | 11.72 | 544 | 8.96 |
| 1.60 | 30 | 8.356 | 48 | 13.369 | X | X | X | 1094 | 19.08 | 725 | 13.79 | 544 | 10.64 |
| 1.61 | 18 | 5.013 | 29 | 8.077 | X | X | - | 1086 | *12.63 | 720 | *8.62 | 540 | *6.53 |
| 1.64 | 22 | 6.127 | 36 | 10.027 | X | X | X | 1069 | *15.03 | 709 | *10.42 | 532 | 7.93 |
| 1.66 | 29 | 8.077 | 48 | 13.369 | X | X | - | 1057 | 18.64 | 701 | 13.39 | 526 | 10.31 |
| 1.67 | 18 | 5.013 | 30 | 8.356 | X | X | X | 1050 | *12.63 | 696 | *8.62 | 522 | *6.53 |
| 1.67 | 24 | 6.685 | 40 | 11.141 | X | X | X | 1050 | *16.15 | 696 | 11.29 | 522 | 8.62 |
| 1.67 | 36 | 10.027 | 60 | 16.711 | X | X | X | 1050 | 21.27 | 696 | 16.08 | 522 | 12.56 |
| 1.71 | 21 | 5.849 | 36 | 10.027 | X | X | - | 1021 | *14.45 | 677 | *9.97 | 508 | *7.58 |
| 1.71 | 28 | 7.799 | 48 | 13.369 | X | X | X | 1021 | 18.18 | 677 | 12.98 | 508 | 9.97 |
| 1.74 | 23 | 6.406 | 40 | 11.141 | X | X | X | 1006 | *15.60 | 667 | *10.86 | 500 | 8.27 |
| 1.78 | 18 | 5.013 | 32 | 8.913 | X | X | X | 984 | *12.63 | 653 | *8.62 | 489 | *6.53 |
| 1.78 | 27 | 7.520 | 48 | 13.369 | X | X | - | 984 | 17.70 | 653 | 12.56 | 489 | 9.64 |
| 1.80 | 20 | 5.570 | 36 | 10.027 | X | X | X | 972 | *13.86 | 644 | *9.53 | 483 | *7.23 |
| 1.80 | 40 | 11.141 | 72 | 20.054 | X | X | X | 972 | 22.25 | 644 | 17.46 | 483 | 13.79 |
| 1.82 | 22 | 6.127 | 40 | 11.141 | X | X | X | 963 | *15.03 | 638 | *10.42 | 479 | 7.93 |
| 1.85 | 26 | 7.242 | 48 | 13.369 | X | X | X | 948 | 17.20 | 628 | 12.14 | 471 | 9.30 |
| 1.88 | 32 | 8.913 | 60 | 16.711 | X | X | X | 933 | 19.90 | 619 | 14.58 | 464 | 11.29 |
| 1.90 | 21 | 5.849 | 40 | 11.141 | X | X | - | 919 | *14.45 | 609 | *9.97 | 457 | *7.58 |
| 1.92 | 25 | 6.963 | 48 | 13.369 | X | X | - | 911 | *16.68 | 604 | 11.72 | 453 | 8.96 |
| 2.00 | 18 | 5.013 | 36 | 10.027 | X | X | X | 875 | *12.63 | 580 | *8.62 | 435 | *6.53 |
| 2.00 | 20 | 5.570 | 40 | 11.141 | X | X | X | 875 | *13.86 | 580 | *9.53 | 435 | *7.23 |
| 2.00 | 24 | 6.685 | 48 | 13.369 | X | X | X | 875 | *16.15 | 580 | 11.29 | 435 | 8.62 |
| 2.00 | 30 | 8.356 | 60 | 16.711 | X | X | X | 875 | 19.08 | 580 | 13.79 | 435 | 10.64 |
| 2.00 | 36 | 10.027 | 72 | 20.054 | X | X | X | 875 | 21.27 | 580 | 16.08 | 435 | 12.56 |
| 2.07 | 29 | 8.077 | 60 | 16.711 | X | X | - | 846 | 18.64 | 561 | 13.39 | 421 | 10.31 |
| 2.09 | 23 | 6.406 | 48 | 13.369 | X | X | X | 839 | *15.60 | 556 | *10.86 | 417 | 8.27 |
| 2.10 | 40 | 11.141 | 84 | 23.396 | X | X | X | 833 | 22.25 | 552 | 17.46 | 414 | 13.79 |
| 2.14 | 28 | 7.799 | 60 | 16.711 | X | X | X | 817 | 18.18 | 541 | 12.98 | 406 | 9.97 |
| 2.18 | 22 | 6.127 | 48 | 13.369 | X | X | X | 802 | *15.03 | 532 | *10.42 | 399 | 7.93 |

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page D-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

| EFFECTIVE BELT WIDTH..... | 1.00" | 1.29" | 1.56" | 2.14" | 2.72" | 3.36" | 4.76" | 6.15" | 7.50" | 10.32" | 13.10" | 15.84" | 18.62" |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| ACTUAL BELT WIDTH..... | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 |

*This rating is for a pulley below the minimum recommended on page D-22 and, therefore, a reduction in belt life should be expected.

TABLE No. 1 **7/8" PITCH DRIVE TABLE**

| PULLEY COMBINATION | | | NOMINAL CENTER DISTANCES USING BROWNING® GEARBELT® BELTS | | | | | | | | | | | |
|--------------------|----------------|----------------|--|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| NOMINAL RATIO | DRIVER | DRIVEN | 507 XH | 560 XH | 630 XH | 700 XH | 770 XH | 840 XH | 980 XH | 1120 XH | 1260 XH | 1400 XH | 1540 XH | 1750 XH |
| | NUMBER GROOVES | NUMBER GROOVES | | | | | | | | | | | | |
| 1.26 | 23 | 29 | 14.0 | 16.6 | 20.1 | 23.6 | 27.1 | 30.6 | 37.6 | 44.6 | 51.6 | 58.6 | 65.6 | 76.1 |
| 1.27 | 22 | 28 | 14.4 | 17.0 | 20.6 | 24.1 | 27.6 | 31.1 | 38.1 | 45.1 | 52.1 | 59.1 | 66.1 | 76.6 |
| 1.28 | 18 | 23 | 16.4 | 19.0 | 22.5 | 26.0 | 29.5 | 33.0 | 40.0 | 47.0 | 54.0 | 61.0 | 68.0 | 78.5 |
| 1.28 | 25 | 32 | 12.9 | 15.5 | 19.0 | 22.5 | 26.0 | 29.5 | 36.5 | 43.5 | 50.5 | 57.5 | 64.5 | 75.0 |
| 1.29 | 21 | 27 | 14.9 | 17.5 | 21.0 | 24.5 | 28.0 | 31.5 | 38.5 | 45.5 | 52.5 | 59.5 | 66.5 | 77.0 |
| 1.29 | 28 | 36 | 11.3 | 14.0 | 17.5 | 21.0 | 24.5 | 28.0 | 35.0 | 42.0 | 49.0 | 56.0 | 63.0 | 73.5 |
| 1.30 | 20 | 26 | 15.3 | 17.9 | 21.4 | 24.9 | 28.4 | 31.9 | 38.9 | 45.9 | 52.9 | 59.9 | 66.9 | 77.4 |
| 1.30 | 23 | 30 | 13.8 | 16.4 | 19.9 | 23.4 | 26.9 | 30.4 | 37.4 | 44.4 | 51.4 | 58.4 | 65.4 | 75.9 |
| 1.32 | 22 | 29 | 14.2 | 16.8 | 20.3 | 23.8 | 27.3 | 30.8 | 37.8 | 44.8 | 51.8 | 58.8 | 65.8 | 76.3 |
| 1.33 | 18 | 24 | 16.2 | 18.8 | 22.3 | 25.8 | 29.3 | 32.8 | 39.8 | 46.8 | 53.8 | 60.8 | 67.8 | 78.3 |
| 1.33 | 21 | 28 | 14.6 | 17.3 | 20.8 | 24.3 | 27.8 | 31.3 | 38.3 | 45.3 | 52.3 | 59.3 | 66.3 | 76.8 |
| 1.33 | 24 | 32 | 13.1 | 15.7 | 19.2 | 22.7 | 26.2 | 29.7 | 36.7 | 43.7 | 50.7 | 57.7 | 64.7 | 75.2 |
| 1.33 | 27 | 36 | 11.5 | 14.2 | 17.7 | 21.2 | 24.7 | 28.2 | 35.2 | 42.2 | 49.2 | 56.2 | 63.2 | 73.7 |
| 1.33 | 30 | 40 | - | 12.6 | 16.1 | 19.6 | 23.2 | 26.7 | 33.7 | 40.7 | 47.7 | 54.7 | 61.7 | 72.2 |
| 1.33 | 36 | 48 | - | - | 13.0 | 16.5 | 20.1 | 23.6 | 30.6 | 37.6 | 44.6 | 51.6 | 58.6 | 69.1 |
| 1.35 | 20 | 27 | 15.1 | 17.7 | 21.2 | 24.7 | 28.2 | 31.7 | 38.7 | 45.7 | 52.7 | 59.7 | 66.7 | 77.2 |
| 1.36 | 22 | 30 | 14.0 | 16.6 | 20.1 | 23.6 | 27.1 | 30.6 | 37.6 | 44.6 | 51.6 | 58.6 | 65.6 | 76.1 |
| 1.38 | 21 | 29 | 14.4 | 17.0 | 20.5 | 24.0 | 27.5 | 31.0 | 38.1 | 45.1 | 52.1 | 59.1 | 66.1 | 76.6 |
| 1.38 | 26 | 36 | 11.7 | 14.4 | 17.9 | 21.4 | 24.9 | 28.4 | 35.4 | 42.4 | 49.4 | 56.4 | 63.4 | 73.9 |
| 1.38 | 29 | 40 | - | 12.8 | 16.3 | 19.9 | 23.4 | 26.9 | 33.9 | 40.9 | 47.9 | 54.9 | 61.9 | 72.4 |
| 1.39 | 18 | 25 | 15.9 | 18.6 | 22.1 | 25.6 | 29.1 | 32.6 | 39.6 | 46.6 | 53.6 | 60.6 | 67.6 | 78.1 |
| 1.39 | 23 | 32 | 13.3 | 15.9 | 19.4 | 22.9 | 26.4 | 29.9 | 37.0 | 44.0 | 51.0 | 58.0 | 65.0 | 75.5 |
| 1.40 | 20 | 28 | 14.8 | 17.5 | 21.0 | 24.5 | 28.0 | 31.5 | 38.5 | 45.5 | 52.5 | 59.5 | 66.5 | 77.0 |
| 1.43 | 21 | 30 | 14.2 | 16.8 | 20.3 | 23.8 | 27.3 | 30.8 | 37.8 | 44.8 | 51.8 | 58.8 | 65.8 | 76.3 |
| 1.43 | 28 | 40 | 10.4 | 13.0 | 16.5 | 20.1 | 23.6 | 27.1 | 34.1 | 41.1 | 48.1 | 55.1 | 62.1 | 72.6 |
| 1.44 | 18 | 26 | 15.7 | 18.3 | 21.9 | 25.4 | 28.9 | 32.4 | 39.4 | 46.4 | 53.4 | 60.4 | 67.4 | 77.9 |
| 1.44 | 25 | 36 | 11.9 | 14.6 | 18.1 | 21.6 | 25.1 | 28.6 | 35.6 | 42.6 | 49.6 | 56.6 | 63.6 | 74.1 |
| 1.45 | 20 | 29 | 14.6 | 17.2 | 20.7 | 24.3 | 27.8 | 31.3 | 38.3 | 45.3 | 52.3 | 59.3 | 66.3 | 76.8 |
| 1.45 | 22 | 32 | 13.5 | 16.1 | 19.6 | 23.2 | 26.7 | 30.2 | 37.2 | 44.2 | 51.2 | 58.2 | 65.2 | 75.7 |
| 1.48 | 27 | 40 | 10.6 | 13.2 | 16.8 | 20.3 | 23.8 | 27.3 | 34.3 | 41.3 | 48.3 | 55.3 | 62.3 | 72.8 |
| 1.50 | 18 | 27 | 15.5 | 18.1 | 21.6 | 25.1 | 28.6 | 32.1 | 39.1 | 46.1 | 53.1 | 60.1 | 67.1 | 77.7 |
| 1.50 | 20 | 30 | 14.4 | 17.0 | 20.5 | 24.0 | 27.5 | 31.0 | 38.0 | 45.0 | 52.0 | 59.0 | 66.0 | 76.6 |
| 1.50 | 24 | 36 | 12.1 | 14.8 | 18.3 | 21.8 | 25.3 | 28.8 | 35.8 | 42.8 | 49.8 | 56.8 | 63.8 | 74.4 |
| 1.50 | 32 | 48 | - | - | 13.8 | 17.4 | 20.9 | 24.4 | 31.4 | 38.4 | 45.4 | 52.4 | 59.4 | 70.0 |
| 1.50 | 40 | 60 | - | - | - | - | 16.4 | 19.9 | 27.0 | 34.0 | 41.0 | 48.1 | 55.1 | 65.6 |
| 1.52 | 21 | 32 | 13.7 | 16.3 | 19.9 | 23.4 | 26.9 | 30.4 | 37.4 | 44.4 | 51.4 | 58.4 | 65.4 | 75.9 |
| 1.54 | 26 | 40 | 10.8 | 13.4 | 17.0 | 20.5 | 24.0 | 27.5 | 34.5 | 41.5 | 48.5 | 55.5 | 62.5 | 73.0 |
| 1.56 | 18 | 28 | 15.3 | 17.9 | 21.4 | 24.9 | 28.4 | 31.9 | 38.9 | 45.9 | 52.9 | 59.9 | 66.9 | 77.4 |
| 1.57 | 23 | 36 | 12.3 | 15.0 | 18.5 | 22.0 | 25.5 | 29.0 | 36.1 | 43.1 | 50.1 | 57.1 | 64.1 | 74.6 |
| 1.60 | 20 | 32 | 13.9 | 16.5 | 20.1 | 23.6 | 27.1 | 30.6 | 37.6 | 44.6 | 51.6 | 58.6 | 65.6 | 76.1 |
| 1.60 | 25 | 40 | 11.0 | 13.6 | 17.2 | 20.7 | 24.2 | 27.7 | 34.7 | 41.7 | 48.7 | 55.7 | 62.8 | 73.3 |
| 1.60 | 30 | 48 | - | - | 14.2 | 17.8 | 21.3 | 24.8 | 31.8 | 38.8 | 45.8 | 52.8 | 59.8 | 70.4 |
| 1.61 | 18 | 29 | 15.0 | 17.7 | 21.2 | 24.7 | 28.2 | 31.7 | 38.7 | 45.7 | 52.7 | 59.7 | 66.7 | 77.2 |
| 1.64 | 22 | 36 | 12.5 | 15.2 | 18.7 | 22.2 | 25.7 | 29.3 | 36.3 | 43.3 | 50.3 | 57.3 | 64.3 | 74.8 |
| 1.66 | 29 | 48 | - | - | 14.4 | 18.0 | 21.5 | 25.0 | 32.1 | 39.1 | 46.1 | 53.1 | 60.1 | 70.6 |
| 1.67 | 18 | 30 | 14.8 | 17.4 | 20.9 | 24.4 | 28.0 | 31.5 | 38.5 | 45.5 | 52.5 | 59.5 | 66.5 | 77.0 |
| 1.67 | 24 | 40 | 11.2 | 13.8 | 17.4 | 20.9 | 24.4 | 27.9 | 34.9 | 41.9 | 48.9 | 55.9 | 62.9 | 73.5 |
| 1.67 | 36 | 60 | - | - | - | - | 17.2 | 20.7 | 27.8 | 34.9 | 41.9 | 48.9 | 55.9 | 66.4 |
| 1.71 | 21 | 36 | 12.7 | 15.4 | 18.9 | 22.4 | 26.0 | 29.5 | 36.5 | 43.5 | 50.5 | 57.5 | 64.5 | 75.0 |
| 1.71 | 28 | 48 | - | - | 14.6 | 18.2 | 21.7 | 25.2 | 32.3 | 39.3 | 46.3 | 53.3 | 60.3 | 70.8 |
| 1.74 | 23 | 40 | 11.4 | 14.0 | 17.6 | 21.1 | 24.6 | 28.1 | 35.1 | 42.2 | 49.2 | 56.2 | 63.2 | 73.7 |
| 1.78 | 18 | 32 | 14.3 | 17.0 | 20.5 | 24.0 | 27.5 | 31.0 | 38.0 | 45.0 | 52.0 | 59.0 | 66.0 | 76.5 |
| 1.78 | 27 | 48 | - | - | 14.8 | 18.4 | 21.9 | 25.4 | 32.5 | 39.5 | 46.5 | 53.5 | 60.5 | 71.0 |
| 1.80 | 20 | 36 | 12.9 | 15.6 | 19.1 | 22.6 | 26.2 | 29.7 | 36.7 | 43.7 | 50.7 | 57.7 | 64.7 | 75.2 |
| 1.80 | 40 | 72 | - | - | - | - | - | 16.9 | 24.1 | 31.2 | 38.3 | 45.3 | 52.3 | 62.9 |
| 1.82 | 22 | 40 | 11.5 | 14.2 | 17.8 | 21.3 | 24.8 | 28.3 | 35.4 | 42.4 | 49.4 | 56.4 | 63.4 | 73.9 |
| 1.85 | 26 | 48 | - | 11.4 | 15.0 | 18.6 | 22.1 | 25.6 | 32.7 | 39.7 | 46.7 | 53.7 | 60.7 | 71.3 |
| 1.88 | 32 | 60 | - | - | 14.4 | 18.0 | 21.5 | 25.0 | 32.0 | 39.0 | 46.0 | 53.0 | 60.0 | 70.6 |
| 1.90 | 21 | 40 | 11.7 | 14.4 | 18.0 | 21.5 | 25.0 | 28.5 | 35.6 | 42.6 | 49.6 | 56.6 | 63.6 | 74.1 |
| 1.92 | 25 | 48 | - | 11.6 | 15.2 | 18.8 | 22.3 | 25.8 | 32.9 | 39.9 | 46.9 | 53.9 | 60.9 | 71.5 |
| 2.00 | 18 | 36 | 13.3 | 16.0 | 19.5 | 23.1 | 26.6 | 30.1 | 37.1 | 44.1 | 51.1 | 58.1 | 65.1 | 75.7 |
| 2.00 | 20 | 40 | 11.9 | 14.6 | 18.2 | 21.7 | 25.2 | 28.7 | 35.8 | 42.8 | 49.8 | 56.8 | 63.8 | 74.3 |
| 2.00 | 24 | 48 | - | 11.8 | 15.4 | 19.0 | 22.5 | 26.0 | 33.1 | 40.1 | 47.1 | 54.2 | 61.2 | 71.7 |
| 2.00 | 30 | 60 | - | - | - | 14.7 | 18.3 | 21.9 | 29.0 | 36.1 | 43.1 | 50.1 | 57.2 | 67.7 |
| 2.00 | 36 | 72 | - | - | - | - | - | 17.7 | 24.9 | 32.0 | 39.1 | 46.1 | 53.2 | 63.7 |
| 2.07 | 29 | 60 | - | - | - | 14.9 | 18.5 | 22.1 | 29.2 | 36.3 | 43.3 | 50.4 | 57.4 | 67.9 |
| 2.09 | 23 | 48 | - | 12.0 | 15.6 | 19.2 | 22.7 | 26.2 | 33.3 | 40.3 | 47.3 | 54.4 | 61.4 | 71.9 |
| 2.10 | 40 | 84 | - | - | - | - | - | - | 21.0 | 28.2 | 35.4 | 42.4 | 49.5 | 60.1 |
| 2.14 | 28 | 60 | - | - | - | 15.1 | 18.7 | 22.3 | 29.4 | 36.5 | 43.5 | 50.6 | 57.6 | 68.1 |
| 2.18 | 22 | 48 | - | 12.2 | 15.8 | 19.4 | 22.9 | 26.4 | 33.5 | 40.5 | 47.6 | 54.6 | 61.6 | 72.1 |

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "700XH" belt is 70 inches long and is for use with 7/8 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 300 to this number (making the complete part number read "700XH300") indicates that the belt is 3 inches wide.

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

TABLE No. 1

7/8" PITCH DRIVETABLE

| NOMINAL RATIO | PULLEY COMBINATION | | | | AVAILABLE BELT WIDTHS | | | DRIVEN SPEEDS AND HORSEPOWER FOR 1" WIDE BELT | | | | | |
|---------------|--------------------|------------|----------------|------------|-----------------------|-----|-----|---|----------------|----------------|----------------|---------------|----------------|
| | DRIVER | | DRIVEN | | | | | 1750 RPM MOTOR | | 1160 RPM MOTOR | | 870 RPM MOTOR | |
| | NUMBER GROOVES | PITCH DIA. | NUMBER GROOVES | PITCH DIA. | 200 | 300 | 400 | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT |
| 2.22 | 18 | 5.013 | 40 | 11.141 | x | x | x | 788 | *12.63 | 522 | *8.62 | 392 | *6.53 |
| 2.22 | 27 | 7.520 | 60 | 16.711 | x | x | - | 788 | 17.70 | 522 | 12.56 | 392 | 9.64 |
| 2.25 | 32 | 8.913 | 72 | 20.054 | x | x | x | 778 | 19.90 | 516 | 14.58 | 387 | 11.29 |
| 2.29 | 21 | 5.849 | 48 | 13.369 | x | x | - | 766 | *14.45 | 508 | *9.97 | 381 | *7.58 |
| 2.31 | 26 | 7.242 | 60 | 16.711 | x | x | x | 758 | 17.20 | 503 | 12.14 | 377 | 9.30 |
| 2.33 | 36 | 10.027 | 84 | 23.396 | x | x | x | 750 | 21.27 | 497 | 16.08 | 373 | 12.56 |
| 2.40 | 20 | 5.570 | 48 | 13.369 | x | x | x | 729 | *13.86 | 483 | *9.53 | 363 | *7.23 |
| 2.40 | 25 | 6.963 | 60 | 16.711 | x | x | - | 729 | *16.68 | 483 | 11.72 | 363 | 8.96 |
| 2.40 | 30 | 8.356 | 72 | 20.054 | x | x | x | 729 | 19.08 | 483 | 13.79 | 363 | 10.64 |
| 2.40 | 40 | 11.141 | 96 | 26.738 | x | x | x | 729 | 22.25 | 483 | 17.46 | 363 | 13.79 |
| 2.48 | 29 | 8.077 | 72 | 20.054 | x | x | - | 705 | 18.64 | 467 | 13.39 | 350 | 10.31 |
| 2.50 | 24 | 6.685 | 60 | 16.711 | x | x | x | 700 | *16.15 | 464 | 11.29 | 348 | 8.62 |
| 2.57 | 28 | 7.799 | 72 | 20.054 | x | x | x | 681 | 18.18 | 451 | 12.98 | 338 | 9.97 |
| 2.61 | 23 | 6.406 | 60 | 16.711 | x | x | x | 671 | *15.60 | 445 | *10.86 | 334 | 8.27 |
| 2.63 | 32 | 8.913 | 84 | 23.396 | x | x | x | 667 | 19.90 | 442 | 14.58 | 331 | 11.29 |
| 2.67 | 18 | 5.013 | 48 | 13.369 | x | x | - | 656 | *12.63 | 435 | *8.62 | 326 | *6.53 |
| 2.67 | 27 | 7.520 | 72 | 20.054 | x | x | - | 656 | 17.70 | 435 | 12.56 | 326 | 9.64 |
| 2.67 | 36 | 10.027 | 96 | 26.738 | x | x | x | 656 | 21.27 | 435 | 16.08 | 326 | 12.56 |
| 2.73 | 22 | 6.127 | 60 | 16.711 | x | x | x | 642 | *15.03 | 425 | *10.42 | 319 | 7.93 |
| 2.77 | 26 | 7.242 | 72 | 20.054 | x | x | x | 632 | 17.20 | 419 | 12.14 | 314 | 9.30 |
| 2.80 | 30 | 8.356 | 84 | 23.396 | x | x | x | 625 | 19.08 | 414 | 13.79 | 311 | 10.64 |
| 2.86 | 21 | 5.849 | 60 | 16.711 | x | x | - | 613 | *14.45 | 406 | *9.97 | 305 | *7.58 |
| 2.88 | 25 | 6.963 | 72 | 20.054 | x | x | - | 608 | 16.68 | 403 | 11.72 | 302 | 8.96 |
| 2.90 | 29 | 8.077 | 84 | 23.396 | x | x | - | 604 | 18.64 | 400 | 13.39 | 300 | 10.31 |
| 3.00 | 20 | 5.570 | 60 | 16.711 | x | x | x | 583 | *13.86 | 387 | *9.53 | 290 | *7.23 |
| 3.00 | 24 | 6.685 | 72 | 20.054 | x | x | x | 583 | *16.15 | 387 | 11.29 | 290 | 8.62 |
| 3.00 | 28 | 7.799 | 84 | 23.396 | x | x | x | 583 | 18.18 | 387 | 12.98 | 290 | 9.97 |
| 3.00 | 32 | 8.913 | 96 | 26.738 | x | x | x | 583 | 19.90 | 387 | 14.58 | 290 | 11.29 |
| 3.00 | 40 | 11.141 | 120 | 33.423 | x | x | x | 583 | 22.25 | 387 | 17.46 | 290 | 13.79 |
| 3.11 | 27 | 7.520 | 84 | 23.396 | x | x | - | 563 | 17.70 | 373 | 12.56 | 280 | 9.64 |
| 3.13 | 23 | 6.406 | 72 | 20.054 | x | x | x | 559 | *15.60 | 371 | *10.86 | 278 | 8.27 |
| 3.20 | 30 | 8.356 | 96 | 26.738 | x | x | x | 547 | 19.08 | 363 | 13.79 | 272 | 10.64 |
| 3.23 | 26 | 7.242 | 84 | 23.396 | x | x | x | 542 | 17.20 | 359 | 12.14 | 269 | 9.30 |
| 3.27 | 22 | 6.127 | 72 | 20.054 | x | x | x | 535 | *15.03 | 354 | *10.42 | 266 | 7.93 |
| 3.31 | 29 | 8.077 | 96 | 26.738 | x | x | - | 529 | 18.64 | 350 | 13.39 | 263 | 10.31 |
| 3.33 | 18 | 5.013 | 60 | 16.711 | x | x | x | 525 | *12.63 | 348 | *8.62 | 261 | *6.53 |
| 3.33 | 36 | 10.027 | 120 | 33.423 | x | x | x | 525 | 21.27 | 348 | 16.08 | 261 | 12.56 |
| 3.36 | 25 | 6.963 | 84 | 23.396 | x | x | - | 521 | *16.68 | 345 | 11.72 | 259 | 8.96 |
| 3.43 | 21 | 5.849 | 72 | 20.054 | x | x | - | 510 | *14.45 | 338 | *9.97 | 254 | *7.58 |
| 3.43 | 28 | 7.799 | 96 | 26.738 | x | x | x | 510 | 18.18 | 338 | 12.98 | 254 | 9.97 |
| 3.50 | 24 | 6.685 | 84 | 23.396 | x | x | x | 500 | *16.15 | 331 | 11.29 | 249 | 8.62 |
| 3.56 | 27 | 7.520 | 96 | 26.738 | x | x | - | 492 | 17.70 | 326 | 12.56 | 245 | 9.64 |
| 3.60 | 20 | 5.570 | 72 | 20.054 | x | x | x | 486 | *13.86 | 322 | *9.53 | 242 | *7.23 |
| 3.65 | 23 | 6.406 | 84 | 23.396 | x | x | x | 479 | *15.60 | 318 | *10.86 | 238 | 8.27 |
| 3.69 | 26 | 7.242 | 96 | 26.738 | x | x | x | 474 | 17.20 | 314 | 12.14 | 236 | 9.30 |
| 3.75 | 32 | 8.913 | 120 | 33.423 | x | x | x | 467 | 19.90 | 309 | 14.58 | 232 | 11.29 |
| 3.82 | 22 | 6.127 | 84 | 23.396 | x | x | x | 458 | *15.03 | 304 | *10.42 | 228 | 7.93 |
| 3.84 | 25 | 6.963 | 96 | 26.738 | x | x | - | 456 | *16.68 | 302 | 11.72 | 227 | 8.96 |
| 4.00 | 18 | 5.013 | 72 | 20.054 | x | x | x | 438 | *12.63 | 290 | *8.62 | 218 | *6.53 |
| 4.00 | 21 | 5.849 | 84 | 23.396 | x | x | - | 438 | *14.45 | 290 | *9.97 | 218 | *7.58 |
| 4.00 | 24 | 6.685 | 96 | 26.738 | x | x | x | 438 | *16.15 | 290 | 11.29 | 218 | 8.62 |
| 4.00 | 30 | 8.356 | 120 | 33.423 | x | x | x | 438 | 19.08 | 290 | 13.79 | 218 | 10.64 |
| 4.14 | 29 | 8.077 | 120 | 33.423 | x | x | - | 423 | 18.64 | 280 | 13.39 | 210 | 10.31 |
| 4.17 | 23 | 6.406 | 96 | 26.738 | x | x | x | 419 | *15.60 | 278 | *10.86 | 208 | 8.27 |
| 4.20 | 20 | 5.570 | 84 | 23.396 | x | x | x | 417 | *13.86 | 276 | *9.53 | 207 | *7.23 |
| 4.29 | 28 | 7.799 | 120 | 33.423 | x | x | x | 408 | 18.18 | 271 | 12.98 | 203 | 9.97 |
| 4.36 | 22 | 6.127 | 96 | 26.738 | x | x | x | 401 | *15.03 | 266 | *10.42 | 199 | 7.93 |
| 4.44 | 27 | 7.520 | 120 | 33.423 | x | x | - | 394 | 17.70 | 261 | 12.56 | 196 | 9.64 |
| 4.57 | 21 | 5.849 | 96 | 26.738 | x | x | - | 383 | *14.45 | 254 | *9.97 | 190 | *7.58 |
| 4.62 | 26 | 7.242 | 120 | 33.423 | x | x | x | 379 | 17.20 | 251 | 12.14 | 189 | 9.30 |
| 4.67 | 18 | 5.013 | 84 | 23.396 | x | x | x | 375 | *12.63 | 249 | *8.62 | 186 | *6.53 |
| 4.80 | 20 | 5.570 | 96 | 26.738 | x | x | x | 365 | *13.86 | 242 | *9.53 | 181 | *7.23 |
| 4.80 | 25 | 6.963 | 120 | 33.423 | x | x | - | 365 | *16.68 | 242 | 11.72 | 181 | 8.96 |
| 5.00 | 24 | 6.685 | 120 | 33.423 | x | x | x | 350 | *16.15 | 232 | 11.29 | 174 | 8.62 |
| 5.22 | 23 | 6.406 | 120 | 33.423 | x | x | x | 335 | *15.60 | 222 | *10.86 | 167 | 8.27 |
| 5.33 | 18 | 5.013 | 96 | 26.738 | x | x | x | 328 | *12.63 | 218 | *8.62 | 163 | *6.53 |
| 5.45 | 22 | 6.127 | 120 | 33.423 | x | x | x | 321 | *15.03 | 213 | *10.42 | 160 | 7.93 |
| 5.71 | 21 | 5.849 | 120 | 33.423 | x | x | - | 306 | *14.45 | 203 | *9.97 | 152 | *7.58 |
| 6.00 | 20 | 5.570 | 120 | 33.423 | x | x | x | 292 | *13.86 | 193 | *9.53 | 145 | *7.23 |
| 6.67 | 18 | 5.013 | 120 | 33.423 | x | x | x | 263 | *12.63 | 174 | *8.62 | 131 | *6.53 |

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page D-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width." Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

| EFFECTIVE BELT WIDTH..... | 1.00" | 1.29" | 1.56" | 2.14" | 2.72" | 3.36" | 4.76" | 6.15" | 7.50" | 10.32" | 13.10" | 15.84" | 18.62" |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| ACTUAL BELT WIDTH..... | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 |

*This rating is for a pulley below the minimum recommended on page D-22 and, therefore, a reduction in belt life should be expected.

TABLE No. 1 **7/8" PITCH DRIVE TABLE**

| NOMINAL RATIO | PULLEY COMBINATION | | NOMINAL CENTER DISTANCES USING BROWNING® GEARBELT® BELTS | | | | | | | | | | | |
|---------------|--------------------|----------------|--|--------|--------|--------|--------|-------------------|--------|-------------------|---------|---------|---------|---------|
| | DRIVER | DRIVEN | 507 XH | 560 XH | 630 XH | 700 XH | 770 XH | 840 XH | 980 XH | 1120 XH | 1260 XH | 1400 XH | 1540 XH | 1750 XH |
| | NUMBER GROOVES | NUMBER GROOVES | | | | | | | | | | | | |
| 2.22 | 18 | 40 | 12.3 | 15.0 | 18.6 | 22.1 | 25.6 | 29.2 | 36.2 | 43.2 | 50.2 | 57.2 | 64.2 | 74.8 |
| 2.22 | 27 | 60 | - | - | - | 15.3 | 18.9 | 22.5 | 29.6 | 36.7 | 43.7 | 50.8 | 57.8 | 68.3 |
| 2.25 | 32 | 72 | - | - | - | - | - | 18.4 | 25.7 | 32.8 | 39.9 | 46.9 | 54.0 | 64.5 |
| 2.29 | 21 | 48 | - | 12.3 | 16.0 | 19.6 | 23.1 | 26.6 | 33.7 | 40.7 | 47.8 | 54.8 | 61.8 | 72.3 |
| 2.31 | 26 | 60 | - | - | - | 15.5 | 19.1 | 22.7 | 29.8 | 36.9 | 43.9 | 51.0 | 58.0 | 68.5 |
| 2.33 | 36 | 84 | - | - | - | - | - | - | 21.7 | 29.0 | 36.1 | 43.2 | 50.3 | 60.9 |
| 2.40 | 20 | 48 | - | 12.5 | 16.2 | 19.7 | 23.3 | 26.8 | 33.9 | 40.9 | 48.0 | 55.0 | 62.0 | 72.5 |
| 2.40 | 25 | 60 | - | - | - | 15.7 | 19.3 | 22.9 | 30.0 | 37.1 | 44.1 | 51.2 | 58.2 | 68.7 |
| 2.40 | 30 | 72 | - | - | - | - | - | 18.8 | 26.0 | 33.2 | 40.3 | 47.3 | 54.4 | 64.9 |
| 2.40 | 40 | 96 | - | - | - | - | - | - | - | 25.1 | 32.3 | 39.5 | 46.6 | 57.2 |
| 2.48 | 29 | 72 | - | - | - | - | 15.2 | 19.0 | 26.2 | 33.4 | 40.5 | 47.5 | 54.6 | 65.1 |
| 2.50 | 24 | 60 | - | - | - | 15.8 | 19.5 | 23.1 | 30.2 | 37.3 | 44.4 | 51.4 | 58.4 | 69.0 |
| 2.57 | 28 | 72 | - | - | - | - | 15.4 | 19.2 | 26.4 | 33.6 | 40.7 | 47.7 | 54.8 | 65.3 |
| 2.61 | 23 | 60 | - | - | - | 16.0 | 19.7 | 23.3 | 30.4 | 37.5 | 44.6 | 51.6 | 58.6 | 69.2 |
| 2.63 | 32 | 84 | - | - | - | - | - | - | 22.5 | 29.8 | 36.9 | 44.0 | 51.1 | 61.7 |
| 2.67 | 18 | 48 | 10.1 | 12.9 | 16.5 | 20.1 | 23.7 | 27.2 | 34.3 | 41.4 | 48.4 | 55.4 | 62.4 | 73.0 |
| 2.67 | 27 | 72 | - | - | - | - | 15.6 | 19.3 | 26.6 | 33.8 | 40.9 | 47.9 | 55.0 | 65.6 |
| 2.67 | 36 | 96 | - | - | - | - | - | - | - | 25.8 | 33.1 | 40.3 | 47.4 | 58.0 |
| 2.73 | 22 | 60 | - | - | 12.5 | 16.2 | 19.9 | 23.5 | 30.6 | 37.7 | 44.8 | 51.8 | 58.8 | 69.4 |
| 2.77 | 26 | 72 | - | - | - | - | 15.8 | 19.5 | 26.8 | 34.0 | 41.1 | 48.1 | 55.2 | 65.8 |
| 2.80 | 30 | 84 | - | - | - | - | - | - | 22.8 | 30.1 | 37.3 | 44.4 | 51.5 | 62.1 |
| 2.86 | 21 | 60 | - | - | 12.6 | 16.4 | 20.1 | 23.7 | 30.8 | 37.9 | 45.0 | 52.0 | 59.0 | 69.6 |
| 2.88 | 25 | 72 | - | - | - | - | 16.0 | 19.7 | 27.0 | 34.2 | 41.3 | 48.3 | 55.4 | 66.0 |
| 2.90 | 29 | 84 | - | - | - | - | - | - | 23.0 | 30.3 | 37.5 | 44.6 | 51.7 | 62.3 |
| 3.00 | 20 | 60 | - | - | 12.8 | 16.6 | 20.2 | 23.9 | 31.0 | 38.1 | 45.2 | 52.2 | 59.2 | 69.8 |
| 3.00 | 24 | 72 | - | - | - | - | 16.1 | 19.9 | 27.2 | 34.4 | 41.5 | 48.6 | 55.6 | 66.2 |
| 3.00 | 28 | 84 | - | - | - | - | - | - | 23.2 | 30.5 | 37.7 | 44.8 | 51.9 | 62.5 |
| 3.00 | 32 | 96 | - | - | - | - | - | - | 18.9 | 26.5 | 33.8 | 41.0 | 48.2 | 58.8 |
| 3.00 | 40 | 120 | - | - | - | - | - | - | - | - | 25.6 | 32.2 | 40.5 | 51.3 |
| 3.11 | 27 | 84 | - | - | - | - | - | - | 23.4 | 30.7 | 37.9 | 45.0 | 52.1 | 62.7 |
| 3.13 | 23 | 72 | - | - | - | - | 16.3 | 20.1 | 27.4 | 34.6 | 41.7 | 48.8 | 55.8 | 66.4 |
| 3.20 | 30 | 96 | - | - | - | - | - | - | 19.3 | 26.9 | 34.2 | 41.4 | 48.6 | 59.2 |
| 3.23 | 26 | 84 | - | - | - | - | - | - | 23.6 | 30.9 | 38.1 | 45.2 | 52.3 | 62.9 |
| 3.27 | 22 | 72 | - | - | - | - | 16.5 | 20.3 | 27.6 | 34.8 | 41.9 | 49.0 | 56.0 | 66.6 |
| 3.31 | 29 | 96 | - | - | - | - | - | - | 19.5 | 27.1 | 34.4 | 41.6 | 48.8 | 59.4 |
| 3.33 | 18 | 60 | - | - | 13.2 | 16.9 | 20.6 | 24.2 | 31.4 | 38.5 | 45.6 | 52.6 | 59.7 | 70.2 |
| 3.33 | 36 | 120 | - | - | - | - | - | - | - | - | 26.3 | 33.9 | 41.2 | 52.1 |
| 3.36 | 25 | 84 | - | - | - | - | - | 16.1 | 23.8 | 31.1 | 38.3 | 45.4 | 52.5 | 63.1 |
| 3.43 | 21 | 72 | - | - | - | - | 16.7 | 20.4 | 27.8 | 34.9 | 42.1 | 49.2 | 56.2 | 66.8 |
| 3.43 | 28 | 96 | - | - | - | - | - | - | 19.6 | 27.2 | 34.6 | 41.8 | 49.0 | 59.6 |
| 3.50 | 24 | 84 | - | - | - | - | - | 16.3 | 23.9 | 31.3 | 38.5 | 45.6 | 52.7 | 63.3 |
| 3.56 | 27 | 96 | - | - | - | - | - | - | 19.8 | 27.4 | 34.8 | 42.0 | 49.2 | 59.8 |
| 3.60 | 20 | 72 | - | - | - | - | 16.8 | 20.6 | 27.9 | 35.1 | 42.3 | 49.4 | 56.4 | 67.0 |
| 3.65 | 23 | 84 | - | - | - | - | - | 16.4 | 24.1 | 31.5 | 38.7 | 45.8 | 52.9 | 63.5 |
| 3.69 | 26 | 96 | - | - | - | - | - | - | 20.0 | 27.6 | 35.0 | 42.2 | 49.4 | 60.0 |
| 3.75 | 32 | 120 | - | - | - | - | - | - | - | - | 27.0 | 34.6 | 42.0 | 52.8 |
| 3.82 | 22 | 84 | - | - | - | - | - | 16.6 | 24.3 | 31.6 | 38.9 | 46.0 | 53.1 | 63.7 |
| 3.84 | 25 | 96 | - | - | - | - | - | - | 20.1 | 27.8 | 35.2 | 42.4 | 49.6 | 60.2 |
| 4.00 | 18 | 72 | - | - | - | - | 17.2 | 21.0 | 28.3 | 35.5 | 42.7 | 49.8 | 56.8 | 67.4 |
| 4.00 | 21 | 84 | - | - | - | - | - | 16.8 | 24.5 | 31.8 | 39.1 | 46.2 | 53.3 | 63.9 |
| 4.00 | 24 | 96 | - | - | - | - | - | - | 20.3 | 28.0 | 35.3 | 42.6 | 49.8 | 60.4 |
| 4.00 | 30 | 120 | - | - | - | - | - | - | - | - | 27.4 | 35.0 | 42.4 | 53.2 |
| 4.14 | 29 | 120 | - | - | - | - | - | - | - | - | 27.5 | 35.1 | 42.5 | 53.4 |
| 4.17 | 23 | 96 | - | - | - | - | - | - | 20.5 | 28.2 | 35.5 | 42.8 | 49.9 | 60.6 |
| 4.20 | 20 | 84 | - | - | - | - | - | 17.0 | 24.7 | 32.0 | 39.3 | 46.4 | 53.5 | 64.1 |
| 4.29 | 28 | 120 | - | - | - | - | - | - | - | - | 27.7 | 35.3 | 42.7 | 53.6 |
| 4.36 | 22 | 96 | - | - | - | - | - | - | 20.7 | 28.3 | 35.7 | 43.0 | 50.1 | 60.8 |
| 4.44 | 27 | 120 | - | - | - | - | - | - | - | - | 27.9 | 35.5 | 42.9 | 53.8 |
| 4.57 | 21 | 96 | - | - | - | - | - | - | 20.8 | 28.5 | 35.9 | 43.2 | 50.3 | 61.0 |
| 4.62 | 26 | 120 | - | - | - | - | - | - | - | - | 28.1 | 35.7 | 43.1 | 54.0 |
| 4.67 | 18 | 84 | - | - | - | - | - | 17.3 [Ⓢ] | 25.0 | 32.4 | 39.6 | 46.8 | 53.9 | 64.5 |
| 4.80 | 20 | 96 | - | - | - | - | - | - | 21.0 | 28.7 | 36.1 | 43.3 | 50.5 | 61.2 |
| 4.80 | 25 | 120 | - | - | - | - | - | - | - | - | 28.2 | 35.9 | 43.3 | 54.2 |
| 5.00 | 24 | 120 | - | - | - | - | - | - | - | - | 28.4 | 36.0 | 43.5 | 54.4 |
| 5.22 | 23 | 120 | - | - | - | - | - | - | - | - | 28.6 | 36.2 | 43.6 | 54.6 |
| 5.33 | 18 | 96 | - | - | - | - | - | - | 21.3 | 29.1 | 36.5 | 43.7 | 50.9 | 61.6 |
| 5.45 | 22 | 120 | - | - | - | - | - | - | - | - | 28.7 | 36.4 | 43.8 | 54.8 |
| 5.71 | 21 | 120 | - | - | - | - | - | - | - | 20.7 | 28.9 | 36.6 | 44.0 | 54.9 |
| 6.00 | 20 | 120 | - | - | - | - | - | - | - | 20.9 [Ⓢ] | 29.1 | 36.8 | 44.2 | 55.1 |
| 6.67 | 18 | 120 | - | - | - | - | - | - | - | 21.2 [Ⓢ] | 29.4 | 37.1 | 44.6 | 55.5 |

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "700XH" belt is 70 inches long and is for use with 7/8 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 300 to this number (making the complete part number read "700XH300") indicates that the belt is 3 inches wide.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

| TEETH IN MESH | FACTOR |
|---------------|--------|
| Ⓢ | .80 |

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.



TABLE No. 1 1 1/4" PITCH DRIVE TABLE

| NOMINAL RATIO | PULLEY COMBINATION | | | | AVAILABLE BELT WIDTHS | | | | DRIVEN SPEEDS AND HORSEPOWER FOR 1" WIDE BELT | | | | | | NOMINAL CENTER DISTANCES USING BROWNING® GEARBELT® | | | | | | | |
|---------------|--------------------|------------|----------------|------------|-----------------------|----------------|--------------|----------------|---|----------------|----------------|---------|---------------|----------|--|----------|----------|----------|------|------|------|------|
| | DRIVER | | DRIVEN | | | | | | 1750 RPM MOTOR | | 1160 RPM MOTOR | | 870 RPM MOTOR | | | | | | | | | |
| | NUMBER GROOVES | PITCH DIA. | NUMBER GROOVES | PITCH DIA. | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT | DRIVEN SPEED | HP FOR 1" BELT | 700 XXH | 800 XXH | 900 XXH | 1000 XXH | 1200 XXH | 1400 XXH | 1600 XXH | 1800 XXH | | | | |
| 1.00 | 18 | 7.162 | 18 | 7.162 | x | x | x | x | 1750 | *20.77 | 1160 | *14.69 | 870 | *11.26 | 23.8 | 28.8 | 33.8 | 38.8 | 48.8 | 58.8 | 68.8 | 78.8 |
| 1.00 | 20 | 7.958 | 20 | 7.958 | x | x | x | x | 1750 | *22.42 | 1160 | *16.14 | 870 | *12.43 | 22.5 | 27.5 | 32.5 | 37.5 | 47.5 | 57.5 | 67.5 | 77.5 |
| 1.00 | 22 | 8.754 | 22 | 8.754 | x | x | x | x | 1750 | *23.87 | 1160 | *17.52 | 870 | 13.58 | 21.3 | 26.3 | 31.3 | 36.3 | 46.3 | 56.3 | 66.3 | 76.3 |
| 1.00 | 24 | 9.549 | 24 | 9.549 | x | x | x | x | 1750 | *25.10 | 1160 | 18.84 | 870 | 14.69 | 20.0 | 25.0 | 30.0 | 35.0 | 45.0 | 55.0 | 65.0 | 75.0 |
| 1.00 | 26 | 10.345 | 26 | 10.345 | x | x | x | x | 1750 | 26.08 | 1160 | 20.08 | 870 | 15.78 | 18.8 | 23.8 | 28.8 | 33.8 | 43.8 | 53.8 | 63.8 | 73.8 |
| 1.00 | 30 | 11.937 | 30 | 11.937 | x | x | x | x | 1750 | 27.21 | 1160 | 22.33 | 870 | 17.86 | 16.3 | 21.3 | 26.3 | 31.3 | 41.3 | 51.3 | 61.3 | 71.3 |
| 1.00 | 34 | 13.528 | 34 | 13.528 | x | x | x | x | 1750 | - | 1160 | 24.23 | 870 | 19.78 | - | 18.8 | 23.8 | 28.8 | 38.8 | 48.8 | 58.8 | 68.8 |
| 1.00 | 40 | 15.915 | 40 | 15.915 | x | x | x | x | 1750 | - | 1160 | 26.28 | 870 | 22.33 | - | - | 20.0 | 25.0 | 35.0 | 45.0 | 55.0 | 65.0 |
| 1.08 | 24 | 9.549 | 26 | 10.345 | x | x | x | x | 1615 | *25.10 | 1071 | 18.84 | 803 | 14.69 | 19.4 | 24.4 | 29.4 | 34.4 | 44.4 | 54.4 | 64.4 | 74.4 |
| 1.09 | 22 | 8.754 | 24 | 9.549 | x | x | x | x | 1604 | *23.87 | 1063 | *17.52 | 798 | 13.58 | 20.6 | 25.6 | 30.6 | 35.6 | 45.6 | 55.6 | 65.6 | 75.6 |
| 1.10 | 20 | 7.958 | 22 | 8.754 | x | x | x | x | 1591 | *22.42 | 1055 | *16.14 | 791 | *12.43 | 21.9 | 26.9 | 31.9 | 36.9 | 46.9 | 56.9 | 66.9 | 76.9 |
| 1.11 | 18 | 7.162 | 20 | 7.958 | x | x | x | x | 1575 | *20.77 | 1044 | *14.69 | 783 | *11.26 | 23.1 | 28.1 | 33.1 | 38.1 | 48.1 | 58.1 | 68.1 | 78.1 |
| 1.13 | 30 | 11.937 | 34 | 13.528 | x | x | x | x | 1544 | 27.21 | 1024 | 22.33 | 768 | 17.86 | 15.0 | 20.0 | 25.0 | 30.0 | 40.0 | 50.0 | 60.0 | 70.0 |
| 1.15 | 26 | 10.345 | 30 | 11.937 | x | x | x | x | 1517 | 26.08 | 1005 | 20.08 | 754 | 15.78 | 17.5 | 22.5 | 27.5 | 32.5 | 42.5 | 52.5 | 62.5 | 72.5 |
| 1.18 | 22 | 8.754 | 26 | 10.345 | x | x | x | x | 1481 | *23.87 | 982 | *17.52 | 736 | 13.58 | 20.0 | 25.0 | 30.0 | 35.0 | 45.0 | 55.0 | 65.0 | 75.0 |
| 1.18 | 34 | 13.528 | 40 | 15.915 | x | x | x | x | 1488 | - | 986 | 24.23 | 740 | 19.78 | - | 16.8 | 21.8 | 26.8 | 36.8 | 46.8 | 56.8 | 66.8 |
| 1.20 | 20 | 7.958 | 24 | 9.549 | x | x | x | x | 1458 | *22.42 | 967 | *16.14 | 725 | *12.43 | 21.2 | 26.2 | 31.2 | 36.2 | 46.2 | 56.2 | 66.2 | 76.2 |
| 1.20 | 40 | 15.915 | 48 | 19.099 | x | x | x | x | 1458 | - | 967 | 26.28 | 725 | 22.33 | - | - | 22.5 | 32.5 | 42.5 | 52.5 | 62.5 | 72.5 |
| 1.22 | 18 | 7.162 | 22 | 8.754 | x | x | x | x | 1432 | *20.77 | 949 | *14.69 | 712 | *11.26 | 22.5 | 27.5 | 32.5 | 37.5 | 47.5 | 57.5 | 67.5 | 77.5 |
| 1.25 | 24 | 9.549 | 30 | 11.937 | x | x | x | x | 1400 | *25.10 | 928 | 18.84 | 696 | 14.69 | 18.1 | 23.1 | 28.1 | 33.1 | 43.1 | 53.1 | 63.1 | 73.1 |
| 1.30 | 20 | 7.958 | 26 | 10.345 | x | x | x | x | 1346 | *22.42 | 892 | *16.14 | 669 | *12.43 | 20.6 | 25.6 | 30.6 | 35.6 | 45.6 | 55.6 | 65.6 | 75.6 |
| 1.31 | 26 | 10.345 | 34 | 13.528 | x | x | x | x | 1338 | 26.08 | 887 | 20.08 | 665 | 15.78 | 16.2 | 21.2 | 26.2 | 31.2 | 41.2 | 51.2 | 61.2 | 71.2 |
| 1.33 | 18 | 7.162 | 24 | 9.549 | x | x | x | x | 1313 | *20.77 | 870 | *14.69 | 653 | *11.26 | 21.8 | 26.8 | 31.8 | 36.8 | 46.8 | 56.8 | 66.8 | 76.8 |
| 1.33 | 30 | 11.937 | 40 | 15.915 | x | x | x | x | 1313 | 27.21 | 870 | 22.33 | 653 | 17.86 | - | 18.0 | 23.0 | 28.0 | 38.0 | 48.0 | 58.0 | 68.0 |
| 1.36 | 22 | 8.754 | 30 | 11.937 | x | x | x | x | 1283 | *23.87 | 851 | *17.52 | 638 | 13.58 | 18.7 | 23.7 | 28.7 | 33.7 | 43.7 | 53.7 | 63.7 | 73.7 |
| 1.41 | 34 | 13.528 | 48 | 19.099 | x | x | x | x | 1240 | - | 822 | 24.23 | 616 | 19.78 | - | - | 19.2 | 24.2 | 34.2 | 44.2 | 54.2 | 64.2 |
| 1.42 | 24 | 9.549 | 34 | 13.528 | x | x | x | x | 1235 | *25.10 | 819 | 18.84 | 614 | 14.69 | 16.8 | 21.8 | 26.8 | 31.8 | 41.8 | 51.8 | 61.8 | 71.8 |
| 1.44 | 18 | 7.162 | 26 | 10.345 | x | x | x | x | 1212 | *20.77 | 803 | *14.69 | 602 | *11.26 | 21.2 | 26.2 | 31.2 | 36.2 | 46.2 | 56.2 | 66.2 | 76.2 |
| 1.50 | 20 | 7.958 | 30 | 11.937 | x | x | x | x | 1167 | *22.42 | 773 | *16.14 | 580 | *12.43 | 19.3 | 24.3 | 29.3 | 34.3 | 44.3 | 54.3 | 64.3 | 74.3 |
| 1.50 | 40 | 15.915 | 60 | 23.873 | x | x | x | x | 1167 | - | 773 | 26.28 | 580 | 22.33 | - | - | - | 28.5 | 38.5 | 48.5 | 58.5 | 68.5 |
| 1.54 | 26 | 10.345 | 40 | 15.915 | x | x | x | x | 1138 | 26.08 | 754 | 20.08 | 566 | 15.78 | - | 19.2 | 24.2 | 29.2 | 39.2 | 49.2 | 59.2 | 69.2 |
| 1.55 | 22 | 8.754 | 34 | 13.528 | x | x | x | x | 1132 | *23.87 | 751 | *17.52 | 563 | 13.58 | 17.3 | 22.4 | 27.4 | 32.4 | 42.4 | 52.4 | 62.4 | 72.4 |
| 1.60 | 30 | 11.937 | 48 | 19.099 | x | x | x | x | 1094 | 27.21 | 725 | 22.33 | 544 | 17.86 | - | - | 20.3 | 30.3 | 40.3 | 50.3 | 60.3 | 70.3 |
| 1.67 | 18 | 7.162 | 30 | 11.937 | x | x | x | x | 1050 | *20.77 | 696 | *14.69 | 522 | *11.26 | 19.9 | 24.9 | 29.9 | 34.9 | 44.9 | 54.9 | 64.9 | 74.9 |
| 1.67 | 24 | 9.549 | 40 | 15.915 | x | x | x | x | 1050 | *25.10 | 696 | 18.84 | 522 | 14.69 | 14.7 | 19.8 | 24.8 | 29.8 | 39.8 | 49.8 | 59.8 | 69.8 |
| 1.70 | 20 | 7.958 | 34 | 13.528 | x | x | x | x | 1029 | *22.42 | 682 | *16.14 | 512 | *12.43 | 17.9 | 23.0 | 28.0 | 33.0 | 43.0 | 53.0 | 63.0 | 73.0 |
| 1.76 | 34 | 13.528 | 60 | 23.873 | x | x | x | x | 992 | - | 657 | 24.23 | 493 | 19.78 | - | - | - | 30.0 | 40.0 | 50.0 | 60.0 | 70.0 |
| 1.80 | 40 | 15.915 | 72 | 28.648 | x | x | x | x | 972 | - | 644 | 26.28 | 483 | 22.33 | - | - | - | 24.2 | 34.2 | 44.2 | 54.2 | 64.2 |
| 1.82 | 22 | 8.754 | 40 | 15.915 | x | x | x | x | 963 | *23.87 | 638 | *17.52 | 479 | 13.58 | 15.2 | 20.3 | 25.4 | 30.4 | 40.5 | 50.5 | 60.5 | 70.5 |
| 1.85 | 26 | 10.345 | 48 | 19.099 | x | x | x | x | 948 | 26.08 | 628 | 20.08 | 471 | 15.78 | - | 16.3 | 21.4 | 26.5 | 36.6 | 46.7 | 56.7 | 66.7 |
| 1.89 | 18 | 7.162 | 34 | 13.528 | x | x | x | x | 926 | *20.77 | 614 | *14.69 | 461 | *11.26 | 18.5 | 23.5 | 28.6 | 33.6 | 43.6 | 53.6 | 63.6 | 73.6 |
| 2.00 | 20 | 7.958 | 40 | 15.915 | x | x | x | x | 875 | *22.42 | 580 | *16.14 | 435 | *12.43 | 15.8 | 20.9 | 26.0 | 31.0 | 41.1 | 51.1 | 61.1 | 71.1 |
| 2.00 | 24 | 9.549 | 48 | 19.099 | x | x | x | x | 875 | *25.10 | 580 | 18.84 | 435 | 14.69 | - | 16.8 | 22.0 | 27.0 | 37.2 | 47.3 | 57.3 | 67.3 |
| 2.00 | 30 | 11.937 | 60 | 23.873 | x | x | x | x | 875 | 27.21 | 580 | 22.33 | 435 | 17.86 | - | - | 21.0 | 31.3 | 41.5 | 51.5 | 61.6 | 71.6 |
| 2.12 | 34 | 13.528 | 72 | 28.648 | x | x | x | x | 826 | - | 548 | 24.23 | 411 | 19.78 | - | - | - | 25.8 | 36.1 | 46.3 | 56.6 | 66.9 |
| 2.18 | 22 | 8.754 | 48 | 19.099 | x | x | x | x | 802 | *23.87 | 532 | *17.52 | 399 | 13.58 | - | 17.4 | 22.5 | 27.7 | 37.8 | 47.9 | 57.9 | 67.9 |
| 2.22 | 18 | 7.162 | 40 | 15.915 | x | x | x | x | 788 | *20.77 | 522 | *14.69 | 392 | *11.26 | 16.3 | 21.4 | 26.5 | 31.6 | 41.7 | 51.7 | 61.7 | 71.8 |
| 2.25 | 40 | 15.915 | 90 | 35.810 | x | x | x | x | 778 | - | 516 | 26.28 | 387 | 22.33 | - | - | - | - | 27.6 | 37.8 | 47.8 | 57.8 |
| 2.31 | 26 | 10.345 | 60 | 23.873 | x | x | x | x | 758 | 26.08 | 503 | 20.08 | 377 | 15.78 | - | - | - | 22.1 | 32.4 | 42.6 | 52.7 | 62.8 |
| 2.40 | 20 | 7.958 | 48 | 19.099 | x | x | x | x | 729 | *22.42 | 483 | *16.14 | 363 | *12.43 | - | 17.9 | 23.1 | 28.2 | 38.4 | 48.4 | 58.5 | 68.5 |
| 2.40 | 30 | 11.937 | 72 | 28.648 | x | x | x | x | 729 | 27.21 | 483 | 22.33 | 363 | 17.86 | - | - | - | 26.8 | 37.2 | 47.4 | 57.5 | 67.5 |
| 2.50 | 24 | 9.549 | 60 | 23.873 | x | x | x | x | 700 | *25.10 | 464 | 18.84 | 348 | 14.69 | - | - | - | 22.6 | 33.0 | 43.2 | 53.4 | 63.4 |
| 2.65 | 34 | 13.528 | 90 | 35.810 | x | x | x | x | 661 | - | 438 | 24.23 | 329 | 19.78 | - | - | - | - | 29.2 | 39.7 | 49.7 | 59.7 |
| 2.67 | 18 | 7.162 | 48 | 19.099 | x | x | x | x | 656 | *20.77 | 435 | *14.69 | 326 | *11.26 | - | 18.4 | 23.6 | 28.8 | 38.9 | 49.0 | 59.1 | 69.1 |
| 2.73 | 22 | 8.754 | 60 | 23.873 | x | x | x | x | 642 | *23.87 | 425 | *17.52 | 319 | 13.58 | - | - | 17.8 | 23.2 | 33.5 | 43.7 | 53.9 | 63.9 |
| 2.77 | 26 | 10.345 | 72 | 28.648 | x | x | x | x | 632 | 26.08 | 419 | 20.08 | 314 | 15.78 | - | - | - | - | 27.9 | 38.3 | 48.5 | 58.7 |
| 3.00 | 20 | 7.958 | 60 | 23.873 | x | x | x | x | 583 | *22.42 | 387 | *16.14 | 290 | *12.43 | - | - | 18.3 | 23.7 | 34.1 | 44.3 | 54.4 | 64.5 |
| 3.00 | 24 | 9.549 | 72 | 28.648 | x | x | x | x | 583 | *25.10 | 387 | 18.84 | 290 | 14.69 | - | - | - | - | 28.4 | 38.8 | 49.1 | 59.2 |
| 3.00 | 30 | 11.937 | 90 | 35.810 | x | x | x | x | 583 | 27.21 | 387 | 22.33 | 290 | 17.86 | - | - | - | - | 30.2 | 40.8 | 51.1 | 61.2 |
| 3.27 | 22 | 8.754 | 72 | 28.648 | x | x | x | x | 535 | *23.87 | 354 | *17.52 | 266 | 13.58 | - | - | - | - | 28.9 | 39.4 | 49.6 | 59.8 |
| 3.33 | 18 | 7.162 | 60 | 23.873 | x | x | x | x | 525 | *20.77 | 348 | *14.69 | 261 | *11.26 | - | - | 18.8 | 24.2 | 34.6 | 44.9 | 55.0 | 65.1 |
| 3.46 | 26 | 10.345 | 90 | 35.810 | x | x | x | x | 506 | 26.08 | 335 | 20.08 | 251 | 15.78 | - | - | - | - | 31.2 | 41.8 | 52.2 | 62.4 |
| 3.60 | | | | | | | | | | | | | | | | | | | | | | |

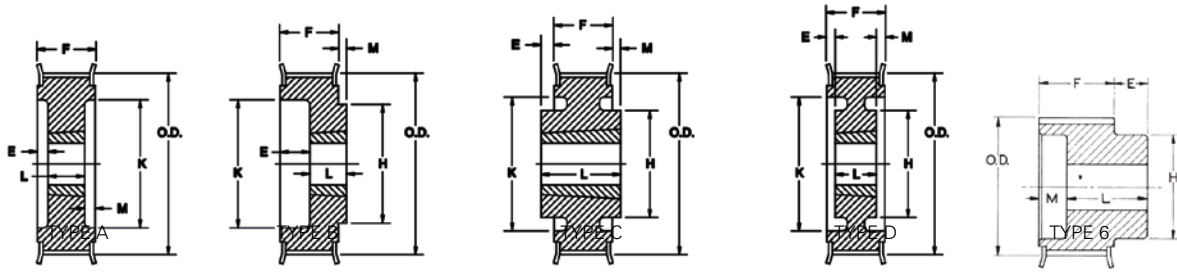


TABLE No. 1

SPECIFICATIONS

| SPROCKET NUMBER | BUSHING | BORE RANGE | | TYPE | NO. TEETH | DIAMETERS | | | DIMENSIONS | | | | | WT. Lbs. | |
|--|---------|------------|-------|------|-----------|-----------|--------|--------|------------|--------|--------|------|-------|----------|------|
| | | MIN. | MAX. | | | P.D. | O.D. | FLANGE | E | F | H | K | L | | M |
| FOR 8M20 BELTS - 8mm PITCH - 20mm (.79") WIDE | | | | | | | | | | | | | | | |
| B208M20B | - | 1/2" | 5/8" | 6F | 20 | 2.005* | 1.951* | 2.375* | .625* | 1.125* | 1.375* | - | 1.75* | 0* | .9 |
| B218M20B | - | 1/2 | 3/4 | 6F | 21 | 2.105 | 2.051 | 2.375 | .625 | 1.125 | 1.5 | - | 1.75 | 0 | 1.0 |
| B228M20TL | 1008 | 1/2 | 1 | A1F | 22 | 2.206 | 2.152 | 2.559 | - | 1.2 | - | 1.63 | .88 | .33 | .6 |
| B248M20TL | 1108 | 1/2 | 1 1/8 | A1F | 24 | 2.406 | 2.352 | 2.756 | - | 1.2 | - | 1.63 | .88 | .33 | .8 |
| B258M20TL | 1108 | 1/2 | 1 1/8 | A1F | 25 | 2.507 | 2.453 | 2.953 | - | 1.2 | - | 1.92 | .88 | .33 | .8 |
| B268M20TL | 1108 | 1/2 | 1 1/8 | A1F | 26 | 2.607 | 2.553 | 2.953 | - | 1.2 | - | 1.92 | .88 | .33 | .9 |
| B278M20TL | 1108 | 1/2 | 1 1/8 | A1F | 27 | 2.707 | 2.653 | 3.15 | - | 1.2 | - | 1.92 | .88 | .33 | 1. |
| B288M20TL | 1108 | 1/2 | 1 1/8 | A1F | 28 | 2.807 | 2.753 | 3.15 | - | 1.2 | - | 2.18 | .88 | .33 | 1. |
| B298M20TL | 1108 | 1/2 | 1 1/8 | A1F | 29 | 2.908 | 2.854 | 3.346 | - | 1.2 | - | 1.92 | .88 | .33 | 1.2 |
| B308M20TL | 1210 | 1/2 | 1 1/4 | A1F | 30 | 3.008 | 2.954 | 3.346 | - | 1.2 | - | 2.38 | 1 | .2 | 1.3 |
| B318M20TL | 1210 | 1/2 | 1 1/4 | A1F | 31 | 3.108 | 3.054 | 3.543 | - | 1.2 | - | 2.58 | 1 | .2 | 1.4 |
| B328M20TL | 1210 | 1/2 | 1 1/4 | A1F | 32 | 3.208 | 3.154 | 3.543 | - | 1.2 | - | 2.58 | 1 | .2 | 1.4 |
| B338M20TL | 1610 | 1/2 | 1 5/8 | A1F | 33 | 3.309 | 3.255 | 3.819 | - | 1.2 | - | 2.66 | 1 | .2 | 1.4 |
| B348M20TL | 1610 | 1/2 | 1 5/8 | A1F | 34 | 3.409 | 3.355 | 3.819 | - | 1.2 | - | 2.66 | 1 | .2 | 1.4 |
| B358M20TL | 1610 | 1/2 | 1 5/8 | A1F | 35 | 3.509 | 3.455 | 3.938 | - | 1.2 | - | 2.65 | 1 | .2 | 1.4 |
| B368M20TL | 1610 | 1/2 | 1 5/8 | A1F | 36 | 3.609 | 3.555 | 3.938 | - | 1.2 | - | 2.65 | 1 | .2 | 1.6 |
| B378M20TL | 1610 | 1/2 | 1 5/8 | A1F | 37 | 3.710 | 3.656 | 4.156 | - | 1.2 | - | 2.75 | 1 | .2 | 1.7 |
| B388M20TL | 1610 | 1/2 | 1 5/8 | A1F | 38 | 3.810 | 3.756 | 4.156 | - | 1.2 | - | 2.75 | 1 | .2 | 1.9 |
| B398M20TL | 1610 | 1/2 | 1 5/8 | A1F | 39 | 3.909 | 3.855 | 4.331 | - | 1.2 | - | 2.75 | 1 | .2 | 2 |
| B408M20TL | 2012 | 1/2 | 2 | A1F | 40 | 4.010 | 3.956 | 4.331 | - | 1.25 | - | - | 1.25 | - | 2 |
| B428M20TL | 2012 | 1/2 | 2 | A1F | 42 | 4.211 | 4.157 | 4.687 | - | 1.25 | - | - | 1.25 | - | 2.4 |
| B448M20TL | 2012 | 1/2 | 2 | A1F | 44 | 4.411 | 4.357 | 4.764 | - | 1.25 | - | - | 1.25 | - | 2.8 |
| B468M20TL | 2012 | 1/2 | 2 | A1F | 46 | 4.612 | 4.558 | 5.005 | - | 1.25 | - | - | 1.25 | - | 3.2 |
| B488M20TL | 2012 | 1/2 | 2 | A1F | 48 | 4.812 | 4.758 | 5.157 | - | 1.25 | - | - | 1.25 | - | 3.7 |
| B508M20TL | 2012 | 1/2 | 2 | A1F | 50 | 5.013 | 4.959 | 5.32 | - | 1.25 | - | - | 1.25 | - | 4.2 |
| B538M20TL | 2012 | 1/2 | 2 | A1F | 53 | 5.313 | 5.259 | 5.763 | - | 1.25 | - | - | 1.25 | - | 5 |
| B568M20TL | 2012 | 1/2 | 2 | A1F | 56 | 5.614 | 5.560 | 5.945 | - | 1.25 | - | - | 1.25 | - | 5.8 |
| B648M20TL | 2012 | 1/2 | 2 | C1F | 64 | 6.416 | 6.362 | 6.772 | - | 1.2 | 3.76 | 5.71 | 1.25 | .05 | 4.2 |
| B728M20TL | 2517 | 1/2 | 2 1/2 | C1F | 72 | 7.218 | 7.164 | 7.575 | - | 1.2 | 4.5 | 6.51 | 1.75 | .55 | 6.2 |
| B808M20TL | 2517 | 1/2 | 2 1/2 | C1F | 80 | 8.020 | 7.966 | 8.386 | - | 1.2 | 4.5 | 7.23 | 1.75 | .55 | 7.5 |
| B908M20TL | 2517 | 1/2 | 2 1/2 | C-2 | 90 | 9.023 | 8.969 | - | - | 1.2 | 4.5 | 7.78 | 1.75 | .55 | 11 |
| B1128M20TL | 2517 | 1/2 | 2 1/2 | C-2 | 112 | 11.229 | 11.175 | - | - | 1.2 | 4.5 | 10 | 1.75 | .55 | 16 |
| B1448M20TL | 2517 | 1/2 | 2 1/2 | C-3 | 144 | 14.447 | 14.383 | - | .56 | 1.13 | 4.88 | 13.2 | 1.75 | .06 | 24.3 |

NOTE - Numerals in Type Designations mean: 1 = Solid, 2 = Web, 3 = Arm Construction; F = Flanged Sprocket.

TABLE No. 1
SPECIFICATIONS

| SPROCKET NUMBER | BUSHING | BORE RANGE | | TYPE | No. TEETH | DIAMETERS | | | DIMENSIONS | | | | | | WT. Lbs. |
|---|---------|------------|-------|------|-----------|-----------|--------|--------|------------|------|--------|-------|--------|------|----------|
| | | MIN. | MAX. | | | P. D. | O. D. | FLANGE | E | F | H | K | L | M | |
| FOR 8M30 BELTS - 8mm PITCH - 30mm (1.18") WIDE | | | | | | | | | | | | | | | |
| B208M30B | - | 1/2" | 5/8" | 6F | 20 | 2.005" | 1.951" | 2.375" | .625" | 1.5" | 1.375" | - | 2.125" | 0" | 1.1 |
| B218M30B | - | 1/2" | 3/4 | 6F | 21 | 2.105 | 2.051 | 2.437 | .625 | 1.5 | 1.5 | - | 2.125 | 0 | 1.3 |
| B228M30TL | 1108 | 1/2" | 1 1/8 | A1F | 22 | 2.206 | 2.152 | 2.559 | - | 1.50 | - | 1.55 | .88 | .63 | .66 |
| B248M30TL | 1108 | 1/2" | 1 1/8 | A1F | 24 | 2.406 | 2.352 | 2.756 | - | 1.50 | - | 1.75 | .88 | .63 | .91 |
| B258M30TL | 1108 | 1/2" | 1 1/8 | A1F | 25 | 2.507 | 2.453 | 2.953 | - | 1.50 | - | 1.75 | .88 | .63 | 1 |
| B268M30TL | 1108 | 1/2" | 1 1/8 | A1F | 26 | 2.607 | 2.553 | 2.953 | - | 1.50 | - | 1.75 | .88 | .63 | 1.11 |
| B278M30TL | 1108 | 1/2" | 1 1/8 | A1F | 27 | 2.707 | 2.653 | 3.1 | - | 1.50 | - | 1.75 | .88 | .63 | 1.4 |
| B288M30TL | 1108 | 1/2" | 1 1/8 | A1F | 28 | 2.807 | 2.753 | 3.15 | - | 1.50 | - | 1.75 | .88 | .63 | 1.54 |
| B298M30TL | 1108 | 1/2" | 1 1/8 | A1F | 29 | 2.908 | 2.854 | 3.256 | - | 1.50 | - | 1.75 | .88 | .63 | 1.55 |
| B308M30TL | 1210 | 1/2" | 1 1/4 | A1F | 30 | 3.008 | 2.954 | 3.346 | - | 1.50 | - | 2.19 | 1 | .50 | 1.5 |
| B318M30TL | 1210 | 1/2" | 1 1/4 | A1F | 31 | 3.108 | 3.054 | 3.42 | - | 1.50 | - | 2.19 | 1 | .50 | 1.65 |
| B328M30TL | 1210 | 1/2" | 1 1/4 | A1F | 32 | 3.208 | 3.154 | 3.543 | - | 1.50 | - | 2.19 | 1 | .50 | 1.76 |
| B338M30TL | 1210 | 1/2" | 1 1/4 | A1F | 33 | 3.309 | 3.255 | 3.735 | - | 1.50 | - | 2.19 | 1 | .50 | 1.75 |
| B348M30TL | 1610 | 1/2" | 1 5/8 | A1F | 34 | 3.409 | 3.355 | 3.819 | - | 1.50 | - | 2.56 | 1 | .50 | 1.81 |
| B358M30TL | 1610 | 1/2" | 1 5/8 | A1F | 35 | 3.509 | 3.455 | 3.938 | - | 1.50 | - | 2.56 | 1 | .50 | 2 |
| B368M30TL | 1610 | 1/2" | 1 5/8 | A1F | 36 | 3.609 | 3.555 | 3.938 | - | 1.50 | - | 2.56 | 1 | .50 | 2.24 |
| B378M30TL | 1610 | 1/2" | 1 5/8 | A1F | 37 | 3.710 | 3.656 | 4.05 | - | 1.50 | - | 2.56 | 1 | .50 | 2.3 |
| B388M30TL | 1610 | 1/2" | 1 5/8 | A1F | 38 | 3.810 | 3.756 | 4.156 | - | 1.50 | - | 2.56 | 1 | .50 | 2.56 |
| B398M30TL | 1610 | 1/2" | 1 5/8 | A1F | 39 | 3.910 | 3.856 | 4.331 | - | 1.50 | - | 2.56 | 1 | .50 | 2.5 |
| B408M30TL | 2012 | 1/2" | 2 | A1F | 40 | 4.010 | 3.956 | 4.331 | - | 1.50 | - | 3.13 | 1.25 | .25 | 2.35 |
| B428M30TL | 2012 | 1/2" | 2 | A1F | 42 | 4.211 | 4.157 | 4.687 | - | 1.50 | - | 3.13 | 1.25 | .25 | 3 |
| B448M30TL | 2012 | 1/2" | 2 | A1F | 44 | 4.411 | 4.357 | 4.764 | - | 1.50 | - | 3.13 | 1.25 | .25 | 3.2 |
| B468M30TL | 2012 | 1/2" | 2 | A1F | 46 | 4.612 | 4.558 | 5.005 | - | 1.50 | - | 3.13 | 1.25 | .25 | 3.9 |
| B488M30TL | 2012 | 1/2" | 2 | A1F | 48 | 4.812 | 4.758 | 5.157 | - | 1.50 | - | 3.13 | 1.25 | .25 | 4.34 |
| B508M30TL | 2012 | 1/2" | 2 | A1F | 50 | 5.013 | 4.959 | 5.32 | - | 1.50 | - | 3.13 | 1.25 | .25 | 5 |
| B538M30TL | 2012 | 1/2" | 2 | A1F | 53 | 5.314 | 5.260 | 5.763 | - | 1.50 | - | 3.13 | 1.25 | .25 | 6.2 |
| B568M30TL | 2012 | 1/2" | 2 | A1F | 56 | 5.614 | 5.560 | 5.945 | - | 1.50 | - | 3.13 | 1.25 | .25 | 6.67 |
| B648M30TL | 2517 | 1/2" | 2 1/2 | B1F | 64 | 6.416 | 6.362 | 6.772 | - | 1.50 | - | | 1.75 | .25 | 9.54 |
| B728M30TL | 2517 | 1/2" | 2 1/2 | B1F | 72 | 7.218 | 7.164 | 7.575 | - | 1.50 | - | | 1.75 | .25 | 12.76 |
| B808M30TL | 2517 | 1/2" | 2 1/2 | B1F | 80 | 8.020 | 7.966 | 8.386 | - | 1.50 | - | | 1.75 | .25 | 16.57 |
| B908M30TL | 2517 | 1/2" | 2 1/2 | C2 | 90 | 9.023 | 8.969 | - | .13 | 1.50 | - | 7.9 | 1.75 | .12 | 16.81 |
| B1128M30TL | 2517 | 1/2" | 2 1/2 | C2 | 112 | 11.229 | 11.175 | - | .13 | 1.50 | - | 10.51 | 1.75 | .12 | 25.5 |
| B1448M30TL | 2517 | 1/2" | 2 1/2 | C3 | 144 | 14.437 | 14.383 | - | .38 | 1.50 | - | 13.2 | 1.75 | - | 29.14 |
| B1928M30TL | 3020 | 15/16 | 3 | C3 | 192 | 19.249 | 19.195 | - | .25 | 1.50 | - | 18.45 | 2 | .25 | 37.2 |
| FOR 8M50 BELTS - 8mm PITCH - 50mm (1.97") WIDE | | | | | | | | | | | | | | | |
| B288M50B | - | 1/2" | 1 1/2 | 6F | 28 | 2.807 | 2.753 | 3.15 | .62 | 2.38 | 2.34 | 1.8 | 2.5 | .50 | 3.8 |
| B308M50TL | 1210 | 1/2" | 1 1/4 | A1F | 30 | 3.008 | 2.954 | 3.346 | - | 2.38 | - | 2.19 | 1 | 1.38 | 2.2 |
| B328M50TL | 1210 | 1/2" | 1 1/4 | A1F | 32 | 3.208 | 3.154 | 3.543 | - | 2.38 | - | 2.19 | 1 | 1.38 | 2.4 |
| B348M50TL | 1610 | 1/2" | 1 5/8 | A1F | 34 | 3.409 | 3.355 | 3.819 | - | 2.38 | - | 2.56 | 1 | 1.38 | 2.4 |
| B368M50TL | 1610 | 1/2" | 1 5/8 | A1F | 36 | 3.609 | 3.555 | 3.938 | - | 2.38 | - | 2.56 | 1 | 1.38 | 2.75 |
| B388M50TL | 1610 | 1/2" | 1 5/8 | A1F | 38 | 3.810 | 3.756 | 4.156 | - | 2.38 | - | 2.56 | 1 | 1.38 | 3.18 |
| B408M50TL | 2012 | 1/2" | 2 | A1F | 40 | 4.010 | 3.956 | 4.331 | - | 2.38 | - | 3.13 | 1.25 | 1.13 | 3.39 |
| B448M50TL | 2012 | 1/2" | 2 | A1F | 44 | 4.411 | 4.357 | 4.764 | - | 2.38 | - | 3.13 | 1.25 | 1.13 | 4.58 |
| B488M50TL | 2012 | 1/2" | 2 | A1F | 48 | 4.812 | 4.758 | 5.157 | - | 2.38 | - | 3.13 | 1.25 | 1.13 | 5.97 |
| B568M50TL | 2517 | 1/2" | 2 1/2 | A1F | 56 | 5.614 | 5.560 | 5.945 | - | 2.38 | - | 3.38 | 1.75 | .63 | 8.09 |
| B648M50TL | 2517 | 1/2" | 2 1/2 | A1F | 64 | 6.416 | 6.362 | 6.772 | - | 2.38 | - | 3.38 | 1.75 | .63 | 11.85 |
| B728M50TL | 2517 | 1/2" | 2 1/2 | A1F | 72 | 7.218 | 7.164 | 7.575 | - | 2.38 | - | 3.38 | 1.75 | .63 | 16.49 |
| B808M50TL | 2517 | 1/2" | 2 1/2 | A1F | 80 | 8.020 | 7.966 | 8.386 | - | 2.38 | - | 3.38 | 1.75 | .63 | 20.85 |
| B908M50TL | 3020 | 15/16 | 3 | A1 | 90 | 9.023 | 8.969 | - | - | 2.38 | - | - | 2 | .38 | 26.69 |
| B1128M50TL | 3020 | 15/16 | 3 | A2 | 112 | 11.229 | 11.175 | - | - | 2.38 | - | - | 2 | .38 | 35.52 |
| B1448M50TL | 3020 | 15/16 | 3 | A3 | 144 | 14.437 | 14.383 | - | - | 2.38 | - | - | 2 | .38 | 51.3 |
| B1928M50TL | 3020 | 15/16 | 3 | A3 | 192 | 19.249 | 19.195 | - | - | 2.38 | - | - | 2 | .38 | 90.0 |
| FOR 8M85 BELTS - 8mm PITCH - 85mm (3.35") WIDE | | | | | | | | | | | | | | | |
| B348M85TL | 1615 | 1/2" | 1 5/8 | A1F | 34 | 3.409 | 3.355 | 3.819 | .75 | 3.75 | - | 2.56 | 1.5 | 1.5 | 3.85 |
| B368M85TL | 1615 | 1/2" | 1 5/8 | A1F | 36 | 3.609 | 3.555 | 3.938 | .75 | 3.75 | - | 2.56 | 1.5 | 1.5 | 4.31 |
| B388M85TL | 1610 | 1/2" | 1 5/8 | A1F | 38 | 3.810 | 3.756 | 4.156 | 1.38 | 3.75 | - | 2.56 | 1 | 1.38 | 4.9 |
| B408M85TL | 2012 | 1/2" | 2 | A1F | 40 | 4.01 | 3.956 | 4.331 | 1.25 | 3.75 | - | 3.13 | 1.25 | 1.25 | 4.56 |
| B448M85TL | 2012 | 1/2" | 2 | A1F | 44 | 4.411 | 4.357 | 4.764 | 1.25 | 3.75 | - | 3.13 | 1.25 | 1.25 | 5.96 |
| B488M85TL | 2012 | 1/2" | 2 | A1F | 48 | 4.812 | 4.758 | 5.157 | 1.25 | 3.75 | - | 3.13 | 1.25 | 1.25 | 7.64 |
| B568M85TL | 2517 | 1/2" | 2 1/2 | A1F | 56 | 5.614 | 5.560 | 5.945 | 1.00 | 3.75 | - | 3.38 | 1.75 | 1.00 | 10.77 |
| B648M85TL | 2517 | 1/2" | 2 1/2 | A1F | 64 | 6.416 | 6.362 | 6.772 | 1.00 | 3.75 | - | 3.38 | 1.75 | 1.00 | 16.91 |
| B728M85TL | 3020 | 15/16 | 3 | A1F | 72 | 7.218 | 7.164 | 7.575 | .88 | 3.75 | - | 3.5 | 2.00 | .88 | 17.67 |
| B808M85TL | 3020 | 15/16 | 3 | A1F | 80 | 8.020 | 7.966 | 8.386 | .5 | 3.75 | - | 3.5 | 2.00 | 1.25 | 22.25 |
| B908M85TL | 3020 | 15/16 | 3 | A1 | 90 | 9.023 | 8.969 | - | .5 | 3.75 | - | - | 2.00 | 1.25 | 32.76 |
| B1128M85TL | 3020 | 15/16 | 3 | D1 | 112 | 11.229 | 11.175 | - | .5 | 3.75 | - | - | 2.00 | 1.25 | 37.84 |
| B1448M85TL | 3535 | 1 3/16 | 3 1/2 | D1 | 144 | 14.437 | 14.383 | - | - | 3.75 | - | - | 3.5 | .25 | 78 |
| B1928M85TL | 3535 | 1 3/16 | 3 1/2 | D1 | 192 | 19.249 | 19.195 | - | .12 | 3.75 | - | - | 3.5 | .13 | 110.2 |

NOTE - Numerals in Type Designations mean: 1 = Solid, 2 = Web, 3 = Arm Construction; F = Flanged Sprocket.

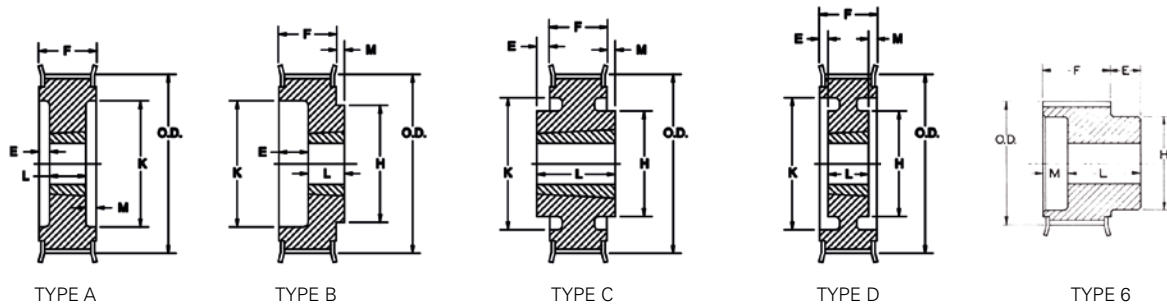



TABLE No. 1

SPECIFICATIONS

| SPROCKET NUMBER | BUSHING | BORE RANGE | | TYPE | NO. TEETH | DIAMETERS | | | DIMENSIONS | | | | | WT. Lbs. |
|---|---------|------------|-------|------|-----------|-----------|--------|--------|------------|-------|-------|-------|------|----------|
| | | MIN. | MAX. | | | P. D. | O. D. | FLANGE | E | F | K | L | M | |
| FOR 14M40 BELTS - 14mm PITCH - 40mm (1.57") WIDE | | | | | | | | | | | | | | |
| B2814M40TL | 2012 | 1/2" | 2 | A1F | 28 | 4.912" | 4.802" | 5.562" | - | 2.13" | 3.13 | 1.25" | .88" | 6.03 |
| B2914M40TL | 2012 | 1/2 | 2 | A1F | 29 | 5.088 | 4.978 | 5.562 | - | 2.13 | 3.13 | 1.25 | .88 | 6.66 |
| B3014M40TL | 2012 | 1/2 | 2 | A1F | 30 | 5.263 | 5.153 | 5.763 | - | 2.13 | 3.13 | 1.25 | .88 | 6.61 |
| B3114M40TL | 2012 | 1/2 | 2 | A1F | 31 | 5.439 | 5.329 | 6.124 | - | 2.13 | 3.13 | 1.25 | .88 | 7.5 |
| B3214M40TL | 2012 | 1/2 | 2 | A1F | 32 | 5.614 | 5.504 | 6.124 | - | 2.13 | 3.13 | 1.25 | .88 | 7.5 |
| B3314M40TL | 2012 | 1/2 | 2 | A1F | 33 | 5.790 | 5.680 | 6.465 | - | 2.13 | 3.13 | 1.25 | .88 | 9 |
| B3414M40TL | 2012 | 1/2 | 2 | A1F | 34 | 5.965 | 5.855 | 6.465 | - | 2.13 | 3.13 | 1.25 | .88 | 9.52 |
| B3514M40TL | 2012 | 1/2 | 2 | A1F | 35 | 6.141 | 6.031 | 6.816 | - | 2.13 | 3.13 | 1.25 | .88 | 10 |
| B3614M40TL | 2517 | 1/2 | 2 1/2 | A1F | 36 | 6.316 | 6.206 | 6.816 | - | 2.13 | 3.38 | 1.75 | .38 | 10.76 |
| B3714M40TL | 2517 | 1/2 | 2 1/2 | A1F | 37 | 6.492 | 6.382 | 7.167 | - | 2.13 | 3.38 | 1.75 | .38 | 11.7 |
| B3814M40TL | 2517 | 1/2 | 2 1/2 | A1F | 38 | 6.669 | 6.559 | 7.167 | - | 2.13 | 3.38 | 1.75 | .38 | 12.45 |
| B3914M40TL | 2517 | 1/2 | 2 1/2 | A1F | 39 | 6.842 | 6.732 | 7.518 | - | 2.13 | 3.38 | 1.75 | .38 | 13.7 |
| B4014M40TL | 2517 | 1/2 | 2 1/2 | A1F | 40 | 7.018 | 6.908 | 7.518 | - | 2.13 | 3.38 | 1.75 | .38 | 14.71 |
| B4214M40TL | 2517 | 1/2 | 2 1/2 | A1F | 42 | 7.369 | 7.259 | 8.044 | - | 2.13 | 3.38 | 1.75 | .38 | 16 |
| B4414M40TL | 2517 | 1/2 | 2 1/2 | A1F | 44 | 7.720 | 7.610 | 8.395 | - | 2.13 | 3.38 | 1.75 | .38 | 18.07 |
| B4614M40TL | 2517 | 1/2 | 2 1/2 | A1F | 46 | 8.070 | 7.960 | 8.395 | - | 2.13 | 3.38 | 1.75 | .38 | 21 |
| B4814M40TL | 2517 | 1/2 | 2 1/2 | A1F | 48 | 8.421 | 8.311 | 8.941 | - | 2.13 | 3.38 | 1.75 | .38 | 22.27 |
| B5014M40TL | 2517 | 1/2 | 2 1/2 | A1F | 50 | 8.772 | 8.662 | 9.292 | - | 2.13 | 6.5 | 1.75 | .38 | 25 |
| B5214M40TL | 2517 | 1/2 | 2 1/2 | A1F | 52 | 9.123 | 9.013 | 9.687 | - | 2.13 | 7.18 | 1.75 | .38 | 27.03 |
| B5614M40TL | 2517 | 1/2 | 2 1/2 | A1F | 56 | 9.825 | 9.715 | 10.355 | - | 2.13 | 7.88 | 1.75 | .38 | 31.6 |
| B6014M40TL | 3020 | 15/16 | 3 | A1F | 60 | 10.527 | 10.417 | 11.067 | - | 2.13 | 8.50 | 2 | .13 | 29.53 |
| B6414M40TL | 3020 | 15/16 | 3 | A1F | 64 | 11.229 | 11.119 | 11.75 | - | 2.13 | 9.25 | 2 | .13 | 32.54 |
| B6814M40TL | 3020 | 15/16 | 3 | D1F | 68 | 11.930 | 11.820 | 12.5 | - | 2.13 | 10 | 2 | .13 | 32.67 |
| B7214M40TL | 3020 | 15/16 | 3 | D1F | 72 | 12.632 | 12.522 | 13.187 | - | 2.13 | 10.69 | 2 | .13 | 39.15 |
| B8014M40TL | 3020 | 15/16 | 3 | D3F | 80 | 14.036 | 13.926 | 14.625 | - | 2.13 | 12.53 | 2 | .13 | 33.1 |
| B9014M40TL | 3020 | 15/16 | 3 | D3 | 90 | 15.790 | 15.680 | - | - | 2.13 | 14.25 | 2 | .13 | 39 |
| B11214M40TL | 3020 | 15/16 | 3 | A3 | 112 | 19.650 | 19.540 | - | - | 2.13 | 18.09 | 2 | .13 | 100.5 |
| B14414M40TL | 3020 | 15/16 | 3 | A3 | 144 | 25.264 | 25.154 | - | - | 2.13 | 23.65 | 2 | .13 | 154.1 |
| B16814M40TL | 3020 | 15/16 | 3 | A3 | 168 | 29.475 | 29.365 | - | - | 2.13 | 27.5 | 2 | .13 | 133.2 |
| B19214M40TL | 3020 | 15/16 | 3 | A3 | 192 | 33.686 | 33.576 | - | - | 2.13 | 31.75 | 2 | .13 | 167.6 |
| FOR 14M55 BELTS - 14mm PITCH - 55mm (2.17") WIDE | | | | | | | | | | | | | | |
| B2814M55TL | 2012 | 1/2 | 2 | A1F | 28 | 4.912 | 4.802 | 5.562 | - | 2.75 | 3.13 | 1.25 | 1.50 | 7.38 |
| B2914M55TL | 2012 | 1/2 | 2 | A1F | 29 | 5.088 | 4.978 | 5.562 | - | 2.75 | 3.13 | 1.25 | 1.50 | 8.17 |
| B3014M55TL | 2517 | 1/2 | 2 1/2 | A1F | 30 | 5.263 | 5.153 | 5.763 | - | 2.75 | 3.38 | 1.75 | 1 | 7.25 |
| B3214M55TL | 2517 | 1/2 | 2 1/2 | A1F | 32 | 5.614 | 5.504 | 6.124 | - | 2.75 | 3.38 | 1.75 | 1 | 9.09 |
| B3414M55TL | 2517 | 1/2 | 2 1/2 | A1F | 34 | 5.965 | 5.855 | 6.465 | - | 2.75 | 3.38 | 1.75 | 1 | 11.11 |
| B3614M55TL | 2517 | 1/2 | 2 1/2 | A1F | 36 | 6.316 | 6.206 | 6.816 | - | 2.75 | 3.38 | 1.75 | 1 | 12.36 |
| B3814M55TL | 2517 | 1/2 | 2 1/2 | A1F | 38 | 6.669 | 6.559 | 7.167 | - | 2.75 | 3.38 | 1.75 | 1 | 15.31 |
| B4014M55TL | 2517 | 1/2 | 2 1/2 | A1F | 40 | 7.018 | 6.908 | 7.518 | - | 2.75 | 3.38 | 1.75 | 1 | 16.66 |
| B4414M55TL | 2517 | 1/2 | 2 1/2 | A1F | 44 | 7.720 | 7.610 | 8.395 | - | 2.75 | 3.38 | 1.75 | 1 | 20.72 |
| B4814M55TL | 3020 | 15/16 | 3 | A1F | 48 | 8.421 | 8.311 | 8.941 | - | 2.75 | 3.5 | 2 | .75 | 24.21 |
| B5214M55TL | 3020 | 15/16 | 3 | A1F | 52 | 9.123 | 9.013 | 9.687 | - | 2.75 | 7.18 | 2 | .75 | 29.26 |
| B5614M55TL | 3020 | 15/16 | 3 | A1F | 56 | 9.825 | 9.715 | 10.355 | - | 2.75 | 7.88 | 2 | .75 | 34.87 |
| B6014M55TL | 3020 | 15/16 | 3 | A1F | 60 | 10.527 | 10.417 | 11.067 | - | 2.75 | 8.5 | 2 | .75 | 41.55 |
| B6414M55TL | 3020 | 15/16 | 3 | A1F | 64 | 11.229 | 11.119 | 11.75 | - | 2.75 | 9.25 | 2 | .75 | 48.04 |
| B6814M55TL | 3020 | 15/16 | 3 | D1F | 68 | 11.930 | 11.820 | 12.5 | - | 2.75 | 10 | 2 | .75 | 42.91 |
| B7214M55TL | 3020 | 15/16 | 3 | D1F | 72 | 12.632 | 12.522 | 13.187 | - | 2.75 | 10.69 | 2 | .75 | 47.51 |
| B8014M55TL | 3020 | 15/16 | 3 | D3F | 80 | 14.036 | 13.926 | 14.625 | - | 2.75 | 12 | 2 | .75 | 37.91 |
| B9014M55TL | 3020 | 15/16 | 3 | D3 | 90 | 15.790 | 15.68 | - | - | 2.75 | 14.22 | 2 | .75 | 55 |
| B11214M55TL | 3020 | 15/16 | 3 | D2 | 112 | 19.650 | 19.54 | - | - | 2.75 | 18.04 | 2 | .75 | 116 |
| B14414M55TL | 3020 | 15/16 | 3 | D3 | 144 | 25.264 | 25.154 | - | - | 2.75 | 23.38 | 2 | .75 | 98 |
| B16814M55TL | 3020 | 15/16 | 3 | D3 | 168 | 29.475 | 29.365 | - | - | 2.75 | 27.5 | 2 | .75 | 145.5 |
| B19214M55TL | 3020 | 15/16 | 3 | C3 | 192 | 33.686 | 33.576 | - | - | 2.75 | 31.93 | 2 | .75 | 432.3 |

NOTE - Numerals in Type Designations mean: 1 = Solid, 2 = Web, 3 = Arm Construction; F = Flanged Sprocket.

TABLE No. 1

SPECIFICATIONS

| SPROCKET NUMBER | BUSH-ING | BORE RANGE | | TYPE | No. TEETH | DIAMETERS | | | DIMENSIONS | | | | | | WT. Lbs. |
|---|----------|------------|---------|------|-----------|-----------|--------|--------|------------|------|------|-------|-------|-------|----------|
| | | MIN. | MAX. | | | P. D. | O. D. | FLANGE | E | F | H | K | L | M | |
| FOR 14M85 BELTS - 14mm PITCH - 85mm (3.35") WIDE | | | | | | | | | | | | | | | |
| B2814M85TL | 2012 | 1/2" | 2" | A1F | 28 | 4.912" | 4.802" | 5.562" | 1.31" | 4" | - | 3.13 | 1.25" | 1.44" | 10.13 |
| B2914M85TL | 2012 | 1/2 | 2 | A1F | 29 | 5.088 | 4.978 | 5.562 | 1.31 | 4 | - | 3.13 | 1.25 | 1.44 | 11.42 |
| B3014M85TL | 2517 | 1/2 | 2 1/2 | A1F | 30 | 5.263 | 5.153 | 5.763 | .81 | 4 | - | 3.38 | 1.75 | 1.44 | 9.72 |
| B3214M85TL | 2517 | 1/2 | 2 1/2 | A1F | 32 | 5.614 | 5.504 | 6.124 | .81 | 4 | - | 3.38 | 1.75 | 1.44 | 12.36 |
| B3414M85TL | 2517 | 1/2 | 2 1/2 | A1F | 34 | 5.965 | 5.855 | 6.465 | .81 | 4 | - | 3.38 | 1.75 | 1.44 | 14.99 |
| B3614M85TL | 3020 | 15/16 | 3 | A1F | 36 | 6.316 | 6.206 | 6.816 | .53 | 4 | - | 3.5 | 2 | 1.47 | 13.57 |
| B3814M85TL | 3020 | 15/16 | 3 | A1F | 38 | 6.669 | 6.559 | 7.167 | .53 | 4 | - | 3.5 | 2 | 1.47 | 16.61 |
| B4014M85TL | 3020 | 15/16 | 3 | A1F | 40 | 7.018 | 6.908 | 7.518 | .53 | 4 | - | 3.5 | 2 | 1.47 | 20 |
| B4414M85TL | 3020 | 15/16 | 3 | A1F | 44 | 7.720 | 7.610 | 8.395 | .53 | 4 | - | 3.5 | 2 | 1.47 | 23.09 |
| B4814M85TL | 3020 | 15/16 | 3 | A1F | 48 | 8.421 | 8.311 | 8.941 | .53 | 4 | - | 3.5 | 2 | 1.47 | 29.8 |
| B5214M85TL | 3535 | 1 3/16 | 3 1/2 | A1F | 52 | 9.123 | 9.013 | 9.687 | - | 4 | - | 7.18 | 3.5 | .5 | 41.98 |
| B5614M85TL | 3535 | 1 3/16 | 3 1/2 | A1F | 56 | 9.825 | 9.715 | 10.355 | - | 4 | - | 7.88 | 3.5 | .5 | 51.4 |
| B6014M85TL | 3535 | 1 3/16 | 3 1/2 | A1F | 60 | 10.527 | 10.417 | 11.067 | - | 4 | - | 8.5 | 3.5 | .5 | 62.4 |
| B6414M85TL | 3535 | 1 3/16 | 3 1/2 | A1F | 64 | 11.229 | 11.119 | 11.775 | - | 4 | - | 9.25 | 3.5 | .5 | 72.66 |
| B6814M85TL | 3535 | 1 3/16 | 3 1/2 | D1F | 68 | 11.930 | 11.820 | 12.500 | - | 4 | - | 10 | 3.5 | .5 | 64.56 |
| B7214M85TL | 3535 | 1 3/16 | 3 1/2 | A1F | 72 | 12.632 | 12.522 | 13.187 | - | 4 | - | 10.69 | 3.5 | .5 | 98.14 |
| B8014M85TL | 3535 | 1 3/16 | 3 1/2 | D2F | 80 | 14.036 | 13.926 | 14.625 | - | 4 | - | 12.13 | 3.5 | .5 | 67.3 |
| B9014M85TL | 3535 | 1 3/16 | 3 1/2 | D2 | 90 | 15.790 | 15.680 | - | - | 4 | - | 14.15 | 3.5 | .5 | 82.8 |
| B11214M85TL | 3535 | 1 3/16 | 3 1/2 | D3 | 112 | 19.650 | 19.540 | - | - | 4 | - | 17.97 | 3.5 | .5 | 120 |
| B14414M85TL | 4040 | 1 7/16 | 4 | D3 | 144 | 25.264 | 25.154 | - | - | 4 | - | 23.4 | 4 | - | 127 |
| B16814M85TL | 4040 | 1 7/16 | 4 | D3 | 168 | 29.475 | 29.365 | - | - | 4 | - | 27.7 | 4 | - | 148 |
| B19214M85TL | 4040 | 1 7/16 | 4 | D3 | 192 | 33.686 | 33.576 | - | - | 4 | - | 31.87 | 4 | - | 410 |
| FOR 14M115 BELTS - 14mm PITCH - 115mm (4.53") WIDE | | | | | | | | | | | | | | | |
| B2814M115B | - | 1 1/4 | 2 11/16 | 6F | 28 | 4.912 | 4.802 | 5.562 | 1.2 | 5.25 | 3.69 | 3.13 | 5 | 1.5 | 21.83 |
| B2914M115B | - | 1 1/4 | 2 11/16 | 6F | 29 | 5.088 | 4.978 | 5.562 | 1.2 | 5.25 | 3.69 | 3.13 | 5 | 1.5 | 19 |
| B3014M115TL | 2517 | 1/2 | 2 1/2 | A1F | 30 | 5.263 | 5.153 | 5.763 | 1.75 | 5.25 | - | 3.38 | 1.75 | 1.75 | 12.88 |
| B3214M115TL | 2517 | 1/2 | 2 1/2 | A1F | 32 | 5.614 | 5.504 | 6.124 | 1.75 | 5.25 | - | 3.38 | 1.75 | 1.75 | 14.81 |
| B3414M115TL | 2517 | 1/2 | 2 1/2 | A1F | 34 | 5.965 | 5.855 | 6.465 | 1.75 | 5.25 | - | 3.38 | 1.75 | 1.75 | 18.9 |
| B3614M115TL | 3020 | 15/16 | 3 | A1F | 36 | 6.316 | 6.206 | 6.816 | 1.63 | 5.25 | - | 3.5 | 2 | 1.63 | 17.37 |
| B3814M115TL | 3020 | 15/16 | 3 | A1F | 38 | 6.669 | 6.559 | 7.167 | 1.63 | 5.25 | - | 3.5 | 2 | 1.63 | 19.31 |
| B4014M115TL | 3020 | 15/16 | 3 | A1F | 40 | 7.018 | 6.908 | 7.518 | 1.63 | 5.25 | - | 3.5 | 2 | 1.63 | 23.46 |
| B4414M115TL | 3535 | 1 3/16 | 3 1/2 | A1F | 44 | 7.720 | 7.610 | 8.395 | .88 | 5.25 | - | 6.13 | 3.5 | .88 | 29.25 |
| B4814M115TL | 3535 | 1 3/16 | 3 1/2 | A1F | 48 | 8.421 | 8.311 | 8.941 | .88 | 5.25 | - | 6.5 | 3.5 | .88 | 40.1 |
| B5214M115TL | 4040 | 1 7/16 | 4 | A1F | 52 | 9.123 | 9.013 | 9.687 | .63 | 5.25 | - | 7.18 | 4 | .63 | 45.36 |
| B5614M115TL | 4040 | 1 7/16 | 4 | A1F | 56 | 9.825 | 9.715 | 10.355 | .63 | 5.25 | - | 7.88 | 4 | .63 | 58.4 |
| B6014M115TL | 4040 | 1 7/16 | 4 | A1F | 60 | 10.527 | 10.417 | 11.067 | .63 | 5.25 | - | 8.5 | 4 | .63 | 73 |
| B6414M115TL | 4545 | 1 15/16 | 4 1/2 | A1F | 64 | 11.229 | 11.119 | 11.775 | .38 | 5.25 | - | 9.25 | 4.5 | .38 | 81 |
| B6814M115TL | 4545 | 1 15/16 | 4 1/2 | A1F | 68 | 11.930 | 11.820 | 12.500 | .38 | 5.25 | - | 10 | 4.5 | .38 | 106 |
| B7214M115TL | 4545 | 1 15/16 | 4 1/2 | A1F | 72 | 12.632 | 12.522 | 13.187 | .38 | 5.25 | - | 10.7 | 4.5 | .38 | 112.2 |
| B8014M115TL | 4545 | 1 15/16 | 4 1/2 | A2F | 80 | 14.036 | 13.926 | 14.625 | .38 | 5.25 | - | 12.13 | 4.5 | .38 | 159 |
| B9014M115TL | 4545 | 1 15/16 | 4 1/2 | D2 | 90 | 15.790 | 15.68 | - | .38 | 5.25 | - | 14.11 | 4.5 | .38 | 132 |
| B11214M115TL | 4545 | 1 15/16 | 4 1/2 | D2 | 112 | 19.650 | 19.54 | - | - | 5.25 | - | 17.94 | 4.5 | .75 | 190 |
| B14414M115TL | 4545 | 1 15/16 | 4 1/2 | D3 | 144 | 25.264 | 25.154 | - | .38 | 5.25 | - | 23.4 | 4.5 | .38 | 166 |
| B16814M115TL | 4545 | 1 15/16 | 4 1/2 | D3 | 168 | 29.475 | 29.365 | - | .38 | 5.25 | - | 27.66 | 4.5 | .38 | 198 |
| B19214M115TL | 4545 | 1 15/16 | 4 1/2 | D3 | 192 | 33.686 | 33.576 | - | .38 | 5.25 | - | 31.83 | 4.5 | .38 | 232 |
| B21614M115TL | 6050 | 4 7/16 | 5 15/16 | D3 | 216 | 37.896 | 37.786 | - | - | 5.25 | - | 36 | 5 | .25 | 307 |
| FOR 14M170 BELTS - 14mm PITCH - 170mm (6.69") WIDE | | | | | | | | | | | | | | | |
| B3614M170B | - | 1 1/2 | 3 3/8 | 6F | 36 | 6.316 | 6.206 | 6.816 | 1.21 | 7.42 | 5 | 4.69 | 6 | 2.63 | 44.7 |
| B3814M170B | - | 1 1/2 | 3 3/8 | 6F | 38 | 6.667 | 6.557 | 7.167 | 1.21 | 7.42 | 5.38 | 4.94 | 6 | 2.63 | 50.8 |
| B4014M170TL | 3535 | 1 3/16 | 3 1/2 | A1F | 40 | 7.018 | 6.908 | 7.518 | 1.94 | 7.38 | - | 5.54 | 3.5 | 1.94 | 57.5 |
| B4414M170TL | 3535 | 1 3/16 | 3 1/2 | A1F | 44 | 7.720 | 7.610 | 8.395 | 1.94 | 7.38 | - | 6.06 | 3.5 | 1.94 | 58, |
| B4814M170TL | 3535 | 1 3/16 | 3 1/2 | A1F | 48 | 8.421 | 8.311 | 8.941 | 1.94 | 7.38 | - | 6.5 | 3.5 | 1.94 | 45 |
| B5214M170TL | 4040 | 1 7/16 | 4 | A1F | 52 | 9.123 | 9.013 | 9.687 | 1.13 | 7.38 | - | 7.18 | 4 | 2.25 | 60 |
| B5614M170TL | 4040 | 1 7/16 | 4 | A1F | 56 | 9.825 | 9.715 | 10.355 | 1.13 | 7.38 | - | 7.88 | 4 | 2.25 | 65 |
| B6014M170TL | 4545 | 1 15/16 | 4 1/2 | A1F | 60 | 10.527 | 10.417 | 11.067 | .75 | 7.38 | - | 8.5 | 4.5 | 2.13 | 85 |
| B6414M170TL | 4545 | 1 15/16 | 4 1/2 | A1F | 64 | 11.229 | 11.119 | 11.775 | .63 | 7.38 | - | 9.53 | 4.5 | 2.25 | 91 |
| B6814M170TL | 4545 | 1 15/16 | 4 1/2 | A1F | 68 | 11.930 | 11.82 | 12.500 | .63 | 7.38 | - | 10 | 4.5 | 2.25 | 110 |
| B7214M170TL | 4545 | 1 15/16 | 4 1/2 | A1F | 72 | 12.632 | 12.522 | 13.187 | .63 | 7.38 | - | 10.69 | 4.5 | 2.25 | 115 |
| B8014M170TL | 4545 | 1 15/16 | 4 1/2 | A1F | 80 | 14.036 | 13.926 | 14.625 | 1.04 | 7.38 | - | 12.13 | 4.5 | 1.84 | 125 |
| B9014M170TL | 4545 | 1 15/16 | 4 1/2 | D1 | 90 | 15.790 | 15.68 | - | .63 | 7.38 | - | 14.05 | 4.5 | 2.25 | 145 |
| B11214M170TL | 4545 | 1 15/16 | 4 1/2 | D1 | 112 | 19.650 | 19.54 | - | - | 7.38 | - | 17.87 | 4.5 | 3.13 | 175 |
| B14414M170TL | 6050 | 4 7/16 | 5 15/16 | D3 | 144 | 25.264 | 25.154 | - | 1.19 | 7.38 | - | 23.31 | 5 | 1.19 | 240 |
| B16814M170TL | 6050 | 4 7/16 | 5 15/16 | D2 | 168 | 29.475 | 29.365 | - | 1.19 | 7.38 | - | 27.59 | 5 | 1.19 | 278 |
| B19214M170TL | 6050 | 4 7/16 | 5 15/16 | D3 | 192 | 33.686 | 33.576 | - | 1.19 | 7.38 | - | 31.76 | 5 | 1.19 | 322 |
| B21614M170TL | 6050 | 4 7/16 | 5 15/16 | D2 | 216 | 37.896 | 37.786 | - | 1.19 | 7.38 | - | 35.93 | 5 | 1.19 | 300 |

NOTE - Numerals in Type Designations mean: 1 = Solid, 2 = Web, 3 = Arm Construction; F = Flanged Sprocket.

TABLE No. 1 STOCK 8mm PITCH BELTS

| PITCH LENGTH | | No. OF TEETH | 20mm WIDE (.79 In.) | | 30mm WIDE (1.18 In.) | | 50mm WIDE (1.97 In.) | | 85mm WIDE (3.35 In.) | |
|--------------|--------|--------------|---------------------|----------|----------------------|----------|----------------------|----------|----------------------|----------|
| mm | INCHES | | PART No. | WT. Lbs. | PART No. | WT. Lbs. | PART No. | WT. Lbs. | PART No. | WT. Lbs. |
| 480 | 18.90 | 60 | B4808M20 | .13 | B4808M30 | .20 | B4808M50 | .34 | B4808M85 | .57 |
| 560 | 22.05 | 70 | B5608M20 | .16 | B5608M30 | .23 | B5608M50 | .39 | B5608M85 | .66 |
| 600 | 23.62 | 75 | B6008M20 | .17 | B6008M30 | .25 | B6008M50 | .42 | B6008M85 | .71 |
| 640 | 25.20 | 80 | B6408M20 | .18 | B6408M30 | .27 | B6408M50 | .45 | B6408M85 | .76 |
| 720 | 28.35 | 90 | B7208M20 | .20 | B7208M30 | .30 | B7208M50 | .50 | B7208M85 | .85 |
| 800 | 31.50 | 100 | B8008M20 | .22 | B8008M30 | .33 | B8008M50 | .56 | B8008M85 | .95 |
| 880 | 34.65 | 110 | B8808M20 | .25 | B8808M30 | .37 | B8808M50 | .61 | B8808M85 | 1.04 |
| 960 | 37.80 | 120 | B9608M20 | .27 | B9608M30 | .40 | B9608M50 | .67 | B9608M85 | 1.14 |
| 1040 | 40.94 | 130 | B10408M20 | .29 | B10408M30 | .43 | B10408M50 | .74 | B10408M85 | 1.23 |
| 1120 | 44.09 | 140 | B11208M20 | .31 | B11208M30 | .47 | B11208M50 | .78 | B11208M85 | 1.33 |
| 1200 | 47.24 | 150 | B12008M20 | .34 | B12008M30 | .50 | B12008M50 | .84 | B12008M85 | 1.42 |
| 1280 | 50.39 | 160 | B12808M20 | .36 | B12808M30 | .53 | B12808M50 | .89 | B12808M85 | 1.52 |
| 1440 | 56.69 | 180 | B14408M20 | .40 | B14408M30 | .60 | B14408M50 | 1.01 | B14408M85 | 1.71 |
| 1600 | 62.99 | 200 | B16008M20 | .45 | B16008M30 | .67 | B16008M50 | 1.11 | B16008M85 | 1.90 |
| 1760 | 69.29 | 220 | B17608M20 | .49 | B17608M30 | .73 | B17608M50 | 1.23 | B17608M85 | 2.08 |
| 1800 | 70.87 | 225 | B18008M20 | .50 | B18008M30 | .75 | B18008M50 | 1.25 | B18008M85 | 2.13 |
| 2000 | 78.74 | 250 | B20008M20 | .56 | B20008M30 | .83 | B20008M50 | 1.39 | B20008M85 | 2.37 |
| 2400 | 94.49 | 300 | B24008M20 | .67 | B24008M30 | 1.00 | B24008M50 | 1.67 | B24008M85 | 2.84 |
| 2600 | 102.36 | 325 | B26008M20 | .73 | B26008M30 | 1.09 | B26008M50 | 1.81 | B26008M85 | 3.08 |
| 2800 | 110.24 | 350 | B28008M20 | .78 | B28008M30 | 1.17 | B28008M50 | 1.95 | B28008M85 | 3.32 |
| 3048 | 120.00 | 391 | B30488M20 | .86 | B30488M30 | 1.28 | B30488M50 | 2.12 | B30488M85 | 3.60 |
| 3280 | 129.13 | 410 | B32808M20 | .90 | B32808M30 | 1.34 | B32808M50 | 2.22 | B32808M85 | 3.80 |
| 3600 | 141.73 | 450 | B36008M20 | 1.00 | B36008M30 | 1.50 | B36008M50 | 2.50 | B36008M85 | 4.26 |
| 4400 | 173.23 | 550 | B44008M20 | 1.20 | B44008M30 | 1.80 | B44008M50 | 3.00 | B44008M85 | 5.02 |

D

TABLE No. 2

STOCK 14mm PITCH BELTS

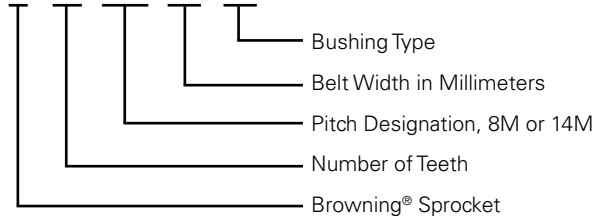
| PITCH LENGTH | | No. OF TEETH | 40mm WIDE (1.57 In.) | | 55mm WIDE (2.16 In.) | | 85mm WIDE (3.34 In.) | | 115mm WIDE (4.52 In.) | | 170mm WIDE (6.69 In) | |
|--------------|--------|--------------|----------------------|----------|----------------------|----------|----------------------|----------|-----------------------|----------|----------------------|----------|
| mm | INCHES | | PART No. | WT. Lbs. | PART No. | WT. Lbs. | PART No. | WT. Lbs. | PART No. | WT. Lbs. | PART No. | WT. Lbs. |
| 966 | 38.03 | 69 | B96614M40 | .84 | B96614M55 | 1.15 | B96614M85 | 1.78 | B96614M115 | 2.41 | B96614M170 | 3.56 |
| 1190 | 46.85 | 85 | B119014M40 | 1.03 | B119014M55 | 1.42 | B119014M85 | 2.20 | B119014M115 | 2.98 | B119014M170 | 4.39 |
| 1400 | 55.12 | 100 | B140014M40 | 1.21 | B140014M55 | 1.67 | B140014M85 | 2.58 | B140014M115 | 3.50 | B140014M170 | 5.16 |
| 1610 | 63.39 | 115 | B161014M40 | 1.40 | B161014M55 | 1.92 | B161014M85 | 2.97 | B161014M115 | 4.02 | B161014M170 | 5.95 |
| 1778 | 70.00 | 127 | B177814M40 | 1.54 | B177814M55 | 2.13 | B177814M85 | 3.28 | B177814M115 | 4.45 | B177814M170 | 6.56 |
| 1890 | 74.41 | 135 | B189014M40 | 1.64 | B189014M55 | 2.26 | B189014M85 | 3.49 | B189014M115 | 4.73 | B189014M170 | 6.97 |
| 2100 | 82.68 | 150 | B210014M40 | 1.82 | B210014M55 | 2.51 | B210014M85 | 3.88 | B210014M115 | 5.25 | B210014M170 | 7.75 |
| 2310 | 90.94 | 165 | B231014M40 | 2.00 | B231014M55 | 2.76 | B231014M85 | 4.26 | B231014M115 | 5.77 | B231014M170 | 8.53 |
| 2450 | 94.46 | 175 | B245014M40 | 2.13 | B245014M55 | 2.93 | B245014M85 | 4.52 | B245014M115 | 6.13 | B245014M170 | 9.04 |
| 2590 | 101.97 | 185 | B259014M40 | 2.25 | B259014M55 | 3.10 | B259014M85 | 4.78 | B259014M115 | 6.47 | B259014M170 | 9.55 |
| 2800 | 110.24 | 200 | B280014M40 | 2.43 | B280014M55 | 3.34 | B280014M85 | 5.17 | B280014M115 | 7.00 | B280014M170 | 10.33 |
| 3150 | 124.02 | 225 | B315014M40 | 2.73 | B315014M55 | 3.77 | B315014M85 | 5.82 | B315014M115 | 7.87 | B315014M170 | 11.62 |
| 3360 | 132.28 | 240 | B336014M40 | 2.58 | B336014M55 | 3.98 | B336014M85 | 6.14 | B336014M115 | 8.31 | B336014M170 | 12.26 |
| 3500 | 137.80 | 250 | B350014M40 | 3.03 | B350014M55 | 4.19 | B350014M85 | 6.46 | B350014M115 | 8.75 | B350014M170 | 12.90 |
| 3850 | 151.58 | 275 | B385014M40 | 3.33 | B385014M55 | 4.60 | B385014M85 | 7.10 | B385014M115 | 9.62 | B385014M170 | 14.20 |
| 4326 | 170.32 | 309 | B432614M40 | 3.74 | B432614M55 | 5.17 | B432614M85 | 8.00 | B432614M115 | 10.80 | B432614M170 | 15.96 |
| 4578 | 180.24 | 327 | B457814M40 | 3.96 | B457814M55 | 5.48 | B457814M85 | 8.45 | B457814M115 | 11.42 | B457814M170 | 16.90 |
| 4956 | 195.12 | 354 | B495614M40 | 4.29 | B495614M55 | 5.92 | B495614M85 | 9.17 | B495614M115 | 12.37 | B495614M170 | 18.26 |
| 5320 | 209.45 | 380 | B532014M40 | 4.60 | B532014M55 | 6.36 | B532014M85 | 9.84 | B532014M115 | 13.28 | B532014M170 | 19.60 |
| 5740 | 225.98 | 410 | B574014M40 | 4.96 | B574014M55 | 6.86 | B574014M85 | 10.62 | B574014M115 | 14.33 | B574014M170 | 21.15 |
| 6160 | 242.52 | 440 | B616014M40 | 5.33 | B616014M55 | 7.36 | B616014M85 | 11.39 | B616014M115 | 15.38 | B616014M170 | 22.69 |
| 6860 | 270.08 | 490 | B686014M40 | 5.93 | B686014M55 | 8.20 | B686014M85 | 12.69 | B686014M115 | 17.12 | B686014M170 | 25.27 |



PART NUMBER DESCRIPTION

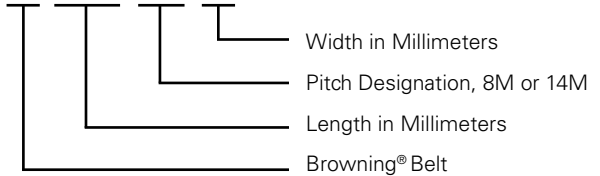
SPROCKET

B 44 8M 50 TL



BELT

B 2800 8M 50



Browning® HPT® Drives will help provide excellent results but will not correct unsatisfactory drive conditions or faulty installation. Proper sprocket alignment is very important. One sprocket should be flanged in all drives and both sprockets should be flanged when drive is operating on vertical shafts. Belts should be installed with a snug fit but high initial tension is not necessary. Belt tension requires little attention after proper installation.

Suggestions for sprocket installation, belt installation and tensioning follow.

SPROCKET INSTALLATION

1. Inspect the bore of the sprocket, the tapered barrel and bore of the bushing and the shaft. Any paint, burrs, rough places and dirt must be removed.
2. Assemble bushing into sprocket. Loosely insert the cap screws into the assembly.
3. With key in keyseat of the shaft, slide sprocket to its desired position with cap screw heads to the outside. (A few small sprockets may have to be installed with cap screw heads to the inside). If it is hard to slide bushing onto the shaft, wedge a screwdriver blade into the saw cut to overcome the tightness.
4. Line up the assembly per alignment instructions that follow and tighten cap screws evenly and progressively to the recommended torque on the instruction sheet that comes with each bushing. There should be a 1/8" to 1/4" gap between the sprocket hub and the bushing flange. If gap is closed, the shaft is seriously undersize.

SPROCKET ALIGNMENT

HPT® Sprocket Alignment and parallelism of the shafts is very important. Place a straightedge against the outside edges of the sprockets and move sprockets until the straightedge touches the two outside and two inside edges of the sprockets. The straightedge should cross the sprockets as near the shafts as possible.

After aligning the sprockets, check the rigidity of the supporting framework. Shafts should be well supported to prevent distortion and a resulting change in center distance under load. Do not use spring loaded or weighted idlers. Idler sprockets must be locked into position after adjusting belt tension.

NOTE - At least one sprocket must be flanged.

BELT INSTALLATION

Condition A - one flanged sprocket and one unflanged sprocket. When sprockets have been mounted and properly aligned, put belt over flanged sprocket first, then slip it onto the unflanged sprocket. Tension belt by adjusting center distance. This can be accomplished by using an idler if center distance is fixed.

Condition B - both sprockets flanged. Put belt over larger sprocket first, then over smaller sprocket. Tension belt.

Condition C - minimum center distance adjustment.

1. Mount one sprocket on shaft loosely and put belt on sprocket.
2. Put other sprocket into belt loop and slip the sprocket onto the other shaft.
3. Move whole drive into proper position and alignment and secure sprockets to shafts.
4. Tension belts.

GUIDE TO CENTER DISTANCE ALLOWANCE

TABLE NO. 1

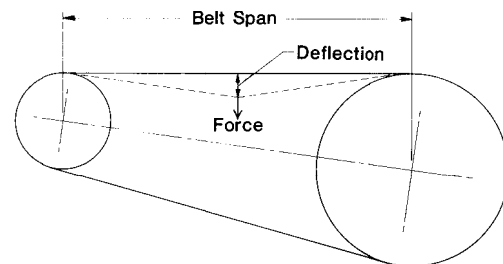
| Belt Pitch Length Range (Inches) | Allowance for Installation Condition | | | | | Allowance for Take-Up |
|----------------------------------|--------------------------------------|------------|-----------|------------|----------------|-----------------------|
| | A | | B | | C | |
| | 8 M Belts | 14 M Belts | 8 M Belts | 14 M Belts | 8M & 14M Belts | |
| Up to 60" | .8" | 1.1" | 1.2" | 2.3" | .1" | .1" |
| 61 to 110" | .8 | 1.1 | 1.2 | 2.3 | .2 | .2 |
| Over 110" | .8 | 1.1 | 1.2 | 2.3 | .3 | .3 |

Less allowance for installation and take-up may be possible, contact the Regal Engineers.

Do not pry or otherwise force belts onto sprockets as this can result in permanent damage to the belt.

BELT TENSION

HPT Drives do not require as much tension as other belt drives that depend on friction to transmit the load. HPT Belts should be installed with a snug fit, neither too taut nor too loose. After the belt has been so tensioned, a force to deflect the belt by a certain amount to assure proper tension can be measured. Stop the drive and measure the belt span (see sketch). Using a spring scale, apply a perpendicular force to the center of the belt width and the center of the belt span. Measure the force required to deflect the belt 1/64" for each inch of belt span. For example, the deflection for a 32" belt span is 32 x 1/64 = 1/2" deflection. The force required to deflect the belt this amount at the proper tension is listed in the table below.



DEFLECTION FORCE FOR HPT® BELTS

TABLE NO. 2

| PITCH | WIDTH | FORCE |
|-------|-------|---------|
| 8mm | 20mm | 4 Lbs. |
| | 30mm | 6 Lbs. |
| | 50mm | 11 Lbs. |
| | 85mm | 19 Lbs. |
| 14mm | 40mm | 11 Lbs. |
| | 55mm | 16 Lbs. |
| | 85mm | 26 Lbs. |
| | 115mm | 37 Lbs. |
| | 170mm | 58 Lbs. |

NOTE - For belts wider than 2", it is suggested that a strip of key-stock, or something similar, be placed across the belt under the point of force to prevent distortion.

For drives with shock loading or other unusual conditions, the force may have to be increased for proper operation of the drive.

OVERLOAD SERVICE FACTORS

BASIC SERVICE FACTORS

To find a basic service factor: First, determine the class of the driver (prime mover) in Table 1. Then, determine the basic service factor for the application in Table 3 - in the same class as the driver.

NORMAL RATING

To find the Normal Rating for a drive multiply the driver horsepower by the Basic Service Factor.

TABLE NO. 1

Driver (prime mover)

| CLASS OF DRIVER | CLASS I | CLASS II | CLASS III |
|---|--|---|--|
| Momentary Peak Load, % of Rated Load | 149% | 150 to 249% | 250 to 400% |
| A-C ELECTRONIC MOTORS Single Phase | | | All |
| Squirrel Cage NEMA Design A | | | |
| 3600 rpm 1800 rpm 1200 rpm 900 rpm | 40 hp up 100 hp up 15 hp up 5 hp up | 1 1/2 thru 30 hp 5 thru 75 hp 3/4 thru 10 hp 1/2 thru 3 hp | 1 thru 3 hp |
| NEMA Design B | | | |
| 3600 rpm 1800 rpm 1200 rpm 900 rpm | | 5 hp up 5 hp up 5 hp up 2 hp up | 1 1/2 thru 3 hp 1 thru 3 hp 3/4 thru 3 hp 1/2 thru 1 1/2 hp |
| NEMA Design C | | | |
| 1800 rpm 1200rpm 900 rpm | | 15 hp up 7 1/2 hp up All | 5 thru 10 hp 3 and 5 hp |
| NEMA Design D | | | All |
| NEMA Design F | All | | |
| Wound Rotor | | | |
| 1800 rpm 1200 rpm 900 rpm | | 20 hp 15 hp 7 1/2 hp | 2 to 15 hp 2 to 10 hp 1 to 5 hp |
| Synchronous | | Normal Torque | High Torque |
| D-C ELECTRIC MOTORS | Shunt | Compound | Series |
| ENGINES-Internal Combustion | 8 Cyl. Up | 6 Cyl. | 4Cyl., or less |
| HYDRAULIC MOTORS, LINE SHAFTS | | | All |

TABLE NO. 2

Additional service factors For speed-up drives

For speed-up drives, add to the basic service factor the additional factor given at right:

| Speed-up Ratio Range | Add'l Factor |
|----------------------|--------------|
| 1 to 1.24 | None |
| 1.25 to 1.74 | .10 |
| 1.75 to 2.49 | .20 |
| 2.50 to 3.49 | .30 |
| 3.50 & Over | .40 |

For unusual conditions

For 24-hour continuous operation and/or use of an idler, add 0.2 to basic service factor. For intermittent or seasonal operation, deduct 0.2 from the basic service factor.

Additional service factors are required for unusual conditions such as load reversal, heavy shock, plugged motor stop, electric brake. These should be determined by a transmission specialist.

TABLE NO. 3

Basic Service Factors Of Driven Machines

| DRIVEN MACHINES | DRIVERS | | |
|---|--------------------------|--------------------------|--------------------------|
| | CLASS I | CLASS II | CLASS III |
| Agitators, Mixers liquid (paddle or propeller) | 1.2 1.3 | 1.4 1.5 | 1.6 1.7 |
| Bakery Machinery, dough mixer | 1.2 | 1.4 | 1.6 |
| Brick And Clay Machinery augers, mixers, granulators pug mills | 1.4 1.6 | 1.6 1.8 | 1.8 2.0 |
| Centrifuges | 1.5 | 1.7 | - |
| Compressors reciprocating centrifugal | 1.6 1.4 | 1.8 1.5 | 2.0 1.6 |
| Conveyors belt light package; oven belt: ore, coal sand apron, bucket, elevator, pan flight, screw | 1.1 1.2 1.4 1.4 | 1.2 1.4 1.6 1.6 | 1.3 1.6 1.8 1.8 |
| Fans, Blowers centrifugal, induced draft exhausters propeller, mine fans, positive blowers | 1.4 1.6 | 1.6 1.8 | 1.8 2.0 |
| Generators and Exciters | 1.4 | 1.6 | 1.8 |
| Hammer Mills | 1.5 | 1.7 | 1.9 |
| Hoists, Elevators | 1.4 | 1.6 | 1.8 |
| Laundry Machinery general extractors, washers | 1.2 1.4 | 1.4 1.6 | 1.6 1.8 |
| Line Shafts | 1.2 | 1.4 | 1.6 |
| Machine Tools drill presses, lathes, screw machines boring mills, grinders milling machines, shapers | 1.2 1.3 1.3 | 1.4 1.5 1.5 | 1.6 1.7 1.7 |
| Mills ball, rod, pebble, etc. | - | 1.9 | 2.1 |
| Paper Machinery agitators, calendars, dryers beaters, jordans, Nash pumps, pulpers | 1.2 1.4 | 1.4 1.6 | 1.6 1.8 |
| Printing machinery presses: newspaper, rotary, embossing, flat bed, magazine; linotype machines; cutters; folders | 1.2 | 1.4 | 1.6 |
| Pumps centrifugal, gear, rotary, pipeline reciprocating | 1.2 1.7 | 1.4 1.9 | 1.6 2.1 |
| Rubber Plant Machinery | 1.4 | 1.6 | 1.8 |
| Saw Mill Machinery | 1.4 | 1.6 | 1.8 |
| Screens vibrating (shakers) drum, conical | 1.3 1.2 | 1.5 1.4 | - - |
| Textile Machinery looms, spinning frames, twisters warpers, reels | 1.3 1.2 | 1.5 1.4 | 1.7 - |
| Woodworking Machinery lathes, band saws jointers, circular saws, planers | 1.2 1.2 | 1.3 1.4 | - - |
| Worm Gear Speed Reducers input side | 1.1 | 1.2 | - |



HPT® DRIVE SELECTION EXAMPLE

A dough mixer is to be driven at 435 RPM by a 1750 RPM, 15 HP NEMA Design B electric motor. The desired center distance is approximately 20 inches. The drive will operate 12 to 16 hours per day. The motor shaft is 1 5/8" diameter and the mixer shaft is 2" diameter.

1. Determine the Design Horsepower

From page D-75, note that a NEMA design B motor is rated as a Class II driver and that a dough mixer driven by a Class II driver requires a 1.4 service factor. Note also that .2 should be added to the service factor for 12 to 16 hours service, so a 1.6 service factor is needed.

$$15 (\text{Motor HP}) \times 1.6 (\text{S.F.}) = 24 \text{ Design Horsepower}$$

2. Determine the Belt Pitch

From the Belt Pitch Selection Table, this page, for 24 HP and 1750 RPM, the belt pitch is 8M.

3. Determine the Sprocket-Belt Combination

Locate the driven speed nearest to 435 RPM in the 8M table

under 1750 RPM motor speed. The nearest speed is 437 RPM found on pg. D-85. The sprocket combination is 36 and 144. This combination with a 50mm wide belt gives a 23.57 basic HP rating. Read to the right from the 36-144 combination to the center distance nearest 20 which is 20.56 on pg. D-86. Read upward and find the 1800 Belt which has a 1.2 belt length factor with this sprocket combination. $1.2 \times 23.57 = 28.28$ Corrected HP.

Since the corrected HP is greater than the Design HP rating determined in Step 1, the sprocket combination is satisfactory for this drive.

4. List Drive Components

Select belt from Page D-73. Select sprockets from Page D-70.

Drive Components are: 1, B368M50SH
 1, SH x 1 5/8
 1, B1448M50E
 1, E x 2
 1, B18008M50

TABLE NO. 1

BELT PITCH SELECTION

| RPM OF SMALLEST SHEAVE | DESIGN HORSEPOWER | | | | | | | | | | | | | |
|------------------------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|-------|-------|------------|
| | 2 | .5 | .8 | 2.0 | 5.0 | 10.0 | 20.0 | 30.0 | 40.0 | 60.0 | 80.0 | 100.0 | 200.0 | OVER 200.0 |
| 10 | 8M | 8M 14M | 14M | 14M | 14M | | | | | | | | | |
| 20 | 8M | 8M | 8M 14M | 14M | 14M | 14M | | | | | | | | |
| 30 | 8M | 8M | 8M 14M | 8M 14M | 14M | 14M | 14M | | | | | | | |
| 40 | 8M | 8M | 8M 14M | 8M 14M | 14M | 14M | 14M | | | | | | | |
| 50 | 8M | 8M | 8M 14M | 8M 14M | 8M 14M | 14M | 14M | 14M | | | | | | |
| 100 | 8M | 8M | 8M | 8M 14M | 8M 14M | 14M | 14M | 14M | 14M | 14M | | | | |
| 200 | 8M | 8M | 8M | 8M | 8M 14M | 8M 14M | 8M 14M | 14M | 14M | 14M | 14M | 14M | 14M | |
| 300 | 8M | 8M | 8M | 8M | 8M 14M | 8M 14M | 8M 14M | 8M 14M | 14M | 14M | 14M | 14M | 14M | |
| 400 | 8M | 8M | 8M | 8M | 8M 14M | 8M 14M | 8M 14M | 8M 14M | 14M | 14M | 14M | 14M | 14M | |
| 500 | 8M | 8M | 8M | 8M | 8M | 8M 14M | 8M 14M | 8M 14M | 14M | 14M | 14M | 14M | 14M | 14M |
| 870 | 8M | 8M | 8M | 8M | 8M | 8M 14M | 8M 14M | 8M 14M | 14M | 14M | 14M | 14M | 14M | 14M |
| 1000 | 8M | 8M | 8M | 8M | 8M | 8M 14M | 8M 14M | 8M 14M | 8M 14M | 14M | 14M | 14M | 14M | 14M |
| 1170 | 8M | 8M | 8M | 8M | 8M | 8M | 8M 14M | 8M 14M | 8M 14M | 8M 14M | 14M | 14M | 14M | 14M |
| 1750 | 8M | 8M | 8M | 8M | 8M | 8M | 8M 14M | 8M 14M | 8M 14M | 8M 14M | 14M | 14M | 14M | 14M |
| 2000 | 8M | 8M | 8M | 8M | 8M | 8M | 8M 14M | 8M 14M | 8M 14M | 8M 14M | 14M | 14M | 14M | 14M |
| 3500 | 8M | 8M | 8M | 8M | 8M | 8M | 8M 14M | 8M 14M | 8M 14M | 8M 14M | 14M | 14M | 14M | 14M |
| 5000 | 8M | 8M | 8M | 8M | 8M | 8M | 8M | 8M | 8M | 8M | 8M | | | |

TABLE No.1

HORSEPOWER RATINGS FOR 8M BELTS

| RPM OF SMALLER SPROCKET | NUMBER OF TEETH IN SMALLER SPROCKET | | | | | | | | | | | | | | | |
|--------------------------|-------------------------------------|---------------|---------------|---------------|----------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 44 | 48 | 56 | 64 | 72 | 80 |
| 20mm (.79") WIDE | | | | | | | | | | | | | | | | |
| 10 | 0.02 | 0.02 | 0.03 | 0.04 | 0.04 | 0.05 | 0.06 | 0.06 | 0.07 | 0.08 | 0.08 | 0.09 | 0.11 | 0.12 | 0.14 | 0.15 |
| 20 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.10 | 0.11 | 0.12 | 0.14 | 0.15 | 0.17 | 0.18 | 0.21 | 0.24 | 0.27 | 0.30 |
| 40 | 0.09 | 0.10 | 0.12 | 0.14 | 0.17 | 0.19 | 0.22 | 0.25 | 0.28 | 0.30 | 0.33 | 0.36 | 0.42 | 0.48 | 0.54 | 0.61 |
| 80 | 0.17 | 0.20 | 0.24 | 0.28 | 0.33 | 0.38 | 0.44 | 0.50 | 0.56 | 0.61 | 0.67 | 0.73 | 0.85 | 0.97 | 1.09 | 1.21 |
| 100 | 0.22 | 0.25 | 0.30 | 0.36 | 0.42 | 0.48 | 0.55 | 0.62 | 0.70 | 0.76 | 0.83 | 0.91 | 1.06 | 1.21 | 1.36 | 1.51 |
| 200 | 0.44 | 0.49 | 0.60 | 0.71 | 0.83 | 0.96 | 1.10 | 1.25 | 1.40 | 1.51 | 1.66 | 1.79 | 2.06 | 2.33 | 2.59 | 2.84 |
| 300 | 0.66 | 0.72 | 0.86 | 1.03 | 1.20 | 1.39 | 1.59 | 1.80 | 2.03 | 2.19 | 2.39 | 2.59 | 2.97 | 3.35 | 3.72 | 4.09 |
| 400 | 0.87 | 0.95 | 1.12 | 1.33 | 1.56 | 1.80 | 2.06 | 2.34 | 2.63 | 2.84 | 3.10 | 3.35 | 3.84 | 4.33 | 4.81 | 5.28 |
| 500 | 1.09 | 1.19 | 1.37 | 1.63 | 1.91 | 2.20 | 2.52 | 2.85 | 3.21 | 3.47 | 3.78 | 4.09 | 4.69 | 5.28 | 5.86 | 6.43 |
| 600 | 1.31 | 1.43 | 1.62 | 1.92 | 2.24 | 2.59 | 2.96 | 3.36 | 3.78 | 4.09 | 4.45 | 4.81 | 5.51 | 6.20 | 6.88 | 7.55 |
| 700 | 1.53 • | 1.67 | 1.86 | 2.20 | 2.58 | 2.98 | 3.40 | 3.86 | 4.33 | 4.69 | 5.10 | 5.51 | 6.32 | 7.11 | 7.88 | 8.63 |
| 800 | 1.75 • | 1.90 | 2.09 | 2.48 | 2.90 | 3.35 | 3.83 | 4.34 | 4.88 | 5.28 | 5.75 | 6.20 | 7.11 | 7.99 | 8.85 | 9.69 |
| 870 | 1.90 • | 2.07 • | 2.25 | 2.67 | 3.13 | 3.61 | 4.13 | 4.68 | 5.26 | 5.69 | 6.19 | 6.68 | 7.65 | 8.59 | 9.51 | 10.41 |
| 1000 | 2.18 • | 2.38 • | 2.58 • | 3.03 | 3.54 | 4.09 | 4.67 | 5.29 | 5.95 | 6.43 | 6.99 | 7.55 | 8.63 | 9.69 | 10.72 | 11.72 |
| 1160 | 2.53 • | 2.76 • | 2.98 • | 3.45 | 4.04 | 4.66 | 5.32 | 6.03 | 6.78 | 7.33 | 7.96 | 8.59 | 9.81 | 11.00 | 12.15 | 13.27 |
| 1200 | 2.61 • | 2.85 • | 3.09 • | 3.56 | 4.16 | 4.80 | 5.49 | 6.21 | 6.98 | 7.55 | 8.20 | 8.85 | 10.10 | 11.32 | 12.50 | 13.64 |
| 1400 | 3.05 • | 3.32 • | 3.60 • | 4.07 | 4.76 | 5.50 | 6.28 | 7.11 | 7.99 | 8.63 | 9.38 | 10.10 | 11.52 | 12.89 | 14.20 | 15.46 |
| 1600 | 3.48 • | 3.79 • | 4.10 • | 4.58 • | 5.35 • | 6.17 | 7.05 | 7.98 | 8.97 | 9.69 | 10.51 | 11.32 | 12.89 | 14.38 | 15.81 | 17.17 |
| 1750 | 3.80 • | 4.14 • | 4.48 • | 4.95 • | 5.78 • | 6.67 | 7.62 | 8.62 | 9.68 | 10.46 | 11.35 | 12.21 | 13.88 | 15.46 | 16.96 | 18.37 |
| 2000 | 4.34 • | 4.72 • | 5.11 • | 5.60 • | 6.49 • | 7.48 | 8.54 | 9.67 | 10.85 | 11.72 | 12.69 | 13.64 | 15.46 | 17.17 | 18.76 | 20.23 |
| 2400 | 5.18 • | 5.64 • | 6.10 • | 6.69 • | 7.57 • | 8.73 • | 9.96 | 11.27 | 12.64 | 13.64 | 14.75 | 15.81 | 17.82 | 19.65 | 21.31 | 22.78 |
| 2800 | 6.02 • | 6.55 • | 7.08 • | 7.75 • | 8.60 • | 9.92 • | 11.31 | 12.78 | 14.34 | 15.46 | 16.67 | 17.82 | 19.94 | 21.82 | 23.44 | 24.77 |
| 3200 | - | - | 8.03 • | 8.79 • | 9.59 • | 11.04 • | 12.59 • | 14.22 | 15.93 | 17.17 | 18.45 | 19.65 | 21.82 | 23.65 | 25.09 | - |
| 3500 | - | - | - | - | 10.35 • | 11.85 • | 13.50 • | 15.24 | 17.07 | 18.37 | 19.69 | 20.92 | 23.06 | 24.77 | - | - |
| 4000 | - | - | - | - | - | 13.11 • | 14.92 • | 16.82 • | 18.83 • | 20.23 | 21.57 | 22.78 | 24.77 | - | - | - |
| 4500 | - | - | - | - | - | - | 16.21 • | 18.26 • | 20.41 • | 21.89 • | 23.20 • | 24.33 • | - | - | - | - |
| 5000 | - | - | - | - | - | - | - | 19.54 • | 21.81 • | 23.33 • | 24.55 • | 25.52 • | - | - | - | - |
| 5500 | - | - | - | - | - | - | - | - | 23.01 • | 24.55 • | 25.61 • | - | - | - | - | - |
| 30mm (1.18") WIDE | | | | | | | | | | | | | | | | |
| 10 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 | 0.10 | 0.11 | 0.12 | 0.13 | 0.14 | 0.17 | 0.19 | 0.21 | 0.24 |
| 20 | 0.07 | 0.08 | 0.09 | 0.11 | 0.13 | 0.15 | 0.17 | 0.20 | 0.22 | 0.24 | 0.26 | 0.29 | 0.33 | 0.38 | 0.43 | 0.48 |
| 40 | 0.14 | 0.16 | 0.19 | 0.22 | 0.26 | 0.30 | 0.35 | 0.39 | 0.44 | 0.48 | 0.52 | 0.57 | 0.67 | 0.76 | 0.86 | 0.95 |
| 80 | 0.28 | 0.31 | 0.38 | 0.45 | 0.52 | 0.61 | 0.69 | 0.79 | 0.89 | 0.95 | 1.05 | 1.15 | 1.34 | 1.53 | 1.72 | 1.91 |
| 100 | 0.34 | 0.39 | 0.47 | 0.56 | 0.66 | 0.76 | 0.87 | 0.98 | 1.11 | 1.19 | 1.31 | 1.43 | 1.67 | 1.91 | 2.15 | 2.39 |
| 200 | 0.69 | 0.78 | 0.94 | 1.12 | 1.31 | 1.52 | 1.74 | 1.97 | 2.21 | 2.39 | 2.61 | 2.83 | 3.25 | 3.67 | 4.08 | 4.48 |
| 300 | 1.03 | 1.13 | 1.36 | 1.62 | 1.90 | 2.19 | 2.51 | 2.84 | 3.20 | 3.46 | 3.77 | 4.08 | 4.68 | 5.28 | 5.87 | 6.45 |
| 400 | 1.38 | 1.50 | 1.77 | 2.10 | 2.46 | 2.84 | 3.25 | 3.68 | 4.14 | 4.48 | 4.88 | 5.28 | 6.06 | 6.83 | 7.58 | 8.33 |
| 500 | 1.72 | 1.88 | 2.16 | 2.57 | 3.00 | 3.47 | 3.97 | 4.50 | 5.06 | 5.48 | 5.96 | 6.45 | 7.40 | 8.33 | 9.24 | 10.14 |
| 600 | 2.07 | 2.25 | 2.55 | 3.03 | 3.54 | 4.09 | 4.68 | 5.30 | 5.96 | 6.45 | 7.02 | 7.58 | 8.70 | 9.79 | 10.86 | 11.91 |
| 700 | 2.41 • | 2.63 | 2.93 | 3.47 | 4.06 | 4.69 | 5.37 | 6.08 | 6.84 | 7.40 | 8.05 | 8.70 | 9.97 | 11.21 | 12.43 | 13.62 |
| 800 | 2.75 • | 3.00 | 3.30 | 3.91 | 4.58 | 5.29 | 6.04 | 6.85 | 7.70 | 8.33 | 9.06 | 9.79 | 11.21 | 12.60 | 13.96 | 15.29 |
| 870 | 2.99 • | 3.26 • | 3.55 | 4.22 | 4.93 | 5.70 | 6.51 | 7.38 | 8.29 | 8.97 | 9.76 | 10.54 | 12.06 | 13.55 | 15.01 | 16.43 |
| 1000 | 3.44 • | 3.75 • | 4.06 • | 4.77 | 5.58 | 6.45 | 7.37 | 8.35 | 9.38 | 10.14 | 11.03 | 11.91 | 13.62 | 15.29 | 16.91 | 18.50 |
| 1160 | 3.99 • | 4.35 • | 4.71 • | 5.44 | 6.36 | 7.35 | 8.40 | 9.51 | 10.69 | 11.56 | 12.56 | 13.55 | 15.49 | 17.36 | 19.18 | 20.95 |
| 1200 | 4.12 • | 4.50 • | 4.87 • | 5.61 | 6.56 | 7.57 | 8.65 | 9.80 | 11.01 | 11.91 | 12.94 | 13.96 | 15.94 | 17.87 | 19.74 | 21.54 |
| 1400 | 4.81 • | 5.24 • | 5.67 • | 6.43 | 7.51 | 8.67 | 9.91 | 11.21 | 12.60 | 13.62 | 14.79 | 15.94 | 18.18 | 20.34 | 22.42 | 24.42 |
| 1600 | 5.49 • | 5.98 • | 6.47 • | 7.22 • | 8.44 • | 9.74 | 11.13 | 12.59 | 14.15 | 15.29 | 16.59 | 17.87 | 20.34 | 22.71 | 24.98 | 27.13 |
| 1750 | 6.00 • | 6.53 • | 7.07 • | 7.81 • | 9.12 • | 10.53 | 12.02 | 13.61 | 15.28 | 16.51 | 17.91 | 19.27 | 21.91 | 24.42 | 26.81 | 29.05 |
| 2000 | 6.84 • | 7.45 • | 8.06 • | 8.84 • | 10.23 • | 11.81 | 13.48 | 15.25 | 17.13 | 18.50 | 20.04 | 21.54 | 24.42 | 27.13 | 29.67 | 32.03 |
| 2400 | 8.18 • | 8.91 • | 9.63 • | 10.56 • | 11.95 • | 13.78 • | 15.73 | 17.79 | 19.96 | 21.54 | 23.29 | 24.98 | 28.17 | 31.11 | 33.77 | 36.15 |
| 2800 | 9.51 • | 10.34 • | 11.17 • | 12.24 • | 13.59 • | 15.66 • | 17.86 | 20.19 | 22.65 | 24.42 | 26.34 | 28.17 | 31.57 | 34.60 | 37.22 | 39.40 |
| 3200 | - | - | 12.68 • | 13.88 • | 15.15 • | 17.45 • | 19.89 • | 22.47 | 25.18 | 27.13 | 29.18 | 31.11 | 34.60 | 37.56 | 39.94 | - |
| 3500 | - | - | - | - | 16.37 • | 18.73 • | 21.34 • | 24.09 | 26.99 | 29.05 | 31.17 | 33.13 | 36.60 | 39.40 | - | - |
| 4000 | - | - | - | - | - | 20.73 • | 23.60 • | 26.62 • | 29.80 • | 32.03 | 34.19 | 36.15 | 39.40 | - | - | - |
| 4500 | - | - | - | - | - | - | 25.67 • | 28.93 • | 32.34 • | 34.70 • | 36.82 • | 38.67 • | - | - | - | - |
| 5000 | - | - | - | - | - | - | - | 31.00 • | 34.61 • | 37.04 • | 39.05 • | 40.68 • | - | - | - | - |
| 5500 | - | - | - | - | - | - | - | - | 36.57 • | 39.05 • | 40.82 • | - | - | - | - | - |

• Use this Sprocket at this Speed only if a reduction in belt life is acceptable.

D

TABLE No. 1

HORSEPOWER RATINGS FOR 8M BELTS

| RPM OF SMALLER SPROCKET | NUMBER OF TEETH IN SMALLER SPROCKET | | | | | | | | | | | | |
|--------------------------|-------------------------------------|----------------|----------------|----------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|--------------|--------------|
| | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 44 | 48 | 56 | 64 | 72 | 80 |
| 50mm (1.47") WIDE | | | | | | | | | | | | | |
| 10 | 0.10 | 0.11 | 0.13 | 0.15 | 0.17 | 0.19 | 0.21 | 0.23 | 0.25 | 0.29 | 0.33 | 0.37 | 0.41 |
| 20 | 0.19 | 0.23 | 0.26 | 0.30 | 0.34 | 0.38 | 0.41 | 0.45 | 0.50 | 0.58 | 0.66 | 0.74 | 0.83 |
| 40 | 0.39 | 0.45 | 0.53 | 0.60 | 0.68 | 0.77 | 0.83 | 0.91 | 0.99 | 1.16 | 1.32 | 1.49 | 1.65 |
| 80 | 0.78 | 0.91 | 1.05 | 1.20 | 1.36 | 1.53 | 1.65 | 1.82 | 1.98 | 2.31 | 2.64 | 2.97 | 3.31 |
| 100 | 0.97 | 1.14 | 1.31 | 1.50 | 1.70 | 1.92 | 2.07 | 2.27 | 2.48 | 2.89 | 3.31 | 3.72 | 4.13 |
| 200 | 1.94 | 2.27 | 2.63 | 3.01 | 3.41 | 3.83 | 4.13 | 4.53 | 4.90 | 5.63 | 6.35 | 7.06 | 7.76 |
| 300 | 2.81 | 3.28 | 3.79 | 4.34 | 4.92 | 5.54 | 5.99 | 6.53 | 7.06 | 8.11 | 9.14 | 10.16 | 11.16 |
| 400 | 3.64 | 4.26 | 4.92 | 5.63 | 6.38 | 7.17 | 7.76 | 8.46 | 9.14 | 10.50 | 11.83 | 13.13 | 14.42 |
| 500 | 4.45 | 5.20 | 6.01 | 6.88 | 7.79 | 8.76 | 9.49 | 10.33 | 11.16 | 12.81 | 14.42 | 16.01 | 17.57 |
| 600 | 5.24 | 6.13 | 7.08 | 8.10 | 9.18 | 10.32 | 11.16 | 12.16 | 13.13 | 15.06 | 16.95 | 18.80 | 20.63 |
| 700 | 6.02 | 7.04 | 8.13 | 9.29 | 10.53 | 11.84 | 12.81 | 13.94 | 15.06 | 17.26 | 19.41 | 21.52 | 23.60 |
| 800 | 6.78 | 7.93 | 9.16 | 10.47 | 11.86 | 13.33 | 14.42 | 15.69 | 16.95 | 19.41 | 21.82 | 24.18 | 26.49 |
| 870 | 7.31 | 8.54 | 9.87 | 11.28 | 12.78 | 14.36 | 15.54 | 16.90 | 18.25 | 20.90 | 23.48 | 26.00 | 28.47 |
| 1000 | 8.27 | 9.67 | 11.17 | 12.76 | 14.45 | 16.24 | 17.57 | 19.11 | 20.63 | 23.60 | 26.49 | 29.31 | 32.05 |
| 1160 | 9.43 | 11.02 | 12.73 | 14.55 | 16.48 | 18.51 | 20.02 | 21.76 | 23.48 | 26.83 | 30.08 | 33.24 | 36.31 |
| 1200 | 9.72 | 11.36 | 13.12 | 14.99 | 16.97 | 19.07 | 20.63 | 22.42 | 24.18 | 27.62 | 30.96 | 34.20 | 37.34 |
| 1400 | 11.13 | 13.01 | 15.02 | 17.16 | 19.43 | 21.62 | 23.60 | 25.63 | 27.62 | 31.51 | 35.26 | 38.87 | 42.35 |
| 1600 | 12.51 • | 14.62 • | 16.87 | 19.27 | 21.82 | 24.51 | 26.49 | 28.75 | 30.96 | 35.26 | 39.38 | 43.32 | 47.07 |
| 1750 | 13.53 • | 15.80 • | 18.24 | 20.83 | 23.57 | 26.47 | 28.61 | 31.03 | 33.40 | 37.98 | 42.35 | 46.50 | 50.42 |
| 2000 | 15.32 • | 17.73 • | 20.46 | 23.36 | 26.43 | 29.67 | 32.05 | 34.73 | 37.34 | 42.35 | 47.07 | 51.50 | 55.62 |
| 2400 | 18.29 • | 20.71 • | 23.88 • | 27.26 | 30.83 | 34.59 | 37.34 | 40.38 | 43.32 | 48.88 | 54.01 | 58.69 | 62.87 |
| 2800 | 21.21 • | 23.56 • | 27.15 • | 30.97 | 35.01 | 39.26 | 42.35 | 45.69 | 48.88 | 54.82 | 60.14 | 64.77 | 68.68 |
| 3200 | 24.07 • | 26.27 • | 30.26 • | 34.50 • | 38.97 | 43.69 | 47.07 | 50.64 | 54.01 | 60.14 | 65.38 | 69.65 | - |
| 3500 | - | 28.39 • | 32.49 • | 37.02 • | 41.80 | 46.83 | 50.42 | 54.12 | 57.56 | 63.68 | 68.68 | - | - |
| 4000 | - | - | 35.99 • | 40.97 | 46.22 • | 51.74 • | 55.62 | 59.42 | 62.87 | 68.68 | - | - | - |
| 4500 | - | - | - | 44.60 • | 50.27 • | 56.21 • | 60.32 • | 64.08 • | 67.37 • | - | - | - | - |
| 5000 | - | - | - | - | 53.91 • | 60.20 • | 64.47 • | 68.04 • | 70.99 • | - | - | - | - |
| 5500 | - | - | - | - | - | 63.69 • | 68.04 • | 71.25 • | - | - | - | - | - |
| 85mm (3.35") WIDE | | | | | | | | | | | | | |
| 10 | - | - | - | 0.26 | 0.30 | 0.33 | 0.36 | 0.40 | 0.43 | 0.50 | 0.57 | 0.65 | 0.72 |
| 20 | - | - | - | 0.52 | 0.59 | 0.67 | 0.72 | 0.79 | 0.86 | 1.01 | 1.15 | 1.29 | 1.44 |
| 40 | - | - | - | 1.05 | 1.19 | 1.33 | 1.44 | 1.58 | 1.72 | 2.01 | 2.30 | 2.59 | 2.87 |
| 80 | - | - | - | 2.09 | 2.37 | 2.67 | 2.87 | 3.16 | 3.45 | 4.02 | 4.60 | 5.17 | 5.75 |
| 100 | - | - | - | 2.61 | 2.96 | 3.34 | 3.59 | 3.95 | 4.31 | 5.03 | 5.75 | 6.47 | 7.19 |
| 200 | - | - | - | 5.23 | 5.93 | 6.67 | 7.19 | 7.88 | 8.52 | 9.80 | 11.05 | 12.29 | 13.51 |
| 300 | - | - | - | 7.55 | 8.56 | 9.63 | 10.42 | 11.36 | 12.29 | 14.11 | 15.91 | 17.68 | 19.42 |
| 400 | - | - | - | 9.79 | 11.10 | 12.48 | 13.51 | 14.71 | 15.91 | 18.26 | 20.57 | 22.85 | 25.09 |
| 500 | - | - | - | 11.96 | 13.56 | 15.24 | 16.50 | 17.97 | 19.42 | 22.28 | 25.09 | 27.85 | 30.57 |
| 600 | - | - | - | 14.09 | 15.96 | 17.95 | 19.42 | 21.15 | 22.85 | 26.20 | 29.49 | 32.71 | 35.88 |
| 700 | - | - | - | 16.17 | 18.32 | 20.59 | 22.28 | 24.25 | 26.20 | 30.03 | 33.77 | 37.45 | 41.05 |
| 800 | - | - | - | 18.21 | 20.63 | 23.19 | 25.09 | 27.30 | 29.49 | 33.77 | 37.97 | 42.07 | 46.09 |
| 870 | - | - | - | 19.62 | 22.23 | 24.98 | 27.03 | 29.40 | 31.75 | 36.35 | 40.85 | 45.24 | 49.53 |
| 1000 | - | - | - | 22.20 | 25.15 | 28.26 | 30.57 | 33.24 | 35.88 | 41.05 | 46.09 | 50.99 | 55.78 |
| 1160 | - | - | - | 25.31 | 28.66 | 32.21 | 34.83 | 37.86 | 40.85 | 46.68 | 52.35 | 57.85 | 63.19 |
| 1200 | - | - | - | 26.08 | 29.53 | 33.18 | 35.88 | 39.00 | 42.07 | 48.06 | 53.88 | 59.52 | 64.99 |
| 1400 | - | - | - | 29.85 | 33.80 | 37.97 | 41.05 | 44.59 | 48.06 | 54.83 | 61.36 | 67.66 | 73.72 |
| 1600 | - | - | - | 33.53 | 37.96 | 42.64 | 46.09 | 50.02 | 53.88 | 61.36 | 68.54 | 75.41 | 81.97 |
| 1750 | - | - | - | 36.24 | 41.02 | 46.06 | 49.78 | 54.00 | 58.13 | 66.11 | 73.72 | 80.96 | 87.82 |
| 2000 | - | - | - | 40.65 | 45.99 | 51.64 | 55.78 | 60.44 | 64.99 | 73.72 | 81.97 | 89.71 | 96.92 |
| 2400 | - | - | - | 47.43 | 53.65 | 60.20 | 64.99 | 70.29 | 75.41 | 85.13 | 94.10 | 102.29 | 109.65 |
| 2800 | - | - | - | 53.90 | 60.94 | 68.35 | 73.72 | 79.55 | 85.13 | 95.52 | 104.84 | 113.00 | 119.91 |
| 3200 | - | - | - | 60.06 • | 67.85 | 76.06 | 81.97 | 88.20 | 94.10 | 104.84 | 114.06 | 121.64 | - |
| 3500 | - | - | - | 64.46 • | 72.79 | 81.56 | 87.82 | 94.28 | 100.32 | 111.07 | 119.91 | - | - |
| 4000 | - | - | - | 71.37 • | 80.52 • | 90.14 • | 96.92 | 103.58 | 109.65 | 119.91 | - | - | - |
| 4500 | - | - | - | 77.73 • | 87.61 • | 97.97 • | 105.15 • | 111.77 • | 117.59 • | - | - | - | - |
| 5000 | - | - | - | - | 94.00 • | 104.99 • | 112.45 • | 118.77 • | 124.03 • | - | - | - | - |
| 5500 | - | - | - | - | - | 111.15 • | 118.77 • | 124.50 • | - | - | - | - | - |

• Use this Sprocket at this Speed only if a reduction in belt life is acceptable.

TABLE No. 1

HORSEPOWER RATINGS FOR 14M BELTS

| RPM OF SMALLER SPROCKET | NUMBER OF TEETH IN SMALLER SPROCKET | | | | | | | | | | | | | | | | |
|--------------------------|-------------------------------------|----------------|----------------|----------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 28 | 29 | 30 | 32 | 34 | 36 | 38 | 40 | 44 | 48 | 52 | 56 | 60 | 64 | 68 | 72 | 80 |
| 40mm (1.57") WIDE | | | | | | | | | | | | | | | | | |
| 10 | 0.24 | 0.26 | 0.26 | 0.32 | 0.37 | 0.42 | 0.45 | 0.48 | 0.54 | 0.59 | 0.65 | 0.70 | 0.75 | 0.80 | 0.85 | 0.90 | 1.01 |
| 20 | 0.48 | 0.52 | 0.56 | 0.65 | 0.74 | 0.84 | 0.91 | 0.96 | 1.07 | 1.19 | 1.30 | 1.41 | 1.51 | 1.61 | 1.71 | 1.81 | 2.01 |
| 40 | 0.96 | 1.04 | 1.12 | 1.30 | 1.48 | 1.67 | 1.81 | 1.92 | 2.15 | 2.38 | 2.60 | 2.81 | 3.02 | 3.22 | 3.42 | 3.62 | 4.02 |
| 60 | 1.44 | 1.56 | 1.68 | 1.94 | 2.22 | 2.51 | 2.72 | 2.88 | 3.22 | 3.57 | 3.90 | 4.22 | 4.52 | 4.82 | 5.13 | 5.43 | 6.03 |
| 100 | 2.40 | 2.60 | 2.81 | 3.24 | 3.70 | 4.18 | 4.53 | 4.81 | 5.37 | 5.94 | 6.50 | 7.04 | 7.54 | 8.04 | 8.54 | 9.05 | 10.05 |
| 200 | 4.80 | 5.20 | 5.61 | 6.48 | 7.39 | 8.36 | 9.06 | 9.61 | 10.73 | 11.88 | 13.00 | 14.06 | 15.07 | 16.07 | 17.07 | 18.08 | 20.08 |
| 300 | 6.58 | 7.12 | 7.68 | 8.85 | 10.09 | 11.39 | 12.33 | 13.06 | 14.54 | 16.07 | 17.55 | 19.04 | 20.56 | 22.11 | 23.68 | 25.28 | 28.55 |
| 400 | 8.17 | 8.84 | 9.53 | 10.97 | 12.48 | 14.08 | 15.23 | 16.11 | 17.91 | 19.74 | 21.51 | 23.30 | 25.11 | 26.95 | 28.81 | 30.69 | 34.54 |
| 500 | 9.63 | 10.41 | 11.22 | 12.90 | 14.67 | 16.52 | 17.86 | 18.87 | 20.93 | 23.03 | 25.05 | 27.08 | 29.13 | 31.20 | 33.29 | 35.40 | 39.69 |
| 600 | 10.98 | 11.87 | 12.78 | 14.68 | 16.68 | 18.77 | 20.26 | 21.39 | 23.68 | 26.01 | 28.23 | 30.46 | 32.70 | 34.96 | 37.24 | 39.53 | 44.14 |
| 700 | 12.24 | 13.22 | 14.23 | 16.33 | 18.54 | 20.84 | 22.48 | 23.71 | 26.20 | 28.71 | 31.11 | 33.50 | 35.90 | 38.30 | 40.72 | 43.13 | 47.97 |
| 800 | 13.42 | 14.49 | 15.59 | 17.87 | 20.27 | 22.77 | 24.54 | 25.85 | 28.51 | 31.18 | 33.72 | 36.24 | 38.75 | 41.26 | 43.77 | 46.27 | 51.23 |
| 870 | 14.20 | 15.33 | 16.49 | 18.89 | 21.41 | 24.04 | 25.89 | 27.26 | 30.01 | 32.78 | 35.40 | 37.99 | 40.56 | 43.12 | 45.67 | 48.20 | 53.19 |
| 1000 | 15.57 | 16.80 | 18.05 | 20.66 | 23.39 | 26.23 | 28.21 | 29.67 | 32.58 | 35.49 | 38.22 | 40.89 | 43.53 | 46.14 | 48.72 | 51.25 | 56.17 |
| 1160 | 17.12 | 18.45 | 19.82 | 22.65 | 25.60 | 28.67 | 30.79 | 32.32 | 35.37 | 38.39 | 41.19 | 43.89 | 46.54 | 49.12 | 51.63 | 54.07 | 58.67 |
| 1200 | 17.48 | 18.84 | 20.23 | 23.11 | 26.12 | 29.24 | 31.38 | 32.93 | 36.00 | 39.05 | 41.85 | 44.55 | 47.19 | 49.74 | 52.22 | 54.61 | 59.10 |
| 1400 | 19.17 • | 20.65 | 22.15 | 25.26 | 28.49 | 31.84 | 34.10 | 35.70 | 38.84 | 41.91 | 44.67 | 47.28 | 49.77 | 52.13 | 54.35 | 56.42 | 60.08 |
| 1600 | 20.67 • | 22.24 • | 23.84 | 27.13 | 30.54 | 34.06 | 36.40 | 38.00 | 41.12 | 44.11 | 46.72 | 49.11 | 51.31 | 53.32 | 55.11 | 56.67 | 59.07 |
| 1750 | 21.67 • | 23.30 • | 24.95 • | 28.36 | 31.88 | 35.49 | 37.86 | 39.44 | 42.48 | 45.34 | 47.76 | 49.90 | 51.79 | 53.42 | 54.77 | 55.83 | 56.98 |
| 2000 | 23.12 • | 24.82 • | 26.55 • | 30.09 | 33.73 | 37.46 | 39.81 | 41.30 | 44.09 | 46.60 | 48.54 | 50.10 | 51.28 | 52.08 | 52.46 | - | - |
| 2400 | 26.91 • | 27.72 • | 28.52 • | 32.07 • | 35.76 | 39.50 | 41.69 | 42.89 | 44.96 | 46.54 | 47.31 | 47.44 | - | - | - | - | - |
| 2800 | 30.56 • | 31.41 • | 32.24 • | 33.82 • | 36.64 • | 40.20 | 42.04 | 42.77 | 43.69 | 43.85 | - | - | - | - | - | - | - |
| 3200 | - | 34.67 • | 35.49 • | 37.01 • | 38.36 • | 39.54 • | 40.84 | 41.33 | 42.29 | - | - | - | - | - | - | - | - |
| 3500 | - | - | 37.58 • | 38.97 • | 40.15 • | 41.10 • | 41.81 | 42.26 | - | - | - | - | - | - | - | - | - |
| 4000 | - | - | - | 41.33 • | 42.03 • | - | - | - | - | - | - | - | - | - | - | - | - |
| 55mm (2.17") WIDE | | | | | | | | | | | | | | | | | |
| 10 | 0.36 | 0.39 | 0.42 | 0.48 | 0.55 | 0.62 | 0.68 | 0.72 | 0.80 | 0.89 | 0.97 | 1.05 | 1.13 | 1.20 | 1.28 | 1.35 | 1.50 |
| 20 | 0.72 | 0.78 | 0.84 | 0.97 | 1.10 | 1.25 | 1.35 | 1.43 | 1.60 | 1.77 | 1.94 | 2.10 | 2.25 | 2.40 | 2.55 | 2.70 | 3.00 |
| 40 | 1.43 | 1.55 | 1.68 | 1.93 | 2.21 | 2.49 | 2.70 | 2.87 | 3.20 | 3.55 | 3.88 | 4.20 | 4.50 | 4.80 | 5.10 | 5.40 | 6.00 |
| 60 | 2.15 | 2.33 | 2.51 | 2.90 | 3.31 | 3.74 | 4.06 | 4.30 | 4.80 | 5.32 | 5.82 | 6.30 | 6.75 | 7.20 | 7.65 | 8.10 | 9.00 |
| 100 | 3.58 | 3.88 | 4.19 | 4.83 | 5.52 | 6.23 | 6.76 | 7.17 | 8.01 | 8.87 | 9.70 | 10.50 | 11.25 | 12.00 | 12.75 | 13.50 | 15.00 |
| 200 | 7.16 | 7.76 | 8.37 | 9.66 | 11.03 | 12.47 | 13.52 | 14.34 | 16.01 | 17.73 | 19.40 | 20.99 | 22.48 | 23.98 | 25.48 | 26.97 | 29.96 |
| 300 | 9.81 | 10.62 | 11.46 | 13.20 | 15.05 | 16.99 | 18.40 | 19.49 | 21.70 | 23.98 | 26.19 | 28.42 | 30.69 | 33.00 | 35.34 | 37.73 | 42.61 |
| 400 | 12.19 | 13.19 | 14.22 | 16.37 | 18.63 | 21.01 | 22.73 | 24.04 | 26.72 | 29.46 | 32.11 | 34.77 | 37.48 | 40.22 | 43.00 | 45.82 | 51.56 |
| 500 | 14.37 | 15.54 | 16.74 | 19.25 | 21.89 | 24.66 | 26.65 | 28.17 | 31.24 | 34.37 | 37.39 | 40.42 | 43.48 | 46.58 | 49.70 | 52.86 | 59.27 |
| 600 | 16.39 | 17.71 | 19.07 | 21.91 | 24.89 | 28.01 | 30.25 | 31.93 | 35.35 | 38.82 | 42.15 | 45.48 | 48.83 | 52.21 | 55.61 | 59.04 | 65.94 |
| 700 | 18.27 | 19.73 | 21.24 | 24.38 | 27.67 | 31.11 | 33.56 | 35.40 | 39.11 | 42.87 | 46.46 | 50.03 | 53.62 | 57.22 | 60.83 | 64.46 | 71.71 |
| 800 | 20.03 | 21.63 | 23.27 | 26.68 | 30.26 | 33.99 | 36.63 | 38.60 | 42.57 | 46.58 | 50.37 | 54.14 | 57.91 | 61.67 | 65.43 | 69.18 | 76.64 |
| 870 | 21.20 | 22.89 | 24.61 | 28.20 | 31.97 | 35.89 | 38.65 | 40.70 | 44.82 | 48.97 | 52.89 | 56.77 | 60.63 | 64.48 | 68.31 | 72.11 | 79.63 |
| 1000 | 23.25 | 25.08 | 26.96 | 30.86 | 34.93 | 39.18 | 42.14 | 44.32 | 48.68 | 53.05 | 57.14 | 61.15 | 65.12 | 69.05 | 72.93 | 76.75 | 84.20 |
| 1160 | 25.56 | 27.56 | 29.60 | 33.83 | 38.25 | 42.83 | 46.00 | 48.30 | 52.87 | 57.42 | 61.62 | 65.71 | 69.70 | 73.61 | 77.42 | 81.12 | 88.16 |
| 1200 | 26.11 | 28.14 | 30.22 | 34.53 | 39.02 | 43.69 | 46.90 | 49.22 | 53.83 | 58.41 | 62.62 | 66.71 | 70.69 | 74.57 | 78.34 | 81.96 | 88.87 |
| 1400 | 28.66 • | 30.86 | 33.11 | 37.76 | 42.59 | 47.60 | 51.00 | 53.40 | 58.13 | 62.76 | 66.94 | 70.92 | 74.72 | 78.33 | 81.75 | 84.97 | 90.71 |
| 1600 | 30.91 • | 33.26 • | 35.65 | 40.58 | 45.69 | 50.97 | 54.48 | 56.91 | 61.62 | 66.16 | 70.15 | 73.83 | 77.24 | 80.38 | 83.21 | 85.73 | 89.74 |
| 1750 | 32.43 • | 34.86 • | 37.35 • | 42.45 | 47.73 | 53.15 | 56.72 | 59.11 | 63.74 | 68.11 | 71.83 | 75.18 | 78.17 | 80.79 | 83.02 | 84.83 | 87.12 |
| 2000 | 34.64 • | 37.19 • | 39.78 • | 45.10 | 50.57 | 56.17 | 59.74 | 62.02 | 66.31 | 70.21 | 73.29 | 75.83 | 77.84 | 79.31 | 80.20 | - | - |
| 2400 | 40.38 • | 41.62 • | 42.83 • | 48.20 • | 53.78 | 59.43 | 62.79 | 64.68 | 67.99 | 70.61 | 72.07 | 72.65 | - | - | - | - | - |
| 2800 | 45.96 • | 47.28 • | 48.56 • | 51.02 • | 55.34 • | 60.77 | 63.66 | 64.90 | 66.63 | 67.28 | - | - | - | - | - | - | - |
| 3200 | - | 52.35 • | 53.63 • | 56.04 • | 58.22 • | 60.18 • | 62.31 | 63.27 | 65.24 | - | - | - | - | - | - | - | - |
| 3500 | - | - | 56.96 • | 59.22 • | 61.20 • | 62.85 • | 64.18 | 65.15 | - | - | - | - | - | - | - | - | - |
| 4000 | - | - | - | 63.27 • | 64.64 • | - | - | - | - | - | - | - | - | - | - | - | - |
| 85mm (3.35") WIDE | | | | | | | | | | | | | | | | | |
| 10 | 0.59 | 0.64 | 0.70 | 0.80 | 0.92 | 1.03 | 1.12 | 1.19 | 1.33 | 1.47 | 1.61 | 1.74 | 1.87 | 1.99 | 2.12 | 2.24 | 2.49 |
| 20 | 1.19 | 1.29 | 1.39 | 1.60 | 1.83 | 2.07 | 2.24 | 2.38 | 2.66 | 2.94 | 3.22 | 3.49 | 3.73 | 3.98 | 4.23 | 4.48 | 4.98 |
| 40 | 2.38 | 2.58 | 2.78 | 3.21 | 3.66 | 4.14 | 4.49 | 4.76 | 5.32 | 5.89 | 6.44 | 6.97 | 7.47 | 7.97 | 8.46 | 8.96 | 9.96 |
| 60 | 3.57 | 3.86 | 4.17 | 4.81 | 5.49 | 6.21 | 6.73 | 7.14 | 7.97 | 8.83 | 9.66 | 10.46 | 11.20 | 11.95 | 12.70 | 13.44 | 14.94 |
| 100 | 5.94 | 6.44 | 6.95 | 8.02 | 9.15 | 10.35 | 11.22 | 11.90 | 13.29 | 14.71 | 16.11 | 17.42 | 18.67 | 19.91 | 21.16 | 22.40 | 24.89 |
| 200 | 11.88 | 12.87 | 13.90 | 16.04 | 18.30 | 20.69 | 22.44 | 23.79 | 26.57 | 29.42 | 32.20 | 34.83 | 37.32 | 39.80 | 42.29 | 44.77 | 49.73 |
| 300 | 16.28 | 17.63 | 19.02 | 21.91 | 24.98 | 28.20 | 30.54 | 32.34 | 36.02 | 39.80 | 43.47 | 47.17 | 50.94 | 54.77 | 58.67 | 62.63 | 70.73 |
| 400 | 20.23 | 21.89 | 23.60 | 27.16 | 30.92 | 34.87 | 37.73 | 39.91 | 44.35 | 48.90 | 53.30 | 57.72 | 62.21 | 66.77 | 71.39 | 76.07 | 85.60 |
| 500 | 23.85 | 25.79 | 27.79 | 31.95 | 36.33 | 40.93 | 44.24 | 46.75 | 51.86 | 57.06 | 62.07 | 67.10 | 72.19 | 77.33 | 82.53 | 87.78 | 98.43 |
| 600 | 27.20 | 29.40 | 31.66 | 36.37 | 41 | | | | | | | | | | | | |



TABLE No. 1

| LINE No. | RATIO | SPROCKET COMBINATION | | | | DRIVEN SPEED AND HORSEPOWER | | | | | | | | | | 480 | 560 | 600 |
|---|-------|----------------------|------------|-----------|------------|-----------------------------|-----------------|--------|---------|-------------------|------------|-----------------|--------|-------|-------|------|------|------|
| | | DRIVER | | DRIVEN | | HP PER BELT WIDTH | | | | HP PER BELT WIDTH | | | | | | | | |
| | | No. TEETH | PITCH DIA. | No. TEETH | PITCH DIA. | DRIVEN RPM | 1750 RPM DRIVER | | | | DRIVEN RPM | 1160 RPM DRIVER | | | | | | |
| | | | | | | | 20 | 30 | 50 | 85 | | 20 | 30 | 50 | 85 | | | |
| Multiply HP Ratings by BELT LENGTH FACTOR → | | | | | | | | | | | | | | .80 | | | | |
| 1 | 1.00 | 22 | 2.206 | 22 | 2.206 | 1750 | 3.80 • | 6.00 • | - | - | 1160 | 2.53 • | 3.99 • | - | - | 5.99 | 7.56 | 8.35 |
| 2 | 1.00 | 24 | 2.406 | 24 | 2.406 | 1750 | 4.14 • | 6.53 • | - | - | 1160 | 2.76 • | 4.35 • | - | - | 5.67 | 7.25 | 8.03 |
| 3 | 1.00 | 26 | 2.607 | 26 | 2.607 | 1750 | 4.48 • | 7.07 • | - | - | 1160 | 2.98 • | 4.71 • | - | - | 5.36 | 6.93 | 7.72 |
| 4 | 1.00 | 28 | 2.807 | 28 | 2.807 | 1750 | 4.95 • | 7.81 • | 13.53 • | - | 1160 | 3.45 | 5.44 | 9.43 | - | 5.04 | 6.62 | 7.40 |
| 5 | 1.00 | 30 | 3.008 | 30 | 3.008 | 1750 | 5.78 • | 9.12 • | 15.80 • | - | 1160 | 4.04 | 6.36 | 11.02 | - | 4.73 | 6.30 | 7.09 |
| 6 | 1.00 | 32 | 3.208 | 32 | 3.208 | 1750 | 6.67 | 10.53 | 18.24 | - | 1160 | 4.66 | 7.35 | 12.73 | - | 4.41 | 5.99 | 6.77 |
| 7 | 1.00 | 34 | 3.409 | 34 | 3.409 | 1750 | 7.62 | 12.02 | 20.83 | 36.24 | 1160 | 5.32 | 8.40 | 14.55 | 25.31 | 4.10 | 5.67 | 6.46 |
| 8 | 1.00 | 36 | 3.609 | 36 | 3.609 | 1750 | 8.62 | 13.61 | 23.57 | 41.02 | 1160 | 6.03 | 9.51 | 16.48 | 28.66 | - | 5.36 | 6.15 |
| 9 | 1.00 | 38 | 3.810 | 38 | 3.810 | 1750 | 9.68 | 15.28 | 26.47 | 46.06 | 1160 | 6.78 | 10.69 | 18.51 | 32.21 | - | 5.04 | 5.83 |
| 10 | 1.00 | 40 | 4.010 | 40 | 4.010 | 1750 | 10.46 | 16.51 | 28.61 | 49.78 | 1160 | 7.33 | 11.56 | 20.02 | 34.83 | - | 4.73 | 5.52 |
| 11 | 1.00 | 44 | 4.411 | 44 | 4.411 | 1750 | 11.35 | 17.91 | 31.03 | 54.00 | 1160 | 7.96 | 12.56 | 21.76 | 37.86 | - | - | 4.89 |
| 12 | 1.00 | 48 | 4.812 | 48 | 4.812 | 1750 | 12.21 | 19.27 | 33.40 | 58.13 | 1160 | 8.59 | 13.55 | 23.48 | 40.85 | - | - | - |
| 13 | 1.00 | 56 | 5.614 | 56 | 5.614 | 1750 | 13.88 | 21.91 | 37.98 | 66.11 | 1160 | 9.81 | 15.49 | 26.83 | 46.68 | - | - | - |
| 14 | 1.00 | 64 | 6.416 | 64 | 6.416 | 1750 | 15.46 | 24.42 | 42.35 | 73.72 | 1160 | 11.00 | 17.36 | 30.08 | 52.35 | - | - | - |
| 15 | 1.00 | 72 | 7.218 | 72 | 7.218 | 1750 | 16.96 | 26.81 | 46.50 | 80.96 | 1160 | 12.15 | 19.18 | 33.24 | 57.85 | - | - | - |
| 16 | 1.00 | 80 | 8.020 | 80 | 8.020 | 1750 | 18.37 | 29.05 | 50.42 | 87.82 | 1160 | 13.27 | 20.95 | 36.31 | 63.19 | - | - | - |
| 17 | 1.05 | 38 | 3.810 | 40 | 4.010 | 1666 | 9.68 | 15.28 | 26.47 | 46.06 | 1104 | 6.78 | 10.69 | 18.51 | 32.21 | - | 4.88 | 5.67 |
| 18 | 1.06 | 32 | 3.208 | 34 | 3.409 | 1650 | 6.67 | 10.53 | 18.24 | - | 1094 | 4.66 | 7.35 | 12.73 | - | 4.25 | 5.83 | 6.62 |
| 19 | 1.06 | 34 | 3.409 | 36 | 3.609 | 1650 | 7.62 | 12.02 | 20.83 | 36.24 | 1094 | 5.32 | 8.40 | 14.55 | 25.31 | 3.94 | 5.51 | 6.30 |
| 20 | 1.06 | 36 | 3.609 | 38 | 3.810 | 1650 | 8.62 | 13.61 | 23.57 | 41.02 | 1094 | 6.03 | 9.51 | 16.48 | 28.66 | - | 5.20 | 5.99 |
| 21 | 1.07 | 28 | 2.807 | 30 | 3.008 | 1635 | 4.95 • | 7.81 • | 13.53 • | - | 1084 | 3.45 | 5.44 | 9.43 | - | 4.88 | 6.46 | 7.25 |
| 22 | 1.07 | 30 | 3.008 | 32 | 3.208 | 1635 | 5.78 • | 9.12 • | 15.80 • | - | 1084 | 4.04 | 6.36 | 11.02 | - | 4.57 | 6.14 | 6.93 |
| 23 | 1.08 | 24 | 2.406 | 26 | 2.607 | 1620 | 4.14 • | 6.53 • | - | - | 1074 | 2.76 • | 4.35 • | - | - | 5.51 | 7.09 | 7.88 |
| 24 | 1.08 | 26 | 2.607 | 28 | 2.807 | 1620 | 4.48 • | 7.07 • | - | - | 1074 | 2.98 • | 4.71 • | - | - | 5.20 | 6.77 | 7.56 |
| 25 | 1.09 | 22 | 2.206 | 24 | 2.406 | 1605 | 3.80 • | 6.00 • | - | - | 1064 | 2.53 • | 3.99 • | - | - | 5.83 | 7.40 | 8.19 |
| 26 | 1.09 | 44 | 4.411 | 48 | 4.812 | 1605 | 11.35 | 17.91 | 31.03 | 54.00 | 1064 | 7.96 | 12.56 | 21.76 | 37.86 | - | - | - |
| 27 | 1.10 | 40 | 4.010 | 44 | 4.411 | 1590 | 10.46 | 16.51 | 28.61 | 49.78 | 1054 | 7.33 | 11.56 | 20.02 | 34.83 | - | - | 5.20 |
| 28 | 1.11 | 36 | 3.609 | 40 | 4.010 | 1576 | 8.62 | 13.61 | 23.57 | 41.02 | 1045 | 6.03 | 9.51 | 16.48 | 28.66 | - | 5.04 | 5.83 |
| 29 | 1.11 | 72 | 7.218 | 80 | 8.020 | 1576 | 16.96 | 26.81 | 46.50 | 80.96 | 1045 | 12.15 | 19.18 | 33.24 | 57.85 | - | - | - |
| 30 | 1.12 | 32 | 3.208 | 36 | 3.609 | 1562 | 6.67 | 10.53 | 18.24 | - | 1035 | 4.66 | 7.35 | 12.73 | - | 4.09 | 5.67 | 6.46 |
| 31 | 1.12 | 34 | 3.409 | 38 | 3.810 | 1562 | 7.62 | 12.02 | 20.83 | 36.24 | 1035 | 5.32 | 8.40 | 14.55 | 25.31 | - | 5.35 | 6.14 |
| 32 | 1.12 | 64 | 6.416 | 72 | 7.218 | 1562 | 15.46 | 24.42 | 42.35 | 73.72 | 1035 | 11.00 | 17.36 | 30.08 | 52.35 | - | - | - |
| 33 | 1.12 | 80 | 8.020 | 90 | 9.023 | 1562 | 18.37 | 29.05 | 50.42 | 87.82 | 1035 | 13.27 | 20.95 | 36.31 | 63.19 | - | - | - |
| 34 | 1.13 | 30 | 3.008 | 34 | 3.409 | 1548 | 5.78 • | 9.12 • | 15.80 • | - | 1026 | 4.04 | 6.36 | 11.02 | - | 4.41 | 5.98 | 6.77 |
| 35 | 1.14 | 28 | 2.807 | 32 | 3.208 | 1535 | 4.95 • | 7.81 • | 13.53 • | - | 1017 | 3.45 | 5.44 | 9.43 | - | 4.72 | 6.30 | 7.09 |
| 36 | 1.14 | 56 | 5.614 | 64 | 6.416 | 1535 | 13.88 | 21.91 | 37.98 | 66.11 | 1017 | 9.81 | 15.49 | 26.83 | 46.68 | - | - | - |
| 37 | 1.15 | 26 | 2.607 | 30 | 3.008 | 1521 | 4.48 • | 7.07 • | - | - | 1008 | 2.98 • | 4.71 • | - | - | 5.04 | 6.61 | 7.40 |
| 38 | 1.16 | 38 | 3.810 | 44 | 4.411 | 1508 | 9.68 | 15.28 | 26.47 | 46.06 | 1000 | 6.78 | 10.69 | 18.51 | 32.21 | - | 4.56 | 5.35 |
| 39 | 1.17 | 24 | 2.406 | 28 | 2.807 | 1495 | 4.14 • | 6.53 • | - | - | 991 | 2.76 • | 4.35 • | - | - | 5.35 | 6.93 | 7.72 |
| 40 | 1.17 | 48 | 4.812 | 56 | 5.614 | 1495 | 12.21 | 19.27 | 33.40 | 58.13 | 991 | 8.59 | 13.55 | 23.48 | 40.85 | - | - | - |
| 41 | 1.18 | 22 | 2.206 | 26 | 2.607 | 1483 | 3.80 • | 6.00 • | - | - | 983 | 2.53 • | 3.99 • | - | - | 5.67 | 7.24 | 8.03 |
| 42 | 1.18 | 34 | 3.409 | 40 | 4.010 | 1483 | 7.62 | 12.02 | 20.83 | 36.24 | 983 | 5.32 | 8.40 | 14.55 | 25.31 | - | 5.19 | 5.98 |
| 43 | 1.19 | 32 | 3.208 | 38 | 3.810 | 1470 | 6.67 | 10.53 | 18.24 | - | 974 | 4.66 | 7.35 | 12.73 | - | 3.93 | 5.51 | 6.30 |
| 44 | 1.20 | 30 | 3.008 | 36 | 3.609 | 1458 | 5.78 • | 9.12 • | 15.80 • | - | 966 | 4.04 | 6.36 | 11.02 | - | 4.24 | 5.82 | 6.61 |
| 45 | 1.20 | 40 | 4.010 | 48 | 4.812 | 1458 | 10.46 | 16.51 | 28.61 | 49.78 | 966 | 7.33 | 11.56 | 20.02 | 34.83 | - | - | 4.87 |
| 46 | 1.21 | 28 | 2.807 | 34 | 3.409 | 1446 | 4.95 • | 7.81 • | 13.53 • | - | 958 | 3.45 | 5.44 | 9.43 | - | 4.56 | 6.14 | 6.93 |
| 47 | 1.22 | 36 | 3.609 | 44 | 4.411 | 1434 | 8.62 | 13.61 | 23.57 | 41.02 | 950 | 6.03 | 9.51 | 16.48 | 28.66 | - | 4.71 | 5.50 |
| 48 | 1.23 | 26 | 2.607 | 32 | 3.208 | 1422 | 4.48 • | 7.07 • | - | - | 943 | 2.98 • | 4.71 • | - | - | 4.88 | 6.45 | 7.24 |
| 49 | 1.25 | 24 | 2.406 | 30 | 3.008 | 1400 | 4.14 • | 6.53 • | - | - | 928 | 2.76 • | 4.35 • | - | - | 5.19 | 6.77 | 7.56 |
| 50 | 1.25 | 32 | 3.208 | 40 | 4.010 | 1400 | 6.67 | 10.53 | 18.24 | - | 928 | 4.66 | 7.35 | 12.73 | - | - | 5.34 | 6.13 |
| 51 | 1.25 | 64 | 6.416 | 80 | 8.020 | 1400 | 15.46 | 24.42 | 42.35 | 73.72 | 928 | 11.00 | 17.36 | 30.08 | 52.35 | - | - | - |
| 52 | 1.25 | 72 | 7.218 | 90 | 9.023 | 1400 | 16.96 | 26.81 | 46.50 | 80.96 | 928 | 12.15 | 19.18 | 33.24 | 57.85 | - | - | - |
| 53 | 1.26 | 38 | 3.810 | 48 | 4.812 | 1388 | 9.68 | 15.28 | 26.47 | 46.06 | 920 | 6.78 | 10.69 | 18.51 | 32.21 | - | - | 5.02 |
| 54 | 1.27 | 22 | 2.206 | 28 | 2.807 | 1377 | 3.80 • | 6.00 • | - | - | 913 | 2.53 • | 3.99 • | - | - | 5.51 | 7.08 | 7.87 |
| 55 | 1.27 | 30 | 3.008 | 38 | 3.810 | 1377 | 5.78 • | 9.12 • | 15.80 • | - | 913 | 4.04 | 6.36 | 11.02 | - | 4.08 | 5.66 | 6.45 |
| 56 | 1.27 | 44 | 4.411 | 56 | 5.614 | 1377 | 11.35 | 17.91 | 31.03 | 54.00 | 913 | 7.96 | 12.56 | 21.76 | 37.86 | - | - | - |
| 57 | 1.29 | 28 | 2.807 | 36 | 3.609 | 1356 | 4.95 • | 7.81 • | 13.53 • | - | 899 | 3.45 | 5.44 | 9.43 | - | 4.39 | 5.97 | 6.76 |
| 58 | 1.29 | 34 | 3.409 | 44 | 4.411 | 1356 | 7.62 | 12.02 | 20.83 | 36.24 | 899 | 5.32 | 8.40 | 14.55 | 25.31 | - | 4.86 | 5.65 |
| 59 | 1.29 | 56 | 5.614 | 72 | 7.218 | 1356 | 13.88 | 21.91 | 37.98 | 66.11 | 899 | 9.81 | 15.49 | 26.83 | 46.68 | - | - | - |
| 60 | 1.31 | 26 | 2.607 | 34 | 3.409 | 1335 | 4.48 • | 7.07 • | - | - | 885 | 2.98 • | 4.71 • | - | - | 4.71 | 6.29 | 7.08 |
| 61 | 1.33 | 24 | 2.406 | 32 | 3.208 | 1315 | 4.14 • | 6.53 • | - | - | 872 | 2.76 • | 4.35 • | - | - | 5.03 | 6.60 | 7.39 |
| 62 | 1.33 | 30 | 3.008 | 40 | 4.010 | 1315 | 5.78 • | 9.12 • | 15.80 • | - | 872 | 4.04 | 6.36 | 11.02 | - | 3.91 | 5.49 | 6.28 |
| 63 | 1.33 | 36 | 3.609 | 48 | 4.812 | 1315 | 8.62 | 13.61 | 23.57 | 41.02 | 872 | 6.03 | 9.51 | 16.48 | 28.66 | - | - | 5.17 |
| 64 | 1.33 | 48 | 4.812 | 64 | 6.416 | 1315 | 12.21 | 19.27 | 33.40 | 58.13 | 872 | 8.59 | 13.55 | 23.48 | 40.85 | - | - | - |
| 65 | 1.36 | 22 | 2.206 | 30 | 3.008 | 1286 | 3.80 • | 6.00 • | - | - | 852 | 2.53 • | 3.99 • | - | - | 5.34 | 6.92 | 7.71 |
| 66 | 1.36 | 28 | 2.807 | 38 | 3.810 | 1286 | 4.95 • | 7.81 • | 13.53 • | - | 852 | 3.45 | 5.44 | 9.43 | - | 4.23 | 5.81 | 6.60 |
| 67 | 1.37 | 32 | 3.208 | 44 | 4.411 | 1277 | 6.67 | 10.53 | 18.24 | - | 846 | 4.66 | 7.35 | 12.73 | - | - | 5.01 | 5.80 |
| 68 | 1.38 | 26 | 2.607 | 36 | 3.609 | 1268 | 4.48 • | 7.07 • | - | - | 840 | 2.98 • | 4.71 • | - | - | 4.54 | 6.12 | 6.91 |
| 69 | 1.40 | 40 | 4.010 | 56 | 5.614 | 1250 | 10.46 | 16.51 | 28.61 | 49.78 | 828 | 7.33 | 11.56 | 20.02 | 34.83 | - | - | - |
| 70 | 1.40 | 80 | 8.020 | 112 | 11.228 | 1250 | 18.37▲ | 29.05 | 50.42 | 87.82 | 828 | 13.27▲ | 20.95 | 36.31 | 63.19 | - | - | - |

• Use this Sprocket at this Speed only if a reduction in belt life is acceptable.
 ▲ Driven sprocket is not available for belt width indicated; use next wider sprocket.

NOMINAL CENTER DISTANCES IN INCHES FOR VARIOUS BELT LENGTHS

| NOMINAL CENTER DISTANCES IN INCHES FOR VARIOUS BELT LENGTHS | | | | | | | | | | | | | | | | | | | | LINE No. | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|------|
| 640 | 720 | 800 | 880 | 960 | 1040 | 1120 | 1200 | 1280 | 1440 | 1600 | 1760 | 1800 | 2000 | 2400 | 2600 | 2800 | 3048 | 3280 | 3600 | | 4400 |
| .90 | | | | 1.00 | | | | 1.10 | | | | 1.20 | | | | | | | | | |
| 9.14 | 10.71 | 12.29 | 13.86 | 15.44 | 17.01 | 18.58 | 20.16 | 21.73 | 24.88 | 28.03 | 31.18 | 31.97 | 35.91 | 43.78 | 47.72 | 51.66 | 56.54 | 61.10 | 67.40 | 83.15 | 1 |
| 8.82 | 10.40 | 11.97 | 13.55 | 15.12 | 16.70 | 18.27 | 19.84 | 21.42 | 24.57 | 27.72 | 30.87 | 31.66 | 35.59 | 43.47 | 47.40 | 51.34 | 56.22 | 60.79 | 67.09 | 82.84 | 2 |
| 8.51 | 10.08 | 11.66 | 13.23 | 14.81 | 16.38 | 17.96 | 19.53 | 21.10 | 24.25 | 27.40 | 30.55 | 31.34 | 35.28 | 43.15 | 47.09 | 51.03 | 55.91 | 60.48 | 66.77 | 82.52 | 3 |
| 8.19 | 9.77 | 11.34 | 12.92 | 14.49 | 16.07 | 17.64 | 19.22 | 20.79 | 23.94 | 27.09 | 30.24 | 31.03 | 34.96 | 42.84 | 46.77 | 50.71 | 55.59 | 60.16 | 66.46 | 82.21 | 4 |
| 7.88 | 9.45 | 11.03 | 12.60 | 14.18 | 15.75 | 17.33 | 18.90 | 20.48 | 23.62 | 26.77 | 29.92 | 30.71 | 34.65 | 42.52 | 46.46 | 50.40 | 55.28 | 59.85 | 66.15 | 81.89 | 5 |
| 7.56 | 9.14 | 10.71 | 12.29 | 13.86 | 15.44 | 17.01 | 18.59 | 20.16 | 23.31 | 26.46 | 29.61 | 30.40 | 34.33 | 42.21 | 46.15 | 50.08 | 54.96 | 59.53 | 65.83 | 81.58 | 6 |
| 7.25 | 8.82 | 10.40 | 11.97 | 13.55 | 15.12 | 16.70 | 18.27 | 19.85 | 23.00 | 26.15 | 29.29 | 30.08 | 34.02 | 41.89 | 45.83 | 49.77 | 54.65 | 59.22 | 65.52 | 81.26 | 7 |
| 6.93 | 8.51 | 10.08 | 11.66 | 13.23 | 14.81 | 16.38 | 17.96 | 19.53 | 22.68 | 25.83 | 28.98 | 29.77 | 33.70 | 41.58 | 45.52 | 49.45 | 54.33 | 58.90 | 65.20 | 80.95 | 8 |
| 6.62 | 8.19 | 9.77 | 11.34 | 12.92 | 14.49 | 16.07 | 17.64 | 19.22 | 22.37 | 25.52 | 28.67 | 29.45 | 33.39 | 41.26 | 45.20 | 49.14 | 54.02 | 58.59 | 64.89 | 80.63 | 9 |
| 6.30 | 7.88 | 9.45 | 11.03 | 12.60 | 14.18 | 15.75 | 17.33 | 18.90 | 22.05 | 25.20 | 28.35 | 29.14 | 33.07 | 40.95 | 44.89 | 48.82 | 53.70 | 58.27 | 64.57 | 80.32 | 10 |
| 5.67 | 7.25 | 8.82 | 10.40 | 11.97 | 13.55 | 15.12 | 16.70 | 18.27 | 21.42 | 24.57 | 27.72 | 28.51 | 32.45 | 40.32 | 44.26 | 48.19 | 53.08 | 57.64 | 63.94 | 79.69 | 11 |
| - | 6.82 | 8.19 | 9.77 | 11.34 | 12.92 | 14.49 | 16.07 | 17.64 | 20.79 | 23.94 | 27.09 | 27.88 | 31.82 | 39.69 | 43.63 | 47.56 | 52.45 | 57.01 | 63.31 | 79.06 | 12 |
| - | - | 6.93 | 8.51 | 10.08 | 11.66 | 13.23 | 14.81 | 16.38 | 19.53 | 22.68 | 25.83 | 26.62 | 30.56 | 38.43 | 42.37 | 46.30 | 51.19 | 55.75 | 62.05 | 77.80 | 13 |
| - | - | - | 7.25 | 8.82 | 10.40 | 11.97 | 13.55 | 15.12 | 18.27 | 21.42 | 24.57 | 25.36 | 29.30 | 37.17 | 41.11 | 45.05 | 49.93 | 54.49 | 60.79 | 76.54 | 14 |
| - | - | - | - | 7.57 | 9.14 | 10.72 | 12.29 | 13.86 | 17.01 | 20.16 | 23.31 | 24.10 | 28.04 | 35.91 | 39.85 | 43.79 | 48.67 | 53.24 | 59.53 | 75.28 | 15 |
| - | - | - | - | - | - | 9.46 | 11.03 | 12.61 | 15.76 | 18.90 | 20.05 | 22.84 | 26.78 | 34.65 | 38.59 | 42.53 | 47.41 | 51.98 | 58.28 | 74.02 | 16 |
| 6.46 | 8.03 | 9.61 | 11.18 | 12.76 | 14.33 | 15.91 | 17.48 | 19.06 | 22.21 | 25.36 | 28.51 | 29.29 | 33.23 | 41.11 | 45.04 | 48.98 | 53.86 | 58.43 | 64.73 | 80.48 | 17 |
| 7.40 | 8.98 | 10.55 | 12.13 | 13.70 | 15.28 | 16.85 | 18.43 | 20.00 | 23.15 | 26.30 | 29.45 | 30.24 | 34.18 | 42.05 | 45.99 | 49.92 | 54.81 | 59.37 | 65.67 | 81.42 | 18 |
| 7.09 | 8.66 | 10.24 | 11.81 | 13.39 | 14.96 | 16.54 | 18.11 | 19.69 | 22.84 | 25.99 | 29.14 | 29.92 | 33.86 | 41.74 | 45.67 | 49.61 | 54.49 | 59.06 | 65.36 | 81.11 | 19 |
| 6.77 | 8.35 | 9.92 | 11.50 | 13.07 | 14.65 | 16.22 | 17.80 | 19.37 | 22.52 | 25.67 | 28.82 | 29.61 | 33.55 | 41.42 | 45.36 | 49.30 | 54.18 | 58.74 | 65.04 | 80.79 | 20 |
| 8.03 | 9.61 | 11.18 | 12.76 | 14.33 | 15.91 | 17.48 | 19.06 | 20.63 | 23.78 | 26.93 | 30.08 | 30.87 | 34.81 | 42.68 | 46.62 | 50.55 | 55.44 | 60.00 | 66.30 | 82.05 | 21 |
| 7.72 | 9.29 | 10.87 | 12.44 | 14.02 | 15.59 | 17.17 | 18.74 | 20.32 | 23.47 | 26.62 | 29.77 | 30.55 | 34.49 | 42.37 | 46.30 | 50.24 | 55.12 | 59.69 | 65.99 | 81.74 | 22 |
| 8.66 | 10.24 | 11.81 | 13.39 | 14.96 | 16.54 | 18.11 | 19.69 | 21.26 | 24.41 | 27.56 | 30.71 | 31.50 | 35.44 | 43.31 | 47.25 | 51.18 | 56.07 | 60.63 | 66.93 | 82.68 | 23 |
| 8.35 | 9.92 | 11.50 | 13.07 | 14.65 | 16.22 | 17.80 | 19.37 | 20.95 | 24.10 | 27.25 | 30.40 | 31.18 | 35.12 | 42.99 | 46.93 | 50.87 | 55.75 | 60.32 | 66.62 | 82.37 | 24 |
| 8.98 | 10.55 | 12.13 | 13.70 | 15.28 | 16.85 | 18.43 | 20.00 | 21.58 | 24.73 | 27.88 | 31.03 | 31.81 | 35.75 | 43.62 | 47.56 | 51.50 | 56.38 | 60.95 | 67.25 | 82.99 | 25 |
| 5.35 | 6.93 | 8.51 | 10.08 | 11.66 | 13.23 | 14.81 | 16.38 | 17.96 | 21.11 | 24.26 | 27.41 | 28.19 | 32.13 | 40.00 | 43.94 | 47.86 | 52.76 | 57.33 | 63.63 | 79.37 | 26 |
| 5.98 | 7.56 | 9.14 | 10.71 | 12.29 | 13.86 | 15.44 | 17.01 | 18.59 | 21.74 | 24.89 | 28.03 | 28.82 | 32.76 | 40.63 | 44.57 | 48.51 | 53.39 | 57.96 | 64.26 | 80.00 | 27 |
| 6.61 | 8.19 | 9.77 | 11.34 | 12.92 | 14.49 | 16.07 | 17.64 | 19.22 | 22.36 | 25.51 | 28.66 | 29.45 | 33.39 | 41.26 | 45.20 | 49.14 | 54.02 | 58.59 | 64.89 | 80.63 | 28 |
| - | - | - | - | 8.50 | 10.08 | 11.65 | 13.23 | 14.81 | 17.95 | 21.10 | 24.25 | 25.04 | 28.98 | 36.85 | 40.79 | 44.73 | 49.61 | 54.18 | 60.48 | 76.23 | 29 |
| 7.24 | 8.82 | 10.39 | 11.97 | 13.54 | 15.12 | 16.69 | 18.27 | 19.84 | 22.99 | 26.14 | 29.29 | 30.08 | 34.02 | 41.89 | 45.83 | 49.77 | 54.65 | 59.22 | 65.52 | 81.26 | 30 |
| 6.93 | 8.50 | 10.08 | 11.66 | 13.23 | 14.81 | 16.38 | 17.96 | 19.53 | 22.68 | 25.83 | 28.98 | 29.77 | 33.70 | 41.58 | 45.52 | 49.45 | 54.33 | 58.90 | 65.20 | 80.95 | 31 |
| - | - | - | - | 8.19 | 9.76 | 11.34 | 12.91 | 14.49 | 17.64 | 20.79 | 23.94 | 24.73 | 28.66 | 36.54 | 40.48 | 44.41 | 49.30 | 53.86 | 60.16 | 75.91 | 32 |
| - | - | - | - | - | - | 10.23 | 11.81 | 14.96 | 18.11 | 21.26 | 24.41 | 25.20 | 29.14 | 37.02 | 40.96 | 44.90 | 49.78 | 54.25 | 60.55 | 76.30 | 33 |
| 7.56 | 9.13 | 10.71 | 12.28 | 13.86 | 15.43 | 17.01 | 18.58 | 20.16 | 23.31 | 26.46 | 29.61 | 30.40 | 34.33 | 42.21 | 46.14 | 50.08 | 54.96 | 59.53 | 65.83 | 81.58 | 34 |
| 7.87 | 9.45 | 11.02 | 12.60 | 14.17 | 15.75 | 17.32 | 18.90 | 20.47 | 23.62 | 26.77 | 29.92 | 30.71 | 34.65 | 42.52 | 46.46 | 50.40 | 55.28 | 59.85 | 66.14 | 81.89 | 35 |
| - | - | - | 7.87 | 9.45 | 11.02 | 12.60 | 14.17 | 15.75 | 18.90 | 22.05 | 25.20 | 25.99 | 29.92 | 37.80 | 41.74 | 45.67 | 50.56 | 55.12 | 61.42 | 77.17 | 36 |
| 8.19 | 9.76 | 11.34 | 12.91 | 14.49 | 16.06 | 17.64 | 19.21 | 20.79 | 23.94 | 27.09 | 30.24 | 31.03 | 34.96 | 42.84 | 46.77 | 50.71 | 55.59 | 60.16 | 66.46 | 82.21 | 37 |
| 6.14 | 7.71 | 9.29 | 10.87 | 12.44 | 14.02 | 15.59 | 17.17 | 18.74 | 21.89 | 25.04 | 28.19 | 28.98 | 32.92 | 40.79 | 44.73 | 48.66 | 53.55 | 58.11 | 64.41 | 80.16 | 38 |
| 8.50 | 10.08 | 11.65 | 13.23 | 14.80 | 16.38 | 17.95 | 19.53 | 21.10 | 24.25 | 27.40 | 30.55 | 31.34 | 35.28 | 43.15 | 47.09 | 51.03 | 55.91 | 60.48 | 66.77 | 82.52 | 39 |
| - | 5.98 | 7.55 | 9.13 | 10.71 | 12.28 | 13.86 | 15.43 | 17.01 | 20.16 | 23.31 | 26.46 | 27.25 | 31.18 | 39.06 | 43.00 | 46.93 | 51.81 | 56.38 | 62.68 | 78.43 | 40 |
| 8.82 | 10.39 | 11.97 | 13.54 | 15.12 | 16.69 | 18.27 | 19.84 | 21.42 | 24.57 | 27.72 | 30.87 | 31.66 | 35.59 | 43.47 | 47.40 | 51.34 | 56.22 | 60.79 | 67.09 | 82.84 | 41 |
| 6.77 | 8.34 | 9.92 | 11.50 | 13.07 | 14.65 | 16.22 | 17.80 | 19.37 | 22.52 | 25.67 | 28.82 | 29.61 | 33.55 | 41.42 | 45.36 | 49.29 | 54.18 | 58.74 | 65.04 | 80.79 | 42 |
| 7.08 | 8.66 | 10.24 | 11.81 | 13.39 | 14.96 | 16.54 | 18.11 | 19.69 | 22.84 | 25.99 | 29.14 | 29.92 | 33.86 | 41.73 | 45.67 | 49.61 | 54.49 | 59.06 | 65.36 | 81.11 | 43 |
| 7.40 | 8.97 | 10.55 | 12.13 | 13.70 | 15.28 | 16.85 | 18.43 | 20.00 | 23.15 | 26.30 | 29.45 | 30.24 | 34.18 | 42.05 | 45.99 | 49.92 | 54.81 | 59.37 | 65.67 | 81.42 | 44 |
| 5.66 | 7.24 | 8.81 | 10.39 | 11.97 | 13.54 | 15.12 | 16.69 | 18.27 | 21.42 | 24.57 | 27.72 | 28.51 | 32.44 | 40.32 | 44.25 | 48.19 | 53.07 | 57.64 | 63.94 | 79.69 | 45 |
| 7.71 | 9.29 | 10.86 | 12.44 | 14.02 | 15.59 | 17.17 | 18.74 | 20.32 | 23.47 | 26.62 | 29.77 | 30.55 | 34.49 | 42.36 | 46.30 | 50.24 | 55.12 | 59.69 | 65.99 | 81.74 | 46 |
| 6.29 | 7.87 | 9.44 | 11.02 | 12.60 | 14.17 | 15.75 | 17.32 | 18.90 | 22.05 | 25.20 | 28.35 | 29.13 | 33.07 | 40.95 | 44.89 | 48.82 | 53.70 | 58.27 | 64.57 | 80.32 | 47 |
| 8.03 | 9.60 | 11.18 | 12.76 | 14.33 | 15.91 | 17.48 | 19.06 | 20.63 | 23.78 | 26.93 | 30.08 | 30.87 | 34.80 | 42.68 | 46.62 | 50.55 | 55.44 | 60.00 | 66.30 | 82.05 | 48 |
| 8.34 | 9.92 | 11.49 | 13.07 | 14.65 | 16.22 | 17.80 | 19.37 | 20.95 | 24.10 | 27.25 | 30.39 | 31.18 | 35.12 | 42.99 | 46.93 | 50.87 | 55.75 | 60.32 | 66.62 | 82.36 | 49 |
| 6.92 | 8.50 | 10.07 | 11.65 | 13.23 | 14.80 | 16.38 | 17.95 | 19.53 | 22.68 | 25.83 | 28.98 | 29.76 | 33.70 | 41.58 | 45.51 | 49.45 | 54.33 | 58.90 | 65.20 | 80.95 | 50 |
| - | - | - | - | 9.11 | 10.69 | 12.26 | 13.84 | 15.42 | 18.58 | 21.74 | 24.89 | 25.67 | 29.61 | 37.48 | 41.42 | 45.36 | 50.24 | 54.71 | 60.95 | 76.70 | 51 |
| - | - | - | - | - | 9.25 | 10.84 | 12.42 | 14.00 | 17.16 | 20.31 | 23.46 | 24.25 | 28.19 | 36.06 | 40.00 | 43.94 | 48.82 | 53.29 | 59.53 | 75.28 | 52 |
| 5.81 | 7.39 | 8.97 | 10.54 | 12.12 | 13.70 | 15.27 | 16.85 | 18.42 | 21.57 | 24.72 | 27.87 | 28.66 | 32.60 | 40.47 | 44.41 | 48.35 | 53.23 | 57.80 | 64.10 | 79.85 | 53 |
| 8.66 | 10.23 | 11.81 | 13.38 | 14.96 | 16.54 | 18.11 | 19.69 | 21.26 | 24.41 | 27.56 | 30.71 | 31.50 | 35.43 | 43.31 | 47.25 | 51.18 | 56.06 | 60.63 | 66.93 | 82.68 | 54 |
| 7.24 | 8.81 | 10.39 | 11.96 | 13.54 | 15.12 | 16.69 | 18.27 | 19.84 | 22.99 | 26.14 | 29.29 | 30.08 | 34.02 | 41.89 | 45.83 | 49.77 | 54.65 | 59.22 | 65.51 | 81.26 | 55 |
| - | 6.27 | 7.86 | 9.43 | 11.01 | 12.59 | 14.17 | 15.74 | 17.32 | 20.47 | | | | | | | | | | | | |

TABLE No. 1

| LINE No. | RATIO | SPROCKET COMBINATION | | | | DRIVEN SPEED AND HORSEPOWER | | | | | | | | | | | | | | | | |
|---|-------|----------------------|------------|-----------|------------|-----------------------------|-----------------|---------|---------|-------|------------|-----------------|---------|-------------------|-------|------|------|------|--|-----|-----|-----|
| | | DRIVER | | DRIVEN | | HP PER BELT WIDTH | | | | | | | | HP PER BELT WIDTH | | | | | | 480 | 560 | 600 |
| | | No. TEETH | PITCH DIA. | No. TEETH | PITCH DIA. | DRIVEN RPM | 1750 RPM DRIVER | | | | DRIVEN RPM | 1160 RPM DRIVER | | | | | | | | | | |
| | | | | | | | 20 | 30 | 50 | 85 | | 20 | 30 | 50 | 85 | | | | | | | |
| Multiply HP Ratings by BELT LENGTH FACTOR → | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | .80 | | | | | | | | |
| 1 | 1.41 | 34 | 3.409 | 48 | 4.812 | 1241 | 7.62 | 12.02 | 20.83 | 36.24 | 822 | 5.32 | 8.40 | 14.55 | 25.31 | - | 4.52 | 5.31 | | | | |
| 2 | 1.41 | 64 | 6.416 | 90 | 9.023 | 1241 | 15.46 | 24.42 | 42.35 | 73.72 | 822 | 11.00 | 17.36 | 30.08 | 52.35 | - | - | - | | | | |
| 3 | 1.42 | 24 | 2.406 | 34 | 3.409 | 1232 | 4.14 • | 6.53 • | - | - | 816 | 2.76 • | 4.35 • | - | - | 4.86 | 6.44 | 7.23 | | | | |
| 4 | 1.43 | 28 | 2.807 | 40 | 4.010 | 1223 | 4.95 • | 7.81 • | 13.53 • | - | 811 | 3.45 | 5.44 | 9.43 | - | 4.05 | 5.64 | 6.43 | | | | |
| 5 | 1.43 | 56 | 5.614 | 80 | 8.020 | 1223 | 13.88 | 21.91 | 37.98 | 66.11 | 811 | 9.81 | 15.49 | 26.83 | 46.68 | - | - | - | | | | |
| 6 | 1.45 | 22 | 2.206 | 32 | 3.208 | 1206 | 3.80 • | 6.00 • | - | - | 800 | 2.53 • | 3.99 • | - | - | 5.18 | 6.76 | 7.54 | | | | |
| 7 | 1.45 | 44 | 4.411 | 64 | 6.416 | 1206 | 11.35 | 17.91 | 31.03 | 54.00 | 800 | 7.96 | 12.56 | 21.76 | 37.86 | - | - | - | | | | |
| 8 | 1.46 | 26 | 2.607 | 38 | 3.810 | 1198 | 4.48 | 7.07 • | - | - | 794 | 2.98 • | 4.71 • | - | - | 4.37 | 5.96 | 6.75 | | | | |
| 9 | 1.47 | 30 | 3.008 | 44 | 4.411 | 1190 | 5.78 | 9.12 | 15.80 • | - | 789 | 4.04 | 6.36 | 11.02 | - | - | 5.15 | 5.95 | | | | |
| 10 | 1.47 | 38 | 3.810 | 56 | 5.614 | 1190 | 9.68 | 15.28 | 26.47 | 46.06 | 789 | 6.78 | 10.69 | 18.51 | 32.21 | - | - | - | | | | |
| 11 | 1.50 | 24 | 2.406 | 36 | 3.609 | 1166 | 4.14 • | 6.53 • | - | - | 773 | 2.76 • | 4.35 • | - | - | 4.69 | 6.27 | 7.06 | | | | |
| 12 | 1.50 | 32 | 3.208 | 48 | 4.812 | 1166 | 6.67 | 10.53 | 18.24 | - | 773 | 4.66 | 7.35 | 12.73 | - | - | 4.66 | 5.46 | | | | |
| 13 | 1.50 | 48 | 4.812 | 72 | 7.218 | 1166 | 12.21 | 19.27 | 33.40 | 58.13 | 773 | 8.59 | 13.55 | 23.48 | 40.85 | - | - | - | | | | |
| 14 | 1.54 | 26 | 2.607 | 40 | 4.010 | 1136 | 4.48 • | 7.07 • | - | - | 753 | 2.98 • | 4.71 • | - | - | 4.20 | 5.79 | 6.58 | | | | |
| 15 | 1.55 | 22 | 2.206 | 34 | 3.409 | 1129 | 3.80 • | 6.00 • | - | - | 748 | 2.53 • | 3.99 • | - | - | 5.01 | 6.59 | 7.38 | | | | |
| 16 | 1.56 | 36 | 3.609 | 56 | 5.614 | 1121 | 8.62 | 13.61 | 23.57 | 41.02 | 743 | 6.03 | 9.51 | 16.48 | 28.66 | - | - | - | | | | |
| 17 | 1.56 | 72 | 7.218 | 112 | 11.229 | 1121 | 16.96 Δ | 26.81 Δ | 46.50 | 80.96 | 743 | 12.15 Δ | 19.18 | 33.24 | 57.85 | - | - | - | | | | |
| 18 | 1.57 | 28 | 2.807 | 44 | 4.411 | 1114 | 4.95 • | 7.81 • | 13.53 • | - | 738 | 3.45 | 5.44 | 9.43 | - | - | 5.30 | 6.09 | | | | |
| 19 | 1.58 | 24 | 2.406 | 38 | 3.810 | 1107 | 4.14 • | 6.53 • | - | - | 734 | 2.76 • | 4.35 • | - | - | 4.52 | 6.10 | 6.90 | | | | |
| 20 | 1.60 | 30 | 3.008 | 48 | 4.812 | 1093 | 5.78 • | 9.12 • | 15.80 • | - | 725 | 4.04 | 6.36 | 11.02 | - | - | 4.80 | 5.60 | | | | |
| 21 | 1.60 | 40 | 4.010 | 64 | 6.416 | 1093 | 10.46 | 16.51 | 28.61 | 49.78 | 725 | 7.33 | 11.56 | 20.02 | 34.83 | - | - | - | | | | |
| 22 | 1.61 | 56 | 5.614 | 90 | 9.023 | 1086 | 13.88 | 21.91 | 37.98 | 66.11 | 720 | 9.81 | 15.49 | 26.83 | 46.68 | - | - | - | | | | |
| 23 | 1.64 | 22 | 2.206 | 36 | 3.609 | 1067 | 3.80 • | 6.00 • | - | - | 707 | 2.53 • | 3.99 • | - | - | 4.83 | 6.42 | 7.21 | | | | |
| 24 | 1.64 | 44 | 4.411 | 72 | 7.218 | 1067 | 11.35 | 17.91 | 31.03 | 54.00 | 707 | 7.96 | 12.56 | 21.76 | 37.86 | - | - | - | | | | |
| 25 | 1.65 | 34 | 3.409 | 56 | 5.614 | 1060 | 7.62 | 12.02 | 20.83 | 36.24 | 703 | 5.32 | 8.40 | 14.55 | 25.31 | - | - | - | | | | |
| 26 | 1.67 | 24 | 2.406 | 40 | 4.010 | 1047 | 4.14 • | 6.53 • | - | - | 694 | 2.76 • | 4.35 • | - | - | 4.34 | 5.93 | 6.73 | | | | |
| 27 | 1.67 | 48 | 4.812 | 80 | 8.020 | 1047 | 12.21 | 19.27 | 33.40 | 58.13 | 694 | 8.59 | 13.55 | 23.48 | 40.85 | - | - | - | | | | |
| 28 | 1.68 | 38 | 3.810 | 64 | 6.416 | 1041 | 9.68 | 15.28 | 26.47 | 46.06 | 690 | 6.78 | 10.69 | 18.51 | 32.21 | - | - | - | | | | |
| 29 | 1.69 | 26 | 2.607 | 44 | 4.411 | 1035 | 4.48 • | 7.07 • | - | - | 686 | 2.98 • | 4.71 • | - | - | 3.83 | 5.44 | 6.24 | | | | |
| 30 | 1.71 | 28 | 2.807 | 48 | 4.812 | 1023 | 4.95 • | 7.81 • | 13.53 • | - | 678 | 3.45 | 5.44 | 9.43 | - | - | 4.94 | 5.74 | | | | |
| 31 | 1.73 | 22 | 2.206 | 38 | 3.810 | 1011 | 3.80 • | 6.00 • | - | - | 670 | 2.53 • | 3.99 • | - | - | 4.66 | 6.25 | 7.04 | | | | |
| 32 | 1.75 | 32 | 3.208 | 56 | 5.614 | 1000 | 6.67 | 10.53 | 18.24 | - | 662 | 4.66 | 7.35 | 12.73 | - | - | 4.73 | - | | | | |
| 33 | 1.75 | 64 | 6.416 | 112 | 11.229 | 1000 | 15.46 Δ | 24.42 | 42.35 | 73.72 | 662 | 11.00 Δ | 17.36 | 30.08 | 52.35 | - | - | - | | | | |
| 34 | 1.78 | 36 | 3.609 | 64 | 6.416 | 983 | 8.82 | 13.61 | 23.57 | 41.02 | 651 | 6.03 | 9.51 | 16.48 | 28.66 | - | - | - | | | | |
| 35 | 1.80 | 40 | 4.010 | 72 | 7.218 | 972 | 10.46 | 16.51 | 28.61 | 49.78 | 644 | 7.33 | 11.56 | 20.02 | 34.83 | - | - | - | | | | |
| 36 | 1.80 | 80 | 8.020 | 144 | 14.437 | 972 | - | 29.05 Δ | 50.42 | 87.82 | 644 | - | 20.95 Δ | 36.31 | 63.19 | - | - | - | | | | |
| 37 | 1.82 | 22 | 2.206 | 40 | 4.010 | 961 | 3.80 • | 6.00 • | - | - | 637 | 2.53 • | 3.99 • | - | - | 4.48 | 6.08 | 6.87 | | | | |
| 38 | 1.82 | 44 | 4.411 | 80 | 8.020 | 961 | 11.35 | 17.91 | 31.03 | 54.00 | 637 | 7.96 | 12.56 | 21.76 | 37.86 | - | - | - | | | | |
| 39 | 1.83 | 24 | 2.406 | 44 | 4.411 | 956 | 4.14 • | 6.53 • | - | - | 633 | 2.76 • | 4.35 • | - | - | 3.97 | 5.58 | 6.38 | | | | |
| 40 | 1.85 | 26 | 2.607 | 48 | 4.812 | 945 | 4.48 • | 7.07 • | - | - | 627 | 2.98 • | 4.71 • | - | - | - | 5.08 | 5.88 | | | | |
| 41 | 1.87 | 30 | 3.008 | 56 | 5.614 | 935 | 5.78 • | 9.12 • | 15.80 • | - | 620 | 4.04 | 6.36 | 11.02 | - | - | - | 4.87 | | | | |
| 42 | 1.87 | 48 | 4.812 | 90 | 9.023 | 935 | 12.21 | 19.27 | 33.40 | 58.13 | 620 | 8.59 | 13.55 | 23.48 | 40.85 | - | - | - | | | | |
| 43 | 1.88 | 34 | 3.409 | 64 | 6.416 | 930 | 7.62 | 12.02 | 20.83 | 36.24 | 617 | 5.32 | 8.40 | 14.55 | 25.31 | - | - | - | | | | |
| 44 | 1.89 | 38 | 3.810 | 72 | 7.218 | 925 | 9.68 | 15.28 | 26.47 | 46.06 | 613 | 6.78 | 10.69 | 18.51 | 32.21 | - | - | - | | | | |
| 45 | 2.00 | 22 | 2.206 | 44 | 4.411 | 875 | 3.80 • | 6.00 • | - | - | 580 | 2.53 • | 3.99 • | - | - | 4.11 | 5.72 | 6.52 | | | | |
| 46 | 2.00 | 24 | 2.406 | 48 | 4.812 | 875 | 4.14 • | 6.53 • | - | - | 580 | 2.76 • | 4.35 • | - | - | - | 5.22 | 6.02 | | | | |
| 47 | 2.00 | 28 | 2.807 | 56 | 5.614 | 875 | 4.95 • | 7.81 • | 13.53 • | - | 580 | 3.45 | 5.44 | 9.43 | - | - | - | 5.00 | | | | |
| 48 | 2.00 | 32 | 3.208 | 64 | 6.416 | 875 | 6.67 | 10.53 | 18.24 | - | 580 | 4.66 | 7.35 | 12.73 | - | - | - | - | | | | |
| 49 | 2.00 | 36 | 3.609 | 72 | 7.218 | 875 | 8.62 | 13.61 | 23.57 | 41.02 | 580 | 6.03 | 9.51 | 16.48 | 28.66 | - | - | - | | | | |
| 50 | 2.00 | 40 | 4.010 | 80 | 8.020 | 875 | 10.46 | 16.51 | 28.61 | 49.78 | 580 | 7.33 | 11.56 | 20.02 | 34.83 | - | - | - | | | | |
| 51 | 2.00 | 56 | 5.614 | 112 | 11.229 | 875 | 13.88 Δ | 21.91 | 37.98 | 66.11 | 580 | 9.81 Δ | 15.49 | 26.83 | 46.68 | - | - | - | | | | |
| 52 | 2.00 | 72 | 7.218 | 144 | 14.437 | 875 | - | 26.81 Δ | 46.50 | 80.96 | 580 | - | 19.18 Δ | 33.24 | 57.85 | - | - | - | | | | |
| 53 | 2.05 | 44 | 4.411 | 90 | 9.023 | 853 | 11.35 | 17.91 | 31.03 | 54.00 | 565 | 7.96 | 12.56 | 21.76 | 37.86 | - | - | - | | | | |
| 54 | 2.11 | 38 | 3.810 | 80 | 8.020 | 829 | 9.68 | 15.28 | 26.47 | 46.06 | 549 | 6.78 | 10.69 | 18.51 | 32.21 | - | - | - | | | | |
| 55 | 2.12 | 34 | 3.409 | 72 | 7.218 | 825 | 7.62 | 12.02 | 20.83 | 36.24 | 547 | 5.32 | 8.40 | 14.55 | 25.31 | - | - | - | | | | |
| 56 | 2.13 | 30 | 3.008 | 64 | 6.416 | 821 | 5.78 • | 9.12 • | 15.80 • | - | 544 | 4.04 | 6.36 | 11.02 | - | - | - | - | | | | |
| 57 | 2.15 | 26 | 2.607 | 56 | 5.614 | 813 | 4.48 • | 7.07 • | - | - | 539 | 2.98 • | 4.71 • | - | - | - | - | 5.14 | | | | |
| 58 | 2.18 | 22 | 2.206 | 48 | 4.812 | 802 | 3.80 • | 6.00 • | - | - | 532 | 2.53 • | 3.99 • | - | - | - | 5.36 | 6.16 | | | | |
| 59 | 2.22 | 36 | 3.609 | 80 | 8.020 | 788 | 8.62 | 13.61 | 23.57 | 41.02 | 522 | 6.03 | 9.51 | 16.48 | 28.66 | - | - | - | | | | |
| 60 | 2.25 | 32 | 3.208 | 72 | 7.218 | 777 | 6.67 | 10.53 | 18.24 | - | 515 | 4.66 | 7.35 | 12.73 | - | - | - | - | | | | |
| 61 | 2.25 | 40 | 4.010 | 90 | 9.023 | 777 | 10.46 | 16.51 | 28.61 | 49.78 | 515 | 7.33 | 11.56 | 20.02 | 34.83 | - | - | - | | | | |
| 62 | 2.25 | 64 | 6.416 | 144 | 14.437 | 777 | - | 24.42 Δ | 42.35 | 73.72 | 515 | - | 17.36 Δ | 30.08 | 52.35 | - | - | - | | | | |
| 63 | 2.29 | 28 | 2.807 | 64 | 6.416 | 764 | 4.95 • | 7.81 • | 13.53 • | - | 506 | 3.45 | 5.44 | 9.43 | - | - | - | - | | | | |
| 64 | 2.33 | 24 | 2.406 | 56 | 5.614 | 751 | 4.14 • | 6.53 • | - | - | 497 | 2.76 • | 4.35 • | - | - | - | 4.44 | 5.27 | | | | |
| 65 | 2.33 | 48 | 4.812 | 112 | 11.229 | 751 | 12.21 Δ | 19.27 | 33.40 | 58.13 | 497 | 8.59 Δ | 13.55 | 23.48 | 40.85 | - | - | - | | | | |
| 66 | 2.35 | 34 | 3.409 | 80 | 8.020 | 744 | 7.62 | 12.02 | 20.83 | 36.24 | 493 | 5.32 | 8.40 | 14.55 | 25.31 | - | - | - | | | | |
| 67 | 2.37 | 38 | 3.810 | 90 | 9.023 | 738 | 9.68 | 15.28 | 26.47 | 46.06 | 489 | 6.78 | 10.69 | 18.51 | 32.21 | - | - | - | | | | |
| 68 | 2.40 | 30 | 3.008 | 72 | 7.218 | 729 | 5.78 • | 9.12 • | 15.80 • | - | 483 | 4.04 | 6.36 | 11.02 | - | - | - | - | | | | |
| 69 | 2.40 | 80 | 8.020 | 192 | 19.249 | 729 | - | 29.05 Δ | 50.42 | 87.82 | 483 | - | 20.95 Δ | 36.31 | 63.19 | - | - | - | | | | |
| 70 | 2.46 | 26 | 2.607 | 64 | 6.416 | 711 | 4.48 • | 7.07 • | - | - | 471 | 2.98 • | 4.71 • | - | - | - | - | - | | | | |

• Use this Sprocket at this Speed only if a reduction in belt life is acceptable.
 ▲ Driven sprocket is not available for belt width indicated; use next wider sprocket.



NOMINAL CENTER DISTANCES IN INCHES FOR VARIOUS BELT LENGTHS

| NOMINAL CENTER DISTANCES IN INCHES FOR VARIOUS BELT LENGTHS | | | | | | | | | | | | | | | | | | | | LINE No | |
|---|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|----|
| 640 | 720 | 800 | 880 | 960 | 1040 | 1120 | 1200 | 1280 | 1440 | 1600 | 1760 | 1800 | 2000 | 2400 | 2600 | 2800 | 3048 | 3280 | 3600 | 4400 | |
| .90 | | | | 1.00 | | | | 1.10 | | | | 1.20 | | | | | | | | | |
| 6.11 | 7.69 | 9.27 | 10.85 | 12.42 | 14.00 | 15.58 | 17.15 | 18.73 | 21.88 | 25.03 | 28.18 | 28.97 | 32.91 | 40.79 | 44.72 | 48.66 | 53.54 | 58.11 | 64.41 | 80.16 | 1 |
| - | - | - | - | - | 8.25 | 9.84 | 11.43 | 13.01 | 16.18 | 19.33 | 22.49 | 23.28 | 27.22 | 35.10 | 39.04 | 42.98 | 47.86 | 52.43 | 58.73 | 74.48 | 2 |
| 8.02 | 9.60 | 11.17 | 12.75 | 14.32 | 15.90 | 17.48 | 19.05 | 20.63 | 23.78 | 26.93 | 30.08 | 30.86 | 34.80 | 42.68 | 46.61 | 50.55 | 55.43 | 60.00 | 66.30 | 82.05 | 3 |
| 7.22 | 8.80 | 10.38 | 11.96 | 13.53 | 15.11 | 16.69 | 18.26 | 19.84 | 22.99 | 26.14 | 29.29 | 30.08 | 34.01 | 41.89 | 45.83 | 49.76 | 54.65 | 59.21 | 65.51 | 81.26 | 4 |
| - | - | - | - | 8.11 | 9.70 | 11.28 | 12.86 | 14.44 | 17.60 | 20.76 | 23.91 | 24.70 | 28.64 | 36.52 | 40.46 | 44.40 | 49.28 | 53.65 | 60.15 | 75.90 | 5 |
| 8.33 | 9.91 | 11.49 | 13.06 | 14.64 | 16.22 | 17.79 | 19.37 | 20.94 | 24.09 | 27.24 | 30.39 | 31.18 | 35.12 | 42.99 | 46.93 | 50.87 | 55.75 | 60.32 | 66.62 | 82.36 | 6 |
| - | - | 7.18 | 8.77 | 10.35 | 11.93 | 13.51 | 15.09 | 16.67 | 19.82 | 22.98 | 26.13 | 26.92 | 30.85 | 38.73 | 42.67 | 46.61 | 51.49 | 56.06 | 62.36 | 78.11 | 7 |
| 7.54 | 9.12 | 10.69 | 12.27 | 13.85 | 15.42 | 17.00 | 18.58 | 20.15 | 23.30 | 26.45 | 29.60 | 30.39 | 34.33 | 42.20 | 46.14 | 50.08 | 54.96 | 59.53 | 65.83 | 81.58 | 8 |
| 6.74 | 8.32 | 9.90 | 11.48 | 13.06 | 14.63 | 16.21 | 17.78 | 19.36 | 22.51 | 25.66 | 28.81 | 29.60 | 33.54 | 41.42 | 45.35 | 49.29 | 54.17 | 58.74 | 65.04 | 80.79 | 9 |
| 5.12 | 6.72 | 8.30 | 9.88 | 11.46 | 13.04 | 14.62 | 16.20 | 17.78 | 20.93 | 24.08 | 27.23 | 28.02 | 31.96 | 39.84 | 43.77 | 47.71 | 52.60 | 57.16 | 63.46 | 79.21 | 10 |
| 7.85 | 9.43 | 11.01 | 12.59 | 14.16 | 15.74 | 17.32 | 18.89 | 20.47 | 23.62 | 26.77 | 29.92 | 30.71 | 34.64 | 42.52 | 46.46 | 50.39 | 55.28 | 59.84 | 66.14 | 81.89 | 11 |
| 6.25 | 7.84 | 9.42 | 11.00 | 12.58 | 14.15 | 15.73 | 17.31 | 18.88 | 22.04 | 25.19 | 28.34 | 29.13 | 33.07 | 40.94 | 44.88 | 48.82 | 53.70 | 58.27 | 64.57 | 80.32 | 12 |
| - | - | - | 7.79 | 9.38 | 10.96 | 12.55 | 14.13 | 15.71 | 18.86 | 22.02 | 25.17 | 25.96 | 29.90 | 37.78 | 41.72 | 45.66 | 50.54 | 55.11 | 61.41 | 77.16 | 13 |
| 7.37 | 8.95 | 10.53 | 12.11 | 13.69 | 15.26 | 16.84 | 18.41 | 19.99 | 23.14 | 26.29 | 29.44 | 30.23 | 34.17 | 42.04 | 45.98 | 49.92 | 54.80 | 59.37 | 65.67 | 81.42 | 14 |
| 8.17 | 9.75 | 11.33 | 12.90 | 14.48 | 16.05 | 17.63 | 19.21 | 20.78 | 23.93 | 27.08 | 30.23 | 31.02 | 34.96 | 42.83 | 46.77 | 50.71 | 55.59 | 60.16 | 66.46 | 82.21 | 15 |
| 5.26 | 6.86 | 8.45 | 10.03 | 11.61 | 13.19 | 14.77 | 16.35 | 17.93 | 21.08 | 24.24 | 27.39 | 28.18 | 32.11 | 39.99 | 43.93 | 47.87 | 52.75 | 57.32 | 63.62 | 79.37 | 16 |
| - | - | - | - | - | - | - | - | 10.53 | 13.72 | 16.90 | 20.07 | 20.86 | 24.81 | 32.70 | 36.65 | 40.59 | 45.48 | 50.05 | 56.35 | 72.11 | 17 |
| 6.89 | 8.47 | 10.05 | 11.63 | 13.21 | 14.78 | 16.36 | 17.94 | 19.51 | 22.67 | 25.82 | 28.97 | 29.76 | 33.69 | 41.57 | 45.51 | 49.45 | 54.33 | 58.90 | 65.20 | 80.94 | 18 |
| 7.69 | 9.27 | 10.85 | 12.42 | 14.00 | 15.58 | 17.15 | 18.73 | 20.31 | 23.46 | 26.61 | 29.76 | 30.55 | 34.48 | 42.36 | 46.30 | 50.23 | 55.12 | 59.68 | 65.98 | 81.73 | 19 |
| 6.40 | 7.98 | 9.57 | 11.15 | 12.73 | 14.31 | 15.88 | 17.46 | 19.04 | 22.19 | 25.34 | 28.49 | 29.28 | 33.22 | 41.10 | 45.03 | 48.97 | 53.85 | 58.42 | 64.72 | 80.47 | 20 |
| - | 5.87 | 7.47 | 9.06 | 10.65 | 12.23 | 13.81 | 15.39 | 16.97 | 20.13 | 23.28 | 26.43 | 27.22 | 31.16 | 39.04 | 42.98 | 46.92 | 51.80 | 56.37 | 62.67 | 78.42 | 21 |
| - | - | - | - | 8.82 | 10.42 | 12.01 | 13.60 | 15.19 | 18.34 | 21.49 | 24.64 | 25.43 | 29.37 | 37.25 | 41.19 | 45.12 | 50.00 | 54.88 | 61.18 | 76.93 | 22 |
| 8.00 | 9.58 | 11.16 | 12.74 | 14.32 | 15.89 | 17.47 | 19.04 | 20.62 | 23.77 | 26.92 | 30.07 | 30.86 | 34.80 | 42.67 | 46.61 | 50.55 | 55.43 | 60.00 | 66.30 | 82.05 | 23 |
| - | - | 6.47 | 8.07 | 9.67 | 11.26 | 12.84 | 14.43 | 16.01 | 19.17 | 22.32 | 25.48 | 26.27 | 30.21 | 38.09 | 42.03 | 45.97 | 50.85 | 55.42 | 61.72 | 77.47 | 24 |
| 5.40 | 7.00 | 8.59 | 10.18 | 11.76 | 13.34 | 14.92 | 16.50 | 18.08 | 21.24 | 24.39 | 27.54 | 28.33 | 32.27 | 40.15 | 44.09 | 48.02 | 52.91 | 57.47 | 63.77 | 79.52 | 25 |
| 7.52 | 9.10 | 10.68 | 12.26 | 13.84 | 15.42 | 16.99 | 18.57 | 20.14 | 23.30 | 26.45 | 29.60 | 30.39 | 34.32 | 42.20 | 46.14 | 50.08 | 54.96 | 59.53 | 65.83 | 81.57 | 26 |
| - | - | 7.07 | 8.68 | 10.27 | 11.87 | 13.45 | 15.04 | 16.62 | 19.78 | 22.93 | 26.08 | 26.87 | 30.81 | 38.69 | 42.63 | 46.56 | 51.44 | 56.01 | 62.31 | 78.06 | 27 |
| - | 6.01 | 7.61 | 9.20 | 10.79 | 12.38 | 13.96 | 15.54 | 17.12 | 20.28 | 23.43 | 26.59 | 27.38 | 31.32 | 39.20 | 43.13 | 47.07 | 51.96 | 56.53 | 62.83 | 78.58 | 28 |
| 7.03 | 8.62 | 10.20 | 11.78 | 13.36 | 14.94 | 16.51 | 18.09 | 19.67 | 22.82 | 25.97 | 29.12 | 29.91 | 33.85 | 41.73 | 45.66 | 49.60 | 54.48 | 59.05 | 65.35 | 81.10 | 29 |
| 6.54 | 8.13 | 9.72 | 11.30 | 12.88 | 14.46 | 16.04 | 17.61 | 19.19 | 22.34 | 25.50 | 28.65 | 29.44 | 33.37 | 41.25 | 45.19 | 49.13 | 54.01 | 58.58 | 64.88 | 80.63 | 30 |
| 7.84 | 9.42 | 11.00 | 12.58 | 14.15 | 15.73 | 17.31 | 18.88 | 20.46 | 23.61 | 26.76 | 29.91 | 30.70 | 34.64 | 42.52 | 46.46 | 50.39 | 55.27 | 59.84 | 66.14 | 81.89 | 31 |
| 5.54 | 7.15 | 8.74 | 10.33 | 11.91 | 13.49 | 15.07 | 16.65 | 18.23 | 21.39 | 24.54 | 27.69 | 28.48 | 32.42 | 40.30 | 44.24 | 48.18 | 53.06 | 57.63 | 63.93 | 79.68 | 32 |
| - | - | - | - | - | - | 9.47 | 11.09 | 12.71 | 15.88 | 19.05 | 22.22 | 23.01 | 26.95 | 34.83 | 38.76 | 42.70 | 47.58 | 52.46 | 58.76 | 74.51 | 33 |
| - | 6.14 | 7.75 | 9.35 | 10.94 | 12.52 | 14.11 | 15.69 | 17.27 | 20.43 | 23.58 | 26.74 | 27.53 | 31.47 | 39.35 | 43.29 | 47.23 | 52.11 | 56.68 | 62.98 | 78.73 | 34 |
| - | - | 6.74 | 8.36 | 9.95 | 11.55 | 13.14 | 14.72 | 16.30 | 19.47 | 22.63 | 25.78 | 26.57 | 30.51 | 38.40 | 42.34 | 46.28 | 51.16 | 55.73 | 62.03 | 77.78 | 35 |
| - | - | - | - | - | - | - | - | - | - | 13.49 | 16.71 | 17.51 | 21.50 | 29.44 | 33.40 | 37.35 | 42.25 | 46.83 | 53.14 | 68.91 | 36 |
| 7.67 | 9.25 | 10.83 | 12.41 | 13.99 | 15.57 | 17.14 | 18.72 | 20.30 | 23.45 | 26.60 | 29.75 | 30.54 | 34.48 | 42.36 | 46.29 | 50.23 | 55.11 | 59.68 | 65.98 | 81.73 | 37 |
| - | - | - | 7.34 | 8.96 | 10.56 | 12.16 | 13.75 | 15.33 | 18.50 | 21.66 | 24.82 | 25.61 | 29.56 | 37.44 | 41.38 | 45.32 | 50.21 | 54.78 | 61.08 | 76.84 | 38 |
| 7.18 | 8.76 | 10.35 | 11.93 | 13.51 | 15.09 | 16.67 | 18.24 | 19.82 | 22.97 | 26.13 | 29.28 | 30.07 | 34.00 | 41.88 | 45.82 | 49.76 | 54.64 | 59.21 | 65.51 | 81.26 | 39 |
| 6.68 | 8.28 | 9.86 | 11.45 | 13.03 | 14.61 | 16.19 | 17.76 | 19.34 | 22.50 | 25.65 | 28.80 | 29.59 | 33.53 | 41.41 | 45.34 | 49.28 | 54.17 | 58.73 | 65.03 | 80.78 | 40 |
| 5.68 | 7.29 | 8.88 | 10.47 | 12.06 | 13.64 | 15.22 | 16.80 | 18.38 | 21.54 | 24.69 | 27.85 | 28.64 | 32.58 | 40.46 | 44.39 | 48.33 | 53.22 | 57.78 | 64.09 | 79.84 | 41 |
| - | - | - | - | 7.75 | 9.38 | 10.99 | 12.59 | 14.18 | 17.36 | 20.53 | 23.69 | 24.48 | 28.43 | 36.32 | 40.27 | 44.21 | 49.10 | 53.67 | 59.97 | 75.73 | 42 |
| - | 6.28 | 7.89 | 9.49 | 11.08 | 12.67 | 14.26 | 15.84 | 17.42 | 20.58 | 23.74 | 26.89 | 27.68 | 31.62 | 39.50 | 43.44 | 47.38 | 52.27 | 56.84 | 63.14 | 78.89 | 43 |
| - | - | 6.88 | 8.50 | 10.10 | 11.69 | 13.28 | 14.87 | 16.45 | 19.62 | 22.78 | 25.93 | 26.72 | 30.67 | 38.55 | 42.49 | 46.43 | 51.32 | 55.88 | 62.19 | 77.94 | 44 |
| 7.32 | 8.91 | 10.50 | 12.08 | 13.66 | 15.24 | 16.82 | 18.40 | 19.97 | 23.13 | 26.28 | 29.43 | 30.22 | 34.16 | 42.04 | 45.97 | 49.91 | 54.80 | 59.36 | 65.66 | 81.41 | 45 |
| 6.83 | 8.42 | 10.01 | 11.59 | 13.18 | 14.76 | 16.34 | 17.92 | 19.49 | 22.65 | 25.80 | 28.95 | 29.74 | 33.68 | 41.56 | 45.50 | 49.44 | 54.32 | 58.89 | 65.19 | 80.94 | 46 |
| 5.82 | 7.43 | 9.03 | 10.62 | 12.21 | 13.79 | 15.37 | 16.95 | 18.53 | 21.69 | 24.85 | 28.00 | 28.79 | 32.73 | 40.61 | 44.55 | 48.49 | 53.37 | 57.94 | 64.24 | 79.99 | 47 |
| - | 6.42 | 8.03 | 9.63 | 11.23 | 12.82 | 14.40 | 15.99 | 17.57 | 20.73 | 23.89 | 27.04 | 27.83 | 31.78 | 39.66 | 43.60 | 47.54 | 52.42 | 56.99 | 63.29 | 79.04 | 48 |
| - | - | 7.02 | 8.64 | 10.24 | 11.84 | 13.43 | 15.01 | 16.60 | 19.77 | 22.93 | 26.08 | 26.87 | 30.82 | 38.70 | 42.64 | 46.58 | 51.47 | 56.04 | 62.34 | 78.09 | 49 |
| - | - | - | 7.62 | 9.24 | 10.84 | 12.44 | 14.04 | 15.62 | 18.80 | 21.96 | 25.12 | 25.91 | 29.86 | 37.75 | 41.69 | 45.63 | 50.52 | 55.09 | 61.39 | 77.15 | 50 |
| - | - | - | - | - | - | - | 10.01 | 11.64 | 14.86 | 18.06 | 21.24 | 22.03 | 26.00 | 33.91 | 37.86 | 41.80 | 46.70 | 51.27 | 57.58 | 73.34 | 51 |
| - | - | - | - | - | - | - | - | - | 14.03 | 17.27 | 20.45 | 21.24 | 25.19 | 33.07 | 37.01 | 40.95 | 45.84 | 50.41 | 56.71 | 72.51 | 52 |
| - | - | - | - | 8.02 | 9.65 | 11.27 | 12.87 | 14.47 | 17.65 | 20.82 | 23.99 | 24.78 | 28.73 | 36.63 | 40.57 | 44.51 | 49.40 | 53.97 | 60.28 | 76.03 | 53 |
| - | - | - | 7.75 | 9.38 | 10.98 | 12.59 | 14.18 | 15.77 | 18.94 | 22.11 | 25.27 | 26.06 | 30.01 | 37.90 | 41.84 | 45.78 | 50.67 | 55.24 | 61.54 | 77.30 | 54 |
| - | - | 7.15 | 8.77 | 10.38 | 11.98 | 13.57 | 15.16 | 16.75 | 19.91 | 23.08 | 26.24 | 27.02 | 30.97 | 38.86 | 42.80 | 46.74 | 51.62 | 56.19 | 62.50 | 78.25 | 55 |
| - | 6.55 | 8.17 | 9.78 | 11.37 | 12.96 | 14.55 | 16.13 | 17.72 | 20.88 | 24.04 | 27.20 | 27.99 | 31.93 | 39.81 | 43.75 | 47.69 | 52.58 | 57.14 | 63.45 | 79.20 | 56 |
| 5.96 | 7.57 | | | | | | | | | | | | | | | | | | | | |

TABLE No. 1

| LINE No. | RATIO | SPROCKET COMBINATION | | | | DRIVEN SPEED AND HORSEPOWER | | | | | | | | | | | | |
|--|-------|----------------------|------------|-----------|------------|-----------------------------|-----------------|-------|-------|-------------------|------------|-----------------|-------|-------|------------|------|------|----|
| | | DRIVER | | DRIVEN | | HP PER BELT WIDTH | | | | HP PER BELT WIDTH | | | | 480 | 560 | 600 | | |
| | | No. TEETH | PITCH DIA. | No. TEETH | PITCH DIA. | DRIVEN RPM | 1750 RPM DRIVER | | | | DRIVEN RPM | 1160 RPM DRIVER | | | | | | |
| | | | | | | | 20 | 30 | 50 | 85 | | 20 | 30 | | | | 50 | 85 |
| Multiply HP Ratings by BELT LENGTH FACTOR → | | | | | | | | | | | | | | | .80 | | | |
| 1 | 2.50 | 32 | 3.208 | 80 | 8.020 | 700 | 6.67 | 10.53 | 18.24 | - | 464 | 4.66 | 7.35 | 12.73 | - | - | - | |
| 2 | 2.50 | 36 | 3.609 | 90 | 9.023 | 700 | 8.62 | 13.61 | 23.57 | 41.02 | 464 | 6.03 | 9.51 | 16.48 | 28.66 | - | - | |
| 3 | 2.55 | 22 | 2.206 | 56 | 5.614 | 686 | 3.80 | 6.00 | - | - | 454 | 2.53 | 3.99 | - | - | 4.57 | 5.40 | |
| 4 | 2.55 | 44 | 4.411 | 112 | 11.229 | 686 | 11.35 | 17.91 | 31.03 | 54.00 | 454 | 7.96 | 12.56 | 21.76 | 37.86 | - | - | |
| 5 | 2.57 | 28 | 2.807 | 72 | 7.218 | 680 | 4.95 | 7.81 | 13.53 | - | 451 | 3.45 | 5.44 | 9.43 | - | - | - | |
| 6 | 2.57 | 56 | 5.614 | 144 | 14.437 | 680 | - | 21.91 | 37.98 | 66.11 | 451 | - | 15.49 | 26.83 | 46.68 | - | - | |
| 7 | 2.65 | 34 | 3.409 | 90 | 9.023 | 660 | 7.62 | 12.02 | 20.83 | 36.24 | 437 | 5.32 | 8.40 | 14.55 | 25.31 | - | - | |
| 8 | 2.67 | 24 | 2.406 | 64 | 6.416 | 655 | 4.14 | 6.53 | - | - | 434 | 2.76 | 4.35 | - | - | - | - | |
| 9 | 2.67 | 30 | 3.008 | 80 | 8.020 | 655 | 5.78 | 9.12 | 15.80 | - | 434 | 4.04 | 6.36 | 11.02 | - | - | - | |
| 10 | 2.67 | 72 | 7.218 | 192 | 19.249 | 655 | - | 26.81 | 46.50 | 80.96 | 434 | - | 19.18 | 33.24 | 57.85 | - | - | |
| 11 | 2.77 | 26 | 2.607 | 72 | 7.218 | 631 | 4.48 | 7.07 | - | - | 418 | 2.98 | 4.71 | - | - | - | - | |
| 12 | 2.80 | 40 | 4.010 | 112 | 11.229 | 625 | 10.46 | 16.51 | 28.61 | 49.78 | 414 | 7.33 | 11.56 | 20.02 | 34.83 | - | - | |
| 13 | 2.81 | 32 | 3.208 | 90 | 9.023 | 622 | 6.67 | 10.53 | 18.24 | - | 412 | 4.66 | 7.35 | 12.73 | - | - | - | |
| 14 | 2.86 | 28 | 2.807 | 80 | 8.020 | 611 | 4.95 | 7.81 | 13.53 | - | 405 | 3.45 | 5.44 | 9.43 | - | - | - | |
| 15 | 2.91 | 22 | 2.206 | 64 | 6.416 | 601 | 3.80 | 6.00 | - | - | 398 | 2.53 | 3.99 | - | - | - | - | |
| 16 | 2.95 | 38 | 3.810 | 112 | 11.229 | 593 | 9.68 | 15.28 | 26.47 | 46.06 | 393 | 6.78 | 10.69 | 18.51 | 32.21 | - | - | |
| 17 | 3.00 | 24 | 2.406 | 72 | 7.218 | 583 | 4.14 | 6.53 | - | - | 386 | 2.76 | 4.35 | - | - | - | - | |
| 18 | 3.00 | 30 | 3.008 | 90 | 9.023 | 583 | 5.78 | 9.12 | 15.80 | - | 386 | 4.04 | 6.36 | 11.02 | - | - | - | |
| 19 | 3.00 | 48 | 4.812 | 144 | 14.437 | 583 | - | 19.27 | 33.40 | 58.13 | 386 | - | 13.55 | 23.48 | 40.85 | - | - | |
| 20 | 3.00 | 64 | 6.416 | 192 | 19.249 | 583 | - | 24.42 | 42.35 | 73.72 | 386 | - | 17.36 | 30.08 | 52.35 | - | - | |
| 21 | 3.08 | 26 | 2.607 | 80 | 8.020 | 568 | 4.48 | 7.07 | - | - | 376 | 2.98 | 4.71 | - | - | - | - | |
| 22 | 3.11 | 36 | 3.609 | 112 | 11.229 | 562 | 8.62 | 13.61 | 23.57 | 41.02 | 372 | 6.03 | 9.51 | 16.48 | 28.66 | - | - | |
| 23 | 3.21 | 28 | 2.807 | 90 | 9.023 | 545 | 4.95 | 7.81 | 13.53 | - | 361 | 3.45 | 5.44 | 9.43 | - | - | - | |
| 24 | 3.27 | 22 | 2.206 | 72 | 7.218 | 535 | 3.80 | 6.00 | - | - | 354 | 2.53 | 3.99 | - | - | - | - | |
| 25 | 3.27 | 44 | 4.411 | 144 | 14.437 | 535 | - | 17.91 | 31.03 | 54.00 | 354 | - | 12.56 | 21.76 | 37.86 | - | - | |
| 26 | 3.29 | 34 | 3.409 | 112 | 11.229 | 531 | 7.62 | 12.02 | 20.83 | 36.24 | 352 | 5.32 | 8.40 | 14.55 | 25.31 | - | - | |
| 27 | 3.33 | 24 | 2.406 | 80 | 8.020 | 525 | 4.14 | 6.53 | - | - | 348 | 2.76 | 4.35 | - | - | - | - | |
| 28 | 3.43 | 56 | 5.614 | 192 | 19.249 | 510 | - | 21.91 | 37.98 | 66.11 | 338 | - | 15.49 | 26.83 | 46.68 | - | - | |
| 29 | 3.46 | 26 | 2.607 | 90 | 9.023 | 505 | 4.48 | 7.07 | - | - | 335 | 2.98 | 4.71 | - | - | - | - | |
| 30 | 3.50 | 32 | 3.208 | 112 | 11.229 | 500 | 6.67 | 10.53 | 18.24 | - | 331 | 4.66 | 7.35 | 12.73 | - | - | - | |
| 31 | 3.60 | 40 | 4.010 | 144 | 14.437 | 486 | - | 16.51 | 28.61 | 49.78 | 322 | - | 11.56 | 20.02 | 34.83 | - | - | |
| 32 | 3.64 | 22 | 2.206 | 80 | 8.020 | 480 | 3.80 | 6.00 | - | - | 318 | 2.53 | 3.99 | - | - | - | - | |
| 33 | 3.73 | 30 | 3.008 | 112 | 11.229 | 469 | 5.78 | 9.12 | 15.80 | - | 310 | 4.04 | 6.36 | 11.02 | - | - | - | |
| 34 | 3.75 | 24 | 2.406 | 90 | 9.023 | 466 | 4.14 | 6.53 | - | - | 309 | 2.76 | 4.35 | - | - | - | - | |
| 35 | 3.79 | 38 | 3.810 | 144 | 14.437 | 461 | - | 15.28 | 26.47 | 46.06 | 306 | - | 10.69 | 18.51 | 32.21 | - | - | |
| 36 | 4.00 | 28 | 2.807 | 112 | 11.229 | 437 | 4.95 | 7.81 | 13.53 | - | 290 | 3.45 | 5.44 | 9.43 | - | - | - | |
| 37 | 4.00 | 36 | 3.609 | 144 | 14.437 | 437 | - | 13.61 | 23.57 | 41.02 | 290 | - | 9.51 | 16.48 | 28.66 | - | - | |
| 38 | 4.00 | 48 | 4.812 | 192 | 19.249 | 437 | - | 19.27 | 33.40 | 58.13 | 290 | - | 13.55 | 23.48 | 40.85 | - | - | |
| 39 | 4.09 | 22 | 2.206 | 90 | 9.023 | 427 | 3.80 | 6.00 | - | - | 283 | 2.53 | 3.99 | - | - | - | - | |
| 40 | 4.24 | 34 | 3.409 | 144 | 14.437 | 412 | - | 12.02 | 20.83 | 36.24 | 273 | - | 8.40 | 14.55 | 25.31 | - | - | |
| 41 | 4.31 | 26 | 2.607 | 112 | 11.229 | 406 | 4.48 | 7.07 | - | - | 269 | 2.98 | 4.71 | - | - | - | - | |
| 42 | 4.36 | 44 | 4.411 | 192 | 19.249 | 401 | - | 17.91 | 31.03 | 54.00 | 266 | - | 12.56 | 21.76 | 37.86 | - | - | |
| 43 | 4.50 | 32 | 3.208 | 144 | 14.437 | 388 | - | 10.53 | 18.24 | - | 257 | - | 7.35 | 12.73 | - | - | - | |
| 44 | 4.67 | 24 | 2.406 | 112 | 11.229 | 374 | 4.14 | 6.53 | - | - | 248 | 2.76 | 4.35 | - | - | - | - | |
| 45 | 4.80 | 30 | 3.008 | 144 | 14.437 | 364 | - | 9.12 | 15.80 | - | 241 | - | 6.36 | 11.02 | - | - | - | |
| 46 | 4.80 | 40 | 4.010 | 192 | 19.249 | 364 | - | 16.51 | 28.61 | 49.78 | 241 | - | 11.56 | 20.02 | 34.83 | - | - | |
| 47 | 5.05 | 38 | 3.810 | 192 | 19.249 | 346 | - | 15.28 | 26.47 | 46.06 | 229 | - | 10.69 | 18.51 | 32.21 | - | - | |
| 48 | 5.09 | 22 | 2.206 | 112 | 11.229 | 343 | 3.80 | 6.00 | - | - | 227 | 2.53 | 3.99 | - | - | - | - | |
| 49 | 5.14 | 28 | 2.807 | 144 | 14.437 | 340 | - | 7.81 | 13.53 | - | 225 | - | 5.44 | 9.43 | - | - | - | |
| 50 | 5.33 | 36 | 3.609 | 192 | 19.249 | 328 | - | 13.61 | 23.57 | 41.02 | 217 | - | 9.51 | 16.48 | 28.66 | - | - | |
| 51 | 5.54 | 26 | 2.607 | 144 | 14.437 | 315 | - | 7.07 | - | - | 209 | - | 4.71 | - | - | - | - | |
| 52 | 5.65 | 34 | 3.409 | 192 | 19.249 | 309 | - | 12.02 | 20.83 | 36.24 | 205 | - | 8.40 | 14.55 | 25.31 | - | - | |
| 53 | 6.00 | 24 | 2.406 | 144 | 14.437 | 291 | - | 6.53 | - | - | 193 | - | 4.35 | - | - | - | - | |
| 54 | 6.00 | 32 | 3.208 | 192 | 19.249 | 291 | - | 10.53 | 18.24 | - | 193 | - | 7.35 | 12.73 | - | - | - | |
| 55 | 6.40 | 30 | 3.008 | 192 | 19.249 | 273 | - | 9.12 | 15.80 | - | 181 | - | 6.36 | 11.02 | - | - | - | |
| 56 | 6.55 | 22 | 2.206 | 144 | 14.437 | 267 | - | 6.00 | - | - | 177 | - | 3.99 | - | - | - | - | |
| 57 | 6.86 | 28 | 2.807 | 192 | 19.249 | 255 | - | 7.81 | 13.53 | - | 169 | - | 5.44 | 9.43 | - | - | - | |
| 58 | 7.38 | 26 | 2.607 | 192 | 19.249 | 237 | - | 7.07 | - | - | 157 | - | 4.71 | - | - | - | - | |
| 59 | 8.00 | 24 | 2.406 | 192 | 19.249 | 218 | - | 6.53 | - | - | 145 | - | 4.35 | - | - | - | - | |
| 60 | 8.73 | 22 | 2.206 | 192 | 19.249 | 200 | - | 6.00 | - | - | 132 | - | 3.99 | - | - | - | - | |

• Use this Sprocket at this Speed only if a reduction in belt life is acceptable.
 ▲ Driven sprocket is not available for belt width indicated; use next wider sprocket.
 ■ Both above notes apply.



| NOMINAL CENTER DISTANCES IN INCHES FOR VARIOUS BELT LENGTHS | | | | | | | | | | | | | | | | | | | | LINE No. | | |
|---|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|-------|----|
| 640 | 720 | 800 | 880 | 960 | 1040 | 1120 | 1200 | 1280 | 1440 | 1600 | 1760 | 1800 | 2000 | 2400 | 2600 | 2800 | 3048 | 3280 | 3600 | | 4400 | |
| - | - | 6.49 | 8.15 | 9.79 | 11.40 | 13.01 | 14.61 | 16.20 | 19.38 | 22.55 | 25.72 | 26.51 | 30.46 | 38.36 | 42.30 | 46.24 | 51.13 | 55.70 | 62.01 | 77.76 | 1 | |
| - | - | 6.88 | 8.55 | 10.20 | 11.82 | 13.43 | 15.04 | 18.23 | 21.41 | 24.58 | 25.37 | 29.33 | 37.23 | 41.18 | 45.12 | 50.01 | 54.58 | 60.89 | 76.65 | 2 | | |
| 6.23 | 7.85 | 9.46 | 11.05 | 12.64 | 14.23 | 15.82 | 17.40 | 18.98 | 22.14 | 25.30 | 28.46 | 29.25 | 33.19 | 41.07 | 45.01 | 48.95 | 53.84 | 58.40 | 64.71 | 80.46 | 3 | |
| - | - | - | - | - | 9.14 | 10.81 | 12.45 | 15.70 | 18.91 | 22.11 | 22.90 | 26.88 | 34.80 | 38.76 | 42.71 | 47.60 | 52.18 | 58.49 | 74.26 | 4 | | |
| - | 5.89 | 7.56 | 9.19 | 10.80 | 12.41 | 14.00 | 15.60 | 17.19 | 20.36 | 23.52 | 26.69 | 27.48 | 31.42 | 39.31 | 43.26 | 47.20 | 52.08 | 56.65 | 62.96 | 78.71 | 5 | |
| - | - | - | - | - | - | - | - | - | 11.79 | 15.11 | 18.38 | 19.19 | 23.21 | 31.19 | 35.17 | 39.13 | 44.04 | 48.63 | 54.95 | 70.74 | 6 | |
| - | - | - | 7.01 | 8.69 | 10.33 | 11.96 | 13.57 | 15.18 | 18.37 | 21.56 | 24.73 | 25.52 | 29.48 | 37.38 | 41.33 | 45.27 | 50.16 | 54.74 | 61.04 | 76.81 | 7 | |
| 5.30 | 6.96 | 8.59 | 10.20 | 11.80 | 13.40 | 14.99 | 16.58 | 18.16 | 21.33 | 24.49 | 27.65 | 28.44 | 32.38 | 40.27 | 44.21 | 48.15 | 53.04 | 57.61 | 63.91 | 79.66 | 8 | |
| - | - | 6.62 | 8.29 | 9.93 | 11.54 | 13.15 | 14.75 | 16.35 | 19.53 | 22.70 | 25.87 | 26.66 | 30.61 | 38.51 | 42.45 | 46.39 | 51.28 | 55.85 | 62.16 | 77.92 | 9 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | 17.57 | 25.77 | 29.80 | 33.81 | 38.76 | 43.37 | 49.73 | 65.56 | 10 | |
| - | 6.02 | 7.69 | 9.33 | 10.94 | 12.55 | 14.15 | 15.74 | 17.33 | 20.50 | 23.67 | 26.83 | 27.62 | 31.57 | 39.46 | 43.41 | 47.35 | 52.24 | 56.81 | 63.11 | 78.87 | 11 | |
| - | - | - | - | - | 9.40 | 11.07 | 12.72 | 15.98 | 19.20 | 22.39 | 23.19 | 27.17 | 35.10 | 39.05 | 43.01 | 47.90 | 52.48 | 58.79 | 74.57 | 12 | | |
| - | - | - | 7.13 | 8.82 | 10.47 | 12.10 | 13.71 | 15.32 | 18.52 | 21.70 | 24.88 | 25.67 | 29.63 | 37.53 | 41.48 | 45.42 | 50.32 | 54.89 | 61.20 | 76.96 | 13 | |
| - | - | 6.75 | 8.42 | 10.06 | 11.68 | 13.29 | 14.90 | 16.49 | 19.67 | 22.85 | 26.02 | 26.81 | 30.76 | 38.66 | 42.60 | 46.55 | 51.44 | 56.01 | 62.31 | 78.07 | 14 | |
| 5.42 | 7.09 | 8.73 | 10.34 | 11.94 | 13.54 | 15.13 | 16.72 | 18.31 | 21.48 | 24.64 | 27.80 | 28.59 | 32.53 | 40.42 | 44.36 | 48.30 | 53.19 | 57.76 | 64.06 | 79.82 | 15 | |
| - | - | - | - | - | 9.52 | 11.21 | 12.86 | 16.12 | 19.34 | 22.54 | 23.33 | 27.31 | 35.24 | 39.20 | 43.15 | 48.05 | 52.63 | 58.95 | 74.72 | 16 | | |
| - | 6.15 | 7.82 | 9.46 | 11.08 | 12.69 | 14.29 | 15.89 | 17.48 | 20.65 | 23.82 | 26.98 | 27.77 | 31.72 | 39.62 | 43.56 | 47.50 | 52.39 | 56.96 | 63.27 | 79.02 | 17 | |
| - | - | - | 7.26 | 8.95 | 10.60 | 12.23 | 13.85 | 15.46 | 18.66 | 21.85 | 25.02 | 25.81 | 29.78 | 37.68 | 41.63 | 45.58 | 50.47 | 55.04 | 61.35 | 77.11 | 18 | |
| - | - | - | - | - | - | - | - | 12.30 | 15.65 | 18.93 | 19.74 | 23.77 | 31.77 | 35.75 | 39.72 | 44.63 | 49.22 | 55.55 | 71.34 | 19 | | |
| - | - | - | - | - | - | - | - | - | - | - | - | 13.81 | 18.09 | 26.32 | 30.36 | 34.37 | 39.33 | 43.95 | 50.31 | 66.16 | 20 | |
| - | - | 6.88 | 8.55 | 10.20 | 11.82 | 13.43 | 15.04 | 16.64 | 19.82 | 23.00 | 26.16 | 26.96 | 30.91 | 38.81 | 42.75 | 46.70 | 51.59 | 56.16 | 62.47 | 78.23 | 21 | |
| - | - | - | - | 7.92 | 9.65 | 11.34 | 12.99 | 16.25 | 19.48 | 22.68 | 23.48 | 27.46 | 35.39 | 39.35 | 43.30 | 48.20 | 52.78 | 59.10 | 74.87 | 22 | | |
| - | - | - | 7.39 | 9.08 | 10.74 | 12.37 | 13.99 | 15.60 | 18.80 | 21.99 | 25.17 | 25.96 | 29.92 | 37.83 | 41.78 | 45.73 | 50.62 | 55.19 | 61.50 | 77.27 | 23 | |
| - | 6.28 | 7.96 | 9.60 | 11.22 | 12.83 | 14.43 | 16.03 | 17.62 | 20.80 | 23.97 | 27.13 | 27.92 | 31.87 | 39.77 | 43.71 | 47.66 | 52.54 | 57.12 | 63.42 | 79.18 | 24 | |
| - | - | - | - | - | - | - | - | 12.56 | 15.91 | 19.20 | 20.01 | 24.05 | 32.06 | 36.04 | 40.01 | 44.93 | 49.52 | 55.85 | 71.64 | 25 | | |
| - | - | - | - | 8.04 | 9.78 | 11.47 | 13.13 | 16.39 | 19.62 | 22.82 | 23.62 | 27.60 | 35.54 | 39.50 | 43.45 | 48.35 | 52.93 | 59.25 | 75.02 | 26 | | |
| - | - | 7.00 | 8.69 | 10.33 | 11.96 | 13.57 | 15.18 | 16.78 | 19.97 | 23.14 | 26.31 | 27.10 | 31.06 | 38.96 | 42.91 | 46.85 | 51.74 | 56.31 | 62.62 | 78.38 | 27 | |
| - | - | - | - | - | - | - | - | - | - | - | 13.42 | 14.31 | 18.61 | 26.86 | 30.91 | 34.94 | 39.90 | 44.53 | 50.89 | 66.75 | 28 | |
| - | - | - | 7.51 | 9.21 | 10.87 | 12.51 | 14.13 | 15.74 | 18.95 | 22.14 | 25.31 | 26.11 | 30.07 | 37.98 | 41.93 | 45.88 | 50.77 | 55.35 | 61.65 | 77.42 | 29 | |
| - | - | - | - | 8.17 | 9.91 | 11.60 | 13.26 | 16.53 | 19.76 | 22.96 | 23.76 | 27.75 | 35.69 | 39.65 | 43.60 | 48.50 | 53.08 | 59.40 | 75.18 | 30 | | |
| - | - | - | - | - | - | - | - | 12.81 | 16.18 | 19.47 | 20.28 | 24.33 | 32.34 | 36.33 | 40.30 | 45.22 | 49.81 | 56.14 | 71.95 | 31 | | |
| - | - | 7.13 | 8.82 | 10.47 | 12.10 | 13.71 | 15.32 | 16.92 | 20.11 | 23.29 | 26.46 | 27.25 | 31.21 | 39.11 | 43.06 | 47.00 | 51.89 | 56.47 | 62.77 | 78.53 | 32 | |
| - | - | - | - | 8.29 | 10.04 | 11.73 | 13.39 | 16.67 | 19.90 | 23.11 | 23.91 | 27.89 | 35.83 | 39.79 | 43.75 | 48.65 | 53.23 | 59.55 | 75.33 | 33 | | |
| - | - | - | 7.64 | 9.34 | 11.00 | 12.64 | 14.27 | 15.88 | 19.09 | 22.28 | 25.46 | 26.25 | 30.22 | 38.13 | 42.08 | 46.03 | 50.92 | 55.50 | 61.81 | 77.57 | 34 | |
| - | - | - | - | - | - | - | - | 12.94 | 16.31 | 19.60 | 20.42 | 24.47 | 32.49 | 36.47 | 40.45 | 45.37 | 49.96 | 56.29 | 72.10 | 35 | | |
| - | - | - | - | 8.41 | 10.16 | 11.86 | 13.53 | 16.80 | 20.04 | 23.25 | 24.05 | 28.04 | 35.98 | 39.94 | 43.90 | 48.80 | 53.38 | 59.70 | 75.48 | 36 | | |
| - | - | - | - | - | - | - | 9.52 | 13.07 | 16.44 | 19.74 | 20.56 | 24.61 | 32.63 | 36.62 | 40.59 | 45.51 | 50.11 | 56.44 | 72.25 | 37 | | |
| - | - | - | - | - | - | - | - | - | - | - | 13.91 | 14.81 | 19.13 | 27.41 | 31.47 | 35.50 | 40.47 | 45.10 | 51.47 | 67.34 | 38 | |
| - | - | 5.98 | 7.77 | 9.47 | 11.14 | 12.78 | 14.41 | 16.02 | 19.23 | 22.42 | 25.61 | 26.40 | 30.37 | 38.28 | 42.23 | 46.18 | 51.07 | 55.65 | 61.96 | 77.73 | 39 | |
| - | - | - | - | - | - | - | 9.64 | 13.19 | 16.57 | 19.87 | 20.69 | 24.75 | 32.77 | 36.76 | 40.74 | 45.66 | 50.26 | 56.59 | 72.40 | 40 | | |
| - | - | - | - | 8.54 | 10.29 | 11.99 | 13.66 | 16.94 | 20.18 | 23.39 | 24.19 | 28.18 | 36.13 | 40.09 | 44.05 | 48.95 | 53.53 | 59.85 | 75.63 | 41 | | |
| - | - | - | - | - | - | - | - | - | - | - | 14.16 | 15.05 | 19.39 | 27.68 | 31.74 | 35.78 | 40.75 | 45.39 | 51.76 | 67.64 | 42 | |
| - | - | - | - | - | - | - | 9.76 | 13.32 | 16.71 | 20.01 | 20.83 | 24.89 | 32.92 | 36.90 | 40.88 | 45.81 | 50.40 | 56.74 | 72.55 | 43 | | |
| - | - | - | - | 8.66 | 10.42 | 12.12 | 13.79 | 17.07 | 20.32 | 23.53 | 24.33 | 28.32 | 36.27 | 40.24 | 44.20 | 49.10 | 53.68 | 60.00 | 75.78 | 44 | | |
| - | - | - | - | - | - | - | 9.89 | 13.45 | 16.84 | 20.14 | 20.96 | 25.03 | 33.06 | 37.05 | 41.03 | 45.95 | 50.55 | 56.89 | 72.70 | 45 | | |
| - | - | - | - | - | - | - | - | - | - | - | 14.40 | 15.30 | 19.64 | 27.95 | 32.02 | 36.06 | 41.04 | 45.67 | 52.05 | 67.93 | 46 | |
| - | - | - | - | - | - | - | - | - | - | - | 14.53 | 15.43 | 19.77 | 28.08 | 32.16 | 36.20 | 41.18 | 45.82 | 52.20 | 68.08 | 47 | |
| - | - | - | - | 8.78 | 10.54 | 12.25 | 13.92 | 17.21 | 20.45 | 23.67 | 24.47 | 28.47 | 36.42 | 40.38 | 44.34 | 49.25 | 53.83 | 60.15 | 75.94 | 48 | | |
| - | - | - | - | - | - | - | 10.01 | 13.57 | 16.97 | 20.28 | 21.10 | 25.16 | 33.20 | 37.19 | 41.17 | 46.10 | 50.70 | 57.03 | 72.85 | 49 | | |
| - | - | - | - | - | - | - | - | - | - | - | 14.65 | 15.55 | 19.90 | 28.22 | 32.29 | 36.33 | 41.32 | 45.96 | 52.34 | 68.22 | 50 | |
| - | - | - | - | - | - | - | - | 10.13 | 13.70 | 17.10 | 20.41 | 21.23 | 25.30 | 33.34 | 37.33 | 41.32 | 46.24 | 50.85 | 57.18 | 73.00 | 51 | |
| - | - | - | - | - | - | - | - | - | - | - | 14.77 | 15.67 | 20.03 | 28.35 | 32.43 | 36.47 | 41.46 | 46.10 | 52.48 | 68.37 | 52 | |
| - | - | - | - | - | - | - | 10.25 | 13.83 | 17.23 | 20.55 | 21.37 | 25.44 | 33.48 | 37.48 | 41.46 | 46.39 | 50.99 | 57.33 | 73.15 | 53 | | |
| - | - | - | - | - | - | - | - | - | - | - | 14.89 | 15.80 | 20.16 | 28.49 | 32.57 | 36.61 | 41.60 | 46.24 | 52.63 | 68.52 | 54 | |
| - | - | - | - | - | - | - | - | - | - | - | 15.01 | 15.92 | 20.28 | 28.62 | 32.70 | 36.75 | 41.74 | 46.39 | 52.77 | 68.66 | 55 | |
| - | - | - | - | - | - | - | 10.37 | 13.95 | 17.36 | 20.68 | 21.50 | 25.58 | 33.63 | 37.62 | 41.61 | 46.54 | 51.14 | 57.48 | 73.30 | 56 | | |
| - | - | - | - | - | - | - | - | - | - | - | 15.14 | 16.04 | 20.41 | 28.76 | 32.84 | 36.89 | 41.88 | 46.53 | 52.92 | 68.81 | 57 | |
| - | - | - | - | - | - | - | - | - | - | - | 11.44 | 15.26 | 16.16 | 20.54 | 28.89 | 32.98 | 37.03 | 42.02 | 46.67 | 53.06 | 68.96 | 58 |
| - | - | - | - | - | - | - | - | - | - | - | 11.56 | 15.38 | 16.29 | 20.67 | 29.03 | 33.11 | 37.17 | 42.16 | 46.81 | 53.20 | 69.10 | 59 |
| - | - | - | - | - | - | - | - | - | - | - | 11.67 | 15.50 | 16.41 | 20.79 | 29.16 | 33.25 | 37.31 | 42.30 | 46.95 | 53.35 | 69.25 | 60 |

TABLE No. 1

| LINE No. | RATIO | SPROCKET COMBINATION | | | | DRIVEN SPEED AND HORSEPOWER | | | | | | | | | | | | | |
|--|-------|----------------------|------------|-----------|------------|-----------------------------|-------------------|-------|--------|--------|-----------------|------------|-------------------|-------|--------|--------|--------|-------|-------|
| | | DRIVER | | DRIVEN | | 1750 RPM DRIVER | | | | | 1160 RPM DRIVER | | | | | 966 | 1190 | | |
| | | No. TEETH | PITCH DIA. | No. TEETH | PITCH DIA. | DRIVEN RPM | HP PER BELT WIDTH | | | | | DRIVEN RPM | HP PER BELT WIDTH | | | | | | |
| | | | | | | | 40 | 55 | 85 | 115 | 170 | | 40 | 55 | 85 | | | 115 | 170 |
| Multiply HP Ratings by BELT LENGTH FACTOR → .80 | | | | | | | | | | | | | | | | | | | |
| 1 | 1.00 | 28 | 4.9126 | 28 | 4.9126 | 1750 | 21.67 | 32.43 | 53.94 | 75.45 | - | 1160 | 17.12 | 25.56 | 42.46 | 59.36 | - | 11.30 | 15.71 |
| 2 | 1.00 | 29 | 5.0880 | 29 | 5.0880 | 1750 | 23.30 | 34.86 | 57.99 | 81.13 | - | 1160 | 18.45 | 27.56 | 45.77 | 63.99 | - | 11.03 | 15.44 |
| 3 | 1.00 | 30 | 5.2635 | 30 | 5.2635 | 1750 | 24.95 | 37.35 | 62.13 | 86.91 | - | 1160 | 19.82 | 29.60 | 49.17 | 68.74 | - | 10.75 | 15.16 |
| 4 | 1.00 | 32 | 5.6144 | 32 | 5.6144 | 1750 | 28.36 | 42.45 | 70.63 | 98.81 | - | 1160 | 22.65 | 33.83 | 56.20 | 78.57 | - | 10.20 | 14.61 |
| 5 | 1.00 | 34 | 5.9653 | 34 | 5.9653 | 1750 | 31.88 | 47.73 | 79.42 | 111.12 | - | 1160 | 25.60 | 38.25 | 63.54 | 88.83 | - | 9.65 | 14.06 |
| 6 | 1.00 | 36 | 6.3162 | 36 | 6.3162 | 1750 | 35.49 | 53.15 | 88.47 | 123.79 | 188.54 | 1160 | 28.67 | 42.83 | 71.16 | 99.49 | 151.43 | 9.10 | 13.51 |
| 7 | 1.00 | 38 | 6.6671 | 38 | 6.6671 | 1750 | 37.86 | 56.72 | 94.43 | 132.14 | 201.28 | 1160 | 30.79 | 46.00 | 76.44 | 106.87 | 162.67 | 8.55 | 12.96 |
| 8 | 1.00 | 40 | 7.0180 | 40 | 7.0180 | 1750 | 39.44 | 59.11 | 98.46 | 137.80 | 209.94 | 1160 | 32.32 | 48.30 | 80.26 | 112.23 | 170.82 | 8.00 | 12.41 |
| 9 | 1.00 | 44 | 7.7198 | 44 | 7.7198 | 1750 | 42.48 | 63.74 | 106.25 | 148.76 | 226.69 | 1160 | 35.37 | 52.87 | 87.89 | 122.90 | 187.09 | - | 11.31 |
| 10 | 1.00 | 48 | 8.4216 | 48 | 8.4216 | 1750 | 45.34 | 68.11 | 113.64 | 159.18 | 242.66 | 1160 | 38.39 | 57.42 | 95.47 | 133.52 | 203.29 | - | 10.20 |
| 11 | 1.00 | 52 | 9.1234 | 52 | 9.1234 | 1750 | 47.76 | 71.83 | 119.99 | 168.15 | 256.43 | 1160 | 41.19 | 61.62 | 102.50 | 143.37 | 218.31 | - | - |
| 12 | 1.00 | 56 | 9.8252 | 56 | 9.8252 | 1750 | 49.90 | 75.18 | 125.73 | 176.28 | 268.97 | 1160 | 43.89 | 65.71 | 109.33 | 152.95 | 232.93 | - | - |
| 13 | 1.00 | 60 | 10.5270 | 60 | 10.5270 | 1750 | 51.79 | 78.17 | 130.92 | 183.67 | 280.38 | 1160 | 46.54 | 69.70 | 116.03 | 162.35 | 247.28 | - | - |
| 14 | 1.00 | 64 | 11.2288 | 64 | 11.2288 | 1750 | 53.42 | 80.79 | 135.52 | 190.26 | 290.60 | 1160 | 49.12 | 73.61 | 122.59 | 171.56 | 261.35 | - | - |
| 15 | 1.00 | 68 | 11.9306 | 68 | 11.9306 | 1750 | 54.77 | 83.02 | 139.51 | 196.00 | 299.56 | 1160 | 51.63 | 77.42 | 128.99 | 180.56 | 275.11 | - | - |
| 16 | 1.00 | 72 | 12.6324 | 72 | 12.6324 | 1750 | 55.83 | 84.83 | 142.84 | 200.85 | 307.20 | 1160 | 54.07 | 81.12 | 135.22 | 189.33 | 288.52 | - | - |
| 17 | 1.00 | 80 | 14.0360 | 80 | 14.0360 | 1750 | 56.98 | 87.12 | 147.40 | 207.68 | 318.20 | 1160 | 58.67 | 88.16 | 147.14 | 206.11 | 314.23 | - | - |
| 18 | 1.03 | 29 | 5.0880 | 30 | 5.2635 | 1699 | 23.30 | 34.86 | 57.99 | 81.13 | - | 1126 | 18.45 | 27.56 | 45.77 | 63.99 | - | 10.89 | 15.30 |
| 19 | 1.04 | 28 | 4.9126 | 29 | 5.0880 | 1682 | 21.67 | 32.43 | 53.94 | 75.45 | - | 1115 | 17.12 | 25.56 | 42.46 | 59.36 | - | 11.16 | 15.57 |
| 20 | 1.05 | 38 | 6.6671 | 40 | 7.0180 | 1666 | 37.86 | 56.72 | 94.43 | 132.14 | 201.28 | 1104 | 30.79 | 46.00 | 76.44 | 106.87 | 162.67 | 8.27 | 12.68 |
| 21 | 1.06 | 32 | 5.6144 | 34 | 5.9653 | 1650 | 28.36 | 42.45 | 70.63 | 98.81 | - | 1094 | 22.65 | 33.83 | 56.20 | 78.57 | - | 9.92 | 14.33 |
| 22 | 1.06 | 34 | 5.9653 | 36 | 6.3162 | 1650 | 31.88 | 47.73 | 79.42 | 111.12 | - | 1094 | 25.60 | 38.25 | 63.54 | 88.83 | - | 9.37 | 13.78 |
| 23 | 1.06 | 36 | 6.3162 | 38 | 6.6671 | 1650 | 35.49 | 53.15 | 88.47 | 123.79 | 188.54 | 1094 | 28.67 | 42.83 | 71.16 | 99.49 | 151.43 | 8.82 | 13.23 |
| 24 | 1.06 | 64 | 11.2288 | 68 | 11.9306 | 1650 | 53.42 | 80.79 | 135.52 | 190.26 | 290.60 | 1094 | 49.12 | 73.61 | 122.59 | 171.56 | 261.35 | - | - |
| 25 | 1.06 | 68 | 11.9306 | 72 | 12.6324 | 1650 | 54.77 | 83.02 | 139.51 | 196.00 | 299.56 | 1094 | 51.63 | 77.42 | 128.99 | 180.56 | 275.11 | - | - |
| 26 | 1.07 | 28 | 4.9126 | 30 | 5.2635 | 1635 | 21.67 | 32.43 | 53.94 | 75.45 | - | 1084 | 17.12 | 25.56 | 42.46 | 59.36 | - | 11.03 | 15.44 |
| 27 | 1.07 | 30 | 5.2635 | 32 | 5.6144 | 1635 | 24.95 | 37.35 | 62.13 | 86.91 | - | 1084 | 19.82 | 29.60 | 49.17 | 68.74 | - | 10.48 | 14.89 |
| 28 | 1.07 | 56 | 9.8252 | 60 | 10.5270 | 1635 | 49.90 | 75.18 | 125.73 | 176.28 | 268.97 | 1084 | 43.89 | 65.71 | 109.33 | 152.95 | 232.93 | - | - |
| 29 | 1.07 | 60 | 10.5270 | 64 | 11.2288 | 1635 | 51.79 | 78.17 | 130.92 | 183.67 | 280.38 | 1084 | 46.54 | 69.70 | 116.03 | 162.35 | 247.28 | - | - |
| 30 | 1.08 | 48 | 8.4216 | 52 | 9.1234 | 1620 | 45.34 | 68.11 | 113.64 | 159.18 | 242.66 | 1074 | 38.39 | 57.42 | 95.47 | 133.52 | 203.29 | - | 9.65 |
| 31 | 1.08 | 52 | 9.1234 | 56 | 9.8252 | 1620 | 47.76 | 71.83 | 119.99 | 168.15 | 256.43 | 1074 | 41.19 | 61.62 | 102.50 | 143.37 | 218.31 | - | - |
| 32 | 1.09 | 44 | 7.7198 | 48 | 8.4216 | 1605 | 42.48 | 63.74 | 106.25 | 148.76 | 226.69 | 1064 | 35.37 | 52.87 | 87.89 | 122.90 | 187.09 | - | 10.75 |
| 33 | 1.10 | 29 | 5.0880 | 32 | 5.6144 | 1590 | 23.30 | 34.86 | 57.99 | 81.13 | - | 1054 | 18.45 | 27.56 | 45.77 | 63.99 | - | 10.61 | 15.02 |
| 34 | 1.10 | 40 | 7.0180 | 44 | 7.7198 | 1590 | 39.44 | 59.11 | 98.46 | 137.80 | 209.94 | 1054 | 32.32 | 48.30 | 80.26 | 112.23 | 170.82 | - | 11.85 |
| 35 | 1.11 | 36 | 6.3162 | 40 | 7.0180 | 1576 | 35.49 | 53.15 | 88.47 | 123.79 | 188.54 | 1045 | 28.67 | 42.83 | 71.16 | 99.49 | 151.43 | 8.54 | 12.95 |
| 36 | 1.11 | 72 | 12.6324 | 80 | 14.0360 | 1576 | 55.83 | 84.83 | 142.84 | 200.85 | 307.20 | 1045 | 54.07 | 81.12 | 135.22 | 189.33 | 288.52 | - | - |
| 37 | 1.12 | 32 | 5.6144 | 36 | 6.3162 | 1562 | 28.36 | 42.45 | 70.63 | 98.81 | - | 1035 | 22.65 | 33.83 | 56.20 | 78.57 | - | 9.64 | 14.06 |
| 38 | 1.12 | 34 | 5.9653 | 38 | 6.6671 | 1562 | 31.88 | 47.73 | 79.42 | 111.12 | - | 1035 | 25.60 | 38.25 | 63.54 | 88.83 | - | 9.09 | 13.50 |
| 39 | 1.12 | 64 | 11.2288 | 72 | 12.6324 | 1562 | 53.42 | 80.79 | 135.52 | 190.26 | 290.60 | 1035 | 49.12 | 73.61 | 122.59 | 171.56 | 261.35 | - | - |
| 40 | 1.12 | 80 | 14.0360 | 90 | 15.7905 | 1562 | 56.98 | 87.12 | 147.40 | 207.68 | 318.20 | 1035 | 58.67 | 88.16 | 147.14 | 206.11 | 314.23 | - | - |
| 41 | 1.13 | 30 | 5.2635 | 34 | 5.9653 | 1548 | 24.95 | 37.35 | 62.13 | 86.91 | - | 1026 | 19.82 | 29.60 | 49.17 | 68.74 | - | 10.20 | 14.61 |
| 42 | 1.13 | 60 | 10.5270 | 68 | 11.9306 | 1548 | 51.79 | 78.17 | 130.92 | 183.67 | 280.38 | 1026 | 46.54 | 69.70 | 116.03 | 162.35 | 247.28 | - | - |
| 43 | 1.14 | 28 | 4.9126 | 32 | 5.6144 | 1535 | 21.67 | 32.43 | 53.94 | 75.45 | - | 1017 | 17.12 | 25.56 | 42.46 | 59.36 | - | 10.75 | 15.16 |
| 44 | 1.14 | 56 | 9.8252 | 64 | 11.2288 | 1535 | 49.90 | 75.18 | 125.73 | 176.28 | 268.97 | 1017 | 43.89 | 65.71 | 109.33 | 152.95 | 232.93 | - | - |
| 45 | 1.15 | 52 | 9.1234 | 60 | 10.5270 | 1521 | 47.76 | 71.83 | 119.99 | 168.15 | 256.43 | 1008 | 41.19 | 61.62 | 102.50 | 143.37 | 218.31 | - | - |
| 46 | 1.16 | 38 | 6.6671 | 44 | 7.7198 | 1508 | 37.86 | 56.72 | 94.43 | 132.14 | 201.28 | 1000 | 30.79 | 46.00 | 76.44 | 106.87 | 162.67 | 7.70 | 12.12 |
| 47 | 1.17 | 29 | 5.0880 | 34 | 5.9653 | 1495 | 23.30 | 34.86 | 57.99 | 81.13 | - | 991 | 18.45 | 27.56 | 45.77 | 63.99 | - | 10.33 | 14.74 |
| 48 | 1.17 | 48 | 8.4216 | 56 | 9.8252 | 1495 | 45.34 | 68.11 | 113.64 | 159.18 | 242.66 | 991 | 38.39 | 57.42 | 95.47 | 133.52 | 203.29 | - | - |
| 49 | 1.18 | 34 | 5.9653 | 40 | 7.0180 | 1483 | 31.88 | 47.73 | 79.42 | 111.12 | - | 983 | 25.60 | 38.25 | 63.54 | 88.83 | - | 8.81 | 13.22 |
| 50 | 1.18 | 44 | 7.7198 | 52 | 9.1234 | 1483 | 42.48 | 63.74 | 106.25 | 148.76 | 226.69 | 983 | 35.37 | 52.87 | 87.89 | 122.90 | 187.09 | - | 10.18 |
| 51 | 1.18 | 68 | 11.9306 | 80 | 14.0360 | 1483 | 54.77 | 83.02 | 139.51 | 196.00 | 299.56 | 983 | 51.63 | 77.42 | 128.99 | 180.56 | 275.11 | - | - |
| 52 | 1.19 | 32 | 5.6144 | 38 | 6.6671 | 1470 | 28.36 | 42.45 | 70.63 | 98.81 | - | 974 | 22.65 | 33.83 | 56.20 | 78.57 | - | 9.36 | 13.77 |
| 53 | 1.20 | 30 | 5.2635 | 36 | 6.3162 | 1458 | 24.95 | 37.35 | 62.13 | 86.91 | - | 966 | 19.82 | 29.60 | 49.17 | 68.74 | - | 9.91 | 14.33 |
| 54 | 1.20 | 40 | 7.0180 | 48 | 8.4216 | 1458 | 39.44 | 59.11 | 98.46 | 137.80 | 209.94 | 966 | 32.32 | 48.30 | 80.26 | 112.23 | 170.82 | - | 11.28 |
| 55 | 1.20 | 60 | 10.5270 | 72 | 12.6324 | 1458 | 51.79 | 78.17 | 130.92 | 183.67 | 280.38 | 966 | 46.54 | 69.70 | 116.03 | 162.35 | 247.28 | - | - |
| 56 | 1.21 | 28 | 4.9126 | 34 | 5.9653 | 1446 | 21.67 | 32.43 | 53.94 | 75.45 | - | 958 | 17.12 | 25.56 | 42.46 | 59.36 | - | 10.46 | 14.88 |
| 57 | 1.21 | 56 | 9.8252 | 68 | 11.9306 | 1446 | 49.90 | 75.18 | 125.73 | 176.28 | 268.97 | 958 | 43.89 | 65.71 | 109.33 | 152.95 | 232.93 | - | - |
| 58 | 1.22 | 36 | 6.3162 | 44 | 7.7198 | 1434 | 35.49 | 53.15 | 88.47 | 123.79 | 188.54 | 950 | 28.67 | 42.83 | 71.16 | 99.49 | 151.43 | 7.97 | 12.39 |
| 59 | 1.23 | 52 | 9.1234 | 64 | 11.2288 | 1422 | 47.76 | 71.83 | 119.99 | 168.15 | 256.43 | 943 | 41.19 | 61.62 | 102.50 | 143.37 | 218.31 | - | - |
| 60 | 1.24 | 29 | 5.0880 | 36 | 6.3162 | 1411 | 23.30 | 34.86 | 57.99 | 81.13 | - | 935 | 18.45 | 27.56 | 45.77 | 63.99 | - | 10.04 | 14.46 |
| 61 | 1.25 | 32 | 5.6144 | 40 | 7.0180 | 1400 | 28.36 | 42.45 | 70.63 | 98.81 | - | 928 | 22.65 | 33.83 | 56.20 | 78.57 | - | 9.07 | 13.49 |
| 62 | 1.25 | 48 | 8.4216 | 60 | 10.5270 | 1400 | 45.34 | 68.11 | 113.64 | 159.18 | 242.66 | 928 | 38.39 | 57.42 | 95.47 | 133.52 | 203.29 | - | - |
| | | | | | | | | | | | | | | | | | | | |

NOMINAL CENTER DISTANCES IN INCHES FOR VARIOUS BELT LENGTHS

| 1400 | 1610 | 1778 | 1890 | 2100 | 2310 | 2450 | 2590 | 2800 | 3150 | 3360 | 3500 | 3850 | 4326 | 4578 | 4956 | 5320 | 5740 | 6160 | 6860 | LINE No. | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|----------|--|--|
| 90 | | 95 | | | 1.00 | | | 1.05 | | | | | 1.10 | | | | | | | | | |
| 19.85 | 23.98 | 27.29 | 29.49 | 33.63 | 37.76 | 40.52 | 43.27 | 47.41 | 54.30 | 58.43 | 61.19 | 68.07 | 77.45 | 82.41 | 89.85 | 97.01 | 105.28 | 113.55 | 127.33 | 1 | | |
| 19.57 | 23.70 | 27.01 | 29.22 | 33.35 | 37.48 | 40.24 | 43.00 | 47.13 | 54.02 | 58.15 | 60.91 | 67.80 | 77.17 | 82.13 | 89.57 | 96.74 | 105.00 | 113.27 | 127.05 | 2 | | |
| 19.30 | 23.43 | 26.74 | 28.94 | 33.08 | 37.21 | 39.96 | 42.72 | 46.85 | 53.74 | 57.88 | 60.63 | 67.52 | 76.89 | 81.85 | 89.30 | 96.46 | 104.73 | 113.00 | 126.78 | 3 | | |
| 18.74 | 22.88 | 26.19 | 28.39 | 32.52 | 36.66 | 39.41 | 42.17 | 46.30 | 53.19 | 57.33 | 60.08 | 66.97 | 76.34 | 81.30 | 88.74 | 95.91 | 104.18 | 112.45 | 126.23 | 4 | | |
| 18.19 | 22.33 | 25.63 | 27.84 | 31.97 | 36.11 | 38.86 | 41.62 | 45.75 | 52.64 | 56.78 | 59.53 | 66.42 | 75.79 | 80.75 | 88.19 | 95.36 | 103.63 | 111.89 | 125.67 | 5 | | |
| 17.64 | 21.78 | 25.08 | 27.29 | 31.42 | 35.56 | 38.31 | 41.07 | 45.20 | 52.09 | 56.23 | 58.98 | 65.87 | 75.24 | 80.20 | 87.64 | 94.81 | 103.08 | 111.34 | 125.12 | 6 | | |
| 17.09 | 21.23 | 24.53 | 26.74 | 30.87 | 35.01 | 37.76 | 40.52 | 44.65 | 51.54 | 55.67 | 58.43 | 65.32 | 74.69 | 79.65 | 87.09 | 94.26 | 102.53 | 110.79 | 124.57 | 7 | | |
| 16.54 | 20.67 | 23.98 | 26.19 | 30.32 | 34.45 | 37.21 | 39.97 | 44.10 | 50.99 | 55.12 | 57.88 | 64.77 | 74.14 | 79.10 | 86.54 | 93.71 | 101.97 | 110.24 | 124.02 | 8 | | |
| 15.44 | 19.57 | 22.88 | 25.08 | 29.22 | 33.35 | 36.11 | 38.86 | 43.00 | 49.89 | 54.02 | 56.78 | 63.67 | 73.04 | 78.00 | 85.44 | 92.60 | 100.87 | 109.14 | 122.92 | 9 | | |
| 14.34 | 18.47 | 21.78 | 23.98 | 28.12 | 32.25 | 35.01 | 37.76 | 41.90 | 48.79 | 52.92 | 55.68 | 62.57 | 71.94 | 76.90 | 84.34 | 91.50 | 99.77 | 108.04 | 121.82 | 10 | | |
| 13.24 | 17.37 | 20.68 | 22.88 | 27.02 | 31.15 | 33.90 | 36.66 | 40.79 | 47.68 | 51.82 | 54.57 | 61.46 | 70.83 | 75.79 | 83.24 | 90.40 | 98.67 | 106.94 | 120.72 | 11 | | |
| 12.13 | 16.27 | 19.57 | 21.78 | 25.91 | 30.05 | 32.80 | 35.56 | 39.69 | 46.58 | 50.72 | 53.47 | 60.36 | 69.73 | 74.69 | 82.13 | 89.30 | 97.57 | 105.83 | 119.61 | 12 | | |
| 11.03 | 15.17 | 18.47 | 20.68 | 24.81 | 28.95 | 31.70 | 34.46 | 38.59 | 45.48 | 49.61 | 52.37 | 59.26 | 68.63 | 73.59 | 81.03 | 88.20 | 96.47 | 104.73 | 118.51 | 13 | | |
| - | 14.06 | 17.37 | 19.58 | 23.71 | 27.84 | 30.60 | 33.36 | 37.49 | 44.38 | 48.51 | 51.27 | 58.16 | 67.53 | 72.49 | 79.93 | 87.10 | 95.36 | 103.63 | 117.41 | 14 | | |
| - | 12.96 | 16.27 | 18.47 | 22.61 | 26.74 | 29.50 | 32.25 | 36.39 | 43.28 | 47.41 | 50.17 | 57.06 | 66.43 | 71.39 | 78.83 | 85.99 | 94.26 | 102.53 | 116.31 | 15 | | |
| - | - | 15.17 | 17.37 | 21.51 | 25.64 | 28.40 | 31.15 | 35.29 | 42.18 | 46.31 | 49.07 | 55.95 | 65.33 | 70.29 | 77.73 | 84.89 | 93.16 | 101.43 | 115.21 | 16 | | |
| - | - | - | 15.17 | 19.30 | 23.44 | 26.19 | 28.95 | 33.08 | 39.97 | 44.11 | 46.86 | 53.75 | 63.12 | 68.08 | 75.52 | 82.69 | 90.96 | 99.22 | 113.00 | 17 | | |
| 19.43 | 23.57 | 26.87 | 29.08 | 33.21 | 37.35 | 40.10 | 42.86 | 46.99 | 53.88 | 58.02 | 60.77 | 67.66 | 77.03 | 81.99 | 89.43 | 96.60 | 104.87 | 113.13 | 126.91 | 18 | | |
| 19.71 | 23.84 | 27.15 | 29.35 | 33.49 | 37.62 | 40.38 | 43.13 | 47.27 | 54.16 | 58.29 | 61.05 | 67.94 | 77.31 | 82.27 | 89.71 | 96.87 | 105.14 | 113.41 | 127.19 | 19 | | |
| 16.82 | 20.95 | 24.26 | 26.46 | 30.60 | 34.73 | 37.49 | 40.24 | 44.38 | 51.27 | 55.40 | 58.15 | 65.04 | 74.41 | 79.38 | 86.82 | 93.98 | 102.25 | 110.52 | 124.30 | 20 | | |
| 18.47 | 22.60 | 25.91 | 28.11 | 32.25 | 36.38 | 39.14 | 41.89 | 46.03 | 52.92 | 57.05 | 59.81 | 66.70 | 76.07 | 81.03 | 88.47 | 95.63 | 103.90 | 112.17 | 125.95 | 21 | | |
| 17.92 | 22.05 | 25.36 | 27.56 | 31.70 | 35.83 | 38.59 | 41.34 | 45.48 | 52.37 | 56.50 | 59.26 | 66.15 | 75.52 | 80.48 | 87.92 | 95.08 | 103.35 | 111.62 | 125.40 | 22 | | |
| 17.37 | 21.50 | 24.81 | 27.01 | 31.15 | 35.28 | 38.04 | 40.79 | 44.93 | 51.82 | 55.95 | 58.71 | 65.60 | 74.97 | 79.93 | 87.37 | 94.53 | 102.80 | 111.07 | 124.85 | 23 | | |
| - | 13.51 | 16.82 | 19.02 | 23.16 | 27.29 | 30.05 | 32.80 | 36.94 | 43.83 | 47.96 | 50.72 | 57.61 | 66.98 | 71.94 | 79.38 | 86.54 | 94.81 | 103.08 | 116.86 | 24 | | |
| - | - | 15.71 | 17.92 | 22.05 | 26.19 | 28.94 | 31.70 | 35.83 | 42.72 | 46.86 | 49.61 | 56.50 | 65.87 | 70.84 | 78.28 | 85.44 | 93.71 | 101.98 | 115.76 | 25 | | |
| 19.57 | 23.70 | 27.01 | 29.22 | 33.35 | 37.48 | 40.24 | 43.00 | 47.13 | 54.02 | 58.15 | 60.91 | 67.80 | 77.17 | 82.13 | 89.57 | 96.74 | 105.00 | 113.27 | 127.05 | 26 | | |
| 19.02 | 23.15 | 26.46 | 28.67 | 32.80 | 36.93 | 39.69 | 42.44 | 46.58 | 53.47 | 57.60 | 60.36 | 67.25 | 76.62 | 81.58 | 89.02 | 96.19 | 104.45 | 112.72 | 126.50 | 27 | | |
| 11.58 | 15.71 | 19.02 | 21.23 | 25.36 | 29.49 | 32.25 | 35.01 | 39.14 | 46.03 | 50.16 | 52.92 | 59.81 | 69.18 | 74.14 | 81.58 | 88.75 | 97.02 | 105.28 | 119.06 | 28 | | |
| - | 14.61 | 17.92 | 20.12 | 24.26 | 28.39 | 31.15 | 33.90 | 38.04 | 44.93 | 49.06 | 51.82 | 58.71 | 68.08 | 73.04 | 80.48 | 87.65 | 95.91 | 104.18 | 117.96 | 29 | | |
| 13.78 | 17.92 | 21.22 | 23.43 | 27.56 | 31.70 | 34.45 | 37.21 | 41.34 | 48.23 | 52.37 | 55.12 | 62.01 | 71.38 | 76.34 | 83.79 | 90.95 | 99.22 | 107.49 | 121.27 | 30 | | |
| 12.68 | 16.81 | 20.12 | 22.33 | 26.46 | 30.60 | 33.35 | 36.11 | 40.24 | 47.13 | 51.27 | 54.02 | 60.91 | 70.28 | 75.24 | 82.68 | 89.85 | 98.12 | 106.39 | 120.16 | 31 | | |
| 14.88 | 19.02 | 22.33 | 24.53 | 28.67 | 32.80 | 35.56 | 38.31 | 42.45 | 49.34 | 53.47 | 56.23 | 63.12 | 72.49 | 77.45 | 84.89 | 92.05 | 100.32 | 108.59 | 122.37 | 32 | | |
| 19.16 | 23.29 | 26.60 | 28.80 | 32.94 | 37.07 | 39.83 | 42.58 | 46.72 | 53.61 | 57.74 | 60.50 | 67.39 | 76.76 | 81.72 | 89.16 | 96.32 | 104.59 | 112.86 | 126.64 | 33 | | |
| 15.99 | 20.12 | 23.43 | 25.63 | 29.77 | 33.90 | 36.66 | 39.41 | 43.55 | 50.44 | 54.57 | 57.33 | 64.22 | 73.59 | 78.55 | 85.99 | 93.16 | 101.42 | 109.69 | 123.47 | 34 | | |
| 17.09 | 21.22 | 24.53 | 26.74 | 30.87 | 35.01 | 37.76 | 40.52 | 44.65 | 51.54 | 55.67 | 58.43 | 65.32 | 74.69 | 79.65 | 87.09 | 94.26 | 102.52 | 110.79 | 124.57 | 35 | | |
| - | - | 14.05 | 16.26 | 20.39 | 24.53 | 27.28 | 30.04 | 34.18 | 41.07 | 45.20 | 47.96 | 54.85 | 64.22 | 69.18 | 76.62 | 83.79 | 92.06 | 100.32 | 114.10 | 36 | | |
| 18.19 | 22.32 | 25.63 | 27.84 | 31.97 | 36.11 | 38.86 | 41.62 | 45.75 | 52.64 | 56.78 | 59.53 | 66.42 | 75.79 | 80.75 | 88.19 | 95.36 | 103.63 | 111.89 | 125.67 | 37 | | |
| 17.64 | 21.77 | 25.08 | 27.29 | 31.42 | 35.55 | 38.31 | 41.07 | 45.20 | 52.09 | 56.22 | 58.98 | 65.87 | 75.24 | 80.20 | 87.64 | 94.81 | 103.08 | 111.34 | 125.12 | 38 | | |
| - | 12.94 | 16.25 | 18.46 | 22.60 | 26.73 | 29.49 | 32.25 | 36.38 | 43.27 | 47.41 | 50.16 | 57.05 | 66.42 | 71.38 | 78.83 | 85.99 | 94.26 | 102.53 | 116.31 | 39 | | |
| - | - | - | - | 17.90 | 22.04 | 24.80 | 27.56 | 31.69 | 38.58 | 42.72 | 45.48 | 52.37 | 61.74 | 66.70 | 74.14 | 81.31 | 89.57 | 97.84 | 111.62 | 40 | | |
| 18.74 | 22.88 | 26.18 | 28.39 | 32.52 | 36.66 | 39.41 | 42.17 | 46.30 | 53.19 | 57.33 | 60.08 | 66.97 | 76.34 | 81.30 | 88.74 | 95.91 | 104.18 | 112.45 | 126.22 | 41 | | |
| - | 14.05 | 17.36 | 19.56 | 23.70 | 27.83 | 30.59 | 33.35 | 37.48 | 44.37 | 48.51 | 51.26 | 58.15 | 67.53 | 72.49 | 79.93 | 87.09 | 95.36 | 103.63 | 117.41 | 42 | | |
| 19.29 | 23.43 | 26.73 | 28.94 | 33.07 | 37.21 | 39.96 | 42.72 | 46.85 | 53.74 | 57.88 | 60.63 | 67.52 | 76.89 | 81.85 | 89.30 | 96.46 | 104.73 | 113.00 | 126.78 | 43 | | |
| 11.01 | 15.15 | 18.46 | 20.67 | 24.80 | 28.94 | 31.69 | 34.45 | 38.58 | 45.48 | 49.61 | 52.37 | 59.26 | 68.63 | 73.59 | 81.03 | 88.19 | 96.46 | 104.73 | 118.51 | 44 | | |
| 12.11 | 16.25 | 19.56 | 21.77 | 25.90 | 30.04 | 32.80 | 35.55 | 39.69 | 46.58 | 50.71 | 53.47 | 60.36 | 69.73 | 74.69 | 82.13 | 89.30 | 97.56 | 105.83 | 119.61 | 45 | | |
| 16.26 | 20.39 | 23.70 | 25.91 | 30.04 | 34.17 | 36.93 | 39.69 | 43.82 | 50.71 | 54.85 | 57.60 | 64.49 | 73.86 | 78.82 | 86.26 | 93.43 | 101.70 | 109.97 | 123.75 | 46 | | |
| 18.88 | 23.01 | 26.32 | 28.52 | 32.66 | 36.79 | 39.55 | 42.31 | 46.44 | 53.33 | 57.46 | 60.22 | 67.11 | 76.48 | 81.44 | 88.88 | 96.05 | 104.31 | 112.58 | 126.36 | 47 | | |
| 13.22 | 17.36 | 20.66 | 22.87 | 27.01 | 31.14 | 33.90 | 36.65 | 40.79 | 47.68 | 51.81 | 54.57 | 61.46 | 70.83 | 75.79 | 83.23 | 90.40 | 98.67 | 106.93 | 120.71 | 48 | | |
| 17.36 | 21.49 | 24.80 | 27.01 | 31.14 | 35.28 | 38.03 | 40.79 | 44.92 | 51.81 | 55.95 | 58.70 | 65.59 | 74.96 | 79.92 | 87.37 | 94.53 | 102.80 | 111.07 | 124.85 | 49 | | |
| 14.32 | 18.46 | 21.77 | 23.97 | 28.11 | 32.24 | 35.00 | 37.76 | 41.89 | 48.78 | 52.92 | 55.67 | 62.56 | 71.93 | 76.89 | 84.33 | 91.50 | 99.77 | 108.04 | 121.82 | 50 | | |
| - | - | 14.58 | 16.79 | 20.93 | 25.07 | 27.82 | 30.58 | 34.72 | 41.61 | 45.75 | 48.50 | 55.39 | 64.77 | 69.73 | 77.17 | 84.33 | 92.60 | 100.87 | 114.65 | 51 | | |
| 17.91 | 22.05 | 25.35 | 27.56 | 31.69 | 35.83 | 38.58 | 41.34 | 45.47 | 52.36 | 56.50 | 59.25 | 66.14 | 75.52 | 80.48 | 87.92 | 95.08 | 103.35 | 111.62 | 125.40 | 52 | | |
| 18.46 | 22.60 | 25.90 | 28.11 | 32.24 | 36.38 | 39.13 | 41.89 | 46.03 | 52.92 | 57.05 | 59.81 | 66.70 | 76.07 | 81.03 | 88.47 | 95.63 | 103.90 | 112.17 | 125.95 | 53 | | |
| 15.42 | 19.56 | 22.87 | 25.07 | 29.21 | 33.35 | 36.10 | 38.86 | 42.99 | 49.88 | 54.02 | 56.77 | 63.66 | 73.03 | 78.00 | 85.44 | 92.60 | 100.87 | 109.14 | 122.92 | 54 | | |
| - | 13.47 | 16.79 | 19.00 | 23.13 | 27.27 | 30.03 | 32.79 | 36.92 | 43.82 | 47.95 | 50.71 | 57.60 | 66.97 | 71.93 | 79.37 | 86.54 | 94.81 | 103.07 | 116.86 | 55 | | |
| 19.01 | 23.15 | 26.46 | 28.66 | 32.80 | 36.93 | 39.69 | 42.44 | 46.58 | 53.47 | 57.60 | 60.36 | 67.25 | 76.62 | 81.58 | 89.02 | 96.18 | 104.45 | 112.72 | 126.50 | 56 | | |
| - | 14.58 | 17.89 | 20.10 | 24.24 | 28.37 | 31.13 | 33.89 | 38.03 | 44.92 | 49.05 | 51.81 | 58.7 | | | | | | | | | | |

TABLE No. 1

| LINE No. | RATIO | SPROCKET COMBINATION | | | | DRIVEN SPEED AND HORSEPOWER | | | | | | | | | | | | 966 | 1190 |
|---|-------|----------------------|-----------|-----------|-----------|-----------------------------|-------------------|-------|--------|--------|-----------------|-------------|-------------------|-------|--------|--------|--------|-------|-------|
| | | DRIVER | | DRIVEN | | 1750 RPM DRIVER | | | | | 1160 RPM DRIVER | | | | | | | | |
| | | No. TEETH | PITCH DIA | No. TEETH | PITCH DIA | DRIV-EN RPM | HP PER BELT WIDTH | | | | | DRIV-EN RPM | HP PER BELT WIDTH | | | | | | |
| | | | | | | | 40 | 55 | 85 | 115 | 170 | | 40 | 55 | 85 | 115 | 170 | | |
| Multiply HP Ratings by BELT LENGTH FACTOR → | | | | | | | | | | | | | | | | | .80 | | |
| 1 | 1.27 | 30 | 5.2635 | 38 | 6.6671 | 1377 | 24.95 | 37.35 | 62.13 | 86.91 | - | 913 | 19.82 | 29.60 | 49.17 | 68.74 | - | 9.62 | 14.04 |
| 2 | 1.27 | 44 | 7.7198 | 56 | 9.8252 | 1377 | 42.48 | 63.74 | 106.25 | 148.76 | 226.69 | 913 | 35.37 | 52.87 | 87.89 | 122.90 | 187.09 | - | 9.59 |
| 3 | 1.29 | 28 | 4.9126 | 36 | 6.3162 | 1356 | 21.67 | 32.43 | 53.94 | 75.45 | - | 899 | 17.12 | 25.56 | 42.46 | 59.36 | - | 10.18 | 14.59 |
| 4 | 1.29 | 34 | 5.9653 | 44 | 7.7198 | 1356 | 31.88 | 47.73 | 79.42 | 111.12 | - | 899 | 25.60 | 38.25 | 63.54 | 88.83 | - | 8.23 | 12.65 |
| 5 | 1.29 | 56 | 9.8252 | 72 | 12.6324 | 1356 | 49.90 | 75.18 | 125.73 | 176.28 | 268.97 | 899 | 43.89 | 65.71 | 109.33 | 152.95 | 232.93 | - | - |
| 6 | 1.30 | 40 | 7.0180 | 52 | 9.1234 | 1346 | 39.44 | 59.11 | 98.46 | 137.80 | 209.94 | 892 | 32.32 | 48.30 | 80.26 | 112.23 | 170.82 | - | 10.70 |
| 7 | 1.31 | 29 | 5.0880 | 38 | 6.6671 | 1335 | 23.30 | 34.86 | 57.99 | 81.13 | - | 885 | 18.45 | 27.56 | 45.77 | 63.99 | - | 9.76 | 14.18 |
| 8 | 1.31 | 52 | 9.1234 | 68 | 11.9306 | 1335 | 47.76 | 71.83 | 119.99 | 168.15 | 256.43 | 885 | 41.19 | 61.62 | 102.50 | 143.37 | 218.31 | - | - |
| 9 | 1.32 | 68 | 11.9306 | 90 | 15.7905 | 1325 | 54.77 | 83.02 | 139.51 | 196.00 | 299.56 | 878 | 51.63 | 77.42 | 128.99 | 180.56 | 275.11 | - | - |
| 10 | 1.33 | 30 | 5.2635 | 40 | 7.0180 | 1315 | 24.95 | 37.35 | 62.13 | 86.91 | - | 872 | 19.82 | 29.60 | 49.17 | 68.74 | - | 9.33 | 13.76 |
| 11 | 1.33 | 36 | 6.3162 | 48 | 8.4216 | 1315 | 35.49 | 53.15 | 88.47 | 123.79 | 188.54 | 872 | 28.67 | 42.83 | 71.16 | 99.49 | 151.43 | - | 11.81 |
| 12 | 1.33 | 48 | 8.4216 | 64 | 11.2288 | 1315 | 45.34 | 68.11 | 113.64 | 159.18 | 242.66 | 872 | 38.39 | 57.42 | 95.47 | 133.52 | 203.29 | - | - |
| 13 | 1.33 | 60 | 10.5270 | 80 | 14.0360 | 1315 | 51.79 | 78.17 | 130.92 | 183.67 | 280.38 | 872 | 46.54 | 69.70 | 116.03 | 162.35 | 247.28 | - | - |
| 14 | 1.36 | 28 | 4.9126 | 38 | 6.6671 | 1286 | 21.67 | 32.43 | 53.94 | 75.45 | - | 852 | 17.12 | 25.56 | 42.46 | 59.36 | - | 9.89 | 14.31 |
| 15 | 1.36 | 44 | 7.7198 | 60 | 10.5270 | 1286 | 42.48 | 63.74 | 106.25 | 148.76 | 226.69 | 852 | 35.37 | 52.87 | 87.89 | 122.90 | 187.09 | - | - |
| 16 | 1.37 | 32 | 5.6144 | 44 | 7.7198 | 1277 | 28.36 | 42.45 | 70.63 | 98.81 | - | 846 | 22.65 | 33.83 | 56.20 | 78.57 | - | 8.48 | 12.92 |
| 17 | 1.37 | 38 | 6.6671 | 52 | 9.1234 | 1277 | 37.86 | 56.72 | 94.43 | 132.14 | 201.28 | 846 | 30.79 | 46.00 | 76.44 | 106.87 | 162.67 | - | 10.96 |
| 18 | 1.38 | 29 | 5.0880 | 40 | 7.0180 | 1268 | 23.30 | 34.86 | 57.99 | 81.13 | - | 840 | 18.45 | 27.56 | 45.77 | 63.99 | - | 9.46 | 13.89 |
| 19 | 1.38 | 52 | 9.1234 | 72 | 12.6324 | 1268 | 47.76 | 71.83 | 119.99 | 168.15 | 256.43 | 840 | 41.19 | 61.62 | 102.50 | 143.37 | 218.31 | - | - |
| 20 | 1.40 | 40 | 7.0180 | 56 | 9.8252 | 1250 | 39.44 | 59.11 | 98.46 | 137.80 | 209.94 | 828 | 32.32 | 48.30 | 80.26 | 112.23 | 170.82 | - | 10.11 |
| 21 | 1.40 | 80 | 14.0360 | 112 | 19.6504 | 1250 | 56.98 | 87.12 | 147.40 | 207.68 | 318.20 | 828 | 58.67 | 88.16 | 147.14 | 206.11 | 314.23 | - | - |
| 22 | 1.41 | 34 | 5.9653 | 48 | 8.4216 | 1241 | 31.88 | 47.73 | 79.42 | 111.12 | - | 822 | 25.60 | 38.25 | 63.54 | 88.83 | - | 7.62 | 12.07 |
| 23 | 1.41 | 64 | 11.2288 | 90 | 15.7905 | 1241 | 53.42 | 80.79 | 135.52 | 190.26 | 290.60 | 822 | 49.12 | 73.61 | 122.59 | 171.56 | 261.35 | - | - |
| 24 | 1.42 | 48 | 8.4216 | 68 | 11.9306 | 1232 | 45.34 | 68.11 | 113.64 | 159.18 | 242.66 | 816 | 38.39 | 57.42 | 95.47 | 133.52 | 203.29 | - | - |
| 25 | 1.43 | 28 | 4.9126 | 40 | 7.0180 | 1223 | 21.67 | 32.43 | 53.94 | 75.45 | - | 811 | 17.12 | 25.56 | 42.46 | 59.36 | - | 9.59 | 14.02 |
| 26 | 1.43 | 56 | 9.8252 | 80 | 14.0360 | 1223 | 49.90 | 75.18 | 125.73 | 176.28 | 268.97 | 811 | 43.89 | 65.71 | 109.33 | 152.95 | 232.93 | - | - |
| 27 | 1.44 | 36 | 6.3162 | 52 | 9.1234 | 1215 | 35.49 | 53.15 | 88.47 | 123.79 | 188.54 | 805 | 28.67 | 42.83 | 71.16 | 99.49 | 151.43 | - | 11.22 |
| 28 | 1.45 | 44 | 7.7198 | 64 | 11.2288 | 1206 | 42.48 | 63.74 | 106.25 | 148.76 | 226.69 | 800 | 35.37 | 52.87 | 87.89 | 122.90 | 187.09 | - | - |
| 29 | 1.47 | 30 | 5.2635 | 44 | 7.7198 | 1190 | 24.95 | 37.35 | 62.13 | 86.91 | - | 789 | 19.82 | 29.60 | 49.17 | 68.74 | - | 8.74 | 13.18 |
| 30 | 1.47 | 38 | 6.6671 | 56 | 9.8252 | 1190 | 37.86 | 56.72 | 94.43 | 132.14 | 201.28 | 789 | 30.79 | 46.00 | 76.44 | 106.87 | 162.67 | - | 10.36 |
| 31 | 1.50 | 32 | 5.6144 | 48 | 8.4216 | 1166 | 28.36 | 42.45 | 70.63 | 98.81 | - | 773 | 22.65 | 33.83 | 56.20 | 78.57 | - | 7.87 | 12.33 |
| 32 | 1.50 | 40 | 7.0180 | 60 | 10.5270 | 1166 | 39.44 | 59.11 | 98.46 | 137.80 | 209.94 | 773 | 32.32 | 48.30 | 80.26 | 112.23 | 170.82 | - | 9.49 |
| 33 | 1.50 | 48 | 8.4216 | 72 | 12.6324 | 1166 | 45.34 | 68.11 | 113.64 | 159.18 | 242.66 | 773 | 38.39 | 57.42 | 95.47 | 133.52 | 203.29 | - | - |
| 34 | 1.50 | 60 | 10.5270 | 90 | 15.7905 | 1166 | 51.79 | 78.17 | 130.92 | 183.67 | 280.38 | 773 | 46.54 | 69.70 | 116.03 | 162.35 | 247.28 | - | - |
| 35 | 1.52 | 29 | 5.0880 | 44 | 7.7198 | 1151 | 23.30 | 34.86 | 57.99 | 81.13 | - | 763 | 18.45 | 27.56 | 45.77 | 63.99 | - | 8.86 | 13.31 |
| 36 | 1.53 | 34 | 5.9653 | 52 | 9.1234 | 1143 | 31.88 | 47.73 | 79.42 | 111.12 | - | 758 | 25.60 | 38.25 | 63.54 | 88.83 | - | - | 11.47 |
| 37 | 1.54 | 52 | 9.1234 | 80 | 14.0360 | 1136 | 42.48 | 71.83 | 119.99 | 168.15 | 256.43 | 753 | 41.19 | 61.62 | 102.50 | 143.37 | 218.31 | - | - |
| 38 | 1.55 | 44 | 7.7198 | 68 | 11.9306 | 1129 | 42.48 | 63.74 | 106.25 | 148.76 | 226.69 | 748 | 35.37 | 52.87 | 87.89 | 122.90 | 187.09 | - | - |
| 39 | 1.56 | 36 | 6.3162 | 56 | 9.8252 | 1121 | 35.49 | 53.15 | 88.47 | 123.79 | 188.54 | 743 | 28.67 | 42.83 | 71.16 | 99.49 | 151.43 | - | 10.61 |
| 40 | 1.56 | 72 | 12.6324 | 112 | 19.6504 | 1121 | 55.83 | 84.83 | 142.84 | 200.85 | 307.20 | 743 | 54.07 | 81.12 | 135.22 | 189.33 | 288.52 | - | - |
| 41 | 1.57 | 28 | 4.9126 | 44 | 7.7198 | 1114 | 21.67 | 32.43 | 53.94 | 75.45 | - | 738 | 17.12 | 25.56 | 42.46 | 59.36 | - | 8.99 | 13.44 |
| 42 | 1.58 | 38 | 6.6671 | 60 | 10.5270 | 1107 | 37.86 | 56.72 | 94.43 | 132.14 | 201.28 | 734 | 30.79 | 46.00 | 76.44 | 106.87 | 162.67 | - | 9.74 |
| 43 | 1.60 | 30 | 5.2635 | 48 | 8.4216 | 1093 | 24.95 | 37.35 | 62.13 | 86.91 | - | 725 | 19.82 | 29.60 | 49.17 | 68.74 | - | 8.12 | 12.58 |
| 44 | 1.60 | 40 | 7.0180 | 64 | 11.2288 | 1093 | 39.44 | 59.11 | 98.46 | 137.80 | 209.94 | 725 | 32.32 | 48.30 | 80.26 | 112.23 | 170.82 | - | - |
| 45 | 1.61 | 56 | 9.8252 | 90 | 15.7905 | 1086 | 49.90 | 75.18 | 125.73 | 176.80 | 268.97 | 720 | 43.89 | 65.71 | 109.33 | 152.95 | 232.93 | - | - |
| 46 | 1.62 | 32 | 5.6144 | 52 | 9.1234 | 1080 | 28.36 | 42.45 | 70.63 | 98.81 | - | 716 | 22.65 | 33.83 | 56.20 | 78.57 | - | - | 11.72 |
| 47 | 1.64 | 44 | 7.7198 | 72 | 12.6324 | 1067 | 42.48 | 63.74 | 106.25 | 148.76 | 226.69 | 707 | 35.37 | 52.87 | 87.89 | 122.90 | 187.09 | - | - |
| 48 | 1.65 | 34 | 5.9653 | 56 | 9.8252 | 1060 | 31.88 | 47.73 | 79.42 | 111.12 | - | 703 | 25.60 | 38.25 | 63.54 | 88.83 | - | - | 10.86 |
| 49 | 1.65 | 68 | 11.9306 | 112 | 19.6504 | 1060 | 54.77 | 83.02 | 139.51 | 196.00 | 299.56 | 703 | 51.63 | 77.42 | 128.99 | 180.56 | 275.11 | - | - |
| 50 | 1.66 | 29 | 5.0880 | 48 | 8.4216 | 1054 | 23.30 | 34.86 | 57.99 | 81.13 | - | 698 | 18.45 | 27.56 | 45.77 | 63.99 | - | 8.24 | 12.71 |
| 51 | 1.67 | 36 | 6.3162 | 60 | 10.5270 | 1047 | 35.49 | 53.15 | 88.47 | 123.79 | 188.54 | 694 | 28.67 | 42.83 | 71.16 | 99.49 | 151.43 | - | 9.98 |
| 52 | 1.67 | 48 | 8.4216 | 80 | 14.0360 | 1047 | 45.34 | 68.11 | 113.64 | 159.18 | 242.66 | 694 | 38.39 | 57.42 | 95.47 | 133.52 | 203.29 | - | - |
| 53 | 1.68 | 38 | 6.6671 | 64 | 11.2288 | 1041 | 37.86 | 56.72 | 94.43 | 132.14 | 201.28 | 690 | 30.79 | 46.00 | 76.44 | 106.87 | 162.67 | - | - |
| 54 | 1.70 | 40 | 7.0180 | 68 | 11.9306 | 1029 | 39.44 | 59.11 | 98.46 | 137.80 | 209.94 | 682 | 32.32 | 48.30 | 80.26 | 112.23 | 170.82 | - | - |
| 55 | 1.71 | 28 | 4.9126 | 48 | 8.4216 | 1023 | 21.67 | 32.43 | 53.94 | 75.45 | - | 678 | 17.12 | 25.56 | 42.46 | 59.36 | - | 8.36 | 12.84 |
| 56 | 1.73 | 30 | 5.2635 | 52 | 9.1234 | 1011 | 24.95 | 37.35 | 62.13 | 86.91 | - | 670 | 19.82 | 29.60 | 49.17 | 68.74 | - | - | 11.98 |
| 57 | 1.73 | 52 | 9.1234 | 90 | 15.7905 | 1011 | 47.76 | 71.83 | 119.99 | 168.15 | 256.43 | 670 | 41.19 | 61.62 | 102.50 | 143.37 | 218.31 | - | - |
| 58 | 1.75 | 32 | 5.6144 | 56 | 9.8252 | 1000 | 28.36 | 42.45 | 70.63 | 98.81 | - | 662 | 22.65 | 33.83 | 56.20 | 78.57 | - | - | 11.11 |
| 59 | 1.75 | 64 | 11.2288 | 112 | 19.6504 | 1000 | 53.42 | 80.79 | 135.52 | 190.26 | 290.60 | 662 | 49.12 | 73.61 | 122.59 | 171.56 | 261.35 | - | - |
| 60 | 1.76 | 34 | 5.9653 | 60 | 10.5270 | 994 | 31.88 | 47.73 | 79.42 | 111.12 | - | 659 | 25.60 | 38.25 | 63.54 | 88.83 | - | - | 10.22 |
| 61 | 1.78 | 36 | 6.3162 | 64 | 11.2288 | 983 | 35.49 | 53.15 | 88.47 | 123.79 | 188.54 | 651 | 28.67 | 42.83 | 71.16 | 99.49 | 151.43 | - | 9.33 |
| 62 | 1.79 | 29 | 5.0880 | 52 | 9.1234 | 977 | 23.30 | 34.86 | 57.99 | 81.13 | - | 648 | 18.45 | 27.56 | 45.77 | 63.99 | - | 7.59 | 12.10 |
| 63 | 1.79 | 38 | 6.6671 | 68 | 11.9306 | 977 | 37.86 | 56.72 | 94.43 | 132.14 | 201.28 | 648 | 30.79 | 46.00 | 76.44 | 106 | | | |

| NOMINAL CENTER DISTANCES IN INCHES FOR VARIOUS BELT LENGTHS | | | | | | | | | | | | | | | | | | | | LINE No. | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------------|----|--|--|--|
| 1400 | 1610 | 1778 | 1890 | 2100 | 2310 | 2450 | 2590 | 2800 | 3150 | 3360 | 3500 | 3850 | 4326 | 4578 | 4956 | 5320 | 5740 | 6160 | 6860 | | | | | |
| 90 | | 95 | | 1.00 | | | 1.05 | | | | 1.10 | | | | | | | | | | | | | |
| 18.18 | 22.32 | 25.63 | 27.83 | 31.97 | 36.10 | 38.86 | 41.61 | 45.75 | 52.64 | 56.77 | 59.53 | 66.42 | 75.79 | 80.75 | 88.19 | 95.36 | 103.62 | 111.89 | 125.67 | 1 | | | | |
| 13.75 | 17.89 | 21.20 | 23.41 | 27.55 | 31.68 | 34.44 | 37.20 | 41.33 | 48.22 | 52.36 | 55.12 | 62.01 | 71.38 | 76.34 | 83.78 | 90.95 | 99.21 | 107.48 | 121.26 | 2 | | | | |
| 18.73 | 22.87 | 26.18 | 28.38 | 32.52 | 36.65 | 39.41 | 42.16 | 46.30 | 53.19 | 57.32 | 60.08 | 66.97 | 76.34 | 81.30 | 88.74 | 95.91 | 104.18 | 112.44 | 126.22 | 3 | | | | |
| 16.79 | 20.93 | 24.24 | 26.45 | 30.58 | 34.72 | 37.48 | 40.23 | 44.37 | 51.26 | 55.39 | 58.15 | 65.04 | 74.41 | 79.37 | 86.81 | 93.98 | 102.25 | 110.51 | 124.29 | 4 | | | | |
| - | 13.99 | 17.31 | 19.53 | 23.67 | 27.81 | 30.57 | 33.33 | 37.46 | 44.36 | 48.49 | 51.25 | 58.14 | 67.51 | 72.48 | 79.92 | 87.08 | 95.35 | 103.62 | 117.40 | 5 | | | | |
| 14.85 | 18.99 | 22.30 | 24.51 | 28.65 | 32.78 | 35.54 | 38.30 | 42.43 | 49.33 | 53.46 | 56.22 | 63.11 | 72.48 | 77.44 | 84.88 | 92.05 | 100.32 | 108.58 | 122.36 | 6 | | | | |
| 18.31 | 22.45 | 25.76 | 27.97 | 32.10 | 36.24 | 38.99 | 41.75 | 45.88 | 52.77 | 56.91 | 59.66 | 66.56 | 75.93 | 80.89 | 88.33 | 95.49 | 103.76 | 112.03 | 125.81 | 7 | | | | |
| 10.94 | 15.10 | 18.42 | 20.63 | 24.77 | 28.91 | 31.67 | 34.43 | 38.57 | 45.46 | 49.59 | 52.35 | 59.24 | 68.62 | 73.58 | 81.02 | 88.19 | 96.46 | 104.72 | 118.50 | 8 | | | | |
| - | - | - | 15.32 | 19.48 | 23.63 | 26.40 | 29.16 | 33.30 | 40.20 | 44.34 | 47.10 | 53.99 | 63.37 | 68.33 | 75.77 | 82.94 | 91.21 | 99.48 | 113.26 | 9 | | | | |
| 17.90 | 22.03 | 25.34 | 27.55 | 31.69 | 35.82 | 38.58 | 41.33 | 45.47 | 52.36 | 56.49 | 59.25 | 66.14 | 75.51 | 80.47 | 87.91 | 95.08 | 103.35 | 111.62 | 125.40 | 10 | | | | |
| 15.96 | 20.10 | 23.41 | 25.61 | 29.75 | 33.89 | 36.64 | 39.40 | 43.54 | 50.43 | 54.56 | 57.32 | 64.21 | 73.58 | 78.54 | 85.98 | 93.15 | 101.42 | 109.69 | 123.47 | 11 | | | | |
| 12.05 | 16.21 | 19.52 | 21.73 | 25.88 | 30.01 | 32.77 | 35.53 | 39.67 | 46.56 | 50.70 | 53.45 | 60.35 | 69.72 | 74.68 | 82.12 | 89.29 | 97.56 | 105.83 | 119.61 | 12 | | | | |
| - | - | 15.62 | 17.84 | 21.99 | 26.13 | 28.89 | 31.65 | 35.79 | 42.69 | 46.83 | 49.58 | 56.48 | 65.85 | 70.81 | 78.26 | 85.42 | 93.69 | 101.96 | 115.74 | 13 | | | | |
| 18.45 | 22.59 | 25.90 | 28.10 | 32.24 | 36.37 | 39.13 | 41.89 | 46.02 | 52.91 | 57.05 | 59.80 | 66.69 | 76.06 | 81.02 | 88.47 | 95.63 | 103.90 | 112.17 | 125.95 | 14 | | | | |
| 13.16 | 17.31 | 20.63 | 22.84 | 26.98 | 31.12 | 33.88 | 36.63 | 40.77 | 47.66 | 51.80 | 54.56 | 61.45 | 70.82 | 75.78 | 83.22 | 90.39 | 98.66 | 106.93 | 120.71 | 15 | | | | |
| 17.06 | 21.20 | 24.51 | 26.72 | 30.85 | 34.99 | 37.75 | 40.50 | 44.64 | 51.53 | 55.66 | 58.42 | 65.31 | 74.68 | 79.64 | 87.09 | 94.25 | 102.52 | 110.79 | 124.57 | 16 | | | | |
| 15.11 | 19.26 | 22.57 | 24.78 | 28.92 | 33.05 | 35.81 | 38.57 | 42.71 | 49.60 | 53.73 | 56.49 | 63.38 | 72.75 | 77.71 | 85.16 | 92.32 | 100.59 | 108.86 | 122.64 | 17 | | | | |
| 18.03 | 22.17 | 25.48 | 27.68 | 31.82 | 35.96 | 38.71 | 41.47 | 45.60 | 52.50 | 56.63 | 59.39 | 66.28 | 75.65 | 80.61 | 88.05 | 95.22 | 103.48 | 111.75 | 125.53 | 18 | | | | |
| - | 14.51 | 17.84 | 20.05 | 24.20 | 28.34 | 31.10 | 33.86 | 38.00 | 44.90 | 49.03 | 51.79 | 58.68 | 68.06 | 73.02 | 80.46 | 87.63 | 95.90 | 104.17 | 117.95 | 19 | | | | |
| 14.27 | 18.42 | 21.73 | 23.94 | 28.08 | 32.22 | 34.98 | 37.74 | 41.87 | 48.77 | 52.90 | 55.66 | 62.55 | 71.92 | 76.88 | 84.33 | 91.49 | 99.76 | 108.03 | 121.81 | 20 | | | | |
| - | - | - | - | - | 18.82 | 21.60 | 24.38 | 28.54 | 35.45 | 39.60 | 42.36 | 49.26 | 58.65 | 63.61 | 71.06 | 78.23 | 86.50 | 94.78 | 108.56 | 21 | | | | |
| 16.22 | 20.36 | 23.67 | 25.88 | 30.02 | 34.16 | 36.91 | 39.67 | 43.81 | 50.70 | 54.83 | 57.59 | 64.48 | 73.85 | 78.82 | 86.26 | 93.42 | 101.69 | 109.96 | 123.74 | 22 | | | | |
| - | - | 15.83 | 18.04 | 22.19 | 26.32 | 29.07 | 31.83 | 36.00 | 42.90 | 47.03 | 49.79 | 56.68 | 66.06 | 71.02 | 78.46 | 85.63 | 93.90 | 102.17 | 115.95 | 23 | | | | |
| 11.45 | 15.62 | 18.94 | 21.16 | 25.30 | 29.44 | 32.20 | 34.96 | 39.10 | 46.00 | 50.13 | 52.89 | 59.79 | 69.16 | 74.12 | 81.56 | 88.73 | 97.00 | 105.27 | 119.05 | 24 | | | | |
| 18.16 | 22.30 | 25.61 | 27.82 | 31.96 | 36.09 | 38.85 | 41.61 | 45.74 | 52.63 | 56.77 | 59.52 | 66.41 | 75.79 | 80.75 | 88.19 | 95.35 | 103.62 | 111.89 | 125.67 | 25 | | | | |
| - | 12.79 | 16.13 | 18.35 | 22.51 | 26.66 | 29.42 | 32.18 | 36.33 | 43.23 | 47.36 | 50.12 | 57.02 | 66.39 | 71.36 | 78.80 | 85.97 | 94.24 | 102.51 | 116.29 | 26 | | | | |
| 15.38 | 19.52 | 22.84 | 25.05 | 29.19 | 33.32 | 36.08 | 38.84 | 42.98 | 49.87 | 54.00 | 56.76 | 63.65 | 73.02 | 77.99 | 85.43 | 92.59 | 100.86 | 109.13 | 122.91 | 27 | | | | |
| 12.56 | 16.73 | 20.05 | 22.26 | 26.41 | 30.55 | 33.31 | 36.07 | 40.21 | 47.10 | 51.24 | 53.99 | 60.89 | 70.26 | 75.22 | 82.67 | 89.83 | 98.10 | 106.37 | 120.15 | 28 | | | | |
| 17.32 | 21.47 | 24.78 | 26.99 | 31.12 | 35.26 | 38.02 | 40.77 | 44.91 | 51.80 | 55.94 | 58.69 | 65.58 | 74.96 | 79.92 | 87.36 | 94.53 | 102.79 | 111.06 | 124.84 | 29 | | | | |
| 14.53 | 18.68 | 22.00 | 24.21 | 28.35 | 32.49 | 35.25 | 38.01 | 42.14 | 49.04 | 53.17 | 55.93 | 62.82 | 72.19 | 77.16 | 84.60 | 91.76 | 100.03 | 108.30 | 122.08 | 30 | | | | |
| 16.48 | 20.63 | 23.94 | 26.15 | 30.29 | 34.43 | 37.18 | 39.94 | 44.08 | 50.97 | 55.11 | 57.86 | 64.75 | 74.13 | 79.09 | 86.53 | 93.70 | 101.96 | 110.23 | 124.01 | 31 | | | | |
| 13.67 | 17.83 | 21.15 | 23.37 | 27.51 | 31.65 | 34.41 | 37.17 | 41.31 | 48.20 | 52.34 | 55.10 | 61.99 | 71.36 | 76.33 | 83.77 | 90.94 | 99.20 | 107.47 | 121.25 | 32 | | | | |
| - | 15.02 | 18.35 | 20.57 | 24.72 | 28.87 | 31.63 | 34.39 | 38.53 | 45.43 | 49.57 | 52.33 | 59.22 | 68.60 | 73.56 | 81.00 | 88.17 | 96.44 | 104.71 | 118.49 | 33 | | | | |
| - | - | 14.10 | 16.33 | 20.51 | 24.67 | 27.44 | 30.21 | 34.36 | 41.27 | 45.41 | 48.17 | 55.07 | 64.44 | 69.41 | 76.86 | 84.02 | 92.30 | 100.57 | 114.35 | 34 | | | | |
| 17.46 | 21.60 | 24.91 | 27.12 | 31.26 | 35.39 | 38.15 | 40.91 | 45.04 | 51.94 | 56.07 | 58.83 | 65.72 | 75.09 | 80.05 | 87.50 | 94.66 | 102.93 | 111.20 | 124.98 | 35 | | | | |
| 15.63 | 19.79 | 23.10 | 25.31 | 29.45 | 33.59 | 36.35 | 39.11 | 43.24 | 50.14 | 54.27 | 57.03 | 63.92 | 73.30 | 78.26 | 85.70 | 92.87 | 101.14 | 109.40 | 123.19 | 36 | | | | |
| - | 13.29 | 16.64 | 18.86 | 23.03 | 27.18 | 29.95 | 32.71 | 36.86 | 43.76 | 47.90 | 50.66 | 57.56 | 66.93 | 71.90 | 79.34 | 86.51 | 94.78 | 103.05 | 116.83 | 37 | | | | |
| 11.95 | 16.13 | 19.46 | 21.68 | 25.83 | 29.97 | 32.74 | 35.50 | 39.64 | 46.53 | 50.67 | 53.43 | 60.33 | 69.70 | 74.66 | 82.11 | 89.27 | 97.54 | 105.81 | 119.60 | 38 | | | | |
| 14.78 | 18.94 | 22.26 | 24.47 | 28.61 | 32.75 | 35.51 | 38.27 | 42.41 | 49.31 | 53.44 | 56.20 | 63.09 | 72.47 | 77.43 | 84.87 | 92.04 | 100.31 | 108.58 | 122.36 | 39 | | | | |
| - | - | - | - | 19.82 | 22.61 | 25.40 | 29.54 | 36.40 | 43.30 | 47.43 | 50.19 | 57.08 | 66.45 | 71.42 | 78.86 | 86.03 | 94.30 | 102.57 | 110.84 | 124.62 | 40 | | | |
| 17.59 | 21.73 | 25.04 | 27.25 | 31.39 | 35.53 | 38.29 | 41.04 | 45.18 | 52.07 | 56.21 | 58.96 | 65.86 | 75.23 | 80.19 | 87.63 | 94.80 | 103.07 | 111.34 | 125.12 | 41 | | | | |
| 13.93 | 18.09 | 21.42 | 23.63 | 27.77 | 31.92 | 34.68 | 37.44 | 41.58 | 48.47 | 52.61 | 55.37 | 62.26 | 71.63 | 76.60 | 84.04 | 91.21 | 99.48 | 107.75 | 121.53 | 42 | | | | |
| 16.74 | 20.89 | 24.21 | 26.41 | 30.56 | 34.69 | 37.45 | 40.21 | 44.35 | 51.24 | 55.38 | 58.13 | 65.03 | 74.40 | 79.36 | 86.80 | 93.97 | 102.24 | 110.51 | 124.29 | 43 | | | | |
| 13.07 | 17.24 | 20.57 | 22.78 | 26.93 | 31.08 | 33.84 | 36.60 | 40.74 | 47.64 | 51.78 | 54.53 | 61.43 | 70.80 | 75.77 | 83.21 | 90.38 | 98.65 | 106.92 | 120.70 | 44 | | | | |
| - | - | 14.59 | 16.83 | 21.02 | 25.19 | 27.96 | 30.73 | 34.88 | 41.79 | 45.93 | 48.70 | 55.60 | 64.98 | 69.95 | 77.39 | 84.56 | 92.84 | 101.11 | 114.89 | 45 | | | | |
| 15.89 | 20.05 | 23.37 | 25.58 | 29.72 | 33.86 | 36.62 | 39.38 | 43.51 | 50.41 | 54.54 | 57.30 | 64.19 | 73.57 | 78.53 | 85.97 | 93.14 | 101.41 | 109.68 | 123.46 | 46 | | | | |
| 11.32 | 15.52 | 18.86 | 21.09 | 25.24 | 29.39 | 32.16 | 34.92 | 39.06 | 45.97 | 50.11 | 52.86 | 59.76 | 69.14 | 74.10 | 81.55 | 88.71 | 96.99 | 105.26 | 119.04 | 47 | | | | |
| 15.04 | 19.20 | 22.52 | 24.73 | 28.88 | 33.02 | 35.78 | 38.54 | 42.68 | 49.58 | 53.71 | 56.47 | 63.36 | 72.74 | 77.70 | 85.14 | 92.31 | 100.58 | 108.85 | 122.63 | 48 | | | | |
| - | - | - | - | 20.31 | 23.12 | 25.91 | 30.08 | 37.02 | 44.17 | 49.34 | 54.51 | 61.40 | 70.78 | 75.74 | 83.18 | 90.35 | 98.62 | 106.89 | 115.16 | 49 | | | | |
| 16.87 | 21.02 | 24.34 | 26.55 | 30.69 | 34.83 | 37.59 | 40.34 | 44.48 | 51.38 | 55.51 | 58.27 | 65.16 | 74.53 | 79.50 | 86.94 | 94.11 | 102.37 | 110.64 | 124.42 | 50 | | | | |
| 14.18 | 18.35 | 21.68 | 23.89 | 28.04 | 32.18 | 34.94 | 37.70 | 41.84 | 48.74 | 52.88 | 55.64 | 62.53 | 71.91 | 76.87 | 84.31 | 91.48 | 99.75 | 108.02 | 121.80 | 51 | | | | |
| - | 13.78 | 17.14 | 19.37 | 23.54 | 27.70 | 30.47 | 33.24 | 37.38 | 44.29 | 48.43 | 51.19 | 58.09 | 67.47 | 72.43 | 79.88 | 87.05 | 95.32 | 103.59 | 117.38 | 52 | | | | |
| 13.32 | 17.50 | 20.83 | 23.04 | 27.19 | 31.34 | 34.10 | 36.87 | 41.01 | 47.91 | 52.04 | 54.80 | 61.70 | 71.07 | 76.04 | 83.48 | 90.65 | 98.92 | 107.19 | 120.97 | 53 | | | | |
| 12.44 | 16.64 | 19.97 | 22.19 | 26.35 | 30.50 | 33.26 | 36.03 | 40.17 | 47.07 | 51.21 | 53.97 | 60.86 | 70.24 | 75.20 | 82.65 | 89.82 | 98.09 | 106.36 | 120.14 | 54 | | | | |
| 17.00 | 21.15 | 24.47 | 26.68 | 30.82 | 34.96 | 37.72 | 40.48 | 44.62 | 51.51 | 55.65 | 58.40 | 65.30 | 74.67 | 79.63 | 87.07 | 94.24 | 102.51 | 110.78 | 124.56 | 55 | | | | |
| 16.15 | 20.31 | 23.63 | 25.84 | 29.98 | 34.12 | 36.88 | 39.64 | 43.78 | 50.68 | 54.81 | 57.57 | 64.47 | 73.84 | 78.80 | 86.24 | 93.41 | 101.68 | 109.95 | 123.73 | 56 | | | | |
| - | - | 15.07 | 17.33 | 21 | | | | | | | | | | | | | | | | | | | | |

TABLE No. 1

| LINE No. | RATIO | SPROCKET COMBINATION | | | | DRIVEN SPEED AND HORSEPOWER | | | | | | | | | | | 966 | 1190 | |
|--|-------|----------------------|------------|-----------|------------|-----------------------------|-------------------|-------|--------|--------|-----------------|-------------|-------------------|-------|--------|--------|--------|------|-----|
| | | DRIVER | | DRIVEN | | 1750 RPM DRIVER | | | | | 1160 RPM DRIVER | | | | | | | | |
| | | No. TEETH | PITCH DIA. | No. TEETH | PITCH DIA. | DRIV-EN RPM | HP PER BELT WIDTH | | | | | DRIV-EN RPM | HP PER BELT WIDTH | | | | | | |
| | | | | | | | 40 | 55 | 85 | 115 | 170 | | 40 | 55 | 85 | 115 | | | 170 |
| Multiply HP Ratings by BELT LENGTH FACTOR → .80 | | | | | | | | | | | | | | | | | | | |
| 1 | 1.82 | 44 | 7.7198 | 80 | 14.0360 | 961 | 42.48 | 63.74 | 106.25 | 148.76 | 226.69 | 637 | 35.37 | 52.87 | 87.89 | 122.90 | 187.09 | | |
| 2 | 1.86 | 28 | 4.9126 | 52 | 9.1234 | 940 | 21.67 | 32.43 | 53.94 | 75.45 | - | 623 | 17.12 | 25.56 | 42.46 | 59.36 | - | | |
| 3 | 1.87 | 30 | 5.2635 | 56 | 9.8252 | 935 | 24.95 | 37.35 | 62.13 | 86.91 | - | 620 | 19.82 | 29.60 | 49.17 | 68.74 | - | | |
| 4 | 1.87 | 32 | 5.6144 | 60 | 10.5270 | 935 | 28.36 | 42.45 | 70.63 | 98.81 | - | 620 | 22.65 | 33.83 | 56.20 | 78.57 | - | | |
| 5 | 1.87 | 48 | 8.4216 | 90 | 15.7905 | 935 | 45.34 | 68.11 | 113.64 | 159.18 | 242.66 | 620 | 38.39 | 57.42 | 95.47 | 133.52 | 203.29 | | |
| 6 | 1.87 | 60 | 10.5270 | 112 | 19.6504 | 935 | 51.79 | 78.17 | 130.92 | 183.67 | 280.38 | 620 | 46.54 | 69.70 | 116.03 | 162.35 | 247.28 | | |
| 7 | 1.88 | 34 | 5.9653 | 64 | 11.2288 | 930 | 31.88 | 47.73 | 79.42 | 111.12 | - | 617 | 25.60 | 38.25 | 63.54 | 88.83 | - | | |
| 8 | 1.89 | 36 | 6.3162 | 68 | 11.9306 | 925 | 35.49 | 53.15 | 88.47 | 123.79 | 188.54 | 613 | 28.67 | 42.83 | 71.16 | 99.49 | 151.43 | | |
| 9 | 1.89 | 38 | 6.6671 | 72 | 12.6324 | 925 | 37.86 | 56.72 | 94.43 | 132.14 | 201.28 | 613 | 30.79 | 46.00 | 76.44 | 106.87 | 162.67 | | |
| 10 | 1.93 | 29 | 5.0880 | 56 | 9.8252 | 906 | 23.30 | 34.86 | 57.99 | 81.13 | - | 601 | 18.45 | 27.56 | 45.77 | 63.99 | - | | |
| 11 | 2.00 | 28 | 4.9126 | 56 | 9.8252 | 875 | 21.67 | 32.43 | 53.94 | 75.45 | - | 580 | 17.12 | 25.56 | 42.46 | 59.36 | - | | |
| 12 | 2.00 | 30 | 5.2635 | 60 | 10.5270 | 875 | 24.95 | 37.35 | 62.13 | 86.91 | - | 580 | 19.82 | 29.60 | 49.17 | 68.74 | - | | |
| 13 | 2.00 | 32 | 5.6144 | 64 | 11.2288 | 875 | 28.36 | 42.45 | 70.63 | 98.81 | - | 580 | 22.65 | 33.83 | 56.20 | 78.57 | - | | |
| 14 | 2.00 | 34 | 5.9653 | 68 | 11.9306 | 875 | 31.88 | 47.73 | 79.42 | 111.12 | - | 580 | 25.60 | 38.25 | 63.54 | 88.83 | - | | |
| 15 | 2.00 | 36 | 6.3162 | 72 | 12.6324 | 875 | 35.49 | 53.15 | 88.47 | 123.79 | 188.54 | 580 | 28.67 | 42.83 | 71.16 | 99.49 | 151.43 | | |
| 16 | 2.00 | 40 | 7.0180 | 80 | 14.0360 | 875 | 39.44 | 59.11 | 98.46 | 137.80 | 209.94 | 580 | 32.32 | 48.30 | 80.26 | 112.23 | 170.82 | | |
| 17 | 2.00 | 56 | 9.8252 | 112 | 19.6504 | 875 | 49.90 | 75.18 | 125.73 | 176.28 | 268.97 | 580 | 43.89 | 65.71 | 109.33 | 152.95 | 232.93 | | |
| 18 | 2.00 | 72 | 12.6324 | 144 | 25.2648 | 875 | 55.83 | 84.83 | 142.84 | 200.85 | 307.20 | 580 | 54.07 | 81.12 | 135.22 | 189.33 | 288.52 | | |
| 19 | 2.05 | 44 | 7.7198 | 90 | 15.7905 | 853 | 42.48 | 63.74 | 106.25 | 148.76 | 226.69 | 565 | 35.37 | 52.87 | 87.89 | 122.90 | 187.09 | | |
| 20 | 2.07 | 29 | 5.0880 | 60 | 10.5270 | 845 | 23.30 | 34.86 | 57.99 | 81.13 | - | 560 | 18.45 | 27.56 | 45.77 | 63.99 | - | | |
| 21 | 2.10 | 80 | 14.0360 | 168 | 29.4756 | 833 | 56.98 | 87.12 | 147.40 | 207.68 | 318.20 | 552 | 58.67 | 88.16 | 147.14 | 206.11 | 314.23 | | |
| 22 | 2.11 | 38 | 6.6671 | 80 | 14.0360 | 829 | 37.86 | 56.72 | 94.43 | 132.14 | 201.28 | 549 | 30.79 | 46.00 | 76.44 | 106.87 | 162.67 | | |
| 23 | 2.12 | 32 | 5.6144 | 68 | 11.9306 | 825 | 28.36 | 42.45 | 70.63 | 98.81 | - | 547 | 22.65 | 33.83 | 56.20 | 78.57 | - | | |
| 24 | 2.12 | 34 | 5.9653 | 72 | 12.6324 | 825 | 31.88 | 47.73 | 79.42 | 111.12 | - | 547 | 25.60 | 38.25 | 63.54 | 88.83 | - | | |
| 25 | 2.12 | 68 | 11.9306 | 144 | 25.2648 | 825 | 54.77 | 83.02 | 139.51 | 196.00 | 299.56 | 547 | 51.63 | 77.42 | 128.99 | 180.56 | 275.11 | | |
| 26 | 2.13 | 30 | 5.2635 | 64 | 11.2288 | 821 | 24.95 | 37.35 | 62.13 | 86.91 | - | 544 | 19.82 | 29.60 | 49.17 | 68.74 | - | | |
| 27 | 2.14 | 28 | 4.9126 | 60 | 10.5270 | 817 | 21.67 | 32.43 | 53.94 | 75.45 | - | 542 | 17.12 | 25.56 | 42.46 | 59.36 | - | | |
| 28 | 2.15 | 52 | 9.1234 | 112 | 19.6504 | 813 | 47.76 | 71.83 | 119.99 | 168.15 | 256.43 | 539 | 41.19 | 61.62 | 102.50 | 143.37 | 218.31 | | |
| 29 | 2.21 | 29 | 5.0880 | 64 | 11.2288 | 791 | 23.30 | 34.86 | 57.99 | 81.13 | - | 524 | 18.45 | 27.56 | 45.77 | 63.99 | - | | |
| 30 | 2.22 | 36 | 6.3162 | 80 | 14.0360 | 788 | 35.49 | 53.15 | 88.47 | 123.79 | 188.54 | 522 | 28.67 | 42.83 | 71.16 | 99.49 | 151.43 | | |
| 31 | 2.25 | 32 | 5.6144 | 72 | 12.6324 | 777 | 28.36 | 42.45 | 70.63 | 98.81 | - | 515 | 22.65 | 33.83 | 56.20 | 78.57 | - | | |
| 32 | 2.25 | 40 | 7.0180 | 90 | 15.7905 | 777 | 39.44 | 59.11 | 98.46 | 137.80 | 209.94 | 515 | 32.32 | 48.30 | 80.26 | 112.23 | 170.82 | | |
| 33 | 2.25 | 64 | 11.2288 | 144 | 25.2648 | 777 | 53.42 | 80.79 | 135.52 | 190.26 | 290.60 | 515 | 49.12 | 73.61 | 122.59 | 171.56 | 261.35 | | |
| 34 | 2.27 | 30 | 5.2635 | 68 | 11.9306 | 770 | 24.95 | 37.35 | 62.13 | 86.91 | - | 511 | 19.82 | 29.60 | 49.17 | 68.74 | - | | |
| 35 | 2.29 | 28 | 4.9126 | 64 | 11.2288 | 764 | 21.67 | 32.43 | 53.94 | 75.45 | - | 506 | 17.12 | 25.56 | 42.46 | 59.36 | - | | |
| 36 | 2.33 | 48 | 8.4216 | 112 | 19.6504 | 751 | 45.34 | 68.11 | 113.64 | 159.18 | 242.66 | 497 | 38.39 | 57.42 | 95.47 | 133.52 | 203.29 | | |
| 37 | 2.33 | 72 | 12.6324 | 168 | 29.4756 | 751 | 55.83 | 84.83 | 142.84 | 200.85 | 307.20 | 497 | 54.07 | 81.12 | 135.22 | 189.33 | 288.52 | | |
| 38 | 2.34 | 29 | 5.0880 | 68 | 11.9306 | 747 | 23.30 | 34.86 | 57.99 | 81.13 | - | 495 | 18.45 | 27.56 | 45.77 | 63.99 | - | | |
| 39 | 2.35 | 34 | 5.9653 | 80 | 14.0360 | 744 | 31.88 | 47.73 | 79.42 | 111.12 | - | 493 | 25.60 | 38.25 | 63.54 | 88.83 | - | | |
| 40 | 2.37 | 38 | 6.6671 | 90 | 15.7905 | 738 | 37.86 | 56.72 | 94.43 | 132.14 | 201.28 | 489 | 30.79 | 46.00 | 76.44 | 106.87 | 162.67 | | |
| 41 | 2.40 | 30 | 5.2635 | 72 | 12.6324 | 729 | 24.95 | 37.35 | 62.13 | 86.91 | - | 483 | 19.82 | 29.60 | 49.17 | 68.74 | - | | |
| 42 | 2.40 | 60 | 10.5270 | 144 | 25.2648 | 729 | 51.79 | 78.17 | 130.92 | 183.67 | 280.38 | 483 | 46.54 | 69.70 | 116.03 | 162.35 | 247.28 | | |
| 43 | 2.40 | 80 | 14.0360 | 192 | 33.6864 | 729 | 56.98 | 87.12 | 147.40 | 207.68 | 318.20 | 483 | 58.67 | 88.16 | 147.14 | 206.11 | 314.23 | | |
| 44 | 2.43 | 28 | 4.9126 | 68 | 11.9306 | 720 | 21.67 | 32.43 | 53.94 | 75.45 | - | 477 | 17.12 | 25.56 | 42.46 | 59.36 | - | | |
| 45 | 2.47 | 68 | 11.9306 | 168 | 29.4756 | 708 | 54.77 | 83.02 | 139.51 | 196.00 | 299.56 | 469 | 51.63 | 77.42 | 128.99 | 180.56 | 275.11 | | |
| 46 | 2.48 | 29 | 5.0880 | 72 | 12.6324 | 705 | 23.30 | 34.86 | 57.99 | 81.13 | - | 467 | 18.45 | 27.56 | 45.77 | 63.99 | - | | |
| 47 | 2.50 | 32 | 5.6144 | 80 | 14.0360 | 700 | 28.36 | 42.45 | 70.63 | 98.81 | - | 464 | 22.65 | 33.83 | 56.20 | 78.57 | - | | |
| 48 | 2.50 | 36 | 6.3162 | 90 | 15.7905 | 700 | 35.49 | 53.15 | 88.47 | 123.79 | 188.54 | 464 | 28.67 | 42.83 | 71.16 | 99.49 | 151.43 | | |
| 49 | 2.55 | 44 | 7.7198 | 112 | 19.6504 | 686 | 42.48 | 63.74 | 106.25 | 148.76 | 226.69 | 454 | 35.37 | 52.87 | 87.89 | 122.90 | 187.09 | | |
| 50 | 2.57 | 28 | 4.9126 | 72 | 12.6324 | 680 | 21.67 | 32.43 | 53.94 | 75.45 | - | 451 | 17.12 | 25.56 | 42.46 | 59.36 | - | | |
| 51 | 2.57 | 56 | 9.8252 | 144 | 25.2648 | 680 | 49.90 | 75.18 | 125.73 | 176.28 | 268.97 | 451 | 43.89 | 65.71 | 109.33 | 152.95 | 232.93 | | |
| 52 | 2.62 | 64 | 11.2288 | 168 | 29.4756 | 667 | 53.42 | 80.79 | 135.52 | 190.26 | 290.60 | 442 | 49.12 | 73.61 | 122.59 | 171.56 | 261.35 | | |
| 53 | 2.65 | 34 | 5.9653 | 90 | 15.7905 | 660 | 31.88 | 47.73 | 79.42 | 111.12 | - | 437 | 25.60 | 38.25 | 63.54 | 88.83 | - | | |
| 54 | 2.67 | 30 | 5.2635 | 80 | 14.0360 | 655 | 24.95 | 37.35 | 62.13 | 86.91 | - | 434 | 19.82 | 29.60 | 49.17 | 68.74 | - | | |
| 55 | 2.67 | 72 | 12.6324 | 192 | 33.6864 | 655 | 55.83 | 84.83 | 142.84 | 200.85 | 307.20 | 434 | 54.07 | 81.12 | 135.22 | 189.33 | 288.52 | | |
| 56 | 2.70 | 80 | 14.0360 | 216 | 37.8972 | 648 | 56.98 | 87.12 | 147.40 | 207.68 | 318.20 | 429 | 58.67 | 88.16 | 147.14 | 206.11 | 314.23 | | |
| 57 | 2.76 | 29 | 5.0880 | 80 | 14.0360 | 634 | 23.30 | 34.86 | 57.99 | 81.13 | - | 420 | 18.45 | 27.56 | 45.77 | 63.99 | - | | |
| 58 | 2.77 | 52 | 9.1234 | 144 | 25.2648 | 631 | 47.76 | 71.83 | 119.99 | 168.15 | 256.43 | 418 | 41.19 | 61.62 | 102.50 | 143.37 | 218.31 | | |
| 59 | 2.80 | 40 | 7.0180 | 112 | 19.6504 | 625 | 39.44 | 59.11 | 98.46 | 137.80 | 209.94 | 414 | 32.32 | 48.30 | 80.26 | 112.23 | 170.82 | | |
| 60 | 2.80 | 60 | 10.5270 | 168 | 29.4756 | 625 | 51.79 | 78.17 | 130.92 | 183.67 | 280.38 | 414 | 46.54 | 69.70 | 116.03 | 162.35 | 247.28 | | |
| 61 | 2.81 | 32 | 5.6144 | 90 | 15.7905 | 622 | 28.36 | 42.45 | 70.63 | 98.81 | - | 412 | 22.65 | 33.83 | 56.20 | 78.57 | - | | |
| 62 | 2.82 | 68 | 11.9306 | 192 | 33.6864 | 620 | 54.77 | 83.02 | 139.51 | 196.00 | 299.56 | 411 | 51.63 | 77.42 | 128.99 | 180.56 | 275.11 | | |
| 63 | 2.86 | 28 | 4.9126 | 80 | 14.0360 | 611 | 21.67 | 32.43 | 53.94 | 75.45 | - | 405 | 17.12 | 25.56 | 42.46 | 59.36 | - | | |
| 64 | 2.95 | 38 | 6.6671 | 112 | 19.6504 | 593 | 37.86 | 56.72 | 94.43 | 132.14 | 201.28 | 393 | 30.79 | 46.00 | 76.44 | 106.87 | 162.67 | | |
| 65 | 3.00 | 30 | 5.2635 | 90 | 15.7905 | 583 | 24.95 | 37.35 | 62.13 | 86.91 | - | 386 | 19.82 | 29.60 | 49.17 | 68.74 | - | | |

• This drive should be used only if a reduction in belt life is acceptable.
 • Driven sprocket is not available for belt width indicated; use next wider sprocket.

NOMINAL CENTER DISTANCES IN INCHES FOR VARIOUS BELT LENGTHS

| NOMINAL CENTER DISTANCES IN INCHES FOR VARIOUS BELT LENGTHS | | | | | | | | | | | | | | | | | LINE No. | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|--------|--------|----|
| 1400 | 1610 | 1778 | 1890 | 2100 | 2310 | 2450 | 2590 | 2800 | 3150 | 3360 | 3500 | 3850 | 4326 | 4578 | 4956 | 5320 | 5740 | 6160 | 6860 | |
| 90 | | 95 | | 1.00 | | | 1.05 | | | | | 1.10 | | | | | | | | |
| - | 14.27 | 17.64 | 19.88 | 24.05 | 28.22 | 30.99 | 33.76 | 37.91 | 44.82 | 48.96 | 51.72 | 58.62 | 68.01 | 72.97 | 80.42 | 87.59 | 95.86 | 104.13 | 117.92 | 1 |
| 16.41 | 20.57 | 23.89 | 26.10 | 30.25 | 34.39 | 37.15 | 39.91 | 44.05 | 50.95 | 55.08 | 57.84 | 64.74 | 74.11 | 79.07 | 86.52 | 93.68 | 101.95 | 110.22 | 124.00 | 2 |
| 15.55 | 19.72 | 23.04 | 25.26 | 29.41 | 33.55 | 36.31 | 39.07 | 43.21 | 50.11 | 54.25 | 57.01 | 63.90 | 73.28 | 78.24 | 85.68 | 92.85 | 101.12 | 109.39 | 123.17 | 3 |
| 14.68 | 18.86 | 22.19 | 24.41 | 28.56 | 32.71 | 35.47 | 38.23 | 42.38 | 49.28 | 53.41 | 56.17 | 63.07 | 72.45 | 77.41 | 84.85 | 92.02 | 100.29 | 108.56 | 122.34 | 4 |
| - | - | 15.56 | 17.82 | 22.02 | 26.21 | 28.99 | 31.76 | 35.92 | 42.84 | 46.99 | 49.76 | 56.66 | 66.05 | 71.02 | 78.47 | 85.64 | 93.91 | 102.19 | 115.97 | 5 |
| - | - | - | - | 17.04 | 21.30 | 24.11 | 26.91 | 31.09 | 38.05 | 42.21 | 44.98 | 51.90 | 61.30 | 66.27 | 73.73 | 80.91 | 89.19 | 97.46 | 111.26 | 6 |
| 13.81 | 18.00 | 21.34 | 23.56 | 27.72 | 31.87 | 34.63 | 37.39 | 41.54 | 48.44 | 52.58 | 55.34 | 62.23 | 71.61 | 76.58 | 84.02 | 91.19 | 99.46 | 107.73 | 121.51 | 7 |
| 12.93 | 17.14 | 20.48 | 22.71 | 26.87 | 31.02 | 33.79 | 36.55 | 40.70 | 47.60 | 51.74 | 54.50 | 61.40 | 70.78 | 75.74 | 83.19 | 90.36 | 98.63 | 106.90 | 120.68 | 8 |
| 12.04 | 16.27 | 19.62 | 21.85 | 26.02 | 30.18 | 32.94 | 35.71 | 39.86 | 46.76 | 50.90 | 53.66 | 60.56 | 69.94 | 74.91 | 82.36 | 89.53 | 97.80 | 106.07 | 119.85 | 9 |
| 15.67 | 19.84 | 23.17 | 25.39 | 29.54 | 33.68 | 36.44 | 39.21 | 43.35 | 50.25 | 54.38 | 57.14 | 64.04 | 73.41 | 78.38 | 85.82 | 92.99 | 101.26 | 109.53 | 123.31 | 10 |
| 15.80 | 19.97 | 23.30 | 25.52 | 29.67 | 33.81 | 36.58 | 39.34 | 43.48 | 50.38 | 54.52 | 57.28 | 64.17 | 73.55 | 78.51 | 85.96 | 93.12 | 101.39 | 109.66 | 123.45 | 11 |
| 14.93 | 19.12 | 22.45 | 24.67 | 28.82 | 32.97 | 35.74 | 38.50 | 42.64 | 49.54 | 53.68 | 56.44 | 63.34 | 72.71 | 77.68 | 85.12 | 92.29 | 100.56 | 108.83 | 122.62 | 12 |
| 14.06 | 18.26 | 21.60 | 23.82 | 27.98 | 32.13 | 34.89 | 37.66 | 41.80 | 48.71 | 52.85 | 55.61 | 62.50 | 71.88 | 76.85 | 84.29 | 91.46 | 99.73 | 108.00 | 121.79 | 13 |
| 13.17 | 17.39 | 20.74 | 22.96 | 27.13 | 31.28 | 34.05 | 36.82 | 40.96 | 47.87 | 52.01 | 54.77 | 61.67 | 71.05 | 76.01 | 83.46 | 90.63 | 98.90 | 107.17 | 120.95 | 14 |
| 12.28 | 16.52 | 19.87 | 22.10 | 26.27 | 30.43 | 33.20 | 35.97 | 40.12 | 47.03 | 51.17 | 53.93 | 60.83 | 70.21 | 75.18 | 82.62 | 89.79 | 98.07 | 106.34 | 120.12 | 15 |
| - | 14.75 | 18.13 | 20.38 | 24.56 | 28.73 | 31.51 | 34.28 | 38.43 | 45.35 | 49.49 | 52.25 | 59.16 | 68.54 | 73.51 | 80.96 | 88.13 | 96.40 | 104.67 | 118.46 | 16 |
| - | - | - | - | 17.51 | 21.78 | 24.60 | 27.41 | 31.60 | 38.56 | 42.72 | 45.49 | 52.42 | 61.82 | 66.80 | 74.26 | 81.44 | 89.72 | 98.00 | 111.79 | 17 |
| - | - | - | - | - | - | - | 20.25 | 24.56 | 31.63 | 35.84 | 38.63 | 45.60 | 55.05 | 60.04 | 67.51 | 74.71 | 83.00 | 91.29 | 105.10 | 18 |
| - | 12.59 | 16.04 | 18.30 | 22.52 | 26.71 | 29.50 | 32.28 | 36.44 | 43.36 | 47.52 | 50.28 | 57.19 | 66.58 | 71.55 | 79.00 | 86.17 | 94.45 | 102.73 | 116.51 | 19 |
| 15.06 | 19.24 | 22.58 | 24.80 | 28.95 | 33.10 | 35.87 | 38.63 | 42.77 | 49.68 | 53.82 | 56.57 | 63.47 | 72.85 | 77.81 | 85.26 | 92.43 | 100.70 | 108.97 | 122.75 | 20 |
| - | - | - | - | - | - | - | - | - | 26.74 | 31.03 | 33.86 | 40.90 | 50.41 | 55.42 | 62.93 | 70.14 | 78.46 | 86.76 | 100.59 | 21 |
| 10.67 | 14.99 | 18.38 | 20.62 | 24.81 | 28.99 | 31.76 | 34.54 | 38.69 | 45.61 | 49.75 | 52.52 | 59.42 | 68.81 | 73.77 | 81.22 | 88.40 | 96.67 | 104.94 | 118.73 | 22 |
| 13.41 | 17.64 | 20.99 | 23.22 | 27.38 | 31.54 | 34.31 | 37.08 | 41.22 | 48.13 | 52.27 | 55.03 | 61.93 | 71.32 | 76.28 | 83.73 | 90.90 | 99.17 | 107.44 | 121.23 | 23 |
| 12.52 | 16.76 | 20.12 | 22.36 | 26.53 | 30.69 | 33.46 | 36.23 | 40.38 | 47.29 | 51.43 | 54.20 | 61.10 | 70.48 | 75.45 | 82.89 | 90.06 | 98.34 | 106.61 | 120.39 | 24 |
| - | - | - | - | - | - | - | 20.72 | 25.03 | 32.12 | 36.33 | 39.13 | 46.11 | 55.56 | 60.55 | 68.03 | 75.23 | 83.53 | 91.82 | 105.63 | 25 |
| 14.30 | 18.51 | 21.85 | 24.07 | 28.23 | 32.39 | 35.16 | 37.92 | 42.07 | 48.97 | 53.11 | 55.87 | 62.77 | 72.15 | 77.11 | 84.56 | 91.73 | 100.00 | 108.27 | 122.06 | 26 |
| 15.18 | 19.37 | 22.71 | 24.93 | 29.08 | 33.23 | 36.00 | 38.76 | 42.91 | 49.81 | 53.95 | 56.71 | 63.61 | 72.98 | 77.95 | 85.39 | 92.56 | 100.83 | 109.10 | 122.89 | 27 |
| - | - | - | - | 17.98 | 22.26 | 25.09 | 27.90 | 32.10 | 39.07 | 43.23 | 46.01 | 52.94 | 62.35 | 67.33 | 74.79 | 81.97 | 90.25 | 98.53 | 112.33 | 28 |
| 14.42 | 18.63 | 21.98 | 24.20 | 28.36 | 32.52 | 35.29 | 38.05 | 42.20 | 49.10 | 53.24 | 56.01 | 62.90 | 72.28 | 77.25 | 84.70 | 91.86 | 100.14 | 108.41 | 122.19 | 29 |
| 10.90 | 15.23 | 18.62 | 20.87 | 25.07 | 29.24 | 32.02 | 34.79 | 38.95 | 45.87 | 50.02 | 52.78 | 59.69 | 69.07 | 74.04 | 81.49 | 88.66 | 96.94 | 105.21 | 119.00 | 30 |
| 12.75 | 17.01 | 20.37 | 22.61 | 26.79 | 30.95 | 33.72 | 36.49 | 40.64 | 47.55 | 51.70 | 54.46 | 61.36 | 70.75 | 75.71 | 83.16 | 90.33 | 98.61 | 106.88 | 120.67 | 31 |
| - | 13.05 | 16.51 | 18.79 | 23.02 | 27.21 | 30.00 | 32.79 | 36.95 | 43.88 | 48.04 | 50.80 | 57.72 | 67.11 | 72.08 | 79.53 | 86.71 | 94.99 | 103.26 | 117.05 | 32 |
| - | - | - | - | - | - | - | 21.18 | 25.51 | 32.61 | 36.83 | 39.63 | 46.61 | 56.07 | 61.07 | 68.55 | 75.75 | 84.05 | 92.35 | 106.16 | 33 |
| 13.66 | 17.89 | 21.24 | 23.47 | 27.64 | 31.80 | 34.57 | 37.34 | 41.49 | 48.40 | 52.54 | 55.30 | 62.20 | 71.58 | 76.55 | 84.00 | 91.17 | 99.44 | 107.71 | 121.50 | 34 |
| 14.55 | 18.76 | 22.10 | 24.33 | 28.49 | 32.65 | 35.42 | 38.18 | 42.33 | 49.24 | 53.38 | 56.14 | 63.04 | 72.42 | 77.38 | 84.83 | 92.00 | 100.27 | 108.54 | 122.33 | 35 |
| - | - | - | - | 18.45 | 22.74 | 25.58 | 28.39 | 32.60 | 39.57 | 43.75 | 46.52 | 53.46 | 62.87 | 67.85 | 75.31 | 82.50 | 90.78 | 99.06 | 112.86 | 36 |
| - | - | - | - | - | - | - | - | 27.67 | 34.98 | 39.18 | 41.99 | 48.93 | 58.34 | 63.32 | 70.79 | 78.01 | 86.29 | 94.57 | 108.85 | 37 |
| 13.78 | 18.01 | 21.37 | 23.60 | 27.77 | 31.93 | 34.70 | 37.47 | 41.62 | 48.53 | 52.67 | 55.43 | 62.33 | 71.72 | 76.68 | 84.13 | 91.30 | 99.57 | 107.85 | 121.63 | 38 |
| 11.13 | 15.47 | 18.87 | 21.12 | 25.32 | 29.50 | 32.28 | 35.05 | 39.21 | 46.13 | 50.28 | 53.04 | 59.95 | 69.34 | 74.31 | 81.76 | 88.93 | 97.21 | 105.48 | 119.27 | 39 |
| - | 13.28 | 16.75 | 19.03 | 23.26 | 27.46 | 30.26 | 33.04 | 37.21 | 44.14 | 48.30 | 51.06 | 57.98 | 67.37 | 72.35 | 79.80 | 86.98 | 95.25 | 103.53 | 117.32 | 40 |
| 12.99 | 17.25 | 20.62 | 22.86 | 27.04 | 31.21 | 33.98 | 36.75 | 40.90 | 47.82 | 51.96 | 54.73 | 61.63 | 71.01 | 75.98 | 83.43 | 90.60 | 98.88 | 107.15 | 120.94 | 41 |
| - | - | - | - | - | - | 18.69 | 21.64 | 25.98 | 33.09 | 37.32 | 40.12 | 47.12 | 56.58 | 61.58 | 69.07 | 76.27 | 84.58 | 92.87 | 106.69 | 42 |
| - | - | - | - | - | - | - | - | - | 26.89 | 29.82 | 32.02 | 37.02 | 46.66 | 51.72 | 59.28 | 66.54 | 74.89 | 83.22 | 97.08 | 43 |
| 13.89 | 18.13 | 21.49 | 23.72 | 27.90 | 32.06 | 34.83 | 37.60 | 41.75 | 48.66 | 52.80 | 55.57 | 62.47 | 71.85 | 76.82 | 84.26 | 91.44 | 99.71 | 107.98 | 121.77 | 44 |
| - | - | - | - | - | - | - | - | 28.14 | 32.45 | 35.31 | 42.38 | 51.91 | 56.94 | 64.46 | 71.68 | 80.01 | 88.32 | 102.16 | 116.81 | 45 |
| 13.11 | 17.37 | 20.75 | 22.98 | 27.17 | 31.34 | 34.11 | 36.88 | 41.03 | 47.95 | 52.09 | 54.86 | 61.76 | 71.15 | 76.11 | 83.56 | 90.74 | 99.01 | 107.28 | 121.07 | 46 |
| 11.36 | 15.70 | 19.11 | 21.36 | 25.57 | 29.75 | 32.53 | 35.31 | 39.47 | 46.39 | 50.54 | 53.31 | 60.21 | 69.60 | 74.57 | 82.03 | 89.20 | 97.48 | 105.75 | 119.54 | 47 |
| - | 13.51 | 16.99 | 19.27 | 23.51 | 27.71 | 30.51 | 33.29 | 37.47 | 44.40 | 48.56 | 51.33 | 58.24 | 67.64 | 72.61 | 80.07 | 87.24 | 95.52 | 103.80 | 117.59 | 48 |
| - | - | - | 14.50 | 18.91 | 23.22 | 26.06 | 28.88 | 33.10 | 40.08 | 44.25 | 47.03 | 53.97 | 63.39 | 68.37 | 75.84 | 83.02 | 91.31 | 99.60 | 113.40 | 49 |
| 13.22 | 17.49 | 20.87 | 23.11 | 27.29 | 31.46 | 34.24 | 37.01 | 41.16 | 48.08 | 52.23 | 54.99 | 61.89 | 71.28 | 76.25 | 83.70 | 90.87 | 99.14 | 107.42 | 121.21 | 50 |
| - | - | - | - | - | - | 19.13 | 22.09 | 26.45 | 33.58 | 37.81 | 40.62 | 47.62 | 57.09 | 62.09 | 69.59 | 76.79 | 85.10 | 93.40 | 107.22 | 51 |
| - | - | - | - | - | - | - | 21.22 | 28.60 | 32.93 | 35.78 | 42.86 | 52.41 | 57.44 | 64.97 | 72.20 | 80.52 | 88.84 | 102.68 | 117.91 | 52 |
| 11.58 | 15.94 | 19.35 | 21.61 | 25.82 | 30.00 | 32.79 | 35.56 | 39.73 | 46.65 | 50.80 | 53.57 | 60.48 | 69.87 | 74.84 | 82.29 | 89.47 | 97.74 | 106.02 | 119.81 | 53 |
| - | - | - | - | - | - | - | - | - | 27.80 | 30.74 | 37.97 | 47.64 | 52.71 | 60.28 | 67.54 | 75.90 | 84.24 | 98.12 | 113.59 | 54 |
| - | - | - | - | - | - | - | - | - | - | - | 32.86 | 42.73 | 47.87 | 55.51 | 62.82 | 71.23 | 79.60 | 93.51 | 108.51 | 55 |
| 11.69 | 16.06 | 19.47 | 21.73 | 25.94 | 30.13 | 32.91 | 35.69 | 39.85 | 46.78 | 50.93 | 53.70 | 60.61 | 70.00 | 74.97 | 82.43 | 89.60 | 97.88 | 106.15 | 119.94 | 56 |
| - | - | - | - | - | - | 19.58 | 22.55 | 26.92 | 34.06 | 38.30 | 41.11 | 48.12 | 57.60 | 62.60 | 70.10 | 77.31 | 85.62 | 93.92 | 107.74 | 57 |
| - | - | - | 14.94 | 19.38 | 23.70 | 26.54 | 29.37 | 33.59 | 40.58 | 44.76 | 47.54 | 54.49 | 63.91 | 68.89 | 76.36 | 83.55 | 91.84 | 100.13 | 113.93 | 58 |
| - | - | - | - | - | - | - | - | 21.66 | 29.07 | 33.40 | 36.26 | 43.35 | 52.91 | | | | | | | |

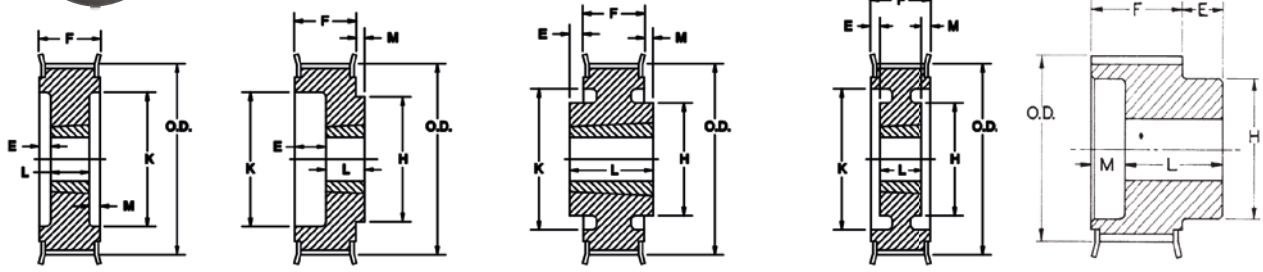
TABLE No. 1

| LINE No. | RATIO | SPROCKET COMBINATION | | | | DRIVEN SPEED AND HORSEPOWER | | | | | | | | | | | | 966 | 1190 |
|--|-------|----------------------|------------|-----------|------------|-----------------------------|-------------------|-------|--------|--------|-----------------|-------------|-------------------|-------|--------|--------|--------|-----|------|
| | | DRIVER | | DRIVEN | | 1750 RPM DRIVER | | | | | 1160 RPM DRIVER | | | | | | | | |
| | | No. TEETH | PITCH DIA. | No. TEETH | PITCH DIA. | DRIV-EN RPM | HP PER BELT WIDTH | | | | | DRIV-EN RPM | HP PER BELT WIDTH | | | | | | |
| | | | | | | | 40 | 55 | 85 | 115 | 170 | | 40 | 55 | 85 | 115 | 170 | | |
| Multiply HP Ratings by BELT LENGTH FACTOR → .80 | | | | | | | | | | | | | | | | | | | |
| 1 | 3.00 | 48 | 8.4216 | 144 | 25.2648 | 583 | 45.34 | 68.11 | 113.64 | 159.18 | 242.66 | 386 | 38.39 | 57.42 | 95.47 | 133.52 | 203.29 | - | - |
| 2 | 3.00 | 56 | 9.8252 | 168 | 29.4756 | 583 | 49.90 | 75.18 | 125.73 | 176.28 | 268.97 | 386 | 43.89 | 65.71 | 109.33 | 152.95 | 232.93 | - | - |
| 3 | 3.00 | 64 | 11.2288 | 192 | 33.6864 | 583 | 53.42 | 80.79 | 135.52 | 190.26 | 290.60 | 386 | 49.12 | 73.61 | 122.59 | 171.56 | 261.35 | - | - |
| 4 | 3.00 | 72 | 12.6324 | 216 | 37.8972 | 583 | 55.83 | 84.83 | 142.84 | 200.85 | 307.20 | 386 | 54.07 | 81.12 | 135.22 | 189.33 | 288.52 | - | - |
| 5 | 3.10 | 29 | 5.0880 | 90 | 15.7905 | 564 | 23.30 | 34.86 | 57.99 | 81.13 | - | 374 | 18.45 | 27.56 | 45.77 | 63.99 | - | - | - |
| 6 | 3.11 | 36 | 6.3162 | 112 | 19.6504 | 562 | 35.49 | 53.15 | 88.47 | 123.79 | 188.54 | 372 | 28.67 | 42.83 | 71.16 | 99.49 | 151.43 | - | - |
| 7 | 3.18 | 68 | 11.9306 | 216 | 37.8972 | 550 | 54.77 | 83.02 | 139.51 | 196.00 | 299.56 | 364 | 51.63 | 77.42 | 128.99 | 180.56 | 275.11 | - | - |
| 8 | 3.20 | 60 | 10.5270 | 192 | 33.6864 | 546 | 51.79 | 78.17 | 130.92 | 183.67 | 280.38 | 362 | 46.54 | 69.70 | 116.03 | 162.35 | 247.28 | - | - |
| 9 | 3.21 | 28 | 4.9126 | 90 | 15.7905 | 545 | 21.67 | 32.43 | 53.94 | 75.45 | - | 361 | 17.12 | 25.56 | 42.46 | 59.36 | - | - | - |
| 10 | 3.23 | 52 | 9.1234 | 168 | 29.4756 | 541 | 47.76 | 71.83 | 119.99 | 168.15 | 256.43 | 359 | 41.19 | 61.62 | 102.50 | 143.37 | 218.31 | - | - |
| 11 | 3.27 | 44 | 7.7198 | 144 | 25.2648 | 535 | 42.48 | 63.74 | 106.25 | 148.76 | 226.69 | 354 | 35.37 | 52.87 | 87.89 | 122.90 | 187.09 | - | - |
| 12 | 3.29 | 34 | 5.9653 | 112 | 19.6504 | 531 | 31.88 | 47.73 | 79.42 | 111.12 | - | 352 | 25.60 | 38.25 | 63.54 | 88.83 | - | - | - |
| 13 | 3.37 | 64 | 11.2288 | 216 | 37.8972 | 519 | 53.42 | 80.79 | 135.52 | 190.26 | 290.60 | 344 | 49.12 | 73.61 | 122.59 | 171.56 | 261.35 | - | - |
| 14 | 3.43 | 56 | 9.8252 | 192 | 33.6864 | 510 | 49.90 | 75.18 | 125.73 | 176.28 | 268.97 | 338 | 43.89 | 65.71 | 109.33 | 152.95 | 232.93 | - | - |
| 15 | 3.50 | 32 | 5.6144 | 112 | 19.6504 | 500 | 28.36 | 42.45 | 70.63 | 98.81 | - | 331 | 22.65 | 33.83 | 56.20 | 78.57 | - | - | - |
| 16 | 3.50 | 48 | 8.4216 | 168 | 29.4756 | 500 | 45.34 | 68.11 | 113.64 | 159.18 | 242.66 | 331 | 38.39 | 57.42 | 95.47 | 133.52 | 203.29 | - | - |
| 17 | 3.60 | 40 | 7.0180 | 144 | 25.2648 | 486 | 39.44 | 59.11 | 98.46 | 137.80 | 209.94 | 322 | 32.32 | 48.30 | 80.26 | 112.23 | 170.82 | - | - |
| 18 | 3.60 | 60 | 10.5270 | 216 | 37.8972 | 486 | 51.79 | 78.17 | 130.92 | 183.67 | 280.38 | 322 | 46.54 | 69.70 | 116.03 | 162.35 | 247.28 | - | - |
| 19 | 3.69 | 52 | 9.1234 | 192 | 33.6864 | 474 | 47.76 | 71.83 | 119.99 | 168.15 | 256.43 | 314 | 41.19 | 61.62 | 102.50 | 143.37 | 218.31 | - | - |
| 20 | 3.73 | 30 | 5.2635 | 112 | 19.6504 | 469 | 24.95 | 37.35 | 62.13 | 86.91 | - | 310 | 19.82 | 29.60 | 49.17 | 68.74 | - | - | - |
| 21 | 3.79 | 38 | 6.6671 | 144 | 25.2648 | 461 | 37.86 | 56.72 | 94.43 | 132.14 | 201.28 | 306 | 30.79 | 46.00 | 76.44 | 106.87 | 162.67 | - | - |
| 22 | 3.82 | 44 | 7.7198 | 168 | 29.4756 | 458 | 42.48 | 63.74 | 106.25 | 148.76 | 226.69 | 303 | 35.37 | 52.87 | 87.89 | 122.90 | 187.09 | - | - |
| 23 | 3.86 | 29 | 5.0880 | 112 | 19.6504 | 453 | 23.30 | 34.86 | 57.99 | 81.13 | - | 300 | 18.45 | 27.56 | 45.77 | 63.99 | - | - | - |
| 24 | 3.86 | 56 | 9.8252 | 216 | 37.8972 | 453 | 49.90 | 75.18 | 125.73 | 176.28 | 268.97 | 300 | 43.89 | 65.71 | 109.33 | 152.95 | 232.93 | - | - |
| 25 | 4.00 | 28 | 4.9126 | 112 | 19.6504 | 437 | 21.67 | 32.43 | 53.94 | 75.45 | - | 290 | 17.12 | 25.56 | 42.46 | 59.36 | - | - | - |
| 26 | 4.00 | 36 | 6.3162 | 144 | 25.2648 | 437 | 35.49 | 53.15 | 88.47 | 123.79 | 188.54 | 290 | 28.67 | 42.83 | 71.16 | 99.49 | 151.43 | - | - |
| 27 | 4.00 | 48 | 8.4216 | 192 | 33.6864 | 437 | 45.34 | 68.11 | 113.64 | 159.18 | 242.66 | 290 | 38.39 | 57.42 | 95.47 | 133.52 | 203.29 | - | - |
| 28 | 4.15 | 52 | 9.1234 | 216 | 37.8972 | 421 | 47.76 | 71.83 | 119.99 | 168.15 | 256.43 | 279 | 41.19 | 61.62 | 102.50 | 143.37 | 218.31 | - | - |
| 29 | 4.20 | 40 | 7.0180 | 168 | 29.4756 | 416 | 39.44 | 59.11 | 98.46 | 137.80 | 209.94 | 276 | 32.32 | 48.30 | 80.26 | 112.23 | 170.82 | - | - |
| 30 | 4.24 | 34 | 5.9653 | 144 | 25.2648 | 412 | 31.88 | 47.73 | 79.42 | 111.12 | - | 273 | 25.60 | 38.25 | 63.54 | 88.83 | - | - | - |
| 31 | 4.36 | 44 | 7.7198 | 192 | 33.6864 | 401 | 42.48 | 63.74 | 106.25 | 148.76 | 226.69 | 266 | 35.37 | 52.87 | 87.89 | 122.90 | 187.09 | - | - |
| 32 | 4.42 | 38 | 6.6671 | 168 | 29.4756 | 395 | 37.86 | 56.72 | 94.43 | 132.14 | 201.28 | 262 | 30.79 | 46.00 | 76.44 | 106.87 | 162.67 | - | - |
| 33 | 4.50 | 32 | 5.6144 | 144 | 25.2648 | 388 | 28.36 | 42.45 | 70.63 | 98.81 | - | 257 | 22.65 | 33.83 | 56.20 | 78.57 | - | - | - |
| 34 | 4.50 | 48 | 8.4216 | 216 | 37.8972 | 388 | 45.34 | 68.11 | 113.64 | 159.18 | 242.66 | 257 | 38.39 | 57.42 | 95.47 | 133.52 | 203.29 | - | - |
| 35 | 4.67 | 36 | 6.3162 | 168 | 29.4756 | 374 | 35.49 | 53.15 | 88.47 | 123.79 | 188.54 | 248 | 28.67 | 42.83 | 71.16 | 99.49 | 151.43 | - | - |
| 36 | 4.80 | 30 | 5.2635 | 144 | 25.2648 | 364 | 24.95 | 37.35 | 62.13 | 86.91 | - | 241 | 19.82 | 29.60 | 49.17 | 68.74 | - | - | - |
| 37 | 4.80 | 40 | 7.0180 | 192 | 33.6864 | 364 | 39.44 | 59.11 | 98.46 | 137.80 | 209.94 | 241 | 32.32 | 48.30 | 80.26 | 112.23 | 170.82 | - | - |
| 38 | 4.91 | 44 | 7.7198 | 216 | 37.8972 | 356 | 42.48 | 63.74 | 106.25 | 148.76 | 226.69 | 236 | 35.37 | 52.87 | 87.89 | 122.90 | 187.09 | - | - |
| 39 | 4.94 | 34 | 5.9653 | 168 | 29.4756 | 354 | 31.88 | 47.73 | 79.42 | 111.12 | - | 234 | 25.60 | 38.25 | 63.54 | 88.83 | - | - | - |
| 40 | 4.97 | 29 | 5.0880 | 144 | 25.2648 | 352 | 23.30 | 34.86 | 57.99 | 81.13 | - | 233 | 18.45 | 27.56 | 45.77 | 63.99 | - | - | - |
| 41 | 5.05 | 38 | 6.6671 | 192 | 33.6864 | 346 | 37.86 | 56.72 | 94.43 | 132.14 | 201.28 | 229 | 30.79 | 46.00 | 76.44 | 106.87 | 162.67 | - | - |
| 42 | 5.14 | 28 | 4.9126 | 144 | 25.2648 | 340 | 21.67 | 32.43 | 53.94 | 75.45 | - | 225 | 17.12 | 25.56 | 42.46 | 59.36 | - | - | - |
| 43 | 5.25 | 32 | 5.6144 | 168 | 29.4756 | 333 | 28.36 | 42.45 | 70.63 | 98.81 | - | 220 | 22.65 | 33.83 | 56.20 | 78.57 | - | - | - |
| 44 | 5.33 | 36 | 6.3162 | 192 | 33.6864 | 328 | 35.49 | 53.15 | 88.47 | 123.79 | 188.54 | 217 | 28.67 | 42.83 | 71.16 | 99.49 | 151.43 | - | - |
| 45 | 5.40 | 40 | 7.0180 | 216 | 37.8972 | 324 | 39.44 | 59.11 | 98.46 | 137.80 | 209.94 | 214 | 32.32 | 48.30 | 80.26 | 112.23 | 170.82 | - | - |
| 46 | 5.60 | 30 | 5.2635 | 168 | 29.4756 | 312 | 24.95 | 37.35 | 62.13 | 86.91 | - | 207 | 19.82 | 29.60 | 49.17 | 68.74 | - | - | - |
| 47 | 5.65 | 34 | 5.9653 | 192 | 33.6864 | 309 | 31.88 | 47.73 | 79.42 | 111.12 | - | 205 | 25.60 | 38.25 | 63.54 | 88.83 | - | - | - |
| 48 | 5.68 | 38 | 6.6671 | 216 | 37.8972 | 308 | 37.86 | 56.72 | 94.43 | 132.14 | 201.28 | 204 | 30.79 | 46.00 | 76.44 | 106.87 | 162.67 | - | - |
| 49 | 5.79 | 29 | 5.0880 | 168 | 29.4756 | 302 | 23.30 | 34.86 | 57.99 | 81.13 | - | 200 | 18.45 | 27.56 | 45.77 | 63.99 | - | - | - |
| 50 | 6.00 | 28 | 4.9126 | 168 | 29.4756 | 291 | 21.67 | 32.43 | 53.94 | 75.45 | - | 193 | 17.12 | 25.56 | 42.46 | 59.36 | - | - | - |
| 51 | 6.00 | 32 | 5.6144 | 192 | 33.6864 | 291 | 28.36 | 42.45 | 70.63 | 98.81 | - | 193 | 22.65 | 33.83 | 56.20 | 78.57 | - | - | - |
| 52 | 6.00 | 36 | 6.3162 | 216 | 37.8972 | 291 | 35.49 | 53.15 | 88.47 | 123.79 | 188.54 | 193 | 28.67 | 42.83 | 71.16 | 99.49 | 151.43 | - | - |
| 53 | 6.35 | 34 | 5.9653 | 216 | 37.8972 | 275 | 31.88 | 47.73 | 79.42 | 111.12 | - | 182 | 25.60 | 38.25 | 63.54 | 88.83 | - | - | - |
| 54 | 6.40 | 30 | 5.2635 | 192 | 33.6864 | 273 | 24.95 | 37.35 | 62.13 | 86.91 | - | 181 | 19.82 | 29.60 | 49.17 | 68.74 | - | - | - |
| 55 | 6.62 | 29 | 5.0880 | 192 | 33.6864 | 264 | 23.30 | 34.86 | 57.99 | 81.13 | - | 175 | 18.45 | 27.56 | 45.77 | 63.99 | - | - | - |
| 56 | 6.75 | 32 | 5.6144 | 216 | 37.8972 | 259 | 28.36 | 42.45 | 70.63 | 98.81 | - | 171 | 22.65 | 33.83 | 56.20 | 78.57 | - | - | - |
| 57 | 6.86 | 28 | 4.9126 | 192 | 33.6864 | 255 | 21.67 | 32.43 | 53.94 | 75.45 | - | 169 | 17.12 | 25.56 | 42.46 | 59.36 | - | - | - |
| 58 | 7.20 | 30 | 5.2635 | 216 | 37.8972 | 243 | 24.95 | 37.35 | 62.13 | 86.91 | - | 161 | 19.82 | 29.60 | 49.17 | 68.74 | - | - | - |
| 59 | 7.45 | 29 | 5.0880 | 216 | 37.8972 | 234 | 23.30 | 34.86 | 57.99 | 81.13 | - | 155 | 18.45 | 27.56 | 45.77 | 63.99 | - | - | - |
| 60 | 7.71 | 28 | 4.9126 | 216 | 37.8972 | 226 | 21.67 | 32.43 | 53.94 | 75.45 | - | 150 | 17.12 | 25.56 | 42.46 | 59.36 | - | - | - |

• This drive should be used only if a reduction in belt life is acceptable.
 ▲ Driven sprocket is not available for belt width indicated; use next wider sprocket.
 ■ Both above notes apply.

NOMINAL CENTER DISTANCES IN INCHES FOR VARIOUS BELT LENGTHS

| NOMINAL CENTER DISTANCES IN INCHES FOR VARIOUS BELT LENGTHS | | | | | | | | | | | | | | | | | | | LINE No. | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|----------|-------|----|
| 1400 | 1610 | 1778 | 1890 | 2100 | 2310 | 2450 | 2590 | 2800 | 3150 | 3360 | 3500 | 3850 | 4326 | 4578 | 4956 | 5320 | 5740 | 6160 | | 6860 | |
| .90 | | .95 | | | 1.00 | | | 1.05 | | | | 1.10 | | | | | | | | | |
| - | - | - | - | - | - | 20.03 | 23.01 | 27.38 | 34.54 | 38.78 | 41.60 | 48.61 | 58.10 | 63.11 | 70.61 | 77.83 | 86.14 | 94.44 | 108.27 | 1 | |
| - | - | - | - | - | - | - | - | 22.10 | 29.53 | 33.87 | 36.73 | 43.84 | 53.40 | 58.44 | 65.98 | 73.21 | 81.55 | 89.87 | 103.72 | 2 | |
| - | - | - | - | - | - | - | - | - | 24.17 | 28.70 | 31.65 | 38.91 | 48.60 | 53.69 | 61.27 | 68.55 | 76.91 | 85.26 | 99.15 | 3 | |
| - | - | - | - | - | - | - | - | - | - | - | 26.22 | 33.77 | 43.67 | 48.82 | 56.48 | 63.81 | 72.22 | 80.60 | 94.53 | 4 | |
| - | 14.31 | 17.81 | 20.10 | 24.36 | 28.58 | 31.38 | 34.18 | 38.36 | 45.30 | 49.46 | 52.23 | 59.16 | 68.56 | 73.53 | 80.99 | 88.17 | 96.45 | 104.73 | 118.53 | 5 | |
| - | - | - | 15.39 | 19.84 | 24.17 | 27.02 | 29.86 | 34.08 | 41.08 | 45.27 | 48.05 | 55.00 | 64.43 | 69.41 | 76.89 | 84.08 | 92.37 | 100.66 | 114.46 | 6 | |
| - | - | - | - | - | - | - | - | - | - | - | 26.66 | 34.22 | 44.14 | 49.30 | 56.97 | 64.30 | 72.72 | 81.11 | 95.04 | 7 | |
| - | - | - | - | - | - | - | - | - | 24.60 | 29.15 | 32.11 | 39.38 | 49.09 | 54.17 | 61.77 | 69.05 | 77.42 | 85.77 | 99.66 | 8 | |
| - | 14.42 | 17.92 | 20.22 | 24.48 | 28.71 | 31.51 | 34.30 | 38.48 | 45.43 | 49.59 | 52.36 | 59.29 | 68.69 | 73.67 | 81.13 | 88.31 | 96.59 | 104.87 | 118.66 | 9 | |
| - | - | - | - | - | - | - | - | 22.54 | 29.99 | 34.34 | 37.21 | 44.32 | 53.90 | 58.94 | 66.48 | 73.72 | 82.06 | 90.39 | 104.24 | 10 | |
| - | - | - | - | - | 17.40 | 20.47 | 23.46 | 27.85 | 35.02 | 39.27 | 42.09 | 49.11 | 58.61 | 63.62 | 71.13 | 78.34 | 86.66 | 94.96 | 108.79 | 11 | |
| - | - | 13.13 | 15.61 | 20.07 | 24.41 | 27.26 | 30.10 | 34.33 | 41.33 | 45.52 | 48.31 | 55.26 | 64.69 | 69.67 | 77.15 | 84.34 | 92.63 | 100.92 | 114.73 | 12 | |
| - | - | - | - | - | - | - | - | - | - | - | 27.09 | 34.67 | 44.60 | 49.77 | 57.45 | 64.79 | 73.21 | 81.61 | 95.55 | 13 | |
| - | - | - | - | - | - | - | - | - | 25.04 | 29.59 | 32.56 | 39.85 | 49.57 | 54.66 | 62.26 | 69.55 | 77.92 | 86.28 | 100.17 | 14 | |
| - | - | 13.35 | 15.83 | 20.30 | 24.64 | 27.50 | 30.34 | 34.57 | 41.58 | 45.77 | 48.56 | 55.51 | 64.95 | 69.93 | 77.41 | 84.60 | 92.89 | 101.18 | 114.99 | 15 | |
| - | - | - | - | - | - | - | - | 22.98 | 30.44 | 34.80 | 37.68 | 44.80 | 54.39 | 59.44 | 66.98 | 74.23 | 82.57 | 90.90 | 104.76 | 16 | |
| - | - | - | - | 17.83 | 20.91 | 23.91 | 28.31 | 35.49 | 39.75 | 42.58 | 49.61 | 59.11 | 64.13 | 71.64 | 78.86 | 87.17 | 95.48 | 109.32 | 119.15 | 17 | |
| - | - | - | - | - | - | - | - | - | - | - | 27.52 | 35.12 | 45.07 | 50.24 | 57.93 | 65.28 | 73.71 | 82.11 | 96.05 | 18 | |
| - | - | - | - | - | - | - | - | - | 25.47 | 30.04 | 33.02 | 40.32 | 50.05 | 55.15 | 62.75 | 70.04 | 78.43 | 86.79 | 100.69 | 19 | |
| - | - | 13.56 | 16.05 | 20.53 | 24.88 | 27.74 | 30.58 | 34.82 | 41.83 | 46.02 | 48.81 | 55.77 | 65.20 | 70.19 | 77.67 | 84.86 | 93.16 | 101.45 | 115.26 | 20 | |
| - | - | - | - | - | 18.04 | 21.13 | 24.14 | 28.54 | 35.73 | 40.00 | 42.82 | 49.85 | 59.36 | 64.38 | 71.89 | 79.11 | 87.43 | 95.74 | 109.58 | 21 | |
| - | - | - | - | - | - | - | - | 23.42 | 30.90 | 35.27 | 38.15 | 45.28 | 54.88 | 59.93 | 67.48 | 74.73 | 83.08 | 91.41 | 105.28 | 22 | |
| - | - | 13.67 | 16.16 | 20.64 | 24.99 | 27.86 | 30.70 | 34.94 | 41.96 | 46.15 | 48.94 | 55.89 | 65.33 | 70.32 | 77.80 | 84.99 | 93.29 | 101.58 | 115.39 | 23 | |
| - | - | - | - | - | - | - | - | - | 24.78 | 29.96 | 32.56 | 39.85 | 49.57 | 54.66 | 62.26 | 69.55 | 77.92 | 86.28 | 100.17 | 24 | |
| - | - | 13.78 | 16.27 | 20.75 | 25.11 | 27.98 | 30.82 | 35.06 | 42.08 | 46.27 | 49.06 | 56.02 | 65.46 | 70.45 | 77.93 | 85.12 | 93.42 | 101.71 | 115.52 | 25 | |
| - | - | - | - | - | 18.26 | 21.35 | 24.36 | 28.77 | 35.97 | 40.24 | 43.07 | 50.10 | 59.61 | 64.63 | 72.15 | 79.37 | 87.69 | 96.00 | 109.84 | 26 | |
| - | - | - | - | - | - | - | - | 25.91 | 30.49 | 33.47 | 40.78 | 50.53 | 55.63 | 63.24 | 70.54 | 78.93 | 87.29 | 101.20 | 115.11 | 27 | |
| - | - | - | - | - | - | - | - | - | 25.20 | 28.39 | 36.02 | 46.00 | 51.19 | 58.89 | 66.25 | 74.70 | 83.10 | 97.06 | 111.03 | 28 | |
| - | - | - | - | - | - | - | 19.11 | 23.85 | 31.36 | 35.73 | 38.62 | 45.76 | 55.37 | 60.43 | 67.98 | 75.24 | 83.59 | 91.93 | 105.80 | 29 | |
| - | - | - | - | - | 18.47 | 21.57 | 24.58 | 29.00 | 36.21 | 40.48 | 43.31 | 50.35 | 59.86 | 64.89 | 72.40 | 79.62 | 87.95 | 96.26 | 110.10 | 30 | |
| - | - | - | - | - | - | - | - | - | 26.34 | 30.93 | 33.92 | 41.24 | 51.00 | 56.11 | 63.73 | 71.03 | 79.43 | 87.80 | 101.71 | 31 | |
| - | - | - | - | - | - | - | 19.32 | 24.07 | 31.58 | 35.97 | 38.86 | 46.00 | 55.62 | 60.68 | 68.23 | 75.49 | 83.85 | 92.18 | 106.05 | 32 | |
| - | - | - | - | - | 18.69 | 21.79 | 24.81 | 29.23 | 36.45 | 40.72 | 43.55 | 50.59 | 60.11 | 65.14 | 72.66 | 79.88 | 88.21 | 96.52 | 110.36 | 33 | |
| - | - | - | - | - | - | - | - | - | 25.63 | 28.82 | 36.47 | 46.47 | 51.66 | 59.37 | 66.74 | 75.19 | 83.60 | 97.57 | 111.44 | 34 | |
| - | - | - | - | - | - | - | 19.53 | 24.29 | 31.81 | 36.20 | 39.09 | 46.24 | 55.86 | 60.92 | 68.48 | 75.74 | 84.10 | 92.44 | 106.31 | 35 | |
| - | - | - | - | - | 18.90 | 22.01 | 25.03 | 29.46 | 36.68 | 40.96 | 43.79 | 50.84 | 60.36 | 65.39 | 72.91 | 80.14 | 88.46 | 96.78 | 110.62 | 36 | |
| - | - | - | - | - | - | - | - | 26.77 | 31.37 | 34.37 | 41.71 | 51.48 | 56.60 | 64.22 | 71.53 | 79.93 | 88.30 | 102.22 | 116.13 | 37 | |
| - | - | - | - | - | - | - | - | - | 26.05 | 29.25 | 36.91 | 46.93 | 52.13 | 59.85 | 67.22 | 75.68 | 84.10 | 98.07 | 112.08 | 38 | |
| - | - | - | - | - | - | - | 19.74 | 24.51 | 32.04 | 36.43 | 39.32 | 46.48 | 56.11 | 61.17 | 68.73 | 75.99 | 84.35 | 92.69 | 106.57 | 39 | |
| - | - | - | - | - | 19.01 | 22.12 | 25.14 | 29.58 | 36.80 | 41.08 | 43.91 | 50.96 | 60.49 | 65.51 | 73.04 | 80.26 | 88.59 | 96.91 | 110.75 | 40 | |
| - | - | - | - | - | - | - | - | - | 26.99 | 31.60 | 34.60 | 41.94 | 51.72 | 56.84 | 64.47 | 71.78 | 80.18 | 88.55 | 102.47 | 41 | |
| - | - | - | - | - | 19.12 | 22.23 | 25.26 | 29.69 | 36.92 | 41.20 | 44.03 | 51.09 | 60.61 | 65.64 | 73.16 | 80.39 | 88.72 | 97.04 | 110.88 | 42 | |
| - | - | - | - | - | - | - | 19.95 | 24.72 | 32.27 | 36.66 | 39.56 | 46.72 | 56.35 | 61.41 | 68.98 | 76.25 | 84.61 | 92.95 | 106.83 | 43 | |
| - | - | - | - | - | - | - | - | - | 27.21 | 31.82 | 34.82 | 42.17 | 51.96 | 57.08 | 64.17 | 72.02 | 80.43 | 88.80 | 102.73 | 44 | |
| - | - | - | - | - | - | - | - | - | - | - | 26.47 | 29.68 | 37.36 | 47.39 | 52.60 | 60.33 | 67.71 | 76.17 | 84.59 | 98.57 | 45 |
| - | - | - | - | - | - | - | 20.16 | 24.94 | 32.49 | 36.89 | 39.79 | 46.96 | 56.59 | 61.66 | 69.23 | 76.50 | 84.86 | 93.20 | 107.09 | 46 | |
| - | - | - | - | - | - | - | - | - | 27.42 | 32.04 | 35.04 | 42.40 | 52.19 | 57.32 | 64.95 | 72.27 | 80.68 | 89.06 | 102.98 | 47 | |
| - | - | - | - | - | - | - | - | - | 26.68 | 29.89 | 37.58 | 47.62 | 52.83 | 60.57 | 67.95 | 76.41 | 84.84 | 98.82 | 112.74 | 48 | |
| - | - | - | - | - | - | - | 20.27 | 25.05 | 32.61 | 37.01 | 39.91 | 47.08 | 56.72 | 61.78 | 69.36 | 76.62 | 84.99 | 93.33 | 107.21 | 49 | |
| - | - | - | - | - | - | - | 20.37 | 25.16 | 32.72 | 37.12 | 40.02 | 47.20 | 56.84 | 61.91 | 69.48 | 76.75 | 85.11 | 93.46 | 107.34 | 50 | |
| - | - | - | - | - | - | - | - | - | 27.64 | 32.26 | 35.27 | 42.63 | 52.43 | 57.56 | 65.20 | 72.52 | 80.92 | 89.31 | 103.23 | 51 | |
| - | - | - | - | - | - | - | - | - | 26.90 | 30.11 | 37.80 | 47.85 | 53.07 | 60.80 | 68.19 | 76.66 | 85.09 | 99.07 | 113.04 | 52 | |
| - | - | - | - | - | - | - | - | - | 27.11 | 30.32 | 38.03 | 48.08 | 53.30 | 61.04 | 68.43 | 76.90 | 85.34 | 99.32 | 113.39 | 53 | |
| - | - | - | - | - | - | - | - | - | 27.85 | 32.48 | 35.49 | 42.86 | 52.67 | 57.80 | 65.44 | 72.76 | 81.17 | 89.56 | 103.49 | 54 | |
| - | - | - | - | - | - | - | 19.70 | 27.96 | 32.59 | 35.60 | 42.98 | 52.79 | 57.92 | 65.56 | 72.88 | 81.30 | 89.68 | 103.62 | 113.52 | 55 | |
| - | - | - | - | - | - | - | - | - | 22.23 | 27.32 | 30.54 | 38.25 | 48.31 | 53.53 | 61.28 | 68.67 | 77.15 | 85.58 | 99.58 | 56 | |
| - | - | - | - | - | - | - | - | 19.81 | 28.07 | 32.70 | 35.72 | 43.09 | 52.90 | 58.04 | 65.68 | 73.01 | 81.42 | 89.81 | 103.74 | 57 | |
| - | - | - | - | - | - | - | - | - | 22.44 | 27.53 | 30.75 | 38.47 | 48.54 | 53.77 | 61.52 | 68.91 | 77.39 | 85.83 | 99.83 | 58 | |
| - | - | - | - | - | - | - | - | - | 22.54 | 27.63 | 30.86 | 38.58 | 48.66 | 53.88 | 61.64 | 69.03 | 77.51 | 85.95 | 99.95 | 59 | |
| - | - | - | - | - | - | - | - | - | 22.64 | 27.74 | 30.97 | 38.69 | 48.77 | 54.00 | 61.75 | 69.15 | 77.64 | 86.08 | 100.08 | 60 | |



TYPE A

TYPE B

TYPE C

TYPE D

TYPE 6

TABLE No. 1

SPECIFICATIONS

| SPROCKET NUMBER | BUSH-ING | BORE RANGE | | TYPE | No. TEETH | DIAMETERS | | | DIMENSIONS | | | | | | WT. Lbs. |
|--|----------|------------|---------|------|-----------|-----------|--------|--------|------------|-----|------|------|------|----|----------|
| | | MIN. | MAX. | | | P. D. | O. D. | FLANGE | E | F | H | K | L | M | |
| FOR 8M12 BELTS - 8mm PITCH - 12mm (.47") WIDE | | | | | | | | | | | | | | | |
| PB8MCS-22-12 | - | 1/2 | 1 3/16 | 6F | 22 | 2.206 | 2.143 | 2.559 | .46 | .85 | 1.76 | 1.76 | 1.31 | - | 1.0 |
| B8MCS-22-12 | 1008 | 1/2 | 1 | A1F | 22 | 2.206 | 2.143 | 2.559 | - | .88 | - | - | .88 | - | .4 |
| B8MCS-23-12 | 1108 | 1/2 | 1 1/8 | A1F | 23 | 2.306 | 2.253 | 2.756 | - | .88 | - | - | .88 | - | .4 |
| B8MCS-24-12 | 1108 | 1/2 | 1 1/8 | A1F | 24 | 2.406 | 2.343 | 2.756 | - | .88 | - | - | .88 | - | .5 |
| PB8MCS-25-12 | - | 1/2 | 1 1/2 | 6F | 25 | 2.506 | 2.443 | 2.953 | .46 | .85 | 2.08 | 2.08 | 1.31 | - | 1.4 |
| B8MCS-25-12 | 1108 | 1/2 | 1 1/8 | A1F | 25 | 2.506 | 2.443 | 2.953 | - | .88 | - | - | .88 | - | .6 |
| B8MCS-26-12 | 1108 | 1/2 | 1 1/8 | A1F | 26 | 2.607 | 2.544 | 2.953 | - | .88 | - | - | .88 | - | .7 |
| B8MCS-27-12 | 1108 | 1/2 | 1 1/8 | A1F | 27 | 2.707 | 2.644 | 3.15 | - | .88 | - | - | .88 | - | .8 |
| PB8MCS-28-12 | - | 1/2 | 1 3/4 | 6F | 28 | 2.807 | 2.744 | 3.15 | .46 | .85 | 2.35 | 2.35 | 1.31 | - | 1.8 |
| B8MCS-28-12 | 1108 | 1/2 | 1 1/8 | A1F | 28 | 2.807 | 2.744 | 3.15 | - | .88 | - | - | .88 | - | .9 |
| B8MCS-29-12 | 1108 | 1/2 | 1 1/8 | A1F | 29 | 2.907 | 2.844 | 3.346 | - | .88 | - | - | .88 | - | 1 |
| PB8MCS-30-12 | - | 1/2 | 1 13/32 | 6F | 30 | 3.008 | 2.945 | 3.346 | .57 | .85 | 2.54 | 2.54 | 1.42 | - | 2.2 |
| B8MCS-30-12 | 1210 | 1/2 | 1 1/4 | A1F | 30 | 3.008 | 2.945 | 3.346 | - | 1 | - | - | 1 | - | 1.1 |
| B8MCS-31-12 | 1210 | 1/2 | 1 1/4 | A1F | 31 | 3.108 | 3.045 | 3.543 | - | 1 | - | - | 1 | - | 1.2 |
| PB8MCS-32-12 | - | 1/2 | 2 | 6F | 32 | 3.208 | 3.145 | 3.543 | .57 | .85 | 2.73 | 2.73 | 1.42 | - | 2.5 |
| B8MCS-32-12 | 1210 | 1/2 | 1 1/4 | A1F | 32 | 3.208 | 3.145 | 3.543 | - | 1 | - | - | 1 | - | 1.2 |
| B8MCS-33-12 | 1610 | 1/2 | 1 5/8 | A1F | 33 | 3.308 | 3.245 | 3.819 | - | 1 | - | - | 1 | - | 1.3 |
| B8MCS-34-12 | 1610 | 1/2 | 1 5/8 | A1F | 34 | 3.409 | 3.346 | 3.819 | - | 1 | - | - | 1 | - | 1.3 |
| B8MCS-35-12 | 1610 | 1/2 | 1 5/8 | A1F | 35 | 3.509 | 3.446 | 3.938 | - | 1 | - | - | 1 | - | 1.3 |
| B8MCS-36-12 | 1610 | 1/2 | 1 5/8 | A1F | 36 | 3.609 | 3.546 | 3.938 | - | 1 | - | - | 1 | - | 1.4 |
| B8MCS-37-12 | 1610 | 1/2 | 1 5/8 | A1F | 37 | 3.709 | 3.646 | 4.156 | - | 1 | - | - | 1 | - | 1.6 |
| B8MCS-38-12 | 1610 | 1/2 | 1 5/8 | A1F | 38 | 3.810 | 3.747 | 4.156 | - | 1 | - | - | 1 | - | 1.7 |
| B8MCS-39-12 | 1610 | 1/2 | 1 5/8 | A1F | 39 | 3.910 | 3.847 | 4.331 | - | 1 | - | - | 1 | - | 1.7 |
| B8MCS-40-12 | 2012 | 1/2 | 2 | B1F | 40 | 4.010 | 3.947 | 4.331 | - | .85 | 3.5 | 3.5 | 1.25 | .4 | 1.7 |
| B8MCS-41-12 | 2012 | 1/2 | 2 | B1F | 41 | 4.110 | 4.047 | 4.331 | - | .85 | 3.5 | 3.5 | 1.25 | .4 | 1.8 |
| B8MCS-42-12 | 2012 | 1/2 | 2 | B1F | 42 | 4.211 | 4.148 | 4.687 | - | .85 | 3.76 | 3.76 | 1.25 | .4 | 2.1 |
| B8MCS-44-12 | 2012 | 1/2 | 2 | B1F | 44 | 4.411 | 4.348 | 4.764 | - | .85 | 3.88 | 3.88 | 1.25 | .4 | 2.5 |
| B8MCS-45-12 | 2012 | 1/2 | 2 | B1F | 45 | 4.511 | 4.448 | 5.005 | - | .85 | 3.88 | 3.88 | 1.25 | .4 | 2.6 |
| B8MCS-48-12 | 2012 | 1/2 | 2 | B1F | 48 | 4.812 | 4.749 | 5.157 | - | .85 | 4.25 | 4.25 | 1.25 | .4 | 3.4 |
| B8MCS-50-12 | 2012 | 1/2 | 2 | B1F | 50 | 5.013 | 4.950 | 5.32 | - | .85 | 4.25 | 4.25 | 1.25 | .4 | 3.7 |
| B8MCS-53-12 | 2012 | 1/2 | 2 | B1F | 53 | 5.314 | 5.251 | 5.625 | - | .85 | 4.25 | 4.25 | 1.25 | .4 | 4.7 |
| B8MCS-56-12 | 2012 | 1/2 | 2 | B1F | 56 | 5.614 | 5.551 | 5.945 | - | .85 | 4.38 | 4.38 | 1.25 | .4 | 5.4 |
| B8MCS-60-12 | 2012 | 1/2 | 2 | B1F | 60 | 6.015 | 5.952 | 6.375 | - | .85 | 4.38 | 4.38 | 1.25 | .4 | 6.3 |
| B8MCS-63-12 | 2012 | 1/2 | 2 | C1F | 63 | 6.316 | 6.253 | 6.772 | - | .85 | 4.38 | 4.38 | 1.25 | .4 | 4.1 |
| B8MCS-64-12 | 2012 | 1/2 | 2 | C1F | 64 | 6.416 | 6.353 | 6.772 | - | .85 | 4.38 | 4.38 | 1.25 | .4 | 4.2 |
| B8MCS-67-12 | 2012 | 1/2 | 2 | C1F | 67 | 6.717 | 6.654 | 7.231 | - | .85 | 4.38 | 4.38 | 1.25 | .4 | 4.3 |
| B8MCS-71-12 | 2012 | 1/2 | 2 | C1F | 71 | 7.118 | 7.055 | 7.575 | - | .85 | 4.38 | 4.38 | 1.25 | .4 | 4.7 |
| B8MCS-72-12 | 2012 | 1/2 | 2 | C1F | 72 | 7.218 | 7.155 | 7.575 | - | .85 | 4.38 | 4.38 | 1.25 | .4 | 4.8 |
| B8MCS-75-12 | 2012 | 1/2 | 2 | C1F | 75 | 7.519 | 7.456 | 7.867 | - | .85 | 4.38 | 4.38 | 1.25 | .4 | 5.1 |
| B8MCS-80-12 | 2012 | 1/2 | 2 | C1F | 80 | 8.020 | 7.957 | 8.386 | - | .85 | 4.88 | 4.88 | 1.25 | .4 | 5.8 |
| B8MCS-90-12 | 2012 | 1/2 | 2 | C2 | 90 | 9.023 | 8.960 | - | - | .85 | 4.88 | 4.88 | 1.25 | .4 | 8 |
| B8MCS-112-12 | 2012 | 1/2 | 2 | C2 | 112 | 11.229 | 11.166 | - | - | .85 | 4 | 4 | 1.25 | .4 | 12 |
| B8MCS-140-12 | 2012 | 1/2 | 2 | C3 | 140 | 14.036 | 13.973 | - | - | .85 | 4.38 | 4.38 | 1.25 | .4 | 17 |
| B8MCS-180-12 | 2517 | 1/2 | 2 1/2 | C3 | 180 | 18.046 | 17.983 | - | - | .85 | 4.88 | 4.88 | 1.75 | .9 | 26 |
| B8MCS-224-12 | 2517 | 1/2 | 2 1/2 | C3 | 224 | 22.457 | 22.394 | - | - | .85 | 4.88 | 4.88 | 1.75 | .9 | 37 |

NOTE - Numerals in Type Designations mean: 1 = Solid, 2 = Web, 3 = Arm Construction; F = Flanged Sprocket.

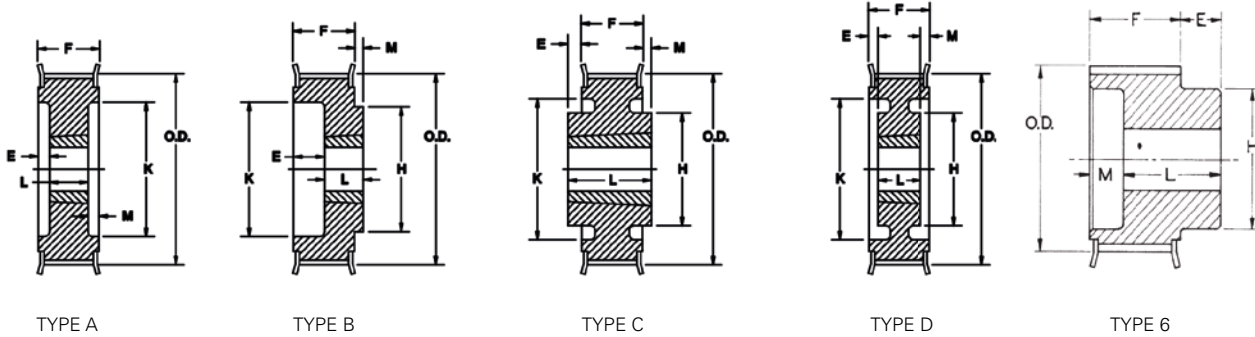


TABLE No. 1

SPECIFICATIONS

| SPROCKET NUMBER | BUSHING | BORE RANGE | | TYPE | No. TEETH | DIAMETERS | | | DIMENSIONS | | | | | | WT. Lbs. |
|--|---------|------------|----------|------|-----------|-----------|--------|--------|------------|------|------|-------|------|-----|----------|
| | | MIN. | MAX. | | | P. D. | O. D. | FLANGE | E | F | H | K | L | M | |
| FOR 8M21 BELTS - 8mm PITCH - 21mm (.83") WIDE | | | | | | | | | | | | | | | |
| PB8MCS-22-21 | - | 1/2" | 1 3/16" | 6F | 22 | 2.206 | 2.143 | 2.559 | - | 1.2 | 1.76 | - | 1.65 | - | 1.4 |
| B8MCS-22-21 | 1008 | 1/2 | 1 | A1F | 22 | 2.206 | 2.143 | 2.559 | - | 1.2 | - | 1.63 | .88 | .33 | .6 |
| B8MCS-23-21 | 1108 | 1/2 | 1 1/8" | A1F | 23 | 2.306 | 2.253 | 2.756 | - | 1.2 | - | 1.63 | .88 | .33 | .7 |
| B8MCS-24-21 | 1108 | 1/2 | 1 1/8" | A1F | 24 | 2.406 | 2.343 | 2.756 | - | 1.2 | - | 1.63 | .88 | .33 | .8 |
| PB8MCS-25-21 | - | 1/2 | 1 1/2" | 6F | 25 | 2.506 | 2.443 | 2.953 | - | 1.2 | 2.08 | - | 1.65 | - | 1.9 |
| B8MCS-25-21 | 1108 | 1/2 | 1 1/8" | A1F | 25 | 2.506 | 2.443 | 2.953 | - | 1.2 | - | 1.92 | .88 | .33 | .9 |
| B8MCS-26-21 | 1108 | 1/2 | 1 1/8" | A1F | 26 | 2.607 | 2.544 | 2.953 | - | 1.2 | - | 1.92 | .88 | .33 | 1. |
| B8MCS-27-21 | 1108 | 1/2 | 1 1/8" | A1F | 27 | 2.707 | 2.644 | 3.15 | - | 1.2 | - | 1.92 | .88 | .33 | 1.1 |
| PB8MCS-28-21 | - | 1/2 | 1 3/4" | 6F | 28 | 2.807 | 2.744 | 3.15 | .45 | 1.2 | 2.35 | - | 1.65 | - | 2.4 |
| B8MCS-28-21 | 1108 | 1/2 | 1 1/8" | A1F | 28 | 2.807 | 2.744 | 3.15 | - | 1.2 | - | 2.18 | .88 | .33 | 1.2 |
| B8MCS-29-21 | 1108 | 1/2 | 1 1/8" | A1F | 29 | 2.907 | 2.844 | 3.346 | - | 1.2 | - | 1.92 | .88 | .33 | 1.4 |
| PB8MCS-30-21 | - | 1/2 | 1 13/16" | 6F | 30 | 3.008 | 2.945 | 3.346 | .57 | 1.2 | 2.54 | - | 1.77 | - | 2.9 |
| B8MCS-30-21 | 1210 | 1/2 | 1 1/4" | A1F | 30 | 3.008 | 2.945 | 3.346 | - | 1.2 | - | 2.38 | 1 | .2 | 1.6 |
| B8MCS-31-21 | 1210 | 1/2 | 1 1/4" | A1F | 31 | 3.108 | 3.045 | 3.543 | - | 1.2 | - | 2.58 | 1 | .2 | 1.4 |
| PB8MCS-32-21 | - | 1/2 | 2" | 6F | 32 | 3.208 | 3.145 | 3.543 | .57 | 1.2 | 2.73 | - | 1.77 | - | 3.2 |
| B8MCS-32-21 | 1210 | 1/2 | 1 1/4" | A1F | 32 | 3.208 | 3.145 | 3.543 | - | 1.2 | - | 2.58 | 1 | .2 | 1.4 |
| B8MCS-33-21 | 1610 | 1/2 | 1 5/8" | A1F | 33 | 3.308 | 3.245 | 3.819 | - | 1.2 | - | 2.66 | 1 | .2 | 1.4 |
| B8MCS-34-21 | 1610 | 1/2 | 1 5/8" | A1F | 34 | 3.409 | 3.346 | 3.819 | - | 1.2 | - | 2.66 | 1 | .2 | 1.4 |
| B8MCS-35-21 | 1610 | 1/2 | 1 5/8" | A1F | 35 | 3.509 | 3.446 | 3.938 | - | 1.2 | - | 2.65 | 1 | .2 | 1.5 |
| B8MCS-36-21 | 1610 | 1/2 | 1 5/8" | A1F | 36 | 3.609 | 3.546 | 3.938 | - | 1.2 | - | 2.65 | 1 | .20 | 1.6 |
| B8MCS-37-21 | 1610 | 1/2 | 1 5/8" | A1F | 37 | 3.709 | 3.646 | 4.156 | - | 1.2 | - | 2.75 | 1 | .20 | 1.7 |
| B8MCS-38-21 | 1610 | 1/2 | 1 5/8" | A1F | 38 | 3.810 | 3.747 | 4.156 | - | 1.2 | - | 2.75 | 1 | .20 | 1.9 |
| B8MCS-39-21 | 1610 | 1/2 | 1 5/8" | A1F | 39 | 3.910 | 3.847 | 4.331 | - | 1.2 | - | 2.75 | 1 | .20 | 2. |
| B8MCS-40-21 | 2012 | 1/2 | 2" | A1F | 40 | 4.010 | 3.947 | 4.331 | - | 1.25 | - | - | 1.25 | - | 2 |
| B8MCS-41-21 | 2012 | 1/2 | 2" | A1F | 41 | 4.110 | 4.047 | 4.331 | - | 1.25 | - | - | 1.25 | - | 2.2 |
| B8MCS-42-21 | 2012 | 1/2 | 2" | A1F | 42 | 4.211 | 4.148 | 4.687 | - | 1.25 | - | - | 1.25 | - | 2.4 |
| B8MCS-44-21 | 2012 | 1/2 | 2" | A1F | 44 | 4.411 | 4.348 | 4.764 | - | 1.25 | - | - | 1.25 | - | 2.8 |
| B8MCS-45-21 | 2012 | 1/2 | 2" | A1F | 45 | 4.511 | 4.448 | 5.005 | - | 1.25 | - | - | 1.25 | - | 3 |
| B8MCS-48-21 | 2012 | 1/2 | 2" | A1F | 48 | 4.812 | 4.749 | 5.157 | - | 1.25 | - | - | 1.25 | - | 3.7 |
| B8MCS-50-21 | 2012 | 1/2 | 2" | A1F | 50 | 5.013 | 4.950 | 5.32 | - | 1.25 | - | - | 1.25 | - | 4.2 |
| B8MCS-53-21 | 2012 | 1/2 | 2" | A1F | 53 | 5.314 | 5.251 | 5.625 | - | 1.25 | - | - | 1.25 | - | 5 |
| B8MCS-56-21 | 2012 | 1/2 | 2" | A1F | 56 | 5.614 | 5.551 | 5.945 | - | 1.25 | - | - | 1.25 | - | 5.8 |
| B8MCS-60-21 | 2012 | 1/2 | 2" | A1F | 60 | 6.015 | 5.952 | 6.375 | - | 1.25 | - | - | 1.25 | - | 6.9 |
| B8MCS-63-21 | 2012 | 1/2 | 2" | C1F | 63 | 6.316 | 6.253 | 6.772 | - | 1.2 | 3.76 | 5.71 | 1.25 | .05 | 4.1 |
| B8MCS-64-21 | 2012 | 1/2 | 2" | C1F | 64 | 6.416 | 6.353 | 6.772 | - | 1.2 | 3.76 | 5.71 | 1.25 | .05 | 4.2 |
| B8MCS-67-21 | 2517 | 1/2 | 2 1/2" | C1F | 67 | 6.717 | 6.654 | 7.231 | - | 1.2 | 4.5 | 6.14 | 1.75 | .55 | 5.7 |
| B8MCS-71-21 | 2517 | 1/2 | 2 1/2" | C1F | 71 | 7.118 | 7.055 | 7.575 | - | 1.2 | 4.5 | 6.51 | 1.75 | .55 | 6.1 |
| B8MCS-72-21 | 2517 | 1/2 | 2 1/2" | C1F | 72 | 7.218 | 7.155 | 7.575 | - | 1.2 | 4.5 | 6.51 | 1.75 | .55 | 6.2 |
| B8MCS-75-21 | 2517 | 1/2 | 2 1/2" | C1F | 75 | 7.519 | 7.456 | 7.867 | - | 1.2 | 4.5 | 6.9 | 1.75 | .55 | 6.5 |
| B8MCS-80-21 | 2517 | 1/2 | 2 1/2" | C1F | 80 | 8.020 | 7.957 | 8.386 | - | 1.2 | 4.5 | 7.23 | 1.75 | .55 | 7.5 |
| B8MCS-90-21 | 2517 | 1/2 | 2 1/2" | C2 | 90 | 9.023 | 8.960 | - | - | 1.2 | 4.5 | 7.78 | 1.75 | .55 | 11 |
| B8MCS-112-21 | 2517 | 1/2 | 2 1/2" | C2 | 112 | 11.229 | 11.166 | - | - | 1.2 | 4.5 | 10 | 1.75 | .55 | 14. |
| B8MCS-140-21 | 2517 | 1/2 | 2 1/2" | C3 | 140 | 14.036 | 13.973 | - | - | 1.2 | 4.88 | 11.74 | 1.75 | .55 | 24 |
| B8MCS-180-21 | 3020 | 15/16" | 3" | C3 | 180 | 18.046 | 17.983 | - | - | 1.2 | 6.25 | 15.49 | 2 | .8 | 39 |
| B8MCS-224-21 | 3020 | 15/16" | 3" | C3 | 224 | 22.457 | 22.394 | - | - | 1.2 | 6.25 | 19.86 | 2 | .8 | 53 |

NOTE - Numerals in Type Designations mean: 1 = Solid, 2 = Web, 3 = Arm Construction; F = Flanged Sprocket.

TABLE No. 1

SPECIFICATIONS

| SPROCKET NUMBER | BUSHING | BORE RANGE | | TYPE | No. TEETH | DIAMETERS | | | DIMENSIONS | | | | | WT. Lbs. | |
|---|---------|------------|---------|------|-----------|-----------|--------|--------|------------|------|------|-------|------|----------|------|
| | | MIN. | MAX. | | | P. D. | O. D. | FLANGE | E | F | H | K | L | | M |
| FOR 8M36 BELTS - 8mm PITCH - 36mm (1.42") WIDE | | | | | | | | | | | | | | | |
| PB8MCS-22-36 | - | 1/2 | 1 3/16 | 6F | 22 | 2.206 | 2.143 | 2.559 | .58 | 1.86 | 1.76 | - | 2.44 | - | 2 |
| PB8MCS-25-36 | - | 1/2 | 1 1/2 | 6F | 25 | 2.506 | 2.443 | 2.953 | .58 | 1.86 | 2.08 | - | 2.44 | - | 2.8 |
| PB8MCS-28-36 | - | 1/2 | 1 3/4 | 6F | 28 | 2.807 | 2.744 | 3.15 | .58 | 1.86 | 2.36 | - | 2.44 | - | 3.5 |
| PB8MCS-30-36 | - | 1/2 | 1 13/16 | 6F | 30 | 3.008 | 2.945 | 3.346 | .58 | 1.86 | 2.54 | - | 2.44 | - | 4.1 |
| PB8MCS-30-36 | - | 1/2 | 2 | 6F | 32 | 3.208 | 2.145 | 3.543 | .58 | 1.86 | 2.73 | - | 2.44 | - | 4.5 |
| B8MCS-32-36 | 1210 | 1/2 | 1 1/4 | A1F | 32 | 3.208 | 3.145 | 3.543 | - | 1.86 | - | 2.58 | 1 | .86 | 1.7 |
| B8MCS-33-36 | 1610 | 1/2 | 1 5/8 | A1F | 33 | 3.308 | 3.245 | 3.819 | - | 1.86 | - | 2.66 | 1 | .86 | 1.8 |
| PB8MCS-34-36 | - | 1/2 | 2 1/8 | 6F | 34 | 3.409 | 3.346 | 3.819 | .59 | 1.86 | 2.82 | - | 2.45 | - | 5.1 |
| B8MCS-34-36 | 1610 | 1/2 | 1 5/8 | A1F | 34 | 3.409 | 3.346 | 3.819 | - | 1.86 | - | 2.76 | 1 | .86 | 1.8 |
| B8MCS-35-36 | 1610 | 1/2 | 1 5/8 | A1F | 35 | 3.509 | 3.446 | 3.938 | - | 1.86 | - | 2.86 | 1 | .86 | 2 |
| PB8MCS-36-36 | - | 1/2 | 2 5/16 | 6F | 36 | 3.609 | 3.546 | 3.938 | .65 | 1.86 | 3.13 | - | 2.51 | - | 5.9 |
| B8MCS-36-36 | 1610 | 1/2 | 1 5/8 | A1F | 36 | 3.609 | 3.555 | 3.938 | - | 1.86 | - | 2.96 | 1 | .86 | 2.1 |
| B8MCS-37-36 | 1610 | 1/2 | 1 5/8 | A1F | 37 | 3.709 | 3.646 | 4.156 | - | 1.86 | - | 3.15 | 1 | .86 | 2.3 |
| PB8MCS-38-36 | - | 1/2 | 2 7/16 | 6F | 38 | 3.810 | 3.747 | 4.156 | .65 | 1.86 | 3.32 | - | 2.51 | - | 6.7 |
| B8MCS-38-36 | 1610 | 1/2 | 1 5/8 | A1F | 38 | 3.810 | 3.747 | 4.156 | - | 1.86 | - | 3.15 | 1 | .86 | 2.4 |
| B8MCS-39-36 | 1610 | 1/2 | 1 5/8 | A1F | 39 | 3.910 | 3.847 | 4.331 | - | 1.86 | - | 3.15 | 1 | .86 | 2.4 |
| B8MCS-40-36 | 2012 | 1/2 | 2 | A1F | 40 | 4.010 | 3.947 | 4.331 | - | 1.86 | - | 3.35 | 1.25 | .61 | 2.5 |
| B8MCS-41-36 | 2012 | 1/2 | 2 | A1F | 41 | 4.110 | 4.047 | 4.331 | - | 1.86 | - | 3.35 | 1.25 | .61 | 2.7 |
| B8MCS-42-36 | 2012 | 1/2 | 2 | A1F | 42 | 4.211 | 4.148 | 4.687 | - | 1.86 | - | 3.62 | 1.25 | .61 | 2.8 |
| B8MCS-45-36 | 2012 | 1/2 | 2 | A1F | 45 | 4.511 | 4.448 | 5.005 | - | 1.86 | - | 3.62 | 1.25 | .61 | 3.8 |
| B8MCS-48-36 | 2012 | 1/2 | 2 | A1F | 48 | 4.812 | 4.749 | 5.157 | - | 1.86 | - | 4.14 | 1.25 | .61 | 4.3 |
| B8MCS-50-36 | 2012 | 1/2 | 2 | A1F | 50 | 5.013 | 4.950 | 5.32 | - | 1.86 | - | 4.13 | 1.25 | .61 | 5.1 |
| B8MCS-53-36 | 2012 | 1/2 | 2 | A1F | 53 | 5.314 | 5.251 | 5.625 | - | 1.86 | - | 4.76 | 1.25 | .61 | 5.5 |
| B8MCS-56-36 | 2012 | 1/2 | 2 | A1F | 56 | 5.614 | 5.551 | 5.945 | - | 1.86 | - | 4.92 | 1.25 | .61 | 6.5 |
| B8MCS-60-36 | 2517 | 1/2 | 2 1/2 | A1F | 60 | 6.015 | 5.952 | 6.375 | - | 1.86 | - | 5.13 | 1.75 | .11 | 8.9 |
| B8MCS-63-36 | 2517 | 1/2 | 2 1/2 | A1F | 63 | 6.316 | 6.253 | 6.772 | - | 1.86 | - | 5.71 | 1.75 | .11 | 10.4 |
| B8MCS-67-36 | 2517 | 1/2 | 2 1/2 | D1F | 67 | 6.717 | 6.654 | 7.231 | - | 1.86 | 4.25 | 5.98 | 1.75 | .11 | 6.5 |
| B8MCS-71-36 | 2517 | 1/2 | 2 1/2 | D1F | 71 | 7.118 | 7.055 | 7.575 | - | 1.86 | 4.25 | 6.39 | 1.75 | .11 | 7 |
| B8MCS-75-36 | 2517 | 1/2 | 2 1/2 | D1F | 75 | 7.519 | 7.456 | 7.867 | - | 1.86 | 4.25 | 6.79 | 1.75 | .11 | 7.3 |
| B8MCS-80-36 | 3020 | 15/16 | 3 | B1F | 80 | 8.020 | 7.957 | 8.386 | - | 1.86 | 5.75 | - | 2 | .14 | 17.9 |
| B8MCS-90-36 | 3020 | 15/16 | 3 | B1 | 90 | 9.023 | 8.960 | - | - | 1.86 | 5.75 | - | 2 | .14 | 25 |
| B8MCS-112-36 | 3020 | 15/16 | 3 | C2 | 112 | 11.229 | 11.166 | - | - | 1.86 | 5.75 | 9.8 | 2 | .14 | 22 |
| B8MCS-140-36 | 3020 | 15/16 | 3 | C3 | 140 | 14.036 | 13.973 | - | - | 1.86 | 6.25 | 11.72 | 2 | .14 | 39 |
| B8MCS-180-36 | 3020 | 15/16 | 3 | C3 | 180 | 18.046 | 17.983 | - | - | 1.86 | 6.25 | 15.31 | 2 | .14 | 55 |
| B8MCS-224-36 | 3525 | 1 3/16 | 3 15/16 | C3 | 224 | 22.457 | 22.394 | - | - | 1.86 | 8.75 | 19.62 | 2.5 | .64 | 92 |

FOR 8M62 BELTS - 8mm PITCH - 62mm (2.44") WIDE

| | | | | | | | | | | | | | | | |
|--------------|------|--------|---------|-----|-----|--------|--------|-------|-----|------|------|-------|------|------|------|
| PB8MCS-22-62 | - | 1 | 1 3/16 | 6F | 22 | 2.206 | 2.143 | 2.559 | .65 | 2.91 | 1.76 | - | 3.56 | - | 2.4 |
| PB8MCS-25-62 | - | 1 | 1 1/2 | 6F | 25 | 2.506 | 2.443 | 2.953 | .65 | 2.91 | 2.08 | - | 3.56 | - | 3.6 |
| PB8MCS-28-62 | - | 1 | 1 3/4 | 6F | 28 | 2.807 | 2.744 | 3.15 | .65 | 2.91 | 2.35 | - | 3.56 | - | 4.6 |
| PB8MCS-30-62 | - | 1 | 1 13/16 | 6F | 30 | 3.008 | 2.945 | 3.346 | .58 | 2.91 | 2.54 | - | 3.5 | - | 5.3 |
| PB8MCS-32-62 | - | 1 | 2 | 6F | 32 | 3.208 | 3.145 | 3.543 | .59 | 2.91 | 2.73 | - | 3.5 | - | 6.2 |
| PB8MCS-34-62 | - | 1 | 2 1/8 | 6F | 34 | 3.409 | 3.346 | 3.819 | .59 | 2.91 | 2.82 | - | 3.5 | - | 6.9 |
| B8MCS-34-62 | 1610 | 1/2 | 1 5/8 | A1F | 34 | 3.409 | 3.346 | 3.819 | - | 2.91 | - | 2.66 | 1 | 1.91 | 2.6 |
| PB8MCS-36-62 | - | 1 | 2 5/16 | 6F | 36 | 3.609 | 3.546 | 3.938 | .65 | 2.91 | 3.13 | - | 3.56 | - | 8 |
| B8MCS-36-62 | 1610 | 1/2 | 1 5/8 | A1F | 36 | 3.609 | 3.546 | 3.938 | - | 2.91 | - | 2.96 | 1 | 1.91 | 2.8 |
| PB8MCS-38-62 | - | 1 | 2 7/16 | 6F | 38 | 3.810 | 3.546 | 4.156 | .65 | 2.91 | 3.32 | - | 3.56 | - | 9.1 |
| B8MCS-38-62 | 1610 | 1/2 | 1 5/8 | A1F | 38 | 3.810 | 3.747 | 4.156 | - | 2.91 | - | 3.15 | 1 | 1.91 | 3.1 |
| PB8MCS-40-62 | - | 1/2 | 2 9/16 | 6F | 40 | 4.010 | 3.947 | 4.331 | .72 | 2.91 | 3.52 | - | 3.63 | - | 10.3 |
| B8MCS-40-62 | 2012 | 1/2 | 2 | A1F | 40 | 4.010 | 3.947 | 4.331 | - | 2.91 | - | 3.35 | 1.25 | 1.66 | 3.3 |
| PB8MCS-42-62 | - | 1 | 2 3/4 | 6F | 42 | 4.211 | 4.148 | 4.687 | .72 | 2.91 | 3.79 | - | 3.63 | - | 11.6 |
| B8MCS-42-62 | 2012 | 1/2 | 2 | A1F | 42 | 4.211 | 4.148 | 4.687 | - | 2.91 | - | 3.62 | 1.25 | 1.66 | 3.6 |
| PB8MCS-45-62 | - | 1 | 2 3/4 | 6F | 45 | 4.511 | 4.448 | 5.005 | .72 | 2.91 | 3.79 | - | 3.63 | - | 13.1 |
| B8MCS-45-62 | 2012 | 1/2 | 2 | A1F | 45 | 4.511 | 4.448 | 5.005 | - | 2.91 | - | 3.62 | 1.25 | 1.66 | 5.1 |
| B8MCS-48-62 | 2517 | 1/2 | 2 1/2 | A1F | 48 | 4.812 | 4.749 | 5.157 | - | 2.91 | - | 4.14 | 1.75 | 1.16 | 5.1 |
| B8MCS-50-62 | 2517 | 1/2 | 2 1/2 | A1F | 50 | 5.013 | 4.950 | 5.32 | - | 2.91 | - | 4.13 | 1.75 | 1.16 | 6.3 |
| B8MCS-53-62 | 2517 | 1/2 | 2 1/2 | A1F | 53 | 5.314 | 5.251 | 5.625 | - | 2.91 | - | 4.76 | 1.75 | 1.16 | 6.7 |
| B8MCS-56-62 | 2517 | 1/2 | 2 1/2 | A1F | 56 | 5.614 | 5.551 | 5.945 | - | 2.91 | - | 4.92 | 1.75 | 1.16 | 8.3 |
| B8MCS-60-62 | 3020 | 15/16 | 3 | A1F | 60 | 6.015 | 5.952 | 6.375 | - | 2.91 | - | 5.13 | 2 | .91 | 8.9 |
| B8MCS-63-62 | 3020 | 15/16 | 3 | A1F | 63 | 6.316 | 6.253 | 6.772 | - | 2.91 | - | 5.71 | 2 | .91 | 9.9 |
| B8MCS-67-62 | 3020 | 15/16 | 3 | A1F | 67 | 6.717 | 6.654 | 7.231 | - | 2.91 | - | 6.14 | 2 | .91 | 12 |
| B8MCS-71-62 | 3020 | 15/16 | 3 | A1F | 71 | 7.118 | 7.055 | 7.575 | - | 2.91 | - | 6.51 | 2 | .91 | 14.4 |
| B8MCS-75-62 | 3020 | 15/16 | 3 | A1F | 75 | 7.519 | 7.456 | 7.867 | - | 2.91 | - | 6.9 | 2 | .91 | 16.8 |
| B8MCS-80-62 | 3020 | 15/16 | 3 | A1F | 80 | 8.020 | 7.957 | 8.386 | - | 2.91 | - | 7.23 | 2 | .91 | 20.5 |
| B8MCS-90-62 | 3020 | 15/16 | 3 | D1 | 90 | 9.023 | 8.960 | - | - | 2.91 | 5.42 | 7.39 | 2 | .91 | 30 |
| B8MCS-112-62 | 3020 | 15/16 | 3 | D2 | 112 | 11.229 | 11.166 | - | - | 2.91 | 5.42 | 9.6 | 2 | .91 | 31 |
| B8MCS-140-62 | 3525 | 1 3/16 | 3 15/16 | D2 | 140 | 14.036 | 13.973 | - | - | 2.91 | 8.75 | 12.4 | 2.5 | .41 | 63 |
| B8MCS-180-62 | 3525 | 1 3/16 | 3 15/16 | D3 | 180 | 18.046 | 17.983 | - | - | 2.91 | 8.75 | 15.33 | 2.5 | .41 | 92 |
| B8MCS-224-62 | 3525 | 1 3/16 | 3 15/16 | D3 | 224 | 22.457 | 22.394 | - | - | 2.91 | 8.75 | 19.38 | 2.5 | .41 | 128 |

NOTE - Numerals in Type Designations mean: 1 = Solid, 2 = Web, 3 = Arm Construction; F = Flanged Sprocket.

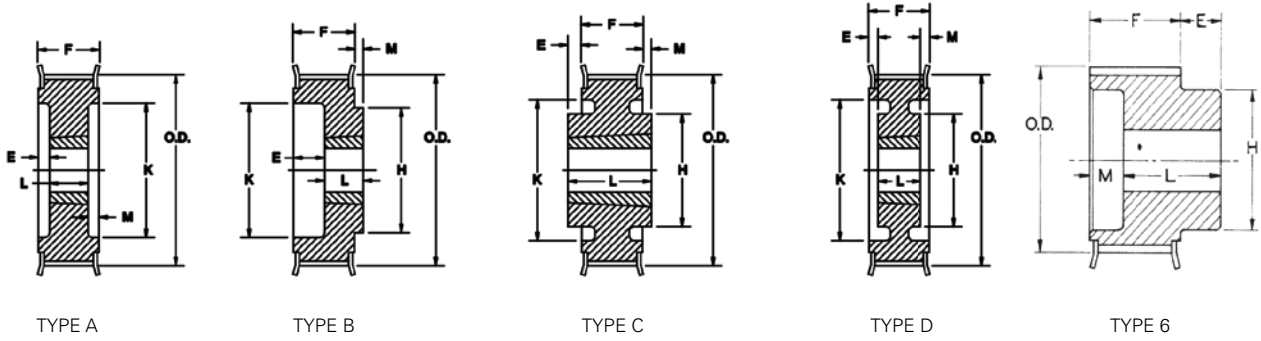


TABLE No. 1

SPECIFICATIONS

| SPROCKET NUMBER | BUSHING | BORE RANGE | | TYPE | No. TEETH | DIAMETERS | | | DIMENSIONS | | | | | WT. Lbs. | |
|---|---------|------------|---------|------|-----------|-----------|--------|--------|------------|-------|------|-------|------|----------|------|
| | | MIN. | MAX. | | | P. D. | O. D. | FLANGE | E | F | H | K | L | | M |
| FOR 14M20 BELTS - 14mm PITCH - 20mm (.79") WIDE | | | | | | | | | | | | | | | |
| B14MCS-28-20 | 2012 | 1/2" | 2 | A1F | 28 | 4.912" | 4.802" | 5.562" | - | 1.36" | 3.61 | 1.25" | .11" | 3.9 | |
| B14MCS-29-20 | 2012 | 1/2" | 2 | A1F | 29 | 5.088 | 4.978 | 5.562 | - | 1.36 | 3.99 | 1.25 | .11 | 4.5 | |
| B14MCS-30-20 | 2012 | 1/2" | 2 | A1F | 30 | 5.263 | 5.153 | 5.763 | - | 1.36 | 3.99 | 1.25 | .11 | 4.8 | |
| B14MCS-31-20 | 2012 | 1/2" | 2 | A1F | 31 | 5.439 | 5.329 | 6.124 | - | 1.36 | 4.22 | 1.25 | .11 | 5.5 | |
| B14MCS-32-20 | 2012 | 1/2" | 2 | A1F | 32 | 5.614 | 5.504 | 6.124 | - | 1.36 | 4.22 | 1.25 | .11 | 5.8 | |
| B14MCS-33-20 | 2012 | 1/2" | 2 | A1F | 33 | 5.790 | 5.680 | 6.465 | - | 1.36 | 4.53 | 1.25 | .11 | 6.3 | |
| B14MCS-34-20 | 2012 | 1/2" | 2 | A1F | 34 | 5.965 | 5.855 | 6.465 | - | 1.36 | 4.53 | 1.25 | .11 | 6.8 | |
| B14MCS-35-20 | 2012 | 1/2" | 2 | A1F | 35 | 6.141 | 6.031 | 6.816 | - | 1.36 | 4.95 | 1.25 | .11 | 7.3 | |
| B14MCS-36-20 | 2517 | 1/2" | 2 1/2 | B1F | 36 | 6.316 | 6.206 | 6.816 | - | 1.36 | 4.25 | - | 1.75 | .39 | 7.6 |
| B14MCS-37-20 | 2517 | 1/2" | 2 1/2 | B1F | 37 | 6.492 | 6.382 | 7.167 | - | 1.36 | 4.25 | - | 1.75 | .39 | 8.2 |
| B14MCS-38-20 | 2517 | 1/2" | 2 1/2 | B1F | 38 | 6.667 | 6.557 | 7.167 | - | 1.36 | 4.25 | - | 1.75 | .39 | 8.8 |
| B14MCS-39-20 | 2517 | 1/2" | 2 1/2 | B1F | 39 | 6.842 | 6.732 | 7.518 | - | 1.36 | 4.25 | - | 1.75 | .39 | 9.8 |
| B14MCS-40-20 | 2517 | 1/2" | 2 1/2 | B1F | 40 | 7.018 | 6.908 | 7.518 | - | 1.36 | 4.25 | - | 1.75 | .39 | 10.1 |
| B14MCS-43-20 | 2517 | 1/2" | 2 1/2 | B1F | 43 | 7.544 | 7.434 | 8.395 | - | 1.36 | 4.25 | - | 1.75 | .39 | 11.7 |
| B14MCS-45-20 | 3020 | 15/16 | 3 | B1F | 45 | 7.895 | 7.785 | 8.395 | - | 1.36 | 5.41 | - | 2 | .64 | 13.5 |
| B14MCS-48-20 | 3020 | 15/16 | 3 | B1F | 48 | 8.421 | 8.311 | 8.941 | - | 1.36 | 5.75 | - | 2 | .64 | 16.5 |
| B14MCS-50-20 | 3020 | 15/16 | 3 | B1F | 50 | 8.772 | 8.662 | 9.292 | - | 1.36 | 5.75 | - | 2 | .64 | 18.3 |
| B14MCS-53-20 | 3020 | 15/16 | 3 | B1F | 53 | 9.299 | 9.189 | 9.687 | - | 1.36 | 5.75 | - | 2 | .64 | 20.5 |
| B14MCS-56-20 | 3525 | 1 3/16 | 3 15/16 | B1F | 56 | 9.825 | 9.715 | 10.355 | - | 1.36 | 8.7 | - | 2.5 | 1.14 | 23.2 |
| B14MCS-60-20 | 3525 | 1 3/16 | 3 15/16 | B1F | 60 | 10.527 | 10.417 | 11.067 | - | 1.36 | 8.75 | - | 2.5 | 1.14 | 27.5 |
| B14MCS-63-20 | 3525 | 1 3/16 | 3 15/16 | B1F | 63 | 11.053 | 10.943 | 11.75 | - | 1.36 | 8.75 | - | 2.5 | 1.14 | 30.2 |
| B14MCS-67-20 | 3525 | 1 3/16 | 3 15/16 | B1F | 67 | 11.755 | 11.645 | 12.5 | - | 1.36 | 8.75 | - | 2.5 | 1.14 | 31.3 |
| B14MCS-71-20 | 3525 | 1 3/16 | 3 15/16 | C1F | 71 | 12.457 | 12.347 | 13.187 | - | 1.36 | 8.75 | 11.05 | 2.5 | 1.14 | 32.6 |
| B14MCS-75-20 | 3525 | 1 3/16 | 3 15/16 | C1F | 75 | 13.158 | 13.048 | 13.73 | - | 1.36 | 8.75 | 11.68 | 2.5 | 1.14 | 35.5 |
| B14MCS-80-20 | 3525 | 1 3/16 | 3 15/16 | C2F | 80 | 14.036 | 13.926 | 14.625 | - | 1.36 | 8.75 | 12.56 | 2.5 | 1.14 | 41.3 |
| B14MCS-90-20 | 3525 | 1 3/16 | 3 15/16 | C2 | 90 | 15.790 | 15.680 | - | - | 1.36 | 8.75 | 14.26 | 2.5 | 1.14 | 60 |
| B14MCS-112-20 | 3525 | 1 3/16 | 3 15/16 | C3 | 112 | 19.650 | 19.540 | - | - | 1.36 | 8.75 | 16.47 | 2.5 | 1.14 | 60 |
| B14MCS-126-20 | 3525 | 1 3/16 | 3 15/16 | C3 | 126 | 22.106 | 21.996 | - | - | 1.75 | 8.75 | 18.6 | 2.5 | .75 | 70 |
| B14MCS-140-20 | 3525 | 1 3/16 | 3 15/16 | C3 | 140 | 24.562 | 24.452 | - | - | 1.75 | 8.75 | 21.04 | 2.5 | .75 | 80 |
| B14MCS-154-20 | 3525 | 1 3/16 | 3 15/16 | C3 | 154 | 27.909 | 27.800 | - | - | 1.75 | 8.75 | 23.5 | 2.5 | .75 | 82 |
| B14MCS-168-20 | 3525 | 1 3/16 | 3 15/16 | C3 | 168 | 29.475 | 29.365 | - | - | 1.75 | 8.75 | 25.9 | 2.5 | .75 | 100 |
| B14MCS-180-20 | 3525 | 1 3/16 | 3 15/16 | C3 | 180 | 31.580 | 31.470 | - | - | 1.75 | 8.75 | 27.99 | 2.5 | .75 | 135 |
| B14MCS-200-20 | 3525 | 1 3/16 | 3 15/16 | C3 | 200 | 35.089 | 34.979 | - | - | 1.75 | 8.75 | 31.46 | 2.5 | .75 | 156 |
| B14MCS-224-20 | 4030 | 1 7/16 | 4 7/16 | C3 | 224 | 39.300 | 39.190 | - | - | 1.75 | 10 | 35.63 | 3 | 1.25 | 151 |
| FOR 14M37 BELTS - 14mm PITCH - 37mm (1.46") WIDE | | | | | | | | | | | | | | | |
| PB14MCS-28-37 | - | 1 | 2 15/16 | 6F | 28 | 4.912 | 4.802 | 5.562 | .8 | 2.06 | 3.97 | - | 2.86 | - | 11.7 |
| B14MCS-28-37 | 2012 | 1/2" | 2 | A1F | 28 | 4.912 | 4.802 | 5.562 | - | 2.06 | - | 3.61 | 1.25 | .81 | 5.2 |
| B14MCS-29-37 | 2517 | 1/2" | 2 1/2 | A1F | 29 | 5.088 | 4.978 | 5.562 | - | 2.06 | - | 3.99 | 1.75 | .31 | 5.1 |
| B14MCS-30-37 | 2517 | 1/2" | 2 1/2 | A1F | 30 | 5.263 | 5.153 | 5.763 | - | 2.06 | - | 3.99 | 1.75 | .31 | 5.8 |
| B14MCS-31-37 | 2517 | 1/2" | 2 1/2 | A1F | 31 | 5.439 | 5.329 | 6.124 | - | 2.06 | - | 4.22 | 1.75 | .31 | 6.4 |
| B14MCS-32-37 | 2517 | 1/2" | 2 1/2 | A1F | 32 | 5.614 | 5.504 | 6.124 | - | 2.06 | - | 4.22 | 1.75 | .31 | 7.2 |
| B14MCS-33-37 | 2517 | 1/2" | 2 1/2 | A1F | 33 | 5.790 | 5.680 | 6.465 | - | 2.06 | - | 4.53 | 1.75 | .31 | 7.8 |
| B14MCS-34-37 | 2517 | 1/2" | 2 1/2 | A1F | 34 | 5.965 | 5.855 | 6.465 | - | 2.06 | - | 4.53 | 1.75 | .31 | 8.7 |
| B14MCS-35-37 | 2517 | 1/2" | 2 1/2 | A1F | 35 | 6.141 | 6.031 | 6.816 | - | 2.06 | - | 4.95 | 1.75 | .31 | 9.3 |
| B14MCS-36-37 | 2517 | 1/2" | 2 1/2 | A1F | 36 | 6.316 | 6.206 | 6.816 | - | 2.06 | - | 4.95 | 1.75 | .31 | 10.2 |
| B14MCS-37-37 | 2517 | 1/2" | 2 1/2 | A1F | 37 | 6.492 | 6.382 | 7.167 | - | 2.06 | - | 5.27 | 1.75 | .31 | 10.8 |
| B14MCS-38-37 | 3020 | 15/16 | 3 | A1F | 38 | 6.667 | 6.557 | 7.167 | - | 2.06 | - | 5.27 | 2 | .06 | 10.3 |
| B14MCS-39-37 | 3020 | 15/16 | 3 | A1F | 39 | 6.842 | 6.732 | 7.518 | - | 2.06 | - | 5.54 | 2 | .06 | 11.3 |
| B14MCS-40-37 | 3020 | 15/16 | 3 | A1F | 40 | 7.018 | 6.908 | 7.518 | - | 2.06 | - | 5.54 | 2 | .06 | 12.3 |
| B14MCS-43-37 | 3020 | 15/16 | 3 | A1F | 43 | 7.544 | 7.434 | 8.395 | - | 2.06 | - | 6.16 | 2 | .06 | 15.6 |
| B14MCS-45-37 | 3020 | 15/16 | 3 | A1F | 45 | 7.895 | 7.785 | 8.395 | - | 2.06 | - | 6.42 | 2 | .06 | 18 |
| B14MCS-48-37 | 3020 | 15/16 | 3 | A1F | 48 | 8.421 | 8.311 | 8.941 | - | 2.06 | - | 6.96 | 2 | .06 | 21.5 |
| B14MCS-50-37 | 3020 | 15/16 | 3 | A1F | 50 | 8.772 | 8.662 | 9.292 | - | 2.06 | - | 7.44 | 2 | .06 | 24.1 |
| B14MCS-53-37 | 3020 | 15/16 | 3 | A1F | 53 | 9.299 | 9.189 | 9.687 | - | 2.06 | - | 7.84 | 2 | .06 | 28.3 |
| B14MCS-56-37 | 3525 | 1 3/16 | 3 15/16 | B1F | 56 | 9.825 | 9.715 | 10.355 | - | 2.06 | 8.7 | - | 2.5 | .44 | 33 |
| B14MCS-60-37 | 3525 | 1 3/16 | 3 15/16 | B1F | 60 | 10.527 | 10.417 | 11.067 | - | 2.06 | 8.75 | - | 2.5 | .44 | 40.6 |
| B14MCS-63-37 | 3525 | 1 3/16 | 3 15/16 | B1F | 63 | 11.053 | 10.943 | 11.75 | - | 2.06 | 8.75 | - | 2.5 | .44 | 46.7 |
| B14MCS-67-37 | 3525 | 1 3/16 | 3 15/16 | B1F | 67 | 11.755 | 11.645 | 12.5 | - | 2.06 | 8.75 | - | 2.5 | .44 | 55.6 |
| B14MCS-71-37 | 3525 | 1 3/16 | 3 15/16 | B1F | 71 | 12.457 | 12.347 | 13.187 | - | 2.06 | 8.75 | - | 2.5 | .44 | 61.2 |
| B14MCS-75-37 | 3525 | 1 3/16 | 3 15/16 | C1F | 75 | 13.158 | 13.048 | 13.73 | - | 2.06 | 8.75 | 11.68 | 2.5 | .44 | 46.9 |
| B14MCS-80-37 | 3525 | 1 3/16 | 3 15/16 | C2F | 80 | 14.036 | 13.926 | 14.625 | - | 2.06 | 8.75 | 12.56 | 2.5 | .44 | 52.5 |
| B14MCS-90-37 | 3525 | 1 3/16 | 3 15/16 | C2 | 90 | 15.790 | 15.680 | - | - | 2.06 | 8.75 | 14.26 | 2.5 | .44 | 61.5 |
| B14MCS-112-37 | 3525 | 1 3/16 | 3 15/16 | C3 | 112 | 19.650 | 19.54 | - | - | 2.06 | 8.75 | 16.39 | 2.5 | .44 | 89.1 |
| B14MCS-126-37 | 3525 | 1 3/16 | 3 15/16 | C3 | 126 | 22.106 | 21.996 | - | - | 2.06 | 8.75 | 18.6 | 2.5 | .44 | 106 |
| B14MCS-140-37 | 3525 | 1 3/16 | 3 15/16 | C3 | 140 | 24.562 | 24.452 | - | - | 2.06 | 8.75 | 20.84 | 2.5 | .44 | 125 |

NOTE - Numerals in Type Designations mean: 1 = Solid, 2 = Web, 3 = Arm Construction; F = Flanged Sprocket.

TABLE No. 1

SPECIFICATIONS

| SPROCKET NUMBER | BUSH-ING | BORE RANGE | | TYPE | No. TEETH | DIAMETERS | | | DIMENSIONS | | | | | | WT. Lbs. |
|---|----------|------------|----------|------|-----------|-----------|--------|--------|------------|-------|------|-------|-------|------|----------|
| | | MIN. | MAX. | | | P. D. | O. D. | FLANGE | E | F | H | K | L | M | |
| FOR 14M37 BELTS - 14mm PITCH - 37mm (1.46") WIDE - CONTINUED | | | | | | | | | | | | | | | |
| B14MCS-154-37 | 4030 | 1 7/16 | 4 7/16 | C3 | 154 | 27.019 | 26.909 | - | - | 2.06 | 10 | 23.5 | 3 | .94 | 157 |
| B14MCS-168-37 | 4030 | 1 7/16 | 4 7/16 | C3 | 168 | 29.475 | 29.365 | - | - | 2.06 | 10 | 25.51 | 3 | .94 | 175 |
| B14MCS-180-37 | 4030 | 1 7/16 | 4 7/16 | C3 | 180 | 31.580 | 31.470 | - | - | 2.06 | 10 | 27.59 | 3 | .94 | 191 |
| B14MCS-200-37 | 4030 | 1 7/16 | 4 7/16 | C3 | 200 | 35.089 | 34.979 | - | - | 2.06 | 10 | 31.07 | 3 | .94 | 225 |
| B14MCS-224-37 | 4030 | 1 7/16 | 4 7/16 | C3 | 224 | 39.300 | 39.190 | - | - | 2.06 | 10 | 35.24 | 3 | .94 | 268 |
| FOR 14M68 BELTS - 14mm PITCH - 68mm (2.68") WIDE | | | | | | | | | | | | | | | |
| PB14MCS-28-68 | - | 1" | 2 15/16" | 6F | 28 | 4.912" | 4.802" | 5.562" | .8" | 3.33" | 3.97 | - | 4.13" | - | 17 |
| PB14MCS-29-68 | - | 1 | 3 3/16 | 6F | 29 | 5.088 | 4.802 | 5.562 | .8 | 3.33 | 4.35 | - | 4.13 | - | 19 |
| B14MCS-29-68 | 2517 | 1/2 | 2 1/2 | A1F | 29 | 5.088 | 4.978 | 5.562 | - | 3.33 | - | 3.99 | 1.75 | 1.58 | 7 |
| PB14MCS-30-68 | - | 1 | 3 3/16 | 6F | 30 | 5.263 | 5.153 | 5.763 | .8 | 3.33 | 4.35 | - | 4.13 | - | 20 |
| B14MCS-30-68 | 2517 | 1/2 | 2 1/2 | A1F | 30 | 5.263 | 5.153 | 5.763 | - | 3.33 | - | 3.99 | 1.75 | 1.58 | 8.2 |
| PB14MCS-31-68 | - | 1 | 3 7/16 | 6F | 31 | 5.439 | 5.329 | 6.124 | .8 | 3.33 | 4.57 | - | 4.13 | - | 22 |
| B14MCS-31-68 | 2517 | 1/2 | 2 1/2 | A1F | 31 | 5.439 | 5.329 | 6.124 | - | 3.33 | - | 4.22 | 1.75 | 1.58 | 8.8 |
| PB14MCS-32-68 | - | 1 | 3 7/16 | 6F | 32 | 5.614 | 5.504 | 6.124 | .8 | 3.33 | 4.57 | - | 4.13 | - | 23 |
| B14MCS-32-68 | 2517 | 1/2 | 2 1/2 | A1F | 32 | 5.614 | 5.504 | 6.124 | - | 3.33 | - | 4.22 | 1.75 | 1.58 | 10 |
| PB14MCS-33-68 | - | 1 | 3 1/2 | 6F | 33 | 5.790 | 5.680 | 6.465 | 1 | 3.33 | 4.89 | - | 4.13 | - | 26 |
| B14MCS-33-68 | 2517 | 1/2 | 2 1/2 | A1F | 33 | 5.790 | 5.680 | 6.465 | - | 3.33 | - | 4.53 | 1.75 | 1.58 | 11 |
| PB14MCS-34-68 | - | 1 | 3 1/2 | 6F | 34 | 5.965 | 5.855 | 6.465 | 1 | 3.33 | 4.89 | - | 4.13 | - | 27 |
| B14MCS-34-68 | 2517 | 1/2 | 2 1/2 | A1F | 34 | 5.965 | 5.855 | 6.465 | - | 3.33 | - | 4.53 | 1.75 | 1.58 | 12 |
| B14MCS-35-68 | 3020 | 15/16 | 3 | A1F | 35 | 6.141 | 6.031 | 6.816 | - | 3.33 | - | 4.95 | 2 | 1.33 | 10 |
| B14MCS-36-68 | 3020 | 15/16 | 3 | A1F | 36 | 6.316 | 6.206 | 6.816 | - | 3.33 | - | 4.95 | 2 | 1.33 | 12 |
| B14MCS-37-68 | 3020 | 15/16 | 3 | A1F | 37 | 6.492 | 6.382 | 7.167 | - | 3.33 | - | 5.27 | 2 | 1.33 | 12 |
| B14MCS-38-68 | 3020 | 15/16 | 3 | A1F | 38 | 6.667 | 6.557 | 7.167 | - | 3.33 | - | 5.27 | 2 | 1.33 | 14 |
| B14MCS-39-68 | 3020 | 15/16 | 3 | A1F | 39 | 6.842 | 6.732 | 7.518 | - | 3.33 | - | 5.54 | 2 | 1.33 | 15 |
| B14MCS-40-68 | 3020 | 15/16 | 3 | A1F | 40 | 7.018 | 6.908 | 7.518 | - | 3.33 | - | 5.54 | 2 | 1.33 | 16 |
| B14MCS-43-68 | 3020 | 15/16 | 3 | A1F | 43 | 7.544 | 7.434 | 8.395 | - | 3.33 | - | 6.16 | 2 | 1.33 | 18 |
| B14MCS-45-68 | 3020 | 15/16 | 3 | A1F | 45 | 7.895 | 7.785 | 8.395 | - | 3.33 | - | 6.42 | 2 | 1.33 | 22 |
| B14MCS-48-68 | 3525 | 1 3/16 | 3 15/16 | A1F | 48 | 8.421 | 8.311 | 8.941 | - | 3.33 | - | 6.96 | 2.5 | .83 | 26 |
| B14MCS-50-68 | 3525 | 1 3/16 | 3 15/16 | A1F | 50 | 8.772 | 8.662 | 9.292 | - | 3.33 | - | 7.44 | 2.5 | .83 | 28 |
| B14MCS-53-68 | 3525 | 1 3/16 | 3 15/16 | A1F | 53 | 9.299 | 9.189 | 9.687 | - | 3.33 | - | 7.84 | 2.5 | .83 | 34 |
| B14MCS-56-68 | 3525 | 1 3/16 | 3 15/16 | A1F | 56 | 9.825 | 9.715 | 10.355 | - | 3.33 | - | 8.35 | 2.5 | .83 | 39 |
| B14MCS-60-68 | 3525 | 1 3/16 | 3 15/16 | A1F | 60 | 10.527 | 10.417 | 11.067 | - | 3.33 | - | 9.06 | 2.5 | .83 | 46 |
| B14MCS-63-68 | 3525 | 1 3/16 | 3 15/16 | A1F | 63 | 11.053 | 10.943 | 11.75 | - | 3.33 | - | 9.59 | 2.5 | .83 | 52 |
| B14MCS-67-68 | 3525 | 1 3/16 | 3 15/16 | D1F | 67 | 11.755 | 11.645 | 12.500 | - | 3.33 | 8.75 | 10.36 | 2.5 | .83 | 56 |
| B14MCS-71-68 | 3525 | 1 3/16 | 3 15/16 | D1F | 71 | 12.457 | 12.347 | 13.187 | - | 3.33 | 8.75 | 11.05 | 2.5 | .83 | 64 |
| B14MCS-75-68 | 3525 | 1 3/16 | 3 15/16 | D1F | 75 | 13.158 | 13.048 | 13.73 | - | 3.33 | 8.75 | 11.68 | 2.5 | .83 | 57 |
| B14MCS-80-68 | 3525 | 1 3/16 | 3 15/16 | D1F | 80 | 14.036 | 13.926 | 14.625 | - | 3.33 | 8.75 | 12.56 | 2.5 | .83 | 62 |
| B14MCS-90-68 | 4030 | 1 7/16 | 4 7/16 | D2 | 90 | 15.790 | 15.680 | - | - | 3.33 | 10 | 14.26 | 3 | .33 | 86 |
| B14MCS-112-68 | 4030 | 1 7/16 | 4 7/16 | D3 | 112 | 19.650 | 19.540 | - | - | 3.33 | 10 | 16.35 | 3 | .33 | 135 |
| B14MCS-140-68 | 4030 | 1 7/16 | 4 7/16 | D3 | 140 | 24.562 | 24.452 | - | - | 3.33 | 10 | 20.78 | 3 | .33 | 189 |
| B14MCS-168-68 | 4535 | 1 15/16 | 4 15/16 | C3 | 168 | 29.475 | 29.365 | - | - | 3.33 | 10.5 | 25.23 | 3.5 | .17 | 259 |
| B14MCS-180-68 | 4535 | 1 15/16 | 4 15/16 | C3 | 180 | 31.580 | 31.470 | - | - | 3.33 | 10.5 | 27.16 | 3.5 | .17 | 288 |
| B14MCS-200-68 | 4535 | 1 15/16 | 4 15/16 | C3 | 200 | 35.089 | 34.979 | - | - | 3.33 | 10.5 | 30.65 | 3.5 | .17 | 331 |
| B14MCS-224-68 | 5040 | 2 7/16 | 5 | C3 | 224 | 39.300 | 39.190 | - | - | 3.33 | 11 | 34.82 | 4 | .67 | 404 |
| FOR 14M90 BELTS - 14mm PITCH - 90mm (3.54") WIDE | | | | | | | | | | | | | | | |
| PB14MCS-28-90 | - | 1 1/2 | 2 15/16 | 6F | 28 | 4.912 | 4.802 | 5.562 | .94 | 4.2 | 3.97 | - | 5.14 | - | 20 |
| PB14MCS-29-90 | - | 1 1/2 | 3 3/16 | 6F | 29 | 5.088 | 4.978 | 5.562 | .8 | 4.2 | 4.35 | - | 5 | - | 22 |
| PB14MCS-30-90 | - | 1 1/2 | 3 3/16 | 6F | 30 | 5.263 | 5.153 | 5.763 | .8 | 4.2 | 4.35 | - | 5 | - | 24 |
| PB14MCS-31-90 | - | 1 1/2 | 3 7/16 | 6F | 31 | 5.439 | 5.329 | 6.124 | .8 | 4.2 | 4.57 | - | 5 | - | 25 |
| PB14MCS-32-90 | - | 1 1/2 | 3 7/16 | 6F | 32 | 5.614 | 5.504 | 6.124 | .8 | 4.2 | 4.57 | - | 5 | - | 27 |
| PB14MCS-33-90 | - | 1 1/2 | 3 1/2 | 6F | 33 | 5.790 | 5.680 | 6.465 | 1 | 4.2 | 4.89 | - | 5.2 | - | 30 |
| PB14MCS-34-90 | - | 1 1/2 | 3 1/2 | 6F | 34 | 5.965 | 5.855 | 6.465 | 1 | 4.2 | 4.89 | - | 5.2 | - | 32 |
| PB14MCS-35-90 | - | 1 1/2 | 3 13/16 | 6F | 35 | 6.141 | 6.031 | 6.816 | 1 | 4.2 | 5.3 | - | 5.2 | - | 35 |
| B14MCS-35-90 | 3020 | 15/16 | 3 | A1F | 35 | 6.141 | 6.031 | 6.816 | - | 4.2 | - | 4.95 | 2 | 2.2 | 12 |
| PB14MCS-36-90 | - | 1 1/2 | 3 13/16 | 6F | 36 | 6.316 | 6.206 | 6.816 | 1 | 4.2 | 5.3 | - | 5.2 | - | 36 |
| B14MCS-36-90 | 3020 | 15/16 | 3 | A1F | 36 | 6.316 | 6.206 | 6.816 | - | 4.2 | - | 4.95 | 2 | 2.2 | 14 |
| PB14MCS-37-90 | - | 1 1/2 | 4 1/8 | 6F | 37 | 6.492 | 6.382 | 7.167 | 1 | 4.2 | 5.63 | - | 5.2 | - | 39 |
| B14MCS-37-90 | 3020 | 15/16 | 3 | A1F | 37 | 6.492 | 6.382 | 7.167 | - | 4.2 | - | 5.27 | 2 | 2.2 | 14 |
| PB14MCS-38-90 | - | 1 1/2 | 4 1/8 | 6F | 38 | 6.667 | 6.557 | 7.167 | 1 | 4.2 | 5.63 | - | 5.2 | - | 41 |
| B14MCS-38-90 | 3020 | 15/16 | 3 | A1F | 38 | 6.667 | 6.557 | 7.167 | - | 4.2 | - | 5.27 | 2 | 2.2 | 16 |
| PB14MCS-39-90 | - | 1 1/2 | 4 3/8 | 6F | 39 | 6.842 | 6.732 | 7.518 | 1 | 4.2 | 5.89 | - | 5.2 | - | 44 |
| B14MCS-39-90 | 3020 | 15/16 | 3 | A1F | 39 | 6.842 | 6.732 | 7.518 | - | 4.2 | - | 5.54 | 2 | 2.2 | 17 |
| PB14MCS-40-90 | - | 1 1/2 | 4 3/8 | 6F | 40 | 7.018 | 6.908 | 7.518 | 1 | 4.2 | 5.89 | - | 5.2 | - | 46 |
| B14MCS-40-90 | 3020 | 15/16 | 3 | A1F | 40 | 7.018 | 6.908 | 7.518 | - | 4.2 | - | 5.54 | 2 | 2.2 | 19 |
| B14MCS-43-90 | 3525 | 1 3/16 | 3 15/16 | A1F | 43 | 7.544 | 7.434 | 8.395 | - | 4.2 | - | 6.16 | 2.5 | 1.7 | 21 |
| B14MCS-45-90 | 3525 | 1 3/16 | 3 15/16 | A1F | 45 | 7.895 | 7.785 | 8.395 | - | 4.2 | - | 6.42 | 2.5 | 1.7 | 24 |
| B14MCS-48-90 | 3525 | 1 3/16 | 3 15/16 | A1F | 48 | 8.421 | 8.311 | 8.941 | - | 4.2 | - | 6.96 | 2.5 | 1.7 | 29 |
| B14MCS-50-90 | 3525 | 1 3/16 | 3 15/16 | A1F | 50 | 8.772 | 8.662 | 9.292 | - | 4.2 | - | 7.44 | 2.5 | 1.7 | 31 |
| B14MCS-53-90 | 3525 | 1 3/16 | 3 15/16 | A1F | 53 | 9.299 | 9.189 | 9.687 | - | 4.2 | - | 7.83 | 2.5 | 1.7 | 37 |

NOTE - Numerals in Type Designations mean: 1 = Solid, 2 = Web, 3 = Arm Construction; F = Flanged Sprocket.

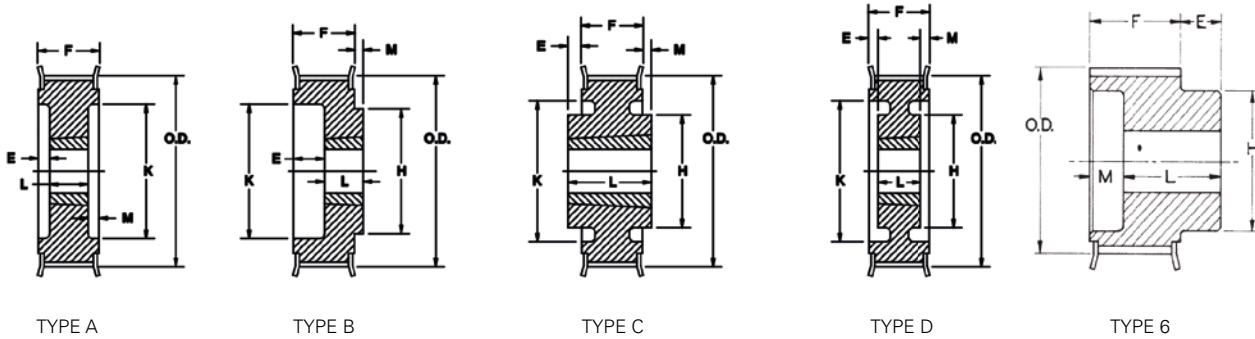


TABLE No. 1

SPECIFICATIONS

| SPROCKET NUMBER | BUSHING | BORE RANGE | | TYPE | No. TEETH | DIAMETERS | | | DIMENSIONS | | | | | | WT. Lbs. |
|---|---------|------------|---------|------|-----------|-----------|--------|--------|------------|------|------|-------|------|------|----------|
| | | MIN. | MAX. | | | P. D. | O. D. | FLANGE | E | F | H | K | L | M | |
| FOR 14M90 BELTS - 14mm PITCH - 90mm (3.54") WIDE - CONTINUED | | | | | | | | | | | | | | | |
| B14MCS-56-90 | 4030 | 1 7/16 | 4 7/16 | A1F | 56 | 9.825 | 9.715 | 10.355 | - | 4.2 | - | 8.35 | 3 | 1.2 | 43 |
| B14MCS-60-90 | 4030 | 1 7/16 | 4 7/16 | A1F | 60 | 10.527 | 10.417 | 11.067 | - | 4.2 | - | 9.06 | 3 | 1.2 | 52 |
| B14MCS-63-90 | 4030 | 1 7/16 | 4 7/16 | A1F | 63 | 11.053 | 10.943 | 11.75 | - | 4.2 | - | 9.59 | 3 | 1.2 | 59 |
| B14MCS-67-90 | 4030 | 1 7/16 | 4 7/16 | A1F | 67 | 11.755 | 11.645 | 12.500 | - | 4.2 | - | 9.881 | 3 | 1.2 | 71 |
| B14MCS-71-90 | 4030 | 1 7/16 | 4 7/16 | A1F | 71 | 12.457 | 12.347 | 13.187 | - | 4.2 | - | 10.67 | 3 | 1.2 | 82 |
| B14MCS-75-90 | 4030 | 1 7/16 | 4 7/16 | A1F | 75 | 13.158 | 13.048 | 13.73 | - | 4.2 | - | 11.63 | 3 | 1.2 | 96 |
| B14MCS-80-90 | 4030 | 1 7/16 | 4 7/16 | D1F | 80 | 14.036 | 13.926 | 14.625 | - | 4.2 | 10 | 12.56 | 3 | 1.2 | 94 |
| B14MCS-90-90 | 4030 | 1 7/16 | 4 7/16 | D2 | 90 | 15.790 | 15.68 | - | - | 4.2 | 10 | 14.26 | 3 | 1.2 | 95 |
| B14MCS-112-90 | 4535 | 1 15/16 | 4 15/16 | D2 | 112 | 19.650 | 19.54 | - | - | 4.2 | 10.5 | 16.35 | 3.5 | .7 | 173 |
| B14MCS-140-90 | 5040 | 2 7/16 | 5 | D3 | 140 | 24.562 | 24.452 | - | - | 4.2 | 11 | 20.74 | 4 | .2 | 245 |
| B14MCS-168-90 | 6050 | 4 7/16 | 5 15/16 | C3 | 168 | 29.475 | 29.365 | - | - | 4.2 | 15.5 | 25.11 | 5 | .8 | 395 |
| B14MCS-180-90 | 6050 | 4 7/16 | 5 15/16 | C3 | 180 | 31.580 | 31.470 | - | - | 4.2 | 15.5 | 27.06 | 5 | .8 | 429 |
| B14MCS-200-90 | 6050 | 4 7/16 | 5 15/16 | C3 | 200 | 35.089 | 34.979 | - | - | 4.2 | 15.5 | 30.29 | 5 | .8 | 493 |
| B14MCS-224-90 | 6050 | 4 7/16 | 5 15/16 | C3 | 224 | 39.300 | 39.190 | - | - | 4.2 | 15.5 | 34.46 | 5 | .8 | 563 |
| FOR 14M125 BELTS - 14mm PITCH - 125mm (4.92") WIDE | | | | | | | | | | | | | | | |
| PB14MCS-28-125 | - | 1 1/2 | 2 15/16 | 6F | 28 | 4.912 | 4.802 | 5.562 | .89 | 5.61 | 3.97 | - | 6.5 | - | 25 |
| PB14MCS-29-125 | - | 1 1/2 | 3 3/16 | 6F | 29 | 5.088 | 4.978 | 5.562 | .89 | 5.61 | 4.35 | - | 6.5 | - | 27 |
| PB14MCS-30-125 | - | 1 1/2 | 3 3/16 | 6F | 30 | 5.263 | 5.153 | 5.763 | .89 | 5.61 | 4.35 | - | 6.5 | - | 29 |
| PB14MCS-31-125 | - | 1 1/2 | 3 7/16 | 6F | 31 | 5.439 | 5.329 | 6.124 | .89 | 5.61 | 4.57 | - | 6.5 | - | 32 |
| PB14MCS-32-125 | - | 1 1/2 | 3 7/16 | 6F | 32 | 5.614 | 5.504 | 6.124 | .89 | 5.61 | 4.57 | - | 6.5 | - | 34 |
| PB14MCS-33-125 | - | 1 1/2 | 3 1/2 | 6F | 33 | 5.790 | 5.680 | 6.465 | 1.08 | 5.61 | 4.89 | - | 6.69 | - | 37 |
| PB14MCS-34-125 | - | 1 1/2 | 3 1/2 | 6F | 34 | 5.965 | 5.855 | 6.465 | 1.08 | 5.61 | 4.89 | - | 6.69 | - | 40 |
| PB14MCS-35-125 | - | 1 1/2 | 3 13/16 | 6F | 35 | 6.141 | 6.031 | 6.816 | 1.08 | 5.61 | 5.3 | - | 6.69 | - | 43 |
| PB14MCS-36-125 | - | 1 1/2 | 3 13/16 | 6F | 36 | 6.316 | 6.206 | 6.816 | 1.08 | 5.61 | 5.3 | - | 6.69 | - | 45 |
| PB14MCS-37-125 | - | 1 1/2 | 4 1/8 | 6F | 37 | 6.492 | 6.382 | 7.167 | 1.08 | 5.61 | 5.63 | - | 6.69 | - | 49 |
| PB14MCS-38-125 | - | 1 1/2 | 4 1/8 | 6F | 38 | 6.667 | 6.557 | 7.167 | 1.08 | 5.61 | 5.63 | - | 6.69 | - | 51 |
| PB14MCS-39-125 | - | 1 1/2 | 4 3/8 | 6F | 39 | 6.842 | 6.732 | 7.518 | 1.08 | 5.61 | 5.89 | - | 6.69 | - | 54 |
| PB14MCS-40-125 | - | 1 1/2 | 4 3/8 | 6F | 40 | 7.018 | 6.908 | 7.518 | 1.08 | 5.61 | 5.89 | - | 6.69 | - | 57 |
| PB14MCS-43-125 | - | 1 1/2 | 4 13/16 | 6F | 43 | 7.544 | 7.434 | 8.395 | 1.2 | 5.61 | 6.51 | - | 6.81 | - | 68 |
| PB14MCS-45-125 | - | 1 1/2 | 5 | 6F | 45 | 7.895 | 7.785 | 8.395 | 1.2 | 5.61 | 6.76 | - | 6.81 | - | 75 |
| PB14MCS-48-125 | - | 1 1/2 | 5 5/8 | 6F | 48 | 8.421 | 8.311 | 8.941 | 1.2 | 5.61 | 7.29 | - | 6.81 | - | 86 |
| B14MCS-50-125 | 4535 | 1 15/16 | 4 15/16 | A1F | 50 | 8.772 | 8.662 | 9.292 | - | 5.61 | - | 7.44 | 3.5 | 2.11 | 38 |
| B14MCS-53-125 | 4535 | 1 15/16 | 4 15/16 | A1F | 53 | 9.299 | 9.189 | 9.687 | - | 5.61 | - | 7.83 | 3.5 | 2.11 | 46 |
| B14MCS-56-125 | 4535 | 1 15/16 | 4 15/16 | A1F | 56 | 9.825 | 9.715 | 10.355 | - | 5.61 | - | 8.35 | 3.5 | 2.11 | 54 |
| B14MCS-60-125 | 4535 | 1 15/16 | 4 15/16 | A1F | 60 | 10.527 | 10.417 | 11.067 | - | 5.61 | - | 9.06 | 3.5 | 2.11 | 64 |
| B14MCS-63-125 | 4535 | 1 15/16 | 4 15/16 | A1F | 63 | 11.053 | 10.943 | 11.750 | - | 5.61 | - | 9.59 | 3.5 | 2.11 | 73 |
| B14MCS-67-125 | 4535 | 1 15/16 | 4 15/16 | A1F | 67 | 11.755 | 11.645 | 12.500 | - | 5.61 | - | 9.88 | 3.5 | 2.11 | 88 |
| B14MCS-71-125 | 5040 | 2 7/16 | 5 | A1F | 71 | 12.457 | 12.347 | 13.187 | - | 5.61 | - | 10.67 | 4 | 1.61 | 103 |
| B14MCS-75-125 | 5040 | 2 7/16 | 5 | A1F | 75 | 13.158 | 13.048 | 13.730 | - | 5.61 | - | 11.63 | 4 | 1.61 | 117 |
| B14MCS-80-125 | 5040 | 2 7/16 | 5 | A1F | 80 | 14.036 | 13.926 | 14.625 | - | 5.61 | - | 12.59 | 4 | 1.61 | 136 |
| B14MCS-90-125 | 5040 | 2 7/16 | 5 | D1 | 90 | 15.790 | 15.68 | - | - | 5.61 | 10 | 14.26 | 4 | 1.61 | 135 |
| B14MCS-112-125 | 6050 | 4 7/16 | 5 15/16 | A1 | 112 | 19.650 | 19.54 | - | - | 5.61 | - | 16.35 | 5 | .61 | 317 |
| B14MCS-140-125 | 6050 | 4 7/16 | 5 15/16 | D3 | 140 | 24.562 | 24.452 | - | - | 5.61 | 15.5 | 20.74 | 5 | .61 | 373 |
| B14MCS-168-125 | 7060 | 4 15/16 | 7 | C3 | 168 | 29.475 | 29.365 | - | - | 5.61 | 17 | 25.11 | 6 | .39 | 524 |
| B14MCS-180-125 | 7060 | 4 15/16 | 7 | C3 | 180 | 31.580 | 31.470 | - | - | 5.61 | 17 | 27.06 | 6 | .39 | 567 |
| B14MCS-200-125 | 7060 | 4 15/16 | 7 | C3 | 200 | 35.089 | 34.979 | - | - | 5.61 | 17 | 30.29 | 6 | .39 | 648 |
| B14MCS-224-125 | 7060 | 4 15/16 | 7 | C3 | 224 | 39.300 | 39.190 | - | - | 5.61 | 17 | 34.21 | 6 | .39 | 753 |

NOTE — Numerals in Type Designations mean: 1 = Solid, 2 = Web, 3 = Arm Construction; F = Flanged Sprocket.

TABLE No. 1 STOCK 8mm PITCH BELTS

| PITCH LENGTH | | No. OF TEETH | 12mm WIDE (.47 In.) | | 21mm WIDE (.83 In.) | | 36mm WIDE (1.42 In.) | | 62mm WIDE (2.44 In.) | |
|--------------|--------|--------------|---------------------|----------|---------------------|----------|----------------------|----------|----------------------|----------|
| mm | INCHES | | PART No. | WT. Lbs. | PART No. | WT. Lbs. | PART No. | WT. Lbs. | PART No. | WT. Lbs. |
| 640 | 25.20 | 80 | B8MHC-640-12 | .40 | B8MHC-640-21 | .40 | B8MHC-640-36 | .70 | B8MHC-640-62 | .80 |
| 720 | 28.35 | 90 | B8MHC-720-12 | .47 | B8MHC-720-21 | .45 | B8MHC-720-36 | .75 | B8MHC-720-62 | 1.00 |
| 800 | 31.50 | 100 | B8MHC-800-12 | .50 | B8MHC-800-21 | .50 | B8MHC-800-36 | .80 | B8MHC-800-62 | 1.08 |
| 896 | 35.28 | 112 | B8MHC-896-12 | .55 | B8MHC-896-21 | .53 | B8MHC-896-36 | .90 | B8MHC-896-62 | 1.20 |
| 960 | 37.80 | 120 | B8MHC-960-12 | .58 | B8MHC-960-21 | .58 | B8MHC-960-36 | .97 | B8MHC-960-62 | 1.25 |
| 1000 | 39.37 | 125 | B8MHC-1000-12 | .60 | B8MHC-1000-21 | .60 | B8MHC-1000-36 | 1.00 | B8MHC-1000-62 | 1.30 |
| 1040 | 40.95 | 130 | B8MHC-1040-12 | .65 | B8MHC-1040-21 | .65 | B8MHC-1040-36 | 1.02 | B8MHC-1040-62 | 1.35 |
| 1120 | 44.09 | 140 | B8MHC-1120-12 | .68 | B8MHC-1120-21 | .70 | B8MHC-1120-36 | 1.10 | B8MHC-1120-62 | 1.40 |
| 1200 | 47.24 | 150 | B8MHC-1200-12 | .70 | B8MHC-1200-21 | .75 | B8MHC-1200-36 | 1.12 | B8MHC-1200-62 | 1.60 |
| 1224 | 48.19 | 153 | B8MHC-1224-12 | .72 | B8MHC-1224-21 | .75 | B8MHC-1224-36 | 1.20 | B8MHC-1224-62 | 1.65 |
| 1280 | 50.39 | 160 | B8MHC-1280-12 | .75 | B8MHC-1280-21 | .80 | B8MHC-1280-36 | 1.25 | B8MHC-1280-62 | 1.70 |
| 1440 | 56.69 | 180 | B8MHC-1440-12 | .80 | B8MHC-1440-21 | .90 | B8MHC-1440-36 | 1.35 | B8MHC-1440-62 | 1.85 |
| 1600 | 62.99 | 200 | B8MHC-1600-12 | .90 | B8MHC-1600-21 | 1.00 | B8MHC-1600-36 | 1.45 | B8MHC-1600-62 | 2.00 |
| 1760 | 69.29 | 220 | B8MHC-1760-12 | .95 | B8MHC-1760-21 | 1.15 | B8MHC-1760-36 | 1.60 | B8MHC-1760-62 | 2.10 |
| 1792 | 70.55 | 224 | B8MHC-1792-12 | 1.00 | B8MHC-1792-21 | 1.15 | B8MHC-1792-36 | 1.65 | B8MHC-1792-62 | 2.10 |
| 2000 | 78.74 | 250 | B8MHC-2000-12 | 1.10 | B8MHC-2000-21 | 1.25 | B8MHC-2000-36 | 1.70 | B8MHC-2000-62 | 2.30 |
| 2200 | 86.61 | 275 | B8MHC-2200-12 | 1.15 | B8MHC-2200-21 | 1.38 | B8MHC-2200-36 | 1.88 | B8MHC-2200-62 | 2.50 |
| 2240 | 88.19 | 280 | B8MHC-2240-12 | 1.20 | B8MHC-2240-21 | 1.40 | B8MHC-2240-36 | 1.90 | B8MHC-2240-62 | 2.55 |
| 2400 | 94.49 | 300 | B8MHC-2400-12 | 1.30 | B8MHC-2400-21 | 1.50 | B8MHC-2400-36 | 2.00 | B8MHC-2400-62 | 2.80 |
| 2520 | 99.21 | 315 | B8MHC-2520-12 | 1.35 | B8MHC-2520-21 | 1.60 | B8MHC-2520-36 | 2.15 | B8MHC-2520-62 | 2.90 |
| 2600 | 102.36 | 325 | B8MHC-2600-12 | 1.40 | B8MHC-2600-21 | 1.65 | B8MHC-2600-36 | 2.30 | B8MHC-2600-62 | 2.95 |
| 2800 | 110.24 | 350 | B8MHC-2800-12 | 1.50 | B8MHC-2800-21 | 1.75 | B8MHC-2800-36 | 2.40 | B8MHC-2800-62 | 3.10 |
| 2840 | 111.81 | 355 | B8MHC-2840-12 | 1.52 | B8MHC-2840-21 | 1.80 | B8MHC-2840-36 | 2.50 | B8MHC-2840-62 | 3.15 |
| 3048 | 120.00 | 381 | B8MHC-3048-12 | 1.65 | B8MHC-3048-21 | 1.90 | B8MHC-3048-36 | 2.62 | B8MHC-3048-62 | 3.40 |
| 3200 | 125.98 | 400 | B8MHC-3200-12 | 1.70 | B8MHC-3200-21 | 2.05 | B8MHC-3200-36 | 2.70 | B8MHC-3200-62 | 3.60 |
| 3280 | 129.13 | 410 | B8MHC-3280-12 | 1.75 | B8MHC-3280-21 | 2.10 | B8MHC-3280-36 | 2.72 | B8MHC-3280-62 | 3.70 |
| 3600 | 141.73 | 450 | B8MHC-3600-12 | 1.85 | B8MHC-3600-21 | 2.25 | B8MHC-3600-36 | 2.95 | B8MHC-3600-62 | 4.05 |
| 4000 | 157.48 | 500 | B8MHC-4000-12 | 2.10 | B8MHC-4000-21 | 2.55 | B8MHC-4000-36 | 3.25 | B8MHC-4000-62 | 4.40 |
| 4400 | 173.23 | 550 | B8MHC-4400-12 | 2.25 | B8MHC-4400-21 | 2.75 | B8MHC-4400-36 | 3.55 | B8MHC-4400-62 | 4.80 |
| 4480 | 176.38 | 560 | B8MHC-4480-12 | 2.33 | B8MHC-4480-21 | 2.80 | B8MHC-4480-36 | 3.60 | B8MHC-4480-62 | 4.90 |

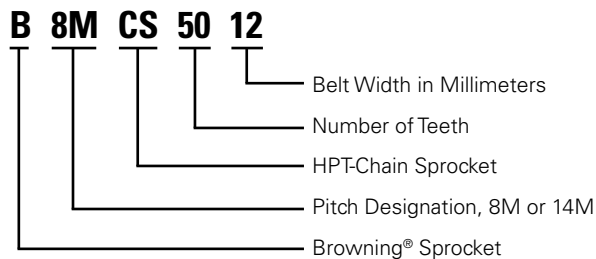


TABLE No. 2 STOCK 14mm PITCH BELTS

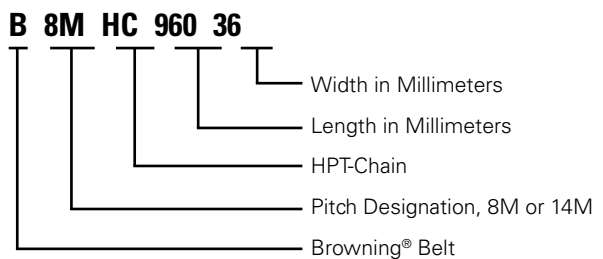
| PITCH LENGTH | | No. OF TEETH | 20mm WIDE (.79 In.) | | 37mm WIDE (1.46 In.) | | 68mm WIDE (2.68 In.) | | 90mm WIDE (3.54 In.) | | 125mm WIDE (4.92 In.) | |
|--------------|--------|--------------|---------------------|----------|----------------------|----------|----------------------|----------|----------------------|----------|-----------------------|----------|
| mm | INCHES | | PART No. | WT. Lbs. | PART No. | WT. Lbs. | PART No. | WT. Lbs. | PART No. | WT. Lbs. | PART No. | WT. Lbs. |
| 994 | 39.13 | 71 | B14MHC-994-20 | 1.30 | B14MHC-994-37 | 1.60 | B14MHC-994-68 | 2.40 | B14MHC-994-90 | 3.00 | B14MHC-994-125 | 3.60 |
| 1120 | 44.09 | 80 | B14MHC-1120-20 | 1.35 | B14MHC-1120-37 | 1.70 | B14MHC-1120-68 | 2.60 | B14MHC-1120-90 | 3.30 | B14MHC-1120-125 | 3.90 |
| 1190 | 46.85 | 85 | B14MHC-1190-20 | 1.40 | B14MHC-1190-37 | 1.75 | B14MHC-1190-68 | 2.70 | B14MHC-1190-90 | 3.35 | B14MHC-1190-125 | 4.00 |
| 1260 | 49.61 | 90 | B14MHC-1260-20 | 1.45 | B14MHC-1260-37 | 1.80 | B14MHC-1260-68 | 2.80 | B14MHC-1260-90 | 3.60 | B14MHC-1260-125 | 4.20 |
| 1400 | 55.12 | 100 | B14MHC-1400-20 | 1.55 | B14MHC-1400-37 | 2.05 | B14MHC-1400-68 | 3.00 | B14MHC-1400-90 | 3.80 | B14MHC-1400-125 | 4.60 |
| 1568 | 61.73 | 112 | B14MHC-1568-20 | 1.65 | B14MHC-1568-37 | 2.20 | B14MHC-1568-68 | 3.25 | B14MHC-1568-90 | 4.10 | B14MHC-1568-125 | 5.00 |
| 1610 | 63.39 | 115 | B14MHC-1610-20 | 1.70 | B14MHC-1610-37 | 2.30 | B14MHC-1610-68 | 3.40 | B14MHC-1610-90 | 4.25 | B14MHC-1610-125 | 5.20 |
| 1750 | 68.90 | 125 | B14MHC-1750-20 | 1.75 | B14MHC-1750-37 | 2.45 | B14MHC-1750-68 | 3.60 | B14MHC-1750-90 | 4.50 | B14MHC-1750-125 | 5.40 |
| 1890 | 74.41 | 135 | B14MHC-1890-20 | 1.75 | B14MHC-1890-37 | 2.55 | B14MHC-1890-68 | 3.95 | B14MHC-1890-90 | 4.85 | B14MHC-1890-125 | 6.20 |
| 1960 | 77.17 | 140 | B14MHC-1960-20 | 1.80 | B14MHC-1960-37 | 2.60 | B14MHC-1960-68 | 4.00 | B14MHC-1960-90 | 4.95 | B14MHC-1960-125 | 6.00 |
| 2100 | 82.68 | 150 | B14MHC-2100-20 | 1.90 | B14MHC-2100-37 | 2.70 | B14MHC-2100-68 | 4.20 | B14MHC-2100-90 | 5.20 | B14MHC-2100-125 | 6.50 |
| 2240 | 88.19 | 160 | B14MHC-2240-20 | 1.95 | B14MHC-2240-37 | 2.85 | B14MHC-2240-68 | 4.50 | B14MHC-2240-90 | 5.45 | B14MHC-2240-125 | 7.00 |
| 2310 | 90.94 | 165 | B14MHC-2310-20 | 2.05 | B14MHC-2310-37 | 2.90 | B14MHC-2310-68 | 4.70 | B14MHC-2310-90 | 5.50 | B14MHC-2310-125 | 7.00 |
| 2380 | 93.70 | 170 | B14MHC-2380-20 | 2.10 | B14MHC-2380-37 | 3.00 | B14MHC-2380-68 | 4.70 | B14MHC-2380-90 | 5.70 | B14MHC-2380-125 | 7.10 |
| 2450 | 96.46 | 175 | B14MHC-2450-20 | 2.15 | B14MHC-2450-37 | 3.10 | B14MHC-2450-68 | 4.85 | B14MHC-2450-90 | 5.85 | B14MHC-2450-125 | 7.20 |
| 2520 | 99.21 | 180 | B14MHC-2520-20 | 2.20 | B14MHC-2520-37 | 3.20 | B14MHC-2520-68 | 4.90 | B14MHC-2520-90 | 5.90 | B14MHC-2520-125 | 7.40 |
| 2590 | 101.97 | 185 | B14MHC-2590-20 | 2.20 | B14MHC-2590-37 | 3.25 | B14MHC-2590-68 | 5.00 | B14MHC-2590-90 | 5.95 | B14MHC-2590-125 | 7.60 |
| 2660 | 104.72 | 190 | B14MHC-2660-20 | 2.25 | B14MHC-2660-37 | 3.35 | B14MHC-2660-68 | 5.15 | B14MHC-2660-90 | 6.10 | B14MHC-2660-125 | 7.75 |
| 2800 | 110.24 | 200 | B14MHC-2800-20 | 2.30 | B14MHC-2800-37 | 3.40 | B14MHC-2800-68 | 5.20 | B14MHC-2800-90 | 6.40 | B14MHC-2800-125 | 8.30 |
| 3136 | 123.46 | 224 | B14MHC-3136-20 | 2.50 | B14MHC-3136-37 | 3.65 | B14MHC-3136-68 | 5.80 | B14MHC-3136-90 | 7.00 | B14MHC-3136-125 | 9.10 |
| 3304 | 130.08 | 236 | B14MHC-3304-20 | 2.55 | B14MHC-3304-37 | 3.85 | B14MHC-3304-68 | 6.05 | B14MHC-3304-90 | 7.35 | B14MHC-3304-125 | 9.50 |
| 3360 | 132.28 | 240 | B14MHC-3360-20 | 2.60 | B14MHC-3360-37 | 3.85 | B14MHC-3360-68 | 6.10 | B14MHC-3360-90 | 7.50 | B14MHC-3360-125 | 9.65 |
| 3500 | 137.80 | 250 | B14MHC-3500-20 | 2.70 | B14MHC-3500-37 | 3.95 | B14MHC-3500-68 | 6.30 | B14MHC-3500-90 | 7.70 | B14MHC-3500-125 | 10.00 |
| 3850 | 151.58 | 275 | B14MHC-3850-20 | 2.85 | B14MHC-3850-37 | 4.25 | B14MHC-3850-68 | 6.80 | B14MHC-3850-90 | 8.30 | B14MHC-3850-125 | 10.75 |
| 3920 | 154.33 | 280 | B14MHC-3920-20 | 2.95 | B14MHC-3920-37 | 4.35 | B14MHC-3920-68 | 7.00 | B14MHC-3920-90 | 8.50 | B14MHC-3920-125 | 11.00 |
| 4326 | 170.32 | 309 | B14MHC-4326-20 | 3.15 | B14MHC-4326-37 | 4.70 | B14MHC-4326-68 | 7.70 | B14MHC-4326-90 | 9.20 | B14MHC-4326-125 | 12.00 |
| 4410 | 173.62 | 315 | B14MHC-4410-20 | 3.20 | B14MHC-4410-37 | 4.75 | B14MHC-4410-68 | 7.85 | B14MHC-4410-90 | 9.30 | B14MHC-4410-125 | 12.20 |

PART NUMBER DESCRIPTION

SPROCKET



BELT



HORSEPOWER RATINGS FOR 8M BELTS

| RPM OF SMALLER SPROCKET | NUMBER OF TEETH IN SMALLER SPROCKET 12mm (.47") WIDE | | | | | | | | | | | | | | | |
|-------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 22,00 | 24,00 | 26,00 | 28,00 | 30,00 | 32,00 | 34,00 | 36,00 | 38,00 | 40,00 | 44,00 | 48,00 | 52,00 | 56,00 | 64,00 | 72,00 |
| 10 | 0,10 | 0,11 | 0,13 | 0,14 | 0,16 | 0,16 | 0,18 | 0,19 | 0,20 | 0,23 | 0,25 | 0,28 | 0,30 | 0,34 | 0,41 | 0,47 |
| 20 | 0,19 | 0,23 | 0,24 | 0,25 | 0,29 | 0,30 | 0,34 | 0,37 | 0,38 | 0,42 | 0,47 | 0,53 | 0,58 | 0,65 | 0,76 | 0,86 |
| 40 | 0,37 | 0,41 | 0,46 | 0,50 | 0,55 | 0,58 | 0,62 | 0,67 | 0,72 | 0,77 | 0,89 | 0,98 | 1,08 | 1,19 | 1,42 | 1,64 |
| 100 | 0,84 | 0,94 | 1,03 | 1,14 | 1,24 | 1,36 | 1,45 | 1,56 | 1,67 | 1,79 | 2,02 | 2,26 | 2,47 | 2,74 | 3,23 | 3,74 |
| 200 | 1,56 | 1,75 | 1,93 | 2,12 | 2,32 | 2,51 | 2,72 | 2,92 | 3,12 | 3,32 | 3,77 | 4,20 | 4,64 | 5,11 | 6,05 | 7,03 |
| 300 | 2,26 | 2,52 | 2,78 | 3,06 | 3,35 | 3,62 | 3,91 | 4,21 | 4,50 | 4,81 | 5,42 | 6,06 | 6,71 | 7,37 | 8,74 | 10,14 |
| 400 | 2,93 | 3,26 | 3,62 | 3,97 | 4,33 | 4,69 | 5,09 | 5,45 | 5,86 | 6,24 | 7,04 | 7,86 | 8,70 | 9,55 | 11,33 | 13,14 |
| 500 | 3,59 | 3,98 | 4,43 | 4,86 | 5,30 | 5,76 | 6,20 | 6,67 | 7,16 | 7,64 | 8,62 | 9,62 | 10,64 | 11,70 | 13,85 | 16,07 |
| 600 | 4,21 | 4,72 | 5,21 | 5,72 | 6,25 | 6,79 | 7,33 | 7,88 | 8,42 | 9,01 | 10,15 | 11,34 | 12,55 | 13,79 | 16,33 | 18,95 |
| 700 | 4,86 | 5,42 | 6,00 | 6,58 | 7,19 | 7,80 | 8,42 | 9,06 | 9,70 | 10,34 | 11,68 | 13,03 | 14,42 | 15,84 | 18,77 | 21,79 |
| 800 | 5,47 | 6,11 | 6,77 | 7,43 | 8,11 | 8,80 | 9,54 | 10,21 | 10,94 | 11,68 | 13,18 | 14,70 | 16,28 | 17,89 | 21,18 | 24,58 |
| 1000 | 6,70 | 7,48 | 8,28 | 9,08 | 9,92 | 10,76 | 11,63 | 12,50 | 13,38 | 14,28 | 16,12 | 18,00 | 19,92 | 21,88 | 25,92 | 30,08 |
| 1200 | 7,90 | 8,82 | 9,77 | 10,72 | 11,70 | 12,70 | 13,70 | 14,74 | 15,78 | 16,84 | 19,01 | 21,22 | 23,48 | 25,80 | 30,55 | 35,47 |
| 1450 | 9,38 | 10,48 | 11,58 | 12,72 | 13,88 | 15,07 | 16,26 | 17,48 | 18,72 | 19,99 | 22,55 | 25,18 | 27,86 | 30,61 | 36,25 | 42,08 |
| 1600 | 10,25 | 11,44 | 12,66 | 13,90 | 15,17 | 16,48 | 17,77 | 19,10 | 20,47 | 21,84 | 24,68 | 27,53 | 30,47 | 33,46 | 39,64 | 46,01 |
| 1800 | 11,39 | 12,72 | 14,08 | 15,48 | 16,87 | 18,32 | 19,79 | 21,26 | 22,78 | 24,30 | 27,43 | 30,61 | 33,88 | 37,22 | 44,08 | 51,17 |
| 2000 | 12,53 | 13,99 | 15,49 | 16,97 | 18,56 | 20,16 | 21,74 | 23,39 | 25,04 | 26,74 | 30,16 | 33,67 | 37,27 | 40,94 | 48,48 | 56,28 |
| 2400 | 14,78 | 16,50 | 18,25 | 20,06 | 21,89 | 23,76 | 25,66 | 27,59 | 29,53 | 31,51 | 35,57 | 39,72 | 43,94 | 48,28 | 57,17 | 66,37 |
| 3000 | 18,08 | 20,18 | 22,34 | 24,55 | 26,78 | 29,06 | 31,38 | 33,74 | 36,13 | 38,56 | 43,51 | 48,58 | 53,77 | 59,06 | 69,94 | 81,20 |
| 3500 | 20,78 | 23,21 | 25,69 | 28,21 | 30,79 | 33,41 | 36,08 | 38,78 | 41,53 | 44,33 | 50,02 | 55,85 | 61,80 | 67,90 | 80,40 | - |
| 4000 | 23,45 | 26,18 | 28,99 | 31,84 | 34,74 | 37,70 | 40,72 | 43,76 | 46,87 | 50,02 | 56,42 | 63,01 | 69,73 | 76,60 | - | - |
| 4500 | 26,09 | 29,14 | 32,23 | 35,40 | 38,64 | 41,94 | 45,28 | 48,67 | 52,14 | 55,64 | 62,77 | 70,08 | 77,57 | - | - | - |
| 5000 | 28,69 | 32,04 | 35,45 | 38,94 | 42,50 | 46,12 | 49,80 | 53,54 | 57,35 | 61,19 | 69,04 | 77,10 | - | - | - | - |
| 5500 | 31,27 | 34,92 | 38,64 | 42,46 | 46,33 | 50,27 | 54,29 | 58,36 | 62,51 | 66,70 | 75,26 | 84,04 | - | - | - | - |

HORSEPOWER RATINGS FOR 8M BELTS

| RPM OF SMALLER SPROCKET | NUMBER OF TEETH IN SMALLER SPROCKET 21mm (.83") WIDE | | | | | | | | | | | | | | | |
|-------------------------|--|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 22,00 | 24,00 | 26,00 | 28,00 | 30,00 | 32,00 | 34,00 | 36,00 | 38,00 | 40,00 | 44,00 | 48,00 | 52,00 | 56,00 | 64,00 | 72,00 |
| 10 | 0,17 | 0,19 | 0,23 | 0,25 | 0,27 | 0,27 | 0,32 | 0,34 | 0,36 | 0,40 | 0,44 | 0,48 | 0,53 | 0,59 | 0,71 | 0,82 |
| 20 | 0,34 | 0,40 | 0,42 | 0,44 | 0,50 | 0,53 | 0,59 | 0,65 | 0,67 | 0,74 | 0,82 | 0,92 | 1,01 | 1,13 | 1,32 | 1,51 |
| 40 | 0,65 | 0,71 | 0,80 | 0,88 | 0,97 | 1,01 | 1,09 | 1,18 | 1,26 | 1,34 | 1,55 | 1,72 | 1,89 | 2,08 | 2,48 | 2,88 |
| 100 | 1,47 | 1,64 | 1,81 | 2,00 | 2,16 | 2,37 | 2,54 | 2,73 | 2,92 | 3,13 | 3,53 | 3,95 | 4,33 | 4,79 | 5,65 | 6,55 |
| 200 | 2,73 | 3,07 | 3,38 | 3,72 | 4,05 | 4,39 | 4,77 | 5,10 | 5,46 | 5,82 | 6,59 | 7,35 | 8,13 | 8,95 | 10,58 | 12,31 |
| 300 | 3,95 | 4,41 | 4,87 | 5,36 | 5,86 | 6,34 | 6,85 | 7,37 | 7,88 | 8,42 | 9,49 | 10,61 | 11,74 | 12,89 | 15,29 | 17,75 |
| 400 | 5,12 | 5,71 | 6,34 | 6,95 | 7,58 | 8,21 | 8,90 | 9,53 | 10,25 | 10,92 | 12,33 | 13,76 | 15,23 | 16,72 | 19,82 | 23,00 |
| 500 | 6,28 | 6,97 | 7,75 | 8,51 | 9,28 | 10,08 | 10,86 | 11,68 | 12,54 | 13,38 | 15,08 | 16,84 | 18,63 | 20,48 | 24,23 | 28,12 |
| 600 | 7,37 | 8,25 | 9,11 | 10,02 | 10,94 | 11,89 | 12,83 | 13,80 | 14,74 | 15,77 | 17,77 | 19,85 | 21,97 | 24,13 | 28,58 | 33,16 |
| 700 | 8,51 | 9,49 | 10,50 | 11,51 | 12,58 | 13,65 | 14,74 | 15,86 | 16,97 | 18,10 | 20,43 | 22,81 | 25,24 | 27,72 | 32,84 | 38,14 |
| 800 | 9,58 | 10,69 | 11,84 | 13,00 | 14,20 | 15,39 | 16,70 | 17,87 | 19,15 | 20,43 | 23,06 | 25,73 | 28,50 | 31,31 | 37,07 | 43,01 |
| 1000 | 11,72 | 13,08 | 14,49 | 15,90 | 17,37 | 18,84 | 20,35 | 21,88 | 23,42 | 24,99 | 28,20 | 31,50 | 34,86 | 38,28 | 45,36 | 52,65 |
| 1200 | 13,82 | 15,44 | 17,09 | 18,75 | 20,48 | 22,22 | 23,98 | 25,79 | 27,62 | 29,46 | 33,26 | 37,13 | 41,10 | 45,15 | 53,47 | 62,08 |
| 1450 | 16,42 | 18,33 | 20,27 | 22,26 | 24,30 | 26,38 | 28,46 | 30,60 | 32,76 | 34,99 | 39,46 | 44,06 | 48,76 | 53,57 | 63,44 | 73,65 |
| 1600 | 17,93 | 20,01 | 22,16 | 24,32 | 26,54 | 28,83 | 31,10 | 33,43 | 35,83 | 38,22 | 43,20 | 48,17 | 53,32 | 58,55 | 69,36 | 80,51 |
| 1800 | 19,93 | 22,26 | 24,63 | 27,09 | 29,53 | 32,07 | 34,63 | 37,21 | 39,86 | 42,53 | 48,01 | 53,57 | 59,28 | 65,14 | 77,13 | 89,54 |
| 2000 | 21,92 | 24,49 | 27,11 | 29,69 | 32,49 | 35,28 | 38,05 | 40,93 | 43,83 | 46,79 | 52,77 | 58,93 | 65,23 | 71,65 | 84,84 | 98,49 |
| 2400 | 25,87 | 28,88 | 31,94 | 35,11 | 38,30 | 41,58 | 44,90 | 48,28 | 51,68 | 55,15 | 62,24 | 69,51 | 76,90 | 84,48 | 100,04 | 116,15 |
| 3000 | 31,65 | 35,32 | 39,10 | 42,97 | 46,87 | 50,86 | 54,92 | 59,05 | 63,23 | 67,47 | 76,15 | 85,01 | 94,10 | 103,36 | 122,39 | 142,11 |
| 3500 | 36,37 | 40,61 | 44,96 | 49,37 | 53,89 | 58,46 | 63,15 | 67,87 | 72,68 | 77,57 | 87,53 | 97,73 | 108,15 | 118,82 | 140,70 | - |
| 4000 | 41,03 | 45,82 | 50,74 | 55,71 | 60,80 | 65,98 | 71,25 | 76,59 | 82,03 | 87,53 | 98,74 | 110,27 | 122,03 | 134,04 | - | - |
| 4500 | 45,65 | 50,99 | 56,41 | 61,95 | 67,62 | 73,40 | 79,23 | 85,18 | 91,25 | 97,38 | 109,85 | 122,64 | 135,74 | - | - | - |
| 5000 | 50,21 | 56,07 | 62,03 | 68,15 | 74,38 | 80,70 | 87,15 | 93,70 | 100,36 | 107,08 | 120,81 | 134,93 | - | - | - | - |
| 5500 | 54,73 | 61,11 | 67,62 | 74,30 | 81,08 | 87,97 | 95,00 | 102,12 | 109,39 | 116,72 | 131,71 | 147,06 | - | - | - | - |

HORSEPOWER RATINGS FOR 8M BELTS

| RPM OF SMALLER SPROCKET | NUMBER OF TEETH IN SMALLER SPROCKET 36mm (1.42") WIDE | | | | | | | | | | | | | | | |
|-------------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 22,00 | 24,00 | 26,00 | 28,00 | 30,00 | 32,00 | 34,00 | 36,00 | 38,00 | 40,00 | 44,00 | 48,00 | 52,00 | 56,00 | 64,00 | 72,00 |
| 10 | 0,29 | 0,32 | 0,40 | 0,43 | 0,47 | 0,47 | 0,54 | 0,58 | 0,61 | 0,68 | 0,76 | 0,83 | 0,90 | 1,01 | 1,22 | 1,40 |
| 20 | 0,58 | 0,68 | 0,72 | 0,76 | 0,86 | 0,90 | 1,01 | 1,12 | 1,15 | 1,26 | 1,40 | 1,58 | 1,73 | 1,94 | 2,27 | 2,59 |
| 40 | 1,12 | 1,22 | 1,37 | 1,51 | 1,66 | 1,73 | 1,87 | 2,02 | 2,16 | 2,30 | 2,66 | 2,95 | 3,24 | 3,56 | 4,25 | 4,93 |
| 100 | 2,52 | 2,81 | 3,10 | 3,42 | 3,71 | 4,07 | 4,36 | 4,68 | 5,00 | 5,36 | 6,05 | 6,77 | 7,42 | 8,21 | 9,68 | 11,23 |
| 200 | 4,68 | 5,26 | 5,80 | 6,37 | 6,95 | 7,52 | 8,17 | 8,75 | 9,36 | 9,97 | 11,30 | 12,60 | 13,93 | 15,34 | 18,14 | 21,10 |
| 300 | 6,77 | 7,56 | 8,35 | 9,18 | 10,04 | 10,87 | 11,74 | 12,64 | 13,50 | 14,44 | 16,27 | 18,18 | 20,12 | 22,10 | 26,21 | 30,42 |
| 400 | 8,78 | 9,79 | 10,87 | 11,92 | 13,00 | 14,08 | 15,26 | 16,34 | 17,57 | 18,72 | 21,13 | 23,58 | 26,10 | 28,66 | 33,98 | 39,42 |
| 500 | 10,76 | 11,95 | 13,28 | 14,58 | 15,91 | 17,28 | 18,61 | 20,02 | 21,49 | 22,93 | 25,85 | 28,87 | 31,93 | 35,10 | 41,54 | 48,20 |
| 600 | 12,64 | 14,15 | 15,62 | 17,17 | 18,76 | 20,38 | 22,00 | 23,65 | 25,27 | 27,04 | 30,46 | 34,02 | 37,66 | 41,36 | 49,00 | 56,84 |
| 700 | 14,58 | 16,27 | 18,00 | 19,73 | 21,56 | 23,40 | 25,27 | 27,18 | 29,09 | 31,03 | 35,03 | 39,10 | 43,27 | 47,52 | 56,30 | 65,38 |
| 800 | 16,42 | 18,32 | 20,30 | 22,28 | 24,34 | 26,39 | 28,62 | 30,64 | 32,83 | 35,03 | 39,53 | 44,10 | 48,85 | 53,68 | 63,54 | 73,73 |
| 1000 | 20,09 | 22,43 | 24,84 | 27,25 | 29,77 | 32,29 | 34,88 | 37,51 | 40,14 | 42,84 | 48,35 | 54,00 | 59,76 | 65,63 | 77,76 | 90,25 |
| 1200 | 23,69 | 26,46 | 29,30 | 32,15 | 35,10 | 38,09 | 41,11 | 44,21 | 47,34 | 50,51 | 57,02 | 63,65 | 70,45 | 77,40 | 91,66 | 106,42 |
| 1450 | 28,15 | 31,43 | 34,74 | 38,16 | 41,65 | 45,22 | 48,78 | 52,45 | 56,16 | 59,98 | 67,64 | 75,53 | 83,59 | 91,84 | 108,76 | 126,25 |
| 1600 | 30,74 | 34,31 | 37,98 | 41,69 | 45,50 | 49,43 | 53,32 | 57,31 | 61,42 | 65,52 | 74,05 | 82,58 | 91,40 | 100,37 | 118,91 | 138,02 |
| 1800 | 34,16 | 38,16 | 42,23 | 46,44 | 50,62 | 54,97 | 59,36 | 63,79 | 68,33 | 72,90 | 82,30 | 91,84 | 101,63 | 111,67 | 132,23 | 153,50 |
| 2000 | 37,58 | 41,98 | 46,48 | 50,90 | 55,69 | 60,48 | 65,23 | 70,16 | 75,13 | 80,21 | 90,47 | 101,02 | 111,82 | 122,83 | 145,44 | 168,84 |
| 2400 | 44,35 | 49,50 | 54,76 | 60,19 | 65,66 | 71,28 | 76,97 | 82,76 | 88,60 | 94,54 | 106,70 | 119,16 | 131,83 | 144,83 | 171,50 | 199,12 |
| 3000 | 54,25 | 60,55 | 67,03 | 73,66 | 80,35 | 87,19 | 94,14 | 101,23 | 108,40 | 115,67 | 130,54 | 145,73 | 161,32 | 203,69 | 209,81 | 243,61 |
| 3500 | 62,35 | 69,62 | 77,08 | 84,64 | 92,38 | 100,22 | 108,25 | 116,35 | 124,60 | 132,98 | 150,05 | 167,54 | 185,40 | 203,69 | 241,20 | - |
| 4000 | 70,34 | 78,55 | 86,98 | 95,51 | 104,22 | 113,11 | 122,15 | 131,29 | 140,62 | 150,05 | 169,27 | 189,04 | 209,20 | 229,79 | - | - |
| 4500 | 78,26 | 87,41 | 96,70 | 106,20 | 115,92 | 125,82 | 135,83 | 146,02 | 156,42 | 166,93 | 188,32 | 210,24 | 232,70 | - | - | - |
| 5000 | 86,08 | 96,12 | 106,34 | 116,82 | 127,51 | 138,35 | 149,40 | 160,63 | 172,04 | 183,56 | 207,11 | 231,30 | - | - | - | - |
| 5500 | 93,82 | 104,76 | 115,92 | 127,37 | 139,00 | 150,80 | 162,86 | 175,07 | 187,52 | 200,09 | 225,79 | 252,11 | - | - | - | - |

HORSEPOWER RATINGS FOR 8M BELTS

| RPM OF SMALLER SPROCKET | NUMBER OF TEETH IN SMALLER SPROCKET 62mm (2.41") WIDE | | | | | | | | | | | | | | | |
|-------------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 22,00 | 24,00 | 26,00 | 28,00 | 30,00 | 32,00 | 34,00 | 36,00 | 38,00 | 40,00 | 44,00 | 48,00 | 52,00 | 56,00 | 64,00 | 72,00 |
| 10 | 0,50 | 0,56 | 0,68 | 0,74 | 0,81 | 0,81 | 0,93 | 0,99 | 1,05 | 1,18 | 1,30 | 1,43 | 1,55 | 1,74 | 2,11 | 2,42 |
| 20 | 0,99 | 1,18 | 1,24 | 1,30 | 1,49 | 1,55 | 1,74 | 1,92 | 1,98 | 2,17 | 2,42 | 2,73 | 2,98 | 3,35 | 3,91 | 4,46 |
| 40 | 1,92 | 2,11 | 2,36 | 2,60 | 2,85 | 2,98 | 3,22 | 3,47 | 3,72 | 3,97 | 4,59 | 5,08 | 5,58 | 6,14 | 7,32 | 8,49 |
| 100 | 4,34 | 4,84 | 5,33 | 5,89 | 6,39 | 7,01 | 7,50 | 8,06 | 8,62 | 9,24 | 10,42 | 11,66 | 12,77 | 14,14 | 16,68 | 19,34 |
| 200 | 8,06 | 9,05 | 9,98 | 10,97 | 11,97 | 12,96 | 14,07 | 15,07 | 16,12 | 17,17 | 19,47 | 21,70 | 23,99 | 26,41 | 31,25 | 36,33 |
| 300 | 11,66 | 13,02 | 14,38 | 15,81 | 17,30 | 18,72 | 20,21 | 21,76 | 23,25 | 24,86 | 28,02 | 31,31 | 34,66 | 38,07 | 45,14 | 52,39 |
| 400 | 15,13 | 16,86 | 18,72 | 20,52 | 22,38 | 24,24 | 26,29 | 28,15 | 30,26 | 32,24 | 36,39 | 40,61 | 44,95 | 49,35 | 58,53 | 67,89 |
| 500 | 18,54 | 20,58 | 22,88 | 25,11 | 27,40 | 29,76 | 32,05 | 34,47 | 37,01 | 39,49 | 44,52 | 49,72 | 54,99 | 60,45 | 71,55 | 83,02 |
| 600 | 21,76 | 24,37 | 26,91 | 29,57 | 32,30 | 35,09 | 37,88 | 40,73 | 43,52 | 46,56 | 52,45 | 58,59 | 64,85 | 71,24 | 84,38 | 97,90 |
| 700 | 25,11 | 28,02 | 31,00 | 33,98 | 37,14 | 40,30 | 43,52 | 46,81 | 50,10 | 53,44 | 60,33 | 67,33 | 74,52 | 81,84 | 96,97 | 112,59 |
| 800 | 28,27 | 31,56 | 34,97 | 38,38 | 41,91 | 45,45 | 49,29 | 52,76 | 56,54 | 60,33 | 68,08 | 75,95 | 84,13 | 92,44 | 109,43 | 126,98 |
| 1000 | 34,60 | 38,63 | 42,78 | 46,93 | 51,27 | 55,61 | 60,08 | 64,60 | 69,13 | 73,78 | 83,27 | 93,00 | 102,92 | 113,03 | 133,92 | 155,43 |
| 1200 | 40,80 | 45,57 | 50,47 | 55,37 | 60,45 | 65,60 | 70,80 | 76,14 | 81,53 | 86,99 | 98,21 | 109,62 | 121,33 | 133,30 | 157,85 | 183,27 |
| 1450 | 48,48 | 54,13 | 59,83 | 65,72 | 71,73 | 77,87 | 84,01 | 90,33 | 96,72 | 103,29 | 116,50 | 130,08 | 143,96 | 158,16 | 187,30 | 217,43 |
| 1600 | 52,95 | 59,09 | 65,41 | 71,80 | 78,37 | 85,13 | 91,82 | 98,70 | 105,77 | 112,84 | 127,53 | 142,23 | 157,42 | 172,86 | 204,79 | 237,71 |
| 1800 | 58,84 | 65,72 | 72,73 | 79,98 | 87,17 | 94,67 | 102,24 | 109,86 | 117,68 | 125,55 | 141,73 | 158,16 | 175,03 | 192,32 | 227,73 | 264,37 |
| 2000 | 64,73 | 72,29 | 80,04 | 87,67 | 95,91 | 104,16 | 112,34 | 120,84 | 129,39 | 138,14 | 155,81 | 173,97 | 192,57 | 211,54 | 250,48 | 290,78 |
| 2400 | 76,38 | 85,25 | 94,30 | 103,66 | 113,09 | 122,76 | 132,56 | 142,54 | 152,58 | 162,81 | 183,77 | 205,22 | 227,04 | 249,43 | 295,37 | 342,92 |
| 3000 | 93,43 | 104,28 | 115,44 | 126,85 | 138,38 | 150,16 | 162,13 | 174,34 | 186,68 | 199,21 | 224,81 | 250,98 | 277,82 | 305,16 | 361,34 | 419,55 |
| 3500 | 107,38 | 119,91 | 132,74 | 145,76 | 159,09 | 172,61 | 186,43 | 200,38 | 214,58 | 229,03 | 258,42 | 288,55 | 319,30 | 350,80 | 415,40 | - |
| 4000 | 121,15 | 135,28 | 149,79 | 164,49 | 179,49 | 194,80 | 210,37 | 226,11 | 242,17 | 258,42 | 291,52 | 325,56 | 360,28 | 395,75 | - | - |
| 4500 | 134,79 | 150,54 | 166,53 | 182,90 | 199,64 | 216,69 | 233,93 | 251,47 | 269,39 | 287,49 | 324,32 | 362,08 | 400,77 | - | - | - |
| 5000 | 148,24 | 165,54 | 183,15 | 201,19 | 219,60 | 238,27 | 257,30 | 276,64 | 296,30 | 316,14 | 356,69 | 398,35 | - | - | - | - |
| 5500 | 161,57 | 180,42 | 199,64 | 219,36 | 239,38 | 259,72 | 280,49 | 301,51 | 322,96 | 344,60 | 388,86 | 434,19 | - | - | - | - |





HORSEPOWER RATINGS FOR 14M BELTS

| RPM OF SMALLER SPROCKET | NUMBER OF TEETH IN SMALLER SPROCKET 20mm (.83") WIDE | | | | | | | | | | | | | | |
|-------------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 28,00 | 30,00 | 32,00 | 34,00 | 36,00 | 38,00 | 40,00 | 42,00 | 44,00 | 46,00 | 48,00 | 52,00 | 56,00 | 64,00 | 72,00 |
| 10 | 1,08 | 1,16 | 1,24 | 1,32 | 1,40 | 1,48 | 1,56 | 1,66 | 1,74 | 1,82 | 1,90 | 2,10 | 2,26 | 2,62 | 2,98 |
| 20 | 1,90 | 2,04 | 2,20 | 2,34 | 2,50 | 2,66 | 2,78 | 2,94 | 3,10 | 3,28 | 3,44 | 3,72 | 4,04 | 4,70 | 5,34 |
| 40 | 3,38 | 3,64 | 3,92 | 4,18 | 4,46 | 4,72 | 5,02 | 5,28 | 5,54 | 5,82 | 6,12 | 6,68 | 7,24 | 8,36 | 9,52 |
| 100 | 7,30 | 7,88 | 8,44 | 9,04 | 9,60 | 10,18 | 10,78 | 11,36 | 11,96 | 12,54 | 13,16 | 14,34 | 15,58 | 18,02 | 20,48 |
| 200 | 13,02 | 14,04 | 15,10 | 16,12 | 17,16 | 18,20 | 19,24 | 20,30 | 21,36 | 22,44 | 23,48 | 25,66 | 27,80 | 32,18 | 36,60 |
| 300 | 18,32 | 19,74 | 21,18 | 22,62 | 24,10 | 25,56 | 27,02 | 28,52 | 30,00 | 31,50 | 33,00 | 36,00 | 39,04 | 45,18 | 51,36 |
| 400 | 23,30 | 25,12 | 26,94 | 28,80 | 30,64 | 32,52 | 34,40 | 36,28 | 38,18 | 40,08 | 41,98 | 45,82 | 49,68 | 57,48 | 65,36 |
| 500 | 28,06 | 30,26 | 32,50 | 34,72 | 36,94 | 39,20 | 41,44 | 43,72 | 46,00 | 48,32 | 50,58 | 55,22 | 59,86 | 69,28 | 78,80 |
| 600 | 32,70 | 35,28 | 37,86 | 40,42 | 43,06 | 45,66 | 48,28 | 50,94 | 53,60 | 56,28 | 58,96 | 64,32 | 69,76 | 80,70 | 91,80 |
| 700 | 37,22 | 40,14 | 43,06 | 46,00 | 48,98 | 51,96 | 54,96 | 57,96 | 61,00 | 64,02 | 67,06 | 73,20 | 79,36 | 91,82 | 104,42 |
| 800 | 41,60 | 44,88 | 48,16 | 51,44 | 54,78 | 58,10 | 61,44 | 64,82 | 68,20 | 71,58 | 74,98 | 81,84 | 88,74 | 102,68 | 116,78 |
| 1000 | 50,16 | 54,10 | 58,04 | 62,02 | 66,00 | 70,02 | 74,08 | 78,12 | 82,20 | 86,30 | 90,44 | 98,66 | 106,98 | 123,78 | 140,78 |
| 1200 | 58,44 | 63,00 | 67,62 | 72,26 | 76,90 | 81,58 | 86,28 | 91,02 | 95,76 | 100,50 | 105,30 | 114,94 | 124,62 | 144,18 | 164,00 |
| 1450 | 68,48 | 73,84 | 79,22 | 84,64 | 90,10 | 95,58 | 101,10 | 106,62 | 112,20 | 117,78 | 123,38 | 134,66 | 146,00 | 168,92 | 192,14 |
| 1600 | 74,34 | 80,16 | 86,04 | 91,94 | 99,86 | 103,80 | 109,78 | 115,80 | 121,82 | 127,88 | 133,96 | 146,22 | 158,56 | 183,46 | 208,64 |
| 1800 | 82,06 | 88,48 | 94,94 | 101,44 | 107,98 | 114,56 | 121,16 | 127,80 | 134,46 | 141,16 | 147,86 | 161,36 | 174,98 | 202,46 | 230,26 |
| 2000 | 89,62 | 96,64 | 103,70 | 110,80 | 117,94 | 125,12 | 132,34 | 139,58 | 146,86 | 154,16 | 161,50 | 176,24 | 191,12 | 221,12 | 251,50 |
| 2400 | 104,40 | 112,58 | 120,80 | 129,06 | 137,40 | 145,74 | 154,16 | 162,60 | 171,08 | 179,58 | 188,12 | 205,30 | 222,62 | 257,58 | - |
| 3000 | 127,84 | 135,72 | 145,60 | 155,58 | 165,60 | 175,68 | 185,82 | 195,98 | 206,20 | 216,46 | 226,76 | 247,48 | 268,36 | - | - |
| 3500 | 143,20 | 154,40 | 167,66 | 177,02 | 188,42 | 199,90 | 211,40 | 222,98 | 234,62 | 246,28 | 257,76 | - | - | - | - |
| 4000 | 160,10 | 172,66 | 185,26 | 197,96 | 210,70 | 223,52 | 236,40 | 249,36 | 262,36 | 275,42 | - | - | - | - | - |

HORSEPOWER RATINGS FOR 14M BELTS

| RPM OF SMALLER SPROCKET | NUMBER OF TEETH IN SMALLER SPROCKET 37mm (1.46") WIDE | | | | | | | | | | | | | | |
|-------------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 28,00 | 30,00 | 32,00 | 34,00 | 36,00 | 38,00 | 40,00 | 42,00 | 44,00 | 46,00 | 48,00 | 52,00 | 56,00 | 64,00 | 72,00 |
| 10 | 2,00 | 2,15 | 2,29 | 2,44 | 2,59 | 2,74 | 2,89 | 3,07 | 3,22 | 3,37 | 3,52 | 3,89 | 4,18 | 4,85 | 5,51 |
| 20 | 3,52 | 3,77 | 4,07 | 4,33 | 4,63 | 4,92 | 5,14 | 5,44 | 5,74 | 6,07 | 6,36 | 6,88 | 7,47 | 8,70 | 9,88 |
| 40 | 6,25 | 6,73 | 7,25 | 7,73 | 8,25 | 8,73 | 9,29 | 9,77 | 10,25 | 10,77 | 11,32 | 12,36 | 13,39 | 15,47 | 17,61 |
| 100 | 13,51 | 14,58 | 15,61 | 16,72 | 17,76 | 18,83 | 19,94 | 21,02 | 22,13 | 23,20 | 24,35 | 26,53 | 28,82 | 33,34 | 37,89 |
| 200 | 24,09 | 25,97 | 27,94 | 29,82 | 31,75 | 33,67 | 35,59 | 37,56 | 39,52 | 41,51 | 43,44 | 47,47 | 51,43 | 59,53 | 67,71 |
| 300 | 33,89 | 36,52 | 39,18 | 41,85 | 44,59 | 47,29 | 49,99 | 52,76 | 55,50 | 58,28 | 61,05 | 66,60 | 72,22 | 83,58 | 95,02 |
| 400 | 43,11 | 46,47 | 49,84 | 53,28 | 56,68 | 60,16 | 63,64 | 67,12 | 70,63 | 74,15 | 77,66 | 84,77 | 91,91 | 106,34 | 120,92 |
| 500 | 51,91 | 55,98 | 60,13 | 64,23 | 68,34 | 72,52 | 76,66 | 80,88 | 85,10 | 89,39 | 93,57 | 102,16 | 110,74 | 128,17 | 145,78 |
| 600 | 60,50 | 65,27 | 70,04 | 74,78 | 79,66 | 84,47 | 89,32 | 94,24 | 99,16 | 104,12 | 109,08 | 118,99 | 129,06 | 149,30 | 169,83 |
| 700 | 68,86 | 74,26 | 79,66 | 85,10 | 90,61 | 96,13 | 101,68 | 107,23 | 112,85 | 118,44 | 124,06 | 135,42 | 146,82 | 169,87 | 193,18 |
| 800 | 76,96 | 83,03 | 89,10 | 95,16 | 101,34 | 107,49 | 113,66 | 119,92 | 126,17 | 132,42 | 138,71 | 151,40 | 164,17 | 189,96 | 216,04 |
| 1000 | 92,80 | 100,09 | 107,37 | 114,74 | 122,10 | 129,54 | 137,05 | 144,52 | 152,07 | 159,66 | 167,31 | 182,52 | 197,91 | 228,99 | 260,44 |
| 1200 | 108,11 | 116,55 | 125,10 | 133,68 | 142,27 | 150,92 | 159,62 | 168,39 | 177,16 | 185,93 | 194,81 | 212,64 | 230,55 | 266,73 | 303,40 |
| 1450 | 126,69 | 136,60 | 146,56 | 156,58 | 166,69 | 176,82 | 187,04 | 197,25 | 207,57 | 217,89 | 228,25 | 249,12 | 270,10 | 312,50 | 355,46 |
| 1600 | 137,53 | 148,30 | 159,17 | 170,09 | 181,74 | 192,03 | 203,09 | 214,23 | 225,37 | 236,58 | 247,83 | 270,51 | 293,34 | 339,40 | 385,98 |
| 1800 | 151,81 | 163,69 | 175,64 | 187,66 | 199,76 | 211,94 | 224,15 | 236,43 | 248,75 | 261,15 | 273,54 | 298,52 | 323,71 | 374,55 | 425,98 |
| 2000 | 165,80 | 178,78 | 191,85 | 204,98 | 218,19 | 231,47 | 244,83 | 258,22 | 271,69 | 285,20 | 298,78 | 326,04 | 353,57 | 409,07 | 465,28 |
| 2400 | 193,14 | 208,27 | 223,48 | 238,76 | 254,19 | 269,62 | 285,20 | 300,81 | 316,50 | 332,22 | 348,02 | 379,81 | 411,85 | 476,52 | - |
| 3000 | 236,50 | 251,08 | 269,36 | 287,82 | 306,36 | 325,01 | 343,77 | 362,56 | 381,47 | 400,45 | 419,51 | 457,84 | 496,47 | - | - |
| 3500 | 264,92 | 285,64 | 310,17 | 327,49 | 348,58 | 369,82 | 391,09 | 412,51 | 434,05 | 455,62 | 476,86 | - | - | - | - |
| 4000 | 296,19 | 319,42 | 342,73 | 366,23 | 389,80 | 413,51 | 437,34 | 461,32 | 485,37 | 509,53 | - | - | - | - | - |

HORSEPOWER RATINGS FOR 14M BELTS

| RPM OF SMALLER SPROCKET | NUMBER OF TEETH IN SMALLER SPROCKET 68mm (2.68") WIDE | | | | | | | | | | | | | | |
|-------------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 28,00 | 30,00 | 32,00 | 34,00 | 36,00 | 38,00 | 40,00 | 42,00 | 44,00 | 46,00 | 48,00 | 52,00 | 56,00 | 64,00 | 72,00 |
| 10 | 3,67 | 3,94 | 4,22 | 4,49 | 4,76 | 5,03 | 5,30 | 5,64 | 5,92 | 6,19 | 6,46 | 7,14 | 7,68 | 8,91 | 10,13 |
| 20 | 6,46 | 6,94 | 7,48 | 7,96 | 8,50 | 9,04 | 9,45 | 10,00 | 10,54 | 11,15 | 11,70 | 12,65 | 13,74 | 15,98 | 18,16 |
| 40 | 11,49 | 12,38 | 13,33 | 14,21 | 15,16 | 16,05 | 17,07 | 17,95 | 18,84 | 19,79 | 20,81 | 22,71 | 24,62 | 28,42 | 32,37 |
| 100 | 24,82 | 26,79 | 28,70 | 30,74 | 32,64 | 34,61 | 36,65 | 38,62 | 40,66 | 42,64 | 44,74 | 48,76 | 52,97 | 61,27 | 69,63 |
| 200 | 44,27 | 47,74 | 51,34 | 54,81 | 58,34 | 61,88 | 65,42 | 69,02 | 72,62 | 76,30 | 79,83 | 87,24 | 94,52 | 109,41 | 124,44 |
| 300 | 62,29 | 67,12 | 72,01 | 76,91 | 81,94 | 86,90 | 91,87 | 96,97 | 102,00 | 107,10 | 112,20 | 122,40 | 132,74 | 153,61 | 174,62 |
| 400 | 79,22 | 85,41 | 91,60 | 97,92 | 104,18 | 110,57 | 116,96 | 123,35 | 129,81 | 136,27 | 142,73 | 155,79 | 168,91 | 195,43 | 222,22 |
| 500 | 95,40 | 102,88 | 110,50 | 118,05 | 125,60 | 133,28 | 140,90 | 148,65 | 156,40 | 164,29 | 171,97 | 187,75 | 203,52 | 235,55 | 267,92 |
| 600 | 111,18 | 119,95 | 128,72 | 137,43 | 146,40 | 155,24 | 164,15 | 173,20 | 182,24 | 191,35 | 200,46 | 218,69 | 237,18 | 274,38 | 312,12 |
| 700 | 126,55 | 136,48 | 146,40 | 156,40 | 166,53 | 176,66 | 186,86 | 197,06 | 207,40 | 217,67 | 228,00 | 248,88 | 269,82 | 312,19 | 355,03 |
| 800 | 141,44 | 152,59 | 163,74 | 174,90 | 186,25 | 197,54 | 208,90 | 220,39 | 231,88 | 243,37 | 254,93 | 278,26 | 301,72 | 349,11 | 397,05 |
| 1000 | 170,54 | 183,94 | 197,34 | 210,87 | 224,40 | 238,07 | 251,87 | 265,61 | 279,48 | 293,42 | 307,50 | 335,44 | 363,73 | 420,85 | 478,65 |
| 1200 | 198,70 | 214,20 | 229,91 | 245,68 | 261,46 | 277,37 | 293,35 | 309,47 | 325,58 | 341,70 | 358,02 | 390,80 | 423,71 | 490,21 | 557,60 |
| 1450 | 232,83 | 251,06 | 269,35 | 287,78 | 306,34 | 324,97 | 343,74 | 362,51 | 381,48 | 400,45 | 419,49 | 457,84 | 496,40 | 574,33 | 653,28 |
| 1600 | 252,76 | 272,54 | 292,54 | 312,60 | 339,52 | 352,92 | 373,25 | 393,72 | 414,19 | 434,79 | 455,46 | 497,15 | 539,10 | 623,76 | 709,38 |
| 1800 | 279,00 | 300,83 | 322,80 | 344,90 | 367,13 | 389,50 | 411,94 | 434,52 | 457,16 | 479,94 | 502,72 | 548,62 | 594,93 | 688,36 | 782,88 |
| 2000 | 304,71 | 328,58 | 352,58 | 376,72 | 401,00 | 425,41 | 449,96 | 474,57 | 499,32 | 524,14 | 549,10 | 599,22 | 649,81 | 751,81 | 855,10 |
| 2400 | 354,96 | 382,77 | 410,72 | 438,80 | 467,16 | 495,52 | 524,14 | 552,84 | 581,67 | 610,57 | 639,61 | 698,02 | 756,91 | 875,77 | - |
| 3000 | 434,66 | 461,45 | 495,04 | 528,97 | 563,04 | 597,31 | 631,79 | 666,33 | 701,08 | 735,96 | 770,98 | 841,43 | 912,42 | - | - |
| 3500 | 486,88 | 524,96 | 570,04 | 601,87 | 640,63 | 679,66 | 718,76 | 758,13 | 797,71 | 837,35 | 876,38 | - | - | - | - |
| 4000 | 544,34 | 587,04 | 629,88 | 673,06 | 716,38 | 759,97 | 803,76 | 847,82 | 892,02 | 936,43 | - | - | - | - | - |

HORSEPOWER RATINGS FOR 14M BELTS

| RPM OF SMALLER SPROCKET | NUMBER OF TEETH IN SMALLER SPROCKET 90mm (3.54") WIDE | | | | | | | | | | | | | | |
|-------------------------|---|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 28,00 | 30,00 | 32,00 | 34,00 | 36,00 | 38,00 | 40,00 | 42,00 | 44,00 | 46,00 | 48,00 | 52,00 | 56,00 | 64,00 | 72,00 |
| 10 | 4,86 | 5,22 | 5,58 | 5,94 | 6,30 | 6,66 | 7,02 | 7,47 | 7,83 | 8,19 | 8,55 | 9,45 | 10,17 | 11,79 | 13,41 |
| 20 | 8,55 | 9,18 | 9,90 | 10,53 | 11,25 | 11,97 | 12,51 | 13,23 | 13,95 | 14,76 | 15,48 | 16,74 | 18,18 | 21,15 | 24,03 |
| 40 | 15,21 | 16,38 | 17,64 | 18,81 | 20,07 | 21,24 | 22,59 | 23,76 | 24,93 | 26,19 | 27,54 | 30,06 | 32,58 | 37,62 | 42,84 |
| 100 | 32,85 | 35,46 | 37,98 | 40,68 | 43,20 | 45,81 | 48,51 | 51,12 | 53,82 | 56,43 | 59,22 | 64,53 | 70,11 | 81,09 | 92,16 |
| 200 | 58,59 | 63,18 | 67,95 | 72,54 | 77,22 | 81,90 | 86,58 | 91,35 | 96,12 | 100,98 | 105,66 | 115,47 | 125,10 | 144,81 | 164,70 |
| 300 | 82,44 | 88,83 | 95,31 | 101,79 | 108,45 | 115,02 | 121,59 | 128,34 | 135,00 | 141,75 | 148,50 | 162,00 | 175,68 | 203,31 | 231,12 |
| 400 | 104,85 | 113,04 | 121,23 | 129,60 | 137,88 | 146,34 | 154,80 | 163,26 | 171,81 | 180,36 | 188,91 | 206,19 | 223,56 | 258,66 | 294,12 |
| 500 | 126,27 | 136,17 | 146,25 | 156,24 | 166,23 | 176,40 | 186,48 | 196,74 | 207,00 | 217,44 | 227,61 | 248,49 | 269,37 | 311,76 | 354,60 |
| 600 | 147,15 | 158,76 | 170,37 | 181,89 | 193,77 | 205,47 | 217,26 | 229,23 | 241,20 | 253,26 | 265,32 | 289,44 | 313,92 | 363,15 | 413,10 |
| 700 | 167,49 | 180,63 | 193,77 | 207,00 | 220,41 | 233,82 | 247,32 | 260,82 | 274,50 | 288,09 | 301,77 | 329,40 | 357,12 | 413,19 | 469,89 |
| 800 | 187,20 | 201,96 | 216,72 | 231,48 | 246,51 | 261,45 | 276,48 | 291,69 | 306,90 | 322,11 | 337,41 | 368,28 | 399,33 | 462,06 | 525,51 |
| 1000 | 225,72 | 243,45 | 261,18 | 279,09 | 297,00 | 315,09 | 333,36 | 351,54 | 369,90 | 388,35 | 406,98 | 443,97 | 481,41 | 557,01 | 633,51 |
| 1200 | 262,98 | 283,50 | 304,29 | 325,17 | 346,05 | 367,11 | 388,26 | 409,59 | 430,92 | 452,25 | 473,85 | 517,23 | 560,79 | 648,81 | 738,00 |
| 1450 | 308,16 | 332,28 | 356,49 | 380,88 | 405,45 | 430,11 | 454,95 | 479,79 | 504,90 | 530,01 | 555,21 | 605,97 | 657,00 | 760,14 | 864,63 |
| 1600 | 334,53 | 360,72 | 387,18 | 413,73 | 449,37 | 467,10 | 494,01 | 521,10 | 548,19 | 575,46 | 602,82 | 657,99 | 713,52 | 825,57 | 938,88 |
| 1800 | 369,27 | 398,16 | 427,23 | 456,48 | 485,91 | 515,52 | 545,22 | 575,10 | 605,07 | 635,22 | 665,37 | 726,12 | 787,41 | 911,07 | 1036,17 |
| 2000 | 403,29 | 434,88 | 466,65 | 498,60 | 530,73 | 563,04 | 595,53 | 628,11 | 660,87 | 693,72 | 726,75 | 793,08 | 860,04 | 995,04 | 1131,75 |
| 2400 | 469,80 | 506,61 | 543,60 | 580,77 | 618,30 | 655,83 | 693,72 | 731,70 | 769,86 | 808,11 | 846,54 | 923,85 | 1001,79 | 1159,11 | - |
| 3000 | 575,28 | 610,74 | 655,20 | 700,11 | 745,20 | 790,56 | 836,19 | 881,91 | 927,90 | 974,07 | 1020,42 | 1113,66 | 1207,62 | - | - |
| 3500 | 644,40 | 694,80 | 754,47 | 796,59 | 847,89 | 899,55 | 951,30 | 1003,41 | 1055,79 | 1108,26 | 1159,92 | - | - | - | - |
| 4000 | 720,45 | 776,97 | 833,67 | 890,82 | 948,15 | 1005,84 | 1063,80 | 1122,12 | 1180,62 | 1239,39 | - | - | - | - | - |



HORSEPOWER RATINGS FOR 14M BELTS

| RPM OF SMALLER SPROCKET | NUMBER OF TEETH IN SMALLER SPROCKET 125mm (4.92") WIDE | | | | | | | | | | | | | | |
|-------------------------|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 28,00 | 30,00 | 32,00 | 34,00 | 36,00 | 38,00 | 40,00 | 42,00 | 44,00 | 46,00 | 48,00 | 52,00 | 56,00 | 64,00 | 72,00 |
| 10 | 6,75 | 7,25 | 7,75 | 8,25 | 8,75 | 9,25 | 9,75 | 10,38 | 10,88 | 11,38 | 11,88 | 13,13 | 14,13 | 16,38 | 18,63 |
| 20 | 11,88 | 12,75 | 13,75 | 14,63 | 15,63 | 16,63 | 17,38 | 18,38 | 19,38 | 20,50 | 21,50 | 23,25 | 25,25 | 29,38 | 33,38 |
| 40 | 21,13 | 22,75 | 24,50 | 26,13 | 27,88 | 29,50 | 31,38 | 33,00 | 34,63 | 36,38 | 38,25 | 41,75 | 45,25 | 52,25 | 59,50 |
| 100 | 45,63 | 49,25 | 52,75 | 56,50 | 60,00 | 63,63 | 67,38 | 71,00 | 74,75 | 78,38 | 82,25 | 89,63 | 97,38 | 112,63 | 128,00 |
| 200 | 81,38 | 87,75 | 94,38 | 100,75 | 107,25 | 113,75 | 120,25 | 126,88 | 133,50 | 140,25 | 146,75 | 160,38 | 173,75 | 201,13 | 228,75 |
| 300 | 114,50 | 123,38 | 132,38 | 141,38 | 150,63 | 159,75 | 168,88 | 178,25 | 187,50 | 196,88 | 206,25 | 225,00 | 244,00 | 282,38 | 321,00 |
| 400 | 145,63 | 157,00 | 168,38 | 180,00 | 191,50 | 203,25 | 215,00 | 226,75 | 238,63 | 250,50 | 262,38 | 286,38 | 310,50 | 359,25 | 408,50 |
| 500 | 175,38 | 189,13 | 203,13 | 217,00 | 230,88 | 245,00 | 259,00 | 273,25 | 287,50 | 302,00 | 316,13 | 345,13 | 374,13 | 433,00 | 492,50 |
| 600 | 204,38 | 220,50 | 236,63 | 252,63 | 269,13 | 285,38 | 301,75 | 318,38 | 335,00 | 351,75 | 368,50 | 402,00 | 436,00 | 504,38 | 573,75 |
| 700 | 232,63 | 250,88 | 269,13 | 287,50 | 306,13 | 324,75 | 343,50 | 362,25 | 381,25 | 400,13 | 419,13 | 457,50 | 496,00 | 573,88 | 652,63 |
| 800 | 260,00 | 280,50 | 301,00 | 321,50 | 342,38 | 363,13 | 384,00 | 405,13 | 426,25 | 447,38 | 468,63 | 511,50 | 554,63 | 641,75 | 729,88 |
| 1000 | 313,50 | 338,13 | 362,75 | 387,63 | 412,50 | 437,63 | 463,00 | 488,25 | 513,75 | 539,38 | 565,25 | 616,63 | 668,63 | 773,63 | 879,88 |
| 1200 | 365,25 | 393,75 | 422,63 | 451,63 | 480,63 | 509,88 | 539,25 | 568,88 | 598,50 | 628,13 | 658,13 | 718,38 | 778,88 | 901,13 | 1025,00 |
| 1450 | 428,00 | 461,50 | 495,13 | 529,00 | 563,13 | 597,38 | 631,88 | 666,38 | 701,25 | 736,13 | 771,13 | 841,63 | 912,50 | 1055,75 | 1200,88 |
| 1600 | 464,63 | 501,00 | 537,75 | 574,63 | 624,13 | 648,75 | 686,13 | 723,75 | 761,38 | 799,25 | 837,25 | 913,88 | 991,00 | 1146,63 | 1304,00 |
| 1800 | 512,88 | 553,00 | 593,38 | 634,00 | 674,88 | 716,00 | 757,25 | 798,75 | 840,38 | 882,25 | 924,13 | 1008,50 | 1093,63 | 1265,38 | 1439,13 |
| 2000 | 560,13 | 604,00 | 648,13 | 692,50 | 737,13 | 782,00 | 827,13 | 872,38 | 917,88 | 963,50 | 1009,38 | 1101,50 | 1194,50 | 1382,00 | 1571,88 |
| 2400 | 652,50 | 703,63 | 755,00 | 806,63 | 858,75 | 910,88 | 963,50 | 1016,25 | 1069,25 | 1122,38 | 1175,75 | 1283,13 | 1391,38 | 1609,88 | - |
| 3000 | 799,00 | 848,25 | 910,00 | 972,38 | 1035,00 | 1098,00 | 1161,38 | 1224,88 | 1288,75 | 1352,88 | 1417,25 | 1546,75 | 1677,25 | - | - |
| 3500 | 895,00 | 965,00 | 1047,88 | 1106,38 | 1177,63 | 1249,38 | 1321,25 | 1393,63 | 1466,38 | 1539,25 | 1611,00 | - | - | - | - |
| 4000 | 1000,63 | 1079,13 | 1157,88 | 1237,25 | 1316,88 | 1397,00 | 1477,50 | 1558,50 | 1639,75 | 1721,38 | - | - | - | - | - |