## Service Factor

Table 1

| DriveN Machine | DriveR | | | | | |
|---|---|---|---|---|---|---|
| The driveN machines listed below are representative samples only. Select a driveN machine whose load characteristics most closely approximate those of the machine being considered. | AC Motors: Normal Torque, Squirrel Cage, Synchronous, Split Phase, Inverter Controlled<br>DC Motors: Shunt Wound, Stepper Motors<br>Engines: Multiple Cylinder Internal Combustion. | | | AC Motors: High Torque, High Slip, Repulsion-Induction, Single Phase, Series Wound, Slip Ring.<br>DC Motors: Series Wound, Compound Wound, Servo Motors.<br>Engines: Single Cylinder Internal Combustion. Line shafts Clutches | | |
| | Intermittent Service | Normal Service | Continuous Service | Intermittent Service | Normal Service | Continuous Service |
| | Up to 8 Hours Daily or Seasonal | 8-16 Hours Daily | 16-24 Hours Daily | Up to 8 Hours Daily or Seasonal | 8-16 Hours Daily | 16-24 Hours Daily |
| Display, Dispensing Equipment<br>Instrumentation<br>Measuring Equipment<br>Medical Equipment<br>Office, Projection Equipment | 1.0 | 1.2 | 1.4 | 1.2 | 1.4 | 1.6 |
| Appliances, Sweepers, Sewing Machines<br>Screens, Oven Screens, Drum, Conical<br>Woodworking Equipment: (Light)<br>Band Saws, Drills, Lathes | 1.1 | 1.3 | 1.5 | 1.3 | 1.5 | 1.7 |
| Agitators for Liquids<br>Conveyors: Belt, Light Package<br>Drill Press, Lathes, Saws<br>Laundry Machinery<br>Woodworking Equipment: (Heavy)<br>Circular Saws, Joiners, Planers | 1.2 | 1.4 | 1.6 | 1.6 | 1.8 | 2.0 |
| Agitators: Semi-liquid<br>Compressors: Centrifugal<br>Conveyor Belt: Coal, Ore, Sand<br>Dough Mixers<br>Line Shafts<br>Machine Tools: Grinder, Shaper<br>Boring Mill, Milling Machines<br>Paper Machinery (except Pulpers)<br>Presses, Punches, Shears<br>Printing Machinery<br>Pumps: Centrifugal, Gear<br>Screens: Revolving, Vibratory | 1.3 | 1.5 | 1.7 | 1.6 | 1.8 | 2.0 |
| Brick Machinery (except Pug Mills)<br>Conveyor: Apron, Pan, Bucket, Elevator<br>Extractors, Washers<br>Fans, Centrifugal Blowers<br>Generators & Exciters<br>Hoists<br>Rubber Calendar, Mills, Extruders | 1.4 | 1.6 | 1.8 | 1.8 | 2.0 | 2.2 |
| Centrifuges<br>Screw Conveyors<br>Hammer Mills<br>Paper Pulpers<br>Textile Machinery | 1.5 | 1.7 | 1.9 | 1.9 | 2.1 | 2.3 |
| Blowers: Positive Displacement<br>Mine Fans<br>Pulverizers | 1.6 | 1.8 | 2.0 | 2.0 | 2.2 | 2.4 |
| Compressors, Reciprocating<br>Crushers: Gyratory, Jaw, Roll<br>Mills: Ball, Rod, Pebble, etc.<br>Pumps, Reciprocating<br>Saw Mill Equipment | 1.7 | 1.9 | 2.1 | 2.1 | 2.3 | 2.5 |

## Service Factor & NEMA Minimum Pitch

### Service Factor Adjustments

**Operating Conditions**

Add for each idler Add 0.2

**Speed-up Drives**

For speed-up drives, add to the basic service factor the additional factor given below.

| Speed-up Ratio Range | Additional Factor | Speed-up Ratio Range | Additional Factor |
|---|---|---|---|
| 1 to 1.24 | none | 2.50 to 3.49 | .30 |
| 1.25 to 1.74 | .10 | 3.50 & over | .40 |
| 1.75 to 2.49 | .20 | | |

**Unusual Conditions**

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.

**Note:**

When the driveN sprocket is used as a flywheel to reduce speed fluctuations a specially constructed sprocket may be required. Obtain the WR2 of the unit and consult TB Wood's Engineering.

### Minimum Recommended Sprocket Pitch Diameters for General Purpose Electric Motors Synchronous Belts
### Table 2

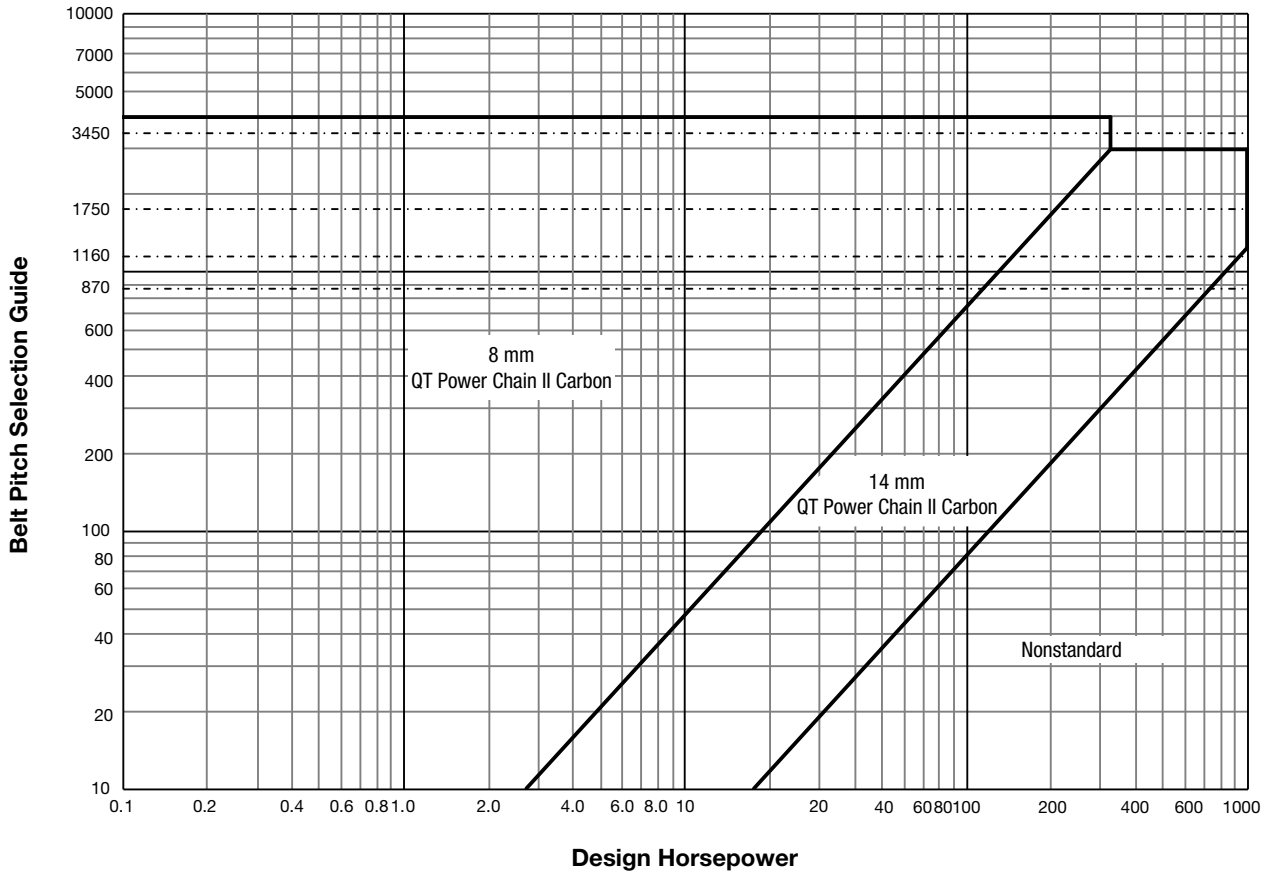
| Motor Horsepower | Motor RPM (60 Cycle and 50 Cycle Electric Motors) | | | | | |
|---|---|---|---|---|---|---|
| | 575<br>485* | 690<br>575* | 870<br>725* | 1160<br>950* | 1750<br>1425* | 3450<br>2850* |
| ½ | — | — | 2.0 | — | — | — |
| ¾ | — | — | 2.2 | 2.0 | — | — |
| 1 | 2.7 | 2.3 | 2.2 | 2.2 | 2.0 | — |
| 1½ | 2.7 | 2.7 | 2.2 | 2.2 | 2.2 | 2.0 |
| 2 | 3.4 | 2.7 | 2.7 | 2.2 | 2.2 | 2.2 |
| 3 | 4.1 | 3.4 | 2.7 | 2.7 | 2.2 | 2.2 |
| 5 | 4.1 | 4.1 | 3.4 | 2.7 | 2.7 | 2.2 |
| 7½ | 4.7 | 4.1 | 4.0 | 3.4 | 2.7 | 2.7 |
| 10 | 5.4 | 4.7 | 4.0 | 4.0 | 3.4 | 2.7 |
| 15 | 6.1 | 5.4 | 4.7 | 4.0 | 4.0 | 3.4 |
| 20 | 7.4 | 6.1 | 5.4 | 4.7 | 4.0 | 4.0 |
| 25 | 8.1 | 7.4 | 6.1 | 5.4 | 4.0 | 4.0 |
| 30 | 9.0 | 8.1 | 6.1 | 6.1 | 4.7 | — |
| 40 | 9.0 | 9.0 | 7.4 | 6.1 | 5.4 | — |
| 50 | 9.9 | 9.0 | 7.6 | 7.4 | 6.1 | — |
| 60 | 10.8 | 9.9 | 9.0 | 7.2 | 6.7 | — |
| 75 | 12.6 | 11.7 | 8.6 | 9.0 | 7.7 | — |
| 100 | 16.2 | 13.5 | 10.8 | 9.0 | 7.7 | — |
| 125 | 18.0 | 16.2 | 13.5 | 10.8 | 9.5# | — |
| 150 | 19.8 | 18.0 | 16.2 | 11.7 | 9.5 | — |
| 200 | 19.8 | 19.8 | 19.8 | — | 11.9 | — |
| 250 | 19.8 | 19.8 | — | — | — | — |
| 300 | 24.3 | 24.3 | — | — | — | — |

* Indicates 50 cycle RPM electric motors. # Frame 444T use 8.6.

Data in the white area is from NEMA Standards MG-1-14-42 of June 1972 and MG-1-14-43 of January 1968. The data in the shaded area is a composite of various motor manufacturers data. They are usually conservative, and a smaller sprocket may be permitted. Consult the motor manufacturer data.

## Pitch Selection

**Belt Pitch Selection Guide**
**Table 3**



## Standard Belt Drive Selection Procedure

**Selection of a stock QT Power Chain II Carbon Belt Drive System involves these five steps:**

1. Calculate the Design Horsepower
2. Select the Belt Pitch
3. Select the Sprockets And Belt Length
4. Select the Proper Belt Width
5. Check and Specify Stock Drive Component

**Sample Drive Selection Problem**

A gear pump is to be driven by a 40 HP normal torque electric motor with an output speed of 1160 RPM. The gear pump is to be driven at 580 RPM ±5%. The center distance is to be approximately 30 inches, but can be altered ±3 inches, if necessary. The motor shaft has a 2 3/8 inch O.D. and the pump shaft has a 3 inch O.D. The pump will operate 16 hours a day, five days a week. The pump sprocket is limited to a maximum of 18 inches O.D. There are no unusual drive conditions. Design using QT Power Chain II Carbon.

**Step 1: Calculate The Design Horsepower**

**Procedure**
To calculate the design horsepower, first determine the relative severity, then select a service factor for the drive. Average hours per day of service also should be considered. Locate the power source and the driveN unit in the Service Factor Table. The design HP then is determined by multiplying the rated HP (usually the nameplate rating) by the service factor determined above.

**Example**
Using the Service Factor Table, the driveR can be found in the fourth group. Since the pump will run 16 hours per day, follow the continuous service column down to the driveN machines group for gear pumps. The recommended Service Factor is 1.7.

**Formula 1**
Design Horsepower = (Motor Load) x (Service Factor)

**Example**
Design Horsepower = (40) x (1.7) = 68 HP

**Step 2: Select The Belt Pitch**

**Procedure**
Using the design HP and the RPM of the smaller sprocket, select the belt pitch from the Belt Pitch Selection Guide. (Table 3)

**Example**
Design Horsepower = 68 HP
Motor Speed = 1160 RPM

Locate 1160 RPM on the “RPM of Faster Shaft” scale on the left side of the chart and move over to where the 68 Design Horsepower line intersects. The intersection falls within the 8mm pitch range, but near the 14mm pitch area. Both 8mm and 14mm pitch drives should be considered.

**Step 3: Select The Sprockets and Belt Length**

**Procedure**
**A.** Determine the speed ratio. The speed ratio can be calculated by dividing the RPM of the faster shaft by the RPM of the slower shaft.

**Example**
Motor Speed = 1160 RPM
Gear Pump Speed = 580 RPM

**Formula 2**

$$\text{Speed Ratio} = \frac{\text{RPM of faster shaft}}{\text{RPM of slower shaft}}$$

**Example**

$$\text{Speed Ratio} = \frac{1160\ \text{RPM}}{580\ \text{RPM}} = 2.00$$

**B.** Select The Sprocket Combination And Belt Length: Referring to the Stock Drive Selection Tables on pages 54-53, find the proper set of tables for the belt pitch (8mm or 14mm) found in Step 2. Looking down the speed ratio column, find the value which most closely matches the belt drive speed ratio required. Reading across the selected speed ratio line, find the stock DriveR and DriveN sprocket combination available. Reading further across, locate the belt drive center distance which most closely matches the target center distance specified. The belt sizes are listed across the top of the table for each corresponding center distance.

Multiple sprocket combinations will often be available for a given speed ratio. In such cases, selection of the proper drive combination will depend on the center distance required, minimum or maximum required sprocket diameters and the recommended minimum sprocket diameter for electric motors.

After selecting possible sprocket combinations and center distances, record the belt length (top of column) and the length factor (bottom of column).

**Example**
Belt pitch = 8mm and 14mm
Belt Drive Speed Ratio = 2.00
Center Distance = 30.00 ±3.00 in.

First, refer to the 8mm Pitch Stock Drive Selection Tables. Reading down the Speed Ratio column locate 2.00. There are six various sprocket combinations within the allowable center distance range. Of these, two are closest to the desired 30 inches. These are 25 to 50 groove, and 40 to 80 groove sprocket combinations. The minimum sprocket diameter of 6.1 inches for a 40 HP motor at 1160 RPM (see Table 2) eliminates the 25 to 50 and 40 to 80 groove sprocket combinations. Therefore, an 8mm pitch drive will not be utilized for this drive system.

Now refer to the 14mm Pitch Stock Drive Selection Tables. Reading down the Speed Ratio Column locate 2.00. Several combinations are shown which will meet the 30 ± 3 inch center distance requirement. The maximum O.D. limit of 18 inches on the driveN sprocket eliminates the 56 to 112 groove combination. The preference for a center distance close to 30 inches would favor the 40 to 80 and 28 to 56 groove combinations. However, the 4.912 inch pitch diameter of the 28 groove sprocket is less than the recommended minimum diameter of 6.1 inches for the electric motor. So the 40 groove DriveR sprocket, 80 groove DriveN sprocket, and 14MPC-2380 (170 Tooth) belt combination is selected. Also note that the Belt Length Correction Factor is 1.01 with a center distance of 30.11 inches.

## Standard Belt Drive Selection Procedure

**C.** Check the belt speed. Do not exceed 6550 fpm (feet per minute) with stock sprockets. Belt Speed can be calculated using the following formula:

**Formula 3**

$$V\ (fpm) = PD\ (inches) \times \frac{Speed\ (RPM)}{3.82}$$

**Example**

14mm Pitch Drive with 40 groove driveR:

$$V = \frac{7.018 \times 1160}{3.82} = 2131.1\ fpm$$

Calculating the belt speed for the drive system being considered shows that the belt speed does not exceed 6550 fpm and can be considered further.

**Step 4: Select The Proper Belt Width**

**Procedure**

Use the horsepower rating tables for standard belt pitches and stock belt widths (pages 54-62). The base horsepower rating is given in the upper table as a function of the speed (RPM) of the faster shaft and diameter of the small sprocket. The speed of the faster shaft is located in the left hand column. Across the top are various stock sprocket sizes. The base horsepower rating of a given sprocket, at a specific speed, is the point at which the "RPM" row and the "sprocket size" column intersect.

This base horsepower rating must be corrected for speed down speed ratios, and for the belt length selected. The following formula should be used to calculate the total drive horsepower rating:

**Formula 4**

Rated Drive Horsepower = [Rated Base Horsepower + Additional Horsepower for Speed Ratio] x (Belt Length Correction Factor)

Referring to the Additional Horsepower for Speed Ratio Factor Table, select a value based upon the drive operating speed and the speed ratio. This value should be added to the base horsepower rating. Multiply the corrected rating by the applicable Belt Length Correction Factor determined in Step 3B or from the Belt Length Correction Factor Table. The drive horsepower rating must equal or exceed design horsepower.

Where there are several choices, space limitations may control the selection. Always make sure the proposed drive clears all guards and obstructions. In addition, the following guidelines should be considered:

1. Larger sprockets result in reduced belt width.
2. Larger sprockets yield longer drive service life.
3. Larger sprockets will reduce shaft/bearing load.
4. Avoid drives where the belt width exceeds the smaller sprocket diameter.
5. Avoid drives where center distance is greater than 8 times the diameter of the smaller sprocket.

**Example**

Refer to the 14mm pitch Horsepower Rating Table for 20mm Wide belts. Read down the left hand column for "RPM of Faster Shaft" and locate 1160 RPM. Read the sprocket sizes listed across the top of the table and locate the 40 groove, 5.614 inch P.D. column. Read across the "RPM" row and down the sprocket size column until the two intersect at a Rated Base Horsepower of 77.9.

Next, referencing the Additional Horsepower for Speed Ratio Factor Table, find the listing for a 2.00 speed ratio. An add-on factor of 3.53 HP is listed. Then, referencing the Belt Length Correction Factor Table, find the listing for a 14MPCC-2380 belt. A correction factor of 1.01 is listed.

Calculate the Corrected Horsepower Rating (Formula 4):

Rated Drive Horsepower = [77.9 HP + 3.53 HP] x (1.01)
= 82.24 HP

The Drive Horsepower Rating of 82.24 HP exceeds the Design Horsepower target of 68 HP. So, a belt width of 20mm is acceptable.

**Step 5: Select Specify Stock Drive Components**

**Procedure**

**A.** Check the sprockets selected in Steps 3 and 4 against the design requirements using the dimensions provided in the Sprocket Specification Tables. Use flange diameters when checking against maximum diameter requirements.

**Example**

We find the 14MPC-80S-20 driveN Sprocket has an overall flange diameter of 14.620 inches, which is less than the 18 inch maximum diameter specified.

**B.** Determine the bushing size required for each sprocket and check bore sizes by using the Sprocket Specification Tables. From the Stock Bushing tables, check the bore range and keyway dimensions against the design requirements.

**Example**

Also from the sprocket data we note that the 14MPC-40S-20 sprocket requires a 2517 bushing and the 14MPC-80S-20 sprocket requires a 3525 bushing. In the bushing table, a 2517 bushing has a bore range of 1/2 to 2 11/16 inches, which includes the 2 3/8 inch bore required for the driveR shaft. The 3525 bushing has a bore range from 13/16 to 3 15/16 inches, which includes the 3 inch bore required for the driveN shaft.

**C.** Specify stock drive components using proper designations.

**Example**

Stock drive components are as follows:
1 ea. 14MPCC238020 QT Power Chain II Carbon belt
1 ea. 14MPC40S20 driveR sprocket
1 ea. TL2517238 Bushing with a 2 3/8 in. bore
1 ea. 14MPC80S20 driveN sprocket
1 ea. TL35253 Bushing with a 3 in. bore

## Low-Speed Drive Selection Procedure

**For use when designing QT Power Chain II Carbon belt drives for gear reducer output shafts and general roller chain conversions.**

When designing QT Power Chain II Carbon belt drives to be used in low-speed applications (generally 500 RPM and less), traditional drive design procedures may yield drives with greater-than-needed capacity. These design load calculations are intended primarily for applications on the output side of gear reducers, and will yield QT Power Chain II Carbon belt drives competitive in both cost and performance with roller chain and superior to other belt drives.

A recent power transmission industry publication estimated that half of all U.S. motors operate at less than 60 percent of their rated load and one third operate at below 50 percent of their rated load. Significant power losses can also occur in speed reducers, further reducing the actual torque loads carried by belt drives.

In order to prevent over sizing belt drives for these low speed applications, the design should be based upon the actual system running load. Because the actual running load may or may not be known, the following three approaches are recommended to assist the designer in determining the appropriate design load:

### I. Actual Operating Loads Known

In those cases where the actual operating load is known, design the belt drive for the actual operating load rather than for a load based upon the motor name plate. Use Formula 5 to calculate the proper drive design load based upon motor load (name plate or measured) when the belt drive will be installed on the reducer output shaft.

**Design Load**

**Formula 5**

Design Load =
(Motor Load) x Service Factor x (% Reducer Efficiency/100)

Motor Load: From user/OEM
Service Factor: From Table 1.
% Reducer Efficiency: From Speed Reducer Catalog.

### II. Actual Operating Loads Unknown With Measurements

When the actual operating system running load is unknown, it must be estimated. This can be done with reasonable accuracy by measuring the average electrical amperage draw from the motor while under load, and calculating a motor horsepower output. Speed reducer efficiency can also be calculated and applied as well. Readings should be taken when the equipment is operating at or near the maximum loading that would normally occur.

Use Formulas 6-9 for the most accurate results if all of the needed formula values are available.

Because values for motor efficiency and power factor may not be readily available, a common industry accepted practice is to proportion the motor name plate horsepower rating with the motor name plate amperage rating and actual measured amperage value. Use Formula 9 for a reasonable estimate of actual motor horsepower load.

**D.C. Motors**

**Formula 6**

$$\text{Horsepower}^* = \frac{(\text{Amps}) \times (\text{Volts}) \times (\text{Eff})}{746}$$

Amps: as measured
Volts: as measured
Eff: % Eff/100 (from Motor Catalog or Motor Nameplate)

**Single Phase A.C. Motor**

**Formula 7**

$$\text{Horsepower}^* = \frac{(\text{Amps}) \times (\text{Volts}) \times (\text{Eff}) \times (\text{PF})}{746}$$

Amps: as measured
Volts: as measured
Eff: % Eff/100 (from Motor Catalog or Motor Nameplate)
Power Factor: as measured or from Motor Catalog.

**Three Phase A.C. Motors**

**Formula 8**

$$\text{Horsepower}^* = \frac{1.73 \times (\text{Amps}) \times (\text{Volts}) \times (\text{Eff}) \times (\text{PF})}{746}$$

Amps: as measured (average of 3 phases)
Volts: as measured
Eff: % Eff/100 (from Motor Catalog or Motor Nameplate)
Power Factor: as measured or from Motor Catalog.

**Alternative Approach**

**Formula 9**

$$\text{Horsepower} = \frac{(\text{Nameplate HP})(\text{Measured Amps})}{(\text{Nameplate Amps})}$$

Nameplate HP: maximum rated motor horsepower
(Motor Nameplate or Motor Catalog)
Measured Amps: as measured
(if 3 phase; average of 3 phases)
Nameplate Amps: maximum rated motor amps
(Motor Nameplate or Motor Catalog)

Now with a good estimate of the actual motor horsepower load, use Formula 10 to calculate the proper drive design load (when the belt drive will be installed on the reducer output shaft).

*With an estimate of actual motor load, and the belt drive connected directly to a speed reducer output shaft, use Formula 5 to calculate the drive design load.

## Low-Speed Drive Selection Procedure

**Formula 10**
Design Load = (Estimated Motor Load) x (Service Factor)

$$\times \frac{\%\ \text{Reducer Efficiency}}{100}$$

Estimated Motor Load: From Formulas 6-9
Service Factor: From Table 1
% Reducer Efficiency: from Speed Reducer Catalog.

### III. Actual Operating Loads Unknown Without Measurements

It is not always possible to determine actual motor operating loads, as it may not be possible to take amperage draw measurements from the motor. In those cases, the following guidelines should be used with caution, as they may not yield successful results in every case. They should, however, yield at least comparable, if not improved, service compared to the old roller chain drive. The procedures which follow in Table 4 should yield at least comparable, if not improved, service compared to the old roller chain drive.

In those cases where the belt drive design load is based upon the power rating of the existing roller chain drive, use Formula 11 along with good engineering judgment to calculate the proper drive design load.

**Formula 11**
Design Load = (Roller Chain Power Rating) x Service Factor

Roller Chain Power Rating: from Roller Chain Manufacturer's Catalog
Service Factor: from Table 1

**Drive Selection Procedure**

After obtaining the Design Load as described above, proceed to step 2 of the standard drive selection method described on page 18. Substitute the Design Load solution found in the Low-Speed Drive Selection for the Design Horsepower of step 1. Continue with the remainder of the drive selection as described.

For very low input RPM's it will be found that the horsepower rating tables do not have entries. In this case it is necessary to use TB Wood's Belted Drive Selection Program to find the available drive options. This program can be found at http://beltdriveselector.tbwoods.com. The Low-Speed Drive Selection techniques of this section can still be used in that program. However, some minor adjustments should be made. The Service Factor may be obtained from Table 1 or found using the Help feature in that program. It should be entered separately into the Service Factor field. The motor load and % reducer efficiency are still found as previously described, but should be entered into the Input Power field according to the following formula.

**Formula 12**

$$\text{Input Power} = (\text{Motor Load}) \times \left( \frac{\%\ \text{Reducer Efficiency}}{100} \right)$$

**Reference Information**

Speed Reducer Efficiency

If the efficiency of a speed reducer is not published, it can be calculated indirectly from the catalog data. Speed reducer manufacturers generally publish rated input horsepower and rated output torque for each speed reducer unit in their product line. In order to calculate speed reducer efficiency, either the rated output torque must be converted to output horsepower or the rated input horsepower must be converted to input torque. The torque/horsepower conversion formulas are as follows:

**Formula 13**

$$(\text{HP}) = \frac{Q \times (\text{RPM})}{63025}$$

HP = horsepower
Q = torque (lb-in)
RPM = shaft revolutions/min

**Formula 14**

$$Q = \frac{\text{HP} \times 63025}{\text{RPM}}$$

Q = torque (lb-in)
HP = horsepower
RPM = shaft revolutions/min.

**Table 4**

| Situation | Conclusion | Recommendation |
|---|---|---|
| Properly lubricated. Provides more than four months of continuous service | System is either properly designed or lightly loaded. | Base belt drive design load on the roller chain drive horsepower rating. |
| Properly lubricated. Provides less than four months of continuous service. | System may have less than adequate load capacity. | Belt drive design load based on roller chain drive horsepower rating may result in a poorly performing system. Exercise good engineering judgment. |
| Unlubricated. Provides more than four months continuous service. | System is lightly loaded.** | Base belt drive design load on roller chain drive horsepower rating. |
| Unlubricated. Provides less than four months continuous service. | It is difficult to conclude whether the system has been designed with adequate load capacity.** | Base belt drive design load on roller chain power rating but exercise good engineering judgment. |

**Unlubricated roller chain drives do not typically provide more than three to four months of service regardless of design capacity.

## Low-Speed Drive Selection Procedure

Reducer efficiency is then calculated as follows:

**Formula 15**

$$\text{Reducer Efficiency} = \frac{\text{Output HP or Q}}{\text{Input HP or Q}}$$

A general comparison of speed reducer efficiency is included in Table 5.

### Motor Data

Motor efficiency and power factor data may not be readily available, actual values vary and are motor dependent. If catalog data are not available, typical values are as follows:

**Power Factor**

Standard Motor: 0.80 typical (range from 0.55 to 0.90)
High Efficiency Motor: 0.85 typical (range from 0.73 to 0.88)

**Efficiency**

Standard Motor: 80% typical (range from 70% to 87%)
High Efficiency Motor: 88% typical (range from 84% to 93%)

### Belt Tensioning

Adequate belt installation tension is critical in preventing belt ratcheting under peak motor starting loads. To calculate proper belt installation tension values for QT Power Chain II Carbon belts, follow the procedures for belt installation tension (see page 74).

**Table 5 - General Speed Reducer Efficiency**

| Reducer Type | Ratio Range | Reduction | Approx. Efficiency, (%) |
|---|---|---|---|
| Straight Bevel Reducer | 1:1 - 4:1 | Single | 97.0% |
| Spiral Bevel Reducer | 1:1 - 5:1 | Single | 97.0% |
| Helical Reducer | 1.2:1 - 6:1 | Single | 97.0% |
| | to 30:1 | Double | 94.1% |
| | to 200:1 | Triple | 91.3% |
| Planetary Reducer | 3.5:1 - 6:1 | Single | 97.5% |
| | to 30:1 | Double | 95.1% |
| | to 200:1 | Triple | 92.7% |
| | to 1800:1 | Quadruple | 90.4% |
| Cycloidal Reducer | 6:1 - 119:1 | Single | 92.5% |
| | to 7,500:1 | Double | 85.6% |
| | to 658,000:1 | Triple | 79.1% |
| Worm Gear Reducer | 5:1 - 75:1 | Single | 45%-94% |
| | to 6,000:1 | Double | 28%-65% |

Note: Speed ratio ranges and efficiency values are approximate and vary with each manufacturer.

## Low-Speed Drive Selection Procedure

**Copy and use this worksheet to estimate actual belt drive operating loads based upon the Low-Speed Drive Design Procedure**

### Drive Design Load Worksheet for Low-Speed QT Power Chain II Carbon Drives

| To Find ▼ | Known Values | | | | | | | | | Direct Current | Alternating Current | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Amps | Volts | Motor %Eff/100 | Power Factor | HP Load | Motor RPM | Reducer Ratio | Reducer %Eff/100 | Motor Torque | | Single Phase | Three Phase |
| Motor Amps | | | | | | | | | | *(HP) (746) (V) (Eff)* | *(HP) (746) (V) (Eff) (PF)* | *(HP) (746) (173) (V) (Eff) (PF)* |
| Motor HP | | | | | | | | | | *(Amp) (V) (Eff) 746* | *(Amp) (V) (Eff) (PF) 746* | *(173) (Amp) (V) (Eff) (PF) 746* |
| Motor Torque (lb-in) | | | | | | | | | | *(HPLoad) (63025) (Motor RPM)* | | |
| Reducer Output Torque | | | | | | | | | | *(Motor Torque) (Reducer Speed Ratio) (Reducer Efficiency)* | | |
| Reducer Output Torque | | | | | | | | | | *(HP Load) (Reducer Speed Ratio) (Reducer Efficiency) (63025) (Motor RPM)* | | |

Notes:

1. Amperage measurements should be made under normal operating conditions, or recorded continuously as a function of time.
2. In three phase systems, the formula amperage value is determined by averaging the three individual phase measurements together.

# QT Power Chain® II Carbon Drive Selection

## 8mm Pre-Engineered Selection Table

| Sprocket Combinations | | | | | Center Distance (in) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DriveR | | DriveN | | | | | | | | | | | | | | | | |
| Number of Grooves | Pitch Diameter (inches) | Number of Grooves | Pitch Diameter (inches) | Speed Ratio | 8MPCC-640 P.L. 25.20 80 Teeth | 8MPCC-720 P.L. 28.35 *90 Teeth | 8MPCC-800 P.L. 31.50 100 Teeth | 8MPCC-896 P.L. 35.28 112 Teeth | 8MPCC-960 P.L. 37.80 120 Teeth | 8MPCC-1000 P.L. 39.37 125 Teeth | 8MPCC-1040 P.L. 40.94 130 Teeth | 8MPCC-1120 P.L. 44.09 140 Teeth | 8MPCC-1200 P.L. 47.24 150 Teeth | 8MPCC-1224 P.L. 48.19 153 Teeth | 8MPCC-1280 P.L. 50.39 160 Teeth | 8MPCC-1440 P.L. 56.69 180 Teeth | 8MPCC-1600 P.L. 62.99 200 Teeth | 8MPCC-1760 P.L. 69.29 220 Teeth |
| 22 | 2.206 | 22 | 2.206 | 1.000 | 9.130 | 10.71 | 12.28 | 14.17 | 15.43 | 16.22 | 17.00 | 18.58 | 20.15 | 20.63 | 21.73 | 24.88 | 28.03 | 31.18 |
| 25 | 2.506 | 25 | 2.506 | 1.000 | 8.660 | 10.24 | 11.81 | 13.70 | 14.96 | 15.75 | 16.53 | 18.11 | 19.68 | 20.16 | 21.26 | 24.41 | 27.56 | 30.71 |
| 26 | 2.607 | 26 | 2.607 | 1.000 | 8.500 | 10.08 | 11.65 | 13.54 | 14.80 | 15.59 | 16.37 | 17.95 | 19.52 | 20.00 | 21.10 | 24.25 | 27.40 | 30.55 |
| 27 | 2.707 | 27 | 2.707 | 1.000 | 8.350 | 9.920 | 11.50 | 13.39 | 14.65 | 15.43 | 16.22 | 17.79 | 19.37 | 19.84 | 20.94 | 24.09 | 27.24 | 30.39 |
| 28 | 2.807 | 28 | 2.807 | 1.000 | 8.190 | 9.770 | 11.34 | 13.23 | 14.49 | 15.28 | 16.06 | 17.64 | 19.21 | 19.69 | 20.79 | 23.94 | 27.09 | 30.24 |
| 29 | 2.907 | 29 | 2.907 | 1.000 | 8.030 | 9.610 | 11.18 | 13.07 | 14.33 | 15.12 | 15.90 | 17.48 | 19.05 | 19.53 | 20.63 | 23.78 | 26.93 | 30.08 |
| 30 | 3.008 | 30 | 3.008 | 1.000 | 7.880 | 9.450 | 11.03 | 12.92 | 14.18 | 14.96 | 15.75 | 17.32 | 18.90 | 19.37 | 20.47 | 23.62 | 26.77 | 29.92 |
| 31 | 3.108 | 31 | 3.108 | 1.000 | 7.720 | 9.290 | 10.87 | 12.76 | 14.02 | 14.80 | 15.59 | 17.16 | 18.74 | 19.21 | 20.31 | 23.46 | 26.61 | 29.76 |
| 32 | 3.208 | 32 | 3.208 | 1.000 | 7.560 | 9.140 | 10.71 | 12.60 | 13.86 | 14.65 | 15.43 | 17.01 | 18.58 | 19.06 | 20.16 | 23.31 | 26.46 | 29.61 |
| 33 | 3.308 | 33 | 3.308 | 1.000 | 7.400 | 8.980 | 10.55 | 12.44 | 13.70 | 14.49 | 15.27 | 16.85 | 18.42 | 18.90 | 20.00 | 23.15 | 26.30 | 29.45 |
| 34 | 3.409 | 34 | 3.409 | 1.000 | 7.250 | 8.820 | 10.40 | 12.29 | 13.55 | 14.33 | 15.12 | 16.69 | 18.27 | 18.74 | 19.84 | 22.99 | 26.14 | 29.29 |
| 35 | 3.509 | 35 | 3.509 | 1.000 | 7.090 | 8.660 | 10.24 | 12.13 | 13.39 | 14.17 | 14.96 | 16.53 | 18.11 | 18.58 | 19.68 | 22.83 | 25.98 | 29.13 |
| 36 | 3.609 | 36 | 3.609 | 1.000 | 6.930 | 8.510 | 10.08 | 11.97 | 13.23 | 14.02 | 14.80 | 16.38 | 17.95 | 18.43 | 19.53 | 22.68 | 25.83 | 28.98 |
| 37 | 3.709 | 37 | 3.709 | 1.000 | 6.770 | 8.350 | 9.920 | 11.81 | 13.07 | 13.86 | 14.64 | 16.22 | 17.79 | 18.27 | 19.37 | 22.52 | 25.67 | 28.82 |
| 38 | 3.810 | 38 | 3.810 | 1.000 | 6.620 | 8.190 | 9.770 | 11.66 | 12.92 | 13.70 | 14.49 | 16.06 | 17.64 | 18.11 | 19.21 | 22.36 | 25.51 | 28.66 |
| 39 | 3.910 | 39 | 3.910 | 1.000 | 6.460 | 8.030 | 9.610 | 11.50 | 12.76 | 13.54 | 14.33 | 15.90 | 17.48 | 17.95 | 19.05 | 22.20 | 25.35 | 28.50 |
| 40 | 4.010 | 40 | 4.010 | 1.000 | 6.300 | 7.880 | 9.450 | 11.34 | 12.6 | 13.39 | 14.17 | 15.75 | 17.32 | 17.80 | 18.90 | 22.05 | 25.20 | 28.35 |
| 41 | 4.110 | 41 | 4.110 | 1.000 | 6.140 | 7.720 | 9.290 | 11.18 | 12.44 | 13.23 | 14.01 | 15.59 | 17.16 | 17.64 | 18.74 | 21.89 | 25.04 | 28.19 |
| 42 | 4.211 | 42 | 4.211 | 1.000 | 5.990 | 7.560 | 9.140 | 11.03 | 12.29 | 13.07 | 13.86 | 15.43 | 17.01 | 17.48 | 18.58 | 21.73 | 24.88 | 28.03 |
| 45 | 4.511 | 45 | 4.511 | 1.000 | 5.510 | 7.090 | 8.660 | 10.55 | 11.81 | 12.60 | 13.38 | 14.96 | 16.53 | 17.01 | 18.11 | 21.26 | 24.41 | 27.56 |
| 48 | 4.812 | 48 | 4.812 | 1.000 | | 6.620 | 8.190 | 10.08 | 11.34 | 12.13 | 12.91 | 14.49 | 16.06 | 16.54 | 17.64 | 20.79 | 23.94 | 27.09 |
| 50 | 5.013 | 50 | 5.013 | 1.000 | | 6.300 | 7.880 | 9.770 | 11.03 | 11.81 | 12.6 | 14.17 | 15.75 | 16.22 | 17.32 | 20.47 | 23.62 | 26.77 |
| 53 | 5.314 | 53 | 5.314 | 1.000 | | 5.830 | 7.400 | 9.290 | 10.55 | 11.34 | 12.12 | 13.70 | 15.27 | 15.75 | 16.85 | 20.00 | 23.15 | 26.30 |
| 56 | 5.614 | 56 | 5.614 | 1.000 | | | 6.930 | 8.820 | 10.08 | 10.87 | 11.65 | 13.23 | 14.80 | 15.28 | 16.38 | 19.53 | 22.68 | 25.83 |
| 60 | 6.015 | 60 | 6.015 | 1.000 | | | | 8.190 | 9.450 | 10.24 | 11.02 | 12.60 | 14.17 | 14.65 | 15.75 | 18.90 | 22.05 | 25.20 |
| 63 | 6.316 | 63 | 6.316 | 1.000 | | | | 7.720 | 8.980 | 9.760 | 10.55 | 12.12 | 13.70 | 14.17 | 15.27 | 18.42 | 21.57 | 24.72 |
| 67 | 6.717 | 67 | 6.717 | 1.000 | | | | | 8.350 | 9.130 | 9.920 | 11.49 | 13.07 | 13.54 | 14.64 | 17.79 | 20.94 | 24.09 |
| 71 | 7.118 | 71 | 7.118 | 1.000 | | | | | 7.720 | 8.500 | 9.290 | 10.86 | 12.44 | 12.91 | 14.01 | 17.16 | 20.31 | 23.46 |
| 75 | 7.519 | 75 | 7.519 | 1.000 | | | | | | | 8.660 | 10.23 | 11.81 | 12.28 | 13.38 | 16.53 | 19.68 | 22.83 |
| 80 | 8.020 | 80 | 8.020 | 1.000 | | | | | | | | 9.450 | 11.02 | 11.50 | 12.60 | 15.75 | 18.90 | 22.05 |
| 41 | 4.110 | 42 | 4.211 | 1.024 | 6.060 | 7.640 | 9.210 | 11.10 | 12.36 | 13.15 | 13.93 | 15.51 | 17.08 | 17.56 | 18.66 | 21.81 | 24.96 | 28.11 |
| 40 | 4.010 | 41 | 4.110 | 1.025 | 6.220 | 7.800 | 9.370 | 11.26 | 12.52 | 13.31 | 14.09 | 15.67 | 17.24 | 17.72 | 18.82 | 21.97 | 25.12 | 28.27 |
| 38 | 3.810 | 39 | 3.910 | 1.026 | 6.540 | 8.110 | 9.690 | 11.58 | 12.84 | 13.62 | 14.41 | 15.98 | 17.56 | 18.03 | 19.13 | 22.28 | 25.43 | 28.58 |
| 39 | 3.910 | 40 | 4.010 | 1.026 | 6.380 | 7.950 | 9.530 | 11.42 | 12.68 | 13.46 | 14.25 | 15.82 | 17.40 | 17.87 | 18.97 | 22.12 | 25.27 | 28.42 |
| 37 | 3.709 | 38 | 3.810 | 1.027 | 6.690 | 8.270 | 9.840 | 11.73 | 12.99 | 13.78 | 14.56 | 16.14 | 17.71 | 18.19 | 19.29 | 22.44 | 25.59 | 28.74 |
| 36 | 3.609 | 37 | 3.709 | 1.028 | 6.850 | 8.430 | 10.00 | 11.89 | 13.15 | 13.94 | 14.72 | 16.30 | 17.87 | 18.35 | 19.45 | 22.6 | 25.75 | 28.9 |
| 34 | 3.409 | 35 | 3.509 | 1.029 | 7.170 | 8.740 | 10.32 | 12.21 | 13.47 | 14.25 | 15.04 | 16.61 | 18.19 | 18.66 | 19.76 | 22.91 | 26.06 | 29.21 |
| 35 | 3.509 | 36 | 3.609 | 1.029 | 7.010 | 8.580 | 10.16 | 12.05 | 13.31 | 14.09 | 14.88 | 16.45 | 18.03 | 18.50 | 19.60 | 22.75 | 25.90 | 29.05 |
| 33 | 3.308 | 34 | 3.409 | 1.030 | 7.320 | 8.900 | 10.47 | 12.36 | 13.62 | 14.41 | 15.19 | 16.77 | 18.34 | 18.82 | 19.92 | 23.07 | 26.22 | 29.37 |
| 32 | 3.208 | 33 | 3.308 | 1.031 | 7.480 | 9.060 | 10.63 | 12.52 | 13.78 | 14.57 | 15.35 | 16.93 | 18.5 | 18.98 | 20.08 | 23.23 | 26.38 | 29.53 |
| 31 | 3.108 | 32 | 3.208 | 1.032 | 7.640 | 9.210 | 10.79 | 12.68 | 13.94 | 14.72 | 15.51 | 17.08 | 18.66 | 19.13 | 20.23 | 23.38 | 26.53 | 29.68 |
| 30 | 3.008 | 31 | 3.108 | 1.033 | 7.800 | 9.370 | 10.95 | 12.84 | 14.10 | 14.88 | 15.67 | 17.24 | 18.82 | 19.29 | 20.39 | 23.54 | 26.69 | 29.84 |
| 29 | 2.907 | 30 | 3.008 | 1.034 | 7.950 | 9.530 | 11.10 | 12.99 | 14.25 | 15.04 | 15.82 | 17.40 | 18.97 | 19.45 | 20.55 | 23.70 | 26.85 | 30.00 |
| 28 | 2.807 | 29 | 2.907 | 1.036 | 8.110 | 9.690 | 11.26 | 13.15 | 14.41 | 15.20 | 15.98 | 17.56 | 19.13 | 19.61 | 20.71 | 23.86 | 27.01 | 30.16 |
| 27 | 2.707 | 28 | 2.807 | 1.037 | 8.270 | 9.840 | 11.42 | 13.31 | 14.57 | 15.35 | 16.14 | 17.71 | 19.29 | 19.76 | 20.86 | 24.01 | 27.16 | 30.31 |
| 26 | 2.607 | 27 | 2.707 | 1.038 | 8.430 | 10.00 | 11.58 | 13.47 | 14.73 | 15.51 | 16.30 | 17.87 | 19.45 | 19.92 | 21.02 | 24.17 | 27.32 | 30.47 |
| 25 | 2.506 | 26 | 2.607 | 1.040 | 8.580 | 10.16 | 11.73 | 13.62 | 14.88 | 15.67 | 16.45 | 18.03 | 19.60 | 20.08 | 21.18 | 24.33 | 27.48 | 30.63 |
| 48 | 4.812 | 50 | 5.013 | 1.042 | | 6.460 | 8.030 | 9.92 | 11.18 | 11.97 | 12.75 | 14.33 | 15.90 | 16.38 | 17.48 | 20.63 | 23.78 | 26.93 |
| 40 | 4.010 | 42 | 4.211 | 1.050 | 6.140 | 7.720 | 9.290 | 11.18 | 12.44 | 13.23 | 14.01 | 15.59 | 17.16 | 17.64 | 18.74 | 21.89 | 25.04 | 28.19 |
| 60 | 6.015 | 63 | 6.316 | 1.050 | | | | 7.95 | 9.21 | 10.00 | 10.78 | 12.36 | 13.93 | 14.41 | 15.51 | 18.66 | 21.81 | 24.96 |
| 39 | 3.910 | 41 | 4.110 | 1.051 | 6.300 | 7.880 | 9.450 | 11.34 | 12.60 | 13.39 | 14.17 | 15.75 | 17.32 | 17.80 | 18.90 | 22.05 | 25.20 | 28.35 |
| 38 | 3.810 | 40 | 4.010 | 1.053 | 6.460 | 8.030 | 9.610 | 11.50 | 12.76 | 13.54 | 14.33 | 15.90 | 17.48 | 17.95 | 19.05 | 22.20 | 25.35 | 28.50 |
| 37 | 3.709 | 39 | 3.910 | 1.054 | 6.620 | 8.190 | 9.770 | 11.66 | 12.92 | 13.7 | 14.49 | 16.06 | 17.64 | 18.11 | 19.21 | 22.36 | 25.51 | 28.66 |
| 36 | 3.609 | 38 | 3.810 | 1.056 | 6.770 | 8.350 | 9.920 | 11.81 | 13.07 | 13.86 | 14.64 | 16.22 | 17.79 | 18.27 | 19.37 | 22.52 | 25.67 | 28.82 |
| 71 | 7.118 | 75 | 7.519 | 1.056 | | | | | | 8.19 | 8.97 | 10.55 | 12.12 | 12.60 | 13.70 | 16.85 | 20.00 | 23.15 |
| 35 | 3.509 | 37 | 3.709 | 1.057 | 6.930 | 8.510 | 10.08 | 11.97 | 13.23 | 14.02 | 14.80 | 16.38 | 17.95 | 18.43 | 19.53 | 22.68 | 25.83 | 28.98 |
| 53 | 5.314 | 56 | 5.614 | 1.057 | | | 7.170 | 9.06 | 10.32 | 11.1 | 11.89 | 13.46 | 15.04 | 15.51 | 16.61 | 19.76 | 22.91 | 26.06 |
| 34 | 3.409 | 36 | 3.609 | 1.059 | 7.090 | 8.660 | 10.24 | 12.13 | 13.39 | 14.17 | 14.96 | 16.53 | 18.11 | 18.58 | 19.68 | 22.83 | 25.98 | 29.13 |
| 50 | 5.013 | 53 | 5.314 | 1.060 | | 6.060 | 7.640 | 9.53 | 10.79 | 11.57 | 12.36 | 13.93 | 15.51 | 15.98 | 17.08 | 20.23 | 23.38 | 26.53 |
| 67 | 6.717 | 71 | 7.118 | 1.060 | | | | | 8.03 | 8.82 | 9.60 | 11.18 | 12.75 | 13.23 | 14.33 | 17.48 | 20.63 | 23.78 |
| 33 | 3.308 | 35 | 3.509 | 1.061 | 7.250 | 8.820 | 10.40 | 12.29 | 13.55 | 14.33 | 15.12 | 16.69 | 18.27 | 18.74 | 19.84 | 22.99 | 26.14 | 29.29 |
| 32 | 3.208 | 34 | 3.409 | 1.063 | 7.400 | 8.980 | 10.55 | 12.44 | 13.70 | 14.49 | 15.27 | 16.85 | 18.42 | 18.90 | 20.00 | 23.15 | 26.3 | 29.45 |
| 63 | 6.316 | 67 | 6.717 | 1.063 | | | | 7.40 | 8.66 | 9.45 | 10.23 | 11.81 | 13.38 | 13.86 | 14.96 | 18.11 | 21.26 | 24.41 |
| 31 | 3.108 | 33 | 3.308 | 1.065 | 7.560 | 9.140 | 10.71 | 12.6 | 13.86 | 14.65 | 15.43 | 17.01 | 18.58 | 19.06 | 20.16 | 23.31 | 26.46 | 29.61 |
| 30 | 3.008 | 32 | 3.208 | 1.067 | 7.720 | 9.290 | 10.87 | 12.76 | 14.02 | 14.8 | 15.59 | 17.16 | 18.74 | 19.21 | 20.31 | 23.46 | 26.61 | 29.76 |
| 45 | 4.511 | 48 | 4.812 | 1.067 | 5.280 | 6.850 | 8.430 | 10.32 | 11.58 | 12.36 | 13.15 | 14.72 | 16.3 | 16.77 | 17.87 | 21.02 | 24.17 | 27.32 |
| 75 | 7.519 | 80 | 8.020 | 1.067 | | | | | | | | 9.84 | 11.41 | 11.89 | 12.99 | 16.14 | 19.29 | 22.44 |
| 29 | 2.907 | 31 | 3.108 | 1.069 | 7.880 | 9.450 | 11.03 | 12.92 | 14.18 | 14.96 | 15.75 | 17.32 | 18.90 | 19.37 | 20.47 | 23.62 | 26.77 | 29.92 |
| 28 | 2.807 | 30 | 3.008 | 1.071 | 8.030 | 9.610 | 11.18 | 13.07 | 14.33 | 15.12 | 15.90 | 17.48 | 19.05 | 19.53 | 20.63 | 23.78 | 26.93 | 30.08 |
| 42 | 4.211 | 45 | 4.511 | 1.071 | 5.750 | 7.320 | 8.900 | 10.79 | 12.05 | 12.83 | 13.62 | 15.19 | 16.77 | 17.24 | 18.34 | 21.49 | 24.64 | 27.79 |
| 56 | 5.614 | 60 | 6.015 | 1.071 | | | 6.610 | 8.500 | 9.760 | 10.55 | 11.33 | 12.91 | 14.49 | 14.96 | 16.06 | 19.21 | 22.36 | 25.51 |
| 27 | 2.707 | 29 | 2.907 | 1.074 | 8.190 | 9.770 | 11.34 | 13.23 | 14.49 | 15.28 | 16.06 | 17.64 | 19.21 | 19.69 | 20.79 | 23.94 | 27.09 | 30.24 |
| 26 | 2.607 | 28 | 2.807 | 1.077 | 8.350 | 9.920 | 11.50 | 13.39 | 14.65 | 15.43 | 16.22 | 17.79 | 19.37 | 19.84 | 20.94 | 24.09 | 27.24 | 30.39 |
| 39 | 3.910 | 42 | 4.211 | 1.077 | 6.220 | 7.800 | 9.370 | 11.26 | 12.52 | 13.31 | 14.09 | 15.67 | 17.24 | 17.72 | 18.82 | 21.97 | 25.12 | 28.27 |
| 38 | 3.810 | 41 | 4.110 | 1.079 | 6.380 | 7.950 | 9.530 | 11.42 | 12.68 | 13.46 | 14.25 | 15.82 | 17.40 | 17.87 | 18.97 | 22.12 | 25.27 | 28.42 |
| 25 | 2.506 | 27 | 2.707 | 1.080 | 8.510 | 10.08 | 11.66 | 13.55 | 14.81 | 15.59 | 16.38 | 17.95 | 19.53 | 20.00 | 21.10 | 24.25 | 27.40 | 30.55 |
| 37 | 3.709 | 40 | 4.010 | 1.081 | 6.540 | 8.110 | 9.690 | 11.58 | 12.84 | 13.62 | 14.41 | 15.98 | 17.56 | 18.03 | 19.13 | 22.28 | 25.43 | 28.58 |
| Length Factor* | | | | | 0.79 | 0.83 | 0.87 | 0.91 | 0.94 | 0.96 | 0.97 | 1.00 | 1.03 | 1.03 | 1.05 | 1.10 | 1.14 | 1.17 |

* This length factor must be used to determine the proper belt width.

## 8mm Pre-Engineered Selection Table

| Center Distance (in) | | | | | | | | | | | | | | | | Speed Ratio | Sprocket Combinations | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | DriveR | DriveN |
| 8MPCC-1792 P.L. 70.55 224 Teeth | 8MPCC-2000 P.L. 78.74 250 Teeth | 8MPCC-2200 P.L. 86.61 275 Teeth | 8MPCC-2240 P.L. 88.19 280 Teeth | 8MPCC-2400 P.L. 94.49 300 Teeth | 8MPCC-2520 P.L. 99.21 315 Teeth | 8MPCC-2600 P.L. 102.36 325 Teeth | 8MPCC-2800 P.L. 110.24 350 Teeth | 8MPCC-2840 P.L. 111.81 355 Teeth | 8MPCC-3048 P.L. 120.00 381 Teeth | 8MPCC-3200 P.L. 125.98 400 Teeth | 8MPCC-3280 P.L. 129.13 410 Teeth | 8MPCC-3600 P.L. 141.73 450 Teeth | 8MPCC-4000 P.L. 157.48 500 Teeth | 8MPCC-4400 P.L. 173.23 550 Teeth | 8MPCC-4480 P.L. 176.38 560 Teeth | | Number of Grooves | Number of Grooves |
| 31.81 | 35.90 | 39.84 | 40.63 | 43.78 | 46.14 | 47.71 | 51.65 | 52.44 | 56.53 | 59.52 | 61.10 | 67.40 | 75.27 | 83.15 | 84.72 | 1.000 | 22 | 22 |
| 31.34 | 35.43 | 39.37 | 40.16 | 43.31 | 45.67 | 47.24 | 51.18 | 51.97 | 56.06 | 59.05 | 60.63 | 66.93 | 74.80 | 82.68 | 84.25 | 1.000 | 25 | 25 |
| 31.18 | 35.27 | 39.21 | 40.00 | 43.15 | 45.51 | 47.08 | 51.02 | 51.81 | 55.90 | 58.89 | 60.47 | 66.77 | 74.64 | 82.52 | 84.09 | 1.000 | 26 | 26 |
| 31.02 | 35.12 | 39.05 | 39.84 | 42.99 | 45.35 | 46.93 | 50.87 | 51.65 | 55.75 | 58.74 | 60.31 | 66.61 | 74.49 | 82.36 | 83.94 | 1.000 | 27 | 27 |
| 30.87 | 34.96 | 38.9 | 39.69 | 42.84 | 45.20 | 46.77 | 50.71 | 51.50 | 55.59 | 58.58 | 60.16 | 66.46 | 74.33 | 82.21 | 83.78 | 1.000 | 28 | 28 |
| 30.71 | 34.80 | 38.74 | 39.53 | 42.68 | 45.04 | 46.61 | 50.55 | 51.34 | 55.43 | 58.42 | 60.00 | 66.30 | 74.17 | 82.05 | 83.62 | 1.000 | 29 | 29 |
| 30.55 | 34.65 | 38.58 | 39.37 | 42.52 | 44.88 | 46.46 | 50.40 | 51.18 | 55.28 | 58.27 | 59.84 | 66.14 | 74.02 | 81.89 | 83.47 | 1.000 | 30 | 30 |
| 30.39 | 34.49 | 38.42 | 39.21 | 42.36 | 44.72 | 46.30 | 50.24 | 51.02 | 55.12 | 58.11 | 59.68 | 65.98 | 73.86 | 81.73 | 83.31 | 1.000 | 31 | 31 |
| 30.24 | 34.33 | 38.27 | 39.06 | 42.21 | 44.57 | 46.14 | 50.08 | 50.87 | 54.96 | 57.95 | 59.53 | 65.83 | 73.70 | 81.58 | 83.15 | 1.000 | 32 | 32 |
| 30.08 | 34.17 | 38.11 | 38.90 | 42.05 | 44.41 | 45.98 | 49.92 | 50.71 | 54.80 | 57.79 | 59.37 | 65.67 | 73.54 | 81.42 | 82.99 | 1.000 | 33 | 33 |
| 29.92 | 34.02 | 37.95 | 38.74 | 41.89 | 44.25 | 45.83 | 49.77 | 50.55 | 54.65 | 57.64 | 59.21 | 65.51 | 73.39 | 81.26 | 82.84 | 1.000 | 34 | 34 |
| 29.76 | 33.86 | 37.79 | 38.58 | 41.73 | 44.09 | 45.67 | 49.61 | 50.39 | 54.49 | 57.48 | 59.05 | 65.35 | 73.23 | 81.10 | 82.68 | 1.000 | 35 | 35 |
| 29.61 | 33.70 | 37.64 | 38.43 | 41.58 | 43.94 | 45.51 | 49.45 | 50.24 | 54.33 | 57.32 | 58.90 | 65.20 | 73.07 | 80.95 | 82.52 | 1.000 | 36 | 36 |
| 29.45 | 33.54 | 37.48 | 38.27 | 41.42 | 43.78 | 45.35 | 49.29 | 50.08 | 54.17 | 57.16 | 58.74 | 65.04 | 72.91 | 80.79 | 82.36 | 1.000 | 37 | 37 |
| 29.29 | 33.39 | 37.32 | 38.11 | 41.26 | 43.62 | 45.20 | 49.14 | 49.92 | 54.02 | 57.01 | 58.58 | 64.88 | 72.76 | 80.63 | 82.21 | 1.000 | 38 | 38 |
| 29.13 | 33.23 | 37.16 | 37.95 | 41.10 | 43.46 | 45.04 | 48.98 | 49.76 | 53.86 | 56.85 | 58.42 | 64.72 | 72.60 | 80.47 | 82.05 | 1.000 | 39 | 39 |
| 28.98 | 33.07 | 37.01 | 37.8 | 40.95 | 43.31 | 44.88 | 48.82 | 49.61 | 53.70 | 56.69 | 58.27 | 64.57 | 72.44 | 80.32 | 81.89 | 1.000 | 40 | 40 |
| 28.82 | 32.91 | 36.85 | 37.64 | 40.79 | 43.15 | 44.72 | 48.66 | 49.45 | 53.54 | 56.53 | 58.11 | 64.41 | 72.28 | 80.16 | 81.73 | 1.000 | 41 | 41 |
| 28.66 | 32.76 | 36.69 | 37.48 | 40.63 | 42.99 | 44.57 | 48.51 | 49.29 | 53.39 | 56.38 | 57.95 | 64.25 | 72.13 | 80.00 | 81.58 | 1.000 | 42 | 42 |
| 28.19 | 32.28 | 36.22 | 37.01 | 40.16 | 42.52 | 44.09 | 48.03 | 48.82 | 52.91 | 55.9 | 57.48 | 63.78 | 71.65 | 79.53 | 81.10 | 1.000 | 45 | 45 |
| 27.72 | 31.81 | 35.75 | 36.54 | 39.69 | 42.05 | 43.62 | 47.56 | 48.35 | 52.44 | 55.43 | 57.01 | 63.31 | 71.18 | 79.06 | 80.63 | 1.000 | 48 | 48 |
| 27.4 | 31.50 | 35.43 | 36.22 | 39.37 | 41.73 | 43.31 | 47.25 | 48.03 | 52.13 | 55.12 | 56.69 | 62.99 | 70.87 | 78.74 | 80.32 | 1.000 | 50 | 50 |
| 26.93 | 31.02 | 34.96 | 35.75 | 38.90 | 41.26 | 42.83 | 46.77 | 47.56 | 51.65 | 54.64 | 56.22 | 62.52 | 70.39 | 78.27 | 79.84 | 1.000 | 53 | 53 |
| 26.46 | 30.55 | 34.49 | 35.28 | 38.43 | 40.79 | 42.36 | 46.30 | 47.09 | 51.18 | 54.17 | 55.75 | 62.05 | 69.92 | 77.80 | 79.37 | 1.000 | 56 | 56 |
| 25.83 | 29.92 | 33.86 | 34.65 | 37.80 | 40.16 | 41.73 | 45.67 | 46.46 | 50.55 | 53.54 | 55.12 | 61.42 | 69.29 | 77.17 | 78.74 | 1.000 | 60 | 60 |
| 25.35 | 29.45 | 33.38 | 34.17 | 37.32 | 39.68 | 41.26 | 45.20 | 45.98 | 50.08 | 53.07 | 54.64 | 60.94 | 68.82 | 76.69 | 78.27 | 1.000 | 63 | 63 |
| 24.72 | 28.82 | 32.75 | 33.54 | 36.69 | 39.05 | 40.63 | 44.57 | 45.35 | 49.45 | 52.44 | 54.01 | 60.31 | 68.19 | 76.06 | 77.64 | 1.000 | 67 | 67 |
| 24.09 | 28.19 | 32.12 | 32.91 | 36.06 | 38.42 | 40.00 | 43.94 | 44.72 | 48.82 | 51.81 | 53.38 | 59.68 | 67.56 | 75.43 | 77.01 | 1.000 | 71 | 71 |
| 23.46 | 27.56 | 31.49 | 32.28 | 35.43 | 37.79 | 39.37 | 43.31 | 44.09 | 48.19 | 51.18 | 52.75 | 59.05 | 66.93 | 74.80 | 76.38 | 1.000 | 75 | 75 |
| 22.68 | 26.77 | 30.71 | 31.50 | 34.65 | 37.01 | 38.58 | 42.52 | 43.31 | 47.40 | 50.39 | 51.97 | 58.27 | 66.14 | 74.02 | 75.59 | 1.000 | 80 | 80 |
| 28.74 | 32.83 | 36.77 | 37.56 | 40.71 | 43.07 | 44.64 | 48.58 | 49.37 | 53.46 | 56.45 | 58.03 | 64.33 | 72.20 | 80.08 | 81.65 | 1.024 | 41 | 42 |
| 28.90 | 32.99 | 36.93 | 37.72 | 40.87 | 43.23 | 44.80 | 48.74 | 49.53 | 53.62 | 56.61 | 58.19 | 64.49 | 72.36 | 80.24 | 81.81 | 1.025 | 40 | 41 |
| 29.21 | 33.31 | 37.24 | 38.03 | 41.18 | 43.54 | 45.12 | 49.06 | 49.84 | 53.94 | 56.93 | 58.50 | 64.80 | 72.68 | 80.55 | 82.13 | 1.026 | 38 | 39 |
| 29.05 | 33.15 | 37.08 | 37.87 | 41.02 | 43.38 | 44.96 | 48.9 | 49.68 | 53.78 | 56.77 | 58.34 | 64.64 | 72.52 | 80.39 | 81.97 | 1.026 | 39 | 40 |
| 29.37 | 33.46 | 37.40 | 38.19 | 41.34 | 43.70 | 45.27 | 49.21 | 50.00 | 54.09 | 57.08 | 58.66 | 64.96 | 72.83 | 80.71 | 82.28 | 1.027 | 37 | 38 |
| 29.53 | 33.62 | 37.56 | 38.35 | 41.50 | 43.86 | 45.43 | 49.37 | 50.16 | 54.25 | 57.24 | 58.82 | 65.12 | 72.99 | 80.87 | 82.44 | 1.028 | 36 | 37 |
| 29.84 | 33.94 | 37.87 | 38.66 | 41.81 | 44.17 | 45.75 | 49.69 | 50.47 | 54.57 | 57.56 | 59.13 | 65.43 | 73.31 | 81.18 | 82.76 | 1.029 | 34 | 35 |
| 29.68 | 33.78 | 37.71 | 38.50 | 41.65 | 44.01 | 45.59 | 49.53 | 50.31 | 54.41 | 57.40 | 58.97 | 65.27 | 73.15 | 81.02 | 82.60 | 1.029 | 35 | 36 |
| 30.00 | 34.09 | 38.03 | 38.82 | 41.97 | 44.33 | 45.90 | 49.84 | 50.63 | 54.72 | 57.71 | 59.29 | 65.59 | 73.46 | 81.34 | 82.91 | 1.030 | 33 | 34 |
| 30.16 | 34.25 | 38.19 | 38.98 | 42.13 | 44.49 | 46.06 | 50.00 | 50.79 | 54.88 | 57.87 | 59.45 | 65.75 | 73.62 | 81.50 | 83.07 | 1.031 | 32 | 33 |
| 30.31 | 34.41 | 38.34 | 39.13 | 42.28 | 44.64 | 46.22 | 50.16 | 50.94 | 55.04 | 58.03 | 59.60 | 65.90 | 73.78 | 81.65 | 83.23 | 1.032 | 31 | 32 |
| 30.47 | 34.57 | 38.50 | 39.29 | 42.44 | 44.80 | 46.38 | 50.32 | 51.10 | 55.20 | 58.19 | 59.76 | 66.06 | 73.94 | 81.81 | 83.39 | 1.033 | 30 | 31 |
| 30.63 | 34.72 | 38.66 | 39.45 | 42.60 | 44.96 | 46.53 | 50.47 | 51.26 | 55.35 | 58.34 | 59.92 | 66.22 | 74.09 | 81.97 | 83.54 | 1.034 | 29 | 30 |
| 30.79 | 34.88 | 38.82 | 39.61 | 42.76 | 45.12 | 46.69 | 50.63 | 51.42 | 55.51 | 58.50 | 60.08 | 66.38 | 74.25 | 82.13 | 83.70 | 1.036 | 28 | 29 |
| 30.94 | 35.04 | 38.97 | 39.76 | 42.91 | 45.27 | 46.85 | 50.79 | 51.57 | 55.67 | 58.66 | 60.23 | 66.53 | 74.41 | 82.28 | 83.86 | 1.037 | 27 | 28 |
| 31.10 | 35.20 | 39.13 | 39.92 | 43.07 | 45.43 | 47.01 | 50.95 | 51.73 | 55.83 | 58.82 | 60.39 | 66.69 | 74.57 | 82.44 | 84.02 | 1.038 | 26 | 27 |
| 31.26 | 35.35 | 39.29 | 40.08 | 43.23 | 45.59 | 47.16 | 51.10 | 51.89 | 55.98 | 58.97 | 60.55 | 66.85 | 74.72 | 82.60 | 84.17 | 1.040 | 25 | 26 |
| 27.56 | 31.65 | 35.59 | 36.38 | 39.53 | 41.89 | 43.46 | 47.40 | 48.19 | 52.28 | 55.27 | 56.85 | 63.15 | 71.02 | 78.90 | 80.47 | 1.042 | 48 | 50 |
| 28.82 | 32.91 | 36.85 | 37.64 | 40.79 | 43.15 | 44.72 | 48.66 | 49.45 | 53.54 | 56.53 | 58.11 | 64.41 | 72.28 | 80.16 | 81.73 | 1.050 | 40 | 42 |
| 25.59 | 29.68 | 33.62 | 34.41 | 37.56 | 39.92 | 41.49 | 45.44 | 46.22 | 50.32 | 53.31 | 54.88 | 61.18 | 69.06 | 76.93 | 78.51 | 1.050 | 60 | 63 |
| 28.98 | 33.07 | 37.01 | 37.80 | 40.95 | 43.31 | 44.88 | 48.82 | 49.61 | 53.70 | 56.69 | 58.27 | 64.57 | 72.44 | 80.32 | 81.89 | 1.051 | 39 | 41 |
| 29.13 | 33.23 | 37.16 | 37.95 | 41.10 | 43.46 | 45.04 | 48.98 | 49.76 | 53.86 | 56.85 | 58.42 | 64.72 | 72.60 | 80.47 | 82.05 | 1.053 | 38 | 40 |
| 29.29 | 33.39 | 37.32 | 38.11 | 41.26 | 43.62 | 45.20 | 49.14 | 49.92 | 54.02 | 57.01 | 58.58 | 64.88 | 72.76 | 80.63 | 82.21 | 1.054 | 37 | 39 |
| 29.45 | 33.54 | 37.48 | 38.27 | 41.42 | 43.78 | 45.35 | 49.29 | 50.08 | 54.17 | 57.16 | 58.74 | 65.04 | 72.91 | 80.79 | 82.36 | 1.056 | 36 | 38 |
| 23.78 | 27.87 | 31.81 | 32.60 | 35.75 | 38.11 | 39.68 | 43.62 | 44.41 | 48.50 | 51.49 | 53.07 | 59.37 | 67.24 | 75.12 | 76.69 | 1.056 | 71 | 75 |
| 29.61 | 33.7 | 37.64 | 38.43 | 41.58 | 43.94 | 45.51 | 49.45 | 50.24 | 54.33 | 57.32 | 58.90 | 65.20 | 73.07 | 80.95 | 82.52 | 1.057 | 35 | 37 |
| 26.69 | 30.79 | 34.72 | 35.51 | 38.66 | 41.02 | 42.60 | 46.54 | 47.32 | 51.42 | 54.41 | 55.98 | 62.28 | 70.16 | 78.03 | 79.61 | 1.057 | 53 | 56 |
| 29.76 | 33.86 | 37.79 | 38.58 | 41.73 | 44.09 | 45.67 | 49.61 | 50.39 | 54.49 | 57.48 | 59.05 | 65.35 | 73.23 | 81.10 | 82.68 | 1.059 | 34 | 36 |
| 27.16 | 31.26 | 35.19 | 35.98 | 39.13 | 41.49 | 43.07 | 47.01 | 47.79 | 51.89 | 54.88 | 56.45 | 62.75 | 70.63 | 78.50 | 80.08 | 1.060 | 50 | 53 |
| 24.41 | 28.50 | 32.44 | 33.23 | 36.38 | 38.74 | 40.31 | 44.25 | 45.04 | 49.13 | 52.12 | 53.70 | 60.00 | 67.87 | 75.75 | 77.32 | 1.060 | 67 | 71 |
| 29.92 | 34.02 | 37.95 | 38.74 | 41.89 | 44.25 | 45.83 | 49.77 | 50.55 | 54.65 | 57.64 | 59.21 | 65.51 | 73.39 | 81.26 | 82.84 | 1.061 | 33 | 35 |
| 30.08 | 34.17 | 38.11 | 38.90 | 42.05 | 44.41 | 45.98 | 49.92 | 50.71 | 54.80 | 57.79 | 59.37 | 65.67 | 73.54 | 81.42 | 82.99 | 1.063 | 32 | 34 |
| 25.04 | 29.13 | 33.07 | 33.86 | 37.01 | 39.37 | 40.94 | 44.88 | 45.67 | 49.76 | 52.75 | 54.33 | 60.63 | 68.50 | 76.38 | 77.95 | 1.063 | 63 | 67 |
| 30.24 | 34.33 | 38.27 | 39.06 | 42.21 | 44.57 | 46.14 | 50.08 | 50.87 | 54.96 | 57.95 | 59.53 | 65.83 | 73.70 | 81.58 | 83.15 | 1.065 | 31 | 33 |
| 30.39 | 34.49 | 38.42 | 39.21 | 42.36 | 44.72 | 46.30 | 50.24 | 51.02 | 55.12 | 58.11 | 59.68 | 65.98 | 73.86 | 81.73 | 83.31 | 1.067 | 30 | 32 |
| 27.95 | 32.05 | 35.98 | 36.77 | 39.92 | 42.28 | 43.86 | 47.80 | 48.58 | 52.68 | 55.67 | 57.24 | 63.54 | 71.42 | 79.29 | 80.87 | 1.067 | 45 | 48 |
| 23.07 | 27.16 | 31.10 | 31.89 | 35.04 | 37.40 | 38.97 | 42.91 | 43.70 | 47.80 | 50.79 | 52.36 | 58.66 | 66.54 | 74.41 | 75.99 | 1.067 | 75 | 80 |
| 30.55 | 34.65 | 38.58 | 39.37 | 42.52 | 44.88 | 46.46 | 50.40 | 51.18 | 55.28 | 58.27 | 59.84 | 66.14 | 74.02 | 81.89 | 83.47 | 1.069 | 29 | 31 |
| 30.71 | 34.80 | 38.74 | 39.53 | 42.68 | 45.04 | 46.61 | 50.55 | 51.34 | 55.43 | 58.42 | 60.00 | 66.30 | 74.17 | 82.05 | 83.62 | 1.071 | 28 | 30 |
| 28.42 | 32.52 | 36.45 | 37.24 | 40.39 | 42.75 | 44.33 | 48.27 | 49.05 | 53.15 | 56.14 | 57.71 | 64.01 | 71.89 | 79.76 | 81.34 | 1.071 | 42 | 45 |
| 26.14 | 30.24 | 34.17 | 34.96 | 38.11 | 40.47 | 42.05 | 45.99 | 46.77 | 50.87 | 53.86 | 55.43 | 61.73 | 69.61 | 77.48 | 79.06 | 1.071 | 56 | 60 |
| 30.87 | 34.96 | 38.9 | 39.69 | 42.84 | 45.20 | 46.77 | 50.71 | 51.50 | 55.59 | 58.58 | 60.16 | 66.46 | 74.33 | 82.21 | 83.78 | 1.074 | 27 | 29 |
| 31.02 | 35.12 | 39.05 | 39.84 | 42.99 | 45.35 | 46.93 | 50.87 | 51.65 | 55.75 | 58.74 | 60.31 | 66.61 | 74.49 | 82.36 | 83.94 | 1.077 | 26 | 28 |
| 28.90 | 32.99 | 36.93 | 37.72 | 40.87 | 43.23 | 44.80 | 48.74 | 49.53 | 53.62 | 56.61 | 58.19 | 64.49 | 72.36 | 80.24 | 81.81 | 1.077 | 39 | 42 |
| 29.05 | 33.15 | 37.08 | 37.87 | 41.02 | 43.38 | 44.96 | 48.90 | 49.68 | 53.78 | 56.77 | 58.34 | 64.64 | 72.52 | 80.39 | 81.97 | 1.079 | 38 | 41 |
| 31.18 | 35.28 | 39.21 | 40.00 | 43.15 | 45.51 | 47.09 | 51.03 | 51.81 | 55.91 | 58.90 | 60.47 | 66.77 | 74.65 | 82.52 | 84.10 | 1.080 | 25 | 27 |
| 29.21 | 33.31 | 37.24 | 38.03 | 41.18 | 43.54 | 45.12 | 49.06 | 49.84 | 53.94 | 56.93 | 58.50 | 64.80 | 72.68 | 80.55 | 82.13 | 1.081 | 37 | 40 |
| 1.18 | 1.22 | 1.26 | 1.26 | 1.29 | 1.31 | 1.32 | 1.35 | 1.36 | 1.38 | 1.40 | 1.41 | 1.45 | 1.49 | 1.52 | 1.53 | Length Factor* | | |

* This length factor must be used to determine the proper belt width.

# QT Power Chain® II Carbon Drive Selection

## 8mm Pre-Engineered Drive Selection Table

| Sprocket Combinations | | | | | Center Distance (in) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DriveR | | DriveN | | | 8MPCC-640 P.L. 25.20 80 Teeth | 8MPCC-720 P.L. 28.35 *90 Teeth | 8MPCC-800 P.L. 31.50 100 Teeth | 8MPCC-896 P.L. 35.28 112 Teeth | 8MPCC-960 P.L. 37.80 120 Teeth | 8MPCC-1000 P.L. 39.37 125 Teeth | 8MPCC-1040 P.L. 40.94 130 Teeth | 8MPCC-1120 P.L. 44.09 140 Teeth | 8MPCC-1200 P.L. 47.24 150 Teeth | 8MPCC-1224 P.L. 48.19 153 Teeth | 8MPCC-1280 P.L. 50.39 160 Teeth | 8MPCC-1440 P.L. 56.69 180 Teeth | 8MPCC-1600 P.L. 62.99 200 Teeth | 8MPCC-1760 P.L. 69.29 220 Teeth |
| Number of Grooves | Pitch Diameter (inches) | Number of Grooves | Pitch Diameter (inches) | Speed Ratio | | | | | | | | | | | | | | |
| 36 | 3.609 | 39 | 3.910 | 1.083 | 6.69 | 8.27 | 9.84 | 11.73 | 12.99 | 13.78 | 14.56 | 16.14 | 17.71 | 18.19 | 19.29 | 22.44 | 25.59 | 28.74 |
| 35 | 3.509 | 38 | 3.810 | 1.086 | 6.85 | 8.43 | 10.00 | 11.89 | 13.15 | 13.94 | 14.72 | 16.30 | 17.87 | 18.35 | 19.45 | 22.60 | 25.75 | 28.90 |
| 34 | 3.409 | 37 | 3.709 | 1.088 | 7.01 | 8.58 | 10.16 | 12.05 | 13.31 | 14.09 | 14.88 | 16.45 | 18.03 | 18.50 | 19.60 | 22.75 | 25.90 | 29.05 |
| 33 | 3.308 | 36 | 3.609 | 1.091 | 7.17 | 8.74 | 10.32 | 12.21 | 13.47 | 14.25 | 15.04 | 16.61 | 18.19 | 18.66 | 19.76 | 22.91 | 26.06 | 29.21 |
| 32 | 3.208 | 35 | 3.509 | 1.094 | 7.32 | 8.90 | 10.47 | 12.36 | 13.62 | 14.41 | 15.19 | 16.77 | 18.34 | 18.82 | 19.92 | 23.07 | 26.22 | 29.37 |
| 31 | 3.108 | 34 | 3.409 | 1.097 | 7.48 | 9.06 | 10.63 | 12.52 | 13.78 | 14.57 | 15.35 | 16.93 | 18.50 | 18.98 | 20.08 | 23.23 | 26.38 | 29.53 |
| 41 | 4.110 | 45 | 4.511 | 1.098 | 5.83 | 7.40 | 8.98 | 10.87 | 12.13 | 12.91 | 13.70 | 15.27 | 16.85 | 17.32 | 18.42 | 21.57 | 24.72 | 27.87 |
| 30 | 3.008 | 33 | 3.308 | 1.100 | 7.64 | 9.21 | 10.79 | 12.68 | 13.94 | 14.72 | 15.51 | 17.08 | 18.66 | 19.13 | 20.23 | 23.38 | 26.53 | 29.68 |
| 29 | 2.907 | 32 | 3.208 | 1.103 | 7.80 | 9.37 | 10.95 | 12.84 | 14.10 | 14.88 | 15.67 | 17.24 | 18.82 | 19.29 | 20.39 | 23.54 | 26.69 | 29.84 |
| 48 | 4.812 | 53 | 5.314 | 1.104 | | 6.22 | 7.79 | 9.68 | 10.94 | 11.73 | 12.51 | 14.09 | 15.67 | 16.14 | 17.24 | 20.39 | 23.54 | 26.69 |
| 38 | 3.810 | 42 | 4.211 | 1.105 | 6.30 | 7.87 | 9.45 | 11.34 | 12.60 | 13.38 | 14.17 | 15.74 | 17.32 | 17.79 | 18.89 | 22.04 | 25.19 | 28.34 |
| 28 | 2.807 | 31 | 3.108 | 1.107 | 7.95 | 9.53 | 11.10 | 12.99 | 14.25 | 15.04 | 15.82 | 17.40 | 18.97 | 19.45 | 20.55 | 23.70 | 26.85 | 30.00 |
| 37 | 3.709 | 41 | 4.110 | 1.108 | 6.46 | 8.03 | 9.61 | 11.50 | 12.76 | 13.54 | 14.33 | 15.90 | 17.48 | 17.95 | 19.05 | 22.20 | 25.35 | 28.50 |
| 27 | 2.707 | 30 | 3.008 | 1.111 | 8.11 | 9.69 | 11.26 | 13.15 | 14.41 | 15.20 | 15.98 | 17.56 | 19.13 | 19.61 | 20.71 | 23.86 | 27.01 | 30.16 |
| 36 | 3.609 | 40 | 4.010 | 1.111 | 6.61 | 8.19 | 9.76 | 11.65 | 12.91 | 13.70 | 14.48 | 16.06 | 17.63 | 18.11 | 19.21 | 22.36 | 25.51 | 28.66 |
| 45 | 4.511 | 50 | 5.013 | 1.111 | | 6.69 | 8.27 | 10.16 | 11.42 | 12.20 | 12.99 | 14.56 | 16.14 | 16.61 | 17.71 | 20.86 | 24.01 | 27.16 |
| 35 | 3.509 | 39 | 3.910 | 1.114 | 6.77 | 8.35 | 9.92 | 11.81 | 13.07 | 13.86 | 14.64 | 16.22 | 17.79 | 18.27 | 19.37 | 22.52 | 25.67 | 28.82 |
| 26 | 2.607 | 29 | 2.907 | 1.115 | 8.27 | 9.84 | 11.42 | 13.31 | 14.57 | 15.35 | 16.14 | 17.71 | 19.29 | 19.76 | 20.86 | 24.01 | 27.16 | 30.31 |
| 60 | 6.015 | 67 | 6.717 | 1.117 | | | | 7.63 | 8.89 | 9.68 | 10.46 | 12.04 | 13.62 | 14.09 | 15.19 | 18.34 | 21.49 | 24.64 |
| 34 | 3.409 | 38 | 3.810 | 1.118 | 6.93 | 8.50 | 10.08 | 11.97 | 13.23 | 14.01 | 14.80 | 16.37 | 17.95 | 18.42 | 19.52 | 22.67 | 25.82 | 28.97 |
| 67 | 6.717 | 75 | 7.519 | 1.119 | | | | | 7.71 | 8.49 | 9.28 | 10.86 | 12.43 | 12.91 | 14.01 | 17.16 | 20.31 | 23.46 |
| 25 | 2.506 | 28 | 2.807 | 1.120 | 8.43 | 10.00 | 11.58 | 13.47 | 14.73 | 15.51 | 16.30 | 17.87 | 19.45 | 19.92 | 21.02 | 24.17 | 27.32 | 30.47 |
| 50 | 5.013 | 56 | 5.614 | 1.120 | | 5.82 | 7.40 | 9.29 | 10.55 | 11.33 | 12.12 | 13.70 | 15.27 | 15.75 | 16.85 | 20.00 | 23.15 | 26.30 |
| 33 | 3.308 | 37 | 3.709 | 1.121 | 7.09 | 8.66 | 10.24 | 12.13 | 13.39 | 14.17 | 14.96 | 16.53 | 18.11 | 18.58 | 19.68 | 22.83 | 25.98 | 29.13 |
| 32 | 3.208 | 36 | 3.609 | 1.125 | 7.24 | 8.82 | 10.39 | 12.28 | 13.54 | 14.33 | 15.11 | 16.69 | 18.26 | 18.74 | 19.84 | 22.99 | 26.14 | 29.29 |
| 40 | 4.010 | 45 | 4.511 | 1.125 | 5.90 | 7.48 | 9.05 | 10.94 | 12.21 | 12.99 | 13.78 | 15.35 | 16.93 | 17.40 | 18.50 | 21.65 | 24.80 | 27.95 |
| 56 | 5.614 | 63 | 6.316 | 1.125 | | | | 8.26 | 9.52 | 10.31 | 11.09 | 12.67 | 14.25 | 14.72 | 15.82 | 18.97 | 22.12 | 25.27 |
| 80 | 8.020 | 90 | 9.023 | 1.125 | | | | | | | | | 10.22 | 10.70 | 11.80 | 14.95 | 18.10 | 21.25 |
| 63 | 6.316 | 71 | 7.118 | 1.127 | | | | | 8.34 | 9.13 | 9.91 | 11.49 | 13.06 | 13.54 | 14.64 | 17.79 | 20.94 | 24.09 |
| 71 | 7.118 | 80 | 8.020 | 1.127 | | | | | | | 8.57 | 10.15 | 11.72 | 12.20 | 13.30 | 16.45 | 19.60 | 22.75 |
| 31 | 3.108 | 35 | 3.509 | 1.129 | 7.40 | 8.98 | 10.55 | 12.44 | 13.70 | 14.49 | 15.27 | 16.85 | 18.42 | 18.90 | 20.00 | 23.15 | 26.30 | 29.45 |
| 53 | 5.314 | 60 | 6.015 | 1.132 | | | 6.84 | 8.74 | 10.00 | 10.78 | 11.57 | 13.14 | 14.72 | 15.19 | 16.29 | 19.44 | 22.59 | 25.74 |
| 30 | 3.008 | 34 | 3.409 | 1.133 | 7.56 | 9.13 | 10.71 | 12.60 | 13.86 | 14.64 | 15.43 | 17.00 | 18.58 | 19.05 | 20.15 | 23.30 | 26.45 | 29.60 |
| 37 | 3.709 | 42 | 4.211 | 1.135 | 6.37 | 7.95 | 9.53 | 11.42 | 12.68 | 13.46 | 14.25 | 15.82 | 17.40 | 17.87 | 18.97 | 22.12 | 25.27 | 28.42 |
| 22 | 2.206 | 25 | 2.506 | 1.136 | 8.90 | 10.47 | 12.05 | 13.94 | 15.20 | 15.98 | 16.77 | 18.34 | 19.92 | 20.39 | 21.49 | 24.64 | 27.79 | 30.94 |
| 29 | 2.907 | 33 | 3.308 | 1.138 | 7.72 | 9.29 | 10.87 | 12.76 | 14.02 | 14.80 | 15.59 | 17.16 | 18.74 | 19.21 | 20.31 | 23.46 | 26.61 | 29.76 |
| 36 | 3.609 | 41 | 4.110 | 1.139 | 6.53 | 8.11 | 9.68 | 11.57 | 12.84 | 13.62 | 14.41 | 15.98 | 17.56 | 18.03 | 19.13 | 22.28 | 25.43 | 28.58 |
| 28 | 2.807 | 32 | 3.208 | 1.143 | 7.87 | 9.45 | 11.02 | 12.91 | 14.17 | 14.96 | 15.74 | 17.32 | 18.89 | 19.37 | 20.47 | 23.62 | 26.77 | 29.92 |
| 35 | 3.509 | 40 | 4.010 | 1.143 | 6.69 | 8.27 | 9.84 | 11.73 | 12.99 | 13.78 | 14.56 | 16.14 | 17.71 | 18.19 | 19.29 | 22.44 | 25.59 | 28.74 |
| 42 | 4.211 | 48 | 4.812 | 1.143 | 5.51 | 7.08 | 8.66 | 10.55 | 11.81 | 12.59 | 13.38 | 14.96 | 16.53 | 17.01 | 18.11 | 21.26 | 24.41 | 27.56 |
| 34 | 3.409 | 39 | 3.910 | 1.147 | 6.85 | 8.42 | 10.00 | 11.89 | 13.15 | 13.93 | 14.72 | 16.29 | 17.87 | 18.34 | 19.45 | 22.60 | 25.75 | 28.90 |
| 27 | 2.707 | 31 | 3.108 | 1.148 | 8.03 | 9.61 | 11.18 | 13.07 | 14.33 | 15.12 | 15.90 | 17.48 | 19.05 | 19.53 | 20.63 | 23.78 | 26.93 | 30.08 |
| 33 | 3.308 | 38 | 3.810 | 1.152 | 7.01 | 8.58 | 10.16 | 12.05 | 13.31 | 14.09 | 14.88 | 16.45 | 18.03 | 18.50 | 19.60 | 22.75 | 25.90 | 29.05 |
| 26 | 2.607 | 30 | 3.008 | 1.154 | 8.19 | 9.76 | 11.34 | 13.23 | 14.49 | 15.27 | 16.06 | 17.63 | 19.21 | 19.68 | 20.78 | 23.93 | 27.08 | 30.23 |
| 39 | 3.910 | 45 | 4.511 | 1.154 | 5.98 | 7.56 | 9.13 | 11.02 | 12.28 | 13.07 | 13.85 | 15.43 | 17.00 | 17.48 | 18.58 | 21.73 | 24.88 | 28.03 |
| 32 | 3.208 | 37 | 3.709 | 1.156 | 7.16 | 8.74 | 10.31 | 12.20 | 13.47 | 14.25 | 15.04 | 16.61 | 18.19 | 18.66 | 19.76 | 22.91 | 26.06 | 29.21 |
| 25 | 2.506 | 29 | 2.907 | 1.160 | 8.35 | 9.92 | 11.50 | 13.39 | 14.65 | 15.43 | 16.22 | 17.79 | 19.37 | 19.84 | 20.94 | 24.09 | 27.24 | 30.39 |
| 31 | 3.108 | 36 | 3.609 | 1.161 | 7.32 | 8.90 | 10.47 | 12.36 | 13.62 | 14.41 | 15.19 | 16.77 | 18.34 | 18.82 | 19.92 | 23.07 | 26.22 | 29.37 |
| 30 | 3.008 | 35 | 3.509 | 1.167 | 7.48 | 9.05 | 10.63 | 12.52 | 13.78 | 14.56 | 15.35 | 16.92 | 18.50 | 18.97 | 20.07 | 23.23 | 26.38 | 29.53 |
| 36 | 3.609 | 42 | 4.211 | 1.167 | 6.45 | 8.03 | 9.60 | 11.49 | 12.75 | 13.54 | 14.33 | 15.90 | 17.48 | 17.95 | 19.05 | 22.20 | 25.35 | 28.50 |
| 48 | 4.812 | 56 | 5.614 | 1.167 | | 5.97 | 7.55 | 9.44 | 10.70 | 11.49 | 12.27 | 13.85 | 15.43 | 15.90 | 17.00 | 20.15 | 23.30 | 26.45 |
| 35 | 3.509 | 41 | 4.110 | 1.171 | 6.61 | 8.19 | 9.76 | 11.65 | 12.91 | 13.70 | 14.48 | 16.06 | 17.63 | 18.11 | 19.21 | 22.36 | 25.51 | 28.66 |
| 41 | 4.110 | 48 | 4.812 | 1.171 | 5.58 | 7.16 | 8.74 | 10.63 | 11.89 | 12.67 | 13.46 | 15.03 | 16.61 | 17.08 | 18.18 | 21.33 | 24.49 | 27.64 |
| 29 | 2.907 | 34 | 3.409 | 1.172 | 7.64 | 9.21 | 10.79 | 12.68 | 13.94 | 14.72 | 15.51 | 17.08 | 18.66 | 19.13 | 20.23 | 23.38 | 26.53 | 29.68 |
| 34 | 3.409 | 40 | 4.010 | 1.176 | 6.77 | 8.34 | 9.92 | 11.81 | 13.07 | 13.85 | 14.64 | 16.22 | 17.79 | 18.27 | 19.37 | 22.52 | 25.67 | 28.82 |
| 45 | 4.511 | 53 | 5.314 | 1.178 | | 6.45 | 8.02 | 9.92 | 11.18 | 11.96 | 12.75 | 14.32 | 15.90 | 16.37 | 17.47 | 20.62 | 23.78 | 26.93 |
| 28 | 2.807 | 33 | 3.308 | 1.179 | 7.79 | 9.37 | 10.94 | 12.83 | 14.10 | 14.88 | 15.67 | 17.24 | 18.82 | 19.29 | 20.39 | 23.54 | 26.69 | 29.84 |
| 22 | 2.206 | 26 | 2.607 | 1.182 | 8.82 | 10.39 | 11.97 | 13.86 | 15.12 | 15.90 | 16.69 | 18.26 | 19.84 | 20.31 | 21.41 | 24.56 | 27.71 | 30.86 |
| 33 | 3.308 | 39 | 3.910 | 1.182 | 6.92 | 8.50 | 10.08 | 11.97 | 13.23 | 14.01 | 14.80 | 16.37 | 17.95 | 18.42 | 19.52 | 22.67 | 25.82 | 28.97 |
| 60 | 6.015 | 71 | 7.118 | 1.183 | | | | 7.30 | 8.57 | 9.35 | 10.14 | 11.72 | 13.29 | 13.77 | 14.87 | 18.02 | 21.17 | 24.32 |
| 38 | 3.810 | 45 | 4.511 | 1.184 | 6.05 | 7.63 | 9.21 | 11.10 | 12.36 | 13.15 | 13.93 | 15.51 | 17.08 | 17.56 | 18.66 | 21.81 | 24.96 | 28.11 |
| 27 | 2.707 | 32 | 3.208 | 1.185 | 7.95 | 9.53 | 11.10 | 12.99 | 14.25 | 15.04 | 15.82 | 17.40 | 18.97 | 19.45 | 20.55 | 23.70 | 26.85 | 30.00 |
| 32 | 3.208 | 38 | 3.810 | 1.188 | 7.08 | 8.66 | 10.23 | 12.12 | 13.38 | 14.17 | 14.96 | 16.53 | 18.11 | 18.58 | 19.68 | 22.83 | 25.98 | 29.13 |
| 53 | 5.314 | 63 | 6.316 | 1.189 | | | 6.60 | 8.49 | 9.75 | 10.54 | 11.32 | 12.90 | 14.48 | 14.95 | 16.05 | 19.20 | 22.36 | 25.51 |
| 42 | 4.211 | 50 | 5.013 | 1.190 | 5.34 | 6.92 | 8.50 | 10.39 | 11.65 | 12.43 | 13.22 | 14.80 | 16.37 | 16.85 | 17.95 | 21.10 | 24.25 | 27.40 |
| 63 | 6.316 | 75 | 7.519 | 1.190 | | | | | 8.01 | 8.80 | 9.59 | 11.16 | 12.74 | 13.22 | 14.32 | 17.47 | 20.62 | 23.77 |
| 26 | 2.607 | 31 | 3.108 | 1.192 | 8.11 | 9.68 | 11.26 | 13.15 | 14.41 | 15.19 | 15.98 | 17.55 | 19.13 | 19.60 | 20.70 | 23.86 | 27.01 | 30.16 |
| 31 | 3.108 | 37 | 3.709 | 1.194 | 7.24 | 8.82 | 10.39 | 12.28 | 13.54 | 14.33 | 15.11 | 16.69 | 18.26 | 18.74 | 19.84 | 22.99 | 26.14 | 29.29 |
| 67 | 6.717 | 80 | 8.020 | 1.194 | | | | | | 8.08 | 8.87 | 10.45 | 12.03 | 12.50 | 13.60 | 16.76 | 19.91 | 23.06 |
| 56 | 5.614 | 67 | 6.717 | 1.196 | | | | 7.94 | 9.20 | 9.99 | 10.77 | 12.35 | 13.92 | 14.40 | 15.50 | 18.65 | 21.80 | 24.95 |
| 25 | 2.506 | 30 | 3.008 | 1.200 | 8.27 | 9.84 | 11.42 | 13.31 | 14.57 | 15.35 | 16.14 | 17.71 | 19.29 | 19.76 | 20.86 | 24.01 | 27.16 | 30.31 |
| 30 | 3.008 | 36 | 3.609 | 1.200 | 7.40 | 8.97 | 10.55 | 12.44 | 13.70 | 14.48 | 15.27 | 16.85 | 18.42 | 18.90 | 20.00 | 23.15 | 26.30 | 29.45 |
| 35 | 3.509 | 42 | 4.211 | 1.200 | 6.53 | 8.10 | 9.68 | 11.57 | 12.83 | 13.62 | 14.40 | 15.98 | 17.55 | 18.03 | 19.13 | 22.28 | 25.43 | 28.58 |
| 40 | 4.010 | 48 | 4.812 | 1.200 | 5.66 | 7.24 | 8.81 | 10.70 | 11.96 | 12.75 | 13.54 | 15.11 | 16.69 | 17.16 | 18.26 | 21.41 | 24.56 | 27.71 |
| 50 | 5.013 | 60 | 6.015 | 1.200 | | | 7.07 | 8.96 | 10.23 | 11.01 | 11.80 | 13.37 | 14.95 | 15.43 | 16.53 | 19.68 | 22.83 | 25.98 |
| 75 | 7.519 | 90 | 9.023 | 1.200 | | | | | | | | 9.02 | 10.60 | 11.08 | 12.18 | 15.33 | 18.49 | 21.64 |
| 34 | 3.409 | 41 | 4.110 | 1.206 | 6.69 | 8.26 | 9.84 | 11.73 | 12.99 | 13.78 | 14.56 | 16.14 | 17.71 | 18.19 | 19.29 | 22.44 | 25.59 | 28.74 |
| Length Factor* | | | | | 0.79 | 0.83 | 0.87 | 0.91 | 0.94 | 0.96 | 0.97 | 1.00 | 1.03 | 1.03 | 1.05 | 1.10 | 1.14 | 1.17 |

* This length factor must be used to determine the proper belt width.

## 8mm Pre-Enginnered Drive Selection Table

| Center Distance (in) | | | | | | | | | | | | | | | | | Speed Ratio | Sprocket Combinations | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8MPCC-1792 P.L. 70.55 224 Teeth | 8MPCC-2000 P.L. 78.74 250 Teeth | 8MPCC-2200 P.L. 86.61 275 Teeth | 8MPCC-2240 P.L. 88.19 280 Teeth | 8MPCC-2400 P.L. 94.49 300 Teeth | 8MPCC-2520 P.L. 99.21 315 Teeth | 8MPCC-2600 P.L. 102.36 325 Teeth | 8MPCC-2800 P.L. 110.24 350 Teeth | 8MPCC-2840 P.L. 111.81 355 Teeth | 8MPCC-3048 P.L. 120.00 381 Teeth | 8MPCC-3200 P.L. 125.98 400 Teeth | 8MPCC-3280 P.L. 129.13 410 Teeth | 8MPCC-3600 P.L. 141.73 450 Teeth | 8MPCC-4000 P.L. 157.48 500 Teeth | 8MPCC-4400 P.L. 173.23 550 Teeth | 8MPCC-4480 P.L. 176.38 560 Teeth | | DriveR | DriveN |
| | | | | | | | | | | | | | | | | | | Number of Grooves | Number of Grooves |
| 29.37 | 33.46 | 37.40 | 38.19 | 41.34 | 43.70 | 45.27 | 49.21 | 50.00 | 54.09 | 57.08 | 58.66 | 64.96 | 72.83 | 80.71 | 82.28 | 1.083 | 36 | 39 |
| 29.53 | 33.62 | 37.56 | 38.35 | 41.50 | 43.86 | 45.43 | 49.37 | 50.16 | 54.25 | 57.24 | 58.82 | 65.12 | 72.99 | 80.87 | 82.44 | 1.086 | 35 | 38 |
| 29.68 | 33.78 | 37.71 | 38.50 | 41.65 | 44.01 | 45.59 | 49.53 | 50.31 | 54.41 | 57.40 | 58.97 | 65.27 | 73.15 | 81.02 | 82.60 | 1.088 | 34 | 37 |
| 29.84 | 33.94 | 37.87 | 38.66 | 41.81 | 44.17 | 45.75 | 49.69 | 50.47 | 54.57 | 57.56 | 59.13 | 65.43 | 73.31 | 81.18 | 82.76 | 1.091 | 33 | 36 |
| 30.00 | 34.09 | 38.03 | 38.82 | 41.97 | 44.33 | 45.90 | 49.84 | 50.63 | 54.72 | 57.71 | 59.29 | 65.59 | 73.46 | 81.34 | 82.91 | 1.094 | 32 | 35 |
| 30.16 | 34.25 | 38.19 | 38.98 | 42.13 | 44.49 | 46.06 | 50.00 | 50.79 | 54.88 | 57.87 | 59.45 | 65.75 | 73.62 | 81.50 | 83.07 | 1.097 | 31 | 34 |
| 28.50 | 32.60 | 36.53 | 37.32 | 40.47 | 42.83 | 44.41 | 48.35 | 49.13 | 53.23 | 56.22 | 57.79 | 64.09 | 71.97 | 79.84 | 81.42 | 1.098 | 41 | 45 |
| 30.31 | 34.41 | 38.34 | 39.13 | 42.28 | 44.64 | 46.22 | 50.16 | 50.94 | 55.04 | 58.03 | 59.60 | 65.90 | 73.78 | 81.65 | 83.23 | 1.100 | 30 | 33 |
| 30.47 | 34.57 | 38.50 | 39.29 | 42.44 | 44.80 | 46.38 | 50.32 | 51.10 | 55.20 | 58.19 | 59.76 | 66.06 | 73.94 | 81.81 | 83.39 | 1.103 | 29 | 32 |
| 27.32 | 31.42 | 35.35 | 36.14 | 39.29 | 41.65 | 43.23 | 47.17 | 47.95 | 52.05 | 55.04 | 56.61 | 62.91 | 70.79 | 78.66 | 80.24 | 1.104 | 48 | 53 |
| 28.97 | 33.07 | 37.00 | 37.79 | 40.94 | 43.30 | 44.88 | 48.82 | 49.60 | 53.70 | 56.69 | 58.26 | 64.57 | 72.44 | 80.32 | 81.89 | 1.105 | 38 | 42 |
| 30.63 | 34.72 | 38.66 | 39.45 | 42.60 | 44.96 | 46.53 | 50.47 | 51.26 | 55.35 | 58.34 | 59.92 | 66.22 | 74.09 | 81.97 | 83.54 | 1.107 | 28 | 31 |
| 29.13 | 33.23 | 37.16 | 37.95 | 41.10 | 43.46 | 45.04 | 48.98 | 49.76 | 53.86 | 56.85 | 58.42 | 64.72 | 72.60 | 80.47 | 82.05 | 1.108 | 37 | 41 |
| 30.79 | 34.88 | 38.82 | 39.61 | 42.76 | 45.12 | 46.69 | 50.63 | 51.42 | 55.51 | 58.50 | 60.08 | 66.38 | 74.25 | 82.13 | 83.70 | 1.111 | 27 | 30 |
| 29.29 | 33.39 | 37.32 | 38.11 | 41.26 | 43.62 | 45.20 | 49.14 | 49.92 | 54.02 | 57.01 | 58.58 | 64.88 | 72.76 | 80.63 | 82.21 | 1.111 | 36 | 40 |
| 27.79 | 31.89 | 35.82 | 36.61 | 39.76 | 42.12 | 43.70 | 47.64 | 48.42 | 52.52 | 55.51 | 57.08 | 63.38 | 71.26 | 79.13 | 80.71 | 1.111 | 45 | 50 |
| 29.45 | 33.54 | 37.48 | 38.27 | 41.42 | 43.78 | 45.35 | 49.29 | 50.08 | 54.17 | 57.16 | 58.74 | 65.04 | 72.91 | 80.79 | 82.36 | 1.114 | 35 | 39 |
| 30.94 | 35.04 | 38.97 | 39.76 | 42.91 | 45.27 | 46.85 | 50.79 | 51.57 | 55.67 | 58.66 | 60.23 | 66.53 | 74.41 | 82.28 | 83.86 | 1.115 | 26 | 29 |
| 25.27 | 29.37 | 33.30 | 34.09 | 37.24 | 39.60 | 41.18 | 45.12 | 45.90 | 50.00 | 52.99 | 54.56 | 60.86 | 68.74 | 76.61 | 78.19 | 1.117 | 60 | 67 |
| 29.60 | 33.70 | 37.63 | 38.42 | 41.57 | 43.93 | 45.51 | 49.45 | 50.23 | 54.33 | 57.32 | 58.89 | 65.19 | 73.07 | 80.94 | 82.52 | 1.118 | 34 | 38 |
| 24.09 | 28.19 | 32.12 | 32.91 | 36.06 | 38.42 | 40.00 | 43.94 | 44.72 | 48.82 | 51.81 | 53.38 | 59.68 | 67.56 | 75.43 | 77.01 | 1.119 | 67 | 75 |
| 31.10 | 35.20 | 39.13 | 39.92 | 43.07 | 45.43 | 47.01 | 50.95 | 51.73 | 55.83 | 58.82 | 60.39 | 66.69 | 74.57 | 82.44 | 84.02 | 1.120 | 25 | 28 |
| 26.93 | 31.02 | 34.96 | 35.75 | 38.90 | 41.26 | 42.83 | 46.77 | 47.56 | 51.65 | 54.64 | 56.22 | 62.52 | 70.39 | 78.27 | 79.84 | 1.120 | 50 | 56 |
| 29.76 | 33.86 | 37.79 | 38.58 | 41.73 | 44.09 | 45.67 | 49.61 | 50.39 | 54.49 | 57.48 | 59.05 | 65.35 | 73.23 | 81.10 | 82.68 | 1.121 | 33 | 37 |
| 29.92 | 34.02 | 37.95 | 38.74 | 41.89 | 44.25 | 45.83 | 49.77 | 50.55 | 54.65 | 57.64 | 59.21 | 65.51 | 73.39 | 81.26 | 82.84 | 1.125 | 32 | 36 |
| 28.58 | 32.68 | 36.61 | 37.40 | 40.55 | 42.91 | 44.49 | 48.43 | 49.21 | 53.31 | 56.30 | 57.87 | 64.17 | 72.05 | 79.92 | 81.50 | 1.125 | 40 | 45 |
| 25.90 | 30.00 | 33.93 | 34.72 | 37.87 | 40.23 | 41.81 | 45.75 | 46.53 | 50.63 | 53.62 | 55.19 | 61.49 | 69.37 | 77.24 | 78.82 | 1.125 | 56 | 63 |
| 21.88 | 25.98 | 29.92 | 30.71 | 33.86 | 36.22 | 37.79 | 41.73 | 42.52 | 46.61 | 49.60 | 51.18 | 57.48 | 65.35 | 73.23 | 74.80 | 1.125 | 80 | 90 |
| 24.72 | 28.82 | 32.75 | 33.54 | 36.69 | 39.05 | 40.63 | 44.57 | 45.35 | 49.45 | 52.44 | 54.01 | 60.31 | 68.19 | 76.06 | 77.64 | 1.127 | 63 | 71 |
| 23.38 | 27.48 | 31.41 | 32.20 | 35.35 | 37.71 | 39.29 | 43.23 | 44.01 | 48.11 | 51.10 | 52.67 | 58.97 | 66.85 | 74.72 | 76.30 | 1.127 | 71 | 80 |
| 30.08 | 34.17 | 38.11 | 38.90 | 42.05 | 44.41 | 45.98 | 49.92 | 50.71 | 54.80 | 57.79 | 59.37 | 65.67 | 73.54 | 81.42 | 82.99 | 1.129 | 31 | 35 |
| 26.37 | 30.47 | 34.41 | 35.20 | 38.35 | 40.71 | 42.28 | 46.22 | 47.01 | 51.10 | 54.09 | 55.67 | 61.97 | 69.84 | 77.72 | 79.29 | 1.132 | 53 | 60 |
| 30.23 | 34.33 | 38.26 | 39.05 | 42.20 | 44.56 | 46.14 | 50.08 | 50.86 | 54.96 | 57.95 | 59.52 | 65.82 | 73.70 | 81.57 | 83.15 | 1.133 | 30 | 34 |
| 29.05 | 33.15 | 37.08 | 37.87 | 41.02 | 43.38 | 44.96 | 48.90 | 49.68 | 53.78 | 56.77 | 58.34 | 64.64 | 72.52 | 80.39 | 81.97 | 1.135 | 37 | 42 |
| 31.57 | 35.67 | 39.60 | 40.39 | 43.54 | 45.90 | 47.48 | 51.42 | 52.20 | 56.30 | 59.29 | 60.86 | 67.16 | 75.04 | 82.91 | 84.49 | 1.136 | 22 | 25 |
| 30.39 | 34.49 | 38.42 | 39.21 | 42.36 | 44.72 | 46.30 | 50.24 | 51.02 | 55.12 | 58.11 | 59.68 | 65.98 | 73.86 | 81.73 | 83.31 | 1.138 | 29 | 33 |
| 29.21 | 33.31 | 37.24 | 38.03 | 41.18 | 43.54 | 45.12 | 49.06 | 49.84 | 53.94 | 56.93 | 58.50 | 64.80 | 72.68 | 80.55 | 82.13 | 1.139 | 36 | 41 |
| 30.55 | 34.65 | 38.58 | 39.37 | 42.52 | 44.88 | 46.46 | 50.40 | 51.18 | 55.28 | 58.27 | 59.84 | 66.14 | 74.02 | 81.89 | 83.47 | 1.143 | 28 | 32 |
| 29.37 | 33.46 | 37.40 | 38.19 | 41.34 | 43.70 | 45.27 | 49.21 | 50.00 | 54.09 | 57.08 | 58.66 | 64.96 | 72.83 | 80.71 | 82.28 | 1.143 | 35 | 40 |
| 28.19 | 32.28 | 36.22 | 37.01 | 40.16 | 42.52 | 44.09 | 48.03 | 48.82 | 52.91 | 55.90 | 57.48 | 63.78 | 71.65 | 79.53 | 81.10 | 1.143 | 42 | 48 |
| 29.53 | 33.62 | 37.56 | 38.35 | 41.50 | 43.86 | 45.43 | 49.37 | 50.16 | 54.25 | 57.24 | 58.82 | 65.12 | 72.99 | 80.87 | 82.44 | 1.147 | 34 | 39 |
| 30.71 | 34.80 | 38.74 | 39.53 | 42.68 | 45.04 | 46.61 | 50.55 | 51.34 | 55.43 | 58.42 | 60.00 | 66.30 | 74.17 | 82.05 | 83.62 | 1.148 | 27 | 31 |
| 29.68 | 33.78 | 37.71 | 38.50 | 41.65 | 44.01 | 45.59 | 49.53 | 50.31 | 54.41 | 57.40 | 58.97 | 65.27 | 73.15 | 81.02 | 82.60 | 1.152 | 33 | 38 |
| 30.86 | 34.96 | 38.89 | 39.68 | 42.83 | 45.19 | 46.77 | 50.71 | 51.49 | 55.59 | 58.58 | 60.15 | 66.45 | 74.33 | 82.20 | 83.78 | 1.154 | 26 | 30 |
| 28.66 | 32.75 | 36.69 | 37.48 | 40.63 | 42.99 | 44.57 | 48.51 | 49.29 | 53.39 | 56.38 | 57.95 | 64.25 | 72.13 | 80.00 | 81.58 | 1.154 | 39 | 45 |
| 29.84 | 33.94 | 37.87 | 38.66 | 41.81 | 44.17 | 45.75 | 49.69 | 50.47 | 54.57 | 57.56 | 59.13 | 65.43 | 73.31 | 81.18 | 82.76 | 1.156 | 32 | 37 |
| 31.02 | 35.12 | 39.05 | 39.84 | 42.99 | 45.35 | 46.93 | 50.87 | 51.65 | 55.75 | 58.74 | 60.31 | 66.61 | 74.49 | 82.36 | 83.94 | 1.160 | 25 | 29 |
| 30.00 | 34.09 | 38.03 | 38.82 | 41.97 | 44.33 | 45.90 | 49.84 | 50.63 | 54.72 | 57.71 | 59.29 | 65.59 | 73.46 | 81.34 | 82.91 | 1.161 | 31 | 36 |
| 30.16 | 34.25 | 38.19 | 38.98 | 42.13 | 44.49 | 46.06 | 50.00 | 50.79 | 54.88 | 57.87 | 59.45 | 65.75 | 73.62 | 81.50 | 83.07 | 1.167 | 30 | 35 |
| 29.13 | 33.23 | 37.16 | 37.95 | 41.10 | 43.46 | 45.04 | 48.98 | 49.76 | 53.86 | 56.85 | 58.42 | 64.72 | 72.60 | 80.47 | 82.05 | 1.167 | 36 | 42 |
| 27.08 | 31.18 | 35.11 | 35.90 | 39.05 | 41.41 | 42.99 | 46.93 | 47.71 | 51.81 | 54.80 | 56.38 | 62.68 | 70.55 | 78.43 | 80.00 | 1.167 | 48 | 56 |
| 29.29 | 33.38 | 37.32 | 38.11 | 41.26 | 43.62 | 45.20 | 49.14 | 49.92 | 54.02 | 57.01 | 58.58 | 64.88 | 72.76 | 80.63 | 82.21 | 1.171 | 35 | 41 |
| 28.27 | 32.36 | 36.30 | 37.09 | 40.24 | 42.60 | 44.17 | 48.11 | 48.90 | 52.99 | 55.98 | 57.56 | 63.86 | 71.73 | 79.61 | 81.18 | 1.171 | 41 | 48 |
| 30.31 | 34.41 | 38.34 | 39.13 | 42.28 | 44.64 | 46.22 | 50.16 | 50.94 | 55.04 | 58.03 | 59.60 | 65.90 | 73.78 | 81.65 | 83.23 | 1.172 | 29 | 34 |
| 29.45 | 33.54 | 37.48 | 38.27 | 41.42 | 43.78 | 45.35 | 49.29 | 50.08 | 54.17 | 57.16 | 58.74 | 65.04 | 72.91 | 80.79 | 82.36 | 1.176 | 34 | 40 |
| 27.56 | 31.65 | 35.59 | 36.38 | 39.53 | 41.89 | 43.46 | 47.40 | 48.19 | 52.28 | 55.27 | 56.85 | 63.15 | 71.02 | 78.90 | 80.47 | 1.178 | 45 | 53 |
| 30.47 | 34.57 | 38.50 | 39.29 | 42.44 | 44.80 | 46.38 | 50.32 | 51.10 | 55.20 | 58.19 | 59.76 | 66.06 | 73.94 | 81.81 | 83.39 | 1.179 | 28 | 33 |
| 31.49 | 35.59 | 39.52 | 40.31 | 43.46 | 45.82 | 47.40 | 51.34 | 52.12 | 56.22 | 59.21 | 60.78 | 67.08 | 74.96 | 82.83 | 84.41 | 1.182 | 22 | 26 |
| 29.60 | 33.70 | 37.63 | 38.42 | 41.57 | 43.93 | 45.51 | 49.45 | 50.24 | 54.33 | 57.32 | 58.90 | 65.20 | 73.07 | 80.95 | 82.52 | 1.182 | 33 | 39 |
| 24.95 | 29.05 | 32.99 | 33.78 | 36.93 | 39.29 | 40.86 | 44.80 | 45.59 | 49.68 | 52.67 | 54.25 | 60.55 | 68.42 | 76.30 | 77.87 | 1.183 | 60 | 71 |
| 28.74 | 32.83 | 36.77 | 37.56 | 40.71 | 43.07 | 44.64 | 48.58 | 49.37 | 53.46 | 56.45 | 58.03 | 64.33 | 72.20 | 80.08 | 81.65 | 1.184 | 38 | 45 |
| 30.63 | 34.72 | 38.66 | 39.45 | 42.60 | 44.96 | 46.53 | 50.47 | 51.26 | 55.35 | 58.34 | 59.92 | 66.22 | 74.09 | 81.97 | 83.54 | 1.185 | 27 | 32 |
| 29.76 | 33.86 | 37.79 | 38.58 | 41.73 | 44.09 | 45.67 | 49.61 | 50.39 | 54.49 | 57.48 | 59.05 | 65.35 | 73.23 | 81.10 | 82.68 | 1.188 | 32 | 38 |
| 26.14 | 30.23 | 34.17 | 34.96 | 38.11 | 40.47 | 42.04 | 45.98 | 46.77 | 50.86 | 53.85 | 55.43 | 61.73 | 69.60 | 77.48 | 79.05 | 1.189 | 53 | 63 |
| 28.03 | 32.12 | 36.06 | 36.85 | 40.00 | 42.36 | 43.93 | 47.87 | 48.66 | 52.75 | 55.74 | 57.32 | 63.62 | 71.49 | 79.37 | 80.94 | 1.190 | 42 | 50 |
| 24.40 | 28.50 | 32.43 | 33.22 | 36.37 | 38.73 | 40.31 | 44.25 | 45.03 | 49.13 | 52.12 | 53.70 | 60.00 | 67.87 | 75.75 | 77.32 | 1.190 | 63 | 75 |
| 30.79 | 34.88 | 38.82 | 39.61 | 42.76 | 45.12 | 46.69 | 50.63 | 51.42 | 55.51 | 58.50 | 60.08 | 66.38 | 74.25 | 82.13 | 83.70 | 1.192 | 26 | 31 |
| 29.92 | 34.01 | 37.95 | 38.74 | 41.89 | 44.25 | 45.82 | 49.77 | 50.55 | 54.65 | 57.64 | 59.21 | 65.51 | 73.39 | 81.26 | 82.84 | 1.194 | 31 | 37 |
| 23.69 | 27.79 | 31.72 | 32.51 | 35.66 | 38.03 | 39.60 | 43.54 | 44.33 | 48.42 | 51.41 | 52.99 | 59.29 | 67.16 | 75.04 | 76.61 | 1.194 | 67 | 80 |
| 25.58 | 29.68 | 33.62 | 34.41 | 37.56 | 39.92 | 41.49 | 45.43 | 46.22 | 50.31 | 53.30 | 54.88 | 61.18 | 69.05 | 76.93 | 78.50 | 1.196 | 56 | 67 |
| 30.94 | 35.04 | 38.97 | 39.76 | 42.91 | 45.27 | 46.85 | 50.79 | 51.57 | 55.67 | 58.66 | 60.23 | 66.53 | 74.41 | 82.28 | 83.86 | 1.200 | 25 | 30 |
| 30.08 | 34.17 | 38.11 | 38.90 | 42.05 | 44.41 | 45.98 | 49.92 | 50.71 | 54.80 | 57.79 | 59.37 | 65.67 | 73.54 | 81.42 | 82.99 | 1.200 | 30 | 36 |
| 29.21 | 33.30 | 37.24 | 38.03 | 41.18 | 43.54 | 45.12 | 49.06 | 49.84 | 53.94 | 56.93 | 58.50 | 64.80 | 72.68 | 80.55 | 82.13 | 1.200 | 35 | 42 |
| 28.34 | 32.44 | 36.37 | 37.16 | 40.31 | 42.67 | 44.25 | 48.19 | 48.97 | 53.07 | 56.06 | 57.63 | 63.93 | 71.81 | 79.69 | 81.26 | 1.200 | 40 | 48 |
| 26.61 | 30.70 | 34.64 | 35.43 | 38.58 | 40.94 | 42.52 | 46.46 | 47.24 | 51.34 | 54.33 | 55.90 | 62.20 | 70.08 | 77.95 | 79.53 | 1.200 | 50 | 60 |
| 22.27 | 26.37 | 30.30 | 31.09 | 34.24 | 36.61 | 38.18 | 42.12 | 42.91 | 47.00 | 49.99 | 51.57 | 57.87 | 65.74 | 73.62 | 75.19 | 1.200 | 75 | 90 |
| 29.37 | 33.46 | 37.40 | 38.19 | 41.34 | 43.70 | 45.27 | 49.21 | 50.00 | 54.09 | 57.08 | 58.66 | 64.96 | 72.83 | 80.71 | 82.28 | 1.206 | 34 | 41 |
| 1.18 | 1.22 | 1.26 | 1.26 | 1.29 | 1.31 | 1.32 | 1.35 | 1.36 | 1.38 | 1.40 | 1.41 | 1.45 | 1.49 | 1.52 | 1.53 | LengthFactor* | | |

* This length factor must be used to determine the proper belt width.

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

## 8mm Pre-Engineered Drive Selection Table

| Sprocket Combinations | | | | | Center Distance (in) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DriveR | | DriveN | | | | | | | | | | | | | | | | |
| Number of Grooves | Pitch Diameter (inches) | Number of Grooves | Pitch Diameter (inches) | Speed Ratio | 8MPCC-640 P.L. 25.20 80 Teeth | 8MPCC-720 P.L. 28.35 90 Teeth | 8MPCC-800 P.L. 31.50 100 Teeth | 8MPCC-896 P.L. 35.28 112 Teeth | 8MPCC-960 P.L. 37.80 120 Teeth | 8MPCC-1000 P.L. 39.37 125 Teeth | 8MPCC-1040 P.L. 40.94 130 Teeth | 8MPCC-1120 P.L. 44.09 140 Teeth | 8MPCC-1200 P.L. 47.24 150 Teeth | 8MPCC-1224 P.L. 48.19 153 Teeth | 8MPCC-1280 P.L. 50.39 160 Teeth | 8MPCC-1440 P.L. 56.69 180 Teeth | 8MPCC-1600 P.L. 62.99 200 Teeth | 8MPCC-1760 P.L. 69.29 220 Teeth |
| 29 | 2.907 | 35 | 3.509 | 1.207 | 7.55 | 9.13 | 10.71 | 12.60 | 13.86 | 14.64 | 15.43 | 17.00 | 18.58 | 19.05 | 20.15 | 23.30 | 26.45 | 29.60 |
| 33 | 3.308 | 40 | 4.010 | 1.212 | 6.84 | 8.42 | 10.00 | 11.89 | 13.15 | 13.93 | 14.72 | 16.29 | 17.87 | 18.34 | 19.44 | 22.59 | 25.75 | 28.90 |
| 28 | 2.807 | 34 | 3.409 | 1.214 | 7.71 | 9.29 | 10.86 | 12.75 | 14.01 | 14.80 | 15.59 | 17.16 | 18.74 | 19.21 | 20.31 | 23.46 | 26.61 | 29.76 |
| 37 | 3.709 | 45 | 4.511 | 1.216 | 6.13 | 7.71 | 9.29 | 11.18 | 12.44 | 13.22 | 14.01 | 15.58 | 17.16 | 17.63 | 18.73 | 21.89 | 25.04 | 28.19 |
| 32 | 3.208 | 39 | 3.910 | 1.219 | 7.00 | 8.58 | 10.15 | 12.04 | 13.30 | 14.09 | 14.88 | 16.45 | 18.03 | 18.50 | 19.60 | 22.75 | 25.90 | 29.05 |
| 41 | 4.110 | 50 | 5.013 | 1.220 | 5.42 | 7.00 | 8.57 | 10.47 | 11.73 | 12.51 | 13.30 | 14.87 | 16.45 | 16.92 | 18.02 | 21.17 | 24.33 | 27.48 |
| 27 | 2.707 | 33 | 3.308 | 1.222 | 7.87 | 9.45 | 11.02 | 12.91 | 14.17 | 14.96 | 15.74 | 17.32 | 18.89 | 19.37 | 20.47 | 23.62 | 26.77 | 29.92 |
| 31 | 3.108 | 38 | 3.810 | 1.226 | 7.16 | 8.73 | 10.31 | 12.20 | 13.46 | 14.25 | 15.03 | 16.61 | 18.18 | 18.66 | 19.76 | 22.91 | 26.06 | 29.21 |
| 22 | 2.206 | 27 | 2.707 | 1.227 | 8.74 | 10.31 | 11.89 | 13.78 | 15.04 | 15.82 | 16.61 | 18.18 | 19.76 | 20.23 | 21.33 | 24.49 | 27.64 | 30.79 |
| 26 | 2.607 | 32 | 3.208 | 1.231 | 8.03 | 9.60 | 11.18 | 13.07 | 14.33 | 15.11 | 15.90 | 17.48 | 19.05 | 19.53 | 20.63 | 23.78 | 26.93 | 30.08 |
| 39 | 3.910 | 48 | 4.812 | 1.231 | 5.73 | 7.31 | 8.89 | 10.78 | 12.04 | 12.83 | 13.61 | 15.19 | 16.76 | 17.24 | 18.34 | 21.49 | 24.64 | 27.79 |
| 30 | 3.008 | 37 | 3.709 | 1.233 | 7.32 | 8.89 | 10.47 | 12.36 | 13.62 | 14.41 | 15.19 | 16.77 | 18.34 | 18.82 | 19.92 | 23.07 | 26.22 | 29.37 |
| 34 | 3.409 | 42 | 4.211 | 1.235 | 6.60 | 8.18 | 9.76 | 11.65 | 12.91 | 13.69 | 14.48 | 16.06 | 17.63 | 18.11 | 19.21 | 22.36 | 25.51 | 28.66 |
| 25 | 2.506 | 31 | 3.108 | 1.240 | 8.19 | 9.76 | 11.34 | 13.23 | 14.49 | 15.27 | 16.06 | 17.63 | 19.21 | 19.68 | 20.78 | 23.93 | 27.08 | 30.23 |
| 29 | 2.907 | 36 | 3.609 | 1.241 | 7.47 | 9.05 | 10.63 | 12.52 | 13.78 | 14.56 | 15.35 | 16.92 | 18.50 | 18.97 | 20.07 | 23.22 | 26.38 | 29.53 |
| 33 | 3.308 | 41 | 4.110 | 1.242 | 6.76 | 8.34 | 9.92 | 11.81 | 13.07 | 13.85 | 14.64 | 16.21 | 17.79 | 18.26 | 19.36 | 22.52 | 25.67 | 28.82 |
| 45 | 4.511 | 56 | 5.614 | 1.244 | | 6.20 | 7.78 | 9.67 | 10.93 | 11.72 | 12.51 | 14.08 | 15.66 | 16.13 | 17.23 | 20.39 | 23.54 | 26.69 |
| 28 | 2.807 | 35 | 3.509 | 1.250 | 7.63 | 9.21 | 10.78 | 12.67 | 13.94 | 14.72 | 15.51 | 17.08 | 18.66 | 19.13 | 20.23 | 23.38 | 26.53 | 29.68 |
| 32 | 3.208 | 40 | 4.010 | 1.250 | 6.92 | 8.50 | 10.07 | 11.96 | 13.22 | 14.01 | 14.80 | 16.37 | 17.95 | 18.42 | 19.52 | 22.67 | 25.82 | 28.97 |
| 36 | 3.609 | 45 | 4.511 | 1.250 | 6.21 | 7.78 | 9.36 | 11.25 | 12.51 | 13.30 | 14.09 | 15.66 | 17.24 | 17.71 | 18.81 | 21.96 | 25.11 | 28.26 |
| 40 | 4.010 | 50 | 5.013 | 1.250 | 5.49 | 7.07 | 8.65 | 10.54 | 11.80 | 12.59 | 13.37 | 14.95 | 16.53 | 17.00 | 18.10 | 21.25 | 24.40 | 27.55 |
| 48 | 4.812 | 60 | 6.015 | 1.250 | | | 7.22 | 9.12 | 10.38 | 11.17 | 11.95 | 13.53 | 15.10 | 15.58 | 16.68 | 19.83 | 22.98 | 26.13 |
| 60 | 6.015 | 75 | 7.519 | 1.250 | | | | | 8.24 | 9.02 | 9.81 | 11.39 | 12.97 | 13.44 | 14.55 | 17.70 | 20.85 | 24.00 |
| 31 | 3.108 | 39 | 3.910 | 1.258 | 7.08 | 8.65 | 10.23 | 12.12 | 13.38 | 14.17 | 14.95 | 16.53 | 18.10 | 18.58 | 19.68 | 22.83 | 25.98 | 29.13 |
| 27 | 2.707 | 34 | 3.409 | 1.259 | 7.79 | 9.36 | 10.94 | 12.83 | 14.09 | 14.88 | 15.66 | 17.24 | 18.81 | 19.29 | 20.39 | 23.54 | 26.69 | 29.84 |
| 50 | 5.013 | 63 | 6.316 | 1.260 | | | 6.82 | 8.72 | 9.98 | 10.77 | 11.55 | 13.13 | 14.71 | 15.18 | 16.28 | 19.44 | 22.59 | 25.74 |
| 42 | 4.211 | 53 | 5.314 | 1.262 | | 6.67 | 8.25 | 10.14 | 11.41 | 12.19 | 12.98 | 14.55 | 16.13 | 16.60 | 17.71 | 20.86 | 24.01 | 27.16 |
| 38 | 3.810 | 48 | 4.812 | 1.263 | 5.81 | 7.39 | 8.96 | 10.86 | 12.12 | 12.90 | 13.69 | 15.27 | 16.84 | 17.32 | 18.42 | 21.57 | 24.72 | 27.87 |
| 53 | 5.314 | 67 | 6.717 | 1.264 | | | | 8.16 | 9.42 | 10.21 | 11.00 | 12.58 | 14.15 | 14.63 | 15.73 | 18.88 | 22.03 | 25.19 |
| 30 | 3.008 | 38 | 3.810 | 1.267 | 7.23 | 8.81 | 10.39 | 12.28 | 13.54 | 14.32 | 15.11 | 16.69 | 18.26 | 18.74 | 19.84 | 22.99 | 26.14 | 29.29 |
| 56 | 5.614 | 71 | 7.118 | 1.268 | | | | 7.60 | 8.87 | 9.66 | 10.44 | 12.02 | 13.60 | 14.08 | 15.18 | 18.33 | 21.48 | 24.63 |
| 71 | 7.118 | 90 | 9.023 | 1.268 | | | | | | | | 9.32 | 10.90 | 11.38 | 12.48 | 15.64 | 18.79 | 21.95 |
| 26 | 2.607 | 33 | 3.308 | 1.269 | 7.95 | 9.52 | 11.10 | 12.99 | 14.25 | 15.04 | 15.82 | 17.40 | 18.97 | 19.45 | 20.55 | 23.70 | 26.85 | 30.00 |
| 63 | 6.316 | 80 | 8.020 | 1.270 | | | | | | 8.38 | 9.17 | 10.75 | 12.33 | 12.81 | 13.91 | 17.06 | 20.22 | 23.37 |
| 22 | 2.206 | 28 | 2.807 | 1.273 | 8.66 | 10.23 | 11.81 | 13.70 | 14.96 | 15.74 | 16.53 | 18.11 | 19.68 | 20.16 | 21.26 | 24.41 | 27.56 | 30.71 |
| 33 | 3.308 | 42 | 4.211 | 1.273 | 6.68 | 8.26 | 9.83 | 11.73 | 12.99 | 13.77 | 14.56 | 16.13 | 17.71 | 18.18 | 19.28 | 22.44 | 25.59 | 28.74 |
| 29 | 2.907 | 37 | 3.709 | 1.276 | 7.39 | 8.97 | 10.55 | 12.44 | 13.70 | 14.48 | 15.27 | 16.84 | 18.42 | 18.89 | 19.99 | 23.15 | 26.30 | 29.45 |
| 25 | 2.506 | 32 | 3.208 | 1.280 | 8.10 | 9.68 | 11.26 | 13.15 | 14.41 | 15.19 | 15.98 | 17.55 | 19.13 | 19.60 | 20.70 | 23.85 | 27.00 | 30.16 |
| 32 | 3.208 | 41 | 4.110 | 1.281 | 6.84 | 8.42 | 9.99 | 11.88 | 13.14 | 13.93 | 14.72 | 16.29 | 17.87 | 18.34 | 19.44 | 22.59 | 25.74 | 28.89 |
| 39 | 3.910 | 50 | 5.013 | 1.282 | 5.56 | 7.15 | 8.72 | 10.62 | 11.88 | 12.66 | 13.45 | 15.03 | 16.60 | 17.08 | 18.18 | 21.33 | 24.48 | 27.63 |
| 28 | 2.807 | 36 | 3.609 | 1.286 | 7.55 | 9.13 | 10.70 | 12.59 | 13.86 | 14.64 | 15.43 | 17.00 | 18.58 | 19.05 | 20.15 | 23.30 | 26.45 | 29.60 |
| 35 | 3.509 | 45 | 4.511 | 1.286 | 6.28 | 7.86 | 9.44 | 11.33 | 12.59 | 13.38 | 14.16 | 15.74 | 17.31 | 17.79 | 18.89 | 22.04 | 25.19 | 28.34 |
| 31 | 3.108 | 40 | 4.010 | 1.290 | 6.99 | 8.57 | 10.15 | 12.04 | 13.30 | 14.09 | 14.87 | 16.45 | 18.02 | 18.50 | 19.60 | 22.75 | 25.90 | 29.05 |
| 41 | 4.110 | 53 | 5.314 | 1.293 | | 6.75 | 8.33 | 10.22 | 11.48 | 12.27 | 13.05 | 14.63 | 16.21 | 16.68 | 17.78 | 20.93 | 24.09 | 27.24 |
| 27 | 2.707 | 35 | 3.509 | 1.296 | 7.71 | 9.28 | 10.86 | 12.75 | 14.01 | 14.80 | 15.58 | 17.16 | 18.73 | 19.21 | 20.31 | 23.46 | 26.61 | 29.76 |
| 37 | 3.709 | 48 | 4.812 | 1.297 | 5.88 | 7.46 | 9.04 | 10.93 | 12.20 | 12.98 | 13.77 | 15.34 | 16.92 | 17.39 | 18.49 | 21.65 | 24.80 | 27.95 |
| 30 | 3.008 | 39 | 3.910 | 1.300 | 7.15 | 8.73 | 10.31 | 12.20 | 13.46 | 14.24 | 15.03 | 16.61 | 18.18 | 18.66 | 19.76 | 22.91 | 26.06 | 29.21 |
| 26 | 2.607 | 34 | 3.409 | 1.308 | 7.86 | 9.44 | 11.02 | 12.91 | 14.17 | 14.95 | 15.74 | 17.32 | 18.89 | 19.37 | 20.47 | 23.62 | 26.77 | 29.92 |
| 29 | 2.907 | 38 | 3.810 | 1.310 | 7.31 | 8.89 | 10.46 | 12.36 | 13.62 | 14.40 | 15.19 | 16.76 | 18.34 | 18.81 | 19.91 | 23.07 | 26.22 | 29.37 |
| 32 | 3.208 | 42 | 4.211 | 1.313 | 6.75 | 8.33 | 9.91 | 11.80 | 13.06 | 13.85 | 14.63 | 16.21 | 17.79 | 18.26 | 19.36 | 22.51 | 25.66 | 28.81 |
| 48 | 4.812 | 63 | 6.316 | 1.313 | | | 6.97 | 8.87 | 10.13 | 10.92 | 11.71 | 13.28 | 14.86 | 15.34 | 16.44 | 19.59 | 22.74 | 25.89 |
| 38 | 3.810 | 50 | 5.013 | 1.316 | 5.64 | 7.22 | 8.80 | 10.69 | 11.96 | 12.74 | 13.53 | 15.10 | 16.68 | 17.15 | 18.26 | 21.41 | 24.56 | 27.71 |
| 22 | 2.206 | 29 | 2.907 | 1.318 | 8.58 | 10.15 | 11.73 | 13.62 | 14.88 | 15.67 | 16.45 | 18.03 | 19.60 | 20.08 | 21.18 | 24.33 | 27.48 | 30.63 |
| 25 | 2.506 | 33 | 3.308 | 1.320 | 8.02 | 9.60 | 11.18 | 13.07 | 14.33 | 15.11 | 15.90 | 17.47 | 19.05 | 19.52 | 20.62 | 23.78 | 26.93 | 30.08 |
| 28 | 2.807 | 37 | 3.709 | 1.321 | 7.47 | 9.05 | 10.62 | 12.51 | 13.77 | 14.56 | 15.35 | 16.92 | 18.50 | 18.97 | 20.07 | 23.22 | 26.37 | 29.52 |
| 31 | 3.108 | 41 | 4.110 | 1.323 | 6.91 | 8.49 | 10.07 | 11.96 | 13.22 | 14.01 | 14.79 | 16.37 | 17.94 | 18.42 | 19.52 | 22.67 | 25.82 | 28.97 |
| 34 | 3.409 | 45 | 4.511 | 1.324 | 6.36 | 7.94 | 9.51 | 11.41 | 12.67 | 13.45 | 14.24 | 15.82 | 17.39 | 17.87 | 18.97 | 22.12 | 25.27 | 28.42 |
| 40 | 4.010 | 53 | 5.314 | 1.325 | 5.24 | 6.82 | 8.40 | 10.30 | 11.56 | 12.34 | 13.13 | 14.71 | 16.28 | 16.76 | 17.86 | 21.01 | 24.16 | 27.31 |
| 27 | 2.707 | 36 | 3.609 | 1.333 | 7.63 | 9.20 | 10.78 | 12.67 | 13.93 | 14.72 | 15.50 | 17.08 | 18.65 | 19.13 | 20.23 | 23.38 | 26.53 | 29.68 |
| 30 | 3.008 | 40 | 4.010 | 1.333 | 7.07 | 8.65 | 10.23 | 12.12 | 13.38 | 14.16 | 14.95 | 16.53 | 18.10 | 18.58 | 19.68 | 22.83 | 25.98 | 29.13 |
| 36 | 3.609 | 48 | 4.812 | 1.333 | 5.96 | 7.54 | 9.12 | 11.01 | 12.27 | 13.06 | 13.84 | 15.42 | 17.00 | 17.47 | 18.57 | 21.72 | 24.87 | 28.02 |
| 42 | 4.211 | 56 | 5.614 | 1.333 | | 6.42 | 8.00 | 9.90 | 11.16 | 11.95 | 12.73 | 14.31 | 15.89 | 16.36 | 17.46 | 20.62 | 23.77 | 26.92 |
| 45 | 4.511 | 60 | 6.015 | 1.333 | | 5.86 | 7.44 | 9.34 | 10.61 | 11.39 | 12.18 | 13.76 | 15.33 | 15.81 | 16.91 | 20.06 | 23.22 | 26.37 |
| 60 | 6.015 | 80 | 8.020 | 1.333 | | | | | 7.81 | 8.60 | 9.39 | 10.98 | 12.56 | 13.03 | 14.14 | 17.29 | 20.45 | 23.60 |
| 56 | 5.614 | 75 | 7.519 | 1.339 | | | | 7.26 | 8.53 | 9.32 | 10.11 | 11.69 | 13.27 | 13.75 | 14.85 | 18.01 | 21.16 | 24.31 |
| 50 | 5.013 | 67 | 6.717 | 1.340 | | | 6.48 | 8.38 | 9.65 | 10.44 | 11.22 | 12.80 | 14.38 | 14.86 | 15.96 | 19.11 | 22.27 | 25.42 |
| 53 | 5.314 | 71 | 7.118 | 1.340 | | | | 7.82 | 9.09 | 9.88 | 10.67 | 12.25 | 13.83 | 14.30 | 15.40 | 18.56 | 21.71 | 24.86 |
| 67 | 6.717 | 90 | 9.023 | 1.343 | | | | | | | | 9.61 | 11.20 | 11.68 | 12.78 | 15.94 | 19.10 | 22.25 |
| 29 | 2.907 | 39 | 3.910 | 1.345 | 7.23 | 8.81 | 10.38 | 12.28 | 13.54 | 14.32 | 15.11 | 16.68 | 18.26 | 18.73 | 19.83 | 22.99 | 26.14 | 29.29 |
| 26 | 2.607 | 35 | 3.509 | 1.346 | 7.78 | 9.36 | 10.94 | 12.83 | 14.09 | 14.87 | 15.66 | 17.24 | 18.81 | 19.29 | 20.39 | 23.54 | 26.69 | 29.84 |
| 37 | 3.709 | 50 | 5.013 | 1.351 | 5.71 | 7.30 | 8.88 | 10.77 | 12.03 | 12.82 | 13.60 | 15.18 | 16.76 | 17.23 | 18.33 | 21.48 | 24.64 | 27.79 |
| 31 | 3.108 | 42 | 4.211 | 1.355 | 6.83 | 8.41 | 9.99 | 11.88 | 13.14 | 13.93 | 14.71 | 16.29 | 17.86 | 18.34 | 19.44 | 22.59 | 25.74 | 28.89 |
| 28 | 2.807 | 38 | 3.810 | 1.357 | 7.39 | 8.96 | 10.54 | 12.43 | 13.69 | 14.48 | 15.26 | 16.84 | 18.42 | 18.89 | 19.99 | 23.14 | 26.29 | 29.44 |
| 39 | 3.910 | 53 | 5.314 | 1.359 | 5.31 | 6.89 | 8.48 | 10.37 | 11.63 | 12.42 | 13.21 | 14.78 | 16.36 | 16.84 | 17.94 | 21.09 | 24.24 | 27.39 |
| 25 | 2.506 | 34 | 3.409 | 1.360 | 7.94 | 9.52 | 11.10 | 12.99 | 14.25 | 15.03 | 15.82 | 17.39 | 18.97 | 19.44 | 20.54 | 23.70 | 26.85 | 30.00 |
| 22 | 2.206 | 30 | 3.008 | 1.364 | 8.50 | 10.07 | 11.65 | 13.54 | 14.80 | 15.58 | 16.37 | 17.95 | 19.52 | 20.00 | 21.10 | 24.25 | 27.40 | 30.55 |
| 33 | 3.308 | 45 | 4.511 | 1.364 | 6.43 | 8.01 | 9.59 | 11.48 | 12.74 | 13.53 | 14.32 | 15.89 | 17.47 | 17.94 | 19.04 | 22.20 | 25.35 | 28.50 |
| Length Factor* | | | | | 0.79 | 0.83 | 0.87 | 0.91 | 0.94 | 0.96 | 0.97 | 1.00 | 1.03 | 1.03 | 1.05 | 1.10 | 1.14 | 1.17 |

* This length factor must be used to determine the proper belt width.

## 8mm Pre-Engineered Drive Selection Table

| Center Distance (in) | | | | | | | | | | | | | | | | Speed Ratio | Sprocket Combinations | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8MPCC-1792 P.L. 70.55 224 Teeth | 8MPCC-2000 P.L. 78.74 250 Teeth | 8MPCC-2200 P.L. 86.61 275 Teeth | 8MPCC-2240 P.L. 88.19 280 Teeth | 8MPCC-2400 P.L. 94.49 300 Teeth | 8MPCC-2520 P.L. 99.21 315 Teeth | 8MPCC-2600 P.L. 102.36 325 Teeth | 8MPCC-2800 P.L. 110.24 350 Teeth | 8MPCC-2840 P.L. 111.81 355 Teeth | 8MPCC-3048 P.L. 120.00 381 Teeth | 8MPCC-3200 P.L. 125.98 400 Teeth | 8MPCC-3280 P.L. 129.13 410 Teeth | 8MPCC-3600 P.L. 141.73 450 Teeth | 8MPCC-4000 P.L. 157.48 500 Teeth | 8MPCC-4400 P.L. 173.23 550 Teeth | 8MPCC-4480 P.L. 176.38 560 Teeth | | DriveR Number of Grooves | DriveN Number of Grooves |
| 30.23 | 34.33 | 38.26 | 39.05 | 42.20 | 44.56 | 46.14 | 50.08 | 50.86 | 54.96 | 57.95 | 59.53 | 65.83 | 73.70 | 81.58 | 83.15 | 1.207 | 29 | 35 |
| 29.53 | 33.62 | 37.56 | 38.35 | 41.50 | 43.86 | 45.43 | 49.37 | 50.16 | 54.25 | 57.24 | 58.82 | 65.12 | 72.99 | 80.87 | 82.44 | 1.212 | 33 | 40 |
| 30.39 | 34.49 | 38.42 | 39.21 | 42.36 | 44.72 | 46.30 | 50.24 | 51.02 | 55.12 | 58.11 | 59.68 | 65.98 | 73.86 | 81.73 | 83.31 | 1.214 | 28 | 34 |
| 28.82 | 32.91 | 36.85 | 37.64 | 40.79 | 43.15 | 44.72 | 48.66 | 49.45 | 53.54 | 56.53 | 58.11 | 64.41 | 72.28 | 80.16 | 81.73 | 1.216 | 37 | 45 |
| 29.68 | 33.78 | 37.71 | 38.50 | 41.65 | 44.01 | 45.59 | 49.53 | 50.31 | 54.41 | 57.40 | 58.97 | 65.27 | 73.15 | 81.02 | 82.60 | 1.219 | 32 | 39 |
| 28.11 | 32.20 | 36.14 | 36.93 | 40.08 | 42.44 | 44.01 | 47.95 | 48.74 | 52.83 | 55.82 | 57.40 | 63.70 | 71.57 | 79.45 | 81.02 | 1.220 | 41 | 50 |
| 30.55 | 34.64 | 38.58 | 39.37 | 42.52 | 44.88 | 46.45 | 50.39 | 51.18 | 55.28 | 58.27 | 59.84 | 66.14 | 74.02 | 81.89 | 83.47 | 1.222 | 27 | 33 |
| 29.84 | 33.93 | 37.87 | 38.66 | 41.81 | 44.17 | 45.75 | 49.69 | 50.47 | 54.57 | 57.56 | 59.13 | 65.43 | 73.31 | 81.18 | 82.76 | 1.226 | 31 | 38 |
| 31.42 | 35.51 | 39.45 | 40.24 | 43.39 | 45.75 | 47.32 | 51.26 | 52.05 | 56.14 | 59.13 | 60.71 | 67.01 | 74.88 | 82.76 | 84.33 | 1.227 | 22 | 27 |
| 30.71 | 34.80 | 38.74 | 39.53 | 42.68 | 45.04 | 46.61 | 50.55 | 51.34 | 55.43 | 58.42 | 60.00 | 66.30 | 74.17 | 82.05 | 83.62 | 1.231 | 26 | 32 |
| 28.42 | 32.52 | 36.45 | 37.24 | 40.39 | 42.75 | 44.33 | 48.27 | 49.05 | 53.15 | 56.14 | 57.71 | 64.01 | 71.89 | 79.76 | 81.34 | 1.231 | 39 | 48 |
| 30.00 | 34.09 | 38.03 | 38.82 | 41.97 | 44.33 | 45.90 | 49.84 | 50.63 | 54.72 | 57.71 | 59.29 | 65.59 | 73.46 | 81.34 | 82.91 | 1.233 | 30 | 37 |
| 29.29 | 33.38 | 37.32 | 38.11 | 41.26 | 43.62 | 45.19 | 49.13 | 49.92 | 54.01 | 57.00 | 58.58 | 64.88 | 72.75 | 80.63 | 82.20 | 1.235 | 34 | 42 |
| 30.86 | 34.96 | 38.89 | 39.68 | 42.83 | 45.19 | 46.77 | 50.71 | 51.49 | 55.59 | 58.58 | 60.16 | 66.46 | 74.33 | 82.21 | 83.78 | 1.240 | 25 | 31 |
| 30.16 | 34.25 | 38.19 | 38.98 | 42.13 | 44.49 | 46.06 | 50.00 | 50.79 | 54.88 | 57.87 | 59.45 | 65.75 | 73.62 | 81.50 | 83.07 | 1.241 | 29 | 36 |
| 29.45 | 33.54 | 37.48 | 38.27 | 41.42 | 43.78 | 45.35 | 49.29 | 50.08 | 54.17 | 57.16 | 58.74 | 65.04 | 72.91 | 80.79 | 82.36 | 1.242 | 33 | 41 |
| 27.32 | 31.41 | 35.35 | 36.14 | 39.29 | 41.65 | 43.22 | 47.16 | 47.95 | 52.04 | 55.04 | 56.61 | 62.91 | 70.79 | 78.66 | 80.24 | 1.244 | 45 | 56 |
| 30.31 | 34.41 | 38.34 | 39.13 | 42.28 | 44.64 | 46.22 | 50.16 | 50.94 | 55.04 | 58.03 | 59.60 | 65.90 | 73.78 | 81.65 | 83.23 | 1.250 | 28 | 35 |
| 29.60 | 33.70 | 37.63 | 38.42 | 41.57 | 43.93 | 45.51 | 49.45 | 50.23 | 54.33 | 57.32 | 58.89 | 65.19 | 73.07 | 80.95 | 82.52 | 1.250 | 32 | 40 |
| 28.89 | 32.99 | 36.92 | 37.71 | 40.87 | 43.23 | 44.80 | 48.74 | 49.53 | 53.62 | 56.61 | 58.19 | 64.49 | 72.36 | 80.24 | 81.81 | 1.250 | 36 | 45 |
| 28.18 | 32.28 | 36.21 | 37.00 | 40.16 | 42.52 | 44.09 | 48.03 | 48.82 | 52.91 | 55.90 | 57.48 | 63.78 | 71.65 | 79.53 | 81.10 | 1.250 | 40 | 50 |
| 26.76 | 30.86 | 34.80 | 35.59 | 38.74 | 41.10 | 42.67 | 46.61 | 47.40 | 51.49 | 54.48 | 56.06 | 62.36 | 70.23 | 78.11 | 79.68 | 1.250 | 48 | 60 |
| 24.63 | 28.73 | 32.67 | 33.46 | 36.61 | 38.97 | 40.54 | 44.48 | 45.27 | 49.36 | 52.36 | 53.93 | 60.23 | 68.11 | 75.98 | 77.56 | 1.250 | 60 | 75 |
| 29.76 | 33.86 | 37.79 | 38.58 | 41.73 | 44.09 | 45.67 | 49.61 | 50.39 | 54.49 | 57.48 | 59.05 | 65.35 | 73.23 | 81.10 | 82.68 | 1.258 | 31 | 39 |
| 30.47 | 34.56 | 38.50 | 39.29 | 42.44 | 44.80 | 46.38 | 50.32 | 51.10 | 55.20 | 58.19 | 59.76 | 66.06 | 73.94 | 81.81 | 83.39 | 1.259 | 27 | 34 |
| 26.37 | 30.47 | 34.40 | 35.19 | 38.34 | 40.70 | 42.28 | 46.22 | 47.00 | 51.10 | 54.09 | 55.66 | 61.96 | 69.84 | 77.71 | 79.29 | 1.260 | 50 | 63 |
| 27.79 | 31.88 | 35.82 | 36.61 | 39.76 | 42.12 | 43.70 | 47.64 | 48.42 | 52.52 | 55.51 | 57.08 | 63.38 | 71.26 | 79.13 | 80.71 | 1.262 | 42 | 53 |
| 28.50 | 32.59 | 36.53 | 37.32 | 40.47 | 42.83 | 44.41 | 48.35 | 49.13 | 53.23 | 56.22 | 57.79 | 64.09 | 71.97 | 79.84 | 81.42 | 1.263 | 38 | 48 |
| 25.82 | 29.91 | 33.85 | 34.64 | 37.79 | 40.15 | 41.72 | 45.67 | 46.45 | 50.55 | 53.54 | 55.11 | 61.41 | 69.29 | 77.16 | 78.74 | 1.264 | 53 | 67 |
| 29.92 | 34.01 | 37.95 | 38.74 | 41.89 | 44.25 | 45.82 | 49.76 | 50.55 | 54.64 | 57.63 | 59.21 | 65.51 | 73.38 | 81.26 | 82.83 | 1.267 | 30 | 38 |
| 25.26 | 29.36 | 33.30 | 34.09 | 37.24 | 39.60 | 41.17 | 45.11 | 45.90 | 49.99 | 52.98 | 54.56 | 60.86 | 68.74 | 76.61 | 78.19 | 1.268 | 56 | 71 |
| 22.58 | 26.68 | 30.61 | 31.40 | 34.55 | 36.92 | 38.49 | 42.43 | 43.22 | 47.31 | 50.30 | 51.88 | 58.18 | 66.06 | 73.93 | 75.51 | 1.268 | 71 | 90 |
| 30.63 | 34.72 | 38.66 | 39.45 | 42.60 | 44.96 | 46.53 | 50.47 | 51.26 | 55.35 | 58.34 | 59.92 | 66.22 | 74.09 | 81.97 | 83.54 | 1.269 | 26 | 33 |
| 24.00 | 28.10 | 32.03 | 32.82 | 35.98 | 38.34 | 39.91 | 43.85 | 44.64 | 48.73 | 51.72 | 53.30 | 59.60 | 67.48 | 75.35 | 76.93 | 1.270 | 63 | 80 |
| 31.34 | 35.43 | 39.37 | 40.16 | 43.31 | 45.67 | 47.24 | 51.18 | 51.97 | 56.06 | 59.05 | 60.63 | 66.93 | 74.80 | 82.68 | 84.25 | 1.273 | 22 | 28 |
| 29.37 | 33.46 | 37.40 | 38.19 | 41.34 | 43.70 | 45.27 | 49.21 | 50.00 | 54.09 | 57.08 | 58.66 | 64.96 | 72.83 | 80.71 | 82.28 | 1.273 | 33 | 42 |
| 30.08 | 34.17 | 38.11 | 38.90 | 42.05 | 44.41 | 45.98 | 49.92 | 50.71 | 54.80 | 57.79 | 59.37 | 65.67 | 73.54 | 81.42 | 82.99 | 1.276 | 29 | 37 |
| 30.79 | 34.88 | 38.82 | 39.61 | 42.76 | 45.12 | 46.69 | 50.63 | 51.42 | 55.51 | 58.50 | 60.08 | 66.38 | 74.25 | 82.13 | 83.70 | 1.280 | 25 | 32 |
| 29.52 | 33.62 | 37.55 | 38.34 | 41.50 | 43.86 | 45.43 | 49.37 | 50.16 | 54.25 | 57.24 | 58.82 | 65.12 | 72.99 | 80.87 | 82.44 | 1.281 | 32 | 41 |
| 28.26 | 32.36 | 36.29 | 37.08 | 40.23 | 42.59 | 44.17 | 48.11 | 48.89 | 52.99 | 55.98 | 57.55 | 63.85 | 71.73 | 79.60 | 81.18 | 1.282 | 39 | 50 |
| 30.23 | 34.33 | 38.26 | 39.05 | 42.20 | 44.56 | 46.14 | 50.08 | 50.86 | 54.96 | 57.95 | 59.52 | 65.82 | 73.70 | 81.57 | 83.15 | 1.286 | 28 | 36 |
| 28.97 | 33.07 | 37.00 | 37.79 | 40.94 | 43.30 | 44.88 | 48.82 | 49.60 | 53.70 | 56.69 | 58.26 | 64.56 | 72.44 | 80.31 | 81.89 | 1.286 | 35 | 45 |
| 29.68 | 33.78 | 37.71 | 38.50 | 41.65 | 44.01 | 45.59 | 49.53 | 50.31 | 54.41 | 57.40 | 58.97 | 65.27 | 73.15 | 81.02 | 82.60 | 1.290 | 31 | 40 |
| 27.87 | 31.96 | 35.90 | 36.69 | 39.84 | 42.20 | 43.77 | 47.71 | 48.50 | 52.59 | 55.59 | 57.16 | 63.46 | 71.34 | 79.21 | 80.79 | 1.293 | 41 | 53 |
| 30.39 | 34.49 | 38.42 | 39.21 | 42.36 | 44.72 | 46.30 | 50.24 | 51.02 | 55.12 | 58.11 | 59.68 | 65.98 | 73.86 | 81.73 | 83.31 | 1.296 | 27 | 35 |
| 28.58 | 32.67 | 36.61 | 37.40 | 40.55 | 42.91 | 44.48 | 48.42 | 49.21 | 53.30 | 56.29 | 57.87 | 64.17 | 72.05 | 79.92 | 81.50 | 1.297 | 37 | 48 |
| 29.84 | 33.93 | 37.87 | 38.66 | 41.81 | 44.17 | 45.74 | 49.68 | 50.47 | 54.56 | 57.55 | 59.13 | 65.43 | 73.31 | 81.18 | 82.76 | 1.300 | 30 | 39 |
| 30.55 | 34.64 | 38.58 | 39.37 | 42.52 | 44.88 | 46.45 | 50.39 | 51.18 | 55.27 | 58.26 | 59.84 | 66.14 | 74.01 | 81.89 | 83.46 | 1.308 | 26 | 34 |
| 30.00 | 34.09 | 38.03 | 38.82 | 41.97 | 44.33 | 45.90 | 49.84 | 50.63 | 54.72 | 57.71 | 59.29 | 65.59 | 73.46 | 81.34 | 82.91 | 1.310 | 29 | 38 |
| 29.44 | 33.54 | 37.47 | 38.26 | 41.42 | 43.78 | 45.35 | 49.29 | 50.08 | 54.17 | 57.16 | 58.74 | 65.04 | 72.91 | 80.79 | 82.36 | 1.313 | 32 | 42 |
| 26.52 | 30.62 | 34.56 | 35.35 | 38.50 | 40.86 | 42.43 | 46.37 | 47.16 | 51.25 | 54.24 | 55.82 | 62.12 | 70.00 | 77.87 | 79.45 | 1.313 | 48 | 63 |
| 28.34 | 32.43 | 36.37 | 37.16 | 40.31 | 42.67 | 44.25 | 48.19 | 48.97 | 53.07 | 56.06 | 57.63 | 63.93 | 71.81 | 79.68 | 81.26 | 1.316 | 38 | 50 |
| 31.26 | 35.35 | 39.29 | 40.08 | 43.23 | 45.59 | 47.16 | 51.10 | 51.89 | 55.98 | 58.97 | 60.55 | 66.85 | 74.72 | 82.60 | 84.17 | 1.318 | 22 | 29 |
| 30.71 | 34.80 | 38.74 | 39.53 | 42.68 | 45.04 | 46.61 | 50.55 | 51.34 | 55.43 | 58.42 | 60.00 | 66.30 | 74.17 | 82.05 | 83.62 | 1.320 | 25 | 33 |
| 30.15 | 34.25 | 38.18 | 38.97 | 42.12 | 44.49 | 46.06 | 50.00 | 50.79 | 54.88 | 57.87 | 59.45 | 65.75 | 73.62 | 81.50 | 83.07 | 1.321 | 28 | 37 |
| 29.60 | 33.70 | 37.63 | 38.42 | 41.57 | 43.93 | 45.51 | 49.45 | 50.23 | 54.33 | 57.32 | 58.89 | 65.19 | 73.07 | 80.94 | 82.52 | 1.323 | 31 | 41 |
| 29.05 | 33.15 | 37.08 | 37.87 | 41.02 | 43.38 | 44.96 | 48.90 | 49.68 | 53.78 | 56.77 | 58.34 | 64.64 | 72.52 | 80.39 | 81.97 | 1.324 | 34 | 45 |
| 27.94 | 32.04 | 35.98 | 36.77 | 39.92 | 42.28 | 43.85 | 47.79 | 48.58 | 52.67 | 55.66 | 57.24 | 63.54 | 71.41 | 79.29 | 80.86 | 1.325 | 40 | 53 |
| 30.31 | 34.41 | 38.34 | 39.13 | 42.28 | 44.64 | 46.22 | 50.16 | 50.94 | 55.04 | 58.03 | 59.60 | 65.90 | 73.78 | 81.65 | 83.23 | 1.333 | 27 | 36 |
| 29.76 | 33.85 | 37.79 | 38.58 | 41.73 | 44.09 | 45.67 | 49.61 | 50.39 | 54.49 | 57.48 | 59.05 | 65.35 | 73.23 | 81.10 | 82.68 | 1.333 | 30 | 40 |
| 28.65 | 32.75 | 36.69 | 37.48 | 40.63 | 42.99 | 44.56 | 48.50 | 49.29 | 53.38 | 56.37 | 57.95 | 64.25 | 72.12 | 80.00 | 81.57 | 1.333 | 36 | 48 |
| 27.55 | 31.65 | 35.58 | 36.37 | 39.52 | 41.88 | 43.46 | 47.40 | 48.18 | 52.28 | 55.27 | 56.84 | 63.14 | 71.02 | 78.90 | 80.47 | 1.333 | 42 | 56 |
| 27.00 | 31.09 | 35.03 | 35.82 | 38.97 | 41.33 | 42.91 | 46.85 | 47.63 | 51.73 | 54.72 | 56.29 | 62.59 | 70.47 | 78.34 | 79.92 | 1.333 | 45 | 60 |
| 24.23 | 28.33 | 32.27 | 33.06 | 36.21 | 38.57 | 40.14 | 44.09 | 44.87 | 48.97 | 51.96 | 53.53 | 59.83 | 67.71 | 75.59 | 77.16 | 1.333 | 60 | 80 |
| 24.94 | 29.04 | 32.98 | 33.77 | 36.92 | 39.28 | 40.85 | 44.80 | 45.58 | 49.68 | 52.67 | 54.24 | 60.54 | 68.42 | 76.29 | 77.87 | 1.339 | 56 | 75 |
| 26.05 | 30.15 | 34.08 | 34.87 | 38.02 | 40.38 | 41.96 | 45.90 | 46.68 | 50.78 | 53.77 | 55.35 | 61.65 | 69.52 | 77.40 | 78.97 | 1.340 | 50 | 67 |
| 25.49 | 29.59 | 33.53 | 34.32 | 37.47 | 39.83 | 41.41 | 45.35 | 46.13 | 50.23 | 53.22 | 54.79 | 61.09 | 68.97 | 76.85 | 78.42 | 1.340 | 53 | 71 |
| 22.88 | 26.98 | 30.92 | 31.71 | 34.86 | 37.22 | 38.80 | 42.74 | 43.53 | 47.62 | 50.61 | 52.19 | 58.49 | 66.37 | 74.24 | 75.82 | 1.343 | 67 | 90 |
| 29.92 | 34.01 | 37.95 | 38.74 | 41.89 | 44.25 | 45.82 | 49.76 | 50.55 | 54.64 | 57.63 | 59.21 | 65.51 | 73.38 | 81.26 | 82.83 | 1.345 | 29 | 39 |
| 30.47 | 34.56 | 38.50 | 39.29 | 42.44 | 44.80 | 46.37 | 50.31 | 51.10 | 55.19 | 58.18 | 59.76 | 66.06 | 73.94 | 81.81 | 83.39 | 1.346 | 26 | 35 |
| 28.42 | 32.51 | 36.45 | 37.24 | 40.39 | 42.75 | 44.32 | 48.27 | 49.05 | 53.15 | 56.14 | 57.71 | 64.01 | 71.89 | 79.76 | 81.34 | 1.351 | 37 | 50 |
| 29.52 | 33.62 | 37.55 | 38.34 | 41.49 | 43.85 | 45.43 | 49.37 | 50.15 | 54.25 | 57.24 | 58.81 | 65.11 | 72.99 | 80.86 | 82.44 | 1.355 | 31 | 42 |
| 30.07 | 34.17 | 38.10 | 38.89 | 42.05 | 44.41 | 45.98 | 49.92 | 50.71 | 54.80 | 57.79 | 59.37 | 65.67 | 73.54 | 81.42 | 82.99 | 1.357 | 28 | 38 |
| 28.02 | 32.12 | 36.05 | 36.84 | 39.99 | 42.35 | 43.93 | 47.87 | 48.66 | 52.75 | 55.74 | 57.32 | 63.62 | 71.49 | 79.37 | 80.94 | 1.359 | 39 | 53 |
| 30.63 | 34.72 | 38.66 | 39.45 | 42.60 | 44.96 | 46.53 | 50.47 | 51.26 | 55.35 | 58.34 | 59.92 | 66.22 | 74.09 | 81.97 | 83.54 | 1.360 | 25 | 34 |
| 31.18 | 35.27 | 39.21 | 40.00 | 43.15 | 45.51 | 47.08 | 51.02 | 51.81 | 55.90 | 58.89 | 60.47 | 66.77 | 74.64 | 82.52 | 84.09 | 1.364 | 22 | 30 |
| 29.13 | 33.22 | 37.16 | 37.95 | 41.10 | 43.46 | 45.03 | 48.98 | 49.76 | 53.86 | 56.85 | 58.42 | 64.72 | 72.60 | 80.47 | 82.05 | 1.364 | 33 | 45 |
| 1.18 | 1.22 | 1.26 | 1.26 | 1.29 | 1.31 | 1.32 | 1.35 | 1.36 | 1.38 | 1.40 | 1.41 | 1.45 | 1.49 | 1.52 | 1.53 | Length Factor* | | |

* This length factor must be used to determine the proper belt width.

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

# QT Power Chain® II Carbon Drive Selection

## 8mm Pre-Engineered Drive Selection Table

| Sprocket Combinations | | | | | Center Distance (in) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DriveR | | DriveN | | | 8MPCC-640 P.L. 25.20 80 Teeth | 8MPCC-720 P.L. 28.35 90 Teeth | 8MPCC-800 P.L. 31.50 100 Teeth | 8MPCC-896 P.L. 35.28 112 Teeth | 8MPCC-960 P.L. 37.80 120 Teeth | 8MPCC-1000 P.L. 39.37 125 Teeth | 8MPCC-1040 P.L. 40.94 130 Teeth | 8MPCC-1120 P.L. 44.09 140 Teeth | 8MPCC-1200 P.L. 47.24 150 Teeth | 8MPCC-1224 P.L. 48.19 153 Teeth | 8MPCC-1280 P.L. 50.39 160 Teeth | 8MPCC-1440 P.L. 56.69 180 Teeth | 8MPCC-1600 P.L. 62.99 200 Teeth | 8MPCC-1760 P.L. 69.29 220 Teeth |
| Number of Grooves | Pitch Diameter (inches) | Number of Grooves | Pitch Diameter (inches) | Speed Ratio | | | | | | | | | | | | | | |
| 41 | 4.110 | 56 | 5.614 | 1.366 | | 6.49 | 8.08 | 9.97 | 11.24 | 12.02 | 12.81 | 14.39 | 15.97 | 16.44 | 17.54 | 20.69 | 23.85 | 27.00 |
| 30 | 3.008 | 41 | 4.110 | 1.367 | 6.99 | 8.57 | 10.14 | 12.04 | 13.30 | 14.08 | 14.87 | 16.45 | 18.02 | 18.50 | 19.60 | 22.75 | 25.90 | 29.05 |
| 27 | 2.707 | 37 | 3.709 | 1.370 | 7.54 | 9.12 | 10.70 | 12.59 | 13.85 | 14.64 | 15.42 | 17.00 | 18.57 | 19.05 | 20.15 | 23.30 | 26.45 | 29.60 |
| 35 | 3.509 | 48 | 4.812 | 1.371 | 6.03 | 7.61 | 9.19 | 11.09 | 12.35 | 13.13 | 13.92 | 15.50 | 17.07 | 17.55 | 18.65 | 21.80 | 24.95 | 28.10 |
| 29 | 2.907 | 40 | 4.010 | 1.379 | 7.15 | 8.72 | 10.30 | 12.19 | 13.46 | 14.24 | 15.03 | 16.60 | 18.18 | 18.65 | 19.75 | 22.91 | 26.06 | 29.21 |
| 26 | 2.607 | 36 | 3.609 | 1.385 | 7.70 | 9.28 | 10.86 | 12.75 | 14.01 | 14.79 | 15.58 | 17.16 | 18.73 | 19.21 | 20.31 | 23.46 | 26.61 | 29.76 |
| 36 | 3.609 | 50 | 5.013 | 1.389 | 5.79 | 7.37 | 8.95 | 10.85 | 12.11 | 12.89 | 13.68 | 15.26 | 16.83 | 17.31 | 18.41 | 21.56 | 24.71 | 27.86 |
| 28 | 2.807 | 39 | 3.910 | 1.393 | 7.30 | 8.88 | 10.46 | 12.35 | 13.61 | 14.40 | 15.18 | 16.76 | 18.34 | 18.81 | 19.91 | 23.06 | 26.21 | 29.36 |
| 38 | 3.810 | 53 | 5.314 | 1.395 | 5.38 | 6.97 | 8.55 | 10.45 | 11.71 | 12.50 | 13.28 | 14.86 | 16.44 | 16.91 | 18.01 | 21.17 | 24.32 | 27.47 |
| 48 | 4.812 | 67 | 6.717 | 1.396 | | | 6.63 | 8.53 | 9.80 | 10.59 | 11.38 | 12.96 | 14.53 | 15.01 | 16.11 | 19.27 | 22.42 | 25.57 |
| 25 | 2.506 | 35 | 3.509 | 1.400 | 7.86 | 9.44 | 11.01 | 12.91 | 14.17 | 14.95 | 15.74 | 17.31 | 18.89 | 19.36 | 20.46 | 23.62 | 26.77 | 29.92 |
| 30 | 3.008 | 42 | 4.211 | 1.400 | 6.90 | 8.48 | 10.06 | 11.96 | 13.22 | 14.00 | 14.79 | 16.36 | 17.94 | 18.42 | 19.52 | 22.67 | 25.82 | 28.97 |
| 40 | 4.010 | 56 | 5.614 | 1.400 | | 6.57 | 8.15 | 10.05 | 11.31 | 12.10 | 12.89 | 14.46 | 16.04 | 16.52 | 17.62 | 20.77 | 23.92 | 27.07 |
| 45 | 4.511 | 63 | 6.316 | 1.400 | | | 7.19 | 9.09 | 10.36 | 11.14 | 11.93 | 13.51 | 15.09 | 15.57 | 16.67 | 19.82 | 22.97 | 26.13 |
| 80 | 8.020 | 112 | 11.229 | 1.400 | | | | | | | | | | | 9.95 | 13.13 | 16.30 | 19.46 |
| 32 | 3.208 | 45 | 4.511 | 1.406 | 6.50 | 8.09 | 9.67 | 11.56 | 12.82 | 13.61 | 14.39 | 15.97 | 17.55 | 18.02 | 19.12 | 22.27 | 25.42 | 28.58 |
| 27 | 2.707 | 38 | 3.810 | 1.407 | 7.46 | 9.04 | 10.62 | 12.51 | 13.77 | 14.56 | 15.34 | 16.92 | 18.49 | 18.97 | 20.07 | 23.22 | 26.37 | 29.52 |
| 22 | 2.206 | 31 | 3.108 | 1.409 | 8.41 | 9.99 | 11.57 | 13.46 | 14.72 | 15.50 | 16.29 | 17.87 | 19.44 | 19.92 | 21.02 | 24.17 | 27.32 | 30.47 |
| 34 | 3.409 | 48 | 4.812 | 1.412 | 6.10 | 7.69 | 9.27 | 11.16 | 12.42 | 13.21 | 14.00 | 15.57 | 17.15 | 17.62 | 18.73 | 21.88 | 25.03 | 28.18 |
| 29 | 2.907 | 41 | 4.110 | 1.414 | 7.06 | 8.64 | 10.22 | 12.11 | 13.38 | 14.16 | 14.95 | 16.52 | 18.10 | 18.57 | 19.67 | 22.83 | 25.98 | 29.13 |
| 53 | 5.314 | 75 | 7.519 | 1.415 | | | | 7.48 | 8.75 | 9.54 | 10.33 | 11.91 | 13.50 | 13.97 | 15.08 | 18.23 | 21.39 | 24.54 |
| 50 | 5.013 | 71 | 7.118 | 1.420 | | | | 8.04 | 9.31 | 10.10 | 10.89 | 12.47 | 14.05 | 14.53 | 15.63 | 18.79 | 21.94 | 25.10 |
| 26 | 2.607 | 37 | 3.709 | 1.423 | 7.62 | 9.20 | 10.78 | 12.67 | 13.93 | 14.71 | 15.50 | 17.08 | 18.65 | 19.13 | 20.23 | 23.38 | 26.53 | 29.68 |
| 28 | 2.807 | 40 | 4.010 | 1.429 | 7.22 | 8.80 | 10.38 | 12.27 | 13.53 | 14.32 | 15.10 | 16.68 | 18.26 | 18.73 | 19.83 | 22.98 | 26.13 | 29.28 |
| 35 | 3.509 | 50 | 5.013 | 1.429 | 5.86 | 7.44 | 9.03 | 10.92 | 12.18 | 12.97 | 13.76 | 15.33 | 16.91 | 17.39 | 18.49 | 21.64 | 24.79 | 27.94 |
| 42 | 4.211 | 60 | 6.015 | 1.429 | | 6.08 | 7.67 | 9.57 | 10.83 | 11.62 | 12.41 | 13.98 | 15.56 | 16.04 | 17.14 | 20.29 | 23.45 | 26.60 |
| 56 | 5.614 | 80 | 8.020 | 1.429 | | | | | 8.10 | 8.90 | 9.69 | 11.27 | 12.86 | 13.33 | 14.44 | 17.60 | 20.75 | 23.91 |
| 63 | 6.316 | 90 | 9.023 | 1.429 | | | | | | | 8.31 | 9.91 | 11.49 | 11.97 | 13.08 | 16.24 | 19.40 | 22.56 |
| 37 | 3.709 | 53 | 5.314 | 1.432 | 5.45 | 7.04 | 8.63 | 10.52 | 11.79 | 12.57 | 13.36 | 14.94 | 16.51 | 16.99 | 18.09 | 21.24 | 24.40 | 27.55 |
| 39 | 3.910 | 56 | 5.614 | 1.436 | | 6.64 | 8.23 | 10.12 | 11.39 | 12.18 | 12.96 | 14.54 | 16.12 | 16.59 | 17.69 | 20.85 | 24.00 | 27.15 |
| 25 | 2.506 | 36 | 3.609 | 1.440 | 7.78 | 9.36 | 10.93 | 12.83 | 14.09 | 14.87 | 15.66 | 17.23 | 18.81 | 19.28 | 20.38 | 23.54 | 26.69 | 29.84 |
| 27 | 2.707 | 39 | 3.910 | 1.444 | 7.38 | 8.96 | 10.54 | 12.43 | 13.69 | 14.48 | 15.26 | 16.84 | 18.41 | 18.89 | 19.99 | 23.14 | 26.29 | 29.44 |
| 29 | 2.907 | 42 | 4.211 | 1.448 | 6.98 | 8.56 | 10.14 | 12.03 | 13.29 | 14.08 | 14.87 | 16.44 | 18.02 | 18.49 | 19.59 | 22.75 | 25.90 | 29.05 |
| 31 | 3.108 | 45 | 4.511 | 1.452 | 6.58 | 8.16 | 9.74 | 11.63 | 12.90 | 13.68 | 14.47 | 16.05 | 17.62 | 18.10 | 19.20 | 22.35 | 25.50 | 28.65 |
| 22 | 2.206 | 32 | 3.208 | 1.455 | 8.33 | 9.91 | 11.49 | 13.38 | 14.64 | 15.42 | 16.21 | 17.79 | 19.36 | 19.84 | 20.94 | 24.09 | 27.24 | 30.39 |
| 33 | 3.308 | 48 | 4.812 | 1.455 | 6.18 | 7.76 | 9.34 | 11.24 | 12.50 | 13.29 | 14.07 | 15.65 | 17.23 | 17.70 | 18.80 | 21.95 | 25.11 | 28.26 |
| 26 | 2.607 | 38 | 3.810 | 1.462 | 7.54 | 9.12 | 10.69 | 12.59 | 13.85 | 14.63 | 15.42 | 16.99 | 18.57 | 19.05 | 20.15 | 23.30 | 26.45 | 29.60 |
| 41 | 4.110 | 60 | 6.015 | 1.463 | | 6.15 | 7.74 | 9.64 | 10.91 | 11.69 | 12.48 | 14.06 | 15.64 | 16.11 | 17.22 | 20.37 | 23.52 | 26.68 |
| 28 | 2.807 | 41 | 4.110 | 1.464 | 7.14 | 8.72 | 10.30 | 12.19 | 13.45 | 14.24 | 15.02 | 16.60 | 18.18 | 18.65 | 19.75 | 22.90 | 26.05 | 29.21 |
| 34 | 3.409 | 50 | 5.013 | 1.471 | 5.93 | 7.52 | 9.10 | 11.00 | 12.26 | 13.05 | 13.83 | 15.41 | 16.99 | 17.46 | 18.56 | 21.72 | 24.87 | 28.02 |
| 36 | 3.609 | 53 | 5.314 | 1.472 | 5.53 | 7.12 | 8.70 | 10.60 | 11.86 | 12.65 | 13.43 | 15.01 | 16.59 | 17.07 | 18.17 | 21.32 | 24.47 | 27.62 |
| 38 | 3.810 | 56 | 5.614 | 1.474 | | 6.71 | 8.30 | 10.20 | 11.46 | 12.25 | 13.04 | 14.62 | 16.19 | 16.67 | 17.77 | 20.92 | 24.08 | 27.23 |
| 48 | 4.812 | 71 | 7.118 | 1.479 | | | | 8.19 | 9.46 | 10.25 | 11.04 | 12.62 | 14.20 | 14.68 | 15.78 | 18.94 | 22.10 | 25.25 |
| 25 | 2.506 | 37 | 3.709 | 1.480 | 7.70 | 9.27 | 10.85 | 12.74 | 14.01 | 14.79 | 15.58 | 17.15 | 18.73 | 19.20 | 20.30 | 23.46 | 26.61 | 29.76 |
| 27 | 2.707 | 40 | 4.010 | 1.481 | 7.30 | 8.88 | 10.45 | 12.35 | 13.61 | 14.39 | 15.18 | 16.76 | 18.33 | 18.81 | 19.91 | 23.06 | 26.21 | 29.36 |
| 45 | 4.511 | 67 | 6.717 | 1.489 | | | 6.84 | 8.75 | 10.02 | 10.81 | 11.60 | 13.18 | 14.76 | 15.24 | 16.34 | 19.50 | 22.65 | 25.80 |
| 75 | 7.519 | 112 | 11.229 | 1.493 | | | | | | | | | | | 10.30 | 13.49 | 16.67 | 19.83 |
| 22 | 2.206 | 33 | 3.308 | 1.500 | 8.25 | 9.83 | 11.41 | 13.30 | 14.56 | 15.34 | 16.13 | 17.71 | 19.28 | 19.76 | 20.86 | 24.01 | 27.16 | 30.31 |
| 26 | 2.607 | 39 | 3.910 | 1.500 | 7.45 | 9.03 | 10.61 | 12.50 | 13.77 | 14.55 | 15.34 | 16.91 | 18.49 | 18.97 | 20.07 | 23.22 | 26.37 | 29.52 |
| 28 | 2.807 | 42 | 4.211 | 1.500 | 7.05 | 8.63 | 10.21 | 12.11 | 13.37 | 14.16 | 14.94 | 16.52 | 18.09 | 18.57 | 19.67 | 22.82 | 25.97 | 29.12 |
| 30 | 3.008 | 45 | 4.511 | 1.500 | 6.65 | 8.24 | 9.82 | 11.71 | 12.97 | 13.76 | 14.55 | 16.12 | 17.70 | 18.17 | 19.27 | 22.43 | 25.58 | 28.73 |
| 32 | 3.208 | 48 | 4.812 | 1.500 | 6.25 | 7.84 | 9.42 | 11.31 | 12.58 | 13.36 | 14.15 | 15.73 | 17.30 | 17.78 | 18.88 | 22.03 | 25.18 | 28.33 |
| 40 | 4.010 | 60 | 6.015 | 1.500 | | 6.22 | 7.81 | 9.71 | 10.98 | 11.77 | 12.56 | 14.14 | 15.71 | 16.19 | 17.29 | 20.45 | 23.60 | 26.75 |
| 42 | 4.211 | 63 | 6.316 | 1.500 | | 5.81 | 7.41 | 9.31 | 10.58 | 11.37 | 12.16 | 13.74 | 15.32 | 15.79 | 16.89 | 20.05 | 23.20 | 26.36 |
| 50 | 5.013 | 75 | 7.519 | 1.500 | | | | 7.70 | 8.97 | 9.76 | 10.55 | 12.14 | 13.72 | 14.20 | 15.30 | 18.46 | 21.62 | 24.77 |
| 60 | 6.015 | 90 | 9.023 | 1.500 | | | | | | | 8.53 | 10.12 | 11.71 | 12.19 | 13.30 | 16.47 | 19.63 | 22.78 |
| 53 | 5.314 | 80 | 8.020 | 1.509 | | | | | 8.32 | 9.11 | 9.90 | 11.49 | 13.08 | 13.55 | 14.66 | 17.82 | 20.98 | 24.13 |
| 35 | 3.509 | 53 | 5.314 | 1.514 | 5.60 | 7.19 | 8.77 | 10.67 | 11.94 | 12.72 | 13.51 | 15.09 | 16.67 | 17.14 | 18.24 | 21.40 | 24.55 | 27.70 |
| 37 | 3.709 | 56 | 5.614 | 1.514 | 5.19 | 6.79 | 8.37 | 10.27 | 11.54 | 12.33 | 13.11 | 14.69 | 16.27 | 16.75 | 17.85 | 21.00 | 24.15 | 27.31 |
| 33 | 3.308 | 50 | 5.013 | 1.515 | 6.00 | 7.59 | 9.18 | 11.07 | 12.34 | 13.12 | 13.91 | 15.49 | 17.06 | 17.54 | 18.64 | 21.79 | 24.95 | 28.10 |
| 27 | 2.707 | 41 | 4.110 | 1.519 | 7.21 | 8.79 | 10.37 | 12.27 | 13.53 | 14.31 | 15.10 | 16.68 | 18.25 | 18.73 | 19.83 | 22.98 | 26.13 | 29.28 |
| 25 | 2.506 | 38 | 3.810 | 1.520 | 7.61 | 9.19 | 10.77 | 12.66 | 13.92 | 14.71 | 15.50 | 17.07 | 18.65 | 19.12 | 20.22 | 23.38 | 26.53 | 29.68 |
| 41 | 4.110 | 63 | 6.316 | 1.537 | | 5.88 | 7.48 | 9.39 | 10.65 | 11.44 | 12.23 | 13.81 | 15.39 | 15.87 | 16.97 | 20.13 | 23.28 | 26.43 |
| 26 | 2.607 | 40 | 4.010 | 1.538 | 7.37 | 8.95 | 10.53 | 12.42 | 13.69 | 14.47 | 15.26 | 16.83 | 18.41 | 18.88 | 19.99 | 23.14 | 26.29 | 29.44 |
| 39 | 3.910 | 60 | 6.015 | 1.538 | | 6.29 | 7.88 | 9.79 | 11.05 | 11.84 | 12.63 | 14.21 | 15.79 | 16.27 | 17.37 | 20.52 | 23.68 | 26.83 |
| 22 | 2.206 | 34 | 3.409 | 1.545 | 8.17 | 9.75 | 11.32 | 13.22 | 14.48 | 15.26 | 16.05 | 17.62 | 19.20 | 19.68 | 20.78 | 23.93 | 27.08 | 30.23 |
| 31 | 3.108 | 48 | 4.812 | 1.548 | 6.32 | 7.91 | 9.49 | 11.39 | 12.65 | 13.44 | 14.22 | 15.80 | 17.38 | 17.85 | 18.96 | 22.11 | 25.26 | 28.41 |
| 29 | 2.907 | 45 | 4.511 | 1.552 | 6.73 | 8.31 | 9.89 | 11.79 | 13.05 | 13.84 | 14.62 | 16.20 | 17.78 | 18.25 | 19.35 | 22.50 | 25.66 | 28.81 |
| 27 | 2.707 | 42 | 4.211 | 1.556 | 7.13 | 8.71 | 10.29 | 12.18 | 13.45 | 14.23 | 15.02 | 16.59 | 18.17 | 18.65 | 19.75 | 22.90 | 26.05 | 29.20 |
| 36 | 3.609 | 56 | 5.614 | 1.556 | 5.26 | 6.86 | 8.45 | 10.35 | 11.61 | 12.40 | 13.19 | 14.77 | 16.35 | 16.82 | 17.92 | 21.08 | 24.23 | 27.38 |
| 34 | 3.409 | 53 | 5.314 | 1.559 | 5.67 | 7.26 | 8.85 | 10.75 | 12.01 | 12.80 | 13.59 | 15.16 | 16.74 | 17.22 | 18.32 | 21.47 | 24.63 | 27.78 |
| 25 | 2.506 | 39 | 3.910 | 1.560 | 7.53 | 9.11 | 10.69 | 12.58 | 13.84 | 14.63 | 15.41 | 16.99 | 18.57 | 19.04 | 20.14 | 23.30 | 26.45 | 29.60 |
| 32 | 3.208 | 50 | 5.013 | 1.563 | 6.08 | 7.67 | 9.25 | 11.15 | 12.41 | 13.20 | 13.98 | 15.56 | 17.14 | 17.62 | 18.72 | 21.87 | 25.02 | 28.17 |
| 48 | 4.812 | 75 | 7.519 | 1.563 | | | | 7.84 | 9.11 | 9.91 | 10.70 | 12.29 | 13.87 | 14.35 | 15.45 | 18.61 | 21.77 | 24.92 |
| 40 | 4.010 | 63 | 6.316 | 1.575 | | 5.95 | 7.55 | 9.46 | 10.73 | 11.52 | 12.31 | 13.89 | 15.47 | 15.94 | 17.05 | 20.20 | 23.36 | 26.51 |
| 26 | 2.607 | 41 | 4.110 | 1.577 | 7.29 | 8.87 | 10.45 | 12.34 | 13.60 | 14.39 | 15.18 | 16.75 | 18.33 | 18.80 | 19.91 | 23.06 | 26.21 | 29.36 |
| 71 | 7.118 | 112 | 11.229 | 1.577 | | | | | | | | | | 9.46 | 10.59 | 13.78 | 16.96 | 20.13 |
| Length Factor* | | | | | 0.79 | 0.83 | 0.87 | 0.91 | 0.94 | 0.96 | 0.97 | 1.00 | 1.03 | 1.03 | 1.05 | 1.10 | 1.14 | 1.17 |

* This length factor must be used to determine the proper belt width.

## 8mm Pre-Engineered Drive Selection Table

| Center Distance (in) | | | | | | | | | | | | | | | | | Speed Ratio | Sprocket Combinations | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8MPCC-1792 P.L. 70.55 224 Teeth | 8MPCC-2000 P.L. 78.74 250 Teeth | 8MPCC-2200 P.L. 86.61 275 Teeth | 8MPCC-2240 P.L. 88.19 280 Teeth | 8MPCC-2400 P.L. 94.49 300 Teeth | 8MPCC-2520 P.L. 99.21 315 Teeth | 8MPCC-2600 P.L. 102.36 325 Teeth | 8MPCC-2800 P.L. 110.24 350 Teeth | 8MPCC-2840 P.L. 111.81 355 Teeth | 8MPCC-3048 P.L. 120.00 381 Teeth | 8MPCC-3200 P.L. 125.98 400 Teeth | 8MPCC-3280 P.L. 129.13 410 Teeth | 8MPCC-3600 P.L. 141.73 450 Teeth | 8MPCC-4000 P.L. 157.48 500 Teeth | 8MPCC-4400 P.L. 173.23 550 Teeth | 8MPCC-4480 P.L. 176.38 560 Teeth | | DriveR | DriveN |
| | | | | | | | | | | | | | | | | | Number of Grooves | Number of Grooves |
| 27.63 | 31.72 | 35.66 | 36.45 | 39.60 | 41.96 | 43.54 | 47.48 | 48.26 | 52.20 | 55.35 | 56.92 | 63.22 | 71.10 | 78.97 | 80.55 | 1.366 | 41 | 56 |
| 29.68 | 33.78 | 37.71 | 38.50 | 41.65 | 44.01 | 45.59 | 49.53 | 50.31 | 54.25 | 57.40 | 58.97 | 65.27 | 73.15 | 81.02 | 82.60 | 1.367 | 30 | 41 |
| 30.23 | 34.33 | 38.26 | 39.05 | 42.20 | 44.56 | 46.14 | 50.08 | 50.86 | 54.80 | 57.95 | 59.52 | 65.82 | 73.70 | 81.57 | 83.15 | 1.370 | 27 | 37 |
| 28.73 | 32.83 | 36.76 | 37.55 | 40.70 | 43.06 | 44.64 | 48.58 | 49.37 | 53.30 | 56.45 | 58.03 | 64.33 | 72.20 | 80.08 | 81.65 | 1.371 | 35 | 48 |
| 29.84 | 33.93 | 37.87 | 38.66 | 41.81 | 44.17 | 45.74 | 49.68 | 50.47 | 54.40 | 57.55 | 59.13 | 65.43 | 73.31 | 81.18 | 82.76 | 1.379 | 29 | 40 |
| 30.39 | 34.48 | 38.42 | 39.21 | 42.36 | 44.72 | 46.30 | 50.24 | 51.02 | 54.96 | 58.11 | 59.68 | 65.98 | 73.86 | 81.73 | 83.31 | 1.385 | 26 | 36 |
| 28.49 | 32.59 | 36.53 | 37.32 | 40.47 | 42.83 | 44.40 | 48.34 | 49.13 | 53.06 | 56.21 | 57.79 | 64.09 | 71.96 | 79.84 | 81.42 | 1.389 | 36 | 50 |
| 29.99 | 34.09 | 38.03 | 38.82 | 41.97 | 44.33 | 45.90 | 49.84 | 50.63 | 54.56 | 57.71 | 59.29 | 65.59 | 73.46 | 81.34 | 82.91 | 1.393 | 28 | 39 |
| 28.10 | 32.20 | 36.13 | 36.92 | 40.07 | 42.43 | 44.01 | 47.95 | 48.73 | 52.67 | 55.82 | 57.39 | 63.69 | 71.57 | 79.45 | 81.02 | 1.395 | 38 | 53 |
| 26.20 | 30.30 | 34.24 | 35.03 | 38.18 | 40.54 | 42.11 | 46.06 | 46.84 | 50.78 | 53.93 | 55.50 | 61.80 | 69.68 | 77.55 | 79.13 | 1.396 | 48 | 67 |
| 30.55 | 34.64 | 38.58 | 39.37 | 42.52 | 44.88 | 46.45 | 50.39 | 51.18 | 55.11 | 58.26 | 59.84 | 66.14 | 74.01 | 81.89 | 83.46 | 1.400 | 25 | 35 |
| 29.60 | 33.69 | 37.63 | 38.42 | 41.57 | 43.93 | 45.51 | 49.45 | 50.23 | 54.17 | 57.32 | 58.89 | 65.19 | 73.07 | 80.94 | 82.52 | 1.400 | 30 | 42 |
| 27.70 | 31.80 | 35.74 | 36.53 | 39.68 | 42.04 | 43.61 | 47.55 | 48.34 | 52.28 | 55.43 | 57.00 | 63.30 | 71.18 | 79.05 | 80.63 | 1.400 | 40 | 56 |
| 26.76 | 30.85 | 34.79 | 35.58 | 38.73 | 41.09 | 42.67 | 46.61 | 47.39 | 51.33 | 54.48 | 56.05 | 62.35 | 70.23 | 78.11 | 79.68 | 1.400 | 45 | 63 |
| 20.09 | 24.20 | 28.14 | 28.93 | 32.09 | 34.45 | 36.03 | 39.97 | 40.76 | 44.69 | 47.84 | 49.42 | 55.72 | 63.60 | 71.48 | 73.05 | 1.400 | 80 | 112 |
| 29.21 | 33.30 | 37.24 | 38.03 | 41.18 | 43.54 | 45.11 | 49.05 | 49.84 | 53.77 | 56.92 | 58.50 | 64.80 | 72.67 | 80.55 | 82.12 | 1.406 | 32 | 45 |
| 30.15 | 34.25 | 38.18 | 38.97 | 42.12 | 44.48 | 46.06 | 50.00 | 50.78 | 54.72 | 57.87 | 59.44 | 65.74 | 73.62 | 81.49 | 83.07 | 1.407 | 27 | 38 |
| 31.10 | 35.19 | 39.13 | 39.92 | 43.07 | 45.43 | 47.00 | 50.94 | 51.73 | 55.66 | 58.81 | 60.39 | 66.69 | 74.57 | 82.44 | 84.02 | 1.409 | 22 | 31 |
| 28.81 | 32.91 | 36.84 | 37.63 | 40.78 | 43.14 | 44.72 | 48.66 | 49.44 | 53.38 | 56.53 | 58.10 | 64.40 | 72.28 | 80.16 | 81.73 | 1.412 | 34 | 48 |
| 29.76 | 33.85 | 37.79 | 38.58 | 41.73 | 44.09 | 45.66 | 49.61 | 50.39 | 54.33 | 57.48 | 59.05 | 65.35 | 73.23 | 81.10 | 82.68 | 1.414 | 29 | 41 |
| 25.17 | 29.27 | 33.21 | 34.00 | 37.15 | 39.51 | 41.09 | 45.03 | 45.81 | 49.75 | 52.90 | 54.47 | 60.78 | 68.65 | 76.53 | 78.10 | 1.415 | 53 | 75 |
| 25.73 | 29.82 | 33.76 | 34.55 | 37.70 | 40.06 | 41.64 | 45.58 | 46.37 | 50.30 | 53.45 | 55.03 | 61.33 | 69.20 | 77.08 | 78.66 | 1.420 | 50 | 71 |
| 30.31 | 34.41 | 38.34 | 39.13 | 42.28 | 44.64 | 46.22 | 50.16 | 50.94 | 54.88 | 58.03 | 59.60 | 65.90 | 73.78 | 81.65 | 83.23 | 1.423 | 26 | 37 |
| 29.91 | 34.01 | 37.95 | 38.74 | 41.89 | 44.25 | 45.82 | 49.76 | 50.55 | 54.48 | 57.63 | 59.21 | 65.51 | 73.38 | 81.26 | 82.83 | 1.429 | 28 | 40 |
| 28.57 | 32.67 | 36.60 | 37.39 | 40.54 | 42.91 | 44.48 | 48.42 | 49.21 | 53.14 | 56.29 | 57.87 | 64.17 | 72.04 | 79.92 | 81.49 | 1.429 | 35 | 50 |
| 27.23 | 31.33 | 35.26 | 36.05 | 39.20 | 41.56 | 43.14 | 47.08 | 47.87 | 51.80 | 54.95 | 56.53 | 62.83 | 70.70 | 78.58 | 80.15 | 1.429 | 42 | 60 |
| 24.54 | 28.64 | 32.57 | 33.37 | 36.52 | 38.88 | 40.45 | 44.40 | 45.18 | 49.12 | 52.27 | 53.84 | 60.14 | 68.02 | 75.90 | 77.47 | 1.429 | 56 | 80 |
| 23.19 | 27.29 | 31.23 | 32.02 | 35.17 | 37.53 | 39.11 | 43.05 | 43.84 | 47.77 | 50.92 | 52.50 | 58.80 | 66.68 | 74.56 | 76.13 | 1.429 | 63 | 90 |
| 28.18 | 32.27 | 36.21 | 37.00 | 40.15 | 42.51 | 44.09 | 48.03 | 48.81 | 52.75 | 55.90 | 57.47 | 63.77 | 71.65 | 79.52 | 81.10 | 1.432 | 37 | 53 |
| 27.78 | 31.88 | 35.81 | 36.60 | 39.76 | 42.12 | 43.69 | 47.63 | 48.42 | 52.35 | 55.50 | 57.08 | 63.38 | 71.25 | 79.13 | 80.71 | 1.436 | 39 | 56 |
| 30.47 | 34.56 | 38.50 | 39.29 | 42.44 | 44.80 | 46.37 | 50.31 | 51.10 | 55.03 | 58.18 | 59.76 | 66.06 | 73.94 | 81.81 | 83.39 | 1.440 | 25 | 36 |
| 30.07 | 34.17 | 38.10 | 38.89 | 42.04 | 44.40 | 45.98 | 49.92 | 50.70 | 54.64 | 57.79 | 59.36 | 65.67 | 73.54 | 81.42 | 82.99 | 1.444 | 27 | 39 |
| 29.68 | 33.77 | 37.71 | 38.50 | 41.65 | 44.01 | 45.58 | 49.53 | 50.31 | 54.25 | 57.40 | 58.97 | 65.27 | 73.15 | 81.02 | 82.60 | 1.448 | 29 | 42 |
| 29.28 | 33.38 | 37.31 | 38.10 | 41.26 | 43.62 | 45.19 | 49.13 | 49.92 | 53.85 | 57.00 | 58.58 | 64.88 | 72.75 | 80.63 | 82.20 | 1.452 | 31 | 45 |
| 31.02 | 35.11 | 39.05 | 39.84 | 42.99 | 45.35 | 46.93 | 50.87 | 51.65 | 55.59 | 58.74 | 60.31 | 66.61 | 74.49 | 82.36 | 83.94 | 1.455 | 22 | 32 |
| 28.89 | 32.98 | 36.92 | 37.71 | 40.86 | 43.22 | 44.80 | 48.74 | 49.52 | 53.46 | 56.61 | 58.18 | 64.48 | 72.36 | 80.23 | 81.81 | 1.455 | 33 | 48 |
| 30.23 | 34.32 | 38.26 | 39.05 | 42.20 | 44.56 | 46.14 | 50.08 | 50.86 | 54.80 | 57.95 | 59.52 | 65.82 | 73.70 | 81.57 | 83.15 | 1.462 | 26 | 38 |
| 27.31 | 31.40 | 35.34 | 36.13 | 39.28 | 41.64 | 43.22 | 47.16 | 47.94 | 51.88 | 55.03 | 56.60 | 62.91 | 70.78 | 78.66 | 80.23 | 1.463 | 41 | 60 |
| 29.84 | 33.93 | 37.87 | 38.66 | 41.81 | 44.17 | 45.74 | 49.68 | 50.47 | 54.40 | 57.55 | 59.13 | 65.43 | 73.30 | 81.18 | 82.75 | 1.464 | 28 | 41 |
| 28.65 | 32.75 | 36.68 | 37.47 | 40.62 | 42.98 | 44.56 | 48.50 | 49.28 | 53.22 | 56.37 | 57.94 | 64.25 | 72.12 | 80.00 | 81.57 | 1.471 | 34 | 50 |
| 28.25 | 32.35 | 36.29 | 37.08 | 40.23 | 42.59 | 44.16 | 48.10 | 48.89 | 52.83 | 55.98 | 57.55 | 63.85 | 71.73 | 79.60 | 81.18 | 1.472 | 36 | 53 |
| 27.86 | 31.96 | 35.89 | 36.68 | 39.83 | 42.19 | 43.77 | 47.71 | 48.50 | 52.43 | 55.58 | 57.16 | 63.46 | 71.33 | 79.21 | 80.78 | 1.474 | 38 | 56 |
| 25.88 | 29.98 | 33.92 | 34.71 | 37.86 | 40.22 | 41.79 | 45.74 | 46.52 | 50.46 | 53.61 | 55.18 | 61.48 | 69.36 | 77.24 | 78.81 | 1.479 | 48 | 71 |
| 30.39 | 34.48 | 38.42 | 39.21 | 42.36 | 44.72 | 46.29 | 50.24 | 51.02 | 54.96 | 58.11 | 59.68 | 65.98 | 73.86 | 81.73 | 83.31 | 1.480 | 25 | 37 |
| 29.99 | 34.09 | 38.02 | 38.81 | 41.96 | 44.32 | 45.90 | 49.84 | 50.63 | 54.56 | 57.71 | 59.29 | 65.59 | 73.46 | 81.34 | 82.91 | 1.481 | 27 | 40 |
| 26.43 | 30.53 | 34.47 | 35.26 | 38.41 | 40.77 | 42.35 | 46.29 | 47.07 | 51.01 | 54.16 | 55.74 | 62.04 | 69.91 | 77.79 | 79.36 | 1.489 | 45 | 67 |
| 20.47 | 24.58 | 28.52 | 29.31 | 32.47 | 34.83 | 36.41 | 40.35 | 41.14 | 45.08 | 48.23 | 49.81 | 56.11 | 63.99 | 71.87 | 73.44 | 1.493 | 75 | 112 |
| 30.94 | 35.03 | 38.97 | 39.76 | 42.91 | 45.27 | 46.85 | 50.79 | 51.57 | 55.51 | 58.66 | 60.23 | 66.53 | 74.41 | 82.28 | 83.86 | 1.500 | 22 | 33 |
| 30.15 | 34.25 | 38.18 | 38.97 | 42.12 | 44.48 | 46.06 | 50.00 | 50.78 | 54.72 | 57.87 | 59.44 | 65.74 | 73.62 | 81.49 | 83.07 | 1.500 | 26 | 39 |
| 29.75 | 33.85 | 37.79 | 38.58 | 41.73 | 44.09 | 45.66 | 49.60 | 50.39 | 54.32 | 57.47 | 59.05 | 65.35 | 73.22 | 81.10 | 82.68 | 1.500 | 28 | 42 |
| 29.36 | 33.46 | 37.39 | 38.18 | 41.33 | 43.69 | 45.27 | 49.21 | 49.99 | 53.93 | 57.08 | 58.65 | 64.96 | 72.83 | 80.71 | 82.28 | 1.500 | 30 | 45 |
| 28.97 | 33.06 | 37.00 | 37.79 | 40.94 | 43.30 | 44.87 | 48.81 | 49.60 | 53.54 | 56.69 | 58.26 | 64.56 | 72.44 | 80.31 | 81.89 | 1.500 | 32 | 48 |
| 27.38 | 31.48 | 35.42 | 36.21 | 39.36 | 41.72 | 43.29 | 47.24 | 48.02 | 51.96 | 55.11 | 56.68 | 62.98 | 70.86 | 78.74 | 80.31 | 1.500 | 40 | 60 |
| 26.99 | 31.08 | 35.02 | 35.81 | 38.96 | 41.32 | 42.90 | 46.84 | 47.63 | 51.56 | 54.71 | 56.29 | 62.59 | 70.46 | 78.34 | 79.92 | 1.500 | 42 | 63 |
| 25.40 | 29.50 | 33.44 | 34.23 | 37.38 | 39.74 | 41.32 | 45.26 | 46.05 | 49.98 | 53.13 | 54.71 | 61.01 | 68.89 | 76.76 | 78.34 | 1.500 | 50 | 75 |
| 23.42 | 27.52 | 31.46 | 32.25 | 35.40 | 37.76 | 39.34 | 43.28 | 44.07 | 48.01 | 51.16 | 52.73 | 59.04 | 66.91 | 74.79 | 76.36 | 1.500 | 60 | 90 |
| 24.77 | 28.87 | 32.80 | 33.60 | 36.75 | 39.11 | 40.69 | 44.63 | 45.41 | 49.35 | 52.50 | 54.08 | 60.38 | 68.25 | 76.13 | 77.71 | 1.509 | 53 | 80 |
| 28.33 | 32.43 | 36.36 | 37.15 | 40.31 | 42.67 | 44.24 | 48.18 | 48.97 | 52.90 | 56.05 | 57.63 | 63.93 | 71.80 | 79.68 | 81.26 | 1.514 | 35 | 53 |
| 27.94 | 32.03 | 35.97 | 36.76 | 39.91 | 42.27 | 43.85 | 47.79 | 48.57 | 52.51 | 55.66 | 57.23 | 63.54 | 71.41 | 79.29 | 80.86 | 1.514 | 37 | 56 |
| 28.73 | 32.82 | 36.76 | 37.55 | 40.70 | 43.06 | 44.64 | 48.58 | 49.36 | 53.30 | 56.45 | 58.02 | 64.32 | 72.20 | 80.08 | 81.65 | 1.515 | 33 | 50 |
| 29.91 | 34.01 | 37.94 | 38.73 | 41.89 | 44.25 | 45.82 | 49.76 | 50.55 | 54.48 | 57.63 | 59.21 | 65.51 | 73.38 | 81.26 | 82.83 | 1.519 | 27 | 41 |
| 30.31 | 34.40 | 38.34 | 39.13 | 42.28 | 44.64 | 46.21 | 50.16 | 50.94 | 54.88 | 58.03 | 59.60 | 65.90 | 73.78 | 81.65 | 83.23 | 1.520 | 25 | 38 |
| 27.06 | 31.16 | 35.10 | 35.89 | 39.04 | 41.40 | 42.98 | 46.92 | 47.70 | 51.64 | 54.79 | 56.37 | 62.67 | 70.54 | 78.42 | 79.99 | 1.537 | 41 | 63 |
| 30.07 | 34.17 | 38.10 | 38.89 | 42.04 | 44.40 | 45.98 | 49.92 | 50.70 | 54.64 | 57.79 | 59.36 | 65.66 | 73.54 | 81.41 | 82.99 | 1.538 | 26 | 40 |
| 27.46 | 31.56 | 35.49 | 36.28 | 39.44 | 41.80 | 43.37 | 47.31 | 48.10 | 52.03 | 55.18 | 56.76 | 63.06 | 70.94 | 78.81 | 80.39 | 1.538 | 39 | 60 |
| 30.86 | 34.95 | 38.89 | 39.68 | 42.83 | 45.19 | 46.77 | 50.71 | 51.49 | 55.43 | 58.58 | 60.15 | 66.45 | 74.33 | 82.20 | 83.78 | 1.545 | 22 | 34 |
| 29.04 | 33.14 | 37.07 | 37.87 | 41.02 | 43.38 | 44.95 | 48.89 | 49.68 | 53.61 | 56.76 | 58.34 | 64.64 | 72.51 | 80.39 | 81.97 | 1.548 | 31 | 48 |
| 29.44 | 33.53 | 37.47 | 38.26 | 41.41 | 43.77 | 45.35 | 49.29 | 50.07 | 54.01 | 57.16 | 58.73 | 65.03 | 72.91 | 80.78 | 82.36 | 1.552 | 29 | 45 |
| 29.83 | 33.93 | 37.86 | 38.65 | 41.80 | 44.17 | 45.74 | 49.68 | 50.47 | 54.40 | 57.55 | 59.13 | 65.43 | 73.30 | 81.18 | 82.75 | 1.556 | 27 | 42 |
| 28.01 | 32.11 | 36.05 | 36.84 | 39.99 | 42.35 | 43.92 | 47.87 | 48.65 | 52.59 | 55.74 | 57.31 | 63.61 | 71.49 | 79.36 | 80.94 | 1.556 | 36 | 56 |
| 28.41 | 32.51 | 36.44 | 37.23 | 40.38 | 42.74 | 44.32 | 48.26 | 49.04 | 52.98 | 56.13 | 57.71 | 64.01 | 71.88 | 79.76 | 81.33 | 1.559 | 34 | 53 |
| 30.23 | 34.32 | 38.26 | 39.05 | 42.20 | 44.56 | 46.14 | 50.08 | 50.86 | 54.80 | 57.95 | 59.52 | 65.82 | 73.70 | 81.57 | 83.15 | 1.560 | 25 | 39 |
| 28.80 | 32.90 | 36.84 | 37.63 | 40.78 | 43.14 | 44.71 | 48.65 | 49.44 | 53.38 | 56.53 | 58.10 | 64.40 | 72.28 | 80.15 | 81.73 | 1.563 | 32 | 50 |
| 25.55 | 29.65 | 33.59 | 34.38 | 37.54 | 39.90 | 41.47 | 45.42 | 46.20 | 50.14 | 53.29 | 54.86 | 61.17 | 69.04 | 76.92 | 78.49 | 1.563 | 48 | 75 |
| 27.14 | 31.24 | 35.18 | 35.97 | 39.12 | 41.48 | 43.05 | 47.00 | 47.78 | 51.72 | 54.87 | 56.44 | 62.74 | 70.62 | 78.50 | 80.07 | 1.575 | 40 | 63 |
| 29.99 | 34.09 | 38.02 | 38.81 | 41.96 | 44.32 | 45.90 | 49.84 | 50.62 | 54.56 | 57.71 | 59.28 | 65.59 | 73.46 | 81.34 | 82.91 | 1.577 | 26 | 41 |
| 20.76 | 24.88 | 28.82 | 29.61 | 32.77 | 35.14 | 36.71 | 40.66 | 41.44 | 45.38 | 48.54 | 50.11 | 56.42 | 64.30 | 72.18 | 73.75 | 1.577 | 71 | 112 |
| 1.18 | 1.22 | 1.26 | 1.26 | 1.29 | 1.31 | 1.32 | 1.35 | 1.36 | 1.38 | 1.40 | 1.41 | 1.45 | 1.49 | 1.52 | 1.53 | Length Factor* | | |

* This length factor must be used to determine the proper belt width.

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

# QT Power Chain® II Carbon Drive Selection

## 8mm Pre-Engineered Drive Selection Table

| Sprocket Combinations | | | | | Center Distance (in) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DriveR | | DriveN | | | | | | | | | | | | | | | | |
| Number of Grooves | Pitch Diameter (inches) | Number of Grooves | Pitch Diameter (inches) | Speed Ratio | 8MPCC-640 P.L. 25.20 80 Teeth | 8MPCC-720 P.L. 28.35 90 Teeth | 8MPCC-800 P.L. 31.50 100 Teeth | 8MPCC-896 P.L. 35.28 112 Teeth | 8MPCC-960 P.L. 37.80 120 Teeth | 8MPCC-1000 P.L. 39.37 125 Teeth | 8MPCC-1040 P.L. 40.94 130 Teeth | 8MPCC-1120 P.L. 44.09 140 Teeth | 8MPCC-1200 P.L. 47.24 150 Teeth | 8MPCC-1224 P.L. 48.19 153 Teeth | 8MPCC-1280 P.L. 50.39 160 Teeth | 8MPCC-1440 P.L. 56.69 180 Teeth | 8MPCC-1600 P.L. 62.99 200 Teeth | 8MPCC-1760 P.L. 69.29 220 Teeth |
| 45 | 4.511 | 71 | 7.118 | 1.578 | | | 6.49 | 8.41 | 9.68 | 10.47 | 11.26 | 12.85 | 14.43 | 14.90 | 16.01 | 17.19 | 22.32 | 25.48 |
| 38 | 3.810 | 60 | 6.015 | 1.579 | | 6.36 | 7.96 | 9.86 | 11.13 | 11.92 | 12.71 | 14.29 | 15.87 | 16.34 | 17.44 | 20.60 | 23.75 | 26.91 |
| 22 | 2.206 | 35 | 3.509 | 1.591 | 8.09 | 9.66 | 11.24 | 13.14 | 14.40 | 15.18 | 15.97 | 17.54 | 19.12 | 19.60 | 20.70 | 23.85 | 27.00 | 30.15 |
| 42 | 4.211 | 67 | 6.717 | 1.595 | | | 7.06 | 8.97 | 10.24 | 11.03 | 11.82 | 13.40 | 14.98 | 15.46 | 16.56 | 19.72 | 22.88 | 26.03 |
| 25 | 2.506 | 40 | 4.010 | 1.600 | 7.44 | 9.03 | 10.61 | 12.50 | 13.76 | 14.55 | 15.33 | 16.91 | 18.49 | 18.96 | 20.06 | 23.22 | 26.37 | 29.52 |
| 30 | 3.008 | 48 | 4.812 | 1.600 | 6.39 | 7.98 | 9.57 | 11.46 | 12.73 | 13.51 | 14.30 | 15.88 | 17.45 | 17.93 | 19.03 | 22.18 | 25.34 | 28.49 |
| 35 | 3.509 | 56 | 5.614 | 1.600 | 5.33 | 6.93 | 8.52 | 10.42 | 11.69 | 12.48 | 13.26 | 14.84 | 16.42 | 16.90 | 18.00 | 21.15 | 24.31 | 27.46 |
| 50 | 5.013 | 80 | 8.020 | 1.600 | | | | 7.25 | 8.53 | 9.33 | 10.12 | 11.71 | 13.30 | 13.78 | 14.88 | 18.05 | 21.21 | 24.36 |
| 33 | 3.308 | 53 | 5.314 | 1.606 | 5.74 | 7.33 | 8.92 | 10.82 | 12.09 | 12.87 | 13.66 | 15.24 | 16.82 | 17.29 | 18.40 | 21.55 | 24.70 | 27.86 |
| 28 | 2.807 | 45 | 4.511 | 1.607 | 6.80 | 8.38 | 9.97 | 11.86 | 13.12 | 13.91 | 14.70 | 16.28 | 17.85 | 18.33 | 19.43 | 22.58 | 25.73 | 28.88 |
| 56 | 5.614 | 90 | 9.023 | 1.607 | | | | | | 8.01 | 8.81 | 10.41 | 12.00 | 12.48 | 13.59 | 16.76 | 19.93 | 23.09 |
| 31 | 3.108 | 50 | 5.013 | 1.613 | 6.15 | 7.74 | 9.32 | 11.22 | 12.49 | 13.27 | 14.06 | 15.64 | 17.22 | 17.69 | 18.79 | 21.95 | 25.10 | 28.25 |
| 26 | 2.607 | 42 | 4.211 | 1.615 | 7.20 | 8.78 | 10.36 | 12.26 | 13.52 | 14.31 | 15.09 | 16.67 | 18.25 | 18.72 | 19.82 | 22.98 | 26.13 | 29.28 |
| 39 | 3.910 | 63 | 6.316 | 1.615 | | 6.02 | 7.62 | 9.53 | 10.80 | 11.59 | 12.38 | 13.96 | 15.54 | 16.02 | 17.12 | 20.28 | 23.43 | 26.59 |
| 37 | 3.709 | 60 | 6.015 | 1.622 | | 6.43 | 8.03 | 9.94 | 11.20 | 11.99 | 12.78 | 14.36 | 15.94 | 16.42 | 17.52 | 20.68 | 23.83 | 26.98 |
| 41 | 4.110 | 67 | 6.717 | 1.634 | | | 7.13 | 9.04 | 10.31 | 11.10 | 11.90 | 13.48 | 15.06 | 15.54 | 16.64 | 19.80 | 22.95 | 26.11 |
| 22 | 2.206 | 36 | 3.609 | 1.636 | 8.00 | 9.58 | 11.16 | 13.05 | 14.32 | 15.10 | 15.89 | 17.46 | 19.04 | 19.52 | 20.62 | 23.77 | 26.92 | 30.07 |
| 25 | 2.506 | 41 | 4.110 | 1.640 | 7.36 | 8.94 | 10.52 | 12.42 | 13.68 | 14.47 | 15.25 | 16.83 | 18.41 | 18.88 | 19.98 | 23.13 | 26.29 | 29.44 |
| 34 | 3.409 | 56 | 5.614 | 1.647 | 5.40 | 7.00 | 8.59 | 10.50 | 11.76 | 12.55 | 13.34 | 14.92 | 16.50 | 16.97 | 18.07 | 21.23 | 24.38 | 27.54 |
| 29 | 2.907 | 48 | 4.812 | 1.655 | 6.47 | 8.06 | 9.64 | 11.54 | 12.80 | 13.59 | 14.38 | 15.95 | 17.53 | 18.01 | 19.11 | 22.26 | 25.41 | 28.57 |
| 32 | 3.208 | 53 | 5.314 | 1.656 | 5.81 | 7.41 | 9.00 | 10.90 | 12.16 | 12.95 | 13.74 | 15.32 | 16.89 | 17.37 | 18.47 | 21.63 | 24.78 | 27.93 |
| 38 | 3.810 | 63 | 6.316 | 1.658 | | 6.09 | 7.69 | 9.61 | 10.87 | 11.66 | 12.45 | 14.04 | 15.62 | 16.09 | 17.20 | 20.35 | 23.51 | 26.66 |
| 27 | 2.707 | 45 | 4.511 | 1.667 | 6.87 | 8.46 | 10.04 | 11.94 | 13.20 | 13.99 | 14.77 | 16.35 | 17.93 | 18.40 | 19.51 | 22.66 | 25.81 | 28.96 |
| 30 | 3.008 | 50 | 5.013 | 1.667 | 6.22 | 7.81 | 9.40 | 11.30 | 12.56 | 13.35 | 14.13 | 15.71 | 17.29 | 17.77 | 18.87 | 22.02 | 25.18 | 28.33 |
| 36 | 3.609 | 60 | 6.015 | 1.667 | | 6.50 | 8.10 | 10.01 | 11.28 | 12.07 | 12.85 | 14.44 | 16.02 | 16.49 | 17.60 | 20.75 | 23.91 | 27.06 |
| 45 | 4.511 | 75 | 7.519 | 1.667 | | | | 8.05 | 9.33 | 10.12 | 10.92 | 12.51 | 14.09 | 14.57 | 15.67 | 18.84 | 22.00 | 25.15 |
| 48 | 4.812 | 80 | 8.020 | 1.667 | | | | 7.39 | 8.67 | 9.47 | 10.27 | 11.86 | 13.45 | 13.92 | 15.03 | 18.20 | 21.36 | 24.51 |
| 67 | 6.717 | 112 | 11.229 | 1.672 | | | | | | | | | | 9.74 | 10.87 | 14.07 | 17.25 | 20.43 |
| 40 | 4.010 | 67 | 6.717 | 1.675 | | | 7.20 | 9.11 | 10.39 | 11.18 | 11.97 | 13.55 | 15.13 | 15.61 | 16.72 | 19.87 | 23.03 | 26.19 |
| 25 | 2.506 | 42 | 4.211 | 1.680 | 7.27 | 8.86 | 10.44 | 12.34 | 13.60 | 14.38 | 15.17 | 16.75 | 18.32 | 18.80 | 19.90 | 23.05 | 26.21 | 29.36 |
| 22 | 2.206 | 37 | 3.709 | 1.682 | 7.92 | 9.50 | 11.08 | 12.97 | 14.23 | 15.02 | 15.81 | 17.38 | 18.96 | 19.43 | 20.54 | 23.69 | 26.84 | 29.99 |
| 42 | 4.211 | 71 | 7.118 | 1.690 | | | 6.69 | 8.62 | 9.90 | 10.69 | 11.48 | 13.07 | 14.65 | 15.13 | 16.23 | 19.39 | 22.55 | 25.71 |
| 33 | 3.308 | 56 | 5.614 | 1.697 | 5.47 | 7.07 | 8.67 | 10.57 | 11.84 | 12.62 | 13.41 | 14.99 | 16.57 | 17.05 | 18.15 | 21.31 | 24.46 | 27.61 |
| 53 | 5.314 | 90 | 9.023 | 1.698 | | | | | 7.41 | 8.21 | 9.02 | 10.62 | 12.22 | 12.70 | 13.81 | 16.98 | 20.15 | 23.31 |
| 37 | 3.709 | 63 | 6.316 | 1.703 | | 6.16 | 7.77 | 9.68 | 10.95 | 11.74 | 12.53 | 14.11 | 15.69 | 16.17 | 17.27 | 20.43 | 23.59 | 26.74 |
| 31 | 3.108 | 53 | 5.314 | 1.710 | 5.88 | 7.48 | 9.07 | 10.97 | 12.24 | 13.02 | 13.81 | 15.39 | 16.97 | 17.45 | 18.55 | 21.70 | 24.86 | 28.01 |
| 28 | 2.807 | 48 | 4.812 | 1.714 | 6.54 | 8.13 | 9.71 | 11.61 | 12.88 | 13.66 | 14.45 | 16.03 | 17.61 | 18.08 | 19.18 | 22.34 | 25.49 | 28.64 |
| 35 | 3.509 | 60 | 6.015 | 1.714 | | 6.58 | 8.17 | 10.08 | 11.35 | 12.14 | 12.93 | 14.51 | 16.09 | 16.57 | 17.67 | 20.83 | 23.98 | 27.14 |
| 39 | 3.910 | 67 | 6.717 | 1.718 | | | 7.27 | 9.19 | 10.46 | 11.25 | 12.04 | 13.63 | 15.21 | 15.69 | 16.79 | 19.95 | 23.11 | 26.26 |
| 29 | 2.907 | 50 | 5.013 | 1.724 | 6.29 | 7.88 | 9.47 | 11.37 | 12.64 | 13.42 | 14.21 | 15.79 | 17.37 | 17.84 | 18.95 | 22.10 | 25.25 | 28.41 |
| 22 | 2.206 | 38 | 3.810 | 1.727 | 7.83 | 9.42 | 11.00 | 12.89 | 14.15 | 14.94 | 15.72 | 17.30 | 18.88 | 19.35 | 20.45 | 23.61 | 26.76 | 29.91 |
| 26 | 2.607 | 45 | 4.511 | 1.731 | 6.94 | 8.53 | 10.11 | 12.01 | 13.28 | 14.06 | 14.85 | 16.43 | 18.00 | 18.48 | 19.58 | 22.73 | 25.89 | 29.04 |
| 41 | 4.110 | 71 | 7.118 | 1.732 | | | 6.76 | 8.69 | 9.97 | 10.76 | 11.55 | 13.14 | 14.72 | 15.20 | 16.31 | 19.47 | 22.63 | 25.78 |
| 32 | 3.208 | 56 | 5.614 | 1.750 | 5.54 | 7.14 | 8.74 | 10.64 | 11.91 | 12.70 | 13.49 | 15.07 | 16.65 | 17.12 | 18.23 | 21.38 | 24.54 | 27.69 |
| 36 | 3.609 | 63 | 6.316 | 1.750 | | 6.23 | 7.84 | 9.75 | 11.02 | 11.81 | 12.60 | 14.19 | 15.77 | 16.24 | 17.35 | 20.51 | 23.66 | 26.82 |
| 80 | 8.020 | 140 | 14.036 | 1.750 | | | | | | | | | | | | | 13.84 | 17.06 |
| 38 | 3.810 | 67 | 6.717 | 1.763 | | | 7.34 | 9.26 | 10.53 | 11.32 | 12.11 | 13.70 | 15.28 | 15.76 | 16.86 | 20.02 | 23.18 | 26.34 |
| 34 | 3.409 | 60 | 6.015 | 1.765 | | 6.65 | 8.25 | 10.15 | 11.42 | 12.21 | 13.00 | 14.59 | 16.17 | 16.64 | 17.75 | 20.90 | 24.06 | 27.21 |
| 30 | 3.008 | 53 | 5.314 | 1.767 | 5.95 | 7.55 | 9.14 | 11.04 | 12.31 | 13.10 | 13.89 | 15.47 | 17.04 | 17.52 | 18.62 | 21.78 | 24.93 | 28.09 |
| 22 | 2.206 | 39 | 3.910 | 1.773 | 7.75 | 9.33 | 10.91 | 12.81 | 14.07 | 14.86 | 15.64 | 17.22 | 18.80 | 19.27 | 20.37 | 23.53 | 26.68 | 29.83 |
| 40 | 4.010 | 71 | 7.118 | 1.775 | | | 6.83 | 8.76 | 10.04 | 10.83 | 11.63 | 13.21 | 14.80 | 15.28 | 16.38 | 19.54 | 22.70 | 25.86 |
| 27 | 2.707 | 48 | 4.812 | 1.778 | 6.61 | 8.20 | 9.79 | 11.69 | 12.95 | 13.74 | 14.53 | 16.11 | 17.68 | 18.16 | 19.26 | 22.41 | 25.57 | 28.72 |
| 45 | 4.511 | 80 | 8.020 | 1.778 | | | | 7.59 | 8.88 | 9.68 | 10.48 | 12.08 | 13.67 | 14.14 | 15.25 | 18.42 | 21.58 | 24.74 |
| 63 | 6.316 | 112 | 11.229 | 1.778 | | | | | | | | | 9.52 | 10.01 | 11.14 | 14.35 | 17.54 | 20.72 |
| 28 | 2.807 | 50 | 5.013 | 1.786 | 6.36 | 7.96 | 9.54 | 11.44 | 12.71 | 13.50 | 14.29 | 15.86 | 17.44 | 17.92 | 19.02 | 22.18 | 25.33 | 28.48 |
| 42 | 4.211 | 75 | 7.519 | 1.786 | | | | 8.26 | 9.54 | 10.34 | 11.13 | 12.72 | 14.31 | 14.79 | 15.90 | 19.06 | 22.22 | 25.38 |
| 25 | 2.506 | 45 | 4.511 | 1.800 | 7.02 | 8.61 | 10.19 | 12.09 | 13.35 | 14.14 | 14.93 | 16.50 | 18.08 | 18.56 | 19.66 | 22.81 | 25.96 | 29.12 |
| 35 | 3.509 | 63 | 6.316 | 1.800 | | 6.30 | 7.91 | 9.82 | 11.09 | 11.89 | 12.68 | 14.26 | 15.84 | 16.32 | 17.42 | 20.58 | 23.74 | 26.89 |
| 50 | 5.013 | 90 | 9.023 | 1.800 | | | | | 7.61 | 8.42 | 9.23 | 10.84 | 12.43 | 12.92 | 14.03 | 17.20 | 20.37 | 23.54 |
| 31 | 3.108 | 56 | 5.614 | 1.806 | 5.61 | 7.22 | 8.81 | 10.72 | 11.98 | 12.77 | 13.56 | 15.14 | 16.72 | 17.20 | 18.30 | 21.46 | 24.61 | 27.77 |
| 37 | 3.709 | 67 | 6.717 | 1.811 | | 5.79 | 7.41 | 9.33 | 10.60 | 11.40 | 12.19 | 13.77 | 15.36 | 15.83 | 16.94 | 20.10 | 23.26 | 26.41 |
| 22 | 2.206 | 40 | 4.010 | 1.818 | 7.66 | 9.25 | 10.83 | 12.73 | 13.99 | 14.78 | 15.56 | 17.14 | 18.72 | 19.19 | 20.29 | 23.45 | 26.60 | 29.75 |
| 33 | 3.308 | 60 | 6.015 | 1.818 | | 6.72 | 8.32 | 10.23 | 11.50 | 12.29 | 13.08 | 14.66 | 16.24 | 16.72 | 17.82 | 20.98 | 24.13 | 27.29 |
| 39 | 3.910 | 71 | 7.118 | 1.821 | | | 6.90 | 8.83 | 10.11 | 10.91 | 11.70 | 13.29 | 14.87 | 15.35 | 16.46 | 19.62 | 22.78 | 25.93 |
| 29 | 2.907 | 53 | 5.314 | 1.828 | 6.02 | 7.62 | 9.21 | 11.12 | 12.38 | 13.17 | 13.96 | 15.54 | 17.12 | 17.60 | 18.70 | 21.86 | 25.01 | 28.16 |
| 41 | 4.110 | 75 | 7.519 | 1.829 | | | 6.39 | 8.33 | 9.62 | 10.41 | 11.21 | 12.80 | 14.39 | 14.86 | 15.97 | 19.14 | 22.30 | 25.45 |
| 26 | 2.607 | 48 | 4.812 | 1.846 | 6.68 | 8.27 | 9.86 | 11.76 | 13.03 | 13.81 | 14.60 | 16.18 | 17.76 | 18.23 | 19.34 | 22.49 | 25.64 | 28.80 |
| 27 | 2.707 | 50 | 5.013 | 1.852 | 6.43 | 8.03 | 9.62 | 11.52 | 12.78 | 13.57 | 14.36 | 15.94 | 17.52 | 17.99 | 19.10 | 22.25 | 25.41 | 28.56 |
| 34 | 3.409 | 63 | 6.316 | 1.853 | | 6.37 | 7.98 | 9.90 | 11.17 | 11.96 | 12.75 | 14.33 | 15.92 | 16.39 | 17.50 | 20.66 | 23.81 | 26.97 |
| 36 | 3.609 | 67 | 6.717 | 1.861 | | 5.86 | 7.48 | 9.40 | 10.68 | 11.47 | 12.26 | 13.85 | 15.43 | 15.91 | 17.01 | 20.18 | 23.33 | 26.49 |
| 22 | 2.206 | 41 | 4.110 | 1.864 | 7.58 | 9.16 | 10.75 | 12.64 | 13.91 | 14.69 | 15.48 | 17.06 | 18.64 | 19.11 | 20.21 | 23.37 | 26.52 | 29.67 |
| 30 | 3.008 | 56 | 5.614 | 1.867 | 5.68 | 7.29 | 8.88 | 10.79 | 12.06 | 12.85 | 13.64 | 15.22 | 16.80 | 17.27 | 18.38 | 21.53 | 24.69 | 27.84 |
| 60 | 6.015 | 112 | 11.229 | 1.867 | | | | | | | | | 9.73 | 10.22 | 11.35 | 14.57 | 17.76 | 20.94 |
| 75 | 7.519 | 140 | 14.036 | 1.867 | | | | | | | | | | | | | 14.19 | 17.41 |
| 38 | 3.810 | 71 | 7.118 | 1.868 | | | 6.97 | 8.90 | 10.18 | 10.98 | 11.77 | 13.36 | 14.95 | 15.42 | 16.53 | 19.69 | 22.85 | 26.01 |
| 32 | 3.208 | 60 | 6.015 | 1.875 | 5.16 | 6.79 | 8.39 | 10.30 | 11.57 | 12.36 | 13.15 | 14.73 | 16.32 | 16.79 | 17.90 | 21.05 | 24.21 | 27.37 |
| 40 | 4.010 | 75 | 7.519 | 1.875 | | | 6.46 | 8.40 | 9.69 | 10.48 | 11.28 | 12.87 | 14.46 | 14.94 | 16.04 | 19.21 | 22.37 | 25.53 |
| 48 | 4.812 | 90 | 9.023 | 1.875 | | | | | 7.75 | 8.56 | 9.37 | 10.98 | 12.58 | 13.06 | 14.17 | 17.35 | 20.52 | 23.69 |
| Length Factor* | | | | | 0.79 | 0.83 | 0.87 | 0.91 | 0.94 | 0.96 | 0.97 | 1.00 | 1.03 | 1.03 | 1.05 | 1.10 | 1.14 | 1.17 |

* This length factor must be used to determine the proper belt width.

## 8mm Pre-Engineered Drive Selection Table

| Center Distance (in) | | | | | | | | | | | | | | | | | Speed Ratio | Sprocket Combinations | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8MPCC-1792 P.L. 70.55 224 Teeth | 8MPCC-2000 P.L. 78.74 250 Teeth | 8MPCC-2200 P.L. 86.61 275 Teeth | 8MPCC-2240 P.L. 88.19 280 Teeth | 8MPCC-2400 P.L. 94.49 300 Teeth | 8MPCC-2520 P.L. 99.21 315 Teeth | 8MPCC-2600 P.L. 102.36 325 Teeth | 8MPCC-2800 P.L. 110.24 350 Teeth | 8MPCC-2840 P.L. 111.81 355 Teeth | 8MPCC-3048 P.L. 120.00 381 Teeth | 8MPCC-3200 P.L. 125.98 400 Teeth | 8MPCC-3280 P.L. 129.13 410 Teeth | 8MPCC-3600 P.L. 141.73 450 Teeth | 8MPCC-4000 P.L. 157.48 500 Teeth | 8MPCC-4400 P.L. 173.23 550 Teeth | 8MPCC-4480 P.L. 176.38 560 Teeth | | DriveR Number of Grooves | DriveN Number of Grooves |
| 26.11 | 30.21 | 34.15 | 34.94 | 38.09 | 40.45 | 42.03 | 45.97 | 46.75 | 50.85 | 53.84 | 55.42 | 61.72 | 69.59 | 77.47 | 79.05 | 1.578 | 45 | 71 |
| 27.54 | 31.63 | 35.57 | 36.36 | 39.51 | 41.87 | 43.45 | 47.39 | 48.18 | 52.27 | 55.26 | 56.84 | 63.14 | 71.01 | 78.89 | 80.47 | 1.579 | 38 | 60 |
| 30.78 | 34.88 | 38.81 | 39.60 | 42.75 | 45.11 | 46.69 | 50.63 | 51.41 | 55.51 | 58.50 | 60.07 | 66.37 | 74.25 | 82.12 | 83.70 | 1.591 | 22 | 35 |
| 26.66 | 30.76 | 34.70 | 35.49 | 38.64 | 41.00 | 42.58 | 46.52 | 47.31 | 51.40 | 54.39 | 55.97 | 62.27 | 70.15 | 78.02 | 79.60 | 1.595 | 42 | 67 |
| 30.15 | 34.24 | 38.18 | 38.97 | 42.12 | 44.48 | 46.06 | 50.00 | 50.78 | 54.88 | 57.87 | 59.44 | 65.74 | 73.62 | 81.49 | 83.07 | 1.600 | 25 | 40 |
| 29.12 | 33.22 | 37.15 | 37.94 | 41.09 | 43.45 | 45.03 | 48.97 | 49.76 | 53.85 | 56.84 | 58.42 | 64.72 | 72.59 | 80.47 | 82.04 | 1.600 | 30 | 48 |
| 28.09 | 32.19 | 36.12 | 36.91 | 40.07 | 42.43 | 44.00 | 47.94 | 48.73 | 52.82 | 55.81 | 57.39 | 63.69 | 71.57 | 79.44 | 81.02 | 1.600 | 35 | 56 |
| 24.99 | 29.10 | 33.03 | 33.83 | 36.98 | 39.34 | 40.92 | 44.86 | 45.64 | 49.74 | 52.73 | 54.31 | 60.61 | 68.49 | 76.36 | 77.94 | 1.600 | 50 | 80 |
| 28.49 | 32.58 | 36.52 | 37.31 | 40.46 | 42.82 | 44.40 | 48.34 | 49.12 | 53.22 | 56.21 | 57.78 | 64.09 | 71.96 | 79.84 | 81.41 | 1.606 | 33 | 53 |
| 29.52 | 33.61 | 37.55 | 38.34 | 41.49 | 43.85 | 45.42 | 49.37 | 50.15 | 54.25 | 57.24 | 58.81 | 65.11 | 72.99 | 80.86 | 82.44 | 1.607 | 28 | 45 |
| 23.72 | 27.82 | 31.76 | 32.55 | 35.71 | 38.07 | 39.65 | 43.59 | 44.38 | 48.47 | 51.47 | 53.04 | 59.34 | 67.22 | 75.10 | 76.68 | 1.607 | 56 | 90 |
| 28.88 | 32.98 | 36.91 | 37.70 | 40.86 | 43.22 | 44.79 | 48.73 | 49.52 | 53.61 | 56.60 | 58.18 | 64.48 | 72.36 | 80.23 | 81.81 | 1.613 | 31 | 50 |
| 29.91 | 34.01 | 37.94 | 38.73 | 41.88 | 44.24 | 45.82 | 49.76 | 50.54 | 54.64 | 57.63 | 59.20 | 65.51 | 73.38 | 81.26 | 82.83 | 1.615 | 26 | 42 |
| 27.22 | 31.32 | 35.25 | 36.04 | 39.20 | 41.56 | 43.13 | 47.07 | 47.86 | 51.95 | 54.95 | 56.52 | 62.82 | 70.70 | 78.57 | 80.15 | 1.615 | 39 | 63 |
| 27.61 | 31.71 | 35.65 | 36.44 | 39.59 | 41.95 | 43.53 | 47.47 | 48.25 | 52.35 | 55.34 | 56.92 | 63.22 | 71.09 | 78.97 | 80.54 | 1.622 | 37 | 60 |
| 26.74 | 30.84 | 34.78 | 35.57 | 38.72 | 41.08 | 42.66 | 46.60 | 47.38 | 51.48 | 54.47 | 56.05 | 62.35 | 70.22 | 78.10 | 79.68 | 1.634 | 41 | 67 |
| 30.70 | 34.80 | 38.73 | 39.52 | 42.67 | 45.03 | 46.61 | 50.55 | 51.33 | 55.43 | 58.42 | 59.99 | 66.29 | 74.17 | 82.04 | 83.62 | 1.636 | 22 | 36 |
| 30.07 | 34.16 | 38.10 | 38.89 | 42.04 | 44.40 | 45.98 | 49.92 | 50.70 | 54.80 | 57.79 | 59.36 | 65.66 | 73.54 | 81.41 | 82.99 | 1.640 | 25 | 41 |
| 28.17 | 32.26 | 36.20 | 36.99 | 40.14 | 42.50 | 44.08 | 48.02 | 48.81 | 52.90 | 55.89 | 57.47 | 63.77 | 71.64 | 79.52 | 81.10 | 1.647 | 34 | 56 |
| 29.20 | 33.29 | 37.23 | 38.02 | 41.17 | 43.53 | 45.11 | 49.05 | 49.83 | 53.93 | 56.92 | 58.49 | 64.80 | 72.67 | 80.55 | 82.12 | 1.655 | 29 | 48 |
| 28.56 | 32.66 | 36.60 | 37.39 | 40.54 | 42.90 | 44.47 | 48.42 | 49.20 | 53.30 | 56.29 | 57.86 | 64.16 | 72.04 | 79.91 | 81.49 | 1.656 | 32 | 53 |
| 27.29 | 31.39 | 35.33 | 36.12 | 39.27 | 41.63 | 43.21 | 47.15 | 47.94 | 52.03 | 55.02 | 56.60 | 62.90 | 70.78 | 78.65 | 80.23 | 1.658 | 38 | 63 |
| 29.59 | 33.69 | 37.63 | 38.42 | 41.57 | 43.93 | 45.50 | 49.44 | 50.23 | 54.32 | 57.31 | 58.89 | 65.19 | 73.07 | 80.94 | 82.52 | 1.667 | 27 | 45 |
| 28.96 | 33.06 | 36.99 | 37.78 | 40.93 | 43.29 | 44.87 | 48.81 | 49.60 | 53.69 | 56.68 | 58.26 | 64.56 | 72.43 | 80.31 | 81.88 | 1.667 | 30 | 50 |
| 27.69 | 31.79 | 35.73 | 36.52 | 39.67 | 42.03 | 43.60 | 47.55 | 48.33 | 52.43 | 55.42 | 56.99 | 63.29 | 71.17 | 79.05 | 80.62 | 1.667 | 36 | 60 |
| 25.78 | 29.88 | 33.82 | 34.61 | 37.77 | 40.13 | 41.70 | 45.65 | 46.43 | 50.53 | 53.52 | 55.10 | 61.40 | 69.28 | 77.15 | 78.73 | 1.667 | 45 | 75 |
| 25.15 | 29.25 | 33.19 | 33.98 | 37.13 | 39.49 | 41.07 | 45.01 | 45.80 | 49.90 | 52.89 | 54.46 | 60.77 | 68.64 | 76.52 | 78.10 | 1.667 | 48 | 80 |
| 21.06 | 25.17 | 29.12 | 29.92 | 33.07 | 35.44 | 37.02 | 40.96 | 41.75 | 45.85 | 48.84 | 50.42 | 56.73 | 64.61 | 72.49 | 74.06 | 1.672 | 67 | 112 |
| 26.82 | 30.92 | 34.85 | 35.64 | 38.80 | 41.16 | 42.73 | 46.68 | 47.46 | 51.56 | 54.55 | 56.12 | 62.43 | 70.30 | 78.18 | 79.75 | 1.675 | 40 | 67 |
| 29.99 | 34.08 | 38.02 | 38.81 | 41.96 | 44.32 | 45.90 | 49.84 | 50.62 | 54.72 | 57.71 | 59.28 | 65.58 | 73.46 | 81.34 | 82.91 | 1.680 | 25 | 42 |
| 30.62 | 34.72 | 38.65 | 39.44 | 42.59 | 44.95 | 46.53 | 50.47 | 51.25 | 55.35 | 58.34 | 59.91 | 66.22 | 74.09 | 81.97 | 83.54 | 1.682 | 22 | 37 |
| 26.34 | 30.44 | 34.38 | 35.17 | 38.32 | 40.68 | 42.26 | 46.20 | 46.98 | 51.08 | 54.07 | 55.65 | 61.95 | 69.83 | 77.70 | 79.28 | 1.690 | 42 | 71 |
| 28.24 | 32.34 | 36.28 | 37.07 | 40.22 | 42.58 | 44.16 | 48.10 | 48.88 | 52.98 | 55.97 | 57.55 | 63.85 | 71.72 | 79.60 | 81.17 | 1.697 | 33 | 56 |
| 23.94 | 28.05 | 31.99 | 32.78 | 35.94 | 38.30 | 39.88 | 43.82 | 44.61 | 48.70 | 51.70 | 53.27 | 59.58 | 67.45 | 75.33 | 76.91 | 1.698 | 53 | 90 |
| 27.37 | 31.47 | 35.41 | 36.20 | 39.35 | 41.71 | 43.29 | 47.23 | 48.01 | 52.11 | 55.10 | 56.68 | 62.98 | 70.85 | 78.73 | 80.31 | 1.703 | 37 | 63 |
| 28.64 | 32.74 | 36.67 | 37.46 | 40.62 | 42.98 | 44.55 | 48.49 | 49.28 | 53.37 | 56.36 | 57.94 | 64.24 | 72.12 | 79.99 | 81.57 | 1.710 | 31 | 53 |
| 29.27 | 33.37 | 37.31 | 38.10 | 41.25 | 43.61 | 45.18 | 49.13 | 49.91 | 54.01 | 57.00 | 58.57 | 64.87 | 72.75 | 80.62 | 82.20 | 1.714 | 28 | 48 |
| 27.77 | 31.87 | 35.80 | 36.59 | 39.75 | 42.11 | 43.68 | 47.62 | 48.41 | 52.50 | 55.50 | 57.07 | 63.37 | 71.25 | 79.12 | 80.70 | 1.714 | 35 | 60 |
| 26.89 | 30.99 | 34.93 | 35.72 | 38.87 | 41.23 | 42.81 | 46.75 | 47.54 | 51.63 | 54.63 | 56.20 | 62.50 | 70.38 | 78.26 | 79.83 | 1.718 | 39 | 67 |
| 29.04 | 33.13 | 37.07 | 37.86 | 41.01 | 43.37 | 44.95 | 48.89 | 49.67 | 53.77 | 56.76 | 58.34 | 64.64 | 72.51 | 80.39 | 81.96 | 1.724 | 29 | 50 |
| 30.54 | 34.64 | 38.57 | 39.36 | 42.51 | 44.87 | 46.45 | 50.39 | 51.17 | 55.27 | 58.26 | 59.83 | 66.14 | 74.01 | 81.89 | 83.46 | 1.727 | 22 | 38 |
| 29.67 | 33.77 | 37.70 | 38.49 | 41.64 | 44.00 | 45.58 | 49.52 | 50.31 | 54.40 | 57.39 | 58.97 | 65.27 | 73.14 | 81.02 | 82.59 | 1.731 | 26 | 45 |
| 26.41 | 30.51 | 34.45 | 35.24 | 38.40 | 40.76 | 42.33 | 46.28 | 47.06 | 51.16 | 54.15 | 55.73 | 62.03 | 69.91 | 77.78 | 79.36 | 1.732 | 41 | 71 |
| 28.32 | 32.42 | 36.36 | 37.15 | 40.30 | 42.66 | 44.23 | 48.18 | 48.96 | 53.06 | 56.05 | 57.62 | 63.92 | 71.80 | 79.68 | 81.25 | 1.750 | 32 | 56 |
| 27.45 | 31.55 | 35.48 | 36.27 | 39.43 | 41.79 | 43.36 | 47.31 | 48.09 | 52.19 | 55.18 | 56.75 | 63.06 | 70.93 | 78.81 | 80.38 | 1.750 | 36 | 63 |
| 17.70 | 21.84 | 25.81 | 26.60 | 29.77 | 32.14 | 33.72 | 37.68 | 38.46 | 42.57 | 45.57 | 47.15 | 53.46 | 61.34 | 69.23 | 70.80 | 1.750 | 80 | 140 |
| 26.97 | 31.07 | 35.01 | 35.80 | 38.95 | 41.31 | 42.89 | 46.83 | 47.61 | 51.71 | 54.70 | 56.28 | 62.58 | 70.46 | 78.33 | 79.91 | 1.763 | 38 | 67 |
| 27.84 | 31.94 | 35.88 | 36.67 | 39.82 | 42.18 | 43.76 | 47.70 | 48.49 | 52.58 | 55.57 | 57.15 | 63.45 | 71.33 | 79.20 | 80.78 | 1.765 | 34 | 60 |
| 28.72 | 32.81 | 36.75 | 37.54 | 40.69 | 43.05 | 44.63 | 48.57 | 49.36 | 53.45 | 56.44 | 58.02 | 64.32 | 72.19 | 80.07 | 81.65 | 1.767 | 30 | 53 |
| 30.46 | 34.56 | 38.49 | 39.28 | 42.43 | 44.79 | 46.37 | 50.31 | 51.09 | 55.19 | 58.18 | 59.76 | 66.06 | 73.93 | 81.81 | 83.38 | 1.773 | 22 | 39 |
| 26.49 | 30.59 | 34.53 | 35.32 | 38.47 | 40.84 | 42.41 | 46.35 | 47.14 | 51.24 | 54.23 | 55.80 | 62.11 | 69.98 | 77.86 | 79.43 | 1.775 | 40 | 71 |
| 29.35 | 33.45 | 37.38 | 38.18 | 41.33 | 43.69 | 45.26 | 49.20 | 49.99 | 54.08 | 57.07 | 58.65 | 64.95 | 72.83 | 80.70 | 82.28 | 1.778 | 27 | 48 |
| 25.37 | 29.48 | 33.42 | 34.21 | 37.36 | 39.72 | 41.30 | 45.24 | 46.03 | 50.13 | 53.12 | 54.70 | 61.00 | 68.88 | 76.75 | 78.33 | 1.778 | 45 | 80 |
| 21.35 | 25.47 | 29.42 | 30.22 | 33.37 | 35.74 | 37.32 | 41.27 | 42.05 | 46.15 | 49.15 | 50.73 | 57.03 | 64.91 | 72.79 | 74.37 | 1.778 | 63 | 112 |
| 29.11 | 33.21 | 37.15 | 37.94 | 41.09 | 43.45 | 45.02 | 48.97 | 49.75 | 53.85 | 56.84 | 58.41 | 64.71 | 72.59 | 80.47 | 82.04 | 1.786 | 28 | 50 |
| 26.01 | 30.11 | 34.05 | 34.84 | 38.00 | 40.36 | 41.93 | 45.88 | 46.66 | 50.76 | 53.75 | 55.33 | 61.63 | 69.51 | 77.38 | 78.96 | 1.786 | 42 | 75 |
| 29.75 | 33.84 | 37.78 | 38.57 | 41.72 | 44.08 | 45.66 | 49.60 | 50.38 | 54.48 | 57.47 | 59.05 | 65.35 | 73.22 | 81.10 | 82.67 | 1.800 | 25 | 45 |
| 27.52 | 31.62 | 35.56 | 36.35 | 39.50 | 41.86 | 43.44 | 47.38 | 48.17 | 52.26 | 55.26 | 56.83 | 63.13 | 71.01 | 78.89 | 80.46 | 1.800 | 35 | 63 |
| 24.17 | 28.28 | 32.22 | 33.01 | 36.17 | 38.53 | 40.11 | 44.05 | 44.84 | 48.94 | 51.93 | 53.50 | 59.81 | 67.69 | 75.56 | 77.14 | 1.800 | 50 | 90 |
| 28.40 | 32.50 | 36.43 | 37.22 | 40.38 | 42.74 | 44.31 | 48.25 | 49.04 | 53.13 | 56.13 | 57.70 | 64.00 | 71.88 | 79.75 | 81.33 | 1.806 | 31 | 56 |
| 27.04 | 31.15 | 35.08 | 35.87 | 39.03 | 41.39 | 42.97 | 46.91 | 47.69 | 51.79 | 54.78 | 56.36 | 62.66 | 70.54 | 78.41 | 79.99 | 1.811 | 37 | 67 |
| 30.38 | 34.48 | 38.41 | 39.20 | 42.35 | 44.71 | 46.29 | 50.23 | 51.01 | 55.11 | 58.10 | 59.68 | 65.98 | 73.85 | 81.73 | 83.30 | 1.818 | 22 | 40 |
| 27.92 | 32.02 | 35.96 | 36.75 | 39.90 | 42.26 | 43.84 | 47.78 | 48.56 | 52.66 | 55.65 | 57.23 | 63.53 | 71.40 | 79.28 | 80.86 | 1.818 | 33 | 60 |
| 26.57 | 30.67 | 34.61 | 35.40 | 38.55 | 40.91 | 42.49 | 46.43 | 47.22 | 51.31 | 54.30 | 55.88 | 62.18 | 70.06 | 77.94 | 79.51 | 1.821 | 39 | 71 |
| 28.79 | 32.89 | 36.83 | 37.62 | 40.77 | 43.13 | 44.71 | 48.65 | 49.43 | 53.53 | 56.52 | 58.10 | 64.40 | 72.27 | 80.15 | 81.72 | 1.828 | 29 | 53 |
| 26.09 | 30.19 | 34.13 | 34.92 | 38.07 | 40.44 | 42.01 | 45.95 | 46.74 | 50.84 | 53.83 | 55.41 | 61.71 | 69.59 | 77.46 | 79.04 | 1.829 | 41 | 75 |
| 29.43 | 33.53 | 37.46 | 38.25 | 41.40 | 43.76 | 45.34 | 49.28 | 50.07 | 54.16 | 57.15 | 58.73 | 65.03 | 72.90 | 80.78 | 82.36 | 1.846 | 26 | 48 |
| 29.19 | 33.29 | 37.22 | 38.01 | 41.17 | 43.53 | 45.10 | 49.04 | 49.83 | 53.92 | 56.92 | 58.49 | 64.79 | 72.67 | 80.54 | 82.12 | 1.852 | 27 | 50 |
| 27.60 | 31.70 | 35.64 | 36.43 | 39.58 | 41.94 | 43.52 | 47.46 | 48.25 | 52.34 | 55.33 | 56.91 | 63.21 | 71.09 | 78.96 | 80.54 | 1.853 | 34 | 63 |
| 27.12 | 31.22 | 35.16 | 35.95 | 39.10 | 41.47 | 43.04 | 46.98 | 47.77 | 51.87 | 54.86 | 56.43 | 62.74 | 70.61 | 78.49 | 80.06 | 1.861 | 36 | 67 |
| 30.30 | 34.40 | 38.33 | 39.12 | 42.27 | 44.63 | 46.21 | 50.15 | 50.94 | 55.03 | 58.02 | 59.60 | 65.90 | 73.77 | 81.65 | 83.22 | 1.864 | 22 | 41 |
| 28.47 | 32.57 | 36.51 | 37.30 | 40.45 | 42.81 | 44.39 | 48.33 | 49.12 | 53.21 | 56.20 | 57.78 | 64.08 | 71.96 | 79.83 | 81.41 | 1.867 | 30 | 56 |
| 21.57 | 25.69 | 29.65 | 30.44 | 33.60 | 35.97 | 37.55 | 41.49 | 42.28 | 46.38 | 49.38 | 50.95 | 57.26 | 65.14 | 73.03 | 74.60 | 1.867 | 60 | 112 |
| 18.05 | 22.20 | 26.17 | 26.97 | 30.14 | 32.51 | 34.09 | 38.05 | 38.84 | 42.95 | 45.95 | 47.52 | 53.84 | 61.72 | 69.61 | 71.19 | 1.867 | 75 | 140 |
| 26.64 | 30.74 | 34.68 | 35.47 | 38.63 | 40.99 | 42.57 | 46.51 | 47.29 | 51.39 | 54.38 | 55.96 | 62.26 | 70.14 | 78.01 | 79.59 | 1.868 | 38 | 71 |
| 28.00 | 32.10 | 36.03 | 36.82 | 39.98 | 42.34 | 43.91 | 47.86 | 48.64 | 52.74 | 55.73 | 57.30 | 63.61 | 71.48 | 79.36 | 80.93 | 1.875 | 32 | 60 |
| 26.16 | 30.26 | 34.21 | 35.00 | 38.15 | 40.51 | 42.09 | 46.03 | 46.82 | 50.91 | 53.91 | 55.48 | 61.79 | 69.66 | 77.54 | 79.12 | 1.875 | 40 | 75 |
| 24.32 | 28.43 | 32.37 | 33.16 | 36.32 | 38.68 | 40.26 | 44.20 | 44.99 | 49.09 | 52.08 | 53.66 | 59.96 | 67.84 | 75.72 | 77.30 | 1.875 | 48 | 90 |
| 1.18 | 1.22 | 1.26 | 1.26 | 1.29 | 1.31 | 1.32 | 1.35 | 1.36 | 1.38 | 1.40 | 1.41 | 1.45 | 1.49 | 1.52 | 1.53 | Length Factor* | | |

* This length factor must be used to determine the proper belt width.

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

# QT Power Chain® II Carbon Drive Selection

## 8mm Pre-Engineered Drive Selection Table

| Sprocket Combinations | | | | | Center Distance (in) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DriveR | | DriveN | | | 8MPCC-640 P.L. 25.20 80 Teeth | 8MPCC-720 P.L. 28.35 90 Teeth | 8MPCC-800 P.L. 31.50 100 Teeth | 8MPCC-896 P.L. 35.28 112 Teeth | 8MPCC-960 P.L. 37.80 120 Teeth | 8MPCC-1000 P.L. 39.37 125 Teeth | 8MPCC-1040 P.L. 40.94 130 Teeth | 8MPCC-1120 P.L. 44.09 140 Teeth | 8MPCC-1200 P.L. 47.24 150 Teeth | 8MPCC-1224 P.L. 48.19 153 Teeth | 8MPCC-1280 P.L. 50.39 160 Teeth | 8MPCC-1440 P.L. 56.69 180 Teeth | 8MPCC-1600 P.L. 62.99 200 Teeth | 8MPCC-1760 P.L. 69.29 220 Teeth |
| Number of Grooves | Pitch Diameter (inches) | Number of Grooves | Pitch Diameter (inches) | Speed Ratio | | | | | | | | | | | | | | |
| 28 | 2.807 | 53 | 5.314 | 1.893 | 6.09 | 7.69 | 9.29 | 11.19 | 12.46 | 13.25 | 14.04 | 15.62 | 17.20 | 17.67 | 18.77 | 21.93 | 25.09 | 28.24 |
| 42 | 4.211 | 80 | 8.020 | 1.905 | | | | 7.80 | 9.09 | 9.89 | 10.69 | 12.29 | 13.88 | 14.36 | 15.47 | 18.64 | 21.81 | 24.97 |
| 22 | 2.206 | 42 | 4.211 | 1.909 | 7.49 | 9.08 | 10.66 | 12.56 | 13.82 | 14.61 | 15.40 | 16.98 | 18.55 | 19.03 | 20.13 | 23.28 | 26.44 | 29.59 |
| 33 | 3.308 | 63 | 6.316 | 1.909 | | 6.44 | 8.05 | 9.97 | 11.24 | 12.03 | 12.82 | 14.41 | 15.99 | 16.47 | 17.57 | 20.73 | 23.89 | 27.04 |
| 35 | 3.509 | 67 | 6.717 | 1.914 | | 5.93 | 7.55 | 9.47 | 10.75 | 11.54 | 12.33 | 13.92 | 15.51 | 15.98 | 17.09 | 20.25 | 23.41 | 26.57 |
| 37 | 3.709 | 71 | 7.118 | 1.919 | | | 7.04 | 8.97 | 10.25 | 11.05 | 11.84 | 13.43 | 15.02 | 15.50 | 16.60 | 19.77 | 22.93 | 26.09 |
| 25 | 2.506 | 48 | 4.812 | 1.920 | 6.75 | 8.35 | 9.94 | 11.84 | 13.10 | 13.89 | 14.68 | 16.26 | 17.84 | 18.31 | 19.41 | 22.57 | 25.72 | 28.87 |
| 26 | 2.607 | 50 | 5.013 | 1.923 | 6.50 | 8.10 | 9.69 | 11.59 | 12.86 | 13.65 | 14.44 | 16.02 | 17.59 | 18.07 | 19.17 | 22.33 | 25.48 | 28.63 |
| 39 | 3.910 | 75 | 7.519 | 1.923 | | | 6.52 | 8.47 | 9.76 | 10.55 | 11.35 | 12.94 | 14.53 | 15.01 | 16.12 | 19.28 | 22.45 | 25.61 |
| 29 | 2.907 | 56 | 5.614 | 1.931 | 5.75 | 7.36 | 8.96 | 10.86 | 12.13 | 12.92 | 13.71 | 15.29 | 16.87 | 17.35 | 18.45 | 21.61 | 24.77 | 27.92 |
| 31 | 3.108 | 60 | 6.015 | 1.935 | 5.23 | 6.86 | 8.46 | 10.37 | 11.64 | 12.43 | 13.22 | 14.81 | 16.39 | 16.87 | 17.97 | 21.13 | 24.29 | 27.44 |
| 41 | 4.110 | 80 | 8.020 | 1.951 | | | | 7.87 | 9.16 | 9.97 | 10.77 | 12.36 | 13.96 | 14.44 | 15.55 | 18.72 | 21.88 | 25.04 |
| 27 | 2.707 | 53 | 5.314 | 1.963 | 6.16 | 7.77 | 9.36 | 11.26 | 12.53 | 13.32 | 14.11 | 15.69 | 17.27 | 17.75 | 18.85 | 22.01 | 25.16 | 28.32 |
| 32 | 3.208 | 63 | 6.316 | 1.969 | | 6.51 | 8.12 | 10.04 | 11.31 | 12.10 | 12.90 | 14.48 | 16.06 | 16.54 | 17.65 | 20.81 | 23.96 | 27.12 |
| 34 | 3.409 | 67 | 6.717 | 1.971 | | 5.99 | 7.62 | 9.54 | 10.82 | 11.61 | 12.41 | 13.99 | 15.58 | 16.06 | 17.16 | 20.32 | 23.48 | 26.64 |
| 36 | 3.609 | 71 | 7.118 | 1.972 | | | 7.11 | 9.04 | 10.33 | 11.12 | 11.92 | 13.51 | 15.09 | 15.57 | 16.68 | 19.84 | 23.00 | 26.16 |
| 71 | 7.118 | 140 | 14.036 | 1.972 | | | | | | | | | | | | 11.19 | 14.47 | 17.69 |
| 38 | 3.810 | 75 | 7.519 | 1.974 | | | 6.59 | 8.54 | 9.83 | 10.62 | 11.42 | 13.01 | 14.60 | 15.08 | 16.19 | 19.36 | 22.52 | 25.68 |
| 25 | 2.506 | 50 | 5.013 | 2.000 | 6.57 | 8.17 | 9.76 | 11.67 | 12.93 | 13.72 | 14.51 | 16.09 | 17.67 | 18.15 | 19.25 | 22.40 | 25.56 | 28.71 |
| 28 | 2.807 | 56 | 5.614 | 2.000 | 5.82 | 7.43 | 9.03 | 10.94 | 12.21 | 13.00 | 13.78 | 15.37 | 16.95 | 17.42 | 18.53 | 21.69 | 24.84 | 28.00 |
| 30 | 3.008 | 60 | 6.015 | 2.000 | 5.30 | 6.92 | 8.53 | 10.44 | 11.72 | 12.51 | 13.30 | 14.88 | 16.46 | 16.94 | 18.05 | 21.21 | 24.36 | 27.52 |
| 40 | 4.010 | 80 | 8.020 | 2.000 | | | | 7.94 | 9.23 | 10.04 | 10.84 | 12.43 | 14.03 | 14.51 | 15.62 | 18.79 | 21.96 | 25.12 |
| 45 | 4.511 | 90 | 9.023 | 2.000 | | | | | 7.95 | 8.76 | 9.57 | 11.19 | 12.79 | 13.27 | 14.39 | 17.57 | 20.74 | 23.91 |
| 56 | 5.614 | 112 | 11.229 | 2.000 | | | | | | | | | 9.99 | 10.49 | 11.63 | 14.85 | 18.05 | 21.23 |
| 37 | 3.709 | 75 | 7.519 | 2.027 | | | 6.66 | 8.61 | 9.90 | 10.70 | 11.49 | 13.09 | 14.68 | 15.16 | 16.26 | 19.43 | 22.60 | 25.76 |
| 35 | 3.509 | 71 | 7.118 | 2.029 | | | 7.18 | 9.11 | 10.40 | 11.19 | 11.99 | 13.58 | 15.17 | 15.64 | 16.75 | 19.92 | 23.08 | 26.24 |
| 33 | 3.308 | 67 | 6.717 | 2.030 | | 6.06 | 7.69 | 9.61 | 10.89 | 11.69 | 12.48 | 14.07 | 15.65 | 16.13 | 17.24 | 20.40 | 23.56 | 26.72 |
| 31 | 3.108 | 63 | 6.316 | 2.032 | | 6.58 | 8.19 | 10.11 | 11.39 | 12.18 | 12.97 | 14.55 | 16.14 | 16.62 | 17.72 | 20.88 | 24.04 | 27.20 |
| 26 | 2.607 | 53 | 5.314 | 2.038 | 6.23 | 7.84 | 9.43 | 11.34 | 12.61 | 13.40 | 14.18 | 15.77 | 17.35 | 17.82 | 18.93 | 22.08 | 25.24 | 28.39 |
| 22 | 2.206 | 45 | 4.511 | 2.045 | 7.23 | 8.82 | 10.41 | 12.31 | 13.58 | 14.36 | 15.15 | 16.73 | 18.31 | 18.78 | 19.89 | 23.04 | 26.19 | 29.35 |
| 39 | 3.910 | 80 | 8.020 | 2.051 | | | | 8.00 | 9.30 | 10.11 | 10.91 | 12.51 | 14.10 | 14.58 | 15.69 | 18.86 | 22.03 | 25.19 |
| 29 | 2.907 | 60 | 6.015 | 2.069 | 5.37 | 6.99 | 8.60 | 10.52 | 11.79 | 12.58 | 13.37 | 14.96 | 16.54 | 17.02 | 18.12 | 21.28 | 24.44 | 27.59 |
| 27 | 2.707 | 56 | 5.614 | 2.074 | 5.88 | 7.50 | 9.10 | 11.01 | 12.28 | 13.07 | 13.86 | 15.44 | 17.02 | 17.50 | 18.60 | 21.76 | 24.92 | 28.07 |
| 36 | 3.609 | 75 | 7.519 | 2.083 | | | 6.72 | 8.68 | 9.97 | 10.77 | 11.56 | 13.16 | 14.75 | 15.23 | 16.34 | 19.51 | 22.67 | 25.83 |
| 34 | 3.409 | 71 | 7.118 | 2.088 | | | 7.24 | 9.18 | 10.47 | 11.26 | 12.06 | 13.65 | 15.24 | 15.72 | 16.82 | 19.99 | 23.15 | 26.31 |
| 67 | 6.717 | 140 | 14.036 | 2.090 | | | | | | | | | | | | 11.46 | 14.74 | 17.97 |
| 32 | 3.208 | 67 | 6.717 | 2.094 | | 6.13 | 7.76 | 9.69 | 10.96 | 11.76 | 12.55 | 14.14 | 15.73 | 16.20 | 17.31 | 20.47 | 23.63 | 26.79 |
| 30 | 3.008 | 63 | 6.316 | 2.100 | | 6.65 | 8.26 | 10.18 | 11.46 | 12.25 | 13.04 | 14.63 | 16.21 | 16.69 | 17.80 | 20.96 | 24.12 | 27.27 |
| 38 | 3.810 | 80 | 8.020 | 2.105 | | | | 8.07 | 9.37 | 10.18 | 10.98 | 12.58 | 14.17 | 14.65 | 15.76 | 18.94 | 22.10 | 25.27 |
| 53 | 5.314 | 112 | 11.229 | 2.113 | | | | | | | | | 10.20 | 10.69 | 11.83 | 15.06 | 18.26 | 21.45 |
| 25 | 2.506 | 53 | 5.314 | 2.120 | 6.30 | 7.91 | 9.50 | 11.41 | 12.68 | 13.47 | 14.26 | 15.84 | 17.42 | 17.90 | 19.00 | 22.16 | 25.31 | 28.47 |
| 28 | 2.807 | 60 | 6.015 | 2.143 | 5.43 | 7.06 | 8.67 | 10.59 | 11.86 | 12.65 | 13.45 | 15.03 | 16.61 | 17.09 | 18.20 | 21.36 | 24.51 | 27.67 |
| 35 | 3.509 | 75 | 7.519 | 2.143 | | | 6.79 | 8.75 | 10.04 | 10.84 | 11.64 | 13.23 | 14.82 | 15.30 | 16.41 | 19.58 | 22.75 | 25.91 |
| 42 | 4.211 | 90 | 9.023 | 2.143 | | | | | 8.15 | 8.97 | 9.78 | 11.40 | 13.00 | 13.49 | 14.60 | 17.79 | 20.96 | 24.13 |
| 33 | 3.308 | 71 | 7.118 | 2.152 | | | 7.31 | 9.25 | 10.54 | 11.34 | 12.13 | 13.72 | 15.31 | 15.79 | 16.90 | 20.07 | 23.23 | 26.39 |
| 26 | 2.607 | 56 | 5.614 | 2.154 | 5.95 | 7.57 | 9.17 | 11.08 | 12.35 | 13.14 | 13.93 | 15.52 | 17.10 | 17.57 | 18.68 | 21.84 | 24.99 | 28.15 |
| 31 | 3.108 | 67 | 6.717 | 2.161 | | 6.19 | 7.82 | 9.76 | 11.04 | 11.83 | 12.62 | 14.21 | 15.80 | 16.28 | 17.38 | 20.55 | 23.71 | 26.87 |
| 37 | 3.709 | 80 | 8.020 | 2.162 | | | | 8.14 | 9.44 | 10.25 | 11.05 | 12.65 | 14.24 | 14.73 | 15.84 | 19.01 | 22.18 | 25.34 |
| 29 | 2.907 | 63 | 6.316 | 2.172 | | 6.71 | 8.33 | 10.25 | 11.53 | 12.32 | 13.12 | 14.70 | 16.29 | 16.76 | 17.87 | 21.03 | 24.19 | 27.35 |
| 22 | 2.206 | 48 | 4.812 | 2.182 | 6.97 | 8.56 | 10.15 | 12.06 | 13.32 | 14.11 | 14.90 | 16.48 | 18.06 | 18.54 | 19.64 | 22.80 | 25.95 | 29.10 |
| 41 | 4.110 | 90 | 9.023 | 2.195 | | | | 6.88 | 8.22 | 9.03 | 9.85 | 11.47 | 13.07 | 13.56 | 14.67 | 17.86 | 21.04 | 24.21 |
| 34 | 3.409 | 75 | 7.519 | 2.206 | | | 6.86 | 8.82 | 10.11 | 10.91 | 11.71 | 13.30 | 14.90 | 15.37 | 16.48 | 19.65 | 22.82 | 25.98 |
| 32 | 3.208 | 71 | 7.118 | 2.219 | | 5.73 | 7.38 | 9.32 | 10.61 | 11.41 | 12.20 | 13.80 | 15.39 | 15.86 | 16.97 | 20.14 | 23.30 | 26.46 |
| 27 | 2.707 | 60 | 6.015 | 2.222 | 5.50 | 7.13 | 8.74 | 10.66 | 11.93 | 12.73 | 13.52 | 15.10 | 16.69 | 17.17 | 18.27 | 21.43 | 24.59 | 27.75 |
| 36 | 3.609 | 80 | 8.020 | 2.222 | | | | 8.21 | 9.51 | 10.31 | 11.12 | 12.72 | 14.32 | 14.80 | 15.91 | 19.08 | 22.25 | 25.42 |
| 63 | 6.316 | 140 | 14.036 | 2.222 | | | | | | | | | | | | 11.72 | 15.01 | 18.25 |
| 30 | 3.008 | 67 | 6.717 | 2.233 | | 6.26 | 7.89 | 9.83 | 11.11 | 11.90 | 12.70 | 14.29 | 15.87 | 16.35 | 17.46 | 20.62 | 23.78 | 26.94 |
| 25 | 2.506 | 56 | 5.614 | 2.240 | 6.02 | 7.64 | 9.24 | 11.15 | 12.43 | 13.22 | 14.01 | 15.59 | 17.17 | 17.65 | 18.75 | 21.91 | 25.07 | 28.22 |
| 50 | 5.013 | 112 | 11.229 | 2.240 | | | | | | | | 8.73 | 10.40 | 10.89 | 12.03 | 15.27 | 18.48 | 21.67 |
| 28 | 2.807 | 63 | 6.316 | 2.250 | 5.13 | 6.78 | 8.40 | 10.33 | 11.60 | 12.40 | 13.19 | 14.78 | 16.36 | 16.84 | 17.94 | 21.11 | 24.27 | 27.42 |
| 40 | 4.010 | 90 | 9.023 | 2.250 | | | | 6.95 | 8.28 | 9.10 | 9.92 | 11.54 | 13.14 | 13.63 | 14.75 | 17.93 | 21.11 | 24.28 |
| 80 | 8.020 | 180 | 18.046 | 2.250 | | | | | | | | | | | | | | |
| 22 | 2.206 | 50 | 5.013 | 2.273 | 6.78 | 8.39 | 9.98 | 11.89 | 13.16 | 13.94 | 14.73 | 16.31 | 17.90 | 18.37 | 19.47 | 22.63 | 25.79 | 28.94 |
| 33 | 3.308 | 75 | 7.519 | 2.273 | | | 6.92 | 8.89 | 10.18 | 10.98 | 11.78 | 13.38 | 14.97 | 15.45 | 16.56 | 19.73 | 22.89 | 26.06 |
| 35 | 3.509 | 80 | 8.020 | 2.286 | | | 6.29 | 8.28 | 9.58 | 10.38 | 11.19 | 12.79 | 14.39 | 14.87 | 15.98 | 19.16 | 22.33 | 25.49 |
| 31 | 3.108 | 71 | 7.118 | 2.290 | | 5.79 | 7.45 | 9.39 | 10.68 | 11.48 | 12.27 | 13.87 | 15.46 | 15.94 | 17.05 | 20.21 | 23.38 | 26.54 |
| 26 | 2.607 | 60 | 6.015 | 2.308 | 5.57 | 7.20 | 8.81 | 10.73 | 12.01 | 12.80 | 13.59 | 15.18 | 16.76 | 17.24 | 18.34 | 21.51 | 24.66 | 27.82 |
| 39 | 3.910 | 90 | 9.023 | 2.308 | | | | 7.01 | 8.35 | 9.17 | 9.98 | 11.60 | 13.21 | 13.70 | 14.82 | 18.01 | 21.18 | 24.35 |
| 29 | 2.907 | 67 | 6.717 | 2.310 | | 6.33 | 7.96 | 9.90 | 11.18 | 11.97 | 12.77 | 14.36 | 15.95 | 16.43 | 17.53 | 20.70 | 23.86 | 27.02 |
| 27 | 2.707 | 63 | 6.316 | 2.333 | 5.20 | 6.85 | 8.47 | 10.40 | 11.67 | 12.47 | 13.26 | 14.85 | 16.43 | 16.91 | 18.02 | 21.18 | 24.34 | 27.50 |
| 48 | 4.812 | 112 | 11.229 | 2.333 | | | | | | | | 8.86 | 10.53 | 11.03 | 12.17 | 15.41 | 18.62 | 21.81 |
| 60 | 6.015 | 140 | 14.036 | 2.333 | | | | | | | | | | | | 11.92 | 15.22 | 18.46 |
| 32 | 3.208 | 75 | 7.519 | 2.344 | | | 6.99 | 8.95 | 10.25 | 11.05 | 11.85 | 13.45 | 15.04 | 15.52 | 16.63 | 19.80 | 22.97 | 26.13 |
| 34 | 3.409 | 80 | 8.020 | 2.353 | | | 6.35 | 8.34 | 9.65 | 10.45 | 11.26 | 12.86 | 14.46 | 14.94 | 16.05 | 19.23 | 22.40 | 25.56 |
| 30 | 3.008 | 71 | 7.118 | 2.367 | | 5.86 | 7.51 | 9.46 | 10.75 | 11.55 | 12.35 | 13.94 | 15.53 | 16.01 | 17.12 | 20.29 | 23.45 | 26.61 |
| 38 | 3.810 | 90 | 9.023 | 2.368 | | | | 7.08 | 8.41 | 9.24 | 10.05 | 11.67 | 13.28 | 13.77 | 14.89 | 18.08 | 21.26 | 24.43 |
| 28 | 2.807 | 67 | 6.717 | 2.393 | | 6.39 | 8.03 | 9.97 | 11.25 | 12.05 | 12.84 | 14.43 | 16.02 | 16.50 | 17.61 | 20.77 | 23.93 | 27.09 |
| Length Factor* | | | | | 0.79 | 0.83 | 0.87 | 0.91 | 0.94 | 0.96 | 0.97 | 1.00 | 1.03 | 1.03 | 1.05 | 1.10 | 1.14 | 1.17 |

* This length factor must be used to determine the proper belt width.

## 8mm Pre-Engineered Drive Selection Table

| Center Distance (in) | | | | | | | | | | | | | | | | | Speed Ratio | Sprocket Combinations | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8MPCC-1792 P.L. 70.55 224 Teeth | 8MPCC-2000 P.L. 78.74 250 Teeth | 8MPCC-2200 P.L. 86.61 275 Teeth | 8MPCC-2240 P.L. 88.19 280 Teeth | 8MPCC-2400 P.L. 94.49 300 Teeth | 8MPCC-2520 P.L. 99.21 315 Teeth | 8MPCC-2600 P.L. 102.36 325 Teeth | 8MPCC-2800 P.L. 110.24 350 Teeth | 8MPCC-2840 P.L. 111.81 355 Teeth | 8MPCC-3048 P.L. 120.00 381 Teeth | 8MPCC-3200 P.L. 125.98 400 Teeth | 8MPCC-3280 P.L. 129.13 410 Teeth | 8MPCC-3600 P.L. 141.73 450 Teeth | 8MPCC-4000 P.L. 157.48 500 Teeth | 8MPCC-4400 P.L. 173.23 550 Teeth | 8MPCC-4480 P.L. 176.38 560 Teeth | | DriveR Number of Grooves | DriveN Number of Grooves |
| 28.87 | 32.97 | 36.91 | 37.70 | 40.85 | 43.21 | 44.78 | 48.73 | 49.51 | 53.61 | 56.60 | 58.17 | 64.47 | 72.35 | 80.23 | 81.80 | 1.893 | 28 | 53 |
| 25.60 | 29.70 | 33.64 | 34.44 | 37.59 | 39.95 | 41.53 | 45.47 | 46.26 | 50.36 | 53.35 | 54.93 | 61.23 | 69.11 | 76.99 | 78.56 | 1.905 | 42 | 80 |
| 30.22 | 34.32 | 38.25 | 39.04 | 42.19 | 44.55 | 46.13 | 50.07 | 50.86 | 54.95 | 57.94 | 59.52 | 65.82 | 73.69 | 81.57 | 83.14 | 1.909 | 22 | 42 |
| 27.68 | 31.78 | 35.71 | 36.51 | 39.66 | 42.02 | 43.60 | 47.54 | 48.32 | 52.42 | 55.41 | 56.99 | 63.29 | 71.17 | 79.04 | 80.62 | 1.909 | 33 | 63 |
| 27.20 | 31.30 | 35.24 | 36.03 | 39.18 | 41.54 | 43.12 | 47.06 | 47.85 | 51.94 | 54.94 | 56.51 | 62.81 | 70.69 | 78.57 | 80.14 | 1.914 | 35 | 67 |
| 26.72 | 30.82 | 34.76 | 35.55 | 38.70 | 41.07 | 42.64 | 46.59 | 47.37 | 51.47 | 54.46 | 56.04 | 62.34 | 70.22 | 78.09 | 79.67 | 1.919 | 37 | 71 |
| 29.50 | 33.60 | 37.54 | 38.33 | 41.48 | 43.84 | 45.42 | 49.36 | 50.14 | 54.24 | 57.23 | 58.81 | 65.11 | 72.98 | 80.86 | 82.43 | 1.920 | 25 | 48 |
| 29.27 | 33.36 | 37.30 | 38.09 | 41.24 | 43.60 | 45.18 | 49.12 | 49.91 | 54.00 | 56.99 | 58.57 | 64.87 | 72.75 | 80.62 | 82.20 | 1.923 | 26 | 50 |
| 26.24 | 30.34 | 34.28 | 35.07 | 38.23 | 40.59 | 42.17 | 46.11 | 46.89 | 50.99 | 53.98 | 55.56 | 61.86 | 69.74 | 77.62 | 79.19 | 1.923 | 39 | 75 |
| 28.55 | 32.65 | 36.59 | 37.38 | 40.53 | 42.89 | 44.47 | 48.41 | 49.19 | 53.29 | 56.28 | 57.86 | 64.16 | 72.03 | 79.91 | 81.49 | 1.931 | 29 | 56 |
| 28.07 | 32.17 | 36.11 | 36.90 | 40.05 | 42.41 | 43.99 | 47.93 | 48.72 | 52.81 | 55.81 | 57.38 | 63.68 | 71.56 | 79.44 | 81.01 | 1.935 | 31 | 60 |
| 25.67 | 29.78 | 33.72 | 34.51 | 37.67 | 40.03 | 41.61 | 45.55 | 46.34 | 50.44 | 53.43 | 55.00 | 61.31 | 69.19 | 77.06 | 78.64 | 1.951 | 41 | 80 |
| 28.95 | 33.04 | 36.98 | 37.77 | 40.92 | 43.29 | 44.86 | 48.80 | 49.59 | 53.68 | 56.68 | 58.25 | 64.55 | 72.43 | 80.30 | 81.88 | 1.963 | 27 | 53 |
| 27.75 | 31.85 | 35.79 | 36.58 | 39.73 | 42.10 | 43.67 | 47.61 | 48.40 | 52.50 | 55.49 | 57.06 | 63.37 | 71.24 | 79.12 | 80.69 | 1.969 | 32 | 63 |
| 27.27 | 31.37 | 35.31 | 36.10 | 39.26 | 41.62 | 43.20 | 47.14 | 47.92 | 52.02 | 55.01 | 56.59 | 62.89 | 70.77 | 78.64 | 80.22 | 1.971 | 34 | 67 |
| 26.79 | 30.90 | 34.84 | 35.63 | 38.78 | 41.14 | 42.72 | 46.66 | 47.45 | 51.55 | 54.54 | 56.11 | 62.42 | 70.29 | 78.17 | 79.75 | 1.972 | 36 | 71 |
| 18.33 | 22.49 | 26.46 | 27.26 | 30.43 | 32.81 | 34.39 | 38.35 | 39.14 | 43.25 | 46.25 | 47.83 | 54.14 | 62.03 | 69.92 | 71.49 | 1.972 | 71 | 140 |
| 26.31 | 30.42 | 34.36 | 35.15 | 38.30 | 40.66 | 42.24 | 46.18 | 46.97 | 51.07 | 54.06 | 55.64 | 61.94 | 69.82 | 77.70 | 79.27 | 1.974 | 38 | 75 |
| 29.34 | 33.44 | 37.38 | 38.17 | 41.32 | 43.68 | 45.26 | 49.20 | 49.98 | 54.08 | 57.07 | 58.65 | 64.95 | 72.82 | 80.70 | 82.28 | 2.000 | 25 | 50 |
| 28.63 | 32.73 | 36.66 | 37.45 | 40.61 | 42.97 | 44.54 | 48.49 | 49.27 | 53.37 | 56.36 | 57.93 | 64.24 | 72.11 | 79.99 | 81.56 | 2.000 | 28 | 56 |
| 28.15 | 32.25 | 36.19 | 36.98 | 40.13 | 42.49 | 44.07 | 48.01 | 48.80 | 52.89 | 55.88 | 57.46 | 63.76 | 71.64 | 79.51 | 81.09 | 2.000 | 30 | 60 |
| 25.75 | 29.85 | 33.80 | 34.59 | 37.74 | 40.11 | 41.68 | 45.63 | 46.41 | 50.51 | 53.50 | 55.08 | 61.38 | 69.26 | 77.14 | 78.72 | 2.000 | 40 | 80 |
| 24.54 | 28.65 | 32.60 | 33.39 | 36.55 | 38.91 | 40.49 | 44.43 | 45.22 | 49.32 | 52.31 | 53.89 | 60.19 | 68.07 | 75.95 | 77.53 | 2.000 | 45 | 90 |
| 21.87 | 25.99 | 29.94 | 30.74 | 33.90 | 36.27 | 37.85 | 41.80 | 42.58 | 46.69 | 49.68 | 51.26 | 57.57 | 65.45 | 73.33 | 74.91 | 2.000 | 56 | 112 |
| 26.39 | 30.49 | 34.43 | 35.23 | 38.38 | 40.74 | 42.32 | 46.26 | 47.05 | 51.15 | 54.14 | 55.71 | 62.02 | 69.90 | 77.77 | 79.35 | 2.027 | 37 | 75 |
| 26.87 | 30.97 | 34.91 | 35.70 | 38.86 | 41.22 | 42.80 | 46.74 | 47.52 | 51.62 | 54.61 | 56.19 | 62.49 | 70.37 | 78.25 | 79.82 | 2.029 | 35 | 71 |
| 27.35 | 31.45 | 35.39 | 36.18 | 39.33 | 41.70 | 43.27 | 47.22 | 48.00 | 52.10 | 55.09 | 56.67 | 62.97 | 70.85 | 78.72 | 80.30 | 2.030 | 33 | 67 |
| 27.83 | 31.93 | 35.87 | 36.66 | 39.81 | 42.17 | 43.75 | 47.69 | 48.48 | 52.57 | 55.57 | 57.14 | 63.44 | 71.32 | 79.20 | 80.77 | 2.032 | 31 | 63 |
| 29.02 | 33.12 | 37.06 | 37.85 | 41.00 | 43.36 | 44.94 | 48.88 | 49.67 | 53.76 | 56.75 | 58.33 | 64.63 | 72.51 | 80.38 | 81.96 | 2.038 | 26 | 53 |
| 29.98 | 34.07 | 38.01 | 38.80 | 41.95 | 44.31 | 45.89 | 49.83 | 50.62 | 54.71 | 57.70 | 59.28 | 65.58 | 73.46 | 81.33 | 82.91 | 2.045 | 22 | 45 |
| 25.82 | 29.93 | 33.87 | 34.66 | 37.82 | 40.18 | 41.76 | 45.70 | 46.49 | 50.59 | 53.58 | 55.16 | 61.46 | 69.34 | 77.22 | 78.79 | 2.051 | 39 | 80 |
| 28.22 | 32.33 | 36.26 | 37.06 | 40.21 | 42.57 | 44.15 | 48.09 | 48.87 | 52.97 | 55.96 | 57.54 | 63.84 | 71.72 | 79.59 | 81.17 | 2.069 | 29 | 60 |
| 28.70 | 32.80 | 36.74 | 37.53 | 40.68 | 43.05 | 44.62 | 48.56 | 49.35 | 53.44 | 56.44 | 58.01 | 64.31 | 72.19 | 80.07 | 81.64 | 2.074 | 27 | 56 |
| 26.46 | 30.57 | 34.51 | 35.30 | 38.46 | 40.82 | 42.40 | 46.34 | 47.12 | 51.22 | 54.21 | 55.79 | 62.09 | 69.97 | 77.85 | 79.43 | 2.083 | 36 | 75 |
| 26.94 | 31.05 | 34.99 | 35.78 | 38.93 | 41.30 | 42.87 | 46.82 | 47.60 | 51.70 | 54.69 | 56.27 | 62.57 | 70.45 | 78.33 | 79.90 | 2.088 | 34 | 71 |
| 18.61 | 22.78 | 26.75 | 27.55 | 30.73 | 33.10 | 34.69 | 38.65 | 39.44 | 43.55 | 46.55 | 48.13 | 54.44 | 62.33 | 70.22 | 71.80 | 2.090 | 67 | 140 |
| 27.42 | 31.53 | 35.47 | 36.26 | 39.41 | 41.77 | 43.35 | 47.29 | 48.08 | 52.18 | 55.17 | 56.74 | 63.05 | 70.92 | 78.80 | 80.38 | 2.094 | 32 | 67 |
| 27.90 | 32.00 | 35.94 | 36.73 | 39.89 | 42.25 | 43.83 | 47.77 | 48.55 | 52.65 | 55.64 | 57.22 | 63.52 | 71.40 | 79.27 | 80.85 | 2.100 | 30 | 63 |
| 25.90 | 30.00 | 33.95 | 34.74 | 37.90 | 40.26 | 41.84 | 45.78 | 46.57 | 50.67 | 53.66 | 55.23 | 61.54 | 69.42 | 77.30 | 78.87 | 2.105 | 38 | 80 |
| 22.08 | 26.21 | 30.17 | 30.96 | 34.12 | 36.49 | 38.07 | 42.02 | 42.81 | 46.91 | 49.91 | 51.49 | 57.80 | 65.68 | 73.56 | 75.14 | 2.113 | 53 | 112 |
| 29.10 | 33.20 | 37.14 | 37.93 | 41.08 | 43.44 | 45.02 | 48.96 | 49.74 | 53.84 | 56.83 | 58.41 | 64.71 | 72.58 | 80.46 | 82.04 | 2.120 | 25 | 53 |
| 28.30 | 32.40 | 36.34 | 37.13 | 40.28 | 42.65 | 44.22 | 48.16 | 48.95 | 53.05 | 56.04 | 57.61 | 63.92 | 71.79 | 79.67 | 81.25 | 2.143 | 28 | 60 |
| 26.54 | 30.64 | 34.59 | 35.38 | 38.53 | 40.89 | 42.47 | 46.42 | 47.20 | 51.30 | 54.29 | 55.87 | 62.17 | 70.05 | 77.93 | 79.50 | 2.143 | 35 | 75 |
| 24.76 | 28.88 | 32.82 | 33.61 | 36.77 | 39.14 | 40.71 | 44.66 | 45.45 | 49.55 | 52.54 | 54.12 | 60.42 | 68.30 | 76.18 | 77.76 | 2.143 | 42 | 90 |
| 27.02 | 31.12 | 35.06 | 35.86 | 39.01 | 41.37 | 42.95 | 46.89 | 47.68 | 51.78 | 54.77 | 56.34 | 62.65 | 70.53 | 78.40 | 79.98 | 2.152 | 33 | 71 |
| 28.78 | 32.88 | 36.82 | 37.61 | 40.76 | 43.12 | 44.70 | 48.64 | 49.43 | 53.52 | 56.51 | 58.09 | 64.39 | 72.27 | 80.14 | 81.72 | 2.154 | 26 | 56 |
| 27.50 | 31.60 | 35.54 | 36.33 | 39.49 | 41.85 | 43.43 | 47.37 | 48.15 | 52.25 | 55.24 | 56.82 | 63.12 | 71.00 | 78.88 | 80.45 | 2.161 | 31 | 67 |
| 25.97 | 30.08 | 34.02 | 34.82 | 37.97 | 40.34 | 41.91 | 45.86 | 46.64 | 50.74 | 53.73 | 55.31 | 61.62 | 69.49 | 77.37 | 78.95 | 2.162 | 37 | 80 |
| 27.98 | 32.08 | 36.02 | 36.81 | 39.96 | 42.33 | 43.90 | 47.85 | 48.63 | 52.73 | 55.72 | 57.30 | 63.60 | 71.48 | 79.35 | 80.93 | 2.172 | 29 | 63 |
| 29.73 | 33.83 | 37.77 | 38.56 | 41.71 | 44.07 | 45.65 | 49.59 | 50.38 | 54.47 | 57.46 | 59.04 | 65.34 | 73.22 | 81.09 | 82.67 | 2.182 | 22 | 48 |
| 24.84 | 28.95 | 32.90 | 33.69 | 36.85 | 39.21 | 40.79 | 44.74 | 45.52 | 49.62 | 52.62 | 54.19 | 60.50 | 68.38 | 76.26 | 77.84 | 2.195 | 41 | 90 |
| 26.61 | 30.72 | 34.66 | 35.45 | 38.61 | 40.97 | 42.55 | 46.49 | 47.28 | 51.38 | 54.37 | 55.94 | 62.25 | 70.13 | 78.01 | 79.58 | 2.206 | 34 | 75 |
| 27.09 | 31.20 | 35.14 | 35.93 | 39.09 | 41.45 | 43.03 | 46.97 | 47.75 | 51.85 | 54.85 | 56.42 | 62.72 | 70.60 | 78.48 | 80.06 | 2.219 | 32 | 71 |
| 28.38 | 32.48 | 36.42 | 37.21 | 40.36 | 42.72 | 44.30 | 48.24 | 49.03 | 53.12 | 56.12 | 57.69 | 63.99 | 71.87 | 79.75 | 81.32 | 2.222 | 27 | 60 |
| 26.05 | 30.16 | 34.10 | 34.89 | 38.05 | 40.41 | 41.99 | 45.93 | 46.72 | 50.82 | 53.81 | 55.39 | 61.69 | 69.57 | 77.45 | 79.03 | 2.222 | 36 | 80 |
| 18.89 | 23.06 | 27.04 | 27.84 | 31.02 | 33.40 | 34.98 | 38.94 | 39.73 | 43.85 | 46.85 | 48.43 | 54.74 | 62.64 | 70.52 | 72.10 | 2.222 | 63 | 140 |
| 27.57 | 31.68 | 35.62 | 36.41 | 39.56 | 41.93 | 43.50 | 47.45 | 48.23 | 52.33 | 55.32 | 56.90 | 63.20 | 71.08 | 78.96 | 80.53 | 2.233 | 30 | 67 |
| 28.86 | 32.96 | 36.89 | 37.69 | 40.84 | 43.20 | 44.78 | 48.72 | 49.50 | 53.60 | 56.59 | 58.17 | 64.47 | 72.35 | 80.22 | 81.80 | 2.240 | 25 | 56 |
| 22.30 | 26.43 | 30.39 | 31.18 | 34.35 | 36.72 | 38.30 | 42.25 | 43.04 | 47.14 | 50.14 | 51.72 | 58.03 | 65.91 | 73.79 | 75.37 | 2.240 | 50 | 112 |
| 28.05 | 32.16 | 36.10 | 36.89 | 40.04 | 42.40 | 43.98 | 47.92 | 48.71 | 52.81 | 55.80 | 57.37 | 63.68 | 71.55 | 79.43 | 81.01 | 2.250 | 28 | 63 |
| 24.91 | 29.03 | 32.97 | 33.77 | 36.92 | 39.29 | 40.87 | 44.81 | 45.60 | 49.70 | 52.69 | 54.27 | 60.58 | 68.46 | 76.34 | 77.91 | 2.250 | 40 | 90 |
| 13.89 | 18.20 | 22.27 | 23.08 | 26.29 | 28.69 | 30.29 | 34.28 | 35.07 | 39.21 | 42.22 | 43.81 | 50.14 | 58.05 | 65.95 | 67.53 | 2.250 | 80 | 180 |
| 29.57 | 33.67 | 37.61 | 38.40 | 41.55 | 43.91 | 45.49 | 49.43 | 50.22 | 54.31 | 57.30 | 58.88 | 65.18 | 73.06 | 80.93 | 82.51 | 2.273 | 22 | 50 |
| 26.69 | 30.79 | 34.74 | 35.53 | 38.68 | 41.05 | 42.62 | 46.57 | 47.35 | 51.45 | 54.45 | 56.02 | 62.33 | 70.20 | 78.08 | 79.66 | 2.273 | 33 | 75 |
| 26.12 | 30.23 | 34.18 | 34.97 | 38.12 | 40.49 | 42.06 | 46.01 | 46.80 | 50.90 | 53.89 | 55.46 | 61.77 | 69.65 | 77.53 | 79.10 | 2.286 | 35 | 80 |
| 27.17 | 31.27 | 35.22 | 36.01 | 39.16 | 41.53 | 43.10 | 47.05 | 47.83 | 51.93 | 54.92 | 56.50 | 62.80 | 70.68 | 78.56 | 80.13 | 2.290 | 31 | 71 |
| 28.45 | 32.55 | 36.49 | 37.28 | 40.44 | 42.80 | 44.38 | 48.32 | 49.10 | 53.20 | 56.19 | 57.77 | 64.07 | 71.95 | 79.83 | 81.40 | 2.308 | 26 | 60 |
| 24.99 | 29.10 | 33.05 | 33.84 | 37.00 | 39.36 | 40.94 | 44.89 | 45.68 | 49.78 | 52.77 | 54.35 | 60.65 | 68.53 | 76.41 | 77.99 | 2.308 | 39 | 90 |
| 27.65 | 31.75 | 35.70 | 36.49 | 39.64 | 42.00 | 43.58 | 47.52 | 48.31 | 52.41 | 55.40 | 56.97 | 63.28 | 71.16 | 79.03 | 80.61 | 2.310 | 29 | 67 |
| 28.13 | 32.23 | 36.17 | 36.96 | 40.12 | 42.48 | 44.06 | 48.00 | 48.78 | 52.88 | 55.87 | 57.45 | 63.75 | 71.63 | 79.51 | 81.08 | 2.333 | 27 | 63 |
| 22.45 | 26.58 | 30.54 | 31.33 | 34.50 | 36.87 | 38.45 | 42.40 | 43.19 | 47.29 | 50.29 | 51.87 | 58.18 | 66.06 | 73.95 | 75.52 | 2.333 | 48 | 112 |
| 19.10 | 23.28 | 27.26 | 28.06 | 31.24 | 33.62 | 35.20 | 39.17 | 39.96 | 44.07 | 47.07 | 48.65 | 54.97 | 62.86 | 70.75 | 72.33 | 2.333 | 60 | 140 |
| 26.76 | 30.87 | 34.81 | 35.60 | 38.76 | 41.12 | 42.70 | 46.65 | 47.43 | 51.53 | 54.52 | 56.10 | 62.40 | 70.28 | 78.16 | 79.74 | 2.344 | 32 | 75 |
| 26.20 | 30.31 | 34.25 | 35.04 | 38.20 | 40.56 | 42.14 | 46.09 | 46.87 | 50.97 | 53.96 | 55.54 | 61.85 | 69.73 | 77.60 | 79.18 | 2.353 | 34 | 80 |
| 27.24 | 31.35 | 35.29 | 36.08 | 39.24 | 41.60 | 43.18 | 47.12 | 47.91 | 52.01 | 55.00 | 56.57 | 62.88 | 70.76 | 78.64 | 80.21 | 2.367 | 30 | 71 |
| 25.06 | 29.17 | 33.12 | 33.92 | 37.07 | 39.44 | 41.02 | 44.97 | 45.75 | 49.85 | 52.85 | 54.42 | 60.73 | 68.61 | 76.49 | 78.07 | 2.368 | 38 | 90 |
| 27.73 | 31.83 | 35.77 | 36.56 | 39.72 | 42.08 | 43.66 | 47.60 | 48.39 | 52.48 | 55.48 | 57.05 | 63.35 | 71.23 | 79.11 | 80.69 | 2.393 | 28 | 67 |
| 1.18 | 1.22 | 1.26 | 1.26 | 1.29 | 1.31 | 1.32 | 1.35 | 1.36 | 1.38 | 1.40 | 1.41 | 1.45 | 1.49 | 1.52 | 1.53 | Length Factor* | | |

* This length factor must be used to determine the proper belt width.

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

# QT Power Chain® II Carbon Drive Selection

## 8mm Pre-Engineered Drive Selection Table

| Sprocket Combinations | | | | | Center Distance (in) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DriveR | | DriveN | | | | | | | | | | | | | | | |
| Number of Grooves | Pitch Diameter (inches) | Number of Grooves | Pitch Diameter (inches) | Speed Ratio | 8MPCC-640 P.L. 25.20 80 Teeth | 8MPCC-720 P.L. 28.35 90 Teeth | 8MPCC-800 P.L. 31.50 100 Teeth | 8MPCC-896 P.L. 35.28 112 Teeth | 8MPCC-960 P.L. 37.80 120 Teeth | 8MPCC-1000 P.L. 39.37 125 Teeth | 8MPCC-1040 P.L. 40.94 130 Teeth | 8MPCC-1120 P.L. 44.09 140 Teeth | 8MPCC-1200 P.L. 47.24 150 Teeth | 8MPCC-1224 P.L. 48.19 153 Teeth | 8MPCC-1280 P.L. 50.39 160 Teeth | 8MPCC-1440 P.L. 56.69 180 Teeth | 8MPCC-1600 P.L. 62.99 200 Teeth | 8MPCC-1760 P.L. 69.29 220 Teeth |
| 25 | 2.506 | 60 | 6.015 | 2.400 | 5.63 | 7.27 | 8.88 | 10.80 | 12.08 | 12.87 | 13.66 | 15.25 | 16.84 | 17.31 | 18.42 | 21.58 | 24.74 | 27.90 |
| 75 | 7.519 | 180 | 18.046 | 2.400 | | | | | | | | | | | | | | 13.53 |
| 22 | 2.206 | 53 | 5.314 | 2.409 | 6.51 | 8.12 | 9.72 | 11.63 | 12.90 | 13.69 | 14.48 | 16.06 | 17.65 | 18.12 | 19.23 | 22.38 | 25.54 | 28.70 |
| 31 | 3.108 | 75 | 7.519 | 2.419 | | | 7.06 | 9.02 | 10.32 | 11.12 | 11.92 | 13.52 | 15.11 | 15.59 | 16.70 | 19.88 | 23.04 | 26.21 |
| 26 | 2.607 | 63 | 6.316 | 2.423 | 5.26 | 6.92 | 8.54 | 10.47 | 11.75 | 12.54 | 13.33 | 14.92 | 16.51 | 16.99 | 18.09 | 21.26 | 24.42 | 27.57 |
| 33 | 3.308 | 80 | 8.020 | 2.424 | | | 6.42 | 8.41 | 9.72 | 10.52 | 11.33 | 12.93 | 14.53 | 15.01 | 16.13 | 19.30 | 22.47 | 25.64 |
| 37 | 3.709 | 90 | 9.023 | 2.432 | | | | 7.14 | 8.48 | 9.30 | 10.12 | 11.74 | 13.36 | 13.84 | 14.96 | 18.15 | 21.33 | 24.50 |
| 29 | 2.907 | 71 | 7.118 | 2.448 | | 5.92 | 7.58 | 9.53 | 10.82 | 11.62 | 12.42 | 14.01 | 15.60 | 16.08 | 17.19 | 20.36 | 23.53 | 26.69 |
| 27 | 2.707 | 67 | 6.717 | 2.481 | | 6.46 | 8.10 | 10.04 | 11.32 | 12.12 | 12.91 | 14.50 | 16.09 | 16.57 | 17.68 | 20.85 | 24.01 | 27.17 |
| 45 | 4.511 | 112 | 11.229 | 2.489 | | | | | | | | 9.05 | 10.73 | 11.23 | 12.37 | 15.62 | 18.83 | 22.03 |
| 30 | 3.008 | 75 | 7.519 | 2.500 | | | 7.12 | 9.09 | 10.39 | 11.19 | 11.99 | 13.59 | 15.18 | 15.66 | 16.78 | 19.95 | 23.12 | 26.28 |
| 32 | 3.208 | 80 | 8.020 | 2.500 | | | 6.48 | 8.48 | 9.78 | 10.59 | 11.40 | 13.00 | 14.60 | 15.08 | 16.20 | 19.38 | 22.55 | 25.71 |
| 36 | 3.609 | 90 | 9.023 | 2.500 | | | | 7.20 | 8.55 | 9.37 | 10.19 | 11.81 | 13.43 | 13.91 | 15.03 | 18.22 | 21.40 | 24.57 |
| 56 | 5.614 | 140 | 14.036 | 2.500 | | | | | | | | | | | | 12.18 | 15.49 | 18.74 |
| 25 | 2.506 | 63 | 6.316 | 2.520 | 5.33 | 6.98 | 8.61 | 10.54 | 11.82 | 12.61 | 13.41 | 15.00 | 16.58 | 17.06 | 18.17 | 21.33 | 24.49 | 27.65 |
| 71 | 7.118 | 180 | 18.046 | 2.535 | | | | | | | | | | | | | | 13.78 |
| 28 | 2.807 | 71 | 7.118 | 2.536 | | 5.99 | 7.65 | 9.60 | 10.89 | 11.69 | 12.49 | 14.08 | 15.68 | 16.16 | 17.27 | 20.44 | 23.60 | 26.76 |
| 22 | 2.206 | 56 | 5.614 | 2.545 | 6.22 | 7.85 | 9.45 | 11.37 | 12.64 | 13.43 | 14.23 | 15.81 | 17.39 | 17.87 | 18.98 | 22.14 | 25.30 | 28.45 |
| 35 | 3.509 | 90 | 9.023 | 2.571 | | | | 7.27 | 8.61 | 9.44 | 10.25 | 11.88 | 13.49 | 13.98 | 15.10 | 18.29 | 21.48 | 24.65 |
| 26 | 2.607 | 67 | 6.717 | 2.577 | | 6.53 | 8.17 | 10.11 | 11.39 | 12.19 | 12.98 | 14.58 | 16.17 | 16.64 | 17.75 | 20.92 | 24.08 | 27.24 |
| 31 | 3.108 | 80 | 8.020 | 2.581 | | | 6.54 | 8.54 | 9.85 | 10.66 | 11.47 | 13.07 | 14.67 | 15.16 | 16.27 | 19.45 | 22.62 | 25.79 |
| 29 | 2.907 | 75 | 7.519 | 2.586 | | | 7.19 | 9.16 | 10.46 | 11.26 | 12.06 | 13.66 | 15.26 | 15.74 | 16.85 | 20.02 | 23.19 | 26.36 |
| 27 | 2.707 | 71 | 7.118 | 2.630 | | 6.05 | 7.72 | 9.67 | 10.96 | 11.76 | 12.56 | 14.16 | 15.75 | 16.23 | 17.34 | 20.51 | 23.68 | 26.84 |
| 53 | 5.314 | 140 | 14.036 | 2.642 | | | | | | | | | | | | 12.37 | 15.69 | 18.94 |
| 34 | 3.409 | 90 | 9.023 | 2.647 | | | | 7.33 | 8.68 | 9.50 | 10.32 | 11.95 | 13.56 | 14.05 | 15.17 | 18.37 | 21.55 | 24.72 |
| 30 | 3.008 | 80 | 8.020 | 2.667 | | | 6.61 | 8.61 | 9.92 | 10.73 | 11.54 | 13.14 | 14.75 | 15.23 | 16.34 | 19.52 | 22.70 | 25.86 |
| 42 | 4.211 | 112 | 11.229 | 2.667 | | | | | | | | 9.24 | 10.92 | 11.43 | 12.58 | 15.83 | 19.04 | 22.24 |
| 28 | 2.807 | 75 | 7.519 | 2.679 | | | 7.25 | 9.23 | 10.53 | 11.33 | 12.13 | 13.73 | 15.33 | 15.81 | 16.92 | 20.10 | 23.27 | 26.43 |
| 25 | 2.506 | 67 | 6.717 | 2.680 | | 6.59 | 8.24 | 10.18 | 11.46 | 12.26 | 13.06 | 14.65 | 16.24 | 16.72 | 17.83 | 21.00 | 24.16 | 27.32 |
| 67 | 6.717 | 180 | 18.046 | 2.687 | | | | | | | | | | | | | | 14.04 |
| 22 | 2.206 | 60 | 6.015 | 2.727 | 5.83 | 7.47 | 9.09 | 11.02 | 12.30 | 13.09 | 13.88 | 15.47 | 17.06 | 17.53 | 18.64 | 21.81 | 24.97 | 28.12 |
| 33 | 3.308 | 90 | 9.023 | 2.727 | | | | 7.40 | 8.74 | 9.57 | 10.39 | 12.02 | 13.63 | 14.12 | 15.24 | 18.44 | 21.62 | 24.80 |
| 26 | 2.607 | 71 | 7.118 | 2.731 | | 6.12 | 7.78 | 9.74 | 11.03 | 11.83 | 12.63 | 14.23 | 15.82 | 16.30 | 17.41 | 20.58 | 23.75 | 26.91 |
| 41 | 4.110 | 112 | 11.229 | 2.732 | | | | | | | | 9.31 | 10.99 | 11.49 | 12.64 | 15.90 | 19.12 | 22.31 |
| 29 | 2.907 | 80 | 8.020 | 2.759 | | | 6.67 | 8.68 | 9.99 | 10.80 | 11.61 | 13.21 | 14.82 | 15.30 | 16.41 | 19.60 | 22.77 | 25.94 |
| 27 | 2.707 | 75 | 7.519 | 2.778 | | 5.62 | 7.32 | 9.30 | 10.59 | 11.40 | 12.20 | 13.80 | 15.40 | 15.88 | 16.99 | 20.17 | 23.34 | 26.50 |
| 40 | 4.010 | 112 | 11.229 | 2.800 | | | | | | | | 9.37 | 11.06 | 11.56 | 12.71 | 15.97 | 19.19 | 22.38 |
| 50 | 5.013 | 140 | 14.036 | 2.800 | | | | | | | | | | | | 12.56 | 15.89 | 19.15 |
| 80 | 8.020 | 224 | 22.457 | 2.800 | | | | | | | | | | | | | | |
| 32 | 3.208 | 90 | 9.023 | 2.813 | | | | 7.46 | 8.81 | 9.64 | 10.46 | 12.09 | 13.70 | 14.19 | 15.31 | 18.51 | 21.69 | 24.87 |
| 25 | 2.506 | 71 | 7.118 | 2.840 | | 6.18 | 7.85 | 9.81 | 11.10 | 11.90 | 12.70 | 14.30 | 15.89 | 16.37 | 17.48 | 20.66 | 23.82 | 26.99 |
| 28 | 2.807 | 80 | 8.020 | 2.857 | | | 6.74 | 8.75 | 10.06 | 10.87 | 11.67 | 13.28 | 14.89 | 15.37 | 16.49 | 19.67 | 22.84 | 26.01 |
| 63 | 6.316 | 180 | 18.046 | 2.857 | | | | | | | | | | | | | | 14.29 |
| 22 | 2.206 | 63 | 6.316 | 2.864 | 5.52 | 7.19 | 8.82 | 10.75 | 12.03 | 12.83 | 13.62 | 15.21 | 16.80 | 17.28 | 18.39 | 21.55 | 24.72 | 27.88 |
| 39 | 3.910 | 112 | 11.229 | 2.872 | | | | | | | | 9.44 | 11.12 | 11.62 | 12.78 | 16.04 | 19.26 | 22.46 |
| 26 | 2.607 | 75 | 7.519 | 2.885 | | 5.68 | 7.38 | 9.36 | 10.66 | 11.47 | 12.27 | 13.87 | 15.47 | 15.95 | 17.07 | 20.24 | 23.41 | 26.58 |
| 31 | 3.108 | 90 | 9.023 | 2.903 | | | | 7.52 | 8.87 | 9.70 | 10.52 | 12.16 | 13.77 | 14.26 | 15.38 | 18.58 | 21.77 | 24.94 |
| 48 | 4.812 | 140 | 14.036 | 2.917 | | | | | | | | | | | | 12.69 | 16.02 | 19.29 |
| 38 | 3.810 | 112 | 11.229 | 2.947 | | | | | | | | 9.50 | 11.19 | 11.69 | 12.84 | 16.10 | 19.33 | 22.53 |
| 27 | 2.707 | 80 | 8.020 | 2.963 | | | 6.80 | 8.81 | 10.12 | 10.94 | 11.74 | 13.35 | 14.96 | 15.44 | 16.56 | 19.74 | 22.92 | 26.08 |
| 75 | 7.519 | 224 | 22.457 | 2.987 | | | | | | | | | | | | | | |
| 25 | 2.506 | 75 | 7.519 | 3.000 | | 5.75 | 7.45 | 9.43 | 10.73 | 11.54 | 12.34 | 13.95 | 15.54 | 16.02 | 17.14 | 20.32 | 23.49 | 26.65 |
| 30 | 3.008 | 90 | 9.023 | 3.000 | | | | 7.59 | 8.94 | 9.77 | 10.59 | 12.22 | 13.84 | 14.33 | 15.45 | 18.65 | 21.84 | 25.01 |
| 60 | 6.015 | 180 | 18.046 | 3.000 | | | | | | | | | | | | | | 14.48 |
| 37 | 3.709 | 112 | 11.229 | 3.027 | | | | | | | 7.81 | 9.56 | 11.25 | 11.76 | 12.91 | 16.17 | 19.40 | 22.60 |
| 22 | 2.206 | 67 | 6.717 | 3.045 | 5.08 | 6.79 | 8.44 | 10.39 | 11.67 | 12.47 | 13.27 | 14.87 | 16.46 | 16.94 | 18.05 | 21.22 | 24.38 | 27.54 |
| 26 | 2.607 | 80 | 8.020 | 3.077 | | | 6.86 | 8.88 | 10.19 | 11.00 | 11.81 | 13.42 | 15.03 | 15.51 | 16.63 | 19.81 | 22.99 | 26.16 |
| 29 | 2.907 | 90 | 9.023 | 3.103 | | | | 7.65 | 9.01 | 9.84 | 10.66 | 12.29 | 13.91 | 14.40 | 15.52 | 18.72 | 21.91 | 25.09 |
| 36 | 3.609 | 112 | 11.229 | 3.111 | | | | | | | 7.88 | 9.63 | 11.32 | 11.82 | 12.98 | 16.24 | 19.47 | 22.67 |
| 45 | 4.511 | 140 | 14.036 | 3.111 | | | | | | | | | | | | 12.89 | 16.22 | 19.49 |
| 71 | 7.118 | 224 | 22.457 | 3.155 | | | | | | | | | | | | | | |
| 25 | 2.506 | 80 | 8.020 | 3.200 | | | 6.93 | 8.94 | 10.26 | 11.07 | 11.88 | 13.50 | 15.10 | 15.58 | 16.70 | 19.89 | 23.06 | 26.23 |
| 35 | 3.509 | 112 | 11.229 | 3.200 | | | | | | | 7.94 | 9.69 | 11.38 | 11.89 | 13.04 | 16.31 | 19.54 | 22.74 |
| 28 | 2.807 | 90 | 9.023 | 3.214 | | | | 7.71 | 9.07 | 9.90 | 10.73 | 12.36 | 13.98 | 14.47 | 15.59 | 18.80 | 21.98 | 25.16 |
| 56 | 5.614 | 180 | 18.046 | 3.214 | | | | | | | | | | | | | | 14.73 |
| 22 | 2.206 | 71 | 7.118 | 3.227 | | 6.37 | 8.05 | 10.01 | 11.31 | 12.11 | 12.91 | 14.51 | 16.11 | 16.59 | 17.70 | 20.88 | 24.05 | 27.21 |
| 34 | 3.409 | 112 | 11.229 | 3.294 | | | | | | | 8.00 | 9.75 | 11.45 | 11.95 | 13.11 | 16.38 | 19.61 | 22.81 |
| 27 | 2.707 | 90 | 9.023 | 3.333 | | | | 7.78 | 9.14 | 9.97 | 10.79 | 12.43 | 14.05 | 14.54 | 15.66 | 18.87 | 22.06 | 25.23 |
| 42 | 4.211 | 140 | 14.036 | 3.333 | | | | | | | | | | | 9.57 | 13.08 | 16.42 | 19.70 |
| 67 | 6.717 | 224 | 22.457 | 3.343 | | | | | | | | | | | | | | |
| 33 | 3.308 | 112 | 11.229 | 3.394 | | | | | | | 8.06 | 9.82 | 11.51 | 12.02 | 13.18 | 16.45 | 19.68 | 22.88 |
| 53 | 5.314 | 180 | 18.046 | 3.396 | | | | | | | | | | | | | | 14.92 |
| 22 | 2.206 | 75 | 7.519 | 3.409 | | 5.93 | 7.65 | 9.63 | 10.94 | 11.75 | 12.55 | 14.16 | 15.76 | 16.24 | 17.35 | 20.53 | 23.71 | 26.88 |
| 41 | 4.110 | 140 | 14.036 | 3.415 | | | | | | | | | | | 9.63 | 13.14 | 16.49 | 19.77 |
| 26 | 2.607 | 90 | 9.023 | 3.462 | | | | 7.84 | 9.20 | 10.03 | 10.86 | 12.50 | 14.12 | 14.61 | 15.73 | 18.94 | 22.13 | 25.31 |
| 32 | 3.208 | 112 | 11.229 | 3.500 | | | | | | | 8.12 | 9.88 | 11.58 | 12.08 | 13.24 | 16.52 | 19.75 | 22.95 |
| 40 | 4.010 | 140 | 14.036 | 3.500 | | | | | | | | | | | 9.69 | 13.21 | 16.56 | 19.83 |
| Length Factor* | | | | | 0.79 | 0.83 | 0.87 | 0.91 | 0.94 | 0.96 | 0.97 | 1.00 | 1.03 | 1.03 | 1.05 | 1.10 | 1.14 | 1.17 |

* This length factor must be used to determine the proper belt width.

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

## 8mm Pre-Engineered Drive Selection Table

| Center Distance (in) | | | | | | | | | | | | | | | | Speed Ratio | Sprocket Combinations | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8MPCC-1792 P.L. 70.55 224 Teeth | 8MPCC-2000 P.L. 78.74 250 Teeth | 8MPCC-2200 P.L. 86.61 275 Teeth | 8MPCC-2240 P.L. 88.19 280 Teeth | 8MPCC-2400 P.L. 94.49 300 Teeth | 8MPCC-2520 P.L. 99.21 315 Teeth | 8MPCC-2600 P.L. 102.36 325 Teeth | 8MPCC-2800 P.L. 110.24 350 Teeth | 8MPCC-2840 P.L. 111.81 355 Teeth | 8MPCC-3048 P.L. 120.00 381 Teeth | 8MPCC-3200 P.L. 125.98 400 Teeth | 8MPCC-3280 P.L. 129.13 410 Teeth | 8MPCC-3600 P.L. 141.73 450 Teeth | 8MPCC-4000 P.L. 157.48 500 Teeth | 8MPCC-4400 P.L. 173.23 550 Teeth | 8MPCC-4480 P.L. 176.38 560 Teeth | | DriveR | DriveN |
| | | | | | | | | | | | | | | | | | Number of Grooves | Number of Grooves |
| 28.53 | 32.63 | 36.57 | 37.36 | 40.51 | 42.88 | 44.45 | 48.40 | 49.18 | 53.28 | 56.27 | 57.85 | 64.15 | 72.03 | 79.90 | 81.48 | 2.400 | 25 | 60 |
| 14.21 | 18.54 | 22.61 | 23.42 | 26.64 | 29.05 | 30.65 | 34.64 | 35.43 | 39.57 | 42.59 | 44.17 | 50.51 | 58.42 | 66.33 | 67.91 | 2.400 | 75 | 180 |
| 29.33 | 33.43 | 37.37 | 38.16 | 41.31 | 43.67 | 45.25 | 49.19 | 49.97 | 54.07 | 57.06 | 58.64 | 64.94 | 72.82 | 80.69 | 82.27 | 2.409 | 22 | 53 |
| 26.84 | 30.94 | 34.89 | 35.68 | 38.84 | 41.20 | 42.78 | 46.72 | 47.51 | 51.61 | 54.60 | 56.18 | 62.48 | 70.36 | 78.24 | 79.81 | 2.419 | 31 | 75 |
| 28.21 | 32.31 | 36.25 | 37.04 | 40.19 | 42.56 | 44.13 | 48.08 | 48.86 | 52.96 | 55.95 | 57.53 | 63.83 | 71.71 | 79.59 | 81.16 | 2.423 | 26 | 63 |
| 26.27 | 30.38 | 34.33 | 35.12 | 38.28 | 40.64 | 42.22 | 46.16 | 46.95 | 51.05 | 54.04 | 55.62 | 61.92 | 69.80 | 77.68 | 79.26 | 2.424 | 33 | 80 |
| 25.13 | 29.25 | 33.20 | 33.99 | 37.15 | 39.52 | 41.09 | 45.04 | 45.83 | 49.93 | 52.92 | 54.50 | 60.81 | 68.69 | 76.57 | 78.15 | 2.432 | 37 | 90 |
| 27.32 | 31.43 | 35.37 | 36.16 | 39.32 | 41.68 | 43.26 | 47.20 | 47.99 | 52.08 | 55.08 | 56.65 | 62.96 | 70.84 | 78.71 | 80.29 | 2.448 | 29 | 71 |
| 27.80 | 31.91 | 35.85 | 36.64 | 39.79 | 42.16 | 43.73 | 47.68 | 48.46 | 52.56 | 55.55 | 57.13 | 63.43 | 71.31 | 79.19 | 80.76 | 2.481 | 27 | 67 |
| 22.66 | 26.80 | 30.76 | 31.55 | 34.72 | 37.09 | 38.67 | 42.63 | 43.41 | 47.52 | 50.52 | 52.09 | 58.41 | 66.29 | 74.18 | 75.75 | 2.489 | 45 | 112 |
| 26.91 | 31.02 | 34.96 | 35.76 | 38.91 | 41.28 | 42.85 | 46.80 | 47.58 | 51.68 | 54.68 | 56.25 | 62.56 | 70.44 | 78.31 | 79.89 | 2.500 | 30 | 75 |
| 26.35 | 30.46 | 34.40 | 35.19 | 38.35 | 40.72 | 42.29 | 46.24 | 47.02 | 51.12 | 54.12 | 55.69 | 62.00 | 69.88 | 77.76 | 79.34 | 2.500 | 32 | 80 |
| 25.21 | 29.32 | 33.27 | 34.07 | 37.23 | 39.59 | 41.17 | 45.12 | 45.90 | 50.01 | 53.00 | 54.58 | 60.88 | 68.77 | 76.65 | 78.22 | 2.500 | 36 | 90 |
| 19.38 | 23.56 | 27.55 | 28.35 | 31.53 | 33.91 | 35.50 | 39.46 | 40.25 | 44.37 | 47.37 | 48.95 | 55.27 | 63.17 | 71.06 | 72.63 | 2.500 | 56 | 140 |
| 28.28 | 32.39 | 36.33 | 37.12 | 40.27 | 42.63 | 44.21 | 48.15 | 48.94 | 53.04 | 56.03 | 57.60 | 63.91 | 71.79 | 79.66 | 81.24 | 2.520 | 25 | 63 |
| 14.47 | 18.81 | 22.89 | 23.70 | 26.92 | 29.33 | 30.93 | 34.93 | 35.72 | 39.86 | 42.88 | 44.47 | 50.81 | 58.72 | 66.63 | 68.21 | 2.535 | 71 | 180 |
| 27.40 | 31.50 | 35.44 | 36.24 | 39.39 | 41.75 | 43.33 | 47.28 | 48.06 | 52.16 | 55.15 | 56.73 | 63.03 | 70.91 | 78.79 | 80.37 | 2.536 | 28 | 71 |
| 29.08 | 33.18 | 37.12 | 37.91 | 41.07 | 43.43 | 45.01 | 48.95 | 49.73 | 53.83 | 56.82 | 58.40 | 64.70 | 72.58 | 80.46 | 82.03 | 2.545 | 22 | 56 |
| 25.28 | 29.40 | 33.35 | 34.14 | 37.30 | 39.67 | 41.25 | 45.19 | 45.98 | 50.08 | 53.08 | 54.65 | 60.96 | 68.84 | 76.72 | 78.30 | 2.571 | 35 | 90 |
| 27.88 | 31.98 | 35.92 | 36.71 | 39.87 | 42.23 | 43.81 | 47.75 | 48.54 | 52.64 | 55.63 | 57.21 | 63.51 | 71.39 | 79.27 | 80.84 | 2.577 | 26 | 67 |
| 26.42 | 30.53 | 34.48 | 35.27 | 38.43 | 40.79 | 42.37 | 46.31 | 47.10 | 51.20 | 54.19 | 55.77 | 62.08 | 69.96 | 77.84 | 79.41 | 2.581 | 31 | 80 |
| 26.99 | 31.10 | 35.04 | 35.83 | 38.99 | 41.35 | 42.93 | 46.87 | 47.66 | 51.76 | 54.75 | 56.33 | 62.63 | 70.51 | 78.39 | 79.97 | 2.586 | 29 | 75 |
| 27.47 | 31.58 | 35.52 | 36.31 | 39.47 | 41.83 | 43.41 | 47.35 | 48.14 | 52.24 | 55.23 | 56.81 | 63.11 | 70.99 | 78.87 | 80.44 | 2.630 | 27 | 71 |
| 19.59 | 23.77 | 27.76 | 28.56 | 31.75 | 34.13 | 35.72 | 39.68 | 40.47 | 44.59 | 47.59 | 49.17 | 55.50 | 63.39 | 71.28 | 72.86 | 2.642 | 53 | 140 |
| 25.36 | 29.47 | 33.42 | 34.22 | 37.38 | 39.74 | 41.32 | 45.27 | 46.06 | 50.16 | 53.15 | 54.73 | 61.04 | 68.92 | 76.80 | 78.38 | 2.647 | 34 | 90 |
| 26.50 | 30.61 | 34.55 | 35.34 | 38.50 | 40.87 | 42.44 | 46.39 | 47.18 | 51.28 | 54.27 | 55.85 | 62.15 | 70.03 | 77.91 | 79.49 | 2.667 | 30 | 80 |
| 22.88 | 27.02 | 30.98 | 31.77 | 34.94 | 37.31 | 38.90 | 42.85 | 43.64 | 47.74 | 50.74 | 52.32 | 58.63 | 66.52 | 74.41 | 75.98 | 2.667 | 42 | 112 |
| 27.06 | 31.17 | 35.12 | 35.91 | 39.06 | 41.43 | 43.01 | 46.95 | 47.74 | 51.84 | 54.83 | 56.41 | 62.71 | 70.59 | 78.47 | 80.05 | 2.679 | 28 | 75 |
| 27.95 | 32.06 | 36.00 | 36.79 | 39.95 | 42.31 | 43.89 | 47.83 | 48.62 | 52.71 | 55.71 | 57.28 | 63.59 | 71.47 | 79.34 | 80.92 | 2.680 | 25 | 67 |
| 14.72 | 19.07 | 23.16 | 23.97 | 27.20 | 29.61 | 31.22 | 35.21 | 36.01 | 40.15 | 43.17 | 44.76 | 51.10 | 59.02 | 66.93 | 68.51 | 2.687 | 67 | 180 |
| 28.76 | 32.86 | 36.80 | 37.59 | 40.74 | 43.11 | 44.68 | 48.63 | 49.41 | 53.51 | 56.50 | 58.08 | 64.38 | 72.26 | 80.14 | 81.71 | 2.727 | 22 | 60 |
| 25.43 | 29.55 | 33.50 | 34.29 | 37.45 | 39.82 | 41.40 | 45.35 | 46.13 | 50.23 | 53.23 | 54.81 | 61.11 | 69.00 | 76.88 | 78.45 | 2.727 | 33 | 90 |
| 27.54 | 31.65 | 35.60 | 36.39 | 39.54 | 41.91 | 43.48 | 47.43 | 48.21 | 52.31 | 55.31 | 56.88 | 63.19 | 71.07 | 78.94 | 80.52 | 2.731 | 26 | 71 |
| 22.95 | 27.09 | 31.05 | 31.85 | 35.02 | 37.39 | 38.97 | 42.93 | 43.71 | 47.82 | 50.82 | 52.40 | 58.71 | 66.60 | 74.48 | 76.06 | 2.732 | 41 | 112 |
| 26.57 | 30.68 | 34.63 | 35.42 | 38.58 | 40.94 | 42.52 | 46.47 | 47.25 | 51.35 | 54.35 | 55.92 | 62.23 | 70.11 | 77.99 | 79.57 | 2.759 | 29 | 80 |
| 27.14 | 31.25 | 35.19 | 35.98 | 39.14 | 41.50 | 43.08 | 47.03 | 47.81 | 51.91 | 54.91 | 56.48 | 62.79 | 70.67 | 78.55 | 80.12 | 2.778 | 27 | 75 |
| 23.02 | 27.16 | 31.13 | 31.92 | 35.09 | 37.46 | 39.04 | 43.00 | 43.79 | 47.90 | 50.89 | 52.47 | 58.79 | 66.67 | 74.56 | 76.14 | 2.800 | 40 | 112 |
| 19.80 | 23.98 | 27.98 | 28.78 | 31.97 | 34.35 | 35.94 | 39.90 | 40.69 | 44.81 | 47.82 | 49.40 | 55.72 | 63.62 | 71.51 | 73.09 | 2.800 | 50 | 140 |
| | | 17.89 | 18.75 | 22.12 | 24.60 | 26.24 | 30.32 | 31.13 | 35.32 | 38.37 | 39.97 | 46.37 | 54.32 | 62.26 | 63.84 | 2.800 | 80 | 224 |
| 25.50 | 29.62 | 33.57 | 34.37 | 37.53 | 39.89 | 41.47 | 45.42 | 46.21 | 50.31 | 53.30 | 54.88 | 61.19 | 69.07 | 76.95 | 78.53 | 2.813 | 32 | 90 |
| 27.62 | 31.73 | 35.67 | 36.46 | 39.62 | 41.98 | 43.56 | 47.51 | 48.29 | 52.39 | 55.38 | 56.96 | 63.26 | 71.14 | 79.02 | 80.60 | 2.840 | 25 | 71 |
| 26.64 | 30.76 | 34.70 | 35.50 | 38.65 | 41.02 | 42.60 | 46.54 | 47.33 | 51.43 | 54.42 | 56.00 | 62.31 | 70.19 | 78.07 | 79.64 | 2.857 | 28 | 80 |
| 14.98 | 19.34 | 23.43 | 24.25 | 27.48 | 29.89 | 31.50 | 35.50 | 36.30 | 40.44 | 43.46 | 45.05 | 51.40 | 59.32 | 67.23 | 68.81 | 2.857 | 63 | 180 |
| 28.51 | 32.61 | 36.55 | 37.35 | 40.50 | 42.86 | 44.44 | 48.38 | 49.17 | 53.27 | 56.26 | 57.84 | 64.14 | 72.02 | 79.90 | 81.47 | 2.864 | 22 | 63 |
| 23.09 | 27.23 | 31.20 | 32.00 | 35.16 | 37.54 | 39.12 | 43.07 | 43.86 | 47.97 | 50.97 | 52.55 | 58.86 | 66.75 | 74.64 | 76.21 | 2.872 | 39 | 112 |
| 27.21 | 31.32 | 35.27 | 36.06 | 39.22 | 41.58 | 43.16 | 47.10 | 47.89 | 51.99 | 54.98 | 56.56 | 62.86 | 70.74 | 78.62 | 80.20 | 2.885 | 26 | 75 |
| 25.58 | 29.69 | 33.65 | 34.44 | 37.60 | 39.97 | 41.55 | 45.50 | 46.28 | 50.39 | 53.38 | 54.96 | 61.27 | 69.15 | 77.03 | 78.61 | 2.903 | 31 | 90 |
| 19.94 | 24.12 | 28.12 | 28.92 | 32.11 | 34.49 | 36.08 | 40.05 | 40.84 | 44.96 | 47.96 | 49.55 | 55.87 | 63.77 | 71.66 | 73.24 | 2.917 | 48 | 140 |
| 23.17 | 27.31 | 31.27 | 32.07 | 35.24 | 37.61 | 39.19 | 43.15 | 43.94 | 48.05 | 51.04 | 52.62 | 58.94 | 66.83 | 74.71 | 76.29 | 2.947 | 38 | 112 |
| 26.72 | 30.83 | 34.78 | 35.57 | 38.73 | 41.09 | 42.67 | 46.62 | 47.41 | 51.51 | 54.50 | 56.08 | 62.38 | 70.26 | 78.14 | 79.72 | 2.963 | 27 | 80 |
| | | 18.21 | 19.07 | 22.45 | 24.93 | 26.58 | 30.66 | 31.47 | 35.67 | 38.72 | 40.33 | 46.72 | 54.69 | 62.63 | 64.21 | 2.987 | 75 | 224 |
| 27.29 | 31.40 | 35.34 | 36.13 | 39.29 | 41.66 | 43.23 | 47.18 | 47.97 | 52.07 | 55.06 | 56.64 | 62.94 | 70.82 | 78.70 | 80.28 | 3.000 | 25 | 75 |
| 25.65 | 29.77 | 33.72 | 34.51 | 37.68 | 40.04 | 41.62 | 45.57 | 46.36 | 50.46 | 53.46 | 55.03 | 61.34 | 69.23 | 77.11 | 78.68 | 3.000 | 30 | 90 |
| 15.17 | 19.54 | 23.64 | 24.45 | 27.69 | 30.10 | 31.71 | 35.71 | 36.51 | 40.66 | 43.68 | 45.27 | 51.62 | 59.54 | 67.45 | 69.03 | 3.000 | 60 | 180 |
| 23.24 | 27.38 | 31.35 | 32.14 | 35.31 | 37.68 | 39.27 | 43.22 | 44.01 | 48.12 | 51.12 | 52.70 | 59.01 | 66.90 | 74.79 | 76.37 | 3.027 | 37 | 112 |
| 28.18 | 32.28 | 36.23 | 37.02 | 40.17 | 42.54 | 44.11 | 48.06 | 48.84 | 52.94 | 55.94 | 57.51 | 63.82 | 71.70 | 79.57 | 81.15 | 3.045 | 22 | 67 |
| 26.79 | 30.90 | 34.85 | 35.65 | 38.80 | 41.17 | 42.75 | 46.70 | 47.48 | 51.58 | 54.58 | 56.15 | 62.46 | 70.34 | 78.22 | 79.80 | 3.077 | 26 | 80 |
| 25.72 | 29.84 | 33.80 | 34.59 | 37.75 | 40.12 | 41.70 | 45.65 | 46.43 | 50.54 | 53.53 | 55.11 | 61.42 | 69.30 | 77.18 | 78.76 | 3.103 | 29 | 90 |
| 23.31 | 27.45 | 31.42 | 32.22 | 35.39 | 37.76 | 39.34 | 43.30 | 44.09 | 48.20 | 51.19 | 52.77 | 59.09 | 66.98 | 74.86 | 76.44 | 3.111 | 36 | 112 |
| 20.14 | 24.34 | 28.34 | 29.14 | 32.33 | 34.71 | 36.30 | 40.27 | 41.06 | 45.18 | 48.19 | 49.77 | 56.10 | 64.00 | 71.89 | 73.47 | 3.111 | 45 | 140 |
| | | 18.46 | 19.32 | 22.71 | 25.20 | 26.85 | 30.94 | 31.75 | 35.95 | 39.01 | 40.61 | 47.01 | 54.98 | 62.92 | 64.51 | 3.155 | 71 | 224 |
| 26.87 | 30.98 | 34.93 | 35.72 | 38.88 | 41.25 | 42.82 | 46.77 | 47.56 | 51.66 | 54.65 | 56.23 | 62.54 | 70.42 | 78.30 | 79.88 | 3.200 | 25 | 80 |
| 23.38 | 27.52 | 31.49 | 32.29 | 35.46 | 37.83 | 39.42 | 43.37 | 44.16 | 48.27 | 51.27 | 52.85 | 59.16 | 67.05 | 74.94 | 76.52 | 3.200 | 35 | 112 |
| 25.80 | 29.92 | 33.87 | 34.66 | 37.83 | 40.19 | 41.77 | 45.72 | 46.51 | 50.61 | 53.61 | 55.19 | 61.50 | 69.38 | 77.26 | 78.84 | 3.214 | 28 | 90 |
| 15.42 | 19.80 | 23.91 | 24.73 | 27.97 | 30.38 | 31.99 | 36.00 | 36.80 | 40.94 | 43.97 | 45.56 | 51.91 | 59.83 | 67.75 | 69.33 | 3.214 | 56 | 180 |
| 27.84 | 31.95 | 35.90 | 36.69 | 39.85 | 42.21 | 43.79 | 47.73 | 48.52 | 52.62 | 55.61 | 57.19 | 63.49 | 71.37 | 79.25 | 80.83 | 3.227 | 22 | 71 |
| 23.45 | 27.60 | 31.57 | 32.36 | 35.53 | 37.91 | 39.49 | 43.45 | 44.24 | 48.35 | 51.34 | 52.92 | 59.24 | 67.13 | 75.02 | 76.59 | 3.294 | 34 | 112 |
| 25.87 | 29.99 | 33.95 | 34.74 | 37.90 | 40.27 | 41.85 | 45.80 | 46.59 | 50.69 | 53.68 | 55.26 | 61.57 | 69.46 | 77.34 | 78.91 | 3.333 | 27 | 90 |
| 20.35 | 24.55 | 28.55 | 29.35 | 32.54 | 34.93 | 36.52 | 40.49 | 41.28 | 45.40 | 48.41 | 49.99 | 56.32 | 64.22 | 72.12 | 73.70 | 3.333 | 42 | 140 |
| | | 18.71 | 19.58 | 22.97 | 25.47 | 27.12 | 31.21 | 32.02 | 36.23 | 39.29 | 40.89 | 47.30 | 55.27 | 63.21 | 64.80 | 3.343 | 67 | 224 |
| 23.52 | 27.67 | 31.64 | 32.44 | 35.61 | 37.98 | 39.56 | 43.52 | 44.31 | 48.42 | 51.42 | 53.00 | 59.32 | 67.21 | 75.09 | 76.67 | 3.394 | 33 | 112 |
| 15.61 | 20.00 | 24.11 | 24.93 | 28.18 | 30.59 | 32.20 | 36.21 | 37.01 | 41.16 | 44.18 | 45.77 | 52.13 | 60.06 | 67.97 | 69.55 | 3.396 | 53 | 180 |
| 27.51 | 31.62 | 35.57 | 36.36 | 39.52 | 41.88 | 43.46 | 47.41 | 48.19 | 52.29 | 55.29 | 56.86 | 63.17 | 71.05 | 78.93 | 80.51 | 3.409 | 22 | 75 |
| 20.42 | 24.62 | 28.62 | 29.42 | 32.61 | 35.00 | 36.59 | 40.56 | 41.36 | 45.48 | 48.48 | 50.07 | 56.39 | 64.30 | 72.19 | 73.77 | 3.415 | 41 | 140 |
| 25.94 | 30.06 | 34.02 | 34.81 | 37.98 | 40.34 | 41.92 | 45.87 | 46.66 | 50.76 | 53.76 | 55.34 | 61.65 | 69.53 | 77.41 | 78.99 | 3.462 | 26 | 90 |
| 23.59 | 27.74 | 31.71 | 32.51 | 35.68 | 38.05 | 39.64 | 43.60 | 44.38 | 48.50 | 51.49 | 53.07 | 59.39 | 67.28 | 75.17 | 76.75 | 3.500 | 32 | 112 |
| 20.49 | 24.69 | 28.69 | 29.49 | 32.69 | 35.07 | 36.66 | 40.64 | 41.43 | 45.55 | 48.56 | 50.14 | 56.47 | 64.37 | 72.27 | 73.85 | 3.500 | 40 | 140 |
| 1.18 | 1.22 | 1.26 | 1.26 | 1.29 | 1.31 | 1.32 | 1.35 | 1.36 | 1.38 | 1.40 | 1.41 | 1.45 | 1.49 | 1.52 | 1.53 | Length Factor* | | |

* This length factor must be used to determine the proper belt width.

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

# QT Power Chain® II Carbon Drive Selection

## 8mm Pre-Engineered Drive Selection Table

| Sprocket Combinations | | | | | Center Distance (in) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DriveR | | DriveN | | | | | | | | | | | | | | | | |
| Number of Grooves | Pitch Diameter (inches) | Number of Grooves | Pitch Diameter (inches) | Speed Ratio | 8MPCC-640 P.L. 25.20 80 Teeth | 8MPCC-720 P.L. 28.35 °90 Teeth | 8MPCC-800 P.L. 31.50 100 Teeth | 8MPCC-896 P.L. 35.28 112 Teeth | 8MPCC-960 P.L. 37.80 120 Teeth | 8MPCC-1000 P.L. 39.37 125 Teeth | 8MPCC-1040 P.L. 40.94 130 Teeth | 8MPCC-1120 P.L. 44.09 140 Teeth | 8MPCC-1200 P.L. 47.24 150 Teeth | 8MPCC-1224 P.L. 48.19 153 Teeth | 8MPCC-1280 P.L. 50.39 160 Teeth | 8MPCC-1440 P.L. 56.69 180 Teeth | 8MPCC-1600 P.L. 62.99 200 Teeth | 8MPCC-1760 P.L. 69.29 220 Teeth |
| 63 | 6.316 | 224 | 22.457 | 3.556 | | | | | | | | | | | | | | |
| 39 | 3.910 | 140 | 14.036 | 3.590 | | | | | | | | | | | 9.75 | 13.27 | 16.62 | 19.90 |
| 25 | 2.506 | 90 | 9.023 | 3.600 | | | | 7.90 | 9.27 | 10.10 | 10.93 | 12.57 | 14.19 | 14.68 | 15.80 | 19.01 | 22.20 | 25.38 |
| 50 | 5.013 | 180 | 18.046 | 3.600 | | | | | | | | | | | | | | 15.11 |
| 31 | 3.108 | 112 | 11.229 | 3.613 | | | | | | | 8.18 | 9.94 | 11.64 | 12.15 | 13.31 | 16.59 | 19.82 | 23.03 |
| 22 | 2.206 | 80 | 8.020 | 3.636 | | | 7.12 | 9.14 | 10.46 | 11.28 | 12.09 | 13.70 | 15.31 | 15.80 | 16.91 | 20.10 | 23.28 | 26.45 |
| 38 | 3.810 | 140 | 14.036 | 3.684 | | | | | | | | | | | 9.81 | 13.34 | 16.69 | 19.97 |
| 30 | 3.008 | 112 | 11.229 | 3.733 | | | | | | | 8.24 | 10.01 | 11.71 | 12.21 | 13.38 | 16.65 | 19.89 | 23.10 |
| 60 | 6.015 | 224 | 22.457 | 3.733 | | | | | | | | | | | | | | |
| 48 | 4.812 | 180 | 18.046 | 3.750 | | | | | | | | | | | | | | 15.23 |
| 37 | 3.709 | 140 | 14.036 | 3.784 | | | | | | | | | | | 9.87 | 13.40 | 16.76 | 20.04 |
| 29 | 2.907 | 112 | 11.229 | 3.862 | | | | | | 7.37 | 8.30 | 10.07 | 11.77 | 12.28 | 13.44 | 16.72 | 19.96 | 23.17 |
| 36 | 3.609 | 140 | 14.036 | 3.889 | | | | | | | | | | | 9.93 | 13.46 | 16.82 | 20.11 |
| 28 | 2.807 | 112 | 11.229 | 4.000 | | | | | | 7.43 | 8.36 | 10.13 | 11.84 | 12.35 | 13.51 | 16.79 | 20.03 | 23.24 |
| 35 | 3.509 | 140 | 14.036 | 4.000 | | | | | | | | | | | 9.99 | 13.53 | 16.89 | 20.17 |
| 45 | 4.511 | 180 | 18.046 | 4.000 | | | | | | | | | | | | | 11.77 | 15.42 |
| 56 | 5.614 | 224 | 22.457 | 4.000 | | | | | | | | | | | | | | |
| 22 | 2.206 | 90 | 9.023 | 4.091 | | | 5.92 | 8.09 | 9.46 | 10.30 | 11.12 | 12.77 | 14.40 | 14.88 | 16.01 | 19.22 | 22.42 | 25.60 |
| 34 | 3.409 | 140 | 14.036 | 4.118 | | | | | | | | | | | 10.05 | 13.59 | 16.95 | 20.24 |
| 27 | 2.707 | 112 | 11.229 | 4.148 | | | | | | 7.49 | 8.42 | 10.20 | 11.90 | 12.41 | 13.58 | 16.86 | 20.10 | 23.31 |
| 53 | 5.314 | 224 | 22.457 | 4.226 | | | | | | | | | | | | | | |
| 33 | 3.308 | 140 | 14.036 | 4.242 | | | | | | | | | | | 10.11 | 13.66 | 17.02 | 20.31 |
| 42 | 4.211 | 180 | 18.046 | 4.286 | | | | | | | | | | | | | 11.95 | 15.60 |
| 26 | 2.607 | 112 | 11.229 | 4.308 | | | | | | 7.55 | 8.48 | 10.26 | 11.97 | 12.48 | 13.64 | 16.93 | 20.17 | 23.38 |
| 32 | 3.208 | 140 | 14.036 | 4.375 | | | | | | | | | | | 10.17 | 13.72 | 17.09 | 20.38 |
| 41 | 4.110 | 180 | 18.046 | 4.390 | | | | | | | | | | | | | 12.01 | 15.67 |
| 25 | 2.506 | 112 | 11.229 | 4.480 | | | | | | 7.61 | 8.54 | 10.32 | 12.03 | 12.54 | 13.71 | 16.99 | 20.24 | 23.45 |
| 50 | 5.013 | 224 | 22.457 | 4.480 | | | | | | | | | | | | | | |
| 40 | 4.010 | 180 | 18.046 | 4.500 | | | | | | | | | | | | | 12.07 | 15.73 |
| 31 | 3.108 | 140 | 14.036 | 4.516 | | | | | | | | | | 8.89 | 10.23 | 13.78 | 17.15 | 20.45 |
| 39 | 3.910 | 180 | 18.046 | 4.615 | | | | | | | | | | | | | 12.13 | 15.79 |
| 30 | 3.008 | 140 | 14.036 | 4.667 | | | | | | | | | | 8.95 | 10.29 | 13.85 | 17.22 | 20.51 |
| 48 | 4.812 | 224 | 22.457 | 4.667 | | | | | | | | | | | | | | |
| 38 | 3.810 | 180 | 18.046 | 4.737 | | | | | | | | | | | | | 12.18 | 15.85 |
| 29 | 2.907 | 140 | 14.036 | 4.828 | | | | | | | | | | 9.01 | 10.35 | 13.91 | 17.28 | 20.58 |
| 37 | 3.709 | 180 | 18.046 | 4.865 | | | | | | | | | | | | | 12.24 | 15.92 |
| 45 | 4.511 | 224 | 22.457 | 4.978 | | | | | | | | | | | | | | |
| 28 | 2.807 | 140 | 14.036 | 5.000 | | | | | | | | | | 9.06 | 10.41 | 13.97 | 17.35 | 20.65 |
| 36 | 3.609 | 180 | 18.046 | 5.000 | | | | | | | | | | | | | 12.30 | 15.98 |
| 22 | 2.206 | 112 | 11.229 | 5.091 | | | | | | 7.78 | 8.72 | 10.51 | 12.23 | 12.74 | 13.90 | 17.20 | 20.44 | 23.66 |
| 35 | 3.509 | 180 | 18.046 | 5.143 | | | | | | | | | | | | | 12.36 | 16.04 |
| 27 | 2.707 | 140 | 14.036 | 5.185 | | | | | | | | | | 9.12 | 10.47 | 14.04 | 17.42 | 20.72 |
| 34 | 3.409 | 180 | 18.046 | 5.294 | | | | | | | | | | | | | 12.42 | 16.10 |
| 42 | 4.211 | 224 | 22.457 | 5.333 | | | | | | | | | | | | | | |
| 26 | 2.607 | 140 | 14.036 | 5.385 | | | | | | | | | | 9.18 | 10.53 | 14.10 | 17.48 | 20.78 |
| 33 | 3.308 | 180 | 18.046 | 5.455 | | | | | | | | | | | | | 12.48 | 16.16 |
| 41 | 4.110 | 224 | 22.457 | 5.463 | | | | | | | | | | | | | | |
| 25 | 2.506 | 140 | 14.036 | 5.600 | | | | | | | | | 8.61 | 9.24 | 10.59 | 14.16 | 17.55 | 20.85 |
| 40 | 4.010 | 224 | 22.457 | 5.600 | | | | | | | | | | | | | | |
| 32 | 3.208 | 180 | 18.046 | 5.625 | | | | | | | | | | | | | 12.53 | 16.22 |
| 39 | 3.910 | 224 | 22.457 | 5.744 | | | | | | | | | | | | | | |
| 31 | 3.108 | 180 | 18.046 | 5.806 | | | | | | | | | | | | | 12.59 | 16.29 |
| 38 | 3.810 | 224 | 22.457 | 5.895 | | | | | | | | | | | | | | |
| 30 | 3.008 | 180 | 18.046 | 6.000 | | | | | | | | | | | | | 12.65 | 16.35 |
| 37 | 3.709 | 224 | 22.457 | 6.054 | | | | | | | | | | | | | | |
| 29 | 2.907 | 180 | 18.046 | 6.207 | | | | | | | | | | | | | 12.71 | 16.41 |
| 36 | 3.609 | 224 | 22.457 | 6.222 | | | | | | | | | | | | | | |
| 22 | 2.206 | 140 | 14.036 | 6.364 | | | | | | | | | 8.78 | 9.41 | 10.77 | 14.35 | 17.74 | 21.05 |
| 35 | 3.509 | 224 | 22.457 | 6.400 | | | | | | | | | | | | | | |
| 28 | 2.807 | 180 | 18.046 | 6.429 | | | | | | | | | | | | | 12.77 | 16.47 |
| 34 | 3.409 | 224 | 22.457 | 6.588 | | | | | | | | | | | | | | |
| 27 | 2.707 | 180 | 18.046 | 6.667 | | | | | | | | | | | | | 12.83 | 16.53 |
| 33 | 3.308 | 224 | 22.457 | 6.788 | | | | | | | | | | | | | | |
| 26 | 2.607 | 180 | 18.046 | 6.923 | | | | | | | | | | | | | 12.88 | 16.59 |
| 32 | 3.208 | 224 | 22.457 | 7.000 | | | | | | | | | | | | | | |
| 25 | 2.506 | 180 | 18.046 | 7.200 | | | | | | | | | | | | | 12.94 | 16.66 |
| 31 | 3.108 | 224 | 22.457 | 7.226 | | | | | | | | | | | | | | |
| 30 | 3.008 | 224 | 22.457 | 7.467 | | | | | | | | | | | | | | |
| 29 | 2.907 | 224 | 22.457 | 7.724 | | | | | | | | | | | | | | |
| 28 | 2.807 | 224 | 22.457 | 8.000 | | | | | | | | | | | | | | |
| 22 | 2.206 | 180 | 18.046 | 8.182 | | | | | | | | | | | | | 13.12 | 16.84 |
| 27 | 2.707 | 224 | 22.457 | 8.296 | | | | | | | | | | | | | | |
| 26 | 2.607 | 224 | 22.457 | 8.615 | | | | | | | | | | | | | | |
| 25 | 2.506 | 224 | 22.457 | 8.960 | | | | | | | | | | | | | | |
| 22 | 2.206 | 224 | 22.457 | 10.182 | | | | | | | | | | | | | | |
| Length Factor* | | | | | 0.79 | 0.83 | 0.87 | 0.91 | 0.94 | 0.96 | 0.97 | 1.00 | 1.03 | 1.03 | 1.05 | 1.10 | 1.14 | 1.17 |

* This length factor must be used to determine the proper belt width.

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

## 8mm Pre-Engineered Drive Selection Table

| Center Distance (in) | | | | | | | | | | | | | | | | Speed Ratio | Sprocket Combinations | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8MPCC-1792 P.L. 70.55 224 Teeth | 8MPCC-2000 P.L. 78.74 250 Teeth | 8MPCC-2200 P.L. 86.61 275 Teeth | 8MPCC-2240 P.L. 88.19 280 Teeth | 8MPCC-2400 P.L. 94.49 300 Teeth | 8MPCC-2520 P.L. 99.21 315 Teeth | 8MPCC-2600 P.L. 102.36 325 Teeth | 8MPCC-2800 P.L. 110.24 350 Teeth | 8MPCC-2840 P.L. 111.81 355 Teeth | 8MPCC-3048 P.L. 120.00 381 Teeth | 8MPCC-3200 P.L. 125.98 400 Teeth | 8MPCC-3280 P.L. 129.13 410 Teeth | 8MPCC-3600 P.L. 141.73 450 Teeth | 8MPCC-4000 P.L. 157.48 500 Teeth | 8MPCC-4400 P.L. 173.23 550 Teeth | 8MPCC-4480 P.L. 176.38 560 Teeth | | DriveR | DriveN |
| | | | | | | | | | | | | | | | | | Number of Grooves | Number of Grooves |
| | | 18.96 | 19.83 | 23.23 | 25.73 | 27.38 | 31.48 | 32.29 | 36.51 | 39.57 | 41.17 | 47.58 | 55.55 | 63.50 | 65.09 | 3.556 | 63 | 224 |
| 20.55 | 24.76 | 28.76 | 29.57 | 32.76 | 35.14 | 36.74 | 40.71 | 41.50 | 45.62 | 48.63 | 50.21 | 56.54 | 64.45 | 72.34 | 73.92 | 3.590 | 39 | 140 |
| 26.02 | 30.14 | 34.09 | 34.89 | 38.05 | 40.42 | 42.00 | 45.95 | 46.74 | 50.84 | 53.84 | 55.41 | 61.72 | 69.61 | 77.49 | 79.07 | 3.600 | 25 | 90 |
| 15.80 | 20.20 | 24.32 | 25.13 | 28.38 | 30.80 | 32.41 | 36.43 | 37.22 | 41.38 | 44.40 | 45.99 | 52.35 | 60.28 | 68.19 | 69.77 | 3.600 | 50 | 180 |
| 23.67 | 27.81 | 31.79 | 32.58 | 35.75 | 38.13 | 39.71 | 43.67 | 44.46 | 48.57 | 51.57 | 53.15 | 59.47 | 67.36 | 75.25 | 76.82 | 3.613 | 31 | 112 |
| 27.09 | 31.20 | 35.15 | 35.95 | 39.11 | 41.47 | 43.05 | 47.00 | 47.79 | 51.89 | 54.88 | 56.46 | 62.77 | 70.65 | 78.53 | 80.11 | 3.636 | 22 | 80 |
| 20.62 | 24.83 | 28.83 | 29.64 | 32.83 | 35.22 | 36.81 | 40.78 | 41.57 | 45.70 | 48.71 | 50.29 | 56.62 | 64.52 | 72.42 | 74.00 | 3.684 | 38 | 140 |
| 23.74 | 27.88 | 31.86 | 32.65 | 35.83 | 38.20 | 39.79 | 43.75 | 44.53 | 48.64 | 51.64 | 53.22 | 59.54 | 67.43 | 75.32 | 76.90 | 3.733 | 30 | 112 |
| | 14.63 | 19.15 | 20.02 | 23.43 | 25.93 | 27.58 | 31.69 | 32.50 | 36.71 | 39.78 | 41.38 | 47.79 | 55.77 | 63.72 | 65.31 | 3.733 | 60 | 224 |
| 15.93 | 20.33 | 24.45 | 25.27 | 28.52 | 30.94 | 32.55 | 36.57 | 37.36 | 41.52 | 44.55 | 46.14 | 52.49 | 60.42 | 68.34 | 69.92 | 3.750 | 48 | 180 |
| 20.69 | 24.90 | 28.91 | 29.71 | 32.90 | 35.29 | 36.88 | 40.86 | 41.65 | 45.77 | 48.78 | 50.36 | 56.69 | 64.60 | 72.49 | 74.07 | 3.784 | 37 | 140 |
| 23.81 | 27.96 | 31.93 | 32.73 | 35.90 | 38.28 | 39.86 | 43.82 | 44.61 | 48.72 | 51.72 | 53.30 | 59.62 | 67.51 | 75.40 | 76.98 | 3.862 | 29 | 112 |
| 20.76 | 24.97 | 28.98 | 29.78 | 32.97 | 35.36 | 36.95 | 40.93 | 41.72 | 45.84 | 48.85 | 50.44 | 56.77 | 64.67 | 72.57 | 74.15 | 3.889 | 36 | 140 |
| 23.88 | 28.03 | 32.00 | 32.80 | 35.97 | 38.35 | 39.93 | 43.89 | 44.68 | 48.79 | 51.79 | 53.37 | 59.69 | 67.58 | 75.47 | 77.05 | 4.000 | 28 | 112 |
| 20.83 | 25.03 | 29.05 | 29.85 | 33.05 | 35.43 | 37.03 | 41.00 | 41.79 | 45.92 | 48.93 | 50.51 | 56.84 | 64.75 | 72.64 | 74.22 | 4.000 | 35 | 140 |
| 16.12 | 20.53 | 24.65 | 25.47 | 28.73 | 31.15 | 32.76 | 36.78 | 37.58 | 41.73 | 44.76 | 46.35 | 52.71 | 60.65 | 68.56 | 70.15 | 4.000 | 45 | 180 |
| | 14.87 | 19.40 | 20.27 | 23.68 | 26.19 | 27.85 | 31.96 | 32.77 | 36.99 | 40.05 | 41.66 | 48.08 | 56.06 | 64.01 | 65.60 | 4.000 | 56 | 224 |
| 26.23 | 30.36 | 34.32 | 35.11 | 38.27 | 40.64 | 42.22 | 46.17 | 46.96 | 51.07 | 54.06 | 55.64 | 61.95 | 69.84 | 77.72 | 79.30 | 4.091 | 22 | 90 |
| 20.89 | 25.10 | 29.12 | 29.92 | 33.12 | 35.51 | 37.10 | 41.07 | 41.87 | 45.99 | 49.00 | 50.58 | 56.92 | 64.82 | 72.72 | 74.30 | 4.118 | 34 | 140 |
| 23.95 | 28.10 | 32.08 | 32.87 | 36.05 | 38.42 | 40.01 | 43.97 | 44.76 | 48.87 | 51.87 | 53.45 | 59.77 | 67.66 | 75.55 | 77.13 | 4.148 | 27 | 112 |
| | 15.04 | 19.59 | 20.46 | 23.88 | 26.39 | 28.05 | 32.16 | 32.97 | 37.20 | 40.26 | 41.87 | 48.29 | 56.27 | 64.23 | 65.82 | 4.226 | 53 | 224 |
| 20.96 | 25.17 | 29.19 | 29.99 | 33.19 | 35.58 | 37.17 | 41.15 | 41.94 | 46.07 | 49.07 | 50.66 | 56.99 | 64.90 | 72.80 | 74.37 | 4.242 | 33 | 140 |
| 16.30 | 20.72 | 24.86 | 25.68 | 28.93 | 31.36 | 32.97 | 36.99 | 37.79 | 41.95 | 44.98 | 46.57 | 52.93 | 60.87 | 68.79 | 70.37 | 4.286 | 42 | 180 |
| 24.02 | 28.17 | 32.15 | 32.95 | 36.12 | 38.50 | 40.08 | 44.04 | 44.83 | 48.94 | 51.94 | 53.52 | 59.84 | 67.74 | 75.63 | 77.20 | 4.308 | 26 | 112 |
| 21.03 | 25.24 | 29.26 | 30.06 | 33.26 | 35.65 | 37.24 | 41.22 | 42.01 | 46.14 | 49.15 | 50.73 | 57.06 | 64.97 | 72.87 | 74.45 | 4.375 | 32 | 140 |
| 16.37 | 20.79 | 24.92 | 25.74 | 29.00 | 31.43 | 33.04 | 37.06 | 37.86 | 42.02 | 45.05 | 46.64 | 53.01 | 60.94 | 68.86 | 70.44 | 4.390 | 41 | 180 |
| 24.09 | 28.25 | 32.22 | 33.02 | 36.19 | 38.57 | 40.16 | 44.12 | 44.91 | 49.02 | 52.02 | 53.60 | 59.92 | 67.81 | 75.70 | 77.28 | 4.480 | 25 | 112 |
| | 15.22 | 19.77 | 20.65 | 24.07 | 26.59 | 28.25 | 32.36 | 33.18 | 37.40 | 40.47 | 42.08 | 48.50 | 56.49 | 64.45 | 66.04 | 4.480 | 50 | 224 |
| 16.43 | 20.85 | 24.99 | 25.81 | 29.07 | 31.50 | 33.11 | 37.13 | 37.93 | 42.09 | 45.12 | 46.71 | 53.08 | 61.01 | 68.93 | 70.52 | 4.500 | 40 | 180 |
| 21.10 | 25.31 | 29.33 | 30.13 | 33.33 | 35.72 | 37.31 | 41.29 | 42.08 | 46.21 | 49.22 | 50.81 | 57.14 | 65.05 | 72.95 | 74.52 | 4.516 | 31 | 140 |
| 16.49 | 20.92 | 25.06 | 25.88 | 29.14 | 31.57 | 33.18 | 37.20 | 38.00 | 42.16 | 45.19 | 46.79 | 53.15 | 61.09 | 69.01 | 70.59 | 4.615 | 39 | 180 |
| 21.17 | 25.38 | 29.40 | 30.20 | 33.40 | 35.79 | 37.39 | 41.37 | 42.16 | 46.28 | 49.29 | 50.88 | 57.21 | 65.12 | 73.02 | 74.60 | 4.667 | 30 | 140 |
| | 15.34 | 19.90 | 20.77 | 24.20 | 26.72 | 28.38 | 32.50 | 33.31 | 37.54 | 40.61 | 42.22 | 48.65 | 56.63 | 64.59 | 66.18 | 4.667 | 48 | 224 |
| 16.55 | 20.99 | 25.12 | 25.95 | 29.21 | 31.64 | 33.25 | 37.27 | 38.07 | 42.23 | 45.26 | 46.86 | 53.22 | 61.16 | 69.08 | 70.67 | 4.737 | 38 | 180 |
| 21.23 | 25.45 | 29.47 | 30.28 | 33.47 | 35.87 | 37.46 | 41.44 | 42.23 | 46.36 | 49.37 | 50.95 | 57.29 | 65.20 | 73.10 | 74.68 | 4.828 | 29 | 140 |
| 16.62 | 21.05 | 25.19 | 26.01 | 29.28 | 31.70 | 33.32 | 37.34 | 38.14 | 42.30 | 45.34 | 46.93 | 53.30 | 61.23 | 69.16 | 70.74 | 4.865 | 37 | 180 |
| | 15.51 | 20.08 | 20.96 | 24.39 | 26.91 | 28.58 | 32.70 | 33.52 | 37.75 | 40.82 | 42.43 | 48.86 | 56.85 | 64.81 | 66.40 | 4.978 | 45 | 224 |
| 21.30 | 25.52 | 29.54 | 30.35 | 33.55 | 35.94 | 37.53 | 41.51 | 42.30 | 46.43 | 49.44 | 51.03 | 57.36 | 65.27 | 73.17 | 74.75 | 5.000 | 28 | 140 |
| 16.68 | 21.12 | 25.26 | 26.08 | 29.34 | 31.77 | 33.39 | 37.41 | 38.21 | 42.38 | 45.41 | 47.00 | 53.37 | 61.31 | 69.23 | 70.81 | 5.000 | 36 | 180 |
| 24.30 | 28.46 | 32.44 | 33.24 | 36.41 | 38.79 | 40.38 | 44.34 | 45.13 | 49.24 | 52.24 | 53.82 | 60.14 | 68.04 | 75.93 | 77.51 | 5.091 | 22 | 112 |
| 16.74 | 21.18 | 25.33 | 26.15 | 29.41 | 31.84 | 33.46 | 37.48 | 38.28 | 42.45 | 45.48 | 47.07 | 53.44 | 61.38 | 69.30 | 70.89 | 5.143 | 35 | 180 |
| 21.37 | 25.59 | 29.61 | 30.42 | 33.62 | 36.01 | 37.60 | 41.58 | 42.38 | 46.50 | 49.52 | 51.10 | 57.44 | 65.34 | 73.25 | 74.83 | 5.185 | 27 | 140 |
| 16.80 | 21.25 | 25.39 | 26.22 | 29.48 | 31.91 | 33.53 | 37.55 | 38.35 | 42.52 | 45.55 | 47.15 | 53.51 | 61.45 | 69.38 | 70.96 | 5.294 | 34 | 180 |
| | 15.69 | 20.27 | 21.15 | 24.59 | 27.11 | 28.78 | 32.90 | 33.72 | 37.95 | 41.03 | 42.64 | 49.07 | 57.06 | 65.03 | 66.62 | 5.333 | 42 | 224 |
| 21.44 | 25.66 | 29.68 | 30.49 | 33.69 | 36.08 | 37.67 | 41.66 | 42.45 | 46.58 | 49.59 | 51.17 | 57.51 | 65.42 | 73.32 | 74.90 | 5.385 | 26 | 140 |
| 16.87 | 21.31 | 25.46 | 26.28 | 29.55 | 31.98 | 33.60 | 37.62 | 38.42 | 42.59 | 45.62 | 47.22 | 53.59 | 61.53 | 69.45 | 71.04 | 5.455 | 33 | 180 |
| | 15.75 | 20.33 | 21.21 | 24.65 | 27.18 | 28.84 | 32.97 | 33.79 | 38.02 | 41.10 | 42.71 | 49.14 | 57.14 | 65.10 | 66.69 | 5.463 | 41 | 224 |
| 21.51 | 25.73 | 29.75 | 30.56 | 33.76 | 36.15 | 37.75 | 41.73 | 42.52 | 46.65 | 49.66 | 51.25 | 57.58 | 65.49 | 73.40 | 74.98 | 5.600 | 25 | 140 |
| | 15.81 | 20.39 | 21.28 | 24.72 | 27.24 | 28.91 | 33.04 | 33.85 | 38.09 | 41.17 | 42.78 | 49.21 | 57.21 | 65.17 | 66.76 | 5.600 | 40 | 224 |
| 16.93 | 21.38 | 25.53 | 26.35 | 29.62 | 32.05 | 33.67 | 37.69 | 38.49 | 42.66 | 45.69 | 47.29 | 53.66 | 61.60 | 69.53 | 71.11 | 5.625 | 32 | 180 |
| | 15.86 | 20.46 | 21.34 | 24.78 | 27.31 | 28.97 | 33.10 | 33.92 | 38.16 | 41.23 | 42.85 | 49.28 | 57.28 | 65.25 | 66.84 | 5.744 | 39 | 224 |
| 16.99 | 21.44 | 25.59 | 26.42 | 29.69 | 32.12 | 33.74 | 37.76 | 38.57 | 42.73 | 45.76 | 47.36 | 53.73 | 61.67 | 69.60 | 71.18 | 5.806 | 31 | 180 |
| | 15.92 | 20.52 | 21.40 | 24.84 | 27.37 | 29.04 | 33.17 | 33.99 | 38.23 | 41.30 | 42.92 | 49.35 | 57.35 | 65.32 | 66.91 | 5.895 | 38 | 224 |
| 17.05 | 21.51 | 25.66 | 26.48 | 29.75 | 32.19 | 33.80 | 37.83 | 38.64 | 42.80 | 45.84 | 47.43 | 53.80 | 61.75 | 69.67 | 71.26 | 6.000 | 30 | 180 |
| | 15.98 | 20.58 | 21.46 | 24.91 | 27.44 | 29.11 | 33.24 | 34.06 | 38.30 | 41.37 | 42.99 | 49.42 | 57.42 | 65.39 | 66.98 | 6.054 | 37 | 224 |
| 17.12 | 21.57 | 25.73 | 26.55 | 29.82 | 32.26 | 33.87 | 37.91 | 38.71 | 42.87 | 45.91 | 47.50 | 53.88 | 61.82 | 69.75 | 71.33 | 6.207 | 29 | 180 |
| | 16.04 | 20.64 | 21.52 | 24.97 | 27.50 | 29.17 | 33.31 | 34.12 | 38.36 | 41.44 | 43.06 | 49.49 | 57.49 | 65.46 | 67.05 | 6.222 | 36 | 224 |
| 21.71 | 25.94 | 29.96 | 30.77 | 33.97 | 36.37 | 37.96 | 41.95 | 42.74 | 46.87 | 49.88 | 51.47 | 57.81 | 65.72 | 73.62 | 75.20 | 6.364 | 22 | 140 |
| | 16.10 | 20.70 | 21.59 | 25.04 | 27.57 | 29.24 | 33.37 | 34.19 | 38.43 | 41.51 | 43.13 | 49.56 | 57.56 | 65.54 | 67.13 | 6.400 | 35 | 224 |
| 17.18 | 21.64 | 25.79 | 26.62 | 29.89 | 32.32 | 33.94 | 37.98 | 38.78 | 42.94 | 45.98 | 47.58 | 53.95 | 61.89 | 69.82 | 71.41 | 6.429 | 28 | 180 |
| | 16.16 | 20.76 | 21.65 | 25.10 | 27.63 | 29.30 | 33.44 | 34.26 | 38.50 | 41.58 | 43.20 | 49.63 | 57.64 | 65.61 | 67.20 | 6.588 | 34 | 224 |
| 17.24 | 21.70 | 25.86 | 26.69 | 29.96 | 32.39 | 34.01 | 38.04 | 38.85 | 43.02 | 46.05 | 47.65 | 54.02 | 61.97 | 69.89 | 71.48 | 6.667 | 27 | 180 |
| | 16.22 | 20.83 | 21.71 | 25.16 | 27.70 | 29.37 | 33.51 | 34.33 | 38.57 | 41.65 | 43.27 | 49.70 | 57.71 | 65.68 | 67.27 | 6.788 | 33 | 224 |
| 17.30 | 21.77 | 25.93 | 26.75 | 30.03 | 32.46 | 34.08 | 38.11 | 38.92 | 43.09 | 46.12 | 47.72 | 54.09 | 62.04 | 69.97 | 71.55 | 6.923 | 26 | 180 |
| | 16.27 | 20.89 | 21.77 | 25.23 | 27.76 | 29.43 | 33.57 | 34.39 | 38.64 | 41.72 | 43.33 | 49.77 | 57.78 | 65.75 | 67.34 | 7.000 | 32 | 224 |
| 17.36 | 21.83 | 25.99 | 26.82 | 30.09 | 32.53 | 34.15 | 38.19 | 38.99 | 43.16 | 46.19 | 47.79 | 54.17 | 62.11 | 70.04 | 71.63 | 7.200 | 25 | 180 |
| | 16.33 | 20.95 | 21.84 | 25.29 | 27.83 | 29.50 | 33.64 | 34.46 | 38.71 | 41.79 | 43.40 | 49.84 | 57.85 | 65.82 | 67.42 | 7.226 | 31 | 224 |
| | 16.39 | 21.01 | 21.90 | 25.36 | 27.89 | 29.57 | 33.71 | 34.53 | 38.77 | 41.85 | 43.47 | 49.91 | 57.92 | 65.90 | 67.49 | 7.467 | 30 | 224 |
| | 16.45 | 21.07 | 21.96 | 25.42 | 27.96 | 29.63 | 33.77 | 34.59 | 38.84 | 41.92 | 43.54 | 49.99 | 57.99 | 65.97 | 67.56 | 7.724 | 29 | 224 |
| | 16.51 | 21.13 | 22.02 | 25.48 | 28.02 | 29.70 | 33.84 | 34.66 | 38.91 | 41.99 | 43.61 | 50.06 | 58.06 | 66.04 | 67.63 | 8.000 | 28 | 224 |
| 17.55 | 22.02 | 26.19 | 27.02 | 30.30 | 32.74 | 34.36 | 38.39 | 39.20 | 43.37 | 46.41 | 48.00 | 54.38 | 62.33 | 70.26 | 71.85 | 8.182 | 22 | 180 |
| | 16.56 | 21.20 | 22.08 | 25.55 | 28.09 | 29.76 | 33.91 | 34.73 | 38.98 | 42.06 | 43.68 | 50.13 | 58.14 | 66.11 | 67.70 | 8.296 | 27 | 224 |
| | 16.62 | 21.26 | 22.15 | 25.61 | 28.15 | 29.83 | 33.97 | 34.79 | 39.05 | 42.13 | 43.75 | 50.20 | 58.21 | 66.18 | 67.78 | 8.615 | 26 | 224 |
| | 16.68 | 21.32 | 22.21 | 25.68 | 28.22 | 29.89 | 34.04 | 34.86 | 39.12 | 42.20 | 43.82 | 50.27 | 58.28 | 66.26 | 67.85 | 8.960 | 25 | 224 |
| | 16.85 | 21.50 | 22.39 | 25.87 | 28.41 | 30.09 | 34.24 | 35.06 | 39.32 | 42.40 | 44.03 | 50.48 | 58.49 | 66.47 | 68.07 | 10.182 | 22 | 224 |
| 1.18 | 1.22 | 1.26 | 1.26 | 1.29 | 1.31 | 1.32 | 1.35 | 1.36 | 1.38 | 1.40 | 1.41 | 1.45 | 1.49 | 1.52 | 1.53 | Length Factor* | | |

* This length factor must be used to determine the proper belt width.

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

## 14mm Pre-Engineered Drive Selection Table

| Sprocket Combinations | | | | | Center Distance (in) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DriveR | | DriveN | | | | | | | | | | | | | | | |
| Number of Grooves | Pitch Diameter (inches) | Number of Grooves | Pitch Diameter (inches) | Speed Ratio | 14MPCC-994 P.L. 39.13 71 Teeth | 14MPCC-1120 P.L. 44.09 80 Teeth | 14MPCC-1190 P.L. 46.85 85 Teeth | 14MPCC-1260 P.L. 49.61 90 Teeth | 14MPCC-1400 P.L. 55.12 100 Teeth | 14MPCC-1568 P.L.61.73 112 Teeth | 14MPCC-1610 P.L. 63.39 115 Teeth | 14MPCC-1750 P.L. 68.90 125 Teeth | 14MPCC-1890 P.L.74.41 135 Teeth | 14MPCC-1960 P.L. 77.17 140 Teeth | 14MPCC-2100 P.L.82.68 150 Teeth | 14MPCC-2240 P.L. 88.19 160 Teeth | 14MPCC-2310 P.L. 90.94 165 Teeth |
| 28 | 4.912 | 28 | 4.912 | 1.000 | 11.85 | 14.33 | 15.71 | 17.09 | 19.84 | 23.15 | 23.98 | 26.73 | 29.49 | 30.87 | 33.62 | 36.38 | 37.75 |
| 29 | 5.088 | 29 | 5.088 | 1.000 | 11.57 | 14.05 | 15.43 | 16.81 | 19.57 | 22.87 | 23.70 | 26.46 | 29.21 | 30.59 | 33.35 | 36.10 | 37.48 |
| 30 | 5.263 | 30 | 5.263 | 1.000 | 11.30 | 13.78 | 15.16 | 16.54 | 19.29 | 22.60 | 23.43 | 26.18 | 28.94 | 30.32 | 33.07 | 35.83 | 37.20 |
| 31 | 5.439 | 31 | 5.439 | 1.000 | 11.02 | 13.50 | 14.88 | 16.26 | 19.02 | 22.32 | 23.15 | 25.91 | 28.66 | 30.04 | 32.80 | 35.55 | 36.93 |
| 32 | 5.614 | 32 | 5.614 | 1.000 | 10.75 | 13.23 | 14.61 | 15.99 | 18.74 | 22.05 | 22.88 | 25.63 | 28.39 | 29.77 | 32.52 | 35.28 | 36.65 |
| 33 | 5.790 | 33 | 5.790 | 1.000 | 10.47 | 12.95 | 14.33 | 15.71 | 18.47 | 21.77 | 22.60 | 25.36 | 28.11 | 29.49 | 32.25 | 35.00 | 36.38 |
| 34 | 5.965 | 34 | 5.965 | 1.000 | 10.20 | 12.68 | 14.06 | 15.44 | 18.19 | 21.50 | 22.33 | 25.08 | 27.84 | 29.22 | 31.97 | 34.73 | 36.10 |
| 35 | 6.141 | 35 | 6.141 | 1.000 | 9.92 | 12.40 | 13.78 | 15.16 | 17.91 | 21.22 | 22.05 | 24.80 | 27.56 | 28.94 | 31.69 | 34.45 | 35.82 |
| 36 | 6.316 | 36 | 6.316 | 1.000 | 9.64 | 12.12 | 13.50 | 14.88 | 17.64 | 20.94 | 21.77 | 24.53 | 27.28 | 28.66 | 31.42 | 34.17 | 35.55 |
| 37 | 6.492 | 37 | 6.492 | 1.000 | 9.37 | 11.85 | 13.23 | 14.61 | 17.36 | 20.67 | 21.50 | 24.25 | 27.01 | 28.39 | 31.14 | 33.90 | 35.27 |
| 38 | 6.667 | 38 | 6.667 | 1.000 | 9.09 | 11.57 | 12.95 | 14.33 | 17.09 | 20.39 | 21.22 | 23.98 | 26.73 | 28.11 | 30.87 | 33.62 | 35.00 |
| 39 | 6.842 | 39 | 6.842 | 1.000 | 8.82 | 11.30 | 12.68 | 14.06 | 16.81 | 20.12 | 20.95 | 23.70 | 26.46 | 27.84 | 30.59 | 33.35 | 34.72 |
| 40 | 7.018 | 40 | 7.018 | 1.000 | 8.54 | 11.02 | 12.40 | 13.78 | 16.54 | 19.84 | 20.67 | 23.43 | 26.18 | 27.56 | 30.32 | 33.07 | 34.45 |
| 43 | 7.544 | 43 | 7.544 | 1.000 | | 10.19 | 11.57 | 12.95 | 15.71 | 19.01 | 19.84 | 22.60 | 25.35 | 26.73 | 29.49 | 32.24 | 33.62 |
| 45 | 7.895 | 45 | 7.895 | 1.000 | | 9.64 | 11.02 | 12.40 | 15.16 | 18.46 | 19.29 | 22.05 | 24.80 | 26.18 | 28.94 | 31.69 | 33.07 |
| 48 | 8.421 | 48 | 8.421 | 1.000 | | | 10.20 | 11.58 | 14.33 | 17.64 | 18.47 | 21.22 | 23.98 | 25.36 | 28.11 | 30.87 | 32.24 |
| 50 | 8.772 | 50 | 8.772 | 1.000 | | | 9.65 | 11.03 | 13.78 | 17.09 | 17.92 | 20.67 | 23.43 | 24.81 | 27.56 | 30.32 | 31.69 |
| 53 | 9.299 | 53 | 9.299 | 1.000 | | | | 10.20 | 12.95 | 16.26 | 17.09 | 19.84 | 22.60 | 23.98 | 26.73 | 29.49 | 30.86 |
| 56 | 9.825 | 56 | 9.825 | 1.000 | | | | | 12.13 | 15.43 | 16.26 | 19.02 | 21.77 | 23.15 | 25.91 | 28.66 | 30.04 |
| 60 | 10.527 | 60 | 10.527 | 1.000 | | | | | | 14.33 | 15.16 | 17.91 | 20.67 | 22.05 | 24.80 | 27.56 | 28.93 |
| 63 | 11.053 | 63 | 11.053 | 1.000 | | | | | | 13.50 | 14.33 | 17.09 | 19.84 | 21.22 | 23.98 | 26.73 | 28.11 |
| 67 | 11.755 | 67 | 11.755 | 1.000 | | | | | | | 13.23 | 15.99 | 18.74 | 20.12 | 22.88 | 25.63 | 27.01 |
| 71 | 12.457 | 71 | 12.457 | 1.000 | | | | | | | | 14.88 | 17.64 | 19.02 | 21.77 | 24.53 | 25.90 |
| 75 | 13.158 | 75 | 13.158 | 1.000 | | | | | | | | | 16.54 | 17.92 | 20.67 | 23.43 | 24.80 |
| 80 | 14.036 | 80 | 14.036 | 1.000 | | | | | | | | | 15.16 | 16.54 | 19.29 | 22.05 | 23.42 |
| 38 | 6.667 | 39 | 6.842 | 1.026 | 8.95 | 11.43 | 12.81 | 14.19 | 16.95 | 20.25 | 21.08 | 23.84 | 26.59 | 27.97 | 30.73 | 33.48 | 34.86 |
| 39 | 6.842 | 40 | 7.018 | 1.026 | 8.68 | 11.16 | 12.54 | 13.92 | 16.67 | 19.98 | 20.81 | 23.56 | 26.32 | 27.70 | 30.45 | 33.21 | 34.58 |
| 37 | 6.492 | 38 | 6.667 | 1.027 | 9.23 | 11.71 | 13.09 | 14.47 | 17.22 | 20.53 | 21.36 | 24.11 | 26.87 | 28.25 | 31.00 | 33.76 | 35.13 |
| 36 | 6.316 | 37 | 6.492 | 1.028 | 9.51 | 11.99 | 13.37 | 14.75 | 17.50 | 20.81 | 21.64 | 24.39 | 27.15 | 28.53 | 31.28 | 34.04 | 35.41 |
| 34 | 5.965 | 35 | 6.141 | 1.029 | 10.06 | 12.54 | 13.92 | 15.30 | 18.05 | 21.36 | 22.19 | 24.94 | 27.70 | 29.08 | 31.83 | 34.59 | 35.96 |
| 35 | 6.141 | 36 | 6.316 | 1.029 | 9.78 | 12.26 | 13.64 | 15.02 | 17.78 | 21.08 | 21.91 | 24.67 | 27.42 | 28.80 | 31.56 | 34.31 | 35.69 |
| 33 | 5.790 | 34 | 5.965 | 1.030 | 10.33 | 12.81 | 14.19 | 15.57 | 18.33 | 21.63 | 22.46 | 25.22 | 27.97 | 29.35 | 32.11 | 34.86 | 36.24 |
| 32 | 5.614 | 33 | 5.790 | 1.031 | 10.61 | 13.09 | 14.47 | 15.85 | 18.60 | 21.91 | 22.74 | 25.49 | 28.25 | 29.63 | 32.38 | 35.14 | 36.51 |
| 31 | 5.439 | 32 | 5.614 | 1.032 | 10.88 | 13.36 | 14.74 | 16.12 | 18.88 | 22.18 | 23.01 | 25.77 | 28.52 | 29.90 | 32.66 | 35.41 | 36.79 |
| 30 | 5.263 | 31 | 5.439 | 1.033 | 11.16 | 13.64 | 15.02 | 16.40 | 19.15 | 22.46 | 23.29 | 26.04 | 28.80 | 30.18 | 32.93 | 35.69 | 37.06 |
| 29 | 5.088 | 30 | 5.263 | 1.034 | 11.44 | 13.92 | 15.30 | 16.68 | 19.43 | 22.74 | 23.57 | 26.32 | 29.08 | 30.46 | 33.21 | 35.97 | 37.34 |
| 28 | 4.912 | 29 | 5.088 | 1.036 | 11.71 | 14.19 | 15.57 | 16.95 | 19.71 | 23.01 | 23.84 | 26.60 | 29.35 | 30.73 | 33.49 | 36.24 | 37.62 |
| 48 | 8.421 | 50 | 8.772 | 1.042 | | | 9.92 | 11.30 | 14.06 | 17.36 | 18.19 | 20.95 | 23.70 | 25.08 | 27.84 | 30.59 | 31.97 |
| 43 | 7.544 | 45 | 7.895 | 1.047 | | 9.92 | 11.30 | 12.68 | 15.43 | 18.74 | 19.57 | 22.32 | 25.08 | 26.46 | 29.21 | 31.97 | 33.34 |
| 60 | 10.527 | 63 | 11.053 | 1.050 | | | | | | 13.91 | 14.74 | 17.50 | 20.25 | 21.63 | 24.39 | 27.14 | 28.52 |
| 38 | 6.667 | 40 | 7.018 | 1.053 | 8.82 | 11.30 | 12.68 | 14.06 | 16.81 | 20.12 | 20.95 | 23.70 | 26.46 | 27.84 | 30.59 | 33.35 | 34.72 |
| 37 | 6.492 | 39 | 6.842 | 1.054 | 9.09 | 11.57 | 12.95 | 14.33 | 17.09 | 20.39 | 21.22 | 23.98 | 26.73 | 28.11 | 30.87 | 33.62 | 35.00 |
| 36 | 6.316 | 38 | 6.667 | 1.056 | 9.37 | 11.85 | 13.23 | 14.61 | 17.36 | 20.67 | 21.50 | 24.25 | 27.01 | 28.39 | 31.14 | 33.90 | 35.27 |
| 71 | 12.457 | 75 | 13.158 | 1.056 | | | | | | | | 14.33 | 17.08 | 18.46 | 21.22 | 23.97 | 25.35 |
| 35 | 6.141 | 37 | 6.492 | 1.057 | 9.64 | 12.12 | 13.50 | 14.88 | 17.64 | 20.94 | 21.77 | 24.53 | 27.28 | 28.66 | 31.42 | 34.17 | 35.55 |
| 53 | 9.299 | 56 | 9.825 | 1.057 | | | | | 12.54 | 15.84 | 16.67 | 19.43 | 22.18 | 23.56 | 26.32 | 29.07 | 30.45 |
| 34 | 5.965 | 36 | 6.316 | 1.059 | 9.92 | 12.40 | 13.78 | 15.16 | 17.91 | 21.22 | 22.05 | 24.80 | 27.56 | 28.94 | 31.69 | 34.45 | 35.82 |
| 50 | 8.772 | 53 | 9.299 | 1.060 | | | | 10.61 | 13.36 | 16.67 | 17.50 | 20.26 | 23.01 | 24.39 | 27.15 | 29.90 | 31.28 |
| 67 | 11.755 | 71 | 12.457 | 1.060 | | | | | | | | 15.43 | 18.19 | 19.57 | 22.32 | 25.08 | 26.45 |
| 33 | 5.790 | 35 | 6.141 | 1.061 | 10.19 | 12.67 | 14.05 | 15.43 | 18.19 | 21.49 | 22.32 | 25.08 | 27.83 | 29.21 | 31.97 | 34.72 | 36.10 |
| 32 | 5.614 | 34 | 5.965 | 1.063 | 10.47 | 12.95 | 14.33 | 15.71 | 18.47 | 21.77 | 22.60 | 25.36 | 28.11 | 29.49 | 32.25 | 35.00 | 36.38 |
| 63 | 11.053 | 67 | 11.755 | 1.063 | | | | | | 12.95 | 13.78 | 16.53 | 19.29 | 20.67 | 23.42 | 26.18 | 27.55 |
| 31 | 5.439 | 33 | 5.790 | 1.065 | 10.74 | 13.22 | 14.60 | 15.98 | 18.74 | 22.05 | 22.88 | 25.63 | 28.39 | 29.77 | 32.52 | 35.28 | 36.65 |
| 30 | 5.263 | 32 | 5.614 | 1.067 | 11.02 | 13.50 | 14.88 | 16.26 | 19.02 | 22.32 | 23.15 | 25.91 | 28.66 | 30.04 | 32.80 | 35.55 | 36.93 |
| 45 | 7.895 | 48 | 8.421 | 1.067 | | 9.23 | 10.61 | 11.99 | 14.74 | 18.05 | 18.88 | 21.63 | 24.39 | 25.77 | 28.52 | 31.28 | 32.65 |
| 75 | 13.158 | 80 | 14.036 | 1.067 | | | | | | | | | 15.84 | 17.22 | 19.98 | 22.73 | 24.11 |
| 29 | 5.088 | 31 | 5.439 | 1.069 | 11.30 | 13.78 | 15.16 | 16.54 | 19.29 | 22.60 | 23.43 | 26.18 | 28.94 | 30.32 | 33.07 | 35.83 | 37.20 |
| 28 | 4.912 | 30 | 5.263 | 1.071 | 11.57 | 14.05 | 15.43 | 16.81 | 19.57 | 22.87 | 23.70 | 26.46 | 29.21 | 30.59 | 33.35 | 36.10 | 37.48 |
| 56 | 9.825 | 60 | 10.527 | 1.071 | | | | | 11.57 | 14.88 | 15.71 | 18.46 | 21.22 | 22.60 | 25.35 | 28.11 | 29.48 |
| 40 | 7.018 | 43 | 7.544 | 1.075 | 8.12 | 10.60 | 11.99 | 13.37 | 16.12 | 19.43 | 20.26 | 23.01 | 25.77 | 27.15 | 29.90 | 32.66 | 34.03 |
| 37 | 6.492 | 40 | 7.018 | 1.081 | 8.95 | 11.43 | 12.81 | 14.19 | 16.95 | 20.25 | 21.08 | 23.84 | 26.59 | 27.97 | 30.73 | 33.48 | 34.86 |
| 36 | 6.316 | 39 | 6.842 | 1.083 | 9.23 | 11.71 | 13.09 | 14.47 | 17.22 | 20.53 | 21.36 | 24.11 | 26.87 | 28.25 | 31.00 | 33.76 | 35.13 |
| 35 | 6.141 | 38 | 6.667 | 1.086 | 9.50 | 11.98 | 13.36 | 14.74 | 17.50 | 20.80 | 21.63 | 24.39 | 27.14 | 28.52 | 31.28 | 34.03 | 35.41 |
| 34 | 5.965 | 37 | 6.492 | 1.088 | 9.78 | 12.26 | 13.64 | 15.02 | 17.77 | 21.08 | 21.91 | 24.66 | 27.42 | 28.80 | 31.56 | 34.31 | 35.69 |
| 33 | 5.790 | 36 | 6.316 | 1.091 | 10.05 | 12.53 | 13.91 | 15.29 | 18.05 | 21.36 | 22.19 | 24.94 | 27.70 | 29.08 | 31.83 | 34.59 | 35.96 |
| 32 | 5.614 | 35 | 6.141 | 1.094 | 10.33 | 12.81 | 14.19 | 15.57 | 18.33 | 21.63 | 22.46 | 25.22 | 27.97 | 29.35 | 32.11 | 34.86 | 36.24 |
| 31 | 5.439 | 34 | 5.965 | 1.097 | 10.61 | 13.09 | 14.47 | 15.85 | 18.60 | 21.91 | 22.74 | 25.49 | 28.25 | 29.63 | 32.38 | 35.14 | 36.51 |
| 30 | 5.263 | 33 | 5.790 | 1.100 | 10.88 | 13.36 | 14.74 | 16.12 | 18.88 | 22.18 | 23.01 | 25.77 | 28.52 | 29.90 | 32.66 | 35.41 | 36.79 |
| 29 | 5.088 | 32 | 5.614 | 1.103 | 11.16 | 13.64 | 15.02 | 16.40 | 19.15 | 22.46 | 23.29 | 26.04 | 28.80 | 30.18 | 32.93 | 35.69 | 37.06 |
| 39 | 6.842 | 43 | 7.544 | 1.103 | 8.26 | 10.74 | 12.12 | 13.50 | 16.26 | 19.56 | 20.39 | 23.15 | 25.90 | 27.28 | 30.04 | 32.79 | 34.17 |
| 48 | 8.421 | 53 | 9.299 | 1.104 | | | | 10.88 | 13.64 | 16.94 | 17.77 | 20.53 | 23.28 | 24.66 | 27.42 | 30.17 | 31.55 |
| Length Factor* | | | | | 0.68 | 0.73 | 0.75 | 0.77 | 0.81 | 0.85 | 0.86 | 0.89 | 0.92 | 0.94 | 0.96 | 0.99 | 1.00 |

* This length factor must be used to determine the proper belt width.

## 14mm Pre-Engineered Drive Selection Table

| Center Distance (in) | | | | | | | | | | | | | | Speed Ratio | Sprocket Combinations | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | DriveN | DriveN |
| 14MPCC-2380 P.L. 93.70 170 Teeth | 14MPCC-2450 P.L. 96.46 175 Teeth | 14MPCC-2530 P.L. 99.21 180 Teeth | 14MPCC-2590 P.L. 101.97 185 Teeth | 14MPCC-2660 P.L. 104.72 190 Teeth | 14MPCC-2800 P.L.110.24 200 Teeth | 14MPCC-3136 P.L. 123.46 224 Teeth | 14MPCC-3304 P.L. 130.08 236 Teeth | 14MPCC-3360 P.L.132.28 240 Teeth | 14MPCC-3500 P.L. 137.79 250 Teeth | 14MPCC-3850 P.L.151.57 275 Teeth | 14MPCC-3920 P.L. 154.33 280 Teeth | 14MPCC-4326 P.L. 170.31 309 Teeth | 14MPCC-4410 P.L.173.62 315 Teeth | | Number of Grooves | Pitch Diameter (inches) |
| 39.13 | 40.51 | 41.89 | 43.27 | 44.64 | 47.40 | 54.01 | 57.32 | 58.42 | 61.18 | 68.07 | 69.45 | 77.44 | 79.09 | 1.000 | 28 | 28 |
| 38.86 | 40.24 | 41.61 | 42.99 | 44.37 | 47.13 | 53.74 | 57.05 | 58.15 | 60.90 | 67.79 | 69.17 | 77.16 | 78.82 | 1.000 | 29 | 29 |
| 38.58 | 39.96 | 41.34 | 42.72 | 44.09 | 46.85 | 53.46 | 56.77 | 57.87 | 60.63 | 67.52 | 68.90 | 76.89 | 78.54 | 1.000 | 30 | 30 |
| 38.31 | 39.69 | 41.06 | 42.44 | 43.82 | 46.58 | 53.19 | 56.50 | 57.60 | 60.35 | 67.24 | 68.62 | 76.61 | 78.27 | 1.000 | 31 | 31 |
| 38.03 | 39.41 | 40.79 | 42.17 | 43.54 | 46.30 | 52.91 | 56.22 | 57.32 | 60.08 | 66.97 | 68.35 | 76.34 | 77.99 | 1.000 | 32 | 32 |
| 37.76 | 39.14 | 40.51 | 41.89 | 43.27 | 46.03 | 52.64 | 55.95 | 57.05 | 59.80 | 66.69 | 68.07 | 76.06 | 77.72 | 1.000 | 33 | 33 |
| 37.48 | 38.86 | 40.24 | 41.62 | 42.99 | 45.75 | 52.36 | 55.67 | 56.77 | 59.53 | 66.42 | 67.80 | 75.79 | 77.44 | 1.000 | 34 | 34 |
| 37.20 | 38.58 | 39.96 | 41.34 | 42.71 | 45.47 | 52.08 | 55.39 | 56.49 | 59.25 | 66.14 | 67.52 | 75.51 | 77.16 | 1.000 | 35 | 35 |
| 36.93 | 38.31 | 39.68 | 41.06 | 42.44 | 45.20 | 51.81 | 55.12 | 56.22 | 58.97 | 65.86 | 67.24 | 75.23 | 76.89 | 1.000 | 36 | 36 |
| 36.65 | 38.03 | 39.41 | 40.79 | 42.16 | 44.92 | 51.53 | 54.84 | 55.94 | 58.70 | 65.59 | 66.97 | 74.96 | 76.61 | 1.000 | 37 | 37 |
| 36.38 | 37.76 | 39.13 | 40.51 | 41.89 | 44.65 | 51.26 | 54.57 | 55.67 | 58.42 | 65.31 | 66.69 | 74.68 | 76.34 | 1.000 | 38 | 38 |
| 36.10 | 37.48 | 38.86 | 40.24 | 41.61 | 44.37 | 50.98 | 54.29 | 55.39 | 58.15 | 65.04 | 66.42 | 74.41 | 76.06 | 1.000 | 39 | 39 |
| 35.83 | 37.21 | 38.58 | 39.96 | 41.34 | 44.10 | 50.71 | 54.02 | 55.12 | 57.87 | 64.76 | 66.14 | 74.13 | 75.79 | 1.000 | 40 | 40 |
| 35.00 | 36.38 | 37.75 | 39.13 | 40.51 | 43.27 | 49.88 | 53.19 | 54.29 | 57.04 | 63.93 | 65.31 | 73.30 | 74.96 | 1.000 | 43 | 43 |
| 34.45 | 35.83 | 37.20 | 38.58 | 39.96 | 42.72 | 49.33 | 52.64 | 53.74 | 56.49 | 63.38 | 64.76 | 72.75 | 74.41 | 1.000 | 45 | 45 |
| 33.62 | 35.00 | 36.38 | 37.76 | 39.13 | 41.89 | 48.50 | 51.81 | 52.91 | 55.67 | 62.56 | 63.94 | 71.93 | 73.58 | 1.000 | 48 | 48 |
| 33.07 | 34.45 | 35.83 | 37.21 | 38.58 | 41.34 | 47.95 | 51.26 | 52.36 | 55.12 | 62.01 | 63.39 | 71.38 | 73.03 | 1.000 | 50 | 50 |
| 32.24 | 33.62 | 35.00 | 36.38 | 37.75 | 40.51 | 47.12 | 50.43 | 51.53 | 54.29 | 61.18 | 62.56 | 70.55 | 72.20 | 1.000 | 53 | 53 |
| 31.42 | 32.80 | 34.17 | 35.55 | 36.93 | 39.69 | 46.30 | 49.61 | 50.71 | 53.46 | 60.35 | 61.73 | 69.72 | 71.38 | 1.000 | 56 | 56 |
| 30.31 | 31.69 | 33.07 | 34.45 | 35.82 | 38.58 | 45.19 | 48.50 | 49.60 | 52.36 | 59.25 | 60.63 | 68.62 | 70.27 | 1.000 | 60 | 60 |
| 29.49 | 30.87 | 32.24 | 33.62 | 35.00 | 37.76 | 44.37 | 47.68 | 48.78 | 51.53 | 58.42 | 59.80 | 67.79 | 69.45 | 1.000 | 63 | 63 |
| 28.39 | 29.77 | 31.14 | 32.52 | 33.90 | 36.66 | 43.27 | 46.58 | 47.68 | 50.43 | 57.32 | 58.70 | 66.69 | 68.35 | 1.000 | 67 | 67 |
| 27.28 | 28.66 | 30.04 | 31.42 | 32.79 | 35.55 | 42.16 | 45.47 | 46.57 | 49.33 | 56.22 | 57.60 | 65.59 | 67.24 | 1.000 | 71 | 71 |
| 26.18 | 27.56 | 28.94 | 30.32 | 31.69 | 34.45 | 41.06 | 44.37 | 45.47 | 48.23 | 55.12 | 56.50 | 64.49 | 66.14 | 1.000 | 75 | 75 |
| 24.80 | 26.18 | 27.56 | 28.94 | 30.31 | 33.07 | 39.68 | 42.99 | 44.09 | 46.85 | 53.74 | 55.12 | 63.11 | 64.76 | 1.000 | 80 | 80 |
| 36.24 | 37.62 | 38.99 | 40.37 | 41.75 | 44.51 | 51.12 | 54.43 | 55.53 | 58.28 | 65.17 | 66.55 | 74.55 | 76.20 | 1.026 | 38 | 39 |
| 35.96 | 37.34 | 38.72 | 40.10 | 41.47 | 44.23 | 50.84 | 54.15 | 55.25 | 58.01 | 64.90 | 66.28 | 74.27 | 75.92 | 1.026 | 39 | 40 |
| 36.51 | 37.89 | 39.27 | 40.65 | 42.02 | 44.78 | 51.39 | 54.70 | 55.80 | 58.56 | 65.45 | 66.83 | 74.82 | 76.47 | 1.027 | 37 | 38 |
| 36.79 | 38.17 | 39.55 | 40.93 | 42.30 | 45.06 | 51.67 | 54.98 | 56.08 | 58.84 | 65.73 | 67.11 | 75.10 | 76.75 | 1.028 | 36 | 37 |
| 37.34 | 38.72 | 40.10 | 41.48 | 42.85 | 45.61 | 52.22 | 55.53 | 56.63 | 59.39 | 66.28 | 67.66 | 75.65 | 77.30 | 1.029 | 34 | 35 |
| 37.07 | 38.45 | 39.82 | 41.20 | 42.58 | 45.34 | 51.95 | 55.26 | 56.36 | 59.11 | 66.00 | 67.38 | 75.37 | 77.03 | 1.029 | 35 | 36 |
| 37.62 | 39.00 | 40.37 | 41.75 | 43.13 | 45.89 | 52.50 | 55.81 | 56.91 | 59.66 | 66.55 | 67.93 | 75.92 | 77.58 | 1.030 | 33 | 34 |
| 37.89 | 39.27 | 40.65 | 42.03 | 43.40 | 46.16 | 52.77 | 56.08 | 57.18 | 59.94 | 66.83 | 68.21 | 76.20 | 77.85 | 1.031 | 32 | 33 |
| 38.17 | 39.55 | 40.92 | 42.30 | 43.68 | 46.44 | 53.05 | 56.36 | 57.46 | 60.21 | 67.10 | 68.48 | 76.47 | 78.13 | 1.032 | 31 | 32 |
| 38.44 | 39.82 | 41.20 | 42.58 | 43.95 | 46.71 | 53.32 | 56.63 | 57.73 | 60.49 | 67.38 | 68.76 | 76.75 | 78.40 | 1.033 | 30 | 31 |
| 38.72 | 40.10 | 41.48 | 42.86 | 44.23 | 46.99 | 53.60 | 56.91 | 58.01 | 60.77 | 67.66 | 69.04 | 77.03 | 78.68 | 1.034 | 29 | 30 |
| 39.00 | 40.38 | 41.75 | 43.13 | 44.51 | 47.27 | 53.88 | 57.19 | 58.29 | 61.04 | 67.93 | 69.31 | 77.30 | 78.96 | 1.036 | 28 | 29 |
| 33.35 | 34.73 | 36.10 | 37.48 | 38.86 | 41.62 | 48.23 | 51.54 | 52.64 | 55.39 | 62.28 | 63.66 | 71.65 | 73.31 | 1.042 | 48 | 50 |
| 34.72 | 36.10 | 37.48 | 38.86 | 40.23 | 42.99 | 49.60 | 52.91 | 54.01 | 56.77 | 63.66 | 65.04 | 73.03 | 74.68 | 1.047 | 43 | 45 |
| 29.90 | 31.28 | 32.66 | 34.04 | 35.41 | 38.17 | 44.78 | 48.09 | 49.19 | 51.95 | 58.84 | 60.22 | 68.21 | 69.86 | 1.050 | 60 | 63 |
| 36.10 | 37.48 | 38.86 | 40.24 | 41.61 | 44.37 | 50.98 | 54.29 | 55.39 | 58.15 | 65.04 | 66.42 | 74.41 | 76.06 | 1.053 | 38 | 40 |
| 36.38 | 37.76 | 39.13 | 40.51 | 41.89 | 44.65 | 51.26 | 54.57 | 55.67 | 58.42 | 65.31 | 66.69 | 74.68 | 76.34 | 1.054 | 37 | 39 |
| 36.65 | 38.03 | 39.41 | 40.79 | 42.16 | 44.92 | 51.53 | 54.84 | 55.94 | 58.70 | 65.59 | 66.97 | 74.96 | 76.61 | 1.056 | 36 | 38 |
| 26.73 | 28.11 | 29.48 | 30.87 | 32.24 | 35.00 | 41.61 | 44.92 | 46.02 | 48.78 | 55.67 | 57.05 | 65.04 | 66.69 | 1.056 | 71 | 75 |
| 36.93 | 38.31 | 39.68 | 41.06 | 42.44 | 45.20 | 51.81 | 55.12 | 56.22 | 58.97 | 65.86 | 67.24 | 75.23 | 76.89 | 1.057 | 35 | 37 |
| 31.83 | 33.21 | 34.58 | 35.96 | 37.34 | 40.10 | 46.71 | 50.02 | 51.12 | 53.87 | 60.76 | 62.14 | 70.13 | 71.79 | 1.057 | 53 | 56 |
| 37.20 | 38.58 | 39.96 | 41.34 | 42.71 | 45.47 | 52.08 | 55.39 | 56.49 | 59.25 | 66.14 | 67.52 | 75.51 | 77.16 | 1.059 | 34 | 36 |
| 32.66 | 34.04 | 35.41 | 36.79 | 38.17 | 40.93 | 47.54 | 50.85 | 51.95 | 54.70 | 61.59 | 62.97 | 70.96 | 72.62 | 1.060 | 50 | 53 |
| 27.83 | 29.21 | 30.59 | 31.97 | 33.34 | 36.10 | 42.71 | 46.02 | 47.12 | 49.88 | 56.77 | 58.15 | 66.14 | 67.79 | 1.060 | 67 | 71 |
| 37.48 | 38.86 | 40.23 | 41.61 | 42.99 | 45.75 | 52.36 | 55.67 | 56.77 | 59.52 | 66.41 | 67.79 | 75.78 | 77.44 | 1.061 | 33 | 35 |
| 37.76 | 39.14 | 40.51 | 41.89 | 43.27 | 46.03 | 52.64 | 55.95 | 57.05 | 59.80 | 66.69 | 68.07 | 76.06 | 77.72 | 1.063 | 32 | 34 |
| 28.93 | 30.31 | 31.69 | 33.07 | 34.44 | 37.20 | 43.82 | 47.13 | 48.23 | 50.98 | 57.87 | 59.25 | 67.24 | 68.90 | 1.063 | 63 | 67 |
| 38.03 | 39.41 | 40.79 | 42.17 | 43.54 | 46.30 | 52.91 | 56.22 | 57.32 | 60.08 | 66.97 | 68.35 | 76.34 | 77.99 | 1.065 | 31 | 33 |
| 38.31 | 39.69 | 41.06 | 42.44 | 43.82 | 46.58 | 53.19 | 56.50 | 57.60 | 60.35 | 67.24 | 68.62 | 76.61 | 78.27 | 1.067 | 30 | 32 |
| 34.03 | 35.41 | 36.79 | 38.17 | 39.54 | 42.30 | 48.91 | 52.22 | 53.32 | 56.08 | 62.97 | 64.35 | 72.34 | 73.99 | 1.067 | 45 | 48 |
| 25.49 | 26.87 | 28.24 | 29.62 | 31.00 | 33.76 | 40.37 | 43.68 | 44.78 | 47.53 | 54.43 | 55.81 | 63.80 | 65.45 | 1.067 | 75 | 80 |
| 38.58 | 39.96 | 41.34 | 42.72 | 44.09 | 46.85 | 53.46 | 56.77 | 57.87 | 60.63 | 67.52 | 68.90 | 76.89 | 78.54 | 1.069 | 29 | 31 |
| 38.86 | 40.24 | 41.61 | 42.99 | 44.37 | 47.13 | 53.74 | 57.05 | 58.15 | 60.90 | 67.79 | 69.17 | 77.16 | 78.82 | 1.071 | 28 | 30 |
| 30.86 | 32.24 | 33.62 | 35.00 | 36.37 | 39.13 | 45.74 | 49.05 | 50.15 | 52.91 | 59.80 | 61.18 | 69.17 | 70.82 | 1.071 | 56 | 60 |
| 35.41 | 36.79 | 38.17 | 39.55 | 40.92 | 43.68 | 50.29 | 53.60 | 54.70 | 57.46 | 64.35 | 65.73 | 73.72 | 75.37 | 1.075 | 40 | 43 |
| 36.24 | 37.62 | 38.99 | 40.37 | 41.75 | 44.51 | 51.12 | 54.43 | 55.53 | 58.28 | 65.17 | 66.55 | 74.54 | 76.20 | 1.081 | 37 | 40 |
| 36.51 | 37.89 | 39.27 | 40.65 | 42.02 | 44.78 | 51.40 | 54.71 | 55.81 | 58.56 | 65.45 | 66.83 | 74.82 | 76.48 | 1.083 | 36 | 39 |
| 36.79 | 38.17 | 39.54 | 40.92 | 42.30 | 45.06 | 51.67 | 54.98 | 56.08 | 58.84 | 65.73 | 67.11 | 75.10 | 76.75 | 1.086 | 35 | 38 |
| 37.07 | 38.45 | 39.82 | 41.20 | 42.58 | 45.34 | 51.95 | 55.26 | 56.36 | 59.11 | 66.00 | 67.38 | 75.37 | 77.03 | 1.088 | 34 | 37 |
| 37.34 | 38.72 | 40.10 | 41.48 | 42.85 | 45.61 | 52.22 | 55.53 | 56.63 | 59.39 | 66.28 | 67.66 | 75.65 | 77.30 | 1.091 | 33 | 36 |
| 37.62 | 39.00 | 40.37 | 41.75 | 43.13 | 45.89 | 52.50 | 55.81 | 56.91 | 59.66 | 66.55 | 67.93 | 75.92 | 77.58 | 1.094 | 32 | 35 |
| 37.89 | 39.27 | 40.65 | 42.03 | 43.40 | 46.16 | 52.77 | 56.08 | 57.18 | 59.94 | 66.83 | 68.21 | 76.20 | 77.85 | 1.097 | 31 | 34 |
| 38.17 | 39.55 | 40.92 | 42.30 | 43.68 | 46.44 | 53.05 | 56.36 | 57.46 | 60.21 | 67.10 | 68.48 | 76.47 | 78.13 | 1.100 | 30 | 33 |
| 38.44 | 39.82 | 41.20 | 42.58 | 43.95 | 46.71 | 53.32 | 56.63 | 57.73 | 60.49 | 67.38 | 68.76 | 76.75 | 78.40 | 1.103 | 29 | 32 |
| 35.55 | 36.93 | 38.30 | 39.68 | 41.06 | 43.82 | 50.43 | 53.74 | 54.84 | 57.60 | 64.49 | 65.87 | 73.86 | 75.51 | 1.103 | 39 | 43 |
| 32.93 | 34.31 | 35.69 | 37.07 | 38.44 | 41.20 | 47.81 | 51.12 | 52.22 | 54.98 | 61.87 | 63.25 | 71.24 | 72.89 | 1.104 | 48 | 53 |
| 1.01 | 1.02 | 1.03 | 1.04 | 1.05 | 1.07 | 1.12 | 1.14 | 1.14 | 1.16 | 1.19 | 1.20 | 1.24 | 1.25 | Length Factor* | | |

* This length factor must be used to determine the proper belt width.

# QT Power Chain® II Carbon Drive Selection

## 14mm Pre-Engineered Drive Selection Table

| Sprocket Combinations | | | | | Center Distance (in) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DriveR | | DriveN | | | | | | | | | | | | | | | |
| Number of Grooves | Pitch Diameter (inches) | Number of Grooves | Pitch Diameter (inches) | Speed Ratio | 14MPCC-994 P.L. 39.13 71 Teeth | 14MPCC-1120 P.L. 44.09 80 Teeth | 14MPCC-1190 P.L. 46.85 85 Teeth | 14MPCC-1260 P.L. 49.61 90 Teeth | 14MPCC-1400 P.L. 55.12 100 Teeth | 14MPCC-1568 P.L.61.73 112 Teeth | 14MPCC-1610 P.L. 63.39 115 Teeth | 14MPCC-1750 P.L. 68.90 125 Teeth | 14MPCC-1890 P.L.74.41 135 Teeth | 14MPCC-1960 P.L. 77.17 140 Teeth | 14MPCC-2100 P.L.82.68 150 Teeth | 14MPCC-2240 P.L. 88.19 160 Teeth | 14MPCC-2310 P.L. 90.94 165 Teeth |
| 28 | 4.912 | 31 | 5.439 | 1.107 | 11.43 | 13.91 | 15.29 | 16.67 | 19.43 | 22.73 | 23.56 | 26.32 | 29.07 | 30.45 | 33.21 | 35.96 | 37.34 |
| 36 | 6.316 | 40 | 7.018 | 1.111 | 9.09 | 11.57 | 12.95 | 14.33 | 17.08 | 20.39 | 21.22 | 23.97 | 26.73 | 28.11 | 30.87 | 33.62 | 35.00 |
| 45 | 7.895 | 50 | 8.772 | 1.111 | | | 10.33 | 11.71 | 14.46 | 17.77 | 18.60 | 21.36 | 24.11 | 25.49 | 28.25 | 31.00 | 32.38 |
| 35 | 6.141 | 39 | 6.842 | 1.114 | 9.36 | 11.84 | 13.22 | 14.60 | 17.36 | 20.67 | 21.50 | 24.25 | 27.01 | 28.39 | 31.14 | 33.90 | 35.27 |
| 43 | 7.544 | 48 | 8.421 | 1.116 | | 9.50 | 10.88 | 12.26 | 15.01 | 18.32 | 19.15 | 21.91 | 24.66 | 26.04 | 28.80 | 31.55 | 32.93 |
| 60 | 10.527 | 67 | 11.755 | 1.117 | | | | | | 13.35 | 14.18 | 16.94 | 19.70 | 21.08 | 23.83 | 26.59 | 27.96 |
| 34 | 5.965 | 38 | 6.667 | 1.118 | 9.64 | 12.12 | 13.50 | 14.88 | 17.64 | 20.94 | 21.77 | 24.53 | 27.28 | 28.66 | 31.42 | 34.17 | 35.55 |
| 67 | 11.755 | 75 | 13.158 | 1.119 | | | | | | | | 14.87 | 17.62 | 19.01 | 21.76 | 24.52 | 25.89 |
| 50 | 8.772 | 56 | 9.825 | 1.120 | | | | 10.19 | 12.94 | 16.25 | 17.08 | 19.84 | 22.59 | 23.97 | 26.73 | 29.48 | 30.86 |
| 33 | 5.790 | 37 | 6.492 | 1.121 | 9.91 | 12.39 | 13.77 | 15.15 | 17.91 | 21.22 | 22.05 | 24.80 | 27.56 | 28.94 | 31.69 | 34.45 | 35.82 |
| 32 | 5.614 | 36 | 6.316 | 1.125 | 10.19 | 12.67 | 14.05 | 15.43 | 18.19 | 21.49 | 22.32 | 25.08 | 27.83 | 29.21 | 31.97 | 34.72 | 36.10 |
| 40 | 7.018 | 45 | 7.895 | 1.125 | | 10.32 | 11.70 | 13.09 | 15.84 | 19.15 | 19.98 | 22.73 | 25.49 | 26.87 | 29.62 | 32.38 | 33.75 |
| 56 | 9.825 | 63 | 11.053 | 1.125 | | | | | 11.15 | 14.45 | 15.29 | 18.04 | 20.80 | 22.18 | 24.93 | 27.69 | 29.07 |
| 80 | 14.036 | 90 | 15.790 | 1.125 | | | | | | | | | | | 17.89 | 20.65 | 22.03 |
| 63 | 11.053 | 71 | 12.457 | 1.127 | | | | | | | 13.21 | 15.97 | 18.73 | 20.11 | 22.86 | 25.62 | 27.00 |
| 71 | 12.457 | 80 | 14.036 | 1.127 | | | | | | | | | 16.38 | 17.76 | 20.52 | 23.27 | 24.65 |
| 31 | 5.439 | 35 | 6.141 | 1.129 | 10.46 | 12.95 | 14.33 | 15.71 | 18.46 | 21.77 | 22.60 | 25.35 | 28.11 | 29.49 | 32.24 | 35.00 | 36.37 |
| 38 | 6.667 | 43 | 7.544 | 1.132 | 8.39 | 10.87 | 12.26 | 13.64 | 16.39 | 19.70 | 20.53 | 23.28 | 26.04 | 27.42 | 30.18 | 32.93 | 34.31 |
| 53 | 9.299 | 60 | 10.527 | 1.132 | | | | | 11.97 | 15.28 | 16.11 | 18.87 | 21.62 | 23.01 | 25.76 | 28.52 | 29.89 |
| 30 | 5.263 | 34 | 5.965 | 1.133 | 10.74 | 13.22 | 14.60 | 15.98 | 18.74 | 22.04 | 22.87 | 25.63 | 28.38 | 29.76 | 32.52 | 35.27 | 36.65 |
| 29 | 5.088 | 33 | 5.790 | 1.138 | 11.02 | 13.50 | 14.88 | 16.26 | 19.01 | 22.32 | 23.15 | 25.90 | 28.66 | 30.04 | 32.79 | 35.55 | 36.92 |
| 28 | 4.912 | 32 | 5.614 | 1.143 | 11.29 | 13.77 | 15.15 | 16.53 | 19.29 | 22.60 | 23.43 | 26.18 | 28.94 | 30.32 | 33.07 | 35.83 | 37.20 |
| 35 | 6.141 | 40 | 7.018 | 1.143 | 9.22 | 11.70 | 13.08 | 14.46 | 17.22 | 20.53 | 21.36 | 24.11 | 26.87 | 28.25 | 31.00 | 33.76 | 35.13 |
| 34 | 5.965 | 39 | 6.842 | 1.147 | 9.50 | 11.98 | 13.36 | 14.74 | 17.50 | 20.80 | 21.63 | 24.39 | 27.14 | 28.52 | 31.28 | 34.03 | 35.41 |
| 33 | 5.790 | 38 | 6.667 | 1.152 | 9.77 | 12.25 | 13.63 | 15.01 | 17.77 | 21.08 | 21.91 | 24.66 | 27.42 | 28.80 | 31.55 | 34.31 | 35.68 |
| 39 | 6.842 | 45 | 7.895 | 1.154 | | 10.46 | 11.84 | 13.22 | 15.98 | 19.28 | 20.11 | 22.87 | 25.63 | 27.01 | 29.76 | 32.52 | 33.89 |
| 32 | 5.614 | 37 | 6.492 | 1.156 | 10.05 | 12.53 | 13.91 | 15.29 | 18.05 | 21.35 | 22.18 | 24.94 | 27.69 | 29.07 | 31.83 | 34.58 | 35.96 |
| 31 | 5.439 | 36 | 6.316 | 1.161 | 10.32 | 12.81 | 14.19 | 15.57 | 18.32 | 21.63 | 22.46 | 25.21 | 27.97 | 29.35 | 32.10 | 34.86 | 36.23 |
| 37 | 6.492 | 43 | 7.544 | 1.162 | 8.52 | 11.01 | 12.39 | 13.77 | 16.53 | 19.83 | 20.66 | 23.42 | 26.18 | 27.56 | 30.31 | 33.07 | 34.44 |
| 43 | 7.544 | 50 | 8.772 | 1.163 | | 9.21 | 10.59 | 11.97 | 14.73 | 18.04 | 18.87 | 21.63 | 24.38 | 25.76 | 28.52 | 31.27 | 32.65 |
| 30 | 5.263 | 35 | 6.141 | 1.167 | 10.60 | 13.08 | 14.46 | 15.84 | 18.60 | 21.90 | 22.73 | 25.49 | 28.24 | 29.63 | 32.38 | 35.14 | 36.51 |
| 48 | 8.421 | 56 | 9.825 | 1.167 | | | | 10.45 | 13.21 | 16.52 | 17.35 | 20.11 | 22.86 | 24.24 | 27.00 | 29.76 | 31.13 |
| 29 | 5.088 | 34 | 5.965 | 1.172 | 10.88 | 13.36 | 14.74 | 16.12 | 18.87 | 22.18 | 23.01 | 25.77 | 28.52 | 29.90 | 32.66 | 35.41 | 36.79 |
| 34 | 5.965 | 40 | 7.018 | 1.176 | 9.35 | 11.84 | 13.22 | 14.60 | 17.36 | 20.66 | 21.49 | 24.25 | 27.00 | 28.38 | 31.14 | 33.89 | 35.27 |
| 45 | 7.895 | 53 | 9.299 | 1.178 | | | 9.90 | 11.28 | 14.04 | 17.35 | 18.18 | 20.93 | 23.69 | 25.07 | 27.83 | 30.58 | 31.96 |
| 28 | 4.912 | 33 | 5.790 | 1.179 | 11.15 | 13.63 | 15.01 | 16.39 | 19.15 | 22.46 | 23.29 | 26.04 | 28.80 | 30.18 | 32.93 | 35.69 | 37.06 |
| 33 | 5.790 | 39 | 6.842 | 1.182 | 9.63 | 12.11 | 13.49 | 14.87 | 17.63 | 20.94 | 21.77 | 24.52 | 27.28 | 28.66 | 31.41 | 34.17 | 35.54 |
| 60 | 10.527 | 71 | 12.457 | 1.183 | | | | | | 12.78 | 13.61 | 16.37 | 19.13 | 20.51 | 23.27 | 26.03 | 27.40 |
| 38 | 6.667 | 45 | 7.895 | 1.184 | 8.10 | 10.59 | 11.97 | 13.35 | 16.11 | 19.42 | 20.25 | 23.00 | 25.76 | 27.14 | 29.90 | 32.65 | 34.03 |
| 32 | 5.614 | 38 | 6.667 | 1.188 | 9.91 | 12.39 | 13.77 | 15.15 | 17.91 | 21.21 | 22.04 | 24.80 | 27.55 | 28.93 | 31.69 | 34.45 | 35.82 |
| 53 | 9.299 | 63 | 11.053 | 1.189 | | | | | 11.54 | 14.85 | 15.69 | 18.44 | 21.20 | 22.58 | 25.34 | 28.10 | 29.47 |
| 63 | 11.053 | 75 | 13.158 | 1.190 | | | | | | | | 15.40 | 18.16 | 19.54 | 22.30 | 25.06 | 26.43 |
| 31 | 5.439 | 37 | 6.492 | 1.194 | 10.18 | 12.66 | 14.04 | 15.43 | 18.18 | 21.49 | 22.32 | 25.07 | 27.83 | 29.21 | 31.97 | 34.72 | 36.10 |
| 36 | 6.316 | 43 | 7.544 | 1.194 | 8.66 | 11.14 | 12.52 | 13.91 | 16.66 | 19.97 | 20.80 | 23.56 | 26.31 | 27.69 | 30.45 | 33.20 | 34.58 |
| 67 | 11.755 | 80 | 14.036 | 1.194 | | | | | | | | 14.15 | 16.91 | 18.29 | 21.05 | 23.81 | 25.19 |
| 56 | 9.825 | 67 | 11.755 | 1.196 | | | | | | 13.88 | 14.71 | 17.47 | 20.23 | 21.61 | 24.37 | 27.13 | 28.50 |
| 30 | 5.263 | 36 | 6.316 | 1.200 | 10.46 | 12.94 | 14.32 | 15.70 | 18.46 | 21.76 | 22.59 | 25.35 | 28.11 | 29.49 | 32.24 | 35.00 | 36.37 |
| 40 | 7.018 | 48 | 8.421 | 1.200 | | 9.89 | 11.28 | 12.66 | 15.42 | 18.73 | 19.56 | 22.31 | 25.07 | 26.45 | 29.21 | 31.96 | 33.34 |
| 50 | 8.772 | 60 | 10.527 | 1.200 | | | | | 12.37 | 15.68 | 16.51 | 19.27 | 22.03 | 23.41 | 26.17 | 28.92 | 30.30 |
| 75 | 13.158 | 90 | 15.790 | 1.200 | | | | | | | | | | 15.79 | 18.56 | 21.32 | 22.70 |
| 29 | 5.088 | 35 | 6.141 | 1.207 | 10.73 | 13.22 | 14.60 | 15.98 | 18.73 | 22.04 | 22.87 | 25.63 | 28.38 | 29.76 | 32.52 | 35.27 | 36.65 |
| 33 | 5.790 | 40 | 7.018 | 1.212 | 9.49 | 11.97 | 13.35 | 14.73 | 17.49 | 20.80 | 21.63 | 24.38 | 27.14 | 28.52 | 31.27 | 34.03 | 35.41 |
| 28 | 4.912 | 34 | 5.965 | 1.214 | 11.01 | 13.49 | 14.87 | 16.25 | 19.01 | 22.32 | 23.15 | 25.90 | 28.66 | 30.04 | 32.79 | 35.55 | 36.92 |
| 37 | 6.492 | 45 | 7.895 | 1.216 | 8.24 | 10.72 | 12.11 | 13.49 | 16.25 | 19.55 | 20.38 | 23.14 | 25.90 | 27.28 | 30.03 | 32.79 | 34.16 |
| 32 | 5.614 | 39 | 6.842 | 1.219 | 9.76 | 12.25 | 13.63 | 15.01 | 17.77 | 21.07 | 21.90 | 24.66 | 27.42 | 28.80 | 31.55 | 34.31 | 35.68 |
| 31 | 5.439 | 38 | 6.667 | 1.226 | 10.04 | 12.52 | 13.90 | 15.28 | 18.04 | 21.35 | 22.18 | 24.93 | 27.69 | 29.07 | 31.83 | 34.58 | 35.96 |
| 35 | 6.141 | 43 | 7.544 | 1.229 | 8.79 | 11.28 | 12.66 | 14.04 | 16.80 | 20.10 | 20.94 | 23.69 | 26.45 | 27.83 | 30.58 | 33.34 | 34.71 |
| 39 | 6.842 | 48 | 8.421 | 1.231 | | 10.03 | 11.41 | 12.79 | 15.55 | 18.86 | 19.69 | 22.45 | 25.21 | 26.59 | 29.34 | 32.10 | 33.47 |
| 30 | 5.263 | 37 | 6.492 | 1.233 | 10.31 | 12.80 | 14.18 | 15.56 | 18.32 | 21.62 | 22.45 | 25.21 | 27.97 | 29.35 | 32.10 | 34.86 | 36.23 |
| 43 | 7.544 | 53 | 9.299 | 1.233 | | | 10.16 | 11.54 | 14.30 | 17.61 | 18.45 | 21.20 | 23.96 | 25.34 | 28.10 | 30.85 | 32.23 |
| 29 | 5.088 | 36 | 6.316 | 1.241 | 10.59 | 13.07 | 14.46 | 15.84 | 18.59 | 21.90 | 22.73 | 25.49 | 28.24 | 29.62 | 32.38 | 35.13 | 36.51 |
| 45 | 7.895 | 56 | 9.825 | 1.244 | | | | 10.84 | 13.61 | 16.92 | 17.75 | 20.51 | 23.27 | 24.65 | 27.41 | 30.16 | 31.54 |
| 28 | 4.912 | 35 | 6.141 | 1.250 | 10.87 | 13.35 | 14.73 | 16.11 | 18.87 | 22.18 | 23.01 | 25.76 | 28.52 | 29.90 | 32.65 | 35.41 | 36.78 |
| 32 | 5.614 | 40 | 7.018 | 1.250 | 9.62 | 12.10 | 13.49 | 14.87 | 17.62 | 20.93 | 21.76 | 24.52 | 27.27 | 28.66 | 31.41 | 34.17 | 35.54 |
| 36 | 6.316 | 45 | 7.895 | 1.250 | 8.37 | 10.85 | 12.24 | 13.62 | 16.38 | 19.69 | 20.52 | 23.28 | 26.03 | 27.41 | 30.17 | 32.92 | 34.30 |
| 40 | 7.018 | 50 | 8.772 | 1.250 | | 9.60 | 10.99 | 12.37 | 15.13 | 18.44 | 19.27 | 22.03 | 24.79 | 26.17 | 28.93 | 31.68 | 33.06 |
| 48 | 8.421 | 60 | 10.527 | 1.250 | | | | | 12.63 | 15.95 | 16.78 | 19.54 | 22.30 | 23.68 | 26.44 | 29.19 | 30.57 |
| 60 | 10.527 | 75 | 13.158 | 1.250 | | | | | | | 13.03 | 15.79 | 18.56 | 19.94 | 22.70 | 25.46 | 26.84 |
| 31 | 5.439 | 39 | 6.842 | 1.258 | 9.89 | 12.38 | 13.76 | 15.14 | 17.90 | 21.21 | 22.04 | 24.79 | 27.55 | 28.93 | 31.69 | 34.44 | 35.82 |
| 50 | 8.772 | 63 | 11.053 | 1.260 | | | | | 11.93 | 15.25 | 16.08 | 18.84 | 21.60 | 22.99 | 25.74 | 28.50 | 29.88 |
| 38 | 6.667 | 48 | 8.421 | 1.263 | | 10.16 | 11.54 | 12.93 | 15.69 | 18.99 | 19.83 | 22.58 | 25.34 | 26.72 | 29.48 | 32.23 | 33.61 |
| Length Factor* | | | | | 0.68 | 0.73 | 0.75 | 0.77 | 0.81 | 0.85 | 0.86 | 0.89 | 0.92 | 0.94 | 0.96 | 0.99 | 1.00 |

* This length factor must be used to determine the proper belt width.

## 14mm Pre-Engineered Drive Selection Table

| Center Distance (in) | | | | | | | | | | | | | | Speed Ratio | Sprocket Combinations | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | DriveR | DriveN |
| 14MPCC-2380 P.L. 93.70 170 Teeth | 14MPCC-2450 P.L. 96.46 175 Teeth | 14MPCC-2530 P.L. 99.21 180 Teeth | 14MPCC-2590 P.L. 101.97 185 Teeth | 14MPCC-2660 P.L. 104.72 190 Teeth | 14MPCC-2800 P.L.110.24 200 Teeth | 14MPCC-3136 P.L. 123.46 224 Teeth | 14MPCC-3304 P.L. 130.08 236 Teeth | 14MPCC-3360 P.L.132.28 240 Teeth | 14MPCC-3500 P.L. 137.79 250 Teeth | 14MPCC-3850 P.L.151.57 275 Teeth | 14MPCC-3920 P.L. 154.33 280 Teeth | 14MPCC-4326 P.L. 170.31 309 Teeth | 14MPCC-4410 P.L.173.62 315 Teeth | | Number of Grooves | Pitch Diameter (inches) |
| 38.72 | 40.10 | 41.47 | 42.85 | 44.23 | 46.99 | 53.60 | 56.91 | 58.01 | 60.76 | 67.65 | 69.03 | 77.02 | 78.68 | 1.107 | 28 | 31 |
| 36.38 | 37.76 | 39.13 | 40.51 | 41.89 | 44.65 | 51.26 | 54.57 | 55.67 | 58.42 | 65.31 | 66.69 | 74.68 | 76.34 | 1.111 | 36 | 40 |
| 33.76 | 35.14 | 36.51 | 37.89 | 39.27 | 42.03 | 48.64 | 51.95 | 53.05 | 55.80 | 62.69 | 64.07 | 72.06 | 73.72 | 1.111 | 45 | 50 |
| 36.65 | 38.03 | 39.41 | 40.79 | 42.16 | 44.92 | 51.53 | 54.84 | 55.94 | 58.70 | 65.59 | 66.97 | 74.96 | 76.61 | 1.114 | 35 | 39 |
| 34.31 | 35.69 | 37.06 | 38.44 | 39.82 | 42.58 | 49.19 | 52.50 | 53.60 | 56.35 | 63.24 | 64.62 | 72.61 | 74.27 | 1.116 | 43 | 48 |
| 29.34 | 30.72 | 32.10 | 33.48 | 34.85 | 37.61 | 44.23 | 47.54 | 48.64 | 51.39 | 58.28 | 59.66 | 67.65 | 69.31 | 1.117 | 60 | 67 |
| 36.93 | 38.31 | 39.68 | 41.06 | 42.44 | 45.20 | 51.81 | 55.12 | 56.22 | 58.97 | 65.86 | 67.24 | 75.23 | 76.89 | 1.118 | 34 | 38 |
| 27.27 | 28.65 | 30.03 | 31.41 | 32.79 | 35.55 | 42.16 | 45.47 | 46.57 | 49.32 | 56.21 | 57.59 | 65.58 | 67.24 | 1.119 | 67 | 75 |
| 32.24 | 33.62 | 34.99 | 36.38 | 37.75 | 40.51 | 47.12 | 50.43 | 51.53 | 54.29 | 61.18 | 62.56 | 70.55 | 72.20 | 1.120 | 50 | 56 |
| 37.20 | 38.58 | 39.96 | 41.34 | 42.71 | 45.47 | 52.08 | 55.39 | 56.49 | 59.25 | 66.14 | 67.52 | 75.51 | 77.16 | 1.121 | 33 | 37 |
| 37.48 | 38.86 | 40.23 | 41.61 | 42.99 | 45.75 | 52.36 | 55.67 | 56.77 | 59.52 | 66.41 | 67.79 | 75.78 | 77.44 | 1.125 | 32 | 36 |
| 35.13 | 36.51 | 37.89 | 39.27 | 40.64 | 43.41 | 50.02 | 53.33 | 54.43 | 57.18 | 64.07 | 65.45 | 73.44 | 75.10 | 1.125 | 40 | 45 |
| 30.45 | 31.83 | 33.20 | 34.58 | 35.96 | 38.72 | 45.33 | 48.64 | 49.74 | 52.49 | 59.38 | 60.76 | 68.75 | 70.41 | 1.125 | 56 | 63 |
| 23.41 | 24.79 | 26.17 | 27.55 | 28.92 | 31.68 | 38.29 | 41.61 | 42.71 | 45.46 | 52.35 | 53.73 | 61.72 | 63.38 | 1.125 | 80 | 90 |
| 28.38 | 29.76 | 31.13 | 32.51 | 33.89 | 36.65 | 43.26 | 46.57 | 47.67 | 50.43 | 57.32 | 58.70 | 66.69 | 68.34 | 1.127 | 63 | 71 |
| 26.03 | 27.41 | 28.79 | 30.17 | 31.54 | 34.30 | 40.91 | 44.23 | 45.33 | 48.08 | 54.97 | 56.35 | 64.34 | 66.00 | 1.127 | 71 | 80 |
| 37.75 | 39.13 | 40.51 | 41.89 | 43.26 | 46.02 | 52.63 | 55.94 | 57.04 | 59.80 | 66.69 | 68.07 | 76.06 | 77.71 | 1.129 | 31 | 35 |
| 35.69 | 37.07 | 38.44 | 39.82 | 41.20 | 43.96 | 50.57 | 53.88 | 54.98 | 57.73 | 64.62 | 66.00 | 73.99 | 75.65 | 1.132 | 38 | 43 |
| 31.27 | 32.65 | 34.03 | 35.41 | 36.78 | 39.54 | 46.15 | 49.46 | 50.56 | 53.32 | 60.21 | 61.59 | 69.58 | 71.24 | 1.132 | 53 | 60 |
| 38.03 | 39.41 | 40.79 | 42.17 | 43.54 | 46.30 | 52.91 | 56.22 | 57.32 | 60.08 | 66.97 | 68.35 | 76.34 | 77.99 | 1.133 | 30 | 34 |
| 38.30 | 39.68 | 41.06 | 42.44 | 43.82 | 46.58 | 53.19 | 56.50 | 57.60 | 60.35 | 67.24 | 68.62 | 76.61 | 78.27 | 1.138 | 29 | 33 |
| 38.58 | 39.96 | 41.34 | 42.72 | 44.09 | 46.85 | 53.46 | 56.77 | 57.87 | 60.63 | 67.52 | 68.90 | 76.89 | 78.54 | 1.143 | 28 | 32 |
| 36.51 | 37.89 | 39.27 | 40.65 | 42.02 | 44.78 | 51.39 | 54.70 | 55.80 | 58.56 | 65.45 | 66.83 | 74.82 | 76.47 | 1.143 | 35 | 40 |
| 36.79 | 38.17 | 39.54 | 40.92 | 42.30 | 45.06 | 51.67 | 54.98 | 56.08 | 58.83 | 65.72 | 67.10 | 75.10 | 76.75 | 1.147 | 34 | 39 |
| 37.06 | 38.44 | 39.82 | 41.20 | 42.57 | 45.33 | 51.94 | 55.25 | 56.35 | 59.11 | 66.00 | 67.38 | 75.37 | 77.03 | 1.152 | 33 | 38 |
| 35.27 | 36.65 | 38.03 | 39.41 | 40.78 | 43.54 | 50.15 | 53.46 | 54.56 | 57.32 | 64.21 | 65.59 | 73.58 | 75.23 | 1.154 | 39 | 45 |
| 37.34 | 38.72 | 40.09 | 41.47 | 42.85 | 45.61 | 52.22 | 55.53 | 56.63 | 59.39 | 66.28 | 67.66 | 75.65 | 77.30 | 1.156 | 32 | 37 |
| 37.62 | 39.00 | 40.37 | 41.75 | 43.13 | 45.89 | 52.50 | 55.81 | 56.91 | 59.66 | 66.55 | 67.93 | 75.92 | 77.58 | 1.161 | 31 | 36 |
| 35.82 | 37.20 | 38.58 | 39.96 | 41.33 | 44.09 | 50.70 | 54.01 | 55.11 | 57.87 | 64.76 | 66.14 | 74.13 | 75.78 | 1.162 | 37 | 43 |
| 34.03 | 35.41 | 36.79 | 38.17 | 39.54 | 42.30 | 48.91 | 52.22 | 53.32 | 56.08 | 62.97 | 64.35 | 72.34 | 73.99 | 1.163 | 43 | 50 |
| 37.89 | 39.27 | 40.65 | 42.03 | 43.40 | 46.16 | 52.77 | 56.08 | 57.18 | 59.94 | 66.83 | 68.21 | 76.20 | 77.85 | 1.167 | 30 | 35 |
| 32.51 | 33.89 | 35.27 | 36.65 | 38.02 | 40.78 | 47.39 | 50.70 | 51.80 | 54.56 | 61.45 | 62.83 | 70.82 | 72.48 | 1.167 | 48 | 56 |
| 38.17 | 39.55 | 40.92 | 42.30 | 43.68 | 46.44 | 53.05 | 56.36 | 57.46 | 60.21 | 67.10 | 68.48 | 76.47 | 78.13 | 1.172 | 29 | 34 |
| 36.65 | 38.03 | 39.40 | 40.78 | 42.16 | 44.92 | 51.53 | 54.84 | 55.94 | 58.70 | 65.59 | 66.97 | 74.96 | 76.61 | 1.176 | 34 | 40 |
| 33.34 | 34.72 | 36.09 | 37.47 | 38.85 | 41.61 | 48.22 | 51.53 | 52.63 | 55.39 | 62.28 | 63.66 | 71.65 | 73.30 | 1.178 | 45 | 53 |
| 38.44 | 39.82 | 41.20 | 42.58 | 43.95 | 46.71 | 53.32 | 56.63 | 57.73 | 60.49 | 67.38 | 68.76 | 76.75 | 78.40 | 1.179 | 28 | 33 |
| 36.93 | 38.31 | 39.68 | 41.06 | 42.44 | 45.20 | 51.81 | 55.12 | 56.22 | 58.97 | 65.86 | 67.24 | 75.23 | 76.89 | 1.182 | 33 | 39 |
| 28.78 | 30.16 | 31.54 | 32.92 | 34.29 | 37.06 | 43.67 | 46.98 | 48.08 | 50.83 | 57.73 | 59.11 | 67.10 | 68.75 | 1.183 | 60 | 71 |
| 35.41 | 36.79 | 38.16 | 39.54 | 40.92 | 43.68 | 50.29 | 53.60 | 54.70 | 57.45 | 64.35 | 65.73 | 73.72 | 75.37 | 1.184 | 38 | 45 |
| 37.20 | 38.58 | 39.96 | 41.34 | 42.71 | 45.47 | 52.08 | 55.39 | 56.49 | 59.25 | 66.14 | 67.52 | 75.51 | 77.16 | 1.188 | 32 | 38 |
| 30.85 | 32.23 | 33.61 | 34.99 | 36.37 | 39.13 | 45.74 | 49.05 | 50.15 | 52.90 | 59.79 | 61.17 | 69.17 | 70.82 | 1.189 | 53 | 63 |
| 27.81 | 29.20 | 30.57 | 31.95 | 33.33 | 36.09 | 42.70 | 46.01 | 47.11 | 49.87 | 56.76 | 58.14 | 66.13 | 67.79 | 1.190 | 63 | 75 |
| 37.48 | 38.86 | 40.23 | 41.61 | 42.99 | 45.75 | 52.36 | 55.67 | 56.77 | 59.52 | 66.41 | 67.79 | 75.78 | 77.44 | 1.194 | 31 | 37 |
| 35.96 | 37.34 | 38.71 | 40.09 | 41.47 | 44.23 | 50.84 | 54.15 | 55.25 | 58.01 | 64.90 | 66.28 | 74.27 | 75.92 | 1.194 | 36 | 43 |
| 26.57 | 27.95 | 29.33 | 30.71 | 32.08 | 34.85 | 41.46 | 44.77 | 45.87 | 48.63 | 55.52 | 56.90 | 64.89 | 66.54 | 1.194 | 67 | 80 |
| 29.89 | 31.27 | 32.64 | 34.02 | 35.40 | 38.16 | 44.77 | 48.08 | 49.18 | 51.94 | 58.83 | 60.21 | 68.20 | 69.85 | 1.196 | 56 | 67 |
| 37.75 | 39.13 | 40.51 | 41.89 | 43.26 | 46.02 | 52.63 | 55.94 | 57.04 | 59.80 | 66.69 | 68.07 | 76.06 | 77.71 | 1.200 | 30 | 36 |
| 34.72 | 36.10 | 37.47 | 38.85 | 40.23 | 42.99 | 49.60 | 52.91 | 54.01 | 56.76 | 63.66 | 65.04 | 73.03 | 74.68 | 1.200 | 40 | 48 |
| 31.68 | 33.06 | 34.44 | 35.82 | 37.19 | 39.95 | 46.56 | 49.87 | 50.98 | 53.73 | 60.62 | 62.00 | 69.99 | 71.65 | 1.200 | 50 | 60 |
| 24.08 | 25.46 | 26.84 | 28.22 | 29.60 | 32.36 | 38.97 | 42.28 | 43.38 | 46.14 | 53.03 | 54.41 | 62.41 | 64.06 | 1.200 | 75 | 90 |
| 38.03 | 39.41 | 40.78 | 42.16 | 43.54 | 46.30 | 52.91 | 56.22 | 57.32 | 60.07 | 66.96 | 68.34 | 76.33 | 77.99 | 1.207 | 29 | 35 |
| 36.79 | 38.17 | 39.54 | 40.92 | 42.30 | 45.06 | 51.67 | 54.98 | 56.08 | 58.83 | 65.72 | 67.10 | 75.09 | 76.75 | 1.212 | 33 | 40 |
| 38.30 | 39.68 | 41.06 | 42.44 | 43.81 | 46.57 | 53.18 | 56.49 | 57.59 | 60.35 | 67.24 | 68.62 | 76.61 | 78.27 | 1.214 | 28 | 34 |
| 35.54 | 36.92 | 38.30 | 39.68 | 41.05 | 43.81 | 50.43 | 53.74 | 54.84 | 57.59 | 64.48 | 65.86 | 73.85 | 75.51 | 1.216 | 37 | 45 |
| 37.06 | 38.44 | 39.82 | 41.20 | 42.57 | 45.33 | 51.94 | 55.25 | 56.35 | 59.11 | 66.00 | 67.38 | 75.37 | 77.02 | 1.219 | 32 | 39 |
| 37.34 | 38.72 | 40.09 | 41.47 | 42.85 | 45.61 | 52.22 | 55.53 | 56.63 | 59.38 | 66.27 | 67.65 | 75.64 | 77.30 | 1.226 | 31 | 38 |
| 36.10 | 37.48 | 38.85 | 40.23 | 41.61 | 44.37 | 50.98 | 54.29 | 55.39 | 58.14 | 65.03 | 66.41 | 74.40 | 76.06 | 1.229 | 35 | 43 |
| 34.85 | 36.23 | 37.61 | 38.99 | 40.36 | 43.13 | 49.74 | 53.05 | 54.15 | 56.90 | 63.79 | 65.17 | 73.16 | 74.82 | 1.231 | 39 | 48 |
| 37.61 | 38.99 | 40.37 | 41.75 | 43.12 | 45.88 | 52.49 | 55.80 | 56.90 | 59.66 | 66.55 | 67.93 | 75.92 | 77.58 | 1.233 | 30 | 37 |
| 33.61 | 34.99 | 36.37 | 37.75 | 39.12 | 41.88 | 48.49 | 51.80 | 52.90 | 55.66 | 62.55 | 63.93 | 71.92 | 73.58 | 1.233 | 43 | 53 |
| 37.89 | 39.27 | 40.64 | 42.02 | 43.40 | 46.16 | 52.77 | 56.08 | 57.18 | 59.94 | 66.83 | 68.21 | 76.20 | 77.85 | 1.241 | 29 | 36 |
| 32.92 | 34.30 | 35.67 | 37.06 | 38.43 | 41.19 | 47.80 | 51.11 | 52.21 | 54.97 | 61.86 | 63.24 | 71.23 | 72.89 | 1.244 | 45 | 56 |
| 38.16 | 39.54 | 40.92 | 42.30 | 43.67 | 46.43 | 53.05 | 56.36 | 57.46 | 60.21 | 67.10 | 68.48 | 76.47 | 78.13 | 1.250 | 28 | 35 |
| 36.92 | 38.30 | 39.68 | 41.06 | 42.43 | 45.19 | 51.80 | 55.11 | 56.21 | 58.97 | 65.86 | 67.24 | 75.23 | 76.89 | 1.250 | 32 | 40 |
| 35.68 | 37.06 | 38.44 | 39.82 | 41.19 | 43.95 | 50.56 | 53.87 | 54.97 | 57.73 | 64.62 | 66.00 | 73.99 | 75.64 | 1.250 | 36 | 45 |
| 34.44 | 35.82 | 37.19 | 38.57 | 39.95 | 42.71 | 49.32 | 52.63 | 53.73 | 56.49 | 63.38 | 64.76 | 72.75 | 74.40 | 1.250 | 40 | 50 |
| 31.95 | 33.33 | 34.71 | 36.09 | 37.46 | 40.22 | 46.84 | 50.15 | 51.25 | 54.00 | 60.89 | 62.27 | 70.27 | 71.92 | 1.250 | 48 | 60 |
| 28.22 | 29.60 | 30.97 | 32.36 | 33.73 | 36.49 | 43.11 | 46.42 | 47.52 | 50.28 | 57.17 | 58.55 | 66.54 | 68.20 | 1.250 | 60 | 75 |
| 37.20 | 38.58 | 39.95 | 41.33 | 42.71 | 45.47 | 52.08 | 55.39 | 56.49 | 59.25 | 66.14 | 67.52 | 75.51 | 77.16 | 1.258 | 31 | 39 |
| 31.26 | 32.64 | 34.02 | 35.40 | 36.77 | 39.53 | 46.15 | 49.46 | 50.56 | 53.31 | 60.20 | 61.58 | 69.58 | 71.23 | 1.260 | 50 | 63 |
| 34.99 | 36.37 | 37.74 | 39.13 | 40.50 | 43.26 | 49.87 | 53.18 | 54.28 | 57.04 | 63.93 | 65.31 | 73.30 | 74.95 | 1.263 | 38 | 48 |
| 1.01 | 1.02 | 1.03 | 1.04 | 1.05 | 1.07 | 1.12 | 1.14 | 1.14 | 1.16 | 1.19 | 1.20 | 1.24 | 1.25 | Length Factor* | | |

* This length factor must be used to determine the proper belt width.

# QT Power Chain® II Carbon Drive Selection

## 14mm Pre-Engineered Drive Selection Table

| Sprocket Combinations | | | | | Center Distance (in) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DriveR | | DriveN | | | 14MPCC-994 P.L. 39.13 71 Teeth | 14MPCC-1120 P.L. 44.09 80 Teeth | 14MPCC-1190 P.L. 46.85 85 Teeth | 14MPCC-1260 P.L. 49.61 90 Teeth | 14MPCC-1400 P.L. 55.12 100 Teeth | 14MPCC-1568 P.L.61.73 112 Teeth | 14MPCC-1610 P.L. 63.39 115 Teeth | 14MPCC-1750 P.L. 68.90 125 Teeth | 14MPCC-1890 P.L.74.41 135 Teeth | 14MPCC-1960 P.L. 77.17 140 Teeth | 14MPCC-2100 P.L.82.68 150 Teeth | 14MPCC-2240 P.L. 88.19 160 Teeth | 14MPCC-2310 P.L. 90.94 165 Teeth |
| Number of Grooves | Pitch Diameter (inches) | Number of Grooves | Pitch Diameter (inches) | Speed Ratio | | | | | | | | | | | | | | |
| 53 | 9.299 | 67 | 11.755 | 1.264 | | | | | | 14.28 | 15.11 | 17.87 | 20.63 | 22.01 | 24.77 | 27.53 | 28.91 |
| 34 | 5.965 | 43 | 7.544 | 1.265 | 8.92 | 11.41 | 12.79 | 14.17 | 16.93 | 20.24 | 21.07 | 23.83 | 26.58 | 27.96 | 30.72 | 33.48 | 34.85 |
| 30 | 5.263 | 38 | 6.667 | 1.267 | 10.17 | 12.66 | 14.04 | 15.42 | 18.18 | 21.48 | 22.31 | 25.07 | 27.83 | 29.21 | 31.96 | 34.72 | 36.09 |
| 56 | 9.825 | 71 | 12.457 | 1.268 | | | | | | 13.30 | 14.13 | 16.90 | 19.66 | 21.04 | 23.80 | 26.56 | 27.94 |
| 71 | 12.457 | 90 | 15.790 | 1.268 | | | | | | | | | 14.93 | 16.31 | 19.08 | 21.85 | 23.23 |
| 63 | 11.053 | 80 | 14.036 | 1.270 | | | | | | | | 14.67 | 17.44 | 18.82 | 21.58 | 24.34 | 25.72 |
| 29 | 5.088 | 37 | 6.492 | 1.276 | 10.45 | 12.93 | 14.31 | 15.69 | 18.45 | 21.76 | 22.59 | 25.35 | 28.10 | 29.48 | 32.24 | 34.99 | 36.37 |
| 39 | 6.842 | 50 | 8.772 | 1.282 | | 9.73 | 11.12 | 12.50 | 15.27 | 18.58 | 19.41 | 22.17 | 24.92 | 26.30 | 29.06 | 31.82 | 33.19 |
| 28 | 4.912 | 36 | 6.316 | 1.286 | 10.72 | 13.21 | 14.59 | 15.97 | 18.73 | 22.04 | 22.87 | 25.62 | 28.38 | 29.76 | 32.51 | 35.27 | 36.64 |
| 35 | 6.141 | 45 | 7.895 | 1.286 | 8.50 | 10.99 | 12.37 | 13.75 | 16.51 | 19.82 | 20.65 | 23.41 | 26.17 | 27.55 | 30.30 | 33.06 | 34.43 |
| 31 | 5.439 | 40 | 7.018 | 1.290 | 9.75 | 12.24 | 13.62 | 15.00 | 17.76 | 21.07 | 21.90 | 24.65 | 27.41 | 28.79 | 31.55 | 34.30 | 35.68 |
| 37 | 6.492 | 48 | 8.421 | 1.297 | | 10.29 | 11.67 | 13.06 | 15.82 | 19.13 | 19.96 | 22.72 | 25.47 | 26.86 | 29.61 | 32.37 | 33.74 |
| 30 | 5.263 | 39 | 6.842 | 1.300 | 10.03 | 12.51 | 13.90 | 15.28 | 18.04 | 21.34 | 22.17 | 24.93 | 27.69 | 29.07 | 31.82 | 34.58 | 35.95 |
| 43 | 7.544 | 56 | 9.825 | 1.302 | | | 9.72 | 11.10 | 13.87 | 17.19 | 18.02 | 20.78 | 23.54 | 24.92 | 27.67 | 30.43 | 31.81 |
| 33 | 5.790 | 43 | 7.544 | 1.303 | 9.05 | 11.54 | 12.92 | 14.31 | 17.06 | 20.37 | 21.20 | 23.96 | 26.72 | 28.10 | 30.86 | 33.61 | 34.99 |
| 29 | 5.088 | 38 | 6.667 | 1.310 | 10.30 | 12.79 | 14.17 | 15.55 | 18.31 | 21.62 | 22.45 | 25.21 | 27.96 | 29.34 | 32.10 | 34.85 | 36.23 |
| 48 | 8.421 | 63 | 11.053 | 1.313 | | | | | 12.19 | 15.51 | 16.35 | 19.11 | 21.87 | 23.25 | 26.01 | 28.77 | 30.15 |
| 38 | 6.667 | 50 | 8.772 | 1.316 | | 9.86 | 11.25 | 12.64 | 15.40 | 18.71 | 19.54 | 22.30 | 25.06 | 26.44 | 29.20 | 31.95 | 33.33 |
| 28 | 4.912 | 37 | 6.492 | 1.321 | 10.58 | 13.06 | 14.45 | 15.83 | 18.59 | 21.89 | 22.72 | 25.48 | 28.24 | 29.62 | 32.37 | 35.13 | 36.50 |
| 34 | 5.965 | 45 | 7.895 | 1.324 | 8.63 | 11.12 | 12.50 | 13.89 | 16.65 | 19.96 | 20.79 | 23.54 | 26.30 | 27.68 | 30.44 | 33.20 | 34.57 |
| 40 | 7.018 | 53 | 9.299 | 1.325 | | 9.16 | 10.55 | 11.94 | 14.70 | 18.01 | 18.85 | 21.60 | 24.36 | 25.74 | 28.50 | 31.26 | 32.63 |
| 30 | 5.263 | 40 | 7.018 | 1.333 | 9.88 | 12.37 | 13.75 | 15.13 | 17.89 | 21.20 | 22.03 | 24.79 | 27.55 | 28.93 | 31.68 | 34.44 | 35.81 |
| 36 | 6.316 | 48 | 8.421 | 1.333 | | 10.42 | 11.80 | 13.19 | 15.95 | 19.26 | 20.09 | 22.85 | 25.61 | 26.99 | 29.75 | 32.50 | 33.88 |
| 45 | 7.895 | 60 | 10.527 | 1.333 | | | | 10.25 | 13.02 | 16.34 | 17.18 | 19.94 | 22.70 | 24.08 | 26.84 | 29.60 | 30.97 |
| 60 | 10.527 | 80 | 14.036 | 1.333 | | | | | | | | 15.06 | 17.83 | 19.21 | 21.98 | 24.74 | 26.12 |
| 56 | 9.825 | 75 | 13.158 | 1.339 | | | | | | 12.70 | 13.54 | 16.31 | 19.08 | 20.47 | 23.23 | 25.99 | 27.37 |
| 50 | 8.772 | 67 | 11.755 | 1.340 | | | | | 11.34 | 14.67 | 15.50 | 18.27 | 21.03 | 22.41 | 25.17 | 27.93 | 29.31 |
| 53 | 9.299 | 71 | 12.457 | 1.340 | | | | | | 13.69 | 14.52 | 17.29 | 20.06 | 21.44 | 24.20 | 26.96 | 28.34 |
| 67 | 11.755 | 90 | 15.790 | 1.343 | | | | | | | | | 15.44 | 16.83 | 19.60 | 22.37 | 23.75 |
| 32 | 5.614 | 43 | 7.544 | 1.344 | 9.18 | 11.67 | 13.06 | 14.44 | 17.20 | 20.51 | 21.34 | 24.10 | 26.85 | 28.23 | 30.99 | 33.75 | 35.12 |
| 29 | 5.088 | 39 | 6.842 | 1.345 | 10.16 | 12.64 | 14.03 | 15.41 | 18.17 | 21.48 | 22.31 | 25.06 | 27.82 | 29.20 | 31.96 | 34.71 | 36.09 |
| 37 | 6.492 | 50 | 8.772 | 1.351 | | 9.99 | 11.38 | 12.77 | 15.53 | 18.84 | 19.67 | 22.43 | 25.19 | 26.57 | 29.33 | 32.09 | 33.46 |
| 28 | 4.912 | 38 | 6.667 | 1.357 | 10.43 | 12.92 | 14.30 | 15.69 | 18.45 | 21.75 | 22.58 | 25.34 | 28.10 | 29.48 | 32.23 | 34.99 | 36.37 |
| 39 | 6.842 | 53 | 9.299 | 1.359 | | 9.29 | 10.68 | 12.07 | 14.83 | 18.15 | 18.98 | 21.74 | 24.50 | 25.88 | 28.64 | 31.39 | 32.77 |
| 33 | 5.790 | 45 | 7.895 | 1.364 | 8.75 | 11.25 | 12.63 | 14.02 | 16.78 | 20.09 | 20.92 | 23.68 | 26.44 | 27.82 | 30.57 | 33.33 | 34.71 |
| 35 | 6.141 | 48 | 8.421 | 1.371 | 8.05 | 10.55 | 11.93 | 13.32 | 16.08 | 19.39 | 20.23 | 22.98 | 25.74 | 27.12 | 29.88 | 32.64 | 34.01 |
| 29 | 5.088 | 40 | 7.018 | 1.379 | 10.01 | 12.50 | 13.88 | 15.27 | 18.03 | 21.34 | 22.17 | 24.92 | 27.68 | 29.06 | 31.82 | 34.57 | 35.95 |
| 31 | 5.439 | 43 | 7.544 | 1.387 | 9.31 | 11.80 | 13.19 | 14.57 | 17.33 | 20.64 | 21.47 | 24.23 | 26.99 | 28.37 | 31.13 | 33.88 | 35.26 |
| 36 | 6.316 | 50 | 8.772 | 1.389 | | 10.12 | 11.51 | 12.90 | 15.66 | 18.98 | 19.81 | 22.57 | 25.33 | 26.71 | 29.46 | 32.22 | 33.60 |
| 28 | 4.912 | 39 | 6.842 | 1.393 | 10.29 | 12.78 | 14.16 | 15.54 | 18.30 | 21.61 | 22.44 | 25.20 | 27.96 | 29.34 | 32.09 | 34.85 | 36.23 |
| 38 | 6.667 | 53 | 9.299 | 1.395 | | 9.41 | 10.81 | 12.19 | 14.96 | 18.28 | 19.11 | 21.87 | 24.63 | 26.01 | 28.77 | 31.53 | 32.90 |
| 43 | 7.544 | 60 | 10.527 | 1.395 | | | | 10.51 | 13.28 | 16.61 | 17.44 | 20.20 | 22.96 | 24.35 | 27.11 | 29.86 | 31.24 |
| 48 | 8.421 | 67 | 11.755 | 1.396 | | | | | 11.59 | 14.93 | 15.76 | 18.53 | 21.29 | 22.68 | 25.44 | 28.20 | 29.58 |
| 40 | 7.018 | 56 | 9.825 | 1.400 | | | 10.10 | 11.49 | 14.26 | 17.58 | 18.41 | 21.18 | 23.94 | 25.32 | 28.08 | 30.83 | 32.21 |
| 45 | 7.895 | 63 | 11.053 | 1.400 | | | | | 12.58 | 15.90 | 16.74 | 19.50 | 22.27 | 23.65 | 26.41 | 29.17 | 30.55 |
| 80 | 14.036 | 112 | 19.650 | 1.400 | | | | | | | | | | | | 17.41 | 18.80 |
| 32 | 5.614 | 45 | 7.895 | 1.406 | 8.88 | 11.38 | 12.76 | 14.15 | 16.91 | 20.22 | 21.05 | 23.81 | 26.57 | 27.95 | 30.71 | 33.47 | 34.84 |
| 34 | 5.965 | 48 | 8.421 | 1.412 | 8.17 | 10.68 | 12.06 | 13.45 | 16.21 | 19.53 | 20.36 | 23.12 | 25.88 | 27.26 | 30.02 | 32.77 | 34.15 |
| 53 | 9.299 | 75 | 13.158 | 1.415 | | | | | | 13.08 | 13.92 | 16.70 | 19.47 | 20.86 | 23.62 | 26.39 | 27.77 |
| 50 | 8.772 | 71 | 12.457 | 1.420 | | | | | | 14.07 | 14.91 | 17.68 | 20.45 | 21.83 | 24.60 | 27.36 | 28.74 |
| 28 | 4.912 | 40 | 7.018 | 1.429 | 10.14 | 12.63 | 14.02 | 15.40 | 18.16 | 21.47 | 22.30 | 25.06 | 27.82 | 29.20 | 31.95 | 34.71 | 36.08 |
| 35 | 6.141 | 50 | 8.772 | 1.429 | | 10.25 | 11.64 | 13.03 | 15.79 | 19.11 | 19.94 | 22.70 | 25.46 | 26.84 | 29.60 | 32.36 | 33.73 |
| 56 | 9.825 | 80 | 14.036 | 1.429 | | | | | | | 12.78 | 15.57 | 18.34 | 19.73 | 22.50 | 25.27 | 26.65 |
| 63 | 11.053 | 90 | 15.790 | 1.429 | | | | | | | | | 15.95 | 17.34 | 20.12 | 22.89 | 24.27 |
| 37 | 6.492 | 53 | 9.299 | 1.432 | | 9.54 | 10.93 | 12.32 | 15.09 | 18.41 | 19.24 | 22.00 | 24.76 | 26.15 | 28.90 | 31.66 | 33.04 |
| 30 | 5.263 | 43 | 7.544 | 1.433 | 9.44 | 11.93 | 13.32 | 14.70 | 17.46 | 20.78 | 21.61 | 24.36 | 27.12 | 28.50 | 31.26 | 34.02 | 35.39 |
| 39 | 6.842 | 56 | 9.825 | 1.436 | | | 10.23 | 11.62 | 14.39 | 17.71 | 18.54 | 21.31 | 24.07 | 25.45 | 28.21 | 30.97 | 32.35 |
| 31 | 5.439 | 45 | 7.895 | 1.452 | 9.01 | 11.51 | 12.89 | 14.28 | 17.04 | 20.36 | 21.19 | 23.95 | 26.70 | 28.09 | 30.84 | 33.60 | 34.98 |
| 33 | 5.790 | 48 | 8.421 | 1.455 | 8.30 | 10.80 | 12.19 | 13.58 | 16.35 | 19.66 | 20.49 | 23.25 | 26.01 | 27.39 | 30.15 | 32.91 | 34.28 |
| 43 | 7.544 | 63 | 11.053 | 1.465 | | | | 10.05 | 12.83 | 16.16 | 17.00 | 19.77 | 22.53 | 23.91 | 26.68 | 29.44 | 30.81 |
| 34 | 5.965 | 50 | 8.772 | 1.471 | | 10.38 | 11.77 | 13.16 | 15.92 | 19.24 | 20.07 | 22.83 | 25.59 | 26.97 | 29.73 | 32.49 | 33.87 |
| 36 | 6.316 | 53 | 9.299 | 1.472 | | 9.67 | 11.06 | 12.45 | 15.22 | 18.54 | 19.37 | 22.14 | 24.90 | 26.28 | 29.04 | 31.80 | 33.17 |
| 38 | 6.667 | 56 | 9.825 | 1.474 | | 8.95 | 10.35 | 11.75 | 14.52 | 17.84 | 18.68 | 21.44 | 24.20 | 25.58 | 28.34 | 31.10 | 32.48 |
| 48 | 8.421 | 71 | 12.457 | 1.479 | | | | | | 14.33 | 15.16 | 17.94 | 20.71 | 22.10 | 24.86 | 27.62 | 29.00 |
| 29 | 5.088 | 43 | 7.544 | 1.483 | 9.56 | 12.06 | 13.45 | 14.83 | 17.60 | 20.91 | 21.74 | 24.50 | 27.26 | 28.64 | 31.39 | 34.15 | 35.53 |
| 45 | 7.895 | 67 | 11.755 | 1.489 | | | | | 11.97 | 15.31 | 16.15 | 18.92 | 21.69 | 23.07 | 25.83 | 28.60 | 29.97 |
| 75 | 13.158 | 112 | 19.650 | 1.493 | | | | | | | | | | | | 18.03 | 19.43 |
| 30 | 5.263 | 45 | 7.895 | 1.500 | 9.14 | 11.64 | 13.02 | 14.41 | 17.18 | 20.49 | 21.32 | 24.08 | 26.84 | 28.22 | 30.98 | 33.74 | 35.11 |
| 32 | 5.614 | 48 | 8.421 | 1.500 | 8.42 | 10.93 | 12.32 | 13.71 | 16.48 | 19.79 | 20.62 | 23.38 | 26.14 | 27.53 | 30.28 | 33.04 | 34.42 |
| 40 | 7.018 | 60 | 10.527 | 1.500 | | | 9.48 | 10.88 | 13.67 | 16.99 | 17.83 | 20.60 | 23.36 | 24.74 | 27.50 | 30.26 | 31.64 |
| 50 | 8.772 | 75 | 13.158 | 1.500 | | | | | | 13.46 | 14.30 | 17.09 | 19.86 | 21.25 | 24.02 | 26.78 | 28.16 |
| 60 | 10.527 | 90 | 15.790 | 1.500 | | | | | | | | 13.52 | 16.32 | 17.72 | 20.50 | 23.28 | 24.66 |
| Length Factor* | | | | | 0.68 | 0.73 | 0.75 | 0.77 | 0.81 | 0.85 | 0.86 | 0.89 | 0.92 | 0.94 | 0.96 | 0.99 | 1.00 |

* This length factor must be used to determine the proper belt width.

## 14mm Pre-Engineered Drive Selection Table

| Center Distance (in) | | | | | | | | | | | | | | Speed Ratio | Sprocket Combinations | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | DriveR | DriveN |
| 14MPCC-2380 P.L. 93.70 170 Teeth | 14MPCC-2450 P.L. 96.46 175 Teeth | 14MPCC-2530 P.L. 99.21 180 Teeth | 14MPCC-2590 P.L. 101.97 185 Teeth | 14MPCC-2660 P.L. 104.72 190 Teeth | 14MPCC-2800 P.L.110.24 200 Teeth | 14MPCC-3136 P.L. 123.46 224 Teeth | 14MPCC-3304 P.L. 130.08 236 Teeth | 14MPCC-3360 P.L.132.28 240 Teeth | 14MPCC-3500 P.L. 137.79 250 Teeth | 14MPCC-3850 P.L.151.57 275 Teeth | 14MPCC-3920 P.L. 154.33 280 Teeth | 14MPCC-4326 P.L. 170.31 309 Teeth | 14MPCC-4410 P.L.173.62 315 Teeth | | Number of Grooves | Pitch Diameter (inches) |
| 30.29 | 31.67 | 33.05 | 34.43 | 35.80 | 38.56 | 45.18 | 48.49 | 49.59 | 52.34 | 59.24 | 60.62 | 68.61 | 70.26 | 1.264 | 53 | 67 |
| 36.23 | 37.61 | 38.99 | 40.37 | 41.74 | 44.50 | 51.11 | 54.42 | 55.52 | 58.28 | 65.17 | 66.55 | 74.54 | 76.20 | 1.265 | 34 | 43 |
| 37.47 | 38.85 | 40.23 | 41.61 | 42.98 | 45.74 | 52.36 | 55.67 | 56.77 | 59.52 | 66.41 | 67.79 | 75.78 | 77.44 | 1.267 | 30 | 38 |
| 29.32 | 30.70 | 32.08 | 33.46 | 34.83 | 37.60 | 44.21 | 47.52 | 48.62 | 51.38 | 58.27 | 59.65 | 67.64 | 69.30 | 1.268 | 56 | 71 |
| 24.61 | 25.99 | 27.37 | 28.75 | 30.13 | 32.89 | 39.51 | 42.82 | 43.92 | 46.68 | 53.57 | 54.95 | 62.95 | 64.60 | 1.268 | 71 | 90 |
| 27.10 | 28.49 | 29.86 | 31.24 | 32.62 | 35.38 | 42.00 | 45.31 | 46.41 | 49.17 | 56.06 | 57.44 | 65.43 | 67.09 | 1.270 | 63 | 80 |
| 37.75 | 39.13 | 40.50 | 41.88 | 43.26 | 46.02 | 52.63 | 55.94 | 57.04 | 59.80 | 66.69 | 68.07 | 76.06 | 77.71 | 1.276 | 29 | 37 |
| 34.57 | 35.95 | 37.33 | 38.71 | 40.09 | 42.85 | 49.46 | 52.77 | 53.87 | 56.62 | 63.51 | 64.89 | 72.89 | 74.54 | 1.282 | 39 | 50 |
| 38.03 | 39.41 | 40.78 | 42.16 | 43.54 | 46.30 | 52.91 | 56.22 | 57.32 | 60.07 | 66.96 | 68.34 | 76.33 | 77.99 | 1.286 | 28 | 36 |
| 35.82 | 37.20 | 38.57 | 39.95 | 41.33 | 44.09 | 50.70 | 54.01 | 55.11 | 57.86 | 64.76 | 66.14 | 74.13 | 75.78 | 1.286 | 35 | 45 |
| 37.06 | 38.44 | 39.81 | 41.19 | 42.57 | 45.33 | 51.94 | 55.25 | 56.35 | 59.11 | 66.00 | 67.38 | 75.37 | 77.02 | 1.290 | 31 | 40 |
| 35.12 | 36.50 | 37.88 | 39.26 | 40.64 | 43.40 | 50.01 | 53.32 | 54.42 | 57.17 | 64.07 | 65.45 | 73.44 | 75.09 | 1.297 | 37 | 48 |
| 37.33 | 38.71 | 40.09 | 41.47 | 42.85 | 45.61 | 52.22 | 55.53 | 56.63 | 59.38 | 66.27 | 67.65 | 75.64 | 77.30 | 1.300 | 30 | 39 |
| 33.19 | 34.57 | 35.95 | 37.33 | 38.70 | 41.46 | 48.07 | 51.39 | 52.49 | 55.24 | 62.13 | 63.51 | 71.50 | 73.16 | 1.302 | 43 | 56 |
| 36.37 | 37.75 | 39.12 | 40.50 | 41.88 | 44.64 | 51.25 | 54.56 | 55.66 | 58.42 | 65.31 | 66.69 | 74.68 | 76.33 | 1.303 | 33 | 43 |
| 37.61 | 38.99 | 40.36 | 41.75 | 43.12 | 45.88 | 52.49 | 55.80 | 56.90 | 59.66 | 66.55 | 67.93 | 75.92 | 77.57 | 1.310 | 29 | 38 |
| 31.53 | 32.91 | 34.28 | 35.67 | 37.04 | 39.80 | 46.42 | 49.73 | 50.83 | 53.58 | 60.48 | 61.86 | 69.85 | 71.50 | 1.313 | 48 | 63 |
| 34.71 | 36.09 | 37.46 | 38.84 | 40.22 | 42.98 | 49.59 | 52.90 | 54.00 | 56.76 | 63.65 | 65.03 | 73.02 | 74.68 | 1.316 | 38 | 50 |
| 37.89 | 39.27 | 40.64 | 42.02 | 43.40 | 46.16 | 52.77 | 56.08 | 57.18 | 59.93 | 66.82 | 68.20 | 76.19 | 77.85 | 1.321 | 28 | 37 |
| 35.95 | 37.33 | 38.71 | 40.09 | 41.46 | 44.22 | 50.84 | 54.15 | 55.25 | 58.00 | 64.89 | 66.27 | 74.26 | 75.92 | 1.324 | 34 | 45 |
| 34.02 | 35.40 | 36.77 | 38.15 | 39.53 | 42.29 | 48.90 | 52.21 | 53.31 | 56.07 | 62.96 | 64.34 | 72.33 | 73.99 | 1.325 | 40 | 53 |
| 37.19 | 38.57 | 39.95 | 41.33 | 42.71 | 45.47 | 52.08 | 55.39 | 56.49 | 59.24 | 66.13 | 67.51 | 75.50 | 77.16 | 1.333 | 30 | 40 |
| 35.26 | 36.64 | 38.02 | 39.40 | 40.77 | 43.53 | 50.14 | 53.46 | 54.56 | 57.31 | 64.20 | 65.58 | 73.57 | 75.23 | 1.333 | 36 | 48 |
| 32.35 | 33.74 | 35.11 | 36.49 | 37.87 | 40.63 | 47.24 | 50.55 | 51.65 | 54.41 | 61.30 | 62.68 | 70.67 | 72.33 | 1.333 | 45 | 60 |
| 27.50 | 28.88 | 30.26 | 31.64 | 33.02 | 35.79 | 42.40 | 45.71 | 46.82 | 49.57 | 56.47 | 57.85 | 65.84 | 67.50 | 1.333 | 60 | 80 |
| 28.75 | 30.13 | 31.51 | 32.89 | 34.27 | 37.03 | 43.65 | 46.96 | 48.06 | 50.82 | 57.71 | 59.09 | 67.08 | 68.74 | 1.339 | 56 | 75 |
| 30.69 | 32.07 | 33.45 | 34.83 | 36.21 | 38.97 | 45.58 | 48.90 | 50.00 | 52.75 | 59.64 | 61.02 | 69.02 | 70.67 | 1.340 | 50 | 67 |
| 29.72 | 31.10 | 32.48 | 33.86 | 35.24 | 38.00 | 44.61 | 47.93 | 49.03 | 51.78 | 58.68 | 60.06 | 68.05 | 69.70 | 1.340 | 53 | 71 |
| 25.14 | 26.52 | 27.90 | 29.28 | 30.66 | 33.43 | 40.05 | 43.36 | 44.46 | 47.22 | 54.11 | 55.49 | 63.49 | 65.14 | 1.343 | 67 | 90 |
| 36.50 | 37.88 | 39.26 | 40.64 | 42.01 | 44.78 | 51.39 | 54.70 | 55.80 | 58.55 | 65.44 | 66.82 | 74.81 | 76.47 | 1.344 | 32 | 43 |
| 37.47 | 38.85 | 40.23 | 41.61 | 42.98 | 45.74 | 52.35 | 55.66 | 56.76 | 59.52 | 66.41 | 67.79 | 75.78 | 77.44 | 1.345 | 29 | 39 |
| 34.84 | 36.22 | 37.60 | 38.98 | 40.36 | 43.12 | 49.73 | 53.04 | 54.14 | 56.90 | 63.79 | 65.17 | 73.16 | 74.81 | 1.351 | 37 | 50 |
| 37.75 | 39.13 | 40.50 | 41.88 | 43.26 | 46.02 | 52.63 | 55.94 | 57.04 | 59.79 | 66.69 | 68.07 | 76.06 | 77.71 | 1.357 | 28 | 38 |
| 34.15 | 35.53 | 36.91 | 38.29 | 39.66 | 42.43 | 49.04 | 52.35 | 53.45 | 56.20 | 63.10 | 64.48 | 72.47 | 74.12 | 1.359 | 39 | 53 |
| 36.09 | 37.47 | 38.84 | 40.22 | 41.60 | 44.36 | 50.97 | 54.28 | 55.38 | 58.14 | 65.03 | 66.41 | 74.40 | 76.05 | 1.364 | 33 | 45 |
| 35.39 | 36.78 | 38.15 | 39.53 | 40.91 | 43.67 | 50.28 | 53.59 | 54.69 | 57.45 | 64.34 | 65.72 | 73.71 | 75.36 | 1.371 | 35 | 48 |
| 37.33 | 38.71 | 40.09 | 41.47 | 42.84 | 45.60 | 52.21 | 55.52 | 56.62 | 59.38 | 66.27 | 67.65 | 75.64 | 77.30 | 1.379 | 29 | 40 |
| 36.64 | 38.02 | 39.39 | 40.77 | 42.15 | 44.91 | 51.52 | 54.83 | 55.93 | 58.69 | 65.58 | 66.96 | 74.95 | 76.61 | 1.387 | 31 | 43 |
| 34.98 | 36.36 | 37.73 | 39.12 | 40.49 | 43.25 | 49.86 | 53.18 | 54.28 | 57.03 | 63.92 | 65.30 | 73.29 | 74.95 | 1.389 | 36 | 50 |
| 37.61 | 38.99 | 40.36 | 41.74 | 43.12 | 45.88 | 52.49 | 55.80 | 56.90 | 59.66 | 66.55 | 67.93 | 75.92 | 77.57 | 1.393 | 28 | 39 |
| 34.29 | 35.67 | 37.04 | 38.42 | 39.80 | 42.56 | 49.17 | 52.48 | 53.58 | 56.34 | 63.23 | 64.61 | 72.60 | 74.26 | 1.395 | 38 | 53 |
| 32.62 | 34.00 | 35.38 | 36.76 | 38.14 | 40.90 | 47.51 | 50.83 | 51.93 | 54.68 | 61.57 | 62.95 | 70.95 | 72.60 | 1.395 | 43 | 60 |
| 30.96 | 32.34 | 33.72 | 35.10 | 36.48 | 39.24 | 45.85 | 49.17 | 50.27 | 53.02 | 59.92 | 61.30 | 69.29 | 70.94 | 1.396 | 48 | 67 |
| 33.59 | 34.97 | 36.35 | 37.73 | 39.11 | 41.87 | 48.48 | 51.79 | 52.89 | 55.65 | 62.54 | 63.92 | 71.91 | 73.57 | 1.400 | 40 | 56 |
| 31.93 | 33.31 | 34.69 | 36.07 | 37.44 | 40.21 | 46.82 | 50.13 | 51.23 | 53.99 | 60.88 | 62.26 | 70.26 | 71.91 | 1.400 | 45 | 63 |
| 20.20 | 21.59 | 22.98 | 24.37 | 25.75 | 28.52 | 35.16 | 38.48 | 39.58 | 42.35 | 49.25 | 50.63 | 58.63 | 60.29 | 1.400 | 80 | 112 |
| 36.22 | 37.60 | 38.98 | 40.36 | 41.73 | 44.50 | 51.11 | 54.42 | 55.52 | 58.27 | 65.17 | 66.55 | 74.54 | 76.19 | 1.406 | 32 | 45 |
| 35.53 | 36.91 | 38.29 | 39.67 | 41.04 | 43.80 | 50.42 | 53.73 | 54.83 | 57.58 | 64.47 | 65.85 | 73.85 | 75.50 | 1.412 | 34 | 48 |
| 29.15 | 30.53 | 31.91 | 33.29 | 34.67 | 37.43 | 44.05 | 47.36 | 48.46 | 51.22 | 58.12 | 59.50 | 67.49 | 69.15 | 1.415 | 53 | 75 |
| 30.12 | 31.50 | 32.88 | 34.26 | 35.64 | 38.40 | 45.02 | 48.33 | 49.43 | 52.19 | 59.08 | 60.46 | 68.46 | 70.11 | 1.420 | 50 | 71 |
| 37.47 | 38.85 | 40.22 | 41.60 | 42.98 | 45.74 | 52.35 | 55.66 | 56.76 | 59.52 | 66.41 | 67.79 | 75.78 | 77.43 | 1.429 | 28 | 40 |
| 35.11 | 36.49 | 37.87 | 39.25 | 40.63 | 43.39 | 50.00 | 53.31 | 54.41 | 57.17 | 64.06 | 65.44 | 73.43 | 75.09 | 1.429 | 35 | 50 |
| 28.03 | 29.41 | 30.79 | 32.18 | 33.55 | 36.32 | 42.94 | 46.25 | 47.35 | 50.11 | 57.01 | 58.39 | 66.38 | 68.04 | 1.429 | 56 | 80 |
| 25.66 | 27.04 | 28.42 | 29.81 | 31.19 | 33.95 | 40.58 | 43.89 | 45.00 | 47.75 | 54.65 | 56.03 | 64.03 | 65.68 | 1.429 | 63 | 90 |
| 34.42 | 35.80 | 37.18 | 38.56 | 39.93 | 42.69 | 49.31 | 52.62 | 53.72 | 56.48 | 63.37 | 64.75 | 72.74 | 74.39 | 1.432 | 37 | 53 |
| 36.77 | 38.15 | 39.53 | 40.91 | 42.29 | 45.05 | 51.66 | 54.97 | 56.07 | 58.83 | 65.72 | 67.10 | 75.09 | 76.74 | 1.433 | 30 | 43 |
| 33.73 | 35.11 | 36.48 | 37.87 | 39.24 | 42.00 | 48.62 | 51.93 | 53.03 | 55.78 | 62.68 | 64.06 | 72.05 | 73.70 | 1.436 | 39 | 56 |
| 36.36 | 37.74 | 39.11 | 40.49 | 41.87 | 44.63 | 51.24 | 54.55 | 55.65 | 58.41 | 65.30 | 66.68 | 74.67 | 76.33 | 1.452 | 31 | 45 |
| 35.66 | 37.05 | 38.42 | 39.80 | 41.18 | 43.94 | 50.55 | 53.86 | 54.96 | 57.72 | 64.61 | 65.99 | 73.98 | 75.64 | 1.455 | 33 | 48 |
| 32.20 | 33.58 | 34.95 | 36.34 | 37.71 | 40.48 | 47.09 | 50.40 | 51.50 | 54.26 | 61.15 | 62.53 | 70.53 | 72.18 | 1.465 | 43 | 63 |
| 35.25 | 36.63 | 38.00 | 39.39 | 40.76 | 43.52 | 50.14 | 53.45 | 54.55 | 57.30 | 64.20 | 65.58 | 73.57 | 75.22 | 1.471 | 34 | 50 |
| 34.55 | 35.94 | 37.31 | 38.69 | 40.07 | 42.83 | 49.44 | 52.75 | 53.86 | 56.61 | 63.50 | 64.88 | 72.88 | 74.53 | 1.472 | 36 | 53 |
| 33.86 | 35.24 | 36.62 | 38.00 | 39.38 | 42.14 | 48.75 | 52.06 | 53.16 | 55.92 | 62.81 | 64.19 | 72.18 | 73.84 | 1.474 | 38 | 56 |
| 30.39 | 31.77 | 33.15 | 34.53 | 35.91 | 38.67 | 45.29 | 48.60 | 49.70 | 52.46 | 59.35 | 60.73 | 68.73 | 70.38 | 1.479 | 48 | 71 |
| 36.91 | 38.29 | 39.66 | 41.05 | 42.42 | 45.18 | 51.79 | 55.11 | 56.21 | 58.96 | 65.85 | 67.23 | 75.22 | 76.88 | 1.483 | 29 | 43 |
| 31.36 | 32.74 | 34.12 | 35.50 | 36.88 | 39.64 | 46.26 | 49.57 | 50.67 | 53.43 | 60.32 | 61.70 | 69.70 | 71.35 | 1.489 | 45 | 67 |
| 20.83 | 22.23 | 23.61 | 25.01 | 26.39 | 29.17 | 35.82 | 39.14 | 40.24 | 43.01 | 49.91 | 51.29 | 59.30 | 60.96 | 1.493 | 75 | 112 |
| 36.49 | 37.87 | 39.25 | 40.63 | 42.01 | 44.77 | 51.38 | 54.69 | 55.79 | 58.55 | 65.44 | 66.82 | 74.81 | 76.46 | 1.500 | 30 | 45 |
| 35.80 | 37.18 | 38.56 | 39.94 | 41.31 | 44.07 | 50.69 | 54.00 | 55.10 | 57.85 | 64.75 | 66.13 | 74.12 | 75.77 | 1.500 | 32 | 48 |
| 33.02 | 34.41 | 35.78 | 37.16 | 38.54 | 41.30 | 47.92 | 51.23 | 52.33 | 55.09 | 61.98 | 63.36 | 71.35 | 73.01 | 1.500 | 40 | 60 |
| 29.54 | 30.93 | 32.31 | 33.69 | 35.07 | 37.83 | 44.45 | 47.77 | 48.87 | 51.62 | 58.52 | 59.90 | 67.90 | 69.55 | 1.500 | 50 | 75 |
| 26.05 | 27.43 | 28.82 | 30.20 | 31.58 | 34.35 | 40.98 | 44.29 | 45.39 | 48.15 | 55.05 | 56.43 | 64.43 | 66.09 | 1.500 | 60 | 90 |
| 1.01 | 1.02 | 1.03 | 1.04 | 1.05 | 1.07 | 1.12 | 1.14 | 1.14 | 1.16 | 1.19 | 1.20 | 1.24 | 1.25 | Length Factor* | | |

* This length factor must be used to determine the proper belt width.

# QT Power Chain® II Carbon Drive Selection

## 14mm Pre-Engineered Drive Selection Table

| Sprocket Combinations | | | | | Center Distance (in) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DriveR | | DriveN | | | | | | | | | | | | | | | |
| Number of Grooves | Pitch Diameter (inches) | Number of Grooves | Pitch Diameter (inches) | Speed Ratio | 14MPCC-994 P.L. 39.13 71 Teeth | 14MPCC-1120 P.L. 44.09 80 Teeth | 14MPCC-1190 P.L. 46.85 85 Teeth | 14MPCC-1260 P.L. 49.61 90 Teeth | 14MPCC-1400 P.L. 55.12 100 Teeth | 14MPCC-1568 P.L.61.73 112 Teeth | 14MPCC-1610 P.L. 63.39 115 Teeth | 14MPCC-1750 P.L. 68.90 125 Teeth | 14MPCC-1890 P.L.74.41 135 Teeth | 14MPCC-1960 P.L. 77.17 140 Teeth | 14MPCC-2100 P.L.82.68 150 Teeth | 14MPCC-2240 P.L. 88.19 160 Teeth | 14MPCC-2310 P.L. 90.94 165 Teeth |
| 53 | 9.299 | 80 | 14.036 | 1.509 | | | | | | | 13.15 | 15.95 | 18.73 | 20.12 | 22.89 | 25.66 | 27.04 |
| 35 | 6.141 | 53 | 9.299 | 1.514 | | 9.79 | 11.19 | 12.58 | 15.35 | 18.67 | 19.50 | 22.27 | 25.03 | 26.41 | 29.17 | 31.93 | 33.31 |
| 37 | 6.492 | 56 | 9.825 | 1.514 | | 9.08 | 10.48 | 11.87 | 14.65 | 17.97 | 18.81 | 21.57 | 24.33 | 25.72 | 28.48 | 31.24 | 32.61 |
| 33 | 5.790 | 50 | 8.772 | 1.515 | 7.99 | 10.50 | 11.89 | 13.28 | 16.05 | 19.37 | 20.20 | 22.96 | 25.72 | 27.11 | 29.87 | 32.62 | 34.00 |
| 28 | 4.912 | 43 | 7.544 | 1.536 | 9.69 | 12.19 | 13.58 | 14.96 | 17.73 | 21.04 | 21.87 | 24.63 | 27.39 | 28.77 | 31.53 | 34.29 | 35.66 |
| 39 | 6.842 | 60 | 10.527 | 1.538 | | | 9.61 | 11.01 | 13.80 | 17.12 | 17.96 | 20.73 | 23.49 | 24.88 | 27.64 | 30.40 | 31.78 |
| 31 | 5.439 | 48 | 8.421 | 1.548 | 8.55 | 11.06 | 12.45 | 13.84 | 16.61 | 19.92 | 20.76 | 23.52 | 26.28 | 27.66 | 30.42 | 33.18 | 34.55 |
| 29 | 5.088 | 45 | 7.895 | 1.552 | 9.26 | 11.76 | 13.15 | 14.54 | 17.31 | 20.62 | 21.45 | 24.21 | 26.97 | 28.35 | 31.11 | 33.87 | 35.25 |
| 36 | 6.316 | 56 | 9.825 | 1.556 | | 9.20 | 10.60 | 12.00 | 14.78 | 18.10 | 18.94 | 21.70 | 24.46 | 25.85 | 28.61 | 31.37 | 32.75 |
| 43 | 7.544 | 67 | 11.755 | 1.558 | | | | | 12.22 | 15.56 | 16.40 | 19.18 | 21.95 | 23.33 | 26.10 | 28.86 | 30.24 |
| 34 | 5.965 | 53 | 9.299 | 1.559 | | 9.92 | 11.31 | 12.71 | 15.48 | 18.80 | 19.64 | 22.40 | 25.16 | 26.54 | 29.30 | 32.06 | 33.44 |
| 32 | 5.614 | 50 | 8.772 | 1.563 | 8.11 | 10.63 | 12.02 | 13.41 | 16.18 | 19.50 | 20.33 | 23.10 | 25.86 | 27.24 | 30.00 | 32.76 | 34.13 |
| 48 | 8.421 | 75 | 13.158 | 1.563 | | | | | | 13.71 | 14.55 | 17.34 | 20.12 | 21.51 | 24.28 | 27.04 | 28.42 |
| 40 | 7.018 | 63 | 11.053 | 1.575 | | | | 10.42 | 13.21 | 16.55 | 17.38 | 20.16 | 22.92 | 24.31 | 27.07 | 29.83 | 31.21 |
| 71 | 12.457 | 112 | 19.650 | 1.577 | | | | | | | | | | | | 18.53 | 19.93 |
| 45 | 7.895 | 71 | 12.457 | 1.578 | | | | | 11.35 | 14.70 | 15.54 | 18.32 | 21.10 | 22.48 | 25.25 | 28.02 | 29.40 |
| 38 | 6.667 | 60 | 10.527 | 1.579 | | | 9.73 | 11.13 | 13.92 | 17.25 | 18.09 | 20.86 | 23.62 | 25.01 | 27.77 | 30.53 | 31.91 |
| 30 | 5.263 | 48 | 8.421 | 1.600 | 8.67 | 11.19 | 12.58 | 13.97 | 16.74 | 20.06 | 20.89 | 23.65 | 26.41 | 27.79 | 30.55 | 33.31 | 34.69 |
| 35 | 6.141 | 56 | 9.825 | 1.600 | | 9.32 | 10.73 | 12.13 | 14.91 | 18.23 | 19.07 | 21.83 | 24.60 | 25.98 | 28.74 | 31.50 | 32.88 |
| 50 | 8.772 | 80 | 14.036 | 1.600 | | | | | | 12.68 | 13.52 | 16.32 | 19.11 | 20.50 | 23.28 | 26.05 | 27.43 |
| 33 | 5.790 | 53 | 9.299 | 1.606 | | 10.04 | 11.44 | 12.83 | 15.61 | 18.93 | 19.77 | 22.53 | 25.29 | 26.68 | 29.44 | 32.20 | 33.57 |
| 28 | 4.912 | 45 | 7.895 | 1.607 | 9.39 | 11.89 | 13.28 | 14.67 | 17.44 | 20.75 | 21.58 | 24.35 | 27.11 | 28.49 | 31.25 | 34.00 | 35.38 |
| 56 | 9.825 | 90 | 15.790 | 1.607 | | | | | | | | 14.01 | 16.82 | 18.22 | 21.01 | 23.79 | 25.18 |
| 31 | 5.439 | 50 | 8.772 | 1.613 | 8.23 | 10.75 | 12.15 | 13.54 | 16.31 | 19.63 | 20.47 | 23.23 | 25.99 | 27.37 | 30.13 | 32.89 | 34.27 |
| 39 | 6.842 | 63 | 11.053 | 1.615 | | | | 10.54 | 13.34 | 16.68 | 17.51 | 20.29 | 23.05 | 24.44 | 27.20 | 29.97 | 31.34 |
| 37 | 6.492 | 60 | 10.527 | 1.622 | | | 9.85 | 11.26 | 14.05 | 17.38 | 18.22 | 20.99 | 23.75 | 25.14 | 27.90 | 30.66 | 32.04 |
| 34 | 5.965 | 56 | 9.825 | 1.647 | | 9.45 | 10.85 | 12.25 | 15.03 | 18.36 | 19.20 | 21.96 | 24.73 | 26.11 | 28.87 | 31.63 | 33.01 |
| 43 | 7.544 | 71 | 12.457 | 1.651 | | | | | 11.59 | 14.95 | 15.79 | 18.58 | 21.35 | 22.74 | 25.51 | 28.28 | 29.66 |
| 29 | 5.088 | 48 | 8.421 | 1.655 | 8.80 | 11.31 | 12.71 | 14.10 | 16.87 | 20.19 | 21.02 | 23.78 | 26.54 | 27.93 | 30.68 | 33.44 | 34.82 |
| 32 | 5.614 | 53 | 9.299 | 1.656 | | 10.16 | 11.57 | 12.96 | 15.74 | 19.06 | 19.90 | 22.66 | 25.43 | 26.81 | 29.57 | 32.33 | 33.71 |
| 38 | 6.667 | 63 | 11.053 | 1.658 | | | | 10.66 | 13.46 | 16.80 | 17.64 | 20.41 | 23.18 | 24.57 | 27.33 | 30.10 | 31.48 |
| 30 | 5.263 | 50 | 8.772 | 1.667 | 8.36 | 10.88 | 12.28 | 13.67 | 16.44 | 19.76 | 20.60 | 23.36 | 26.12 | 27.51 | 30.27 | 33.03 | 34.40 |
| 36 | 6.316 | 60 | 10.527 | 1.667 | | | 9.97 | 11.38 | 14.17 | 17.51 | 18.35 | 21.12 | 23.88 | 25.27 | 28.03 | 30.79 | 32.17 |
| 45 | 7.895 | 75 | 13.158 | 1.667 | | | | | | 14.08 | 14.93 | 17.72 | 20.50 | 21.89 | 24.66 | 27.43 | 28.81 |
| 48 | 8.421 | 80 | 14.036 | 1.667 | | | | | | 12.92 | 13.77 | 16.57 | 19.36 | 20.76 | 23.53 | 26.31 | 27.69 |
| 67 | 11.755 | 112 | 19.650 | 1.672 | | | | | | | | | | | 16.19 | 19.02 | 20.42 |
| 40 | 7.018 | 67 | 11.755 | 1.675 | | | | | 12.59 | 15.94 | 16.78 | 19.56 | 22.34 | 23.72 | 26.49 | 29.25 | 30.63 |
| 33 | 5.790 | 56 | 9.825 | 1.697 | | 9.57 | 10.98 | 12.38 | 15.16 | 18.49 | 19.33 | 22.09 | 24.86 | 26.24 | 29.01 | 31.77 | 33.14 |
| 53 | 9.299 | 90 | 15.790 | 1.698 | | | | | | | | 14.38 | 17.19 | 18.60 | 21.39 | 24.17 | 25.56 |
| 37 | 6.492 | 63 | 11.053 | 1.703 | | | | 10.78 | 13.59 | 16.93 | 17.77 | 20.54 | 23.31 | 24.70 | 27.47 | 30.23 | 31.61 |
| 31 | 5.439 | 53 | 9.299 | 1.710 | | 10.29 | 11.69 | 13.09 | 15.87 | 19.19 | 20.03 | 22.79 | 25.56 | 26.94 | 29.70 | 32.46 | 33.84 |
| 28 | 4.912 | 48 | 8.421 | 1.714 | 8.92 | 11.44 | 12.83 | 14.22 | 17.00 | 20.32 | 21.15 | 23.91 | 26.68 | 28.06 | 30.82 | 33.58 | 34.95 |
| 35 | 6.141 | 60 | 10.527 | 1.714 | | | 10.09 | 11.50 | 14.30 | 17.64 | 18.47 | 21.25 | 24.01 | 25.40 | 28.16 | 30.93 | 32.30 |
| 39 | 6.842 | 67 | 11.755 | 1.718 | | | | | 12.72 | 16.07 | 16.91 | 19.69 | 22.46 | 23.85 | 26.62 | 29.39 | 30.77 |
| 29 | 5.088 | 50 | 8.772 | 1.724 | 8.48 | 11.00 | 12.40 | 13.80 | 16.57 | 19.89 | 20.73 | 23.49 | 26.25 | 27.64 | 30.40 | 33.16 | 34.54 |
| 43 | 7.544 | 75 | 13.158 | 1.744 | | | | | | 14.33 | 15.18 | 17.97 | 20.76 | 22.15 | 24.92 | 27.69 | 29.08 |
| 32 | 5.614 | 56 | 9.825 | 1.750 | | 9.69 | 11.10 | 12.50 | 15.29 | 18.62 | 19.46 | 22.22 | 24.99 | 26.38 | 29.14 | 31.90 | 33.28 |
| 36 | 6.316 | 63 | 11.053 | 1.750 | | | 9.49 | 10.91 | 13.71 | 17.06 | 17.90 | 20.67 | 23.44 | 24.83 | 27.60 | 30.36 | 31.74 |
| 80 | 14.036 | 140 | 24.562 | 1.750 | | | | | | | | | | | | | |
| 38 | 6.667 | 67 | 11.755 | 1.763 | | | | 10.01 | 12.84 | 16.20 | 17.04 | 19.82 | 22.59 | 23.98 | 26.75 | 29.52 | 30.90 |
| 34 | 5.965 | 60 | 10.527 | 1.765 | | | 10.22 | 11.63 | 14.43 | 17.77 | 18.60 | 21.38 | 24.14 | 25.53 | 28.30 | 31.06 | 32.44 |
| 30 | 5.263 | 53 | 9.299 | 1.767 | | 10.41 | 11.82 | 13.21 | 16.00 | 19.32 | 20.16 | 22.92 | 25.69 | 27.07 | 29.83 | 32.60 | 33.97 |
| 40 | 7.018 | 71 | 12.457 | 1.775 | | | | | 11.95 | 15.33 | 16.17 | 18.96 | 21.74 | 23.13 | 25.90 | 28.67 | 30.05 |
| 45 | 7.895 | 80 | 14.036 | 1.778 | | | | | | 13.28 | 14.14 | 16.95 | 19.74 | 21.14 | 23.92 | 26.69 | 28.08 |
| 63 | 11.053 | 112 | 19.650 | 1.778 | | | | | | | | | | | 16.67 | 19.51 | 20.91 |
| 28 | 4.912 | 50 | 8.772 | 1.786 | 8.60 | 11.13 | 12.53 | 13.92 | 16.70 | 20.02 | 20.86 | 23.62 | 26.39 | 27.77 | 30.53 | 33.29 | 34.67 |
| 35 | 6.141 | 63 | 11.053 | 1.800 | | | 9.61 | 11.03 | 13.84 | 17.19 | 18.02 | 20.80 | 23.57 | 24.96 | 27.73 | 30.49 | 31.87 |
| 50 | 8.772 | 90 | 15.790 | 1.800 | | | | | | | | 14.74 | 17.56 | 18.97 | 21.77 | 24.55 | 25.94 |
| 31 | 5.439 | 56 | 9.825 | 1.806 | | 9.81 | 11.22 | 12.63 | 15.42 | 18.75 | 19.58 | 22.35 | 25.12 | 26.51 | 29.27 | 32.03 | 33.41 |
| 37 | 6.492 | 67 | 11.755 | 1.811 | | | | 10.13 | 12.96 | 16.32 | 17.16 | 19.94 | 22.72 | 24.11 | 26.88 | 29.65 | 31.03 |
| 33 | 5.790 | 60 | 10.527 | 1.818 | | 8.91 | 10.34 | 11.75 | 14.55 | 17.89 | 18.73 | 21.50 | 24.27 | 25.66 | 28.43 | 31.19 | 32.57 |
| 39 | 6.842 | 71 | 12.457 | 1.821 | | | | | 12.07 | 15.45 | 16.30 | 19.09 | 21.87 | 23.26 | 26.03 | 28.80 | 30.18 |
| 29 | 5.088 | 53 | 9.299 | 1.828 | 7.99 | 10.53 | 11.94 | 13.34 | 16.12 | 19.45 | 20.29 | 23.05 | 25.82 | 27.20 | 29.97 | 32.73 | 34.11 |
| 34 | 5.965 | 63 | 11.053 | 1.853 | | | 9.72 | 11.15 | 13.96 | 17.31 | 18.15 | 20.93 | 23.70 | 25.09 | 27.86 | 30.62 | 32.00 |
| 43 | 7.544 | 80 | 14.036 | 1.860 | | | | | | 13.52 | 14.38 | 17.19 | 19.99 | 21.39 | 24.17 | 26.95 | 28.33 |
| 36 | 6.316 | 67 | 11.755 | 1.861 | | | | 10.25 | 13.08 | 16.45 | 17.29 | 20.07 | 22.85 | 24.24 | 27.01 | 29.78 | 31.16 |
| 30 | 5.263 | 56 | 9.825 | 1.867 | | 9.93 | 11.34 | 12.75 | 15.54 | 18.88 | 19.71 | 22.48 | 25.25 | 26.64 | 29.40 | 32.16 | 33.54 |
| 60 | 10.527 | 112 | 19.650 | 1.867 | | | | | | | | | | | 17.02 | 19.87 | 21.28 |
| 75 | 13.158 | 140 | 24.562 | 1.867 | | | | | | | | | | | | | |
| 38 | 6.667 | 71 | 12.457 | 1.868 | | | | | 12.19 | 15.58 | 16.42 | 19.21 | 21.99 | 23.39 | 26.16 | 28.93 | 30.31 |
| Length Factor* | | | | | 0.68 | 0.73 | 0.75 | 0.77 | 0.81 | 0.85 | 0.86 | 0.89 | 0.92 | 0.94 | 0.96 | 0.99 | 1.00 |

* This length factor must be used to determine the proper belt width.

## 14mm Pre-Engineered Drive Selection Table

| Center Distance (in) | | | | | | | | | | | | | | | Speed Ratio | Sprocket Combinations | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | DriveR | DriveN |
| 14MPCC-2380 P.L. 93.70 170 Teeth | 14MPCC-2450 P.L. 96.46 175 Teeth | 14MPCC-2530 P.L. 99.21 180 Teeth | 14MPCC-2590 P.L. 101.97 185 Teeth | 14MPCC-2660 P.L. 104.72 190 Teeth | 14MPCC-2800 P.L.110.24 200 Teeth | 14MPCC-3136 P.L. 123.46 224 Teeth | 14MPCC-3304 P.L. 130.08 236 Teeth | 14MPCC-3360 P.L.132.28 240 Teeth | 14MPCC-3500 P.L. 137.79 250 Teeth | 14MPCC-3850 P.L.151.57 275 Teeth | 14MPCC-3920 P.L. 154.33 280 Teeth | 14MPCC-4326 P.L. 170.31 309 Teeth | 14MPCC-4410 P.L.173.62 315 Teeth | | Number of Grooves | Pitch Diameter (inches) |
| 28.42 | 29.81 | 31.19 | 32.57 | 33.95 | 36.72 | 43.34 | 46.65 | 47.75 | 50.51 | 57.41 | 58.79 | 66.79 | 68.44 | 1.509 | 53 | 80 |
| 34.69 | 36.07 | 37.45 | 38.83 | 40.20 | 42.96 | 49.58 | 52.89 | 53.99 | 56.75 | 63.64 | 65.02 | 73.01 | 74.67 | 1.514 | 35 | 53 |
| 33.99 | 35.38 | 36.75 | 38.13 | 39.51 | 42.27 | 48.89 | 52.20 | 53.30 | 56.05 | 62.95 | 64.33 | 72.32 | 73.98 | 1.514 | 37 | 56 |
| 35.38 | 36.76 | 38.14 | 39.52 | 40.90 | 43.66 | 50.27 | 53.58 | 54.68 | 57.44 | 64.33 | 65.71 | 73.70 | 75.36 | 1.515 | 33 | 50 |
| 37.04 | 38.42 | 39.80 | 41.18 | 42.56 | 45.32 | 51.93 | 55.24 | 56.34 | 59.10 | 65.99 | 67.37 | 75.36 | 77.02 | 1.536 | 28 | 43 |
| 33.16 | 34.54 | 35.92 | 37.30 | 38.67 | 41.44 | 48.05 | 51.37 | 52.47 | 55.22 | 62.12 | 63.50 | 71.49 | 73.15 | 1.538 | 39 | 60 |
| 35.93 | 37.31 | 38.69 | 40.07 | 41.45 | 44.21 | 50.82 | 54.13 | 55.23 | 57.99 | 64.88 | 66.26 | 74.25 | 75.91 | 1.548 | 31 | 48 |
| 36.63 | 38.01 | 39.38 | 40.76 | 42.14 | 44.90 | 51.51 | 54.83 | 55.93 | 58.68 | 65.57 | 66.95 | 74.95 | 76.60 | 1.552 | 29 | 45 |
| 34.13 | 35.51 | 36.89 | 38.27 | 39.64 | 42.41 | 49.02 | 52.33 | 53.43 | 56.19 | 63.08 | 64.46 | 72.46 | 74.11 | 1.556 | 36 | 56 |
| 31.62 | 33.01 | 34.38 | 35.77 | 37.14 | 39.91 | 46.52 | 49.84 | 50.94 | 53.70 | 60.59 | 61.97 | 69.97 | 71.62 | 1.558 | 43 | 67 |
| 34.82 | 36.20 | 37.58 | 38.96 | 40.34 | 43.10 | 49.71 | 53.03 | 54.13 | 56.88 | 63.77 | 65.16 | 73.15 | 74.80 | 1.559 | 34 | 53 |
| 35.52 | 36.90 | 38.27 | 39.65 | 41.03 | 43.79 | 50.41 | 53.72 | 54.82 | 57.57 | 64.47 | 65.85 | 73.84 | 75.49 | 1.563 | 32 | 50 |
| 29.81 | 31.19 | 32.57 | 33.95 | 35.33 | 38.10 | 44.72 | 48.03 | 49.13 | 51.89 | 58.79 | 60.17 | 68.17 | 69.82 | 1.563 | 48 | 75 |
| 32.59 | 33.98 | 35.35 | 36.74 | 38.11 | 40.88 | 47.49 | 50.81 | 51.91 | 54.66 | 61.56 | 62.94 | 70.93 | 72.59 | 1.575 | 40 | 63 |
| 21.33 | 22.73 | 24.12 | 25.51 | 26.90 | 29.69 | 36.34 | 39.66 | 40.76 | 43.53 | 50.44 | 51.82 | 59.83 | 61.49 | 1.577 | 71 | 112 |
| 30.78 | 32.16 | 33.54 | 34.93 | 36.30 | 39.07 | 45.69 | 49.00 | 50.10 | 52.86 | 59.76 | 61.14 | 69.13 | 70.79 | 1.578 | 45 | 71 |
| 33.29 | 34.67 | 36.05 | 37.43 | 38.81 | 41.57 | 48.19 | 51.50 | 52.60 | 55.36 | 62.25 | 63.63 | 71.62 | 73.28 | 1.579 | 38 | 60 |
| 36.07 | 37.45 | 38.83 | 40.21 | 41.58 | 44.34 | 50.96 | 54.27 | 55.37 | 58.13 | 65.02 | 66.40 | 74.39 | 76.05 | 1.600 | 30 | 48 |
| 34.26 | 35.64 | 37.02 | 38.40 | 39.78 | 42.54 | 49.16 | 52.47 | 53.57 | 56.33 | 63.22 | 64.60 | 72.59 | 74.25 | 1.600 | 35 | 56 |
| 28.82 | 30.20 | 31.58 | 32.97 | 34.35 | 37.11 | 43.74 | 47.05 | 48.15 | 50.91 | 57.81 | 59.19 | 67.19 | 68.85 | 1.600 | 50 | 80 |
| 34.96 | 36.34 | 37.71 | 39.09 | 40.47 | 43.23 | 49.85 | 53.16 | 54.26 | 57.02 | 63.91 | 65.29 | 73.28 | 74.94 | 1.606 | 33 | 53 |
| 36.76 | 38.14 | 39.52 | 40.90 | 42.28 | 45.04 | 51.65 | 54.96 | 56.06 | 58.82 | 65.71 | 67.09 | 75.08 | 76.74 | 1.607 | 28 | 45 |
| 26.56 | 27.95 | 29.34 | 30.72 | 32.10 | 34.87 | 41.50 | 44.82 | 45.93 | 48.69 | 55.59 | 56.97 | 64.97 | 66.63 | 1.607 | 56 | 90 |
| 35.65 | 37.03 | 38.41 | 39.79 | 41.16 | 43.93 | 50.54 | 53.85 | 54.95 | 57.71 | 64.60 | 65.98 | 73.97 | 75.63 | 1.613 | 31 | 50 |
| 32.73 | 34.11 | 35.49 | 36.87 | 38.25 | 41.01 | 47.63 | 50.94 | 52.04 | 54.80 | 61.69 | 63.08 | 71.07 | 72.72 | 1.615 | 39 | 63 |
| 33.42 | 34.80 | 36.18 | 37.56 | 38.94 | 41.70 | 48.32 | 51.63 | 52.73 | 55.49 | 62.39 | 63.77 | 71.76 | 73.42 | 1.622 | 37 | 60 |
| 34.39 | 35.78 | 37.15 | 38.54 | 39.91 | 42.67 | 49.29 | 52.60 | 53.70 | 56.46 | 63.35 | 64.73 | 72.73 | 74.38 | 1.647 | 34 | 56 |
| 31.04 | 32.43 | 33.81 | 35.19 | 36.57 | 39.33 | 45.96 | 49.27 | 50.37 | 53.13 | 60.03 | 61.41 | 69.40 | 71.06 | 1.651 | 43 | 71 |
| 36.20 | 37.58 | 38.96 | 40.34 | 41.72 | 44.48 | 51.09 | 54.40 | 55.51 | 58.26 | 65.15 | 66.53 | 74.53 | 76.18 | 1.655 | 29 | 48 |
| 35.09 | 36.47 | 37.85 | 39.23 | 40.61 | 43.37 | 49.98 | 53.30 | 54.40 | 57.15 | 64.05 | 65.43 | 73.42 | 75.07 | 1.656 | 32 | 53 |
| 32.86 | 34.24 | 35.62 | 37.00 | 38.38 | 41.14 | 47.76 | 51.08 | 52.18 | 54.93 | 61.83 | 63.21 | 71.20 | 72.86 | 1.658 | 38 | 63 |
| 35.78 | 37.17 | 38.54 | 39.92 | 41.30 | 44.06 | 50.68 | 53.99 | 55.09 | 57.85 | 64.74 | 66.12 | 74.11 | 75.77 | 1.667 | 30 | 50 |
| 33.56 | 34.94 | 36.32 | 37.70 | 39.07 | 41.84 | 48.46 | 51.77 | 52.87 | 55.63 | 62.52 | 63.90 | 71.90 | 73.55 | 1.667 | 36 | 60 |
| 30.20 | 31.59 | 32.96 | 34.35 | 35.73 | 38.50 | 45.12 | 48.43 | 49.54 | 52.29 | 59.19 | 60.57 | 68.57 | 70.23 | 1.667 | 45 | 75 |
| 29.08 | 30.46 | 31.84 | 33.23 | 34.61 | 37.38 | 44.00 | 47.32 | 48.42 | 51.18 | 58.08 | 59.46 | 67.46 | 69.12 | 1.667 | 48 | 80 |
| 21.83 | 23.23 | 24.62 | 26.02 | 27.41 | 30.20 | 36.85 | 40.18 | 41.29 | 44.05 | 50.97 | 52.35 | 60.36 | 62.02 | 1.672 | 67 | 112 |
| 32.02 | 33.40 | 34.78 | 36.16 | 37.54 | 40.31 | 46.93 | 50.24 | 51.34 | 54.10 | 60.99 | 62.38 | 70.37 | 72.03 | 1.675 | 40 | 67 |
| 34.53 | 35.91 | 37.29 | 38.67 | 40.05 | 42.81 | 49.42 | 52.74 | 53.84 | 56.60 | 63.49 | 64.87 | 72.86 | 74.52 | 1.697 | 33 | 56 |
| 26.95 | 28.34 | 29.72 | 31.11 | 32.49 | 35.27 | 41.90 | 45.22 | 46.32 | 49.08 | 55.99 | 57.37 | 65.37 | 67.03 | 1.698 | 53 | 90 |
| 32.99 | 34.37 | 35.75 | 37.14 | 38.51 | 41.28 | 47.90 | 51.21 | 52.31 | 55.07 | 61.96 | 63.34 | 71.34 | 72.99 | 1.703 | 37 | 63 |
| 35.22 | 36.60 | 37.98 | 39.36 | 40.74 | 43.50 | 50.12 | 53.43 | 54.53 | 57.29 | 64.18 | 65.56 | 73.55 | 75.21 | 1.710 | 31 | 53 |
| 36.34 | 37.72 | 39.09 | 40.48 | 41.85 | 44.61 | 51.23 | 54.54 | 55.64 | 58.40 | 65.29 | 66.67 | 74.66 | 76.32 | 1.714 | 28 | 48 |
| 33.69 | 35.07 | 36.45 | 37.83 | 39.21 | 41.97 | 48.59 | 51.90 | 53.00 | 55.76 | 62.66 | 64.04 | 72.03 | 73.69 | 1.714 | 35 | 60 |
| 32.15 | 33.53 | 34.91 | 36.30 | 37.67 | 40.44 | 47.06 | 50.37 | 51.48 | 54.23 | 61.13 | 62.51 | 70.51 | 72.16 | 1.718 | 39 | 67 |
| 35.92 | 37.30 | 38.68 | 40.06 | 41.43 | 44.20 | 50.81 | 54.12 | 55.22 | 57.98 | 64.87 | 66.25 | 74.25 | 75.90 | 1.724 | 29 | 50 |
| 30.46 | 31.85 | 33.23 | 34.61 | 35.99 | 38.76 | 45.38 | 48.70 | 49.80 | 52.56 | 59.46 | 60.84 | 68.84 | 70.49 | 1.744 | 43 | 75 |
| 34.66 | 36.04 | 37.42 | 38.80 | 40.18 | 42.94 | 49.56 | 52.87 | 53.97 | 56.73 | 63.62 | 65.01 | 73.00 | 74.65 | 1.750 | 32 | 56 |
| 33.12 | 34.51 | 35.89 | 37.27 | 38.65 | 41.41 | 48.03 | 51.34 | 52.44 | 55.20 | 62.10 | 63.48 | 71.47 | 73.13 | 1.750 | 36 | 63 |
| | | | 19.97 | 21.39 | 24.23 | 30.97 | 34.32 | 35.43 | 38.22 | 45.16 | 46.55 | 54.59 | 56.25 | 1.750 | 80 | 140 |
| 32.28 | 33.67 | 35.04 | 36.43 | 37.81 | 40.57 | 47.19 | 50.51 | 51.61 | 54.37 | 61.26 | 62.64 | 70.64 | 72.30 | 1.763 | 38 | 67 |
| 33.82 | 35.20 | 36.58 | 37.96 | 39.34 | 42.11 | 48.72 | 52.04 | 53.14 | 55.90 | 62.79 | 64.17 | 72.17 | 73.82 | 1.765 | 34 | 60 |
| 35.36 | 36.74 | 38.11 | 39.50 | 40.87 | 43.64 | 50.25 | 53.57 | 54.67 | 57.42 | 64.32 | 65.70 | 73.69 | 75.35 | 1.767 | 30 | 53 |
| 31.44 | 32.82 | 34.20 | 35.59 | 36.96 | 39.73 | 46.35 | 49.67 | 50.77 | 53.53 | 60.43 | 61.81 | 69.81 | 71.46 | 1.775 | 40 | 71 |
| 29.47 | 30.85 | 32.23 | 33.62 | 35.00 | 37.77 | 44.40 | 47.72 | 48.82 | 51.58 | 58.48 | 59.86 | 67.86 | 69.52 | 1.778 | 45 | 80 |
| 22.32 | 23.73 | 25.12 | 26.52 | 27.91 | 30.70 | 37.37 | 40.70 | 41.80 | 44.57 | 51.49 | 52.88 | 60.89 | 62.55 | 1.778 | 63 | 112 |
| 36.05 | 37.43 | 38.81 | 40.19 | 41.57 | 44.33 | 50.95 | 54.26 | 55.36 | 58.12 | 65.01 | 66.39 | 74.38 | 76.04 | 1.786 | 28 | 50 |
| 33.26 | 34.64 | 36.02 | 37.40 | 38.78 | 41.54 | 48.16 | 51.48 | 52.58 | 55.34 | 62.23 | 63.61 | 71.61 | 73.26 | 1.800 | 35 | 63 |
| 27.33 | 28.72 | 30.11 | 31.50 | 32.88 | 35.66 | 42.29 | 45.61 | 46.72 | 49.48 | 56.38 | 57.77 | 65.77 | 67.43 | 1.800 | 50 | 90 |
| 34.79 | 36.18 | 37.55 | 38.93 | 40.31 | 43.08 | 49.69 | 53.01 | 54.11 | 56.86 | 63.76 | 65.14 | 73.13 | 74.79 | 1.806 | 31 | 56 |
| 32.41 | 33.80 | 35.18 | 36.56 | 37.94 | 40.70 | 47.33 | 50.64 | 51.74 | 54.50 | 61.40 | 62.78 | 70.77 | 72.43 | 1.811 | 37 | 67 |
| 33.95 | 35.34 | 36.71 | 38.10 | 39.47 | 42.24 | 48.86 | 52.17 | 53.27 | 56.03 | 62.93 | 64.31 | 72.30 | 73.96 | 1.818 | 33 | 60 |
| 31.57 | 32.95 | 34.33 | 35.72 | 37.10 | 39.86 | 46.49 | 49.80 | 50.91 | 53.66 | 60.56 | 61.94 | 69.94 | 71.60 | 1.821 | 39 | 71 |
| 35.49 | 36.87 | 38.25 | 39.63 | 41.01 | 43.77 | 50.39 | 53.70 | 54.80 | 57.56 | 64.45 | 65.83 | 73.83 | 75.48 | 1.828 | 29 | 53 |
| 33.39 | 34.77 | 36.15 | 37.53 | 38.91 | 41.68 | 48.30 | 51.61 | 52.71 | 55.47 | 62.37 | 63.75 | 71.74 | 73.40 | 1.853 | 34 | 63 |
| 29.72 | 31.11 | 32.49 | 33.88 | 35.26 | 38.03 | 44.66 | 47.98 | 49.08 | 51.84 | 58.75 | 60.13 | 68.13 | 69.79 | 1.860 | 43 | 80 |
| 32.54 | 33.93 | 35.31 | 36.69 | 38.07 | 40.84 | 47.46 | 50.77 | 51.88 | 54.63 | 61.53 | 62.91 | 70.91 | 72.57 | 1.861 | 36 | 67 |
| 34.93 | 36.31 | 37.69 | 39.07 | 40.45 | 43.21 | 49.83 | 53.14 | 54.24 | 57.00 | 63.89 | 65.28 | 73.27 | 74.93 | 1.867 | 30 | 56 |
| 22.69 | 24.10 | 25.49 | 26.90 | 28.29 | 31.08 | 37.75 | 41.09 | 42.19 | 44.96 | 51.88 | 53.27 | 61.28 | 62.94 | 1.867 | 60 | 112 |
| | | | 20.56 | 21.99 | 24.84 | 31.59 | 34.95 | 36.06 | 38.85 | 45.80 | 47.19 | 55.24 | 56.90 | 1.867 | 75 | 140 |
| 31.70 | 33.08 | 34.46 | 35.85 | 37.23 | 40.00 | 46.62 | 49.94 | 51.04 | 53.80 | 60.70 | 62.08 | 70.08 | 71.73 | 1.868 | 38 | 71 |
| 1.01 | 1.02 | 1.03 | 1.04 | 1.05 | 1.07 | 1.12 | 1.14 | 1.14 | 1.16 | 1.19 | 1.20 | 1.24 | 1.25 | Length Factor* | | |

* This length factor must be used to determine the proper belt width.

# QT Power Chain® II Carbon Drive Selection

## 14mm Pre-Engineered Drive Selection Table

| Sprocket Combinations | | | | | Center Distance (in) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DriveR | | DriveN | | | | | | | | | | | | | | | |
| Number of Grooves | Pitch Diameter (inches) | Number of Grooves | Pitch Diameter (inches) | Speed Ratio | 14MPCC-994 P.L. 39.13 71 Teeth | 14MPCC-1120 P.L. 44.09 80 Teeth | 14MPCC-1190 P.L. 46.85 85 Teeth | 14MPCC-1260 P.L. 49.61 90 Teeth | 14MPCC-1400 P.L. 55.12 100 Teeth | 14MPCC-1568 P.L.61.73 112 Teeth | 14MPCC-1610 P.L. 63.39 115 Teeth | 14MPCC-1750 P.L. 68.90 125 Teeth | 14MPCC-1890 P.L.74.41 135 Teeth | 14MPCC-1960 P.L. 77.17 140 Teeth | 14MPCC-2100 P.L.82.68 150 Teeth | 14MPCC-2240 P.L. 88.19 160 Teeth | 14MPCC-2310 P.L. 90.94 165 Teeth |
| 32 | 5.614 | 60 | 10.527 | 1.875 | | 9.03 | 10.46 | 11.87 | 14.68 | 18.02 | 18.86 | 21.63 | 24.40 | 25.79 | 28.56 | 31.32 | 32.70 |
| 40 | 7.018 | 75 | 13.158 | 1.875 | | | | | 11.29 | 14.70 | 15.54 | 18.35 | 21.14 | 22.53 | 25.31 | 28.08 | 29.46 |
| 48 | 8.421 | 90 | 15.790 | 1.875 | | | | | | | | 14.98 | 17.81 | 19.22 | 22.02 | 24.81 | 26.20 |
| 28 | 4.912 | 53 | 9.299 | 1.893 | 8.11 | 10.66 | 12.06 | 13.46 | 16.25 | 19.58 | 20.42 | 23.18 | 25.95 | 27.34 | 30.10 | 32.86 | 34.24 |
| 33 | 5.790 | 63 | 11.053 | 1.909 | | | 9.84 | 11.27 | 14.09 | 17.44 | 18.28 | 21.06 | 23.83 | 25.22 | 27.99 | 30.75 | 32.13 |
| 35 | 6.141 | 67 | 11.755 | 1.914 | | | | 10.37 | 13.21 | 16.57 | 17.41 | 20.20 | 22.98 | 24.37 | 27.14 | 29.91 | 31.29 |
| 37 | 6.492 | 71 | 12.457 | 1.919 | | | | | 12.31 | 15.70 | 16.54 | 19.34 | 22.12 | 23.51 | 26.29 | 29.06 | 30.44 |
| 39 | 6.842 | 75 | 13.158 | 1.923 | | | | | 11.41 | 14.82 | 15.67 | 18.47 | 21.26 | 22.66 | 25.44 | 28.21 | 29.59 |
| 29 | 5.088 | 56 | 9.825 | 1.931 | | 10.05 | 11.47 | 12.87 | 15.67 | 19.00 | 19.84 | 22.61 | 25.38 | 26.77 | 29.53 | 32.30 | 33.67 |
| 31 | 5.439 | 60 | 10.527 | 1.935 | | 9.15 | 10.58 | 11.99 | 14.80 | 18.15 | 18.98 | 21.76 | 24.53 | 25.92 | 28.69 | 31.45 | 32.83 |
| 32 | 5.614 | 63 | 11.053 | 1.969 | | | 9.96 | 11.39 | 14.21 | 17.56 | 18.40 | 21.18 | 23.96 | 25.35 | 28.12 | 30.88 | 32.27 |
| 34 | 5.965 | 67 | 11.755 | 1.971 | | | | 10.49 | 13.33 | 16.70 | 17.54 | 20.33 | 23.11 | 24.50 | 27.27 | 30.04 | 31.42 |
| 36 | 6.316 | 71 | 12.457 | 1.972 | | | | | 12.43 | 15.82 | 16.67 | 19.46 | 22.25 | 23.64 | 26.42 | 29.19 | 30.57 |
| 71 | 12.457 | 140 | 24.562 | 1.972 | | | | | | | | | | | | | |
| 38 | 6.667 | 75 | 13.158 | 1.974 | | | | | 11.53 | 14.94 | 15.79 | 18.60 | 21.39 | 22.78 | 25.56 | 28.34 | 29.72 |
| 28 | 4.912 | 56 | 9.825 | 2.000 | | 10.17 | 11.59 | 13.00 | 15.79 | 19.13 | 19.97 | 22.74 | 25.51 | 26.90 | 29.66 | 32.43 | 33.81 |
| 30 | 5.263 | 60 | 10.527 | 2.000 | | 9.27 | 10.70 | 12.12 | 14.93 | 18.27 | 19.11 | 21.89 | 24.66 | 26.05 | 28.82 | 31.58 | 32.96 |
| 40 | 7.018 | 80 | 14.036 | 2.000 | | | | | | 13.88 | 14.74 | 17.56 | 20.37 | 21.77 | 24.55 | 27.33 | 28.72 |
| 45 | 7.895 | 90 | 15.790 | 2.000 | | | | | | | 12.46 | 15.34 | 18.17 | 19.58 | 22.39 | 25.18 | 26.57 |
| 56 | 9.825 | 112 | 19.650 | 2.000 | | | | | | | | | | | 17.50 | 20.35 | 21.76 |
| 37 | 6.492 | 75 | 13.158 | 2.027 | | | | | 11.65 | 15.06 | 15.91 | 18.72 | 21.51 | 22.91 | 25.69 | 28.47 | 29.85 |
| 35 | 6.141 | 71 | 12.457 | 2.029 | | | | | 12.55 | 15.94 | 16.79 | 19.59 | 22.37 | 23.77 | 26.55 | 29.32 | 30.70 |
| 33 | 5.790 | 67 | 11.755 | 2.030 | | | | 10.60 | 13.45 | 16.82 | 17.66 | 20.45 | 23.23 | 24.62 | 27.40 | 30.17 | 31.55 |
| 31 | 5.439 | 63 | 11.053 | 2.032 | | | 10.08 | 11.51 | 14.33 | 17.69 | 18.53 | 21.31 | 24.09 | 25.48 | 28.25 | 31.02 | 32.40 |
| 39 | 6.842 | 80 | 14.036 | 2.051 | | | | | | 14.00 | 14.86 | 17.69 | 20.49 | 21.89 | 24.68 | 27.46 | 28.85 |
| 29 | 5.088 | 60 | 10.527 | 2.069 | | 9.38 | 10.82 | 12.24 | 15.05 | 18.40 | 19.24 | 22.02 | 24.79 | 26.18 | 28.95 | 31.71 | 33.09 |
| 36 | 6.316 | 75 | 13.158 | 2.083 | | | | | 11.76 | 15.18 | 16.03 | 18.84 | 21.64 | 23.04 | 25.82 | 28.60 | 29.98 |
| 34 | 5.965 | 71 | 12.457 | 2.088 | | | | | 12.67 | 16.07 | 16.91 | 19.71 | 22.50 | 23.90 | 26.67 | 29.45 | 30.83 |
| 67 | 11.755 | 140 | 24.562 | 2.090 | | | | | | | | | | | | | |
| 43 | 7.544 | 90 | 15.790 | 2.093 | | | | | | | 12.69 | 15.57 | 18.42 | 19.83 | 22.64 | 25.43 | 26.83 |
| 32 | 5.614 | 67 | 11.755 | 2.094 | | | | 10.72 | 13.57 | 16.94 | 17.79 | 20.58 | 23.36 | 24.75 | 27.53 | 30.30 | 31.68 |
| 30 | 5.263 | 63 | 11.053 | 2.100 | | | 10.20 | 11.63 | 14.45 | 17.81 | 18.66 | 21.44 | 24.22 | 25.61 | 28.38 | 31.15 | 32.53 |
| 80 | 14.036 | 168 | 29.475 | 2.100 | | | | | | | | | | | | | |
| 38 | 6.667 | 80 | 14.036 | 2.105 | | | | | | 14.12 | 14.98 | 17.81 | 20.61 | 22.02 | 24.81 | 27.59 | 28.98 |
| 53 | 9.299 | 112 | 19.650 | 2.113 | | | | | | | | | | 14.94 | 17.85 | 20.71 | 22.13 |
| 28 | 4.912 | 60 | 10.527 | 2.143 | | 9.50 | 10.94 | 12.36 | 15.17 | 18.53 | 19.37 | 22.15 | 24.92 | 26.31 | 29.08 | 31.85 | 33.23 |
| 35 | 6.141 | 75 | 13.158 | 2.143 | | | | | 11.88 | 15.30 | 16.16 | 18.97 | 21.76 | 23.16 | 25.95 | 28.72 | 30.11 |
| 33 | 5.790 | 71 | 12.457 | 2.152 | | | | 9.91 | 12.79 | 16.19 | 17.04 | 19.84 | 22.63 | 24.02 | 26.80 | 29.58 | 30.96 |
| 31 | 5.439 | 67 | 11.755 | 2.161 | | | 9.38 | 10.84 | 13.69 | 17.07 | 17.91 | 20.70 | 23.49 | 24.88 | 27.66 | 30.43 | 31.81 |
| 37 | 6.492 | 80 | 14.036 | 2.162 | | | | | | 14.24 | 15.10 | 17.93 | 20.74 | 22.14 | 24.93 | 27.72 | 29.10 |
| 29 | 5.088 | 63 | 11.053 | 2.172 | | 8.86 | 10.31 | 11.75 | 14.58 | 17.94 | 18.78 | 21.57 | 24.34 | 25.73 | 28.51 | 31.28 | 32.66 |
| 34 | 5.965 | 75 | 13.158 | 2.206 | | | | | 12.00 | 15.42 | 16.28 | 19.09 | 21.89 | 23.29 | 26.07 | 28.85 | 30.24 |
| 32 | 5.614 | 71 | 12.457 | 2.219 | | | | 10.02 | 12.91 | 16.31 | 17.16 | 19.96 | 22.75 | 24.15 | 26.93 | 29.70 | 31.09 |
| 36 | 6.316 | 80 | 14.036 | 2.222 | | | | | 10.88 | 14.36 | 15.22 | 18.05 | 20.86 | 22.27 | 25.06 | 27.84 | 29.23 |
| 63 | 11.053 | 140 | 24.562 | 2.222 | | | | | | | | | | | | | |
| 30 | 5.263 | 67 | 11.755 | 2.233 | | | 9.50 | 10.95 | 13.81 | 17.19 | 18.04 | 20.83 | 23.62 | 25.01 | 27.78 | 30.56 | 31.94 |
| 50 | 8.772 | 112 | 19.650 | 2.240 | | | | | | | | | | 15.28 | 18.20 | 21.07 | 22.49 |
| 75 | 13.158 | 168 | 29.475 | 2.240 | | | | | | | | | | | | | |
| 28 | 4.912 | 63 | 11.053 | 2.250 | | 8.98 | 10.43 | 11.87 | 14.70 | 18.06 | 18.91 | 21.69 | 24.47 | 25.86 | 28.64 | 31.41 | 32.79 |
| 40 | 7.018 | 90 | 15.790 | 2.250 | | | | | | 12.15 | 13.04 | 15.93 | 18.78 | 20.19 | 23.01 | 25.81 | 27.20 |
| 80 | 14.036 | 180 | 31.580 | 2.250 | | | | | | | | | | | | | |
| 33 | 5.790 | 75 | 13.158 | 2.273 | | | | | 12.11 | 15.54 | 16.40 | 19.21 | 22.01 | 23.41 | 26.20 | 28.98 | 30.36 |
| 35 | 6.141 | 80 | 14.036 | 2.286 | | | | | 11.00 | 14.48 | 15.34 | 18.17 | 20.99 | 22.39 | 25.18 | 27.97 | 29.36 |
| 31 | 5.439 | 71 | 12.457 | 2.290 | | | | 10.14 | 13.03 | 16.43 | 17.28 | 20.09 | 22.88 | 24.28 | 27.06 | 29.83 | 31.22 |
| 39 | 6.842 | 90 | 15.790 | 2.308 | | | | | | 12.26 | 13.15 | 16.05 | 18.90 | 20.32 | 23.13 | 25.93 | 27.33 |
| 29 | 5.088 | 67 | 11.755 | 2.310 | | | 9.61 | 11.07 | 13.93 | 17.31 | 18.16 | 20.96 | 23.74 | 25.14 | 27.91 | 30.69 | 32.07 |
| 48 | 8.421 | 112 | 19.650 | 2.333 | | | | | | | | | | 15.51 | 18.43 | 21.30 | 22.73 |
| 60 | 10.527 | 140 | 24.562 | 2.333 | | | | | | | | | | | | | |
| 32 | 5.614 | 75 | 13.158 | 2.344 | | | | | 12.23 | 15.67 | 16.52 | 19.34 | 22.14 | 23.54 | 26.33 | 29.11 | 30.49 |
| 34 | 5.965 | 80 | 14.036 | 2.353 | | | | | 11.11 | 14.59 | 15.46 | 18.29 | 21.11 | 22.51 | 25.31 | 28.10 | 29.48 |
| 71 | 12.457 | 168 | 29.475 | 2.366 | | | | | | | | | | | | | |
| 30 | 5.263 | 71 | 12.457 | 2.367 | | | | 10.25 | 13.15 | 16.56 | 17.40 | 20.21 | 23.01 | 24.40 | 27.18 | 29.96 | 31.35 |
| 38 | 6.667 | 90 | 15.790 | 2.368 | | | | | | 12.38 | 13.27 | 16.16 | 19.02 | 20.44 | 23.25 | 26.06 | 27.45 |
| 28 | 4.912 | 67 | 11.755 | 2.393 | | | 9.73 | 11.19 | 14.05 | 17.44 | 18.28 | 21.08 | 23.87 | 25.26 | 28.04 | 30.81 | 32.20 |
| 75 | 13.158 | 180 | 31.580 | 2.400 | | | | | | | | | | | | | |
| 31 | 5.439 | 75 | 13.158 | 2.419 | | | | | 12.35 | 15.78 | 16.64 | 19.46 | 22.26 | 23.66 | 26.45 | 29.23 | 30.62 |
| 33 | 5.790 | 80 | 14.036 | 2.424 | | | | | 11.22 | 14.71 | 15.57 | 18.42 | 21.23 | 22.64 | 25.43 | 28.22 | 29.61 |
| 37 | 6.492 | 90 | 15.790 | 2.432 | | | | | | 12.49 | 13.38 | 16.28 | 19.14 | 20.56 | 23.38 | 26.18 | 27.58 |
| 29 | 5.088 | 71 | 12.457 | 2.448 | | | | 10.36 | 13.27 | 16.68 | 17.53 | 20.34 | 23.13 | 24.53 | 27.31 | 30.09 | 31.47 |
| 45 | 7.895 | 112 | 19.650 | 2.489 | | | | | | | | | 14.35 | 15.85 | 18.78 | 21.66 | 23.08 |
| 30 | 5.263 | 75 | 13.158 | 2.500 | | | | | 12.46 | 15.90 | 16.76 | 19.58 | 22.39 | 23.79 | 26.58 | 29.36 | 30.75 |
| 32 | 5.614 | 80 | 14.036 | 2.500 | | | | | 11.34 | 14.83 | 15.69 | 18.54 | 21.36 | 22.76 | 25.56 | 28.35 | 29.74 |
| 36 | 6.316 | 90 | 15.790 | 2.500 | | | | | | 12.60 | 13.49 | 16.40 | 19.26 | 20.68 | 23.50 | 26.31 | 27.70 |
| 56 | 9.825 | 140 | 24.562 | 2.500 | | | | | | | | | | | | | |
| 80 | 14.036 | 200 | 35.089 | 2.500 | | | | | | | | | | | | | |
| Length Factor* | | | | | 0.68 | 0.73 | 0.75 | 0.77 | 0.81 | 0.85 | 0.86 | 0.89 | 0.92 | 0.94 | 0.96 | 0.99 | 1.00 |

* This length factor must be used to determine the proper belt width.

## 14mm Pre-Engineered Drive Selection Table

| Center Distance (in) | | | | | | | | | | | | | | | Speed Ratio | Sprocket Combinations | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | DriveR | DriveN |
| 14MPCC-2380 P.L. 93.70 170 Teeth | 14MPCC-2450 P.L. 96.46 175 Teeth | 14MPCC-2530 P.L. 99.21 180 Teeth | 14MPCC-2590 P.L. 101.97 185 Teeth | 14MPCC-2660 P.L. 104.72 190 Teeth | 14MPCC-2800 P.L.110.24 200 Teeth | 14MPCC-3136 P.L. 123.46 224 Teeth | 14MPCC-3304 P.L. 130.08 236 Teeth | 14MPCC-3360 P.L.132.28 240 Teeth | 14MPCC-3500 P.L. 137.79 250 Teeth | 14MPCC-3850 P.L.151.57 275 Teeth | 14MPCC-3920 P.L. 154.33 280 Teeth | 14MPCC-4326 P.L. 170.31 309 Teeth | 14MPCC-4410 P.L.173.62 315 Teeth | | Number of Grooves | Pitch Diameter (inches) |
| 34.08 | 35.47 | 36.85 | 38.23 | 39.61 | 42.37 | 48.99 | 52.31 | 53.41 | 56.16 | 63.06 | 64.44 | 72.44 | 74.09 | 1.875 | 32 | 60 |
| 30.85 | 32.24 | 33.62 | 35.00 | 36.38 | 39.15 | 45.78 | 49.10 | 50.20 | 52.96 | 59.86 | 61.24 | 69.24 | 70.90 | 1.875 | 40 | 75 |
| 27.59 | 28.98 | 30.37 | 31.76 | 33.14 | 35.92 | 42.56 | 45.88 | 46.98 | 49.74 | 56.65 | 58.03 | 66.04 | 67.69 | 1.875 | 48 | 90 |
| 35.62 | 37.00 | 38.38 | 39.76 | 41.14 | 43.90 | 50.52 | 53.83 | 54.93 | 57.69 | 64.59 | 65.97 | 73.96 | 75.62 | 1.893 | 28 | 53 |
| 33.52 | 34.90 | 36.28 | 37.66 | 39.04 | 41.81 | 48.43 | 51.74 | 52.85 | 55.60 | 62.50 | 63.88 | 71.88 | 73.53 | 1.909 | 33 | 63 |
| 32.67 | 34.06 | 35.44 | 36.82 | 38.20 | 40.97 | 47.59 | 50.91 | 52.01 | 54.77 | 61.67 | 63.05 | 71.04 | 72.70 | 1.914 | 35 | 67 |
| 31.83 | 33.21 | 34.59 | 35.98 | 37.36 | 40.13 | 46.75 | 50.07 | 51.17 | 53.93 | 60.83 | 62.21 | 70.21 | 71.87 | 1.919 | 37 | 71 |
| 30.98 | 32.37 | 33.75 | 35.14 | 36.52 | 39.29 | 45.91 | 49.23 | 50.33 | 53.09 | 59.99 | 61.38 | 69.38 | 71.03 | 1.923 | 39 | 75 |
| 35.06 | 36.44 | 37.82 | 39.20 | 40.58 | 43.34 | 49.96 | 53.27 | 54.38 | 57.13 | 64.03 | 65.41 | 73.40 | 75.06 | 1.931 | 29 | 56 |
| 34.22 | 35.60 | 36.98 | 38.36 | 39.74 | 42.50 | 49.12 | 52.44 | 53.54 | 56.30 | 63.19 | 64.58 | 72.57 | 74.23 | 1.935 | 31 | 60 |
| 33.65 | 35.03 | 36.41 | 37.80 | 39.18 | 41.94 | 48.56 | 51.88 | 52.98 | 55.74 | 62.64 | 64.02 | 72.01 | 73.67 | 1.969 | 32 | 63 |
| 32.80 | 34.19 | 35.57 | 36.95 | 38.33 | 41.10 | 47.72 | 51.04 | 52.14 | 54.90 | 61.80 | 63.18 | 71.18 | 72.84 | 1.971 | 34 | 67 |
| 31.96 | 33.34 | 34.72 | 36.11 | 37.49 | 40.26 | 46.89 | 50.20 | 51.30 | 54.06 | 60.96 | 62.35 | 70.34 | 72.00 | 1.972 | 36 | 71 |
| | | 19.59 | 21.03 | 22.46 | 25.32 | 32.08 | 35.45 | 36.56 | 39.35 | 46.31 | 47.71 | 55.75 | 57.42 | 1.972 | 71 | 140 |
| 31.11 | 32.50 | 33.88 | 35.27 | 36.65 | 39.42 | 46.05 | 49.36 | 50.47 | 53.23 | 60.13 | 61.51 | 69.51 | 71.17 | 1.974 | 38 | 75 |
| 35.19 | 36.57 | 37.95 | 39.33 | 40.71 | 43.48 | 50.10 | 53.41 | 54.51 | 57.27 | 64.16 | 65.54 | 73.54 | 75.20 | 2.000 | 28 | 56 |
| 34.35 | 35.73 | 37.11 | 38.49 | 39.87 | 42.64 | 49.26 | 52.57 | 53.67 | 56.43 | 63.33 | 64.71 | 72.71 | 74.36 | 2.000 | 30 | 60 |
| 30.11 | 31.50 | 32.88 | 34.27 | 35.65 | 38.42 | 45.06 | 48.38 | 49.48 | 52.24 | 59.15 | 60.53 | 68.53 | 70.19 | 2.000 | 40 | 80 |
| 27.97 | 29.36 | 30.75 | 32.14 | 33.53 | 36.30 | 42.95 | 46.27 | 47.37 | 50.14 | 57.05 | 58.43 | 66.44 | 68.09 | 2.000 | 45 | 90 |
| 23.18 | 24.59 | 25.99 | 27.39 | 28.79 | 31.59 | 38.26 | 41.60 | 42.71 | 45.48 | 52.40 | 53.79 | 61.81 | 63.47 | 2.000 | 56 | 112 |
| 31.24 | 32.63 | 34.01 | 35.39 | 36.78 | 39.55 | 46.18 | 49.49 | 50.60 | 53.36 | 60.26 | 61.64 | 69.64 | 71.30 | 2.027 | 37 | 75 |
| 32.09 | 33.47 | 34.86 | 36.24 | 37.62 | 40.39 | 47.02 | 50.33 | 51.44 | 54.20 | 61.10 | 62.48 | 70.48 | 72.13 | 2.029 | 35 | 71 |
| 32.94 | 34.32 | 35.70 | 37.09 | 38.46 | 41.23 | 47.86 | 51.17 | 52.28 | 55.03 | 61.93 | 63.31 | 71.31 | 72.97 | 2.030 | 33 | 67 |
| 33.78 | 35.17 | 36.54 | 37.93 | 39.31 | 42.07 | 48.70 | 52.01 | 53.11 | 55.87 | 62.77 | 64.15 | 72.15 | 73.80 | 2.032 | 31 | 63 |
| 30.24 | 31.63 | 33.01 | 34.40 | 35.78 | 38.55 | 45.19 | 48.51 | 49.61 | 52.37 | 59.28 | 60.66 | 68.66 | 70.32 | 2.051 | 39 | 80 |
| 34.48 | 35.86 | 37.24 | 38.63 | 40.00 | 42.77 | 49.39 | 52.71 | 53.81 | 56.57 | 63.46 | 64.84 | 72.84 | 74.50 | 2.069 | 29 | 60 |
| 31.37 | 32.76 | 34.14 | 35.53 | 36.91 | 39.68 | 46.31 | 49.63 | 50.73 | 53.49 | 60.39 | 61.78 | 69.78 | 71.43 | 2.083 | 36 | 75 |
| 32.22 | 33.60 | 34.99 | 36.37 | 37.75 | 40.52 | 47.15 | 50.47 | 51.57 | 54.33 | 61.23 | 62.61 | 70.61 | 72.27 | 2.088 | 34 | 71 |
| | 18.59 | 20.05 | 21.50 | 22.94 | 25.80 | 32.58 | 35.94 | 37.06 | 39.86 | 46.82 | 48.22 | 56.27 | 57.93 | 2.090 | 67 | 140 |
| 28.22 | 29.62 | 31.00 | 32.40 | 33.78 | 36.56 | 43.21 | 46.53 | 47.63 | 50.40 | 57.31 | 58.69 | 66.70 | 68.36 | 2.093 | 43 | 90 |
| 33.07 | 34.45 | 35.83 | 37.22 | 38.60 | 41.36 | 47.99 | 51.31 | 52.41 | 55.17 | 62.07 | 63.45 | 71.45 | 73.10 | 2.094 | 32 | 67 |
| 33.91 | 35.30 | 36.68 | 38.06 | 39.44 | 42.21 | 48.83 | 52.15 | 53.25 | 56.01 | 62.90 | 64.29 | 72.28 | 73.94 | 2.100 | 30 | 63 |
| | | | | | | 26.42 | 29.86 | 31.00 | 33.84 | 40.88 | 42.28 | 50.39 | 52.06 | 2.100 | 80 | 168 |
| 30.37 | 31.76 | 33.14 | 34.53 | 35.91 | 38.68 | 45.32 | 48.64 | 49.74 | 52.51 | 59.41 | 60.79 | 68.80 | 70.45 | 2.105 | 38 | 80 |
| 23.54 | 24.95 | 26.36 | 27.76 | 29.16 | 31.96 | 38.65 | 41.98 | 43.09 | 45.87 | 52.79 | 54.18 | 62.20 | 63.86 | 2.113 | 53 | 112 |
| 34.61 | 35.99 | 37.37 | 38.76 | 40.14 | 42.90 | 49.52 | 52.84 | 53.94 | 56.70 | 63.60 | 64.98 | 72.98 | 74.63 | 2.143 | 28 | 60 |
| 31.50 | 32.89 | 34.27 | 35.65 | 37.04 | 39.81 | 46.44 | 49.76 | 50.86 | 53.62 | 60.53 | 61.91 | 69.91 | 71.57 | 2.143 | 35 | 75 |
| 32.35 | 33.73 | 35.12 | 36.50 | 37.88 | 40.65 | 47.28 | 50.60 | 51.70 | 54.46 | 61.36 | 62.75 | 70.75 | 72.40 | 2.152 | 33 | 71 |
| 33.20 | 34.58 | 35.96 | 37.35 | 38.73 | 41.50 | 48.12 | 51.44 | 52.54 | 55.30 | 62.20 | 63.58 | 71.58 | 73.24 | 2.161 | 31 | 67 |
| 30.49 | 31.88 | 33.27 | 34.66 | 36.04 | 38.81 | 45.45 | 48.77 | 49.87 | 52.64 | 59.54 | 60.93 | 68.93 | 70.59 | 2.162 | 37 | 80 |
| 34.04 | 35.43 | 36.81 | 38.19 | 39.57 | 42.34 | 48.96 | 52.28 | 53.38 | 56.14 | 63.04 | 64.42 | 72.42 | 74.07 | 2.172 | 29 | 63 |
| 31.63 | 33.01 | 34.40 | 35.78 | 37.17 | 39.94 | 46.57 | 49.89 | 50.99 | 53.76 | 60.66 | 62.04 | 70.04 | 71.70 | 2.206 | 34 | 75 |
| 32.48 | 33.86 | 35.25 | 36.63 | 38.01 | 40.78 | 47.41 | 50.73 | 51.83 | 54.59 | 61.50 | 62.88 | 70.88 | 72.54 | 2.219 | 32 | 71 |
| 30.62 | 32.01 | 33.40 | 34.79 | 36.17 | 38.94 | 45.58 | 48.90 | 50.01 | 52.77 | 59.68 | 61.06 | 69.06 | 70.72 | 2.222 | 36 | 80 |
| | 19.05 | 20.51 | 21.97 | 23.41 | 26.27 | 33.07 | 36.44 | 37.56 | 40.36 | 47.33 | 48.72 | 56.78 | 58.45 | 2.222 | 63 | 140 |
| 33.33 | 34.71 | 36.09 | 37.48 | 38.86 | 41.63 | 48.25 | 51.57 | 52.67 | 55.43 | 62.33 | 63.72 | 71.72 | 73.37 | 2.233 | 30 | 67 |
| 23.91 | 25.32 | 26.73 | 28.14 | 29.54 | 32.34 | 39.03 | 42.37 | 43.48 | 46.25 | 53.18 | 54.57 | 62.60 | 64.26 | 2.240 | 50 | 112 |
| | | | | | | 27.00 | 30.46 | 31.60 | 34.44 | 41.50 | 42.90 | 51.02 | 52.69 | 2.240 | 75 | 168 |
| 34.17 | 35.56 | 36.94 | 38.32 | 39.70 | 42.47 | 49.10 | 52.41 | 53.51 | 56.27 | 63.17 | 64.55 | 72.55 | 74.21 | 2.250 | 28 | 63 |
| 28.60 | 30.00 | 31.38 | 32.78 | 34.16 | 36.95 | 43.60 | 46.92 | 48.03 | 50.79 | 57.70 | 59.09 | 67.10 | 68.76 | 2.250 | 40 | 90 |
| | | | | | | 24.30 | 27.82 | 28.98 | 31.85 | 38.97 | 40.38 | 48.53 | 50.22 | 2.250 | 80 | 180 |
| 31.75 | 33.14 | 34.53 | 35.91 | 37.30 | 40.07 | 46.70 | 50.02 | 51.13 | 53.89 | 60.79 | 62.17 | 70.18 | 71.83 | 2.273 | 33 | 75 |
| 30.75 | 32.14 | 33.53 | 34.91 | 36.30 | 39.07 | 45.71 | 49.03 | 50.14 | 52.90 | 59.81 | 61.19 | 69.20 | 70.85 | 2.286 | 35 | 80 |
| 32.61 | 33.99 | 35.38 | 36.76 | 38.14 | 40.91 | 47.54 | 50.86 | 51.97 | 54.73 | 61.63 | 63.01 | 71.01 | 72.67 | 2.290 | 31 | 71 |
| 28.73 | 30.12 | 31.51 | 32.91 | 34.29 | 37.07 | 43.73 | 47.05 | 48.16 | 50.92 | 57.84 | 59.22 | 67.23 | 68.89 | 2.308 | 39 | 90 |
| 33.46 | 34.84 | 36.22 | 37.61 | 38.99 | 41.76 | 48.39 | 51.70 | 52.81 | 55.57 | 62.47 | 63.85 | 71.85 | 73.51 | 2.310 | 29 | 67 |
| 24.15 | 25.56 | 26.97 | 28.38 | 29.78 | 32.59 | 39.28 | 42.62 | 43.73 | 46.51 | 53.44 | 54.83 | 62.86 | 64.52 | 2.333 | 48 | 112 |
| | 19.39 | 20.85 | 22.31 | 23.76 | 26.63 | 33.43 | 36.81 | 37.93 | 40.73 | 47.71 | 49.10 | 57.16 | 58.83 | 2.333 | 60 | 140 |
| 31.88 | 33.27 | 34.66 | 36.04 | 37.43 | 40.20 | 46.83 | 50.15 | 51.26 | 54.02 | 60.92 | 62.31 | 70.31 | 71.97 | 2.344 | 32 | 75 |
| 30.88 | 32.27 | 33.65 | 35.04 | 36.43 | 39.20 | 45.84 | 49.17 | 50.27 | 53.03 | 59.94 | 61.32 | 69.33 | 70.99 | 2.353 | 34 | 80 |
| | | | | | | 27.47 | 30.93 | 32.07 | 34.92 | 41.99 | 43.39 | 51.52 | 53.19 | 2.366 | 71 | 168 |
| 32.73 | 34.12 | 35.51 | 36.89 | 38.27 | 41.05 | 47.68 | 51.00 | 52.10 | 54.86 | 61.76 | 63.15 | 71.15 | 72.80 | 2.367 | 30 | 71 |
| 28.85 | 30.25 | 31.64 | 33.03 | 34.42 | 37.20 | 43.85 | 47.18 | 48.29 | 51.05 | 57.97 | 59.35 | 67.36 | 69.02 | 2.368 | 38 | 90 |
| 33.59 | 34.97 | 36.35 | 37.74 | 39.12 | 41.89 | 48.52 | 51.84 | 52.94 | 55.70 | 62.60 | 63.98 | 71.98 | 73.64 | 2.393 | 28 | 67 |
| | | | | | | 24.87 | 28.40 | 29.56 | 32.44 | 39.57 | 40.99 | 49.15 | 50.84 | 2.400 | 75 | 180 |
| 32.01 | 33.40 | 34.78 | 36.17 | 37.56 | 40.33 | 46.97 | 50.29 | 51.39 | 54.15 | 61.06 | 62.44 | 70.44 | 72.10 | 2.419 | 31 | 75 |
| 31.00 | 32.40 | 33.78 | 35.17 | 36.56 | 39.33 | 45.97 | 49.30 | 50.40 | 53.16 | 60.07 | 61.46 | 69.46 | 71.12 | 2.424 | 33 | 80 |
| 28.98 | 30.37 | 31.76 | 33.16 | 34.55 | 37.33 | 43.98 | 47.31 | 48.42 | 51.18 | 58.10 | 59.48 | 67.49 | 69.15 | 2.432 | 37 | 90 |
| 32.86 | 34.25 | 35.63 | 37.02 | 38.40 | 41.18 | 47.81 | 51.13 | 52.23 | 54.99 | 61.90 | 63.28 | 71.28 | 72.94 | 2.448 | 29 | 71 |
| 24.51 | 25.93 | 27.34 | 28.75 | 30.15 | 32.96 | 39.66 | 43.00 | 44.11 | 46.89 | 53.83 | 55.22 | 63.25 | 64.91 | 2.489 | 45 | 112 |
| 32.14 | 33.53 | 34.91 | 36.30 | 37.69 | 40.46 | 47.10 | 50.42 | 51.52 | 54.28 | 61.19 | 62.57 | 70.58 | 72.23 | 2.500 | 30 | 75 |
| 31.13 | 32.52 | 33.91 | 35.30 | 36.68 | 39.46 | 46.10 | 49.43 | 50.53 | 53.30 | 60.20 | 61.59 | 69.59 | 71.25 | 2.500 | 32 | 80 |
| 29.10 | 30.50 | 31.89 | 33.29 | 34.67 | 37.46 | 44.11 | 47.44 | 48.55 | 51.31 | 58.23 | 59.61 | 67.63 | 69.29 | 2.500 | 36 | 90 |
| 18.34 | 19.84 | 21.31 | 22.77 | 24.22 | 27.10 | 33.92 | 37.30 | 38.42 | 41.23 | 48.21 | 49.61 | 57.68 | 59.34 | 2.500 | 56 | 140 |
| | | | | | | | | 25.34 | 28.33 | 35.64 | 37.08 | 45.34 | 47.04 | 2.500 | 80 | 200 |
| 1.01 | 1.02 | 1.03 | 1.04 | 1.05 | 1.07 | 1.12 | 1.14 | 1.14 | 1.16 | 1.19 | 1.20 | 1.24 | 1.25 | Length Factor* | | |

* This length factor must be used to determine the proper belt width.

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

# QT Power Chain® II Carbon Drive Selection

## 14mm Pre-Engineered Drive Selection Table

| Sprocket Combinations | | | | | Center Distance (in) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DriveR | | DriveN | | | | | | | | | | | | | | | |
| Number of Grooves | Pitch Diameter (inches) | Number of Grooves | Pitch Diameter (inches) | Speed Ratio | 14MPCC-994 P.L. 39.13 71 Teeth | 14MPCC-1120 P.L. 44.09 80 Teeth | 14MPCC-1190 P.L. 46.85 85 Teeth | 14MPCC-1260 P.L. 49.61 90 Teeth | 14MPCC-1400 P.L. 55.12 100 Teeth | 14MPCC-1568 P.L.61.73 112 Teeth | 14MPCC-1610 P.L. 63.39 115 Teeth | 14MPCC-1750 P.L. 68.90 125 Teeth | 14MPCC-1890 P.L.74.41 135 Teeth | 14MPCC-1960 P.L. 77.17 140 Teeth | 14MPCC-2100 P.L.82.68 150 Teeth | 14MPCC-2240 P.L. 88.19 160 Teeth | 14MPCC-2310 P.L. 90.94 165 Teeth |
| 67 | 11.755 | 168 | 29.475 | 2.507 | | | | | | | | | | | | | |
| 71 | 12.457 | 180 | 31.580 | 2.535 | | | | | | | | | | | | | |
| 28 | 4.912 | 71 | 12.457 | 2.536 | | | | 10.48 | 13.38 | 16.80 | 17.65 | 20.46 | 23.26 | 24.65 | 27.44 | 30.22 | 31.60 |
| 35 | 6.141 | 90 | 15.790 | 2.571 | | | | | | 12.71 | 13.61 | 16.52 | 19.38 | 20.80 | 23.62 | 26.43 | 27.83 |
| 31 | 5.439 | 80 | 14.036 | 2.581 | | | | | 11.45 | 14.95 | 15.81 | 18.66 | 21.48 | 22.88 | 25.68 | 28.47 | 29.86 |
| 29 | 5.088 | 75 | 13.158 | 2.586 | | | | | 12.58 | 16.02 | 16.88 | 19.71 | 22.51 | 23.91 | 26.70 | 29.49 | 30.88 |
| 43 | 7.544 | 112 | 19.650 | 2.605 | | | | | | | | | 14.57 | 16.07 | 19.01 | 21.89 | 23.32 |
| 53 | 9.299 | 140 | 24.562 | 2.642 | | | | | | | | | | | | | |
| 34 | 5.965 | 90 | 15.790 | 2.647 | | | | | | 12.83 | 13.72 | 16.63 | 19.50 | 20.92 | 23.74 | 26.55 | 27.95 |
| 30 | 5.263 | 80 | 14.036 | 2.667 | | | | | 11.56 | 15.06 | 15.93 | 18.78 | 21.60 | 23.01 | 25.81 | 28.60 | 29.99 |
| 63 | 11.053 | 168 | 29.475 | 2.667 | | | | | | | | | | | | | |
| 75 | 13.158 | 200 | 35.089 | 2.667 | | | | | | | | | | | | | |
| 28 | 4.912 | 75 | 13.158 | 2.679 | | | | | 12.69 | 16.14 | 17.00 | 19.83 | 22.64 | 24.04 | 26.83 | 29.62 | 31.00 |
| 67 | 11.755 | 180 | 31.580 | 2.687 | | | | | | | | | | | | | |
| 33 | 5.790 | 90 | 15.790 | 2.727 | | | | | | 12.94 | 13.83 | 16.75 | 19.62 | 21.04 | 23.87 | 26.68 | 28.07 |
| 29 | 5.088 | 80 | 14.036 | 2.759 | | | | | 11.67 | 15.18 | 16.05 | 18.90 | 21.72 | 23.13 | 25.93 | 28.73 | 30.12 |
| 40 | 7.018 | 112 | 19.650 | 2.800 | | | | | | | | | 14.90 | 16.41 | 19.36 | 22.25 | 23.68 |
| 50 | 8.772 | 140 | 24.562 | 2.800 | | | | | | | | | | | | | 17.47 |
| 60 | 10.527 | 168 | 29.475 | 2.800 | | | | | | | | | | | | | |
| 80 | 14.036 | 224 | 39.300 | 2.800 | | | | | | | | | | | | | |
| 32 | 5.614 | 90 | 15.790 | 2.813 | | | | | | 13.05 | 13.95 | 16.87 | 19.73 | 21.16 | 23.99 | 26.80 | 28.20 |
| 71 | 12.457 | 200 | 35.089 | 2.817 | | | | | | | | | | | | | |
| 28 | 4.912 | 80 | 14.036 | 2.857 | | | | | 11.78 | 15.30 | 16.17 | 19.02 | 21.85 | 23.25 | 26.06 | 28.85 | 30.24 |
| 63 | 11.053 | 180 | 31.580 | 2.857 | | | | | | | | | | | | | |
| 39 | 6.842 | 112 | 19.650 | 2.872 | | | | | | | | | 15.01 | 16.52 | 19.47 | 22.36 | 23.80 |
| 31 | 5.439 | 90 | 15.790 | 2.903 | | | | | | 13.16 | 14.06 | 16.98 | 19.85 | 21.28 | 24.11 | 26.92 | 28.32 |
| 48 | 8.421 | 140 | 24.562 | 2.917 | | | | | | | | | | | | | 17.69 |
| 38 | 6.667 | 112 | 19.650 | 2.947 | | | | | | | | | 15.12 | 16.63 | 19.58 | 22.48 | 23.91 |
| 67 | 11.755 | 200 | 35.089 | 2.985 | | | | | | | | | | | | | |
| 75 | 13.158 | 224 | 39.300 | 2.987 | | | | | | | | | | | | | |
| 30 | 5.263 | 90 | 15.790 | 3.000 | | | | | | 13.27 | 14.17 | 17.10 | 19.97 | 21.40 | 24.23 | 27.05 | 28.45 |
| 56 | 9.825 | 168 | 29.475 | 3.000 | | | | | | | | | | | | | |
| 60 | 10.527 | 180 | 31.580 | 3.000 | | | | | | | | | | | | | |
| 37 | 6.492 | 112 | 19.650 | 3.027 | | | | | | | | | 15.23 | 16.74 | 19.70 | 22.60 | 24.03 |
| 29 | 5.088 | 90 | 15.790 | 3.103 | | | | | | 13.38 | 14.28 | 17.21 | 20.09 | 21.52 | 24.35 | 27.17 | 28.57 |
| 36 | 6.316 | 112 | 19.650 | 3.111 | | | | | | | | | 15.34 | 16.85 | 19.81 | 22.72 | 24.15 |
| 45 | 7.895 | 140 | 24.562 | 3.111 | | | | | | | | | | | | | 18.01 |
| 71 | 12.457 | 224 | 39.300 | 3.155 | | | | | | | | | | | | | |
| 53 | 9.299 | 168 | 29.475 | 3.170 | | | | | | | | | | | | | |
| 63 | 11.053 | 200 | 35.089 | 3.175 | | | | | | | | | | | | | |
| 35 | 6.141 | 112 | 19.650 | 3.200 | | | | | | | | | 15.45 | 16.97 | 19.93 | 22.83 | 24.27 |
| 28 | 4.912 | 90 | 15.790 | 3.214 | | | | | | 13.49 | 14.40 | 17.33 | 20.21 | 21.64 | 24.47 | 27.29 | 28.69 |
| 56 | 9.825 | 180 | 31.580 | 3.214 | | | | | | | | | | | | | |
| 43 | 7.544 | 140 | 24.562 | 3.256 | | | | | | | | | | | | 16.65 | 18.23 |
| 34 | 5.965 | 112 | 19.650 | 3.294 | | | | | | | | | 15.56 | 17.08 | 20.04 | 22.95 | 24.39 |
| 60 | 10.527 | 200 | 35.089 | 3.333 | | | | | | | | | | | | | |
| 67 | 11.755 | 224 | 39.300 | 3.343 | | | | | | | | | | | | | |
| 50 | 8.772 | 168 | 29.475 | 3.360 | | | | | | | | | | | | | |
| 33 | 5.790 | 112 | 19.650 | 3.394 | | | | | | | | | 15.66 | 17.19 | 20.16 | 23.07 | 24.50 |
| 53 | 9.299 | 180 | 31.580 | 3.396 | | | | | | | | | | | | | |
| 32 | 5.614 | 112 | 19.650 | 3.500 | | | | | | | | | 15.77 | 17.30 | 20.27 | 23.18 | 24.62 |
| 40 | 7.018 | 140 | 24.562 | 3.500 | | | | | | | | | | | | 16.97 | 18.55 |
| 48 | 8.421 | 168 | 29.475 | 3.500 | | | | | | | | | | | | | |
| 63 | 11.053 | 224 | 39.300 | 3.556 | | | | | | | | | | | | | |
| 56 | 9.825 | 200 | 35.089 | 3.571 | | | | | | | | | | | | | |
| 39 | 6.842 | 140 | 24.562 | 3.590 | | | | | | | | | | | | 17.08 | 18.66 |
| 50 | 8.772 | 180 | 31.580 | 3.600 | | | | | | | | | | | | | |
| 31 | 5.439 | 112 | 19.650 | 3.613 | | | | | | | | | 15.88 | 17.41 | 20.38 | 23.30 | 24.74 |
| 38 | 6.667 | 140 | 24.562 | 3.684 | | | | | | | | | | | | 17.18 | 18.77 |
| 30 | 5.263 | 112 | 19.650 | 3.733 | | | | | | | | | 15.99 | 17.52 | 20.50 | 23.41 | 24.85 |
| 45 | 7.895 | 168 | 29.475 | 3.733 | | | | | | | | | | | | | |
| 60 | 10.527 | 224 | 39.300 | 3.733 | | | | | | | | | | | | | |
| 48 | 8.421 | 180 | 31.580 | 3.750 | | | | | | | | | | | | | |
| 53 | 9.299 | 200 | 35.089 | 3.774 | | | | | | | | | | | | | |
| 37 | 6.492 | 140 | 24.562 | 3.784 | | | | | | | | | | | | 17.29 | 18.87 |
| 29 | 5.088 | 112 | 19.650 | 3.862 | | | | | | | | 12.91 | 16.10 | 17.63 | 20.61 | 23.53 | 24.97 |
| 36 | 6.316 | 140 | 24.562 | 3.889 | | | | | | | | | | | | 17.39 | 18.98 |
| 43 | 7.544 | 168 | 29.475 | 3.907 | | | | | | | | | | | | | |
| 28 | 4.912 | 112 | 19.650 | 4.000 | | | | | | | | 13.01 | 16.21 | 17.74 | 20.72 | 23.65 | 25.09 |
| 35 | 6.141 | 140 | 24.562 | 4.000 | | | | | | | | | | | | 17.50 | 19.09 |
| 45 | 7.895 | 180 | 31.580 | 4.000 | | | | | | | | | | | | | |
| 50 | 8.772 | 200 | 35.089 | 4.000 | | | | | | | | | | | | | |
| 56 | 9.825 | 224 | 39.300 | 4.000 | | | | | | | | | | | | | |
| Length Factor* | | | | | 0.68 | 0.73 | 0.75 | 0.77 | 0.81 | 0.85 | 0.86 | 0.89 | 0.92 | 0.94 | 0.96 | 0.99 | 1.00 |

* This length factor must be used to determine the proper belt width.

## 14mm Pre-Engineered Drive Selection Table

| Center Distance (in) | | | | | | | | | | | | | | | Speed Ratio | Sprocket Combinations | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | DriveR | DriveN |
| 14MPCC-2380 P.L. 93.70 170 Teeth | 14MPCC-2450 P.L. 96.46 175 Teeth | 14MPCC-2530 P.L. 99.21 180 Teeth | 14MPCC-2590 P.L. 101.97 185 Teeth | 14MPCC-2660 P.L. 104.72 190 Teeth | 14MPCC-2800 P.L.110.24 200 Teeth | 14MPCC-3136 P.L. 123.46 224 Teeth | 14MPCC-3304 P.L. 130.08 236 Teeth | 14MPCC-3360 P.L.132.28 240 Teeth | 14MPCC-3500 P.L. 137.79 250 Teeth | 14MPCC-3850 P.L.151.57 275 Teeth | 14MPCC-3920 P.L. 154.33 280 Teeth | 14MPCC-4326 P.L. 170.31 309 Teeth | 14MPCC-4410 P.L.173.62 315 Teeth | | | Number of Grooves | Pitch Diameter (inches) |
| | | | | | | 27.93 | 31.40 | 32.54 | 35.40 | 42.48 | 43.89 | 52.02 | 53.70 | 2.507 | 67 | 168 |
| | | | | | | 25.32 | 28.85 | 30.02 | 32.91 | 40.05 | 41.47 | 49.64 | 51.33 | 2.535 | 71 | 180 |
| 32.99 | 34.38 | 35.76 | 37.15 | 38.53 | 41.31 | 47.94 | 51.26 | 52.36 | 55.12 | 62.03 | 63.41 | 71.41 | 73.07 | 2.536 | 28 | 71 |
| 29.23 | 30.62 | 32.02 | 33.41 | 34.80 | 37.59 | 44.24 | 47.57 | 48.68 | 51.44 | 58.36 | 59.75 | 67.76 | 69.42 | 2.571 | 35 | 90 |
| 31.26 | 32.65 | 34.04 | 35.43 | 36.81 | 39.59 | 46.23 | 49.56 | 50.66 | 53.43 | 60.34 | 61.72 | 69.73 | 71.38 | 2.581 | 31 | 80 |
| 32.27 | 33.66 | 35.04 | 36.43 | 37.81 | 40.59 | 47.23 | 50.55 | 51.65 | 54.41 | 61.32 | 62.70 | 70.71 | 72.37 | 2.586 | 29 | 75 |
| 24.75 | 26.17 | 27.58 | 28.99 | 30.40 | 33.21 | 39.91 | 43.26 | 44.37 | 47.15 | 54.09 | 55.48 | 63.51 | 65.17 | 2.605 | 43 | 112 |
| 18.67 | 20.17 | 21.65 | 23.12 | 24.57 | 27.46 | 34.28 | 37.67 | 38.79 | 41.60 | 48.59 | 49.99 | 58.06 | 59.73 | 2.642 | 53 | 140 |
| 29.35 | 30.75 | 32.14 | 33.54 | 34.93 | 37.71 | 44.37 | 47.70 | 48.81 | 51.57 | 58.49 | 59.88 | 67.89 | 69.55 | 2.647 | 34 | 90 |
| 31.39 | 32.78 | 34.17 | 35.56 | 36.94 | 39.72 | 46.36 | 49.69 | 50.79 | 53.56 | 60.47 | 61.85 | 69.86 | 71.52 | 2.667 | 30 | 80 |
| | | | | | 21.26 | 28.39 | 31.87 | 33.02 | 35.88 | 42.96 | 44.37 | 52.51 | 54.19 | 2.667 | 63 | 168 |
| | | | | | | | 24.67 | 25.89 | 28.90 | 36.22 | 37.66 | 45.95 | 47.65 | 2.667 | 75 | 200 |
| 32.40 | 33.79 | 35.17 | 36.56 | 37.94 | 40.72 | 47.36 | 50.68 | 51.78 | 54.55 | 61.45 | 62.84 | 70.84 | 72.50 | 2.679 | 28 | 75 |
| | | | | | | 25.76 | 29.31 | 30.48 | 33.38 | 40.53 | 41.95 | 50.14 | 51.82 | 2.687 | 67 | 180 |
| 29.48 | 30.88 | 32.27 | 33.66 | 35.05 | 37.84 | 44.50 | 47.83 | 48.94 | 51.70 | 58.62 | 60.01 | 68.02 | 69.68 | 2.727 | 33 | 90 |
| 31.51 | 32.91 | 34.29 | 35.68 | 37.07 | 39.85 | 46.49 | 49.82 | 50.92 | 53.69 | 60.60 | 61.98 | 69.99 | 71.65 | 2.759 | 29 | 80 |
| 25.11 | 26.53 | 27.94 | 29.36 | 30.76 | 33.58 | 40.29 | 43.64 | 44.75 | 47.53 | 54.47 | 55.86 | 63.90 | 65.56 | 2.800 | 40 | 112 |
| 19.00 | 20.51 | 21.99 | 23.46 | 24.92 | 27.81 | 34.65 | 38.04 | 39.16 | 41.97 | 48.97 | 50.36 | 58.44 | 60.11 | 2.800 | 50 | 140 |
| | | | | | 21.59 | 28.74 | 32.22 | 33.37 | 36.23 | 43.33 | 44.74 | 52.89 | 54.57 | 2.800 | 60 | 168 |
| | | | | | | | | | | 31.31 | 32.81 | 41.32 | 43.05 | 2.800 | 80 | 224 |
| 29.60 | 31.00 | 32.39 | 33.79 | 35.18 | 37.97 | 44.63 | 47.96 | 49.07 | 51.83 | 58.75 | 60.14 | 68.15 | 69.81 | 2.813 | 32 | 90 |
| | | | | | | | 25.10 | 26.33 | 29.34 | 36.68 | 38.13 | 46.43 | 48.13 | 2.817 | 71 | 200 |
| 31.64 | 33.03 | 34.42 | 35.81 | 37.20 | 39.98 | 46.62 | 49.95 | 51.05 | 53.82 | 60.73 | 62.12 | 70.12 | 71.78 | 2.857 | 28 | 80 |
| | | | | | | 26.21 | 29.77 | 30.94 | 33.84 | 41.01 | 42.43 | 50.63 | 52.32 | 2.857 | 63 | 180 |
| 25.23 | 26.65 | 28.06 | 29.48 | 30.89 | 33.70 | 40.41 | 43.76 | 44.88 | 47.66 | 54.60 | 55.99 | 64.03 | 65.69 | 2.872 | 39 | 112 |
| 29.73 | 31.13 | 32.52 | 33.92 | 35.31 | 38.09 | 44.76 | 48.09 | 49.19 | 51.96 | 58.88 | 60.27 | 68.29 | 69.95 | 2.903 | 31 | 90 |
| 19.22 | 20.73 | 22.22 | 23.69 | 25.15 | 28.05 | 34.89 | 38.28 | 39.41 | 42.22 | 49.22 | 50.62 | 58.69 | 60.36 | 2.917 | 48 | 140 |
| 25.34 | 26.77 | 28.18 | 29.60 | 31.01 | 33.83 | 40.54 | 43.89 | 45.00 | 47.78 | 54.73 | 56.12 | 64.16 | 65.82 | 2.947 | 38 | 112 |
| | | | | | | | 25.53 | 26.76 | 29.79 | 37.15 | 38.60 | 46.91 | 48.61 | 2.985 | 67 | 200 |
| | | | | | | | | | | 31.86 | 33.37 | 41.90 | 43.64 | 2.987 | 75 | 224 |
| 29.85 | 31.25 | 32.64 | 34.04 | 35.43 | 38.22 | 44.89 | 48.22 | 49.32 | 52.09 | 59.02 | 60.40 | 68.42 | 70.08 | 3.000 | 30 | 90 |
| | | | | | 22.02 | 29.19 | 32.69 | 33.84 | 36.71 | 43.81 | 45.23 | 53.38 | 55.06 | 3.000 | 56 | 168 |
| | | | | | | 26.54 | 30.11 | 31.28 | 34.19 | 41.37 | 42.79 | 50.99 | 52.68 | 3.000 | 60 | 180 |
| 25.46 | 26.89 | 28.31 | 29.72 | 31.13 | 33.95 | 40.66 | 44.02 | 45.13 | 47.91 | 54.86 | 56.25 | 64.29 | 65.95 | 3.027 | 37 | 112 |
| 29.97 | 31.38 | 32.77 | 34.17 | 35.56 | 38.35 | 45.01 | 48.35 | 49.45 | 52.22 | 59.15 | 60.53 | 68.55 | 70.21 | 3.103 | 29 | 90 |
| 25.58 | 27.01 | 28.43 | 29.84 | 31.25 | 34.07 | 40.79 | 44.14 | 45.25 | 48.04 | 54.99 | 56.38 | 64.42 | 66.08 | 3.111 | 36 | 112 |
| 19.55 | 21.07 | 22.56 | 24.03 | 25.49 | 28.40 | 35.25 | 38.65 | 39.77 | 42.59 | 49.59 | 50.99 | 59.07 | 60.75 | 3.111 | 45 | 140 |
| | | | | | | | | | | 32.30 | 33.81 | 42.36 | 44.10 | 3.155 | 71 | 224 |
| | | | | | 22.35 | 29.54 | 33.03 | 34.19 | 37.06 | 44.18 | 45.59 | 53.75 | 55.44 | 3.170 | 53 | 168 |
| | | | | | | | 25.97 | 27.20 | 30.23 | 37.61 | 39.06 | 47.38 | 49.09 | 3.175 | 63 | 200 |
| 25.70 | 27.13 | 28.55 | 29.96 | 31.37 | 34.19 | 40.91 | 44.27 | 45.38 | 48.16 | 55.11 | 56.50 | 64.55 | 66.21 | 3.200 | 35 | 112 |
| 30.10 | 31.50 | 32.90 | 34.29 | 35.69 | 38.48 | 45.14 | 48.48 | 49.58 | 52.35 | 59.28 | 60.66 | 68.68 | 70.34 | 3.214 | 28 | 90 |
| | | | | | | 26.99 | 30.56 | 31.74 | 34.65 | 41.84 | 43.27 | 51.48 | 53.17 | 3.214 | 56 | 180 |
| 19.77 | 21.29 | 22.78 | 24.26 | 25.72 | 28.63 | 35.49 | 38.89 | 40.02 | 42.83 | 49.84 | 51.24 | 59.33 | 61.00 | 3.256 | 43 | 140 |
| 25.82 | 27.25 | 28.67 | 30.09 | 31.50 | 34.32 | 41.04 | 44.39 | 45.51 | 48.29 | 55.24 | 56.63 | 64.67 | 66.34 | 3.294 | 34 | 112 |
| | | | | | | | 26.29 | 27.53 | 30.57 | 37.95 | 39.41 | 47.74 | 49.45 | 3.333 | 60 | 200 |
| | | | | | | | | | | 32.74 | 34.26 | 42.82 | 44.57 | 3.343 | 67 | 224 |
| | | | | | 22.67 | 29.88 | 33.38 | 34.54 | 37.41 | 44.54 | 45.96 | 54.12 | 55.81 | 3.360 | 50 | 168 |
| 25.94 | 27.37 | 28.79 | 30.21 | 31.62 | 34.44 | 41.16 | 44.52 | 45.63 | 48.42 | 55.37 | 56.76 | 64.80 | 66.47 | 3.394 | 33 | 112 |
| | | | | | | 27.32 | 30.90 | 32.08 | 35.00 | 42.20 | 43.63 | 51.85 | 53.54 | 3.396 | 53 | 180 |
| 26.06 | 27.49 | 28.91 | 30.33 | 31.74 | 34.56 | 41.29 | 44.64 | 45.76 | 48.54 | 55.50 | 56.89 | 64.93 | 66.60 | 3.500 | 32 | 112 |
| 20.10 | 21.62 | 23.12 | 24.60 | 26.07 | 28.98 | 35.85 | 39.25 | 40.38 | 43.20 | 50.21 | 51.61 | 59.71 | 61.38 | 3.500 | 40 | 140 |
| | | | | 19.71 | 22.89 | 30.11 | 33.61 | 34.77 | 37.65 | 44.78 | 46.20 | 54.37 | 56.06 | 3.500 | 48 | 168 |
| | | | | | | | | | | 33.18 | 34.70 | 43.28 | 45.03 | 3.556 | 63 | 224 |
| | | | | | | 22.87 | 26.72 | 27.96 | 31.01 | 38.41 | 39.87 | 48.22 | 49.93 | 3.571 | 56 | 200 |
| 20.21 | 21.73 | 23.23 | 24.71 | 26.18 | 29.10 | 35.97 | 39.37 | 40.50 | 43.32 | 50.34 | 51.74 | 59.83 | 61.51 | 3.590 | 39 | 140 |
| | | | | | | 27.65 | 31.24 | 32.42 | 35.35 | 42.56 | 43.99 | 52.21 | 53.91 | 3.600 | 50 | 180 |
| 26.17 | 27.61 | 29.03 | 30.45 | 31.86 | 34.68 | 41.41 | 44.77 | 45.88 | 48.67 | 55.63 | 57.02 | 65.06 | 66.73 | 3.613 | 31 | 112 |
| 20.32 | 21.84 | 23.34 | 24.83 | 26.30 | 29.21 | 36.09 | 39.49 | 40.62 | 43.44 | 50.46 | 51.86 | 59.96 | 61.63 | 3.684 | 38 | 140 |
| 26.29 | 27.72 | 29.15 | 30.57 | 31.98 | 34.81 | 41.54 | 44.90 | 46.01 | 48.80 | 55.75 | 57.15 | 65.19 | 66.86 | 3.733 | 30 | 112 |
| | | | | 20.03 | 23.21 | 30.45 | 33.96 | 35.12 | 38.00 | 45.14 | 46.56 | 54.74 | 56.42 | 3.733 | 45 | 168 |
| | | | | | | | | | 25.60 | 33.51 | 35.03 | 43.63 | 45.38 | 3.733 | 60 | 224 |
| | | | | | | 27.87 | 31.47 | 32.65 | 35.58 | 42.79 | 44.22 | 52.45 | 54.15 | 3.750 | 48 | 180 |
| | | | | | | 23.18 | 27.04 | 28.28 | 31.34 | 38.76 | 40.22 | 48.57 | 50.29 | 3.774 | 53 | 200 |
| 20.43 | 21.95 | 23.45 | 24.94 | 26.41 | 29.33 | 36.21 | 39.62 | 40.74 | 43.56 | 50.59 | 51.99 | 60.08 | 61.76 | 3.784 | 37 | 140 |
| 26.41 | 27.84 | 29.27 | 30.69 | 32.10 | 34.93 | 41.66 | 45.02 | 46.14 | 48.92 | 55.88 | 57.27 | 65.32 | 66.98 | 3.862 | 29 | 112 |
| 20.54 | 22.06 | 23.56 | 25.05 | 26.52 | 29.44 | 36.33 | 39.74 | 40.87 | 43.69 | 50.71 | 52.11 | 60.21 | 61.88 | 3.889 | 36 | 140 |
| | | | | 20.23 | 23.43 | 30.67 | 34.19 | 35.35 | 38.24 | 45.38 | 46.80 | 54.98 | 56.67 | 3.907 | 43 | 168 |
| 26.53 | 27.96 | 29.39 | 30.81 | 32.22 | 35.05 | 41.79 | 45.15 | 46.26 | 49.05 | 56.01 | 57.40 | 65.45 | 67.11 | 4.000 | 28 | 112 |
| 20.65 | 22.17 | 23.68 | 25.17 | 26.64 | 29.56 | 36.45 | 39.86 | 40.99 | 43.81 | 50.83 | 52.24 | 60.34 | 62.01 | 4.000 | 35 | 140 |
| | | | | | 20.61 | 28.20 | 31.81 | 32.99 | 35.92 | 43.15 | 44.58 | 52.82 | 54.51 | 4.000 | 45 | 180 |
| | | | | | | 23.49 | 27.36 | 28.61 | 31.67 | 39.10 | 40.56 | 48.93 | 50.64 | 4.000 | 50 | 200 |
| | | | | | | | | | 26.01 | 33.95 | 35.47 | 44.09 | 45.84 | 4.000 | 56 | 224 |
| 1.01 | 1.02 | 1.03 | 1.04 | 1.05 | 1.07 | 1.12 | 1.14 | 1.14 | 1.16 | 1.19 | 1.20 | 1.24 | 1.25 | Length Factor* | | |

* This length factor must be used to determine the proper belt width.

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

# QT Power Chain® II Carbon Drive Selection

## 14mm Pre-Engineered Drive Selection Table

| Sprocket Combinations | | | | Speed Ratio | Center Distance (in) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DriveR | | DriveN | | | 14MPCC-994 P.L. 39.13 71 Teeth | 14MPCC-1120 P.L. 44.09 80 Teeth | 14MPCC-1190 P.L. 46.85 85 Teeth | 14MPCC-1260 P.L. 49.61 90 Teeth | 14MPCC-1400 P.L. 55.12 100 Teeth | 14MPCC-1568 P.L.61.73 112 Teeth | 14MPCC-1610 P.L. 63.39 115 Teeth | 14MPCC-1750 P.L. 68.90 125 Teeth | 14MPCC-1890 P.L.74.41 135 Teeth | 14MPCC-1960 P.L. 77.17 140 Teeth | 14MPCC-2100 P.L.82.68 150 Teeth | 14MPCC-2240 P.L. 88.19 160 Teeth | 14MPCC-2310 P.L. 90.94 165 Teeth |
| Number of Grooves | Pitch Diameter (inches) | Number of Grooves | Pitch Diameter (inches) | | | | | | | | | | | | | | |
| 34 | 5.965 | 140 | 24.562 | 4.118 | | | | | | | | | | | | 17.60 | 19.19 |
| 48 | 8.421 | 200 | 35.089 | 4.167 | | | | | | | | | | | | | |
| 43 | 7.544 | 180 | 31.580 | 4.186 | | | | | | | | | | | | | |
| 40 | 7.018 | 168 | 29.475 | 4.200 | | | | | | | | | | | | | |
| 53 | 9.299 | 224 | 39.300 | 4.226 | | | | | | | | | | | | | |
| 33 | 5.790 | 140 | 24.562 | 4.242 | | | | | | | | | | | | 17.70 | 19.30 |
| 39 | 6.842 | 168 | 29.475 | 4.308 | | | | | | | | | | | | | |
| 32 | 5.614 | 140 | 24.562 | 4.375 | | | | | | | | | | | | 17.81 | 19.41 |
| 38 | 6.667 | 168 | 29.475 | 4.421 | | | | | | | | | | | | | |
| 45 | 7.895 | 200 | 35.089 | 4.444 | | | | | | | | | | | | | |
| 50 | 8.772 | 224 | 39.300 | 4.480 | | | | | | | | | | | | | |
| 40 | 7.018 | 180 | 31.580 | 4.500 | | | | | | | | | | | | | |
| 31 | 5.439 | 140 | 24.562 | 4.516 | | | | | | | | | | | | 17.91 | 19.51 |
| 37 | 6.492 | 168 | 29.475 | 4.541 | | | | | | | | | | | | | |
| 39 | 6.842 | 180 | 31.580 | 4.615 | | | | | | | | | | | | | |
| 43 | 7.544 | 200 | 35.089 | 4.651 | | | | | | | | | | | | | |
| 30 | 5.263 | 140 | 24.562 | 4.667 | | | | | | | | | | | | 18.02 | 19.62 |
| 36 | 6.316 | 168 | 29.475 | 4.667 | | | | | | | | | | | | | |
| 48 | 8.421 | 224 | 39.300 | 4.667 | | | | | | | | | | | | | |
| 38 | 6.667 | 180 | 31.580 | 4.737 | | | | | | | | | | | | | |
| 35 | 6.141 | 168 | 29.475 | 4.800 | | | | | | | | | | | | | |
| 29 | 5.088 | 140 | 24.562 | 4.828 | | | | | | | | | | | | 18.12 | 19.73 |
| 37 | 6.492 | 180 | 31.580 | 4.865 | | | | | | | | | | | | | |
| 34 | 5.965 | 168 | 29.475 | 4.941 | | | | | | | | | | | | | |
| 45 | 7.895 | 224 | 39.300 | 4.978 | | | | | | | | | | | | | |
| 28 | 4.912 | 140 | 24.562 | 5.000 | | | | | | | | | | | | 18.23 | 19.83 |
| 36 | 6.316 | 180 | 31.580 | 5.000 | | | | | | | | | | | | | |
| 40 | 7.018 | 200 | 35.089 | 5.000 | | | | | | | | | | | | | |
| 33 | 5.790 | 168 | 29.475 | 5.091 | | | | | | | | | | | | | |
| 39 | 6.842 | 200 | 35.089 | 5.128 | | | | | | | | | | | | | |
| 35 | 6.141 | 180 | 31.580 | 5.143 | | | | | | | | | | | | | |
| 43 | 7.544 | 224 | 39.300 | 5.209 | | | | | | | | | | | | | |
| 32 | 5.614 | 168 | 29.475 | 5.250 | | | | | | | | | | | | | |
| 38 | 6.667 | 200 | 35.089 | 5.263 | | | | | | | | | | | | | |
| 34 | 5.965 | 180 | 31.580 | 5.294 | | | | | | | | | | | | | |
| 37 | 6.492 | 200 | 35.089 | 5.405 | | | | | | | | | | | | | |
| 31 | 5.439 | 168 | 29.475 | 5.419 | | | | | | | | | | | | | |
| 33 | 5.790 | 180 | 31.580 | 5.455 | | | | | | | | | | | | | |
| 36 | 6.316 | 200 | 35.089 | 5.556 | | | | | | | | | | | | | |
| 30 | 5.263 | 168 | 29.475 | 5.600 | | | | | | | | | | | | | |
| 40 | 7.018 | 224 | 39.300 | 5.600 | | | | | | | | | | | | | |
| 32 | 5.614 | 180 | 31.580 | 5.625 | | | | | | | | | | | | | |
| 35 | 6.141 | 200 | 35.089 | 5.714 | | | | | | | | | | | | | |
| 39 | 6.842 | 224 | 39.300 | 5.744 | | | | | | | | | | | | | |
| 29 | 5.088 | 168 | 29.475 | 5.793 | | | | | | | | | | | | | |
| 31 | 5.439 | 180 | 31.580 | 5.806 | | | | | | | | | | | | | |
| 34 | 5.965 | 200 | 35.089 | 5.882 | | | | | | | | | | | | | |
| 38 | 6.667 | 224 | 39.300 | 5.895 | | | | | | | | | | | | | |
| 28 | 4.912 | 168 | 29.475 | 6.000 | | | | | | | | | | | | | |
| 30 | 5.263 | 180 | 31.580 | 6.000 | | | | | | | | | | | | | |
| 37 | 6.492 | 224 | 39.300 | 6.054 | | | | | | | | | | | | | |
| 33 | 5.790 | 200 | 35.089 | 6.061 | | | | | | | | | | | | | |
| 29 | 5.088 | 180 | 31.580 | 6.207 | | | | | | | | | | | | | |
| 36 | 6.316 | 224 | 39.300 | 6.222 | | | | | | | | | | | | | |
| 32 | 5.614 | 200 | 35.089 | 6.250 | | | | | | | | | | | | | |
| 35 | 6.141 | 224 | 39.300 | 6.400 | | | | | | | | | | | | | |
| 28 | 4.912 | 180 | 31.580 | 6.429 | | | | | | | | | | | | | |
| 31 | 5.439 | 200 | 35.089 | 6.452 | | | | | | | | | | | | | |
| 34 | 5.965 | 224 | 39.300 | 6.588 | | | | | | | | | | | | | |
| 30 | 5.263 | 200 | 35.089 | 6.667 | | | | | | | | | | | | | |
| 33 | 5.790 | 224 | 39.300 | 6.788 | | | | | | | | | | | | | |
| 29 | 5.088 | 200 | 35.089 | 6.897 | | | | | | | | | | | | | |
| 32 | 5.614 | 224 | 39.300 | 7.000 | | | | | | | | | | | | | |
| 28 | 4.912 | 200 | 35.089 | 7.143 | | | | | | | | | | | | | |
| 31 | 5.439 | 224 | 39.300 | 7.226 | | | | | | | | | | | | | |
| 30 | 5.263 | 224 | 39.300 | 7.467 | | | | | | | | | | | | | |
| 29 | 5.088 | 224 | 39.300 | 7.724 | | | | | | | | | | | | | |
| 28 | 4.912 | 224 | 39.300 | 8.000 | | | | | | | | | | | | | |
| Length Factor* | | | | | 0.68 | 0.73 | 0.75 | 0.77 | 0.81 | 0.85 | 0.86 | 0.89 | 0.92 | 0.94 | 0.96 | 0.99 | 1.00 |

* This length factor must be used to determine the proper belt width.

## 14mm Pre-Engineered Drive Selection Table

| Center Distance (in) | | | | | | | | | | | | | | | Speed Ratio | Sprocket Combinations | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | DriveR | DriveN |
| 14MPCC-2380 P.L. 93.70 170 Teeth | 14MPCC-2450 P.L. 96.46 175 Teeth | 14MPCC-2530 P.L. 99.21 180 Teeth | 14MPCC-2590 P.L. 101.97 185 Teeth | 14MPCC-2660 P.L. 104.72 190 Teeth | 14MPCC-2800 P.L.110.24 200 Teeth | 14MPCC-3136 P.L. 123.46 224 Teeth | 14MPCC-3304 P.L. 130.08 236 Teeth | 14MPCC-3360 P.L.132.28 240 Teeth | 14MPCC-3500 P.L. 137.79 250 Teeth | 14MPCC-3850 P.L.151.57 275 Teeth | 14MPCC-3920 P.L. 154.33 280 Teeth | 14MPCC-4326 P.L. 170.31 309 Teeth | 14MPCC-4410 P.L.173.62 315 Teeth | | Number of Grooves | Pitch Diameter (inches) |
| 20.75 | 22.28 | 23.79 | 25.28 | 26.75 | 29.68 | 36.57 | 39.98 | 41.11 | 43.93 | 50.96 | 52.36 | 60.46 | 62.14 | 4.118 | 34 | 140 |
| | | | | | | 23.70 | 27.58 | 28.82 | 31.89 | 39.33 | 40.79 | 49.16 | 50.88 | 4.167 | 48 | 200 |
| | | | | | 20.81 | 28.42 | 32.03 | 33.21 | 36.15 | 43.38 | 44.82 | 53.06 | 54.76 | 4.186 | 43 | 180 |
| | | | 18.87 | 20.55 | 23.75 | 31.01 | 34.54 | 35.70 | 38.59 | 45.74 | 47.16 | 55.35 | 57.04 | 4.200 | 40 | 168 |
| | | | | | | | | | 26.32 | 34.28 | 35.80 | 44.43 | 46.18 | 4.226 | 53 | 224 |
| 20.86 | 22.39 | 23.90 | 25.39 | 26.86 | 29.79 | 36.68 | 40.10 | 41.23 | 44.05 | 51.08 | 52.49 | 60.59 | 62.26 | 4.242 | 33 | 140 |
| | | | 18.97 | 20.65 | 23.86 | 31.13 | 34.65 | 35.81 | 38.71 | 45.86 | 47.28 | 55.47 | 57.16 | 4.308 | 39 | 168 |
| 20.97 | 22.50 | 24.01 | 25.50 | 26.98 | 29.91 | 36.80 | 40.22 | 41.35 | 44.17 | 51.21 | 52.61 | 60.71 | 62.39 | 4.375 | 32 | 140 |
| | | | 19.08 | 20.75 | 23.97 | 31.24 | 34.77 | 35.93 | 38.82 | 45.98 | 47.40 | 55.60 | 57.29 | 4.421 | 38 | 168 |
| | | | | | | 24.01 | 27.90 | 29.15 | 32.22 | 39.67 | 41.14 | 49.52 | 51.24 | 4.444 | 45 | 200 |
| | | | | | | | | | 26.63 | 34.60 | 36.13 | 44.77 | 46.53 | 4.480 | 50 | 224 |
| | | | | | 21.12 | 28.75 | 32.37 | 33.55 | 36.49 | 43.73 | 45.17 | 53.42 | 55.12 | 4.500 | 40 | 180 |
| 21.08 | 22.61 | 24.12 | 25.62 | 27.09 | 30.02 | 36.92 | 40.34 | 41.47 | 44.30 | 51.33 | 52.73 | 60.84 | 62.51 | 4.516 | 31 | 140 |
| | | | 19.18 | 20.86 | 24.07 | 31.35 | 34.88 | 36.04 | 38.94 | 46.10 | 47.52 | 55.72 | 57.41 | 4.541 | 37 | 168 |
| | | | | | 21.23 | 28.86 | 32.48 | 33.66 | 36.61 | 43.85 | 45.29 | 53.54 | 55.24 | 4.615 | 39 | 180 |
| | | | | | | 24.21 | 28.11 | 29.36 | 32.44 | 39.90 | 41.37 | 49.75 | 51.47 | 4.651 | 43 | 200 |
| 21.19 | 22.72 | 24.23 | 25.73 | 27.21 | 30.14 | 37.04 | 40.46 | 41.59 | 44.42 | 51.45 | 52.86 | 60.97 | 62.64 | 4.667 | 30 | 140 |
| | | | 19.28 | 20.96 | 24.18 | 31.46 | 35.00 | 36.16 | 39.06 | 46.22 | 47.64 | 55.84 | 57.53 | 4.667 | 36 | 168 |
| | | | | | | | | | 26.84 | 34.82 | 36.35 | 45.00 | 46.76 | 4.667 | 48 | 224 |
| | | | | | 21.33 | 28.97 | 32.59 | 33.78 | 36.72 | 43.97 | 45.41 | 53.66 | 55.36 | 4.737 | 38 | 180 |
| | | | 19.38 | 21.06 | 24.29 | 31.58 | 35.11 | 36.27 | 39.17 | 46.34 | 47.76 | 55.96 | 57.65 | 4.800 | 35 | 168 |
| 21.30 | 22.83 | 24.34 | 25.84 | 27.32 | 30.25 | 37.16 | 40.58 | 41.71 | 44.54 | 51.58 | 52.98 | 61.09 | 62.77 | 4.828 | 29 | 140 |
| | | | | | 21.43 | 29.08 | 32.70 | 33.89 | 36.84 | 44.09 | 45.52 | 53.78 | 55.48 | 4.865 | 37 | 180 |
| | | | 19.48 | 21.17 | 24.39 | 31.69 | 35.23 | 36.39 | 39.29 | 46.46 | 47.88 | 56.08 | 57.78 | 4.941 | 34 | 168 |
| | | | | | | | | | 27.14 | 35.15 | 36.68 | 45.34 | 47.10 | 4.978 | 45 | 224 |
| 21.40 | 22.94 | 24.45 | 25.95 | 27.43 | 30.37 | 37.28 | 40.70 | 41.83 | 44.66 | 51.70 | 53.10 | 61.22 | 62.89 | 5.000 | 28 | 140 |
| | | | | | 21.53 | 29.19 | 32.81 | 34.00 | 36.95 | 44.20 | 45.64 | 53.90 | 55.61 | 5.000 | 36 | 180 |
| | | | | | | 24.52 | 28.43 | 29.68 | 32.77 | 40.24 | 41.71 | 50.11 | 51.83 | 5.000 | 40 | 200 |
| | | | 19.58 | 21.27 | 24.50 | 31.80 | 35.34 | 36.50 | 39.40 | 46.57 | 48.00 | 56.21 | 57.90 | 5.091 | 33 | 168 |
| | | | | | | 24.62 | 28.53 | 29.79 | 32.88 | 40.35 | 41.82 | 50.22 | 51.95 | 5.128 | 39 | 200 |
| | | | | | 21.63 | 29.30 | 32.93 | 34.11 | 37.06 | 44.32 | 45.76 | 54.02 | 55.73 | 5.143 | 35 | 180 |
| | | | | | | | | | 27.35 | 35.37 | 36.90 | 45.57 | 47.33 | 5.209 | 43 | 224 |
| | | | 19.69 | 21.38 | 24.61 | 31.91 | 35.45 | 36.62 | 39.52 | 46.69 | 48.12 | 56.33 | 58.02 | 5.250 | 32 | 168 |
| | | | | | | 24.73 | 28.64 | 29.90 | 32.99 | 40.47 | 41.94 | 50.34 | 52.06 | 5.263 | 38 | 200 |
| | | | | | 21.74 | 29.41 | 33.04 | 34.23 | 37.18 | 44.44 | 45.88 | 54.15 | 55.85 | 5.294 | 34 | 180 |
| | | | | | | 24.83 | 28.75 | 30.01 | 33.10 | 40.58 | 42.05 | 50.46 | 52.18 | 5.405 | 37 | 200 |
| | | 18.00 | 19.79 | 21.48 | 24.71 | 32.03 | 35.57 | 36.73 | 39.64 | 46.81 | 48.24 | 56.45 | 58.14 | 5.419 | 31 | 168 |
| | | | | | 21.84 | 29.52 | 33.15 | 34.34 | 37.29 | 44.56 | 45.99 | 54.27 | 55.97 | 5.455 | 33 | 180 |
| | | | | | | 24.93 | 28.85 | 30.11 | 33.21 | 40.70 | 42.17 | 50.58 | 52.30 | 5.556 | 36 | 200 |
| | | | 18.10 | 19.89 | 21.58 | 24.82 | 32.14 | 35.68 | 36.85 | 39.75 | 46.93 | 48.36 | 56.57 | 58.26 | 5.600 | 30 | 168 |
| | | | | | | | | | 24.13 | 27.66 | 35.69 | 37.23 | 45.91 | 47.67 | 5.600 | 40 | 224 |
| | | | | | 21.94 | 29.62 | 33.26 | 34.45 | 37.41 | 44.67 | 46.11 | 54.39 | 56.09 | 5.625 | 32 | 180 |
| | | | | | | 25.03 | 28.96 | 30.22 | 33.32 | 40.81 | 42.28 | 50.69 | 52.42 | 5.714 | 35 | 200 |
| | | | | | | | | 24.23 | 27.76 | 35.80 | 37.34 | 46.02 | 47.79 | 5.744 | 39 | 224 |
| | | 18.19 | 19.99 | 21.69 | 24.93 | 32.25 | 35.80 | 36.96 | 39.87 | 47.05 | 48.48 | 56.69 | 58.39 | 5.793 | 29 | 168 |
| | | | | | 22.04 | 29.73 | 33.37 | 34.56 | 37.52 | 44.79 | 46.23 | 54.51 | 56.21 | 5.806 | 31 | 180 |
| | | | | | | 25.14 | 29.07 | 30.33 | 33.43 | 40.92 | 42.39 | 50.81 | 52.53 | 5.882 | 34 | 200 |
| | | | | | | | | 24.32 | 27.86 | 35.91 | 37.45 | 46.14 | 47.90 | 5.895 | 38 | 224 |
| | | 18.29 | 20.09 | 21.79 | 25.03 | 32.36 | 35.91 | 37.08 | 39.99 | 47.17 | 48.60 | 56.81 | 58.51 | 6.000 | 28 | 168 |
| | | | | | 22.14 | 29.84 | 33.48 | 34.68 | 37.63 | 44.91 | 46.35 | 54.63 | 56.33 | 6.000 | 30 | 180 |
| | | | | | | | | 24.42 | 27.96 | 36.02 | 37.56 | 46.25 | 48.01 | 6.054 | 37 | 224 |
| | | | | | | 25.24 | 29.17 | 30.43 | 33.53 | 41.03 | 42.51 | 50.93 | 52.65 | 6.061 | 33 | 200 |
| | | | | | 22.25 | 29.95 | 33.59 | 34.79 | 37.75 | 45.02 | 46.46 | 54.75 | 56.45 | 6.207 | 29 | 180 |
| | | | | | | | | 24.52 | 28.07 | 36.12 | 37.67 | 46.36 | 48.13 | 6.222 | 36 | 224 |
| | | | | | | 25.34 | 29.28 | 30.54 | 33.64 | 41.15 | 42.62 | 51.04 | 52.77 | 6.250 | 32 | 200 |
| | | | | | | | | 24.62 | 28.17 | 36.23 | 37.78 | 46.48 | 48.24 | 6.400 | 35 | 224 |
| | | | | 18.70 | 22.35 | 30.06 | 33.71 | 34.90 | 37.86 | 45.14 | 46.58 | 54.87 | 56.57 | 6.429 | 28 | 180 |
| | | | | | | 25.44 | 29.38 | 30.65 | 33.75 | 41.26 | 42.74 | 51.16 | 52.89 | 6.452 | 31 | 200 |
| | | | | | | | 23.19 | 24.72 | 28.27 | 36.34 | 37.88 | 46.59 | 48.36 | 6.588 | 34 | 224 |
| | | | | | | 25.55 | 29.49 | 30.76 | 33.86 | 41.37 | 42.85 | 51.28 | 53.01 | 6.667 | 30 | 200 |
| | | | | | | | 23.28 | 24.82 | 28.37 | 36.45 | 37.99 | 46.70 | 48.47 | 6.788 | 33 | 224 |
| | | | | | | 25.65 | 29.59 | 30.86 | 33.97 | 41.49 | 42.96 | 51.40 | 53.12 | 6.897 | 29 | 200 |
| | | | | | | | 23.38 | 24.92 | 28.47 | 36.56 | 38.10 | 46.82 | 48.58 | 7.000 | 32 | 224 |
| | | | | | | 25.75 | 29.70 | 30.97 | 34.08 | 41.60 | 43.08 | 51.51 | 53.24 | 7.143 | 28 | 200 |
| | | | | | | | 23.48 | 25.02 | 28.58 | 36.66 | 38.21 | 46.93 | 48.70 | 7.226 | 31 | 224 |
| | | | | | | | 23.58 | 25.11 | 28.68 | 36.77 | 38.32 | 47.04 | 48.81 | 7.467 | 30 | 224 |
| | | | | | | | 23.67 | 25.21 | 28.78 | 36.88 | 38.43 | 47.15 | 48.93 | 7.724 | 29 | 224 |
| | | | | | | | 23.77 | 25.31 | 28.88 | 36.99 | 38.54 | 47.27 | 49.04 | 8.000 | 28 | 224 |
| 1.01 | 1.02 | 1.03 | 1.04 | 1.05 | 1.07 | 1.12 | 1.14 | 1.14 | 1.16 | 1.19 | 1.20 | 1.24 | 1.25 | Length Factor* | | |

* This length factor must be used to determine the proper belt width.

Center distance is greater than eight times the small sprocket and the large sprocket is not flanged. See Engineering Section for details.

# QT Power Chain® II Carbon Drive Selection

## 8mm Basic Horsepower Tables

### Horsepower Rating for 12mm Wide

| RPM of Faster Shaft | Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter Inches) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 22 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 45 |
| | 2.206 | 2.506 | 2.607 | 2.707 | 2.807 | 2.907 | 3.008 | 3.108 | 3.208 | 3.308 | 3.409 | 3.509 | 3.609 | 3.709 | 3.810 | 3.910 | 4.010 | 4.110 | 4.211 | 4.511 |
| Slower | Refer to selection program : http://beltdriveselector.tbwoods.com | | | | | | | | | | | | | | | | | | | |
| 88 | 0.72 | 0.87 | 0.92 | 0.97 | 1.02 | 1.07 | 1.12 | 1.17 | 1.21 | 1.26 | 1.31 | 1.36 | 1.41 | 1.46 | 1.51 | 1.56 | 1.61 | 1.66 | 1.71 | 1.85 |
| 100 | 0.79 | 0.96 | 1.02 | 1.08 | 1.13 | 1.19 | 1.24 | 1.30 | 1.35 | 1.41 | 1.46 | 1.52 | 1.57 | 1.63 | 1.68 | 1.74 | 1.79 | 1.85 | 1.90 | 2.06 |
| 117 | 0.90 | 1.10 | 1.16 | 1.23 | 1.29 | 1.35 | 1.42 | 1.48 | 1.55 | 1.61 | 1.67 | 1.74 | 1.80 | 1.86 | 1.93 | 1.99 | 2.05 | 2.11 | 2.18 | 2.36 |
| 175 | 1.27 | 1.55 | 1.64 | 1.73 | 1.82 | 1.91 | 2.01 | 2.10 | 2.19 | 2.28 | 2.37 | 2.46 | 2.55 | 2.64 | 2.73 | 2.82 | 2.91 | 3.00 | 3.09 | 3.36 |
| 200 | 1.42 | 1.73 | 1.84 | 1.94 | 2.05 | 2.15 | 2.25 | 2.36 | 2.46 | 2.56 | 2.66 | 2.77 | 2.87 | 2.97 | 3.07 | 3.18 | 3.28 | 3.38 | 3.48 | 3.78 |
| 233 | 1.62 | 1.98 | 2.10 | 2.22 | 2.34 | 2.45 | 2.57 | 2.69 | 2.81 | 2.93 | 3.05 | 3.16 | 3.28 | 3.40 | 3.52 | 3.63 | 3.75 | 3.87 | 3.98 | 4.33 |
| 300 | 2.01 | 2.46 | 2.61 | 2.76 | 2.91 | 3.06 | 3.21 | 3.36 | 3.51 | 3.66 | 3.81 | 3.96 | 4.10 | 4.25 | 4.40 | 4.55 | 4.69 | 4.84 | 4.99 | 5.43 |
| 350 | 2.29 | 2.82 | 2.99 | 3.16 | 3.34 | 3.51 | 3.68 | 3.85 | 4.02 | 4.20 | 4.37 | 4.54 | 4.71 | 4.88 | 5.05 | 5.22 | 5.39 | 5.55 | 5.72 | 6.23 |
| 400 | 2.57 | 3.17 | 3.36 | 3.56 | 3.75 | 3.95 | 4.14 | 4.34 | 4.53 | 4.72 | 4.92 | 5.11 | 5.30 | 5.49 | 5.69 | 5.88 | 6.07 | 6.26 | 6.45 | 7.02 |
| 500 | 3.12 | 3.85 | 4.09 | 4.33 | 4.57 | 4.81 | 5.05 | 5.29 | 5.53 | 5.76 | 6.00 | 6.24 | 6.47 | 6.71 | 6.95 | 7.18 | 7.41 | 7.65 | 7.88 | 8.58 |
| 575 | 3.53 | 4.35 | 4.63 | 4.90 | 5.17 | 5.44 | 5.72 | 5.99 | 6.26 | 6.53 | 6.80 | 7.07 | 7.34 | 7.60 | 7.87 | 8.14 | 8.41 | 8.67 | 8.94 | 9.73 |
| 600 | 3.66 | 4.52 | 4.80 | 5.09 | 5.37 | 5.65 | 5.94 | 6.22 | 6.50 | 6.78 | 7.06 | 7.34 | 7.62 | 7.90 | 8.18 | 8.46 | 8.73 | 9.01 | 9.29 | 10.1 |
| 690 | 4.13 | 5.11 | 5.43 | 5.76 | 6.08 | 6.40 | 6.72 | 7.04 | 7.36 | 7.68 | 8.00 | 8.32 | 8.64 | 8.95 | 9.27 | 9.59 | 9.90 | 10.2 | 10.5 | 11.5 |
| 700 | 4.18 | 5.17 | 5.50 | 5.83 | 6.16 | 6.48 | 6.81 | 7.14 | 7.46 | 7.78 | 8.11 | 8.43 | 8.75 | 9.07 | 9.39 | 9.71 | 10.0 | 10.4 | 10.7 | 11.6 |
| 800 | 4.70 | 5.82 | 6.19 | 6.56 | 6.93 | 7.30 | 7.67 | 8.04 | 8.40 | 8.77 | 9.14 | 9.50 | 9.86 | 10.2 | 10.6 | 11.0 | 11.3 | 11.7 | 12.0 | 13.1 |
| 870 | 5.05 | 6.26 | 6.67 | 7.07 | 7.47 | 7.86 | 8.27 | 8.66 | 9.06 | 9.45 | 9.85 | 10.2 | 10.6 | 11.0 | 11.4 | 11.8 | 12.2 | 12.6 | 13.0 | 14.1 |
| 900 | 5.20 | 6.45 | 6.87 | 7.28 | 7.69 | 8.11 | 8.52 | 8.93 | 9.34 | 9.74 | 10.2 | 10.6 | 11.0 | 11.4 | 11.8 | 12.2 | 12.6 | 13.0 | 13.4 | 14.6 |
| 1000 | 5.70 | 7.08 | 7.54 | 7.99 | 8.45 | 8.90 | 9.36 | 9.81 | 10.3 | 10.7 | 11.2 | 11.6 | 12.1 | 12.5 | 12.9 | 13.4 | 13.8 | 14.3 | 14.7 | 16.0 |
| 1160 | 6.49 | 8.07 | 8.59 | 9.12 | 9.64 | 10.2 | 10.7 | 11.2 | 11.7 | 12.2 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.3 | 15.8 | 16.3 | 16.8 | 18.3 |
| 1750 | 9.27 | 11.6 | 12.3 | 13.1 | 13.9 | 14.6 | 15.4 | 16.1 | 16.9 | 17.7 | 18.4 | 19.2 | 19.9 | 20.7 | 21.4 | 22.1 | 22.9 | 23.6 | 24.4 | 26.6 |
| 2000 | 10.4 | 13.0 | 13.9 | 14.7 | 15.6 | 16.5 | 17.3 | 18.2 | 19.0 | 19.9 | 20.7 | 21.6 | 22.4 | 23.3 | 24.1 | 25.0 | 25.8 | 26.6 | 27.5 | 29.9 |
| 3000 | 14.7 | 18.5 | 19.8 | 21.0 | 22.3 | 23.5 | 24.8 | 26.0 | 27.2 | 28.5 | 29.7 | 30.9 | 32.1 | 33.4 | 34.6 | 35.8 | 37.0 | 38.2 | 39.4 | 43.0 |
| 3450 | 16.6 | 20.9 | 22.3 | 23.8 | 25.2 | 26.6 | 28.0 | 29.4 | 30.8 | 32.2 | 33.6 | 35.0 | 36.3 | 37.7 | 39.1 | 40.5 | 41.8 | 43.2 | 44.5 | 48.6 |
| 4000 | 18.8 | 23.7 | 25.4 | 27.0 | 28.6 | 30.2 | 31.8 | 33.4 | 35.0 | 36.6 | 38.2 | 39.8 | 41.4 | 42.9 | 44.5 | 46.0 | 47.6 | 49.1 | 50.7 | 55.2 |
| 4500 | 20.8 | 26.3 | 28.1 | 29.9 | 31.7 | 33.5 | 35.2 | 37.0 | 38.8 | 40.5 | 42.3 | 44.0 | 45.8 | 47.5 | 49.2 | 50.9 | 52.7 | 54.4 | 56.1 | 61.1 |
| 5000 | 22.7 | 28.7 | 30.7 | 32.7 | 34.6 | 36.6 | 38.6 | 40.5 | 42.4 | 44.4 | 46.3 | 48.2 | 50.1 | 52.0 | 53.9 | 55.7 | 57.6 | 59.4 | 61.3 | 66.8 |
| 5500 | 24.6 | 31.1 | 33.3 | 35.4 | 37.5 | 39.7 | 41.8 | 43.9 | 46.0 | 48.1 | 50.2 | 52.2 | 54.3 | 56.3 | 58.4 | 60.4 | 62.4 | 64.4 | 66.4 | 72.2 |

### Horsepower Rating for 21mm Wide

| RPM of Faster Shaft | Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter Inches) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 22 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 45 |
| | 2.206 | 2.506 | 2.607 | 2.707 | 2.807 | 2.907 | 3.008 | 3.108 | 3.208 | 3.308 | 3.409 | 3.509 | 3.609 | 3.709 | 3.810 | 3.910 | 4.010 | 4.110 | 4.211 | 4.511 |
| Slower | Refer to selection program : http://beltdriveselector.tbwoods.com | | | | | | | | | | | | | | | | | | | |
| 88 | 1.25 | 1.52 | 1.60 | 1.69 | 1.78 | 1.86 | 1.95 | 2.04 | 2.13 | 2.21 | 2.30 | 2.38 | 2.47 | 2.56 | 2.64 | 2.73 | 2.81 | 2.90 | 2.98 | 3.24 |
| 100 | 1.39 | 1.69 | 1.78 | 1.88 | 1.98 | 2.08 | 2.17 | 2.27 | 2.37 | 2.46 | 2.56 | 2.66 | 2.75 | 2.85 | 2.95 | 3.04 | 3.14 | 3.23 | 3.33 | 3.61 |
| 117 | 1.58 | 1.92 | 2.04 | 2.15 | 2.26 | 2.37 | 2.48 | 2.59 | 2.71 | 2.82 | 2.93 | 3.04 | 3.15 | 3.26 | 3.37 | 3.48 | 3.59 | 3.70 | 3.81 | 4.14 |
| 175 | 2.22 | 2.71 | 2.87 | 3.03 | 3.19 | 3.35 | 3.51 | 3.67 | 3.83 | 3.99 | 4.15 | 4.31 | 4.47 | 4.62 | 4.78 | 4.94 | 5.10 | 5.26 | 5.41 | 5.88 |
| 200 | 2.49 | 3.03 | 3.22 | 3.40 | 3.58 | 3.76 | 3.94 | 4.12 | 4.30 | 4.48 | 4.66 | 4.84 | 5.02 | 5.20 | 5.38 | 5.56 | 5.73 | 5.91 | 6.09 | 6.62 |
| 233 | 2.83 | 3.46 | 3.67 | 3.88 | 4.09 | 4.30 | 4.51 | 4.71 | 4.92 | 5.13 | 5.33 | 5.54 | 5.74 | 5.95 | 6.15 | 6.36 | 6.56 | 6.77 | 6.97 | 7.58 |
| 300 | 3.52 | 4.31 | 4.58 | 4.84 | 5.10 | 5.36 | 5.62 | 5.89 | 6.15 | 6.40 | 6.67 | 6.93 | 7.18 | 7.44 | 7.70 | 7.96 | 8.21 | 8.47 | 8.73 | 9.49 |
| 350 | 4.02 | 4.93 | 5.24 | 5.54 | 5.84 | 6.14 | 6.44 | 6.74 | 7.04 | 7.34 | 7.64 | 7.94 | 8.24 | 8.54 | 8.83 | 9.13 | 9.43 | 9.72 | 10.0 | 10.9 |
| 400 | 4.51 | 5.54 | 5.89 | 6.23 | 6.57 | 6.91 | 7.25 | 7.59 | 7.93 | 8.27 | 8.61 | 8.94 | 9.28 | 9.62 | 9.95 | 10.3 | 10.6 | 11.0 | 11.3 | 12.3 |
| 500 | 5.47 | 6.74 | 7.16 | 7.58 | 8.00 | 8.42 | 8.84 | 9.25 | 9.67 | 10.1 | 10.5 | 10.9 | 11.3 | 11.7 | 12.2 | 12.6 | 13.0 | 13.4 | 13.8 | 15.0 |
| 575 | 6.17 | 7.61 | 8.10 | 8.58 | 9.05 | 9.53 | 10.0 | 10.5 | 11.0 | 11.4 | 11.9 | 12.4 | 12.8 | 13.3 | 13.8 | 14.2 | 14.7 | 15.2 | 15.6 | 17.0 |
| 600 | 6.40 | 7.90 | 8.41 | 8.90 | 9.40 | 9.89 | 10.4 | 10.9 | 11.4 | 11.9 | 12.4 | 12.8 | 13.3 | 13.8 | 14.3 | 14.8 | 15.3 | 15.8 | 16.3 | 17.7 |
| 690 | 7.23 | 8.94 | 9.51 | 10.1 | 10.6 | 11.2 | 11.8 | 12.3 | 12.9 | 13.4 | 14.0 | 14.6 | 15.1 | 15.7 | 16.2 | 16.8 | 17.3 | 17.9 | 18.4 | 20.1 |
| 700 | 7.32 | 9.05 | 9.63 | 10.2 | 10.8 | 11.3 | 11.9 | 12.5 | 13.1 | 13.6 | 14.2 | 14.8 | 15.3 | 15.9 | 16.4 | 17.0 | 17.6 | 18.1 | 18.7 | 20.3 |
| 800 | 8.22 | 10.2 | 10.8 | 11.5 | 12.1 | 12.8 | 13.4 | 14.1 | 14.7 | 15.3 | 16.0 | 16.6 | 17.3 | 17.9 | 18.5 | 19.2 | 19.8 | 20.4 | 21.1 | 22.9 |
| 870 | 8.84 | 11.0 | 11.7 | 12.4 | 13.1 | 13.8 | 14.5 | 15.2 | 15.9 | 16.5 | 17.2 | 17.9 | 18.6 | 19.3 | 20.0 | 20.7 | 21.4 | 22.0 | 22.7 | 24.8 |
| 900 | 9.11 | 11.3 | 12.0 | 12.7 | 13.5 | 14.2 | 14.9 | 15.6 | 16.3 | 17.1 | 17.8 | 18.5 | 19.2 | 19.9 | 20.6 | 21.3 | 22.0 | 22.7 | 23.4 | 25.5 |
| 1000 | 9.98 | 12.4 | 13.2 | 14.0 | 14.8 | 15.6 | 16.4 | 17.2 | 18.0 | 18.7 | 19.5 | 20.3 | 21.1 | 21.9 | 22.7 | 23.4 | 24.2 | 25.0 | 25.8 | 28.1 |
| 1160 | 11.4 | 14.1 | 15.0 | 16.0 | 16.9 | 17.8 | 18.7 | 19.6 | 20.5 | 21.4 | 22.3 | 23.2 | 24.1 | 25.0 | 25.9 | 26.8 | 27.7 | 28.6 | 29.5 | 32.1 |
| 1750 | 16.2 | 20.3 | 21.6 | 22.9 | 24.3 | 25.6 | 26.9 | 28.3 | 29.6 | 30.9 | 32.2 | 33.5 | 34.8 | 36.1 | 37.5 | 38.7 | 40.0 | 41.3 | 42.6 | 46.5 |
| 2000 | 18.2 | 22.8 | 24.3 | 25.8 | 27.3 | 28.8 | 30.3 | 31.8 | 33.3 | 34.8 | 36.3 | 37.8 | 39.2 | 40.7 | 42.2 | 43.7 | 45.1 | 46.6 | 48.1 | 52.4 |
| 3000 | 25.8 | 32.4 | 34.6 | 36.8 | 39.0 | 41.2 | 43.4 | 45.5 | 47.7 | 49.8 | 52.0 | 54.1 | 56.3 | 58.4 | 60.5 | 62.6 | 64.7 | 66.8 | 68.9 | 75.2 |
| 3450 | 29.1 | 36.6 | 39.1 | 41.6 | 44.1 | 46.5 | 49.0 | 51.5 | 53.9 | 56.3 | 58.8 | 61.2 | 63.6 | 66.0 | 68.4 | 70.8 | 73.2 | 75.6 | 78.0 | 85.0 |
| 4000 | 32.9 | 41.5 | 44.4 | 47.3 | 50.1 | 52.9 | 55.7 | 58.5 | 61.3 | 64.1 | 66.9 | 69.6 | 72.4 | 75.1 | 77.8 | 80.6 | 83.3 | 86.0 | 88.7 | 96.6 |
| 4500 | 36.4 | 45.9 | 49.1 | 52.3 | 55.4 | 58.5 | 61.7 | 64.8 | 67.9 | 70.9 | 74.0 | 77.1 | 80.1 | 83.1 | 86.2 | 89.2 | 92.1 | 95.1 | 98.1 | 106.9 |
| 5000 | 39.7 | 50.2 | 53.7 | 57.2 | 60.6 | 64.1 | 67.5 | 70.9 | 74.3 | 77.6 | 81.0 | 84.3 | 87.6 | 90.9 | 94.3 | 97.5 | 100.8 | 104.0 | 107.3 | 116.8 |
| 5500 | 43.0 | 54.4 | 58.2 | 62.0 | 65.7 | 69.4 | 73.2 | 76.8 | 80.5 | 84.1 | 87.8 | 91.4 | 95.0 | 98.5 | 102.1 | 105.6 | 109.1 | 112.6 | 116.1 | 126.4 |

Use this sprocket only if required to obtain speed ratio or to meet diameter limitations. See Engineering Section for details.

### QT Power Chain® II Carbon Belt Length Correction Factor Table

| Pitch/Length Designation | Number of Teeth | Correction Factor |
|---|---|---|
| 8MPCC-640 | 80 | 0.79 |
| 8MPCC-720 | 90 | 0.83 |
| 8MPCC-800 | 100 | 0.87 |
| 8MPCC-896 | 112 | 0.91 |
| 8MPCC-960 | 120 | 0.94 |
| 8MPCC-1000 | 125 | 0.96 |
| 8MPCC-1040 | 130 | 0.97 |
| 8MPCC-1120 | 140 | 1.00 |

| Pitch/Length Designation | Number of Teeth | Correction Factor |
|---|---|---|
| 8MPCC-1200 | 150 | 1.03 |
| 8MPCC-1224 | 153 | 1.03 |
| 8MPCC-1280 | 160 | 1.05 |
| 8MPCC-1440 | 180 | 1.10 |
| 8MPCC-1600 | 200 | 1.14 |
| 8MPCC-1760 | 220 | 1.17 |
| 8MPCC-1792 | 224 | 1.18 |
| 8MPCC-2000 | 250 | 1.22 |

# 8mm Basic Horsepower Tables

## Horsepower Rating for 12mm Wide

| Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter Inches) | | | | | | | | | | Additional Horsepower per belt for Speed Ratio of Speed-Down Drives | | | | | | | | | | RPM of Faster Shaft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 50 | 53 | 56 | 60 | 63 | 67 | 71 | 75 | 80 | 1.00 to | 1.03 to | 1.06 to | 1.11 to | 1.16 to | 1.22 to | 1.31 to | 1.44 to | 1.65 to | 2.16 & | |
| 4.812 | 5.013 | 5.314 | 5.614 | 6.015 | 6.316 | 6.717 | 7.118 | 7.519 | 8.020 | 1.02 | 1.05 | 1.10 | 1.15 | 1.21 | 1.30 | 1.43 | 1.64 | 2.15 | Over | |
| Refer to selection program : http://beltdriveselector.tbwoods.com | | | | | | | | | | | | | | | | | | | | Slower |
| 2.00 | 2.09 | 2.24 | 2.38 | 2.57 | 2.72 | 2.91 | 3.10 | 3.29 | 3.52 | 0.00 | 0.01 | 0.01 | 0.02 | 0.03 | 0.04 | 0.04 | 0.05 | 0.06 | 0.06 | 88 |
| 2.23 | 2.34 | 2.50 | 2.66 | 2.87 | 3.03 | 3.25 | 3.46 | 3.67 | 3.93 | 0.00 | 0.01 | 0.02 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.06 | 0.07 | 100 |
| 2.55 | 2.68 | 2.86 | 3.05 | 3.29 | 3.48 | 3.72 | 3.97 | 4.21 | 4.51 | 0.00 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.07 | 0.08 | 117 |
| 3.63 | 3.81 | 4.07 | 4.34 | 4.69 | 4.96 | 5.31 | 5.66 | 6.00 | 6.44 | 0.00 | 0.01 | 0.03 | 0.04 | 0.06 | 0.07 | 0.08 | 0.10 | 0.11 | 0.13 | 175 |
| 4.08 | 4.29 | 4.59 | 4.89 | 5.28 | 5.58 | 5.98 | 6.37 | 6.76 | 7.25 | 0.00 | 0.02 | 0.03 | 0.05 | 0.06 | 0.08 | 0.10 | 0.11 | 0.13 | 0.14 | 200 |
| 4.68 | 4.91 | 5.25 | 5.60 | 6.05 | 6.40 | 6.85 | 7.30 | 7.75 | 8.31 | 0.00 | 0.02 | 0.04 | 0.06 | 0.07 | 0.09 | 0.11 | 0.13 | 0.15 | 0.17 | 233 |
| 5.86 | 6.15 | 6.59 | 7.02 | 7.59 | 8.02 | 8.59 | 9.16 | 9.73 | 10.4 | 0.00 | 0.02 | 0.05 | 0.07 | 0.10 | 0.12 | 0.14 | 0.17 | 0.19 | 0.21 | 300 |
| 6.73 | 7.07 | 7.57 | 8.06 | 8.72 | 9.22 | 9.87 | 10.5 | 11.2 | 12.0 | 0.00 | 0.03 | 0.06 | 0.08 | 0.11 | 0.14 | 0.17 | 0.19 | 0.22 | 0.25 | 350 |
| 7.59 | 7.97 | 8.53 | 9.09 | 9.84 | 10.4 | 11.1 | 11.9 | 12.6 | 13.5 | 0.00 | 0.03 | 0.06 | 0.10 | 0.13 | 0.16 | 0.19 | 0.22 | 0.25 | 0.29 | 400 |
| 9.28 | 9.74 | 10.4 | 11.1 | 12.0 | 12.7 | 13.6 | 14.5 | 15.4 | 16.6 | 0.00 | 0.04 | 0.08 | 0.12 | 0.16 | 0.20 | 0.24 | 0.28 | 0.32 | 0.36 | 500 |
| 10.5 | 11.1 | 11.8 | 12.6 | 13.7 | 14.4 | 15.5 | 16.5 | 17.5 | 18.8 | 0.00 | 0.05 | 0.09 | 0.14 | 0.18 | 0.23 | 0.27 | 0.32 | 0.37 | 0.41 | 575 |
| 10.9 | 11.5 | 12.3 | 13.1 | 14.2 | 15.0 | 16.1 | 17.2 | 18.2 | 19.5 | 0.00 | 0.05 | 0.10 | 0.14 | 0.19 | 0.24 | 0.29 | 0.33 | 0.38 | 0.43 | 600 |
| 12.4 | 13.0 | 14.0 | 14.9 | 16.1 | 17.0 | 18.3 | 19.5 | 20.7 | 22.2 | 0.00 | 0.06 | 0.11 | 0.16 | 0.22 | 0.27 | 0.33 | 0.38 | 0.44 | 0.49 | 690 |
| 12.6 | 13.2 | 14.1 | 15.1 | 16.3 | 17.3 | 18.5 | 19.7 | 21.0 | 22.5 | 0.00 | 0.06 | 0.11 | 0.17 | 0.22 | 0.28 | 0.33 | 0.39 | 0.45 | 0.50 | 700 |
| 14.2 | 14.9 | 16.0 | 17.0 | 18.4 | 19.5 | 20.9 | 22.3 | 23.7 | 25.4 | 0.00 | 0.06 | 0.13 | 0.19 | 0.25 | 0.32 | 0.38 | 0.45 | 0.51 | 0.57 | 800 |
| 15.3 | 16.1 | 17.2 | 18.4 | 19.9 | 21.0 | 22.5 | 24.0 | 25.5 | 27.4 | 0.00 | 0.07 | 0.14 | 0.21 | 0.28 | 0.35 | 0.42 | 0.48 | 0.55 | 0.62 | 870 |
| 15.8 | 16.6 | 17.8 | 18.9 | 20.5 | 21.7 | 23.2 | 24.8 | 26.3 | 28.2 | 0.00 | 0.07 | 0.14 | 0.22 | 0.29 | 0.36 | 0.43 | 0.50 | 0.57 | 0.64 | 900 |
| 17.4 | 18.2 | 19.5 | 20.8 | 22.6 | 23.9 | 25.6 | 27.3 | 29.0 | 31.1 | 0.00 | 0.08 | 0.16 | 0.24 | 0.32 | 0.40 | 0.48 | 0.56 | 0.64 | 0.72 | 1000 |
| 19.9 | 20.9 | 22.4 | 23.8 | 25.8 | 27.3 | 29.3 | 31.2 | 33.1 | 35.6 | 0.00 | 0.09 | 0.18 | 0.28 | 0.37 | 0.46 | 0.55 | 0.65 | 0.74 | 0.83 | 1160 |
| 28.8 | 30.2 | 32.4 | 34.6 | 37.4 | 39.6 | 42.4 | 45.2 | 48.0 | 51.5 | 0.00 | 0.14 | 0.28 | 0.42 | 0.56 | 0.70 | 0.84 | 0.97 | 1.11 | 1.25 | 1750 |
| 32.4 | 34.1 | 36.5 | 39.0 | 42.2 | 44.6 | 47.8 | 51.0 | 54.1 | 58.0 | 0.00 | 0.16 | 0.32 | 0.48 | 0.64 | 0.80 | 0.95 | 1.11 | 1.27 | 1.43 | 2000 |
| 46.5 | 48.9 | 52.4 | 55.8 | 60.4 | 63.8 | 68.3 | 72.7 | 77.1 | 82.5 | 0.00 | 0.24 | 0.48 | 0.72 | 0.95 | 1.19 | 1.43 | 1.67 | 1.91 | 2.15 | 3000 |
| 52.6 | 55.2 | 59.2 | 63.0 | 68.2 | 72.0 | 77.0 | 81.9 | | | 0.00 | 0.28 | 0.55 | 0.82 | 1.10 | 1.37 | 1.65 | 1.92 | 2.20 | 2.47 | 3450 |
| 59.8 | 62.7 | 67.2 | 71.6 | 77.3 | | | | | | 0.00 | 0.32 | 0.64 | 0.96 | 1.27 | 1.59 | 1.91 | 2.23 | 2.55 | 2.86 | 4000 |
| 66.1 | 69.3 | 74.2 | | | | | | | | 0.00 | 0.36 | 0.72 | 1.08 | 1.43 | 1.79 | 2.15 | 2.51 | 2.87 | 3.22 | 4500 |
| 72.1 | 75.7 | | | | | | | | | 0.00 | 0.40 | 0.79 | 1.19 | 1.59 | 1.99 | 2.39 | 2.78 | 3.18 | 3.58 | 5000 |
| | | | | | | | | | | 0.00 | 0.44 | 0.87 | 1.31 | 1.75 | 2.19 | 2.63 | 3.06 | 3.50 | 3.94 | 5500 |

## Horsepower Rating for 21mm Wide

| Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter Inches) | | | | | | | | | | Additional Horsepower per belt for Speed Ratio of Speed-Down Drives | | | | | | | | | | RPM of Faster Shaft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 50 | 53 | 56 | 60 | 63 | 67 | 71 | 75 | 80 | 1.00 to | 1.03 to | 1.06 to | 1.11 to | 1.16 to | 1.22 to | 1.31 to | 1.44 to | 1.65 to | 2.16 & | |
| 4.812 | 5.013 | 5.314 | 5.614 | 6.015 | 6.316 | 6.717 | 7.118 | 7.519 | 8.020 | 1.02 | 1.05 | 1.10 | 1.15 | 1.21 | 1.30 | 1.43 | 1.64 | 2.15 | Over | |
| Refer to selection program : http://beltdriveselector.tbwoods.com | | | | | | | | | | | | | | | | | | | | Slower |
| 3.49 | 3.66 | 3.92 | 4.17 | 4.50 | 4.75 | 5.09 | 5.42 | 5.75 | 6.16 | 0.00 | 0.01 | 0.02 | 0.04 | 0.05 | 0.06 | 0.07 | 0.09 | 0.10 | 0.11 | 88 |
| 3.90 | 4.09 | 4.37 | 4.65 | 5.03 | 5.31 | 5.68 | 6.05 | 6.42 | 6.88 | 0.00 | 0.01 | 0.03 | 0.04 | 0.06 | 0.07 | 0.08 | 0.10 | 0.11 | 0.13 | 100 |
| 4.46 | 4.68 | 5.01 | 5.33 | 5.76 | 6.08 | 6.51 | 6.94 | 7.36 | 7.89 | 0.00 | 0.02 | 0.03 | 0.05 | 0.07 | 0.08 | 0.10 | 0.11 | 0.13 | 0.15 | 117 |
| 6.35 | 6.66 | 7.13 | 7.59 | 8.21 | 8.67 | 9.29 | 9.90 | 10.5 | 11.3 | 0.00 | 0.02 | 0.05 | 0.07 | 0.10 | 0.12 | 0.15 | 0.17 | 0.19 | 0.22 | 175 |
| 7.15 | 7.50 | 8.03 | 8.55 | 9.25 | 9.77 | 10.5 | 11.1 | 11.8 | 12.7 | 0.00 | 0.03 | 0.06 | 0.08 | 0.11 | 0.14 | 0.17 | 0.19 | 0.22 | 0.25 | 200 |
| 8.19 | 8.59 | 9.20 | 9.80 | 10.6 | 11.2 | 12.0 | 12.8 | 13.6 | 14.5 | 0.00 | 0.03 | 0.06 | 0.10 | 0.13 | 0.16 | 0.19 | 0.23 | 0.26 | 0.29 | 233 |
| 10.3 | 10.8 | 11.5 | 12.3 | 13.3 | 14.0 | 15.0 | 16.0 | 17.0 | 18.3 | 0.00 | 0.04 | 0.08 | 0.13 | 0.17 | 0.21 | 0.25 | 0.29 | 0.33 | 0.38 | 300 |
| 11.8 | 12.4 | 13.2 | 14.1 | 15.3 | 16.1 | 17.3 | 18.4 | 19.6 | 21.0 | 0.00 | 0.05 | 0.10 | 0.15 | 0.19 | 0.24 | 0.29 | 0.34 | 0.39 | 0.44 | 350 |
| 13.3 | 13.9 | 14.9 | 15.9 | 17.2 | 18.2 | 19.5 | 20.8 | 22.1 | 23.7 | 0.00 | 0.06 | 0.11 | 0.17 | 0.22 | 0.28 | 0.33 | 0.39 | 0.45 | 0.50 | 400 |
| 16.2 | 17.0 | 18.3 | 19.5 | 21.1 | 22.3 | 23.9 | 25.4 | 27.0 | 29.0 | 0.00 | 0.07 | 0.14 | 0.21 | 0.28 | 0.35 | 0.42 | 0.49 | 0.56 | 0.63 | 500 |
| 18.4 | 19.3 | 20.7 | 22.1 | 23.9 | 25.3 | 27.1 | 28.9 | 30.7 | 32.9 | 0.00 | 0.08 | 0.16 | 0.24 | 0.32 | 0.40 | 0.48 | 0.56 | 0.64 | 0.72 | 575 |
| 19.1 | 20.1 | 21.5 | 23.0 | 24.9 | 26.3 | 28.1 | 30.0 | 31.9 | 34.2 | 0.00 | 0.08 | 0.17 | 0.25 | 0.33 | 0.42 | 0.50 | 0.58 | 0.67 | 0.75 | 600 |
| 21.7 | 22.8 | 24.4 | 26.1 | 28.2 | 29.8 | 32.0 | 34.1 | 36.2 | 38.8 | 0.00 | 0.10 | 0.19 | 0.29 | 0.38 | 0.48 | 0.58 | 0.67 | 0.77 | 0.86 | 690 |
| 22.0 | 23.1 | 24.8 | 26.4 | 28.6 | 30.2 | 32.4 | 34.5 | 36.7 | 39.3 | 0.00 | 0.10 | 0.19 | 0.29 | 0.39 | 0.49 | 0.58 | 0.68 | 0.78 | 0.88 | 700 |
| 24.8 | 26.1 | 27.9 | 29.8 | 32.3 | 34.1 | 36.5 | 39.0 | 41.4 | 44.4 | 0.00 | 0.11 | 0.22 | 0.33 | 0.45 | 0.56 | 0.67 | 0.78 | 0.89 | 1.00 | 800 |
| 26.8 | 28.1 | 30.1 | 32.2 | 34.8 | 36.8 | 39.4 | 42.1 | 44.7 | 47.9 | 0.00 | 0.12 | 0.24 | 0.36 | 0.48 | 0.61 | 0.73 | 0.85 | 0.97 | 1.09 | 870 |
| 27.6 | 29.0 | 31.1 | 33.2 | 35.9 | 38.0 | 40.7 | 43.4 | 46.1 | 49.4 | 0.00 | 0.13 | 0.25 | 0.38 | 0.50 | 0.63 | 0.75 | 0.88 | 1.00 | 1.13 | 900 |
| 30.4 | 31.9 | 34.2 | 36.5 | 39.5 | 41.8 | 44.8 | 47.7 | 50.7 | 54.4 | 0.00 | 0.14 | 0.28 | 0.42 | 0.56 | 0.70 | 0.84 | 0.97 | 1.11 | 1.25 | 1000 |
| 34.7 | 36.5 | 39.1 | 41.7 | 45.2 | 47.8 | 51.2 | 54.6 | 58.0 | 62.2 | 0.00 | 0.16 | 0.32 | 0.49 | 0.65 | 0.81 | 0.97 | 1.13 | 1.29 | 1.45 | 1160 |
| 50.3 | 52.9 | 56.7 | 60.5 | 65.5 | 69.2 | 74.2 | 79.1 | 84.0 | 90.1 | 0.00 | 0.24 | 0.49 | 0.73 | 0.97 | 1.22 | 1.46 | 1.71 | 1.95 | 2.19 | 1750 |
| 56.7 | 59.6 | 63.9 | 68.2 | 73.8 | 78.1 | 83.6 | 89.2 | 94.7 | 101.5 | 0.00 | 0.28 | 0.56 | 0.84 | 1.11 | 1.39 | 1.67 | 1.95 | 2.23 | 2.51 | 2000 |
| 81.4 | 85.5 | 91.6 | 97.7 | 105.7 | 111.7 | 119.5 | 127.3 | 135.0 | 144.4 | 0.00 | 0.42 | 0.83 | 1.25 | 1.67 | 2.09 | 2.51 | 2.92 | 3.34 | 3.76 | 3000 |
| 92.0 | 96.6 | 103.5 | 110.3 | 119.3 | 126.0 | 134.7 | 143.4 | | | 0.00 | 0.48 | 0.96 | 1.44 | 1.92 | 2.40 | 2.88 | 3.36 | 3.84 | 4.32 | 3450 |
| 104.6 | 109.8 | 117.6 | 125.2 | 135.3 | | | | | | 0.00 | 0.56 | 1.11 | 1.67 | 2.23 | 2.79 | 3.34 | 3.90 | 4.46 | 5.01 | 4000 |
| 115.6 | 121.4 | 129.9 | | | | | | | | 0.00 | 0.63 | 1.25 | 1.88 | 2.51 | 3.13 | 3.76 | 4.39 | 5.01 | 5.64 | 4500 |
| 126.3 | 132.5 | | | | | | | | | 0.00 | 0.70 | 1.39 | 2.09 | 2.78 | 3.48 | 4.18 | 4.87 | 5.57 | 6.27 | 5000 |
| | | | | | | | | | | 0.00 | 0.77 | 1.53 | 2.30 | 3.06 | 3.83 | 4.60 | 5.36 | 6.13 | 6.89 | 5500 |

## QT Power Chain® II Belt Carbon Length Correction Factor Table

| Pitch/Length Designation | Number of Teeth | Correction Factor |
|---|---|---|
| 8MPCC-2200 | 275 | 1.26 |
| 8MPCC-2240 | 280 | 1.26 |
| 8MPCC-2400 | 300 | 1.29 |
| 8MPCC-2520 | 315 | 1.31 |
| 8MPCC-2600 | 325 | 1.32 |
| 8MPCC-2800 | 350 | 1.35 |
| 8MPCC-2840 | 355 | 1.36 |

| Pitch/Length Designation | Number of Teeth | Correction Factor |
|---|---|---|
| 8MPCC-3048 | 381 | 1.38 |
| 8MPCC-3200 | 400 | 1.40 |
| 8MPCC-3280 | 410 | 1.41 |
| 8MPCC-3600 | 450 | 1.45 |
| 8MPCC-4000 | 500 | 1.49 |
| 8MPCC-4400 | 550 | 1.52 |
| 8MPCC-4480 | 560 | 1.53 |

# QT Power Chain® II Carbon Drive Selection

## 8mm Basic Horsepower Tables

### Horsepower Rating for 36mm Wide

| RPM of Faster Shaft | Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter Inches) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 22<br>2.206 | 25<br>2.506 | 28<br>2.807 | 30<br>3.008 | 32<br>3.208 | 33<br>3.308 | 34<br>3.409 | 35<br>3.509 | 36<br>3.609 | 37<br>3.709 | 38<br>3.810 | 39<br>3.910 | 40<br>4.010 | 41<br>4.110 | 42<br>4.211 | 45<br>4.511 | 48<br>4.812 |
| **Slower** | Refer to selection program : http://beltdriveselector.tbwoods.com | | | | | | | | | | | | | | | | |
| 88 | 2.15 | 2.60 | 3.05 | 3.35 | 3.64 | 3.79 | 3.94 | 4.09 | 4.23 | 4.38 | 4.53 | 4.68 | 4.82 | 4.97 | 5.12 | 5.55 | 5.99 |
| 100 | 2.38 | 2.89 | 3.39 | 3.73 | 4.06 | 4.22 | 4.39 | 4.56 | 4.72 | 4.88 | 5.05 | 5.21 | 5.38 | 5.54 | 5.71 | 6.19 | 6.68 |
| 117 | 2.71 | 3.29 | 3.87 | 4.26 | 4.64 | 4.83 | 5.02 | 5.21 | 5.40 | 5.59 | 5.78 | 5.97 | 6.15 | 6.34 | 6.53 | 7.09 | 7.65 |
| 175 | 3.80 | 4.64 | 5.47 | 6.02 | 6.57 | 6.84 | 7.11 | 7.38 | 7.66 | 7.93 | 8.20 | 8.47 | 8.74 | 9.01 | 9.28 | 10.1 | 10.9 |
| 200 | 4.26 | 5.20 | 6.14 | 6.76 | 7.38 | 7.68 | 7.99 | 8.30 | 8.61 | 8.91 | 9.22 | 9.53 | 9.83 | 10.1 | 10.4 | 11.3 | 12.3 |
| 233 | 4.85 | 5.93 | 7.01 | 7.72 | 8.43 | 8.79 | 9.14 | 9.49 | 9.85 | 10.2 | 10.6 | 10.9 | 11.2 | 11.6 | 12.0 | 13.0 | 14.0 |
| 300 | 6.03 | 7.39 | 8.74 | 9.64 | 10.5 | 11.0 | 11.4 | 11.9 | 12.3 | 12.8 | 13.2 | 13.6 | 14.1 | 14.5 | 15.0 | 16.3 | 17.6 |
| 350 | 6.88 | 8.45 | 10.0 | 11.0 | 12.1 | 12.6 | 13.1 | 13.6 | 14.1 | 14.6 | 15.1 | 15.7 | 16.2 | 16.7 | 17.2 | 18.7 | 20.2 |
| 400 | 7.72 | 9.50 | 11.3 | 12.4 | 13.6 | 14.2 | 14.8 | 15.3 | 15.9 | 16.5 | 17.1 | 17.6 | 18.2 | 18.8 | 19.4 | 21.1 | 22.8 |
| 500 | 9.37 | 11.5 | 13.7 | 15.2 | 16.6 | 17.3 | 18.0 | 18.7 | 19.4 | 20.1 | 20.8 | 21.5 | 22.2 | 22.9 | 23.6 | 25.7 | 27.8 |
| 575 | 10.6 | 13.1 | 15.5 | 17.2 | 18.8 | 19.6 | 20.4 | 21.2 | 22.0 | 22.8 | 23.6 | 24.4 | 25.2 | 26.0 | 26.8 | 29.2 | 31.6 |
| 600 | 11.0 | 13.5 | 16.1 | 17.8 | 19.5 | 20.3 | 21.2 | 22.0 | 22.9 | 23.7 | 24.5 | 25.4 | 26.2 | 27.0 | 27.9 | 30.3 | 32.8 |
| 690 | 12.4 | 15.3 | 18.2 | 20.2 | 22.1 | 23.0 | 24.0 | 25.0 | 25.9 | 26.9 | 27.8 | 28.8 | 29.7 | 30.7 | 31.6 | 34.4 | 37.2 |
| 700 | 12.5 | 15.5 | 18.5 | 20.4 | 22.4 | 23.3 | 24.3 | 25.3 | 26.3 | 27.2 | 28.2 | 29.1 | 30.1 | 31.1 | 32.0 | 34.9 | 37.7 |
| 800 | 14.1 | 17.5 | 20.8 | 23.0 | 25.2 | 26.3 | 27.4 | 28.5 | 29.6 | 30.7 | 31.8 | 32.9 | 33.9 | 35.0 | 36.1 | 39.3 | 42.6 |
| 870 | 15.2 | 18.8 | 22.4 | 24.8 | 27.2 | 28.4 | 29.6 | 30.7 | 31.9 | 33.1 | 34.3 | 35.4 | 36.6 | 37.8 | 39.0 | 42.4 | 45.9 |
| 900 | 15.6 | 19.4 | 23.1 | 25.6 | 28.0 | 29.2 | 30.5 | 31.7 | 32.9 | 34.1 | 35.3 | 36.5 | 37.7 | 38.9 | 40.2 | 43.8 | 47.3 |
| 1000 | 17.1 | 21.2 | 25.3 | 28.1 | 30.8 | 32.1 | 33.5 | 34.8 | 36.2 | 37.5 | 38.8 | 40.2 | 41.5 | 42.8 | 44.2 | 48.1 | 52.1 |
| 1160 | 19.5 | 24.2 | 28.9 | 32.0 | 35.1 | 36.7 | 38.2 | 39.8 | 41.3 | 42.8 | 44.4 | 45.9 | 47.4 | 49.0 | 50.5 | 55.0 | 59.6 |
| 1750 | 27.8 | 34.7 | 41.6 | 46.2 | 50.7 | 53.0 | 55.2 | 57.5 | 59.7 | 61.9 | 64.2 | 66.4 | 68.6 | 70.9 | 73.1 | 79.7 | 86.3 |
| 2000 | 31.2 | 39.0 | 46.8 | 52.0 | 57.1 | 59.6 | 62.2 | 64.8 | 67.3 | 69.8 | 72.3 | 74.9 | 77.4 | 79.9 | 82.4 | 89.8 | 97.3 |
| 3000 | 44.2 | 55.6 | 66.9 | 74.3 | 81.7 | 85.4 | 89.1 | 92.8 | 96.4 | 100.1 | 103.7 | 107.4 | 111.0 | 114.6 | 118.2 | 128.9 | 139.5 |
| 3450 | 49.8 | 62.7 | 75.5 | 84.0 | 92.4 | 96.6 | 100.8 | 104.9 | 109.0 | 113.2 | 117.3 | 121.4 | 125.5 | 129.5 | 133.6 | 145.7 | 157.7 |
| 4000 | 56.5 | 71.2 | 85.9 | 95.5 | 105.1 | 109.8 | 114.6 | 119.3 | 124.0 | 128.7 | 133.4 | 138.1 | 142.7 | 147.3 | 152.0 | 165.7 | 179.3 |
| 4500 | 62.3 | 78.7 | 95.0 | 105.7 | 116.3 | 121.6 | 126.9 | 132.1 | 137.3 | 142.5 | 147.7 | 152.8 | 158.0 | 163.0 | 168.2 | 183.2 | 198.2 |
| 5000 | 68.1 | 86.1 | 103.9 | 115.7 | 127.3 | 133.1 | 138.9 | 144.6 | 150.2 | 155.9 | 161.6 | 167.2 | 172.8 | 178.3 | 183.9 | 200.3 | 216.4 |
| 5500 | 73.7 | 93.3 | 112.6 | 125.4 | 138.0 | 144.2 | 150.5 | 156.7 | 162.8 | 168.9 | 175.1 | 181.1 | 187.1 | 193.1 | 199.1 | 216.7 | |

### Horsepower Rating for 62mm Wide

| RPM of Faster Shaft | Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter Inches) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 22<br>2.206 | 25<br>2.506 | 28<br>2.807 | 30<br>3.008 | 32<br>3.208 | 34<br>3.409 | 36<br>3.609 | 38<br>3.810 | 40<br>4.010 | 42<br>4.211 | 45<br>4.511 | 48<br>4.812 |
| **Slower** | Refer to selection program : http://beltdriveselector.tbwoods.com | | | | | | | | | | | |
| 88 | 3.70 | 4.48 | 5.25 | 5.76 | 6.27 | 6.79 | 7.29 | 7.80 | 8.30 | 8.81 | 9.56 | 10.3 |
| 100 | 4.11 | 4.98 | 5.84 | 6.42 | 6.99 | 7.56 | 8.13 | 8.70 | 9.26 | 9.83 | 10.7 | 11.5 |
| 117 | 4.68 | 5.67 | 6.67 | 7.33 | 7.99 | 8.65 | 9.30 | 9.95 | 10.6 | 11.2 | 12.2 | 13.2 |
| 175 | 6.55 | 7.99 | 9.42 | 10.4 | 11.3 | 12.3 | 13.2 | 14.1 | 15.1 | 16.0 | 17.4 | 18.8 |
| 200 | 7.34 | 8.96 | 10.6 | 11.6 | 12.7 | 13.8 | 14.8 | 15.9 | 16.9 | 18.0 | 19.5 | 21.1 |
| 233 | 8.36 | 10.2 | 12.1 | 13.3 | 14.5 | 15.7 | 17.0 | 18.2 | 19.4 | 20.6 | 22.4 | 24.2 |
| 300 | 10.4 | 12.7 | 15.1 | 16.6 | 18.1 | 19.7 | 21.2 | 22.7 | 24.3 | 25.8 | 28.0 | 30.3 |
| 350 | 11.9 | 14.6 | 17.2 | 19.0 | 20.8 | 22.6 | 24.3 | 26.1 | 27.8 | 29.6 | 32.2 | 34.8 |
| 400 | 13.3 | 16.4 | 19.4 | 21.4 | 23.4 | 25.4 | 27.4 | 29.4 | 31.4 | 33.3 | 36.3 | 39.2 |
| 500 | 16.1 | 19.9 | 23.6 | 26.1 | 28.5 | 31.0 | 33.4 | 35.9 | 38.3 | 40.7 | 44.3 | 47.9 |
| 575 | 18.2 | 22.5 | 26.7 | 29.5 | 32.3 | 35.1 | 37.9 | 40.7 | 43.4 | 46.2 | 50.3 | 54.4 |
| 600 | 18.9 | 23.3 | 27.8 | 30.7 | 33.6 | 36.5 | 39.4 | 42.3 | 45.1 | 48.0 | 52.3 | 56.5 |
| 690 | 21.3 | 26.4 | 31.4 | 34.7 | 38.0 | 41.4 | 44.6 | 47.9 | 51.2 | 54.4 | 59.3 | 64.1 |
| 700 | 21.6 | 26.7 | 31.8 | 35.2 | 38.5 | 41.9 | 45.2 | 48.5 | 51.8 | 55.1 | 60.1 | 65.0 |
| 800 | 24.3 | 30.1 | 35.8 | 39.6 | 43.4 | 47.2 | 51.0 | 54.7 | 58.5 | 62.2 | 67.8 | 73.3 |
| 870 | 26.1 | 32.4 | 38.6 | 42.7 | 46.8 | 50.9 | 55.0 | 59.0 | 63.0 | 67.1 | 73.1 | 79.1 |
| 900 | 26.9 | 33.3 | 39.8 | 44.0 | 48.2 | 52.5 | 56.7 | 60.8 | 65.0 | 69.2 | 75.4 | 81.5 |
| 1000 | 29.5 | 36.6 | 43.7 | 48.3 | 53.0 | 57.7 | 62.3 | 66.9 | 71.5 | 76.1 | 82.9 | 89.7 |
| 1160 | 33.5 | 41.7 | 49.8 | 55.2 | 60.5 | 65.9 | 71.1 | 76.4 | 81.7 | 87.0 | 94.8 | 102.6 |
| 1750 | 47.9 | 59.8 | 71.7 | 79.5 | 87.3 | 95.1 | 102.8 | 110.6 | 118.2 | 125.9 | 137.3 | 148.6 |
| 2000 | 53.7 | 67.2 | 80.6 | 89.5 | 98.3 | 107.2 | 115.9 | 124.6 | 133.2 | 141.9 | 154.7 | 167.6 |
| 3000 | 76.1 | 95.7 | 115.2 | 128.0 | 140.8 | 153.5 | 166.1 | 178.7 | 191.1 | 203.6 | 222.0 | 240.3 |
| 3450 | 85.8 | 108.0 | 130.1 | 144.7 | 159.1 | 173.6 | 187.8 | 202.0 | 216.1 | 230.2 | 251.0 | 271.6 |
| 4000 | 97.2 | 122.7 | 147.9 | 164.5 | 181.0 | 197.4 | 213.7 | 229.8 | 245.8 | 261.8 | 285.3 | 308.7 |
| 4500 | 107.4 | 135.6 | 163.6 | 182.1 | 200.4 | 218.6 | 236.5 | 254.4 | 272.1 | 289.6 | 315.6 | 341.3 |
| 5000 | 117.3 | 148.3 | 179.0 | 199.3 | 219.3 | 239.2 | 258.8 | 278.3 | 297.5 | 316.7 | 344.9 | 372.8 |
| 5500 | 126.9 | 160.6 | 194.0 | 216.0 | 237.7 | 259.2 | 280.4 | 301.5 | 322.3 | 342.9 | 373.2 | |

Use this sprocket only if required to obtain speed ratio or to meet diameter limitations. See Engineering Section for details.

### QT Power Chain® II Carbon Belt Length Correction Factor Table

| Pitch/Length Designation | Number of Teeth | Correction Factor |
|---|---|---|
| 8MPCC-640 | 80 | 0.79 |
| 8MPCC-720 | 90 | 0.83 |
| 8MPCC-800 | 100 | 0.87 |
| 8MPCC-896 | 112 | 0.91 |
| 8MPCC-960 | 120 | 0.94 |
| 8MPCC-1000 | 125 | 0.96 |
| 8MPCC-1040 | 130 | 0.97 |
| 8MPCC-1120 | 140 | 1.00t |

| Pitch/Length Designation | Number of Teeth | Correction Factor |
|---|---|---|
| 8MPCC-1200 | 150 | 1.03 |
| 8MPCC-1224 | 153 | 1.03 |
| 8MPCC-1280 | 160 | 1.05 |
| 8MPCC-1440 | 180 | 1.10 |
| 8MPCC-1600 | 200 | 1.14 |
| 8MPCC-1760 | 220 | 1.17 |
| 8MPCC-1792 | 224 | 1.18 |
| 8MPCC-2000 | 250 | 1.22 |

# 8mm Basic Horsepower Tables

## Horsepower Rating for 36mm Wide

| Pitch Diameter | | | | | | | | | Additional Horsepower per belt for Speed Ratio of Speed-Down Drives | | | | | | | | | RPM of Faster Shaft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 | 53 | 56 | 60 | 63 | 67 | 71 | 75 | 80 | 1.00 to | 1.03 to | 1.06 to | 1.11 to | 1.16 to | 1.22 to | 1.31 to | 1.44 to | 1.65 to | 2.16 & |
| 5.013 | 5.314 | 5.614 | 6.015 | 6.316 | 6.717 | 7.118 | 7.519 | 8.020 | 1.02 | 1.05 | 1.10 | 1.15 | 1.21 | 1.30 | 1.43 | 1.64 | 2.15 | Over | |
| Refer to selection program : http://beltdriveselector.tbwoods.com | | | | | | | | | | | | | | | | | | Slower |
| 6.28 | 6.71 | 7.14 | 7.72 | 8.15 | 8.72 | 9.29 | 9.86 | 10.6 | 0.00 | 0.02 | 0.04 | 0.06 | 0.08 | 0.11 | 0.13 | 0.15 | 0.17 | 0.19 | 88 |
| 7.01 | 7.49 | 7.98 | 8.62 | 9.10 | 9.74 | 10.4 | 11.0 | 11.8 | 0.00 | 0.02 | 0.05 | 0.07 | 0.10 | 0.12 | 0.14 | 0.17 | 0.19 | 0.21 | 100 |
| 8.03 | 8.59 | 9.14 | 9.88 | 10.4 | 11.2 | 11.9 | 12.6 | 13.5 | 0.00 | 0.03 | 0.06 | 0.08 | 0.11 | 0.14 | 0.17 | 0.20 | 0.22 | 0.25 | 117 |
| 11.4 | 12.2 | 13.0 | 14.1 | 14.9 | 15.9 | 17.0 | 18.0 | 19.3 | 0.00 | 0.04 | 0.08 | 0.13 | 0.17 | 0.21 | 0.25 | 0.29 | 0.33 | 0.38 | 175 |
| 12.9 | 13.8 | 14.7 | 15.8 | 16.7 | 17.9 | 19.1 | 20.3 | 21.7 | 0.00 | 0.05 | 0.10 | 0.14 | 0.19 | 0.24 | 0.29 | 0.33 | 0.38 | 0.43 | 200 |
| 14.7 | 15.8 | 16.8 | 18.2 | 19.2 | 20.5 | 21.9 | 23.3 | 24.9 | 0.00 | 0.06 | 0.11 | 0.17 | 0.22 | 0.28 | 0.33 | 0.39 | 0.45 | 0.50 | 233 |
| 18.5 | 19.8 | 21.1 | 22.8 | 24.1 | 25.8 | 27.5 | 29.2 | 31.3 | 0.00 | 0.07 | 0.14 | 0.22 | 0.29 | 0.36 | 0.43 | 0.50 | 0.57 | 0.64 | 300 |
| 21.2 | 22.7 | 24.2 | 26.2 | 27.7 | 29.6 | 31.6 | 33.5 | 36.0 | 0.00 | 0.08 | 0.17 | 0.25 | 0.33 | 0.42 | 0.50 | 0.58 | 0.67 | 0.75 | 350 |
| 23.9 | 25.6 | 27.3 | 29.5 | 31.2 | 33.4 | 35.6 | 37.8 | 40.6 | 0.00 | 0.10 | 0.19 | 0.29 | 0.38 | 0.48 | 0.57 | 0.67 | 0.76 | 0.86 | 400 |
| 29.2 | 31.3 | 33.4 | 36.1 | 38.2 | 40.9 | 43.6 | 46.3 | 49.7 | 0.00 | 0.12 | 0.24 | 0.36 | 0.48 | 0.60 | 0.72 | 0.84 | 0.96 | 1.07 | 500 |
| 33.2 | 35.5 | 37.9 | 41.0 | 43.3 | 46.4 | 49.5 | 52.6 | 56.4 | 0.00 | 0.14 | 0.27 | 0.41 | 0.55 | 0.69 | 0.82 | 0.96 | 1.10 | 1.24 | 575 |
| 34.5 | 36.9 | 39.4 | 42.6 | 45.0 | 48.3 | 51.5 | 54.7 | 58.6 | 0.00 | 0.14 | 0.29 | 0.43 | 0.57 | 0.72 | 0.86 | 1.00 | 1.15 | 1.29 | 600 |
| 39.1 | 41.9 | 44.7 | 48.4 | 51.1 | 54.8 | 58.4 | 62.1 | 66.6 | 0.00 | 0.17 | 0.33 | 0.49 | 0.66 | 0.82 | 0.99 | 1.15 | 1.32 | 1.48 | 690 |
| 39.6 | 42.4 | 45.3 | 49.0 | 51.8 | 55.5 | 59.2 | 62.9 | 67.4 | 0.00 | 0.17 | 0.33 | 0.50 | 0.67 | 0.84 | 1.00 | 1.17 | 1.34 | 1.50 | 700 |
| 44.7 | 47.9 | 51.1 | 55.3 | 58.5 | 62.7 | 66.8 | 71.0 | 76.1 | 0.00 | 0.19 | 0.38 | 0.57 | 0.76 | 0.95 | 1.15 | 1.34 | 1.53 | 1.72 | 800 |
| 48.2 | 51.7 | 55.1 | 59.7 | 63.1 | 67.6 | 72.1 | 76.6 | 82.2 | 0.00 | 0.21 | 0.41 | 0.62 | 0.83 | 1.04 | 1.25 | 1.45 | 1.66 | 1.87 | 870 |
| 49.7 | 53.3 | 56.8 | 61.5 | 65.1 | 69.7 | 74.4 | 79.0 | 84.7 | 0.00 | 0.22 | 0.43 | 0.65 | 0.86 | 1.07 | 1.29 | 1.50 | 1.72 | 1.93 | 900 |
| 54.7 | 58.6 | 62.5 | 67.7 | 71.6 | 76.7 | 81.8 | 86.9 | 93.2 | 0.00 | 0.24 | 0.48 | 0.72 | 0.95 | 1.19 | 1.43 | 1.67 | 1.91 | 2.15 | 1000 |
| 62.6 | 67.1 | 71.5 | 77.5 | 81.9 | 87.8 | 93.6 | 99.4 | 106.7 | 0.00 | 0.28 | 0.55 | 0.83 | 1.11 | 1.38 | 1.66 | 1.94 | 2.22 | 2.49 | 1160 |
| 90.7 | 97.2 | 103.7 | 112.3 | 118.7 | 127.2 | 135.7 | 144.0 | 154.5 | 0.00 | 0.42 | 0.83 | 1.25 | 1.67 | 2.09 | 2.51 | 2.92 | 3.34 | 3.76 | 1750 |
| 102.2 | 109.6 | 116.9 | 126.6 | 133.8 | 143.4 | 152.9 | 162.3 | 174.0 | 0.00 | 0.48 | 0.95 | 1.43 | 1.91 | 2.39 | 2.86 | 3.34 | 3.82 | 4.30 | 2000 |
| 146.6 | 157.1 | 167.5 | 181.2 | 191.4 | 204.9 | 218.2 | 231.4 | 247.6 | 0.00 | 0.72 | 1.43 | 2.15 | 2.86 | 3.58 | 4.30 | 5.01 | 5.73 | 6.44 | 3000 |
| 165.7 | 177.5 | 189.1 | 204.5 | 216.0 | 231.0 | 245.8 | | | 0.00 | 0.83 | 1.65 | 2.47 | 3.29 | 4.12 | 4.94 | 5.76 | 6.59 | 7.41 | 3450 |
| 188.2 | 201.5 | 214.7 | 231.9 | | | | | | 0.00 | 0.96 | 1.91 | 2.87 | 3.82 | 4.77 | 5.73 | 6.68 | 7.64 | 8.59 | 4000 |
| 208.0 | 222.6 | | | | | | | | 0.00 | 1.08 | 2.15 | 3.23 | 4.30 | 5.37 | 6.45 | 7.52 | 8.60 | 9.67 | 4500 |
| 227.1 | | | | | | | | | 0.00 | 1.20 | 2.38 | 3.58 | 4.77 | 5.97 | 7.16 | 8.35 | 9.55 | 10.7 | 5000 |
| | | | | | | | | | 0.00 | 1.32 | 2.62 | 3.94 | 5.25 | 6.56 | 7.88 | 9.19 | 10.5 | 11.8 | 5500 |

## Horsepower Rating for 62mm Wide

| Pitch Diameter | | | | | | | | | Additional Horsepower per belt for Speed Ratio of Speed-Down Drives | | | | | | | | | RPM of Faster Shaft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 | 53 | 56 | 60 | 63 | 67 | 71 | 75 | 80 | 1.00 to | 1.03 to | 1.06 to | 1.11 to | 1.16 to | 1.22 to | 1.31 to | 1.44 to | 1.65 to | 2.16 & |
| 5.013 | 5.314 | 5.614 | 6.015 | 6.316 | 6.717 | 7.118 | 7.519 | 8.020 | 1.02 | 1.05 | 1.10 | 1.15 | 1.21 | 1.30 | 1.43 | 1.64 | 2.15 | Over | |
| Refer to selection program : http://beltdriveselector.tbwoods.com | | | | | | | | | | | | | | | | | | Slower |
| 10.8 | 11.6 | 12.3 | 13.3 | 14.0 | 15.0 | 16.0 | 17.0 | 18.2 | 0.00 | 0.04 | 0.07 | 0.11 | 0.14 | 0.18 | 0.22 | 0.25 | 0.29 | 0.33 | 88 |
| 12.1 | 12.9 | 13.7 | 14.8 | 15.7 | 16.8 | 17.9 | 19.0 | 20.3 | 0.00 | 0.04 | 0.08 | 0.12 | 0.16 | 0.21 | 0.25 | 0.29 | 0.33 | 0.37 | 100 |
| 13.8 | 14.8 | 15.7 | 17.0 | 18.0 | 19.2 | 20.5 | 21.7 | 23.3 | 0.00 | 0.05 | 0.10 | 0.14 | 0.19 | 0.24 | 0.29 | 0.34 | 0.38 | 0.43 | 117 |
| 19.7 | 21.1 | 22.4 | 24.2 | 25.6 | 27.4 | 29.2 | 31.0 | 33.3 | 0.00 | 0.07 | 0.14 | 0.22 | 0.29 | 0.36 | 0.43 | 0.50 | 0.58 | 0.65 | 175 |
| 22.1 | 23.7 | 25.2 | 27.3 | 28.8 | 30.9 | 32.9 | 34.9 | 37.5 | 0.00 | 0.08 | 0.16 | 0.25 | 0.33 | 0.41 | 0.49 | 0.58 | 0.66 | 0.74 | 200 |
| 25.4 | 27.1 | 28.9 | 31.3 | 33.0 | 35.4 | 37.7 | 40.0 | 42.9 | 0.00 | 0.10 | 0.19 | 0.29 | 0.38 | 0.48 | 0.57 | 0.67 | 0.77 | 0.86 | 233 |
| 31.8 | 34.0 | 36.3 | 39.2 | 41.5 | 44.4 | 47.3 | 50.3 | 53.9 | 0.00 | 0.12 | 0.25 | 0.37 | 0.49 | 0.62 | 0.74 | 0.86 | 0.99 | 1.11 | 300 |
| 36.5 | 39.1 | 41.7 | 45.1 | 47.6 | 51.0 | 54.4 | 57.8 | 62.0 | 0.00 | 0.14 | 0.29 | 0.43 | 0.58 | 0.72 | 0.86 | 1.01 | 1.15 | 1.29 | 350 |
| 41.2 | 44.1 | 47.0 | 50.8 | 53.7 | 57.6 | 61.4 | 65.2 | 69.9 | 0.00 | 0.16 | 0.33 | 0.49 | 0.66 | 0.82 | 0.99 | 1.15 | 1.32 | 1.48 | 400 |
| 50.3 | 53.9 | 57.5 | 62.2 | 65.7 | 70.4 | 75.1 | 79.8 | 85.6 | 0.00 | 0.21 | 0.41 | 0.62 | 0.82 | 1.03 | 1.23 | 1.44 | 1.64 | 1.85 | 500 |
| 57.1 | 61.2 | 65.2 | 70.6 | 74.6 | 80.0 | 85.3 | 90.6 | 97.2 | 0.00 | 0.24 | 0.47 | 0.71 | 0.95 | 1.18 | 1.42 | 1.65 | 1.89 | 2.13 | 575 |
| 59.4 | 63.6 | 67.8 | 73.4 | 77.6 | 83.1 | 88.6 | 94.1 | 101.0 | 0.00 | 0.25 | 0.49 | 0.74 | 0.99 | 1.23 | 1.48 | 1.73 | 1.97 | 2.22 | 600 |
| 67.3 | 72.2 | 76.9 | 83.3 | 88.0 | 94.3 | 100.6 | 106.9 | 114.7 | 0.00 | 0.28 | 0.57 | 0.85 | 1.13 | 1.42 | 1.70 | 1.99 | 2.27 | 2.55 | 690 |
| 68.2 | 73.1 | 77.9 | 84.4 | 89.2 | 95.6 | 101.9 | 108.3 | 116.2 | 0.00 | 0.29 | 0.57 | 0.86 | 1.15 | 1.44 | 1.73 | 2.01 | 2.30 | 2.59 | 700 |
| 77.0 | 82.5 | 88.0 | 95.2 | 100.7 | 107.9 | 115.1 | 122.3 | 131.2 | 0.00 | 0.33 | 0.66 | 0.99 | 1.32 | 1.64 | 1.97 | 2.30 | 2.63 | 2.96 | 800 |
| 83.1 | 89.0 | 94.9 | 102.8 | 108.7 | 116.4 | 124.2 | 131.9 | 141.5 | 0.00 | 0.36 | 0.71 | 1.07 | 1.43 | 1.79 | 2.15 | 2.50 | 2.86 | 3.22 | 870 |
| 85.7 | 91.8 | 97.9 | 106.0 | 112.0 | 120.1 | 128.1 | 136.1 | 146.0 | 0.00 | 0.37 | 0.74 | 1.11 | 1.48 | 1.85 | 2.22 | 2.59 | 2.96 | 3.33 | 900 |
| 94.2 | 101.0 | 107.7 | 116.6 | 123.3 | 132.1 | 140.9 | 149.7 | 160.6 | 0.00 | 0.41 | 0.82 | 1.23 | 1.64 | 2.06 | 2.47 | 2.88 | 3.29 | 3.70 | 1000 |
| 107.8 | 115.5 | 123.2 | 133.4 | 141.0 | 151.2 | 161.2 | 171.3 | 183.7 | 0.00 | 0.48 | 0.95 | 1.43 | 1.91 | 2.38 | 2.86 | 3.34 | 3.82 | 4.29 | 1160 |
| 156.2 | 167.4 | 178.6 | 193.4 | 204.4 | 219.1 | 233.6 | 248.1 | 266.0 | 0.00 | 0.72 | 1.44 | 2.16 | 2.88 | 3.60 | 4.32 | 5.04 | 5.76 | 6.47 | 1750 |
| 176.1 | 188.7 | 201.3 | 218.0 | 230.4 | 246.9 | 263.3 | 279.5 | 299.6 | 0.00 | 0.82 | 1.64 | 2.47 | 3.29 | 4.11 | 4.93 | 5.75 | 6.58 | 7.40 | 2000 |
| 252.5 | 270.6 | 288.5 | 312.1 | 329.7 | 352.9 | 375.8 | 398.5 | 426.4 | 0.00 | 1.24 | 2.46 | 3.70 | 4.93 | 6.17 | 7.40 | 8.63 | 9.87 | 11.1 | 3000 |
| 285.3 | 305.7 | 325.8 | 352.3 | 372.0 | 397.8 | 423.3 | | | 0.00 | 1.42 | 2.83 | 4.26 | 5.67 | 7.09 | 8.51 | 9.93 | 11.3 | 12.8 | 3450 |
| 324.2 | 347.1 | 369.7 | 399.5 | | | | | | 0.00 | 1.65 | 3.29 | 4.94 | 6.58 | 8.22 | 9.87 | 11.5 | 13.2 | 14.8 | 4000 |
| 358.3 | 383.4 | | | | | | | | 0.00 | 1.85 | 3.70 | 5.56 | 7.40 | 9.25 | 11.1 | 12.9 | 14.8 | 16.6 | 4500 |
| 391.1 | | | | | | | | | 0.00 | 2.06 | 4.11 | 6.17 | 8.22 | 10.3 | 12.3 | 14.4 | 16.4 | 18.5 | 5000 |
| | | | | | | | | | 0.00 | 2.27 | 4.52 | 6.79 | 9.04 | 11.3 | 13.6 | 15.8 | 18.1 | 20.3 | 5500 |

## QT Power Chain® II Carbon Belt Length Correction Factor Table

| Pitch/Length Designation | Number of Teeth | Correction Factor |
|---|---|---|
| 8MPCC-2200 | 275 | 1.26 |
| 8MPCC-2240 | 280 | 1.26 |
| 8MPCC-2400 | 300 | 1.29 |
| 8MPCC-2520 | 315 | 1.31 |
| 8MPCC-2600 | 325 | 1.32 |
| 8MPCC-2800 | 350 | 1.35 |
| 8MPCC-2840 | 355 | 1.36 |

| Pitch/Length Designation | Number of Teeth | Correction Factor |
|---|---|---|
| 8MPCC-3048 | 381 | 1.38 |
| 8MPCC-3200 | 400 | 1.40 |
| 8MPCC-3280 | 410 | 1.41 |
| 8MPCC-3600 | 450 | 1.45 |
| 8MPCC-4000 | 500 | 1.49 |
| 8MPCC-4400 | 550 | 1.52 |
| 8MPCC-4480 | 560 | 1.53 |

# QT Power Chain® II Carbon Drive Selection

## 14mm Basic Horsepower Tables

### Horsepower Rating for 20mm Wide

| RPM of Faster Shaft | Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter Inches) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 43 | 45 | 48 | 50 | 53 |
| | 4.912 | 5.088 | 5.263 | 5.439 | 5.614 | 5.790 | 5.965 | 6.141 | 6.316 | 6.492 | 6.667 | 6.842 | 7.018 | 7.544 | 7.895 | 8.421 | 8.772 | 9.299 |
| **Slower** | Refer to selection program : http://beltdriveselector.tbwoods.com | | | | | | | | | | | | | | | | | |
| 88 | 5.72 | 5.96 | 6.20 | 6.44 | 6.68 | 6.92 | 7.15 | 7.39 | 7.63 | 7.87 | 8.10 | 8.34 | 8.57 | 9.27 | 9.74 | 10.4 | 10.9 | 11.6 |
| 100 | 6.35 | 6.62 | 6.88 | 7.15 | 7.42 | 7.68 | 7.95 | 8.22 | 8.48 | 8.74 | 9.01 | 9.27 | 9.53 | 10.3 | 10.8 | 11.6 | 12.1 | 12.9 |
| 117 | 7.23 | 7.54 | 7.84 | 8.15 | 8.45 | 8.76 | 9.06 | 9.36 | 9.66 | 10.0 | 10.3 | 10.6 | 10.9 | 11.8 | 12.4 | 13.2 | 13.8 | 14.7 |
| 175 | 10.1 | 10.6 | 11.0 | 11.4 | 11.9 | 12.3 | 12.7 | 13.1 | 13.6 | 14.0 | 14.4 | 14.8 | 15.3 | 16.5 | 17.4 | 18.6 | 19.5 | 20.7 |
| 200 | 11.3 | 11.8 | 12.3 | 12.8 | 13.3 | 13.8 | 14.2 | 14.7 | 15.2 | 15.7 | 16.2 | 16.6 | 17.1 | 18.5 | 19.5 | 20.9 | 21.8 | 23.2 |
| 233 | 12.9 | 13.5 | 14.0 | 14.6 | 15.1 | 15.7 | 16.2 | 16.8 | 17.3 | 17.9 | 18.4 | 19.0 | 19.5 | 21.1 | 22.2 | 23.8 | 24.9 | 26.5 |
| 300 | 16.0 | 16.7 | 17.4 | 18.1 | 18.8 | 19.5 | 20.1 | 20.8 | 21.5 | 22.2 | 22.9 | 23.6 | 24.2 | 26.3 | 27.6 | 29.6 | 30.9 | 32.9 |
| 350 | 18.2 | 19.0 | 19.8 | 20.6 | 21.4 | 22.2 | 23.0 | 23.8 | 24.6 | 25.4 | 26.1 | 26.9 | 27.7 | 30.0 | 31.5 | 33.8 | 35.3 | 37.6 |
| 400 | 20.5 | 21.4 | 22.2 | 23.1 | 24.0 | 24.9 | 25.8 | 26.7 | 27.6 | 28.4 | 29.3 | 30.2 | 31.1 | 33.7 | 35.4 | 38.0 | 39.7 | 42.2 |
| 500 | 24.8 | 25.9 | 26.9 | 28.0 | 29.1 | 30.2 | 31.3 | 32.4 | 33.4 | 34.5 | 35.6 | 36.6 | 37.7 | 40.8 | 42.9 | 46.1 | 48.1 | 51.2 |
| 575 | 27.9 | 29.2 | 30.4 | 31.6 | 32.8 | 34.1 | 35.3 | 36.5 | 37.7 | 38.9 | 40.1 | 41.3 | 42.5 | 46.1 | 48.5 | 52.0 | 54.3 | 57.8 |
| 600 | 29.0 | 30.2 | 31.5 | 32.8 | 34.1 | 35.3 | 36.6 | 37.9 | 39.1 | 40.4 | 41.6 | 42.9 | 44.1 | 47.8 | 50.3 | 53.9 | 56.4 | 60.0 |
| 690 | 32.6 | 34.1 | 35.5 | 37.0 | 38.4 | 39.9 | 41.3 | 42.7 | 44.1 | 45.6 | 47.0 | 48.4 | 49.8 | 54.0 | 56.7 | 60.9 | 63.6 | 67.7 |
| 700 | 33.0 | 34.5 | 36.0 | 37.4 | 38.9 | 40.4 | 41.8 | 43.3 | 44.7 | 46.1 | 47.6 | 49.0 | 50.4 | 54.6 | 57.5 | 61.7 | 64.4 | 68.6 |
| 800 | 37.0 | 38.7 | 40.4 | 42.0 | 43.6 | 45.3 | 46.9 | 48.5 | 50.1 | 51.8 | 53.4 | 55.0 | 56.6 | 61.3 | 64.5 | 69.2 | 72.3 | 77.0 |
| 870 | 39.8 | 41.6 | 43.4 | 45.1 | 46.9 | 48.7 | 50.4 | 52.2 | 53.9 | 55.6 | 57.4 | 59.1 | 60.8 | 65.9 | 69.3 | 74.4 | 77.8 | 82.8 |
| 900 | 41.0 | 42.8 | 44.6 | 46.5 | 48.3 | 50.1 | 51.9 | 53.7 | 55.5 | 57.3 | 59.1 | 60.8 | 62.6 | 67.9 | 71.4 | 76.6 | 80.1 | 85.2 |
| 1000 | 44.8 | 46.9 | 48.9 | 50.9 | 52.9 | 54.8 | 56.8 | 58.8 | 60.8 | 62.7 | 64.7 | 66.6 | 68.6 | 74.4 | 78.2 | 83.9 | 87.7 | 93.3 |
| 1160 | 50.9 | 53.2 | 55.5 | 57.8 | 60.0 | 62.3 | 64.5 | 66.8 | 69.0 | 71.3 | 73.5 | 75.7 | 77.9 | 84.5 | 88.8 | 95.3 | 99.6 | 106.0 |
| 1750 | 72.1 | 75.4 | 78.6 | 81.9 | 85.1 | 88.4 | 91.6 | 94.8 | 97.9 | 101.1 | 104.3 | 107.4 | 110.5 | 119.8 | 126.0 | 135.1 | 141.1 | 150.0 |
| 2000 | 80.6 | 84.3 | 88.0 | 91.6 | 95.2 | 98.8 | 102.4 | 106.0 | 109.6 | 113.1 | 116.6 | 120.1 | 123.6 | 134.0 | 140.8 | 150.9 | 157.6 | 167.5 |
| 3000 | 112.6 | 117.8 | 122.9 | 127.9 | 133.0 | 138.0 | 142.9 | 147.9 | 152.8 | 157.6 | 162.5 | 167.2 | 172.0 | 186.1 | 195.3 | | | |
| 3450 | 126.0 | 131.7 | 137.4 | 143.0 | 148.6 | 154.2 | 159.7 | 165.2 | 170.6 | 175.9 | 181.2 | 186.5 | 191.7 | | | | | |
| 4000 | 141.4 | 147.9 | 154.2 | 160.5 | 166.7 | 172.8 | 178.9 | 185.0 | 190.9 | | | | | | | | | |

### Horsepower Rating for 37mm Wide

| RPM of Faster Shaft | Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter Inches) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 43 | 45 | 48 | 50 | 53 |
| | 4.912 | 5.088 | 5.263 | 5.439 | 5.614 | 5.790 | 5.965 | 6.141 | 6.316 | 6.492 | 6.667 | 6.842 | 7.018 | 7.544 | 7.895 | 8.421 | 8.772 | 9.299 |
| **Slower** | Refer to selection program : http://beltdriveselector.tbwoods.com | | | | | | | | | | | | | | | | | |
| 88 | 10.6 | 11.0 | 11.5 | 11.9 | 12.4 | 12.8 | 13.2 | 13.7 | 14.1 | 14.6 | 15.0 | 15.4 | 15.9 | 17.2 | 18.0 | 19.3 | 20.2 | 21.4 |
| 100 | 11.7 | 12.2 | 12.7 | 13.2 | 13.7 | 14.2 | 14.7 | 15.2 | 15.7 | 16.2 | 16.7 | 17.1 | 17.6 | 19.1 | 20.0 | 21.5 | 22.4 | 23.9 |
| 117 | 13.4 | 13.9 | 14.5 | 15.1 | 15.6 | 16.2 | 16.8 | 17.3 | 17.9 | 18.4 | 19.0 | 19.5 | 20.1 | 21.8 | 22.9 | 24.5 | 25.6 | 27.2 |
| 175 | 18.7 | 19.5 | 20.3 | 21.1 | 21.9 | 22.7 | 23.5 | 24.3 | 25.1 | 25.9 | 26.7 | 27.5 | 28.2 | 30.6 | 32.1 | 34.5 | 36.0 | 38.3 |
| 200 | 21.0 | 21.9 | 22.8 | 23.7 | 24.6 | 25.5 | 26.3 | 27.2 | 28.1 | 29.0 | 29.9 | 30.8 | 31.7 | 34.3 | 36.0 | 38.6 | 40.3 | 42.9 |
| 233 | 23.9 | 24.9 | 25.9 | 27.0 | 28.0 | 29.0 | 30.0 | 31.0 | 32.0 | 33.1 | 34.1 | 35.1 | 36.1 | 39.1 | 41.1 | 44.0 | 46.0 | 48.9 |
| 300 | 29.6 | 30.9 | 32.2 | 33.5 | 34.7 | 36.0 | 37.3 | 38.5 | 39.8 | 41.1 | 42.3 | 43.6 | 44.8 | 48.6 | 51.0 | 54.7 | 57.2 | 60.9 |
| 350 | 33.8 | 35.2 | 36.7 | 38.2 | 39.6 | 41.1 | 42.6 | 44.0 | 45.4 | 46.9 | 48.3 | 49.8 | 51.2 | 55.5 | 58.3 | 62.5 | 65.4 | 69.6 |
| 400 | 37.8 | 39.5 | 41.2 | 42.8 | 44.5 | 46.1 | 47.7 | 49.4 | 51.0 | 52.6 | 54.2 | 55.8 | 57.5 | 62.3 | 65.5 | 70.2 | 73.4 | 78.1 |
| 500 | 45.8 | 47.8 | 49.9 | 51.9 | 53.9 | 55.9 | 57.9 | 59.9 | 61.8 | 63.8 | 65.8 | 67.7 | 69.7 | 75.5 | 79.4 | 85.2 | 89.0 | 94.8 |
| 575 | 51.6 | 53.9 | 56.2 | 58.5 | 60.8 | 63.0 | 65.3 | 67.5 | 69.8 | 72.0 | 74.2 | 76.4 | 78.7 | 85.3 | 89.6 | 96.2 | 100.5 | 107.0 |
| 600 | 53.6 | 55.9 | 58.3 | 60.7 | 63.0 | 65.4 | 67.7 | 70.0 | 72.4 | 74.7 | 77.0 | 79.3 | 81.6 | 88.5 | 93.0 | 99.8 | 104.3 | 111.0 |
| 690 | 60.4 | 63.1 | 65.8 | 68.4 | 71.1 | 73.7 | 76.4 | 79.0 | 81.6 | 84.3 | 86.9 | 89.5 | 92.1 | 99.8 | 105.0 | 112.6 | 117.7 | 125.3 |
| 700 | 61.1 | 63.9 | 66.6 | 69.3 | 72.0 | 74.7 | 77.3 | 80.0 | 82.7 | 85.3 | 88.0 | 90.6 | 93.2 | 101.1 | 106.3 | 114.1 | 119.2 | 126.9 |
| 800 | 68.5 | 71.6 | 74.7 | 77.7 | 80.7 | 83.8 | 86.8 | 89.8 | 92.8 | 95.8 | 98.7 | 101.7 | 104.7 | 113.5 | 119.3 | 128.0 | 133.8 | 142.4 |
| 870 | 73.6 | 76.9 | 80.2 | 83.5 | 86.8 | 90.0 | 93.3 | 96.5 | 99.7 | 102.9 | 106.1 | 109.3 | 112.5 | 122.0 | 128.3 | 137.6 | 143.9 | 153.1 |
| 900 | 75.8 | 79.2 | 82.6 | 86.0 | 89.3 | 92.7 | 96.0 | 99.4 | 102.7 | 106.0 | 109.3 | 112.6 | 115.8 | 125.6 | 132.1 | 141.7 | 148.1 | 157.7 |
| 1000 | 82.9 | 86.7 | 90.4 | 94.1 | 97.8 | 101.5 | 105.1 | 108.8 | 112.4 | 116.0 | 119.7 | 123.2 | 126.8 | 137.6 | 144.7 | 155.2 | 162.2 | 172.6 |
| 1160 | 94.1 | 98.4 | 102.6 | 106.8 | 111.0 | 115.2 | 119.4 | 123.5 | 127.7 | 131.8 | 135.9 | 140.0 | 144.1 | 156.3 | 164.3 | 176.3 | 184.2 | 196.1 |
| 1750 | 133.4 | 139.4 | 145.5 | 151.5 | 157.5 | 163.5 | 169.4 | 175.3 | 181.2 | 187.0 | 192.9 | 198.7 | 204.5 | 221.7 | 233.0 | 249.9 | 261.0 | 277.6 |
| 2000 | 149.2 | 156.0 | 162.7 | 169.5 | 176.2 | 182.9 | 189.5 | 196.1 | 202.7 | 209.2 | 215.7 | 222.2 | 228.7 | 247.9 | 260.5 | 279.2 | 291.6 | 309.9 |
| 3000 | 208.3 | 217.9 | 227.3 | 236.7 | 246.0 | 255.3 | 264.4 | 273.6 | 282.6 | 291.6 | 300.5 | 309.4 | 318.2 | 344.2 | 361.2 | | | |
| 3450 | 233.0 | 243.7 | 254.2 | 264.6 | 275.0 | 285.3 | 295.4 | 305.5 | 315.5 | 325.5 | 335.3 | 345.0 | 354.7 | | | | | |
| 4000 | 261.7 | 273.5 | 285.2 | 296.9 | 308.3 | 319.8 | 331.0 | 342.2 | 353.2 | | | | | | | | | |

### QT Power Chain® II Carbon Belt Length Correction Factor Table

| Pitch/Length Designation | Number of Teeth | Correction Factor | Pitch/Length Designation | Number of Teeth | Correction Factor |
|---|---|---|---|---|---|
| 14MPCC-994 | 71 | 0.68 | 14MPCC-2450 | 175 | 1.02 |
| 14MPCC-1120 | 80 | 0.73 | 14MPCC-2520 | 180 | 1.03 |
| 14MPCC-1190 | 85 | 0.75 | 14MPCC-2590 | 185 | 1.04 |
| 14MPCC-1260 | 90 | 0.77 | 14MPCC-2660 | 190 | 1.05 |
| 14MPCC-1400 | 100 | 0.81 | 14MPCC-2800 | 200 | 1.07 |
| 14MPCC-1568 | 112 | 0.85 | 14MPCC-3136 | 224 | 1.12 |
| 14MPCC-1610 | 115 | 0.86 | 14MPCC-3304 | 236 | 1.14 |
| 14MPCC-1750 | 125 | 0.89 | 14MPCC-3360 | 240 | 1.14 |
| 14MPCC-1890 | 135 | 0.92 | 14MPCC-3500 | 250 | 1.16 |
| 14MPCC-1960 | 140 | 0.94 | 14MPCC-3850 | 275 | 1.19 |
| 14MPCC-2100 | 150 | 0.96 | 14MPCC-3920 | 280 | 1.20 |
| 14MPCC-2240 | 160 | 0.99 | 14MPCC-4326 | 309 | 1.24 |
| 14MPCC-2310 | 165 | 1.00 | 14MPCC-4410 | 315 | 1.25 |
| 14MPCC-2380 | 170 | 1.01 | | | |

# 14mm Basic Horsepower Tables

## Horsepower Rating for 20mm Wide

| Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter Inches) | | | | | | | Additional Horsepower per belt for Speed Ratio of Speed-Down Drives | | | | | | | | | | RPM of Faster Shaft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 60 | 63 | 67 | 71 | 75 | 80 | 1.00 to | 1.04 to | 1.11 to | 1.20 to | 1.31 to | 1.46 to | 1.68 to | 2.03 to | 2.70 to | 4.65 & | |
| 9.825 | 10.527 | 11.053 | 11.755 | 12.457 | 13.158 | 14.036 | 1.03 | 1.10 | 1.19 | 1.30 | 1.45 | 1.67 | 2.02 | 2.69 | 4.64 | Over | |
| Refer to selection program : http://beltdriveselector.tbwoods.com | | | | | | | | | | | | | | | | | Slower |
| 12.3 | 13.2 | 13.9 | 14.8 | 15.7 | 16.6 | 17.7 | 0.00 | 0.04 | 0.09 | 0.13 | 0.18 | 0.22 | 0.27 | 0.31 | 0.36 | 0.40 | 88 |
| 13.7 | 14.7 | 15.4 | 16.4 | 17.4 | 18.4 | 19.7 | 0.00 | 0.05 | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.36 | 0.41 | 0.46 | 100 |
| 15.6 | 16.7 | 17.6 | 18.8 | 19.9 | 21.0 | 22.5 | 0.00 | 0.06 | 0.12 | 0.18 | 0.24 | 0.30 | 0.36 | 0.42 | 0.47 | 0.53 | 117 |
| 21.9 | 23.6 | 24.8 | 26.4 | 28.0 | 29.6 | 31.6 | 0.00 | 0.09 | 0.18 | 0.27 | 0.36 | 0.44 | 0.53 | 0.62 | 0.71 | 0.80 | 175 |
| 24.6 | 26.4 | 27.8 | 29.6 | 31.4 | 33.2 | 35.5 | 0.00 | 0.10 | 0.20 | 0.30 | 0.41 | 0.51 | 0.61 | 0.71 | 0.81 | 0.91 | 200 |
| 28.0 | 30.1 | 31.7 | 33.8 | 35.8 | 37.9 | 40.4 | 0.00 | 0.12 | 0.24 | 0.35 | 0.47 | 0.59 | 0.71 | 0.83 | 0.95 | 1.06 | 233 |
| 34.9 | 37.5 | 39.4 | 42.0 | 44.6 | 47.1 | 50.3 | 0.00 | 0.15 | 0.30 | 0.46 | 0.61 | 0.76 | 0.91 | 1.07 | 1.22 | 1.37 | 300 |
| 39.9 | 42.8 | 45.1 | 48.0 | 51.0 | 53.9 | 57.5 | 0.00 | 0.18 | 0.36 | 0.53 | 0.71 | 0.89 | 1.07 | 1.24 | 1.42 | 1.60 | 350 |
| 44.7 | 48.1 | 50.6 | 53.9 | 57.2 | 60.5 | 64.6 | 0.00 | 0.20 | 0.41 | 0.61 | 0.81 | 1.02 | 1.22 | 1.42 | 1.62 | 1.83 | 400 |
| 54.3 | 58.4 | 61.4 | 65.4 | 69.4 | 73.4 | 78.3 | 0.00 | 0.25 | 0.51 | 0.76 | 1.02 | 1.27 | 1.52 | 1.78 | 2.03 | 2.28 | 500 |
| 61.3 | 65.9 | 69.3 | 73.9 | 78.4 | 82.8 | 88.4 | 0.00 | 0.29 | 0.58 | 0.88 | 1.17 | 1.46 | 1.75 | 2.04 | 2.33 | 2.63 | 575 |
| 63.6 | 68.4 | 71.9 | 76.6 | 81.3 | 86.0 | 91.7 | 0.00 | 0.30 | 0.61 | 0.91 | 1.22 | 1.52 | 1.83 | 2.13 | 2.44 | 2.74 | 600 |
| 71.8 | 77.2 | 81.2 | 86.5 | 91.8 | 97.0 | 103.5 | 0.00 | 0.35 | 0.70 | 1.05 | 1.40 | 1.75 | 2.10 | 2.45 | 2.80 | 3.15 | 690 |
| 72.7 | 78.2 | 82.2 | 87.6 | 92.9 | 98.2 | 104.8 | 0.00 | 0.36 | 0.71 | 1.07 | 1.42 | 1.78 | 2.13 | 2.49 | 2.84 | 3.20 | 700 |
| 81.6 | 87.7 | 92.3 | 98.3 | 104.3 | 110.2 | 117.5 | 0.00 | 0.41 | 0.81 | 1.22 | 1.62 | 2.03 | 2.44 | 2.84 | 3.25 | 3.65 | 800 |
| 87.7 | 94.3 | 99.2 | 105.7 | 112.1 | 118.4 | 126.3 | 0.00 | 0.44 | 0.88 | 1.32 | 1.77 | 2.21 | 2.65 | 3.09 | 3.53 | 3.97 | 870 |
| 90.3 | 97.1 | 102.1 | 108.8 | 115.4 | 121.9 | 130.0 | 0.00 | 0.46 | 0.91 | 1.37 | 1.83 | 2.28 | 2.74 | 3.20 | 3.65 | 4.11 | 900 |
| 98.9 | 106.3 | 111.8 | 119.1 | 126.3 | 133.4 | 142.2 | 0.00 | 0.51 | 1.01 | 1.52 | 2.03 | 2.54 | 3.04 | 3.55 | 4.06 | 4.57 | 1000 |
| 112.3 | 120.7 | 126.9 | 135.1 | 143.2 | 151.3 | 161.2 | 0.00 | 0.59 | 1.18 | 1.77 | 2.35 | 2.94 | 3.53 | 4.12 | 4.71 | 5.30 | 1160 |
| 158.9 | 170.5 | 179.1 | 190.3 | 201.4 | 212.3 | 225.7 | 0.00 | 0.89 | 1.78 | 2.66 | 3.55 | 4.44 | 5.33 | 6.22 | 7.10 | 7.99 | 1750 |
| 177.3 | 190.1 | 199.5 | 211.9 | 224.0 | | | 0.00 | 1.02 | 2.03 | 3.04 | 4.06 | 5.08 | 6.09 | 7.10 | 8.12 | 9.13 | 2000 |
| | | | | | | | 0.00 | 1.52 | 3.04 | 4.57 | 6.09 | 7.61 | 9.13 | 10.7 | 12.2 | 13.7 | 3000 |
| | | | | | | | 0.00 | 1.75 | 3.50 | 5.25 | 7.00 | 8.75 | 10.5 | 12.3 | 14.0 | 15.8 | 3450 |
| | | | | | | | 0.00 | 2.03 | 4.06 | 6.09 | 8.12 | 10.2 | 12.2 | 14.2 | 16.2 | 18.3 | 4000 |

## Horsepower Rating for 37mm Wide

| Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter Inches) | | | | | | | Additional Horsepower per belt for Speed Ratio of Speed-Down Drives | | | | | | | | | | RPM of Faster Shaft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 60 | 63 | 67 | 71 | 75 | 80 | 1.00 to | 1.04 to | 1.11 to | 1.20 to | 1.31 to | 1.46 to | 1.68 to | 2.03 to | 2.70 to | 4.65 & | |
| 9.825 | 10.527 | 11.053 | 11.755 | 12.457 | 13.158 | 14.036 | 1.03 | 1.10 | 1.19 | 1.30 | 1.45 | 1.67 | 2.02 | 2.69 | 4.64 | Over | |
| Refer to selection program : http://beltdriveselector.tbwoods.com | | | | | | | | | | | | | | | | | Slower |
| 22.7 | 24.4 | 25.7 | 27.3 | 29.0 | 30.7 | 32.7 | 0.00 | 0.08 | 0.17 | 0.25 | 0.33 | 0.41 | 0.50 | 0.58 | 0.66 | 0.74 | 88 |
| 25.3 | 27.2 | 28.6 | 30.4 | 32.3 | 34.1 | 36.4 | 0.00 | 0.09 | 0.19 | 0.28 | 0.38 | 0.47 | 0.56 | 0.66 | 0.75 | 0.84 | 100 |
| 28.8 | 31.0 | 32.6 | 34.7 | 36.8 | 38.9 | 41.6 | 0.00 | 0.11 | 0.22 | 0.33 | 0.44 | 0.55 | 0.66 | 0.77 | 0.88 | 0.99 | 117 |
| 40.6 | 43.6 | 45.9 | 48.9 | 51.8 | 54.8 | 58.5 | 0.00 | 0.16 | 0.33 | 0.49 | 0.66 | 0.82 | 0.99 | 1.15 | 1.31 | 1.48 | 175 |
| 45.5 | 48.9 | 51.4 | 54.8 | 58.1 | 61.5 | 65.6 | 0.00 | 0.19 | 0.38 | 0.56 | 0.75 | 0.94 | 1.13 | 1.31 | 1.50 | 1.69 | 200 |
| 51.9 | 55.7 | 58.6 | 62.5 | 66.3 | 70.1 | 74.8 | 0.00 | 0.22 | 0.44 | 0.66 | 0.88 | 1.09 | 1.31 | 1.53 | 1.75 | 1.97 | 233 |
| 64.5 | 69.3 | 72.9 | 77.7 | 82.5 | 87.2 | 93.1 | 0.00 | 0.28 | 0.56 | 0.84 | 1.13 | 1.41 | 1.69 | 1.97 | 2.25 | 2.53 | 300 |
| 73.7 | 79.2 | 83.4 | 88.8 | 94.3 | 99.7 | 106.4 | 0.00 | 0.33 | 0.66 | 0.99 | 1.31 | 1.64 | 1.97 | 2.30 | 2.63 | 2.96 | 350 |
| 82.8 | 89.0 | 93.6 | 99.7 | 105.8 | 111.9 | 119.4 | 0.00 | 0.38 | 0.75 | 1.13 | 1.50 | 1.88 | 2.25 | 2.63 | 3.00 | 3.38 | 400 |
| 100.5 | 108.0 | 113.6 | 121.0 | 128.4 | 135.8 | 144.9 | 0.00 | 0.47 | 0.94 | 1.41 | 1.88 | 2.35 | 2.82 | 3.29 | 3.75 | 4.22 | 500 |
| 113.4 | 121.9 | 128.3 | 136.7 | 145.0 | 153.3 | 163.6 | 0.00 | 0.54 | 1.08 | 1.62 | 2.16 | 2.70 | 3.24 | 3.78 | 4.32 | 4.86 | 575 |
| 117.7 | 126.5 | 133.1 | 141.8 | 150.4 | 159.0 | 169.7 | 0.00 | 0.56 | 1.13 | 1.69 | 2.25 | 2.82 | 3.38 | 3.94 | 4.51 | 5.07 | 600 |
| 132.8 | 142.8 | 150.2 | 160.0 | 169.8 | 179.4 | 191.5 | 0.00 | 0.65 | 1.30 | 1.94 | 2.59 | 3.24 | 3.89 | 4.53 | 5.18 | 5.83 | 690 |
| 134.5 | 144.6 | 152.1 | 162.0 | 171.9 | 181.7 | 193.8 | 0.00 | 0.66 | 1.31 | 1.97 | 2.63 | 3.29 | 3.94 | 4.60 | 5.26 | 5.91 | 700 |
| 151.0 | 162.3 | 170.7 | 181.8 | 192.9 | 203.8 | 217.4 | 0.00 | 0.75 | 1.50 | 2.25 | 3.00 | 3.76 | 4.51 | 5.26 | 6.01 | 6.76 | 800 |
| 162.3 | 174.5 | 183.5 | 195.5 | 207.3 | 219.1 | 233.6 | 0.00 | 0.82 | 1.63 | 2.45 | 3.27 | 4.08 | 4.90 | 5.72 | 6.53 | 7.35 | 870 |
| 167.1 | 179.6 | 188.9 | 201.2 | 213.4 | 225.5 | 240.5 | 0.00 | 0.85 | 1.69 | 2.53 | 3.38 | 4.23 | 5.07 | 5.91 | 6.76 | 7.60 | 900 |
| 183.0 | 196.7 | 206.8 | 220.3 | 233.6 | 246.8 | 263.1 | 0.00 | 0.94 | 1.88 | 2.82 | 3.76 | 4.69 | 5.63 | 6.57 | 7.51 | 8.45 | 1000 |
| 207.8 | 223.3 | 234.8 | 250.0 | 265.0 | 279.8 | 298.2 | 0.00 | 1.09 | 2.18 | 3.27 | 4.36 | 5.45 | 6.53 | 7.62 | 8.71 | 9.80 | 1160 |
| 293.9 | 315.4 | 331.3 | 352.1 | 372.6 | 392.8 | 417.5 | 0.00 | 1.64 | 3.29 | 4.93 | 6.57 | 8.22 | 9.85 | 11.5 | 13.1 | 14.8 | 1750 |
| 328.0 | 351.7 | 369.1 | 392.0 | 414.4 | | | 0.00 | 1.88 | 3.76 | 5.63 | 7.51 | 9.39 | 11.3 | 13.1 | 15.0 | 16.9 | 2000 |
| | | | | | | | 0.00 | 2.82 | 5.63 | 8.45 | 11.3 | 14.1 | 16.9 | 19.7 | 22.5 | 25.3 | 3000 |
| | | | | | | | 0.00 | 3.24 | 6.48 | 9.71 | 13.0 | 16.2 | 19.4 | 22.7 | 25.9 | 29.1 | 3450 |
| | | | | | | | 0.00 | 3.76 | 7.51 | 11.3 | 15.0 | 18.8 | 22.5 | 26.3 | 30.0 | 33.8 | 4000 |

## QT Power Chain® II Carbon Belt Length Correction Factor Table

| Pitch/Length Designation | Number of Teeth | Correction Factor | Pitch/Length Designation | Number of Teeth | Correction Factor |
|---|---|---|---|---|---|
| 14MPCC-994 | 71 | 0.68 | 14MPCC-2450 | 175 | 1.02 |
| 14MPCC-1120 | 80 | 0.73 | 14MPCC-2520 | 180 | 1.03 |
| 14MPCC-1190 | 85 | 0.75 | 14MPCC-2590 | 185 | 1.04 |
| 14MPCC-1260 | 90 | 0.77 | 14MPCC-2660 | 190 | 1.05 |
| 14MPCC-1400 | 100 | 0.81 | 14MPCC-2800 | 200 | 1.07 |
| 14MPCC-1568 | 112 | 0.85 | 14MPCC-3136 | 224 | 1.12 |
| 14MPCC-1610 | 115 | 0.86 | 14MPCC-3304 | 236 | 1.14 |
| 14MPCC-1750 | 125 | 0.89 | 14MPCC-3360 | 240 | 1.14 |
| 14MPCC-1890 | 135 | 0.92 | 14MPCC-3500 | 250 | 1.16 |
| 14MPCC-1960 | 140 | 0.94 | 14MPCC-3850 | 275 | 1.19 |
| 14MPCC-2100 | 150 | 0.96 | 14MPCC-3920 | 280 | 1.20 |
| 14MPCC-2240 | 160 | 0.99 | 14MPCC-4326 | 309 | 1.24 |
| 14MPCC-2310 | 165 | 1.00 | 14MPCC-4410 | 315 | 1.25 |
| 14MPCC-2380 | 170 | 1.01 | | | |

# QT Power Chain® II Carbon Drive Selection

## 14mm Basic Horsepower Tables

### Horsepower Rating for 68mm Wide

| RPM of Faster Shaft | Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter Inches) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 43 | 45 | 48 | 50 | 53 |
| | 4.912 | 5.088 | 5.263 | 5.439 | 5.614 | 5.790 | 5.965 | 6.141 | 6.316 | 6.492 | 6.667 | 6.842 | 7.018 | 7.544 | 7.895 | 8.421 | 8.772 | 9.299 |
| **Slower** | Refer to selection program : http://beltdriveselector.tbwoods.com | | | | | | | | | | | | | | | | | |
| 88 | 19.4 | 20.3 | 21.1 | 21.9 | 22.7 | 23.5 | 24.3 | 25.1 | 25.9 | 26.7 | 27.5 | 28.3 | 29.1 | 31.5 | 33.1 | 35.5 | 37.1 | 39.4 |
| 100 | 21.6 | 22.5 | 23.4 | 24.3 | 25.2 | 26.1 | 27.0 | 27.9 | 28.8 | 29.7 | 30.6 | 31.5 | 32.4 | 35.1 | 36.8 | 39.5 | 41.2 | 43.8 |
| 117 | 24.6 | 25.6 | 26.7 | 27.7 | 28.7 | 29.8 | 30.8 | 31.8 | 32.9 | 33.9 | 34.9 | 35.9 | 36.9 | 40.0 | 42.0 | 45.0 | 47.0 | 50.0 |
| 175 | 34.4 | 35.9 | 37.4 | 38.8 | 40.3 | 41.8 | 43.2 | 44.7 | 46.1 | 47.6 | 49.0 | 50.5 | 51.9 | 56.2 | 59.1 | 63.3 | 66.1 | 70.4 |
| 200 | 38.5 | 40.2 | 41.8 | 43.5 | 45.1 | 46.8 | 48.4 | 50.1 | 51.7 | 53.3 | 54.9 | 56.6 | 58.2 | 63.0 | 66.2 | 71.0 | 74.1 | 78.9 |
| 233 | 43.9 | 45.8 | 47.6 | 49.5 | 51.4 | 53.3 | 55.2 | 57.0 | 58.9 | 60.8 | 62.6 | 64.4 | 66.3 | 71.8 | 75.5 | 80.9 | 84.5 | 90.0 |
| 300 | 54.4 | 56.8 | 59.1 | 61.5 | 63.8 | 66.2 | 68.5 | 70.8 | 73.2 | 75.5 | 77.8 | 80.1 | 82.4 | 89.3 | 93.8 | 100.6 | 105.1 | 111.9 |
| 350 | 62.0 | 64.8 | 67.5 | 70.2 | 72.8 | 75.5 | 78.2 | 80.9 | 83.5 | 86.2 | 88.8 | 91.5 | 94.1 | 102.0 | 107.2 | 115.0 | 120.1 | 127.8 |
| 400 | 69.5 | 72.6 | 75.6 | 78.7 | 81.7 | 84.7 | 87.7 | 90.7 | 93.7 | 96.7 | 99.7 | 102.6 | 105.6 | 114.4 | 120.3 | 129.0 | 134.8 | 143.5 |
| 500 | 84.2 | 87.9 | 91.6 | 95.3 | 99.0 | 102.7 | 106.3 | 110.0 | 113.6 | 117.3 | 120.9 | 124.5 | 128.1 | 138.8 | 146.0 | 156.6 | 163.6 | 174.2 |
| 575 | 94.9 | 99.1 | 103.3 | 107.5 | 111.7 | 115.8 | 120.0 | 124.1 | 128.2 | 132.3 | 136.4 | 140.5 | 144.6 | 156.7 | 164.8 | 176.8 | 184.7 | 196.6 |
| 600 | 98.4 | 102.8 | 107.2 | 111.5 | 115.8 | 120.2 | 124.4 | 128.7 | 133.0 | 137.3 | 141.5 | 145.7 | 150.0 | 162.6 | 171.0 | 183.4 | 191.7 | 204.0 |
| 690 | 111.0 | 115.9 | 120.8 | 125.8 | 130.6 | 135.5 | 140.4 | 145.2 | 150.1 | 154.9 | 159.7 | 164.5 | 169.3 | 183.5 | 192.9 | 207.0 | 216.4 | 230.3 |
| 700 | 112.4 | 117.4 | 122.3 | 127.3 | 132.3 | 137.2 | 142.1 | 147.1 | 151.9 | 156.8 | 161.7 | 166.5 | 171.4 | 185.8 | 195.4 | 209.6 | 219.1 | 233.2 |
| 800 | 126.0 | 131.6 | 137.2 | 142.8 | 148.4 | 153.9 | 159.5 | 165.0 | 170.5 | 176.0 | 181.4 | 186.9 | 192.3 | 208.5 | 219.3 | 235.3 | 245.9 | 261.7 |
| 870 | 135.3 | 141.4 | 147.4 | 153.5 | 159.5 | 165.5 | 171.4 | 177.4 | 183.3 | 189.2 | 195.1 | 200.9 | 206.8 | 224.2 | 235.8 | 253.0 | 264.4 | 281.4 |
| 900 | 139.3 | 145.6 | 151.8 | 158.0 | 164.2 | 170.3 | 176.5 | 182.6 | 188.7 | 194.8 | 200.8 | 206.9 | 212.9 | 230.9 | 242.8 | 260.5 | 272.2 | 289.8 |
| 1000 | 152.4 | 159.3 | 166.1 | 172.9 | 179.7 | 186.5 | 193.2 | 199.9 | 206.6 | 213.3 | 219.9 | 226.5 | 233.1 | 252.8 | 265.8 | 285.2 | 298.1 | 317.3 |
| 1160 | 173.0 | 180.8 | 188.6 | 196.4 | 204.1 | 211.8 | 219.4 | 227.1 | 234.7 | 242.3 | 249.8 | 257.3 | 264.8 | 287.2 | 302.0 | 324.0 | 338.6 | 360.4 |
| 1750 | 245.1 | 256.3 | 267.4 | 278.4 | 289.4 | 300.4 | 311.3 | 322.2 | 333.0 | 343.8 | 354.5 | 365.1 | 375.8 | 407.4 | 428.3 | 459.3 | 479.7 | 510.2 |
| 2000 | 274.1 | 286.7 | 299.1 | 311.5 | 323.8 | 336.1 | 348.2 | 360.4 | 372.5 | 384.5 | 396.5 | 408.4 | 420.3 | 455.5 | 478.8 | 513.2 | 535.9 | 569.6 |
| 3000 | 382.9 | 400.4 | 417.7 | 435.0 | 452.1 | 469.2 | 486.0 | 502.8 | 519.4 | 536.0 | 552.4 | 568.6 | 584.8 | 632.6 | 663.9 | | | |
| 3450 | 428.3 | 447.8 | 467.1 | 486.4 | 505.3 | 524.3 | 542.9 | 561.6 | 579.9 | 598.2 | 616.2 | 634.1 | 651.9 | | | | | |
| 4000 | 480.9 | 502.7 | 524.2 | 545.6 | 566.7 | 587.7 | 608.3 | 628.9 | 649.1 | | | | | | | | | |

### Horsepower Rating for 90mm Wide

| RPM of Faster Shaft | Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter Inches) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 43 | 45 | 48 | 50 | 53 |
| | 4.912 | 5.088 | 5.263 | 5.439 | 5.614 | 5.790 | 5.965 | 6.141 | 6.316 | 6.492 | 6.667 | 6.842 | 7.018 | 7.544 | 7.895 | 8.421 | 8.772 | 9.299 |
| **Slower** | Refer to selection program : http://beltdriveselector.tbwoods.com | | | | | | | | | | | | | | | | | |
| 88 | 25.7 | 26.8 | 27.9 | 29.0 | 30.0 | 31.1 | 32.2 | 33.3 | 34.3 | 35.4 | 36.5 | 37.5 | 38.6 | 41.7 | 43.8 | 47.0 | 49.0 | 52.2 |
| 100 | 28.6 | 29.8 | 31.0 | 32.2 | 33.4 | 34.6 | 35.8 | 37.0 | 38.2 | 39.3 | 40.5 | 41.7 | 42.9 | 46.4 | 48.7 | 52.2 | 54.6 | 58.0 |
| 117 | 32.5 | 33.9 | 35.3 | 36.7 | 38.0 | 39.4 | 40.8 | 42.1 | 43.5 | 44.8 | 46.2 | 47.5 | 48.9 | 52.9 | 55.6 | 59.6 | 62.2 | 66.2 |
| 175 | 45.6 | 47.5 | 49.5 | 51.4 | 53.3 | 55.3 | 57.2 | 59.1 | 61.1 | 63.0 | 64.9 | 66.8 | 68.7 | 74.4 | 78.2 | 83.8 | 87.5 | 93.1 |
| 200 | 51.0 | 53.2 | 55.4 | 57.6 | 59.7 | 61.9 | 64.1 | 66.3 | 68.4 | 70.6 | 72.7 | 74.9 | 77.0 | 83.4 | 87.6 | 93.9 | 98.1 | 104.4 |
| 233 | 58.0 | 60.6 | 63.1 | 65.6 | 68.0 | 70.5 | 73.0 | 75.5 | 77.9 | 80.4 | 82.9 | 85.3 | 87.8 | 95.0 | 99.9 | 107.1 | 111.9 | 119.1 |
| 300 | 72.0 | 75.1 | 78.2 | 81.4 | 84.5 | 87.6 | 90.7 | 93.8 | 96.8 | 99.9 | 102.9 | 106.0 | 109.0 | 118.1 | 124.2 | 133.2 | 139.1 | 148.1 |
| 350 | 82.1 | 85.7 | 89.3 | 92.9 | 96.4 | 100.0 | 103.5 | 107.0 | 110.6 | 114.1 | 117.6 | 121.1 | 124.6 | 135.0 | 141.9 | 152.1 | 159.0 | 169.2 |
| 400 | 92.0 | 96.1 | 100.1 | 104.1 | 108.1 | 112.1 | 116.1 | 120.1 | 124.0 | 128.0 | 131.9 | 135.8 | 139.8 | 151.5 | 159.2 | 170.8 | 178.5 | 190.0 |
| 500 | 111.4 | 116.4 | 121.3 | 126.2 | 131.0 | 135.9 | 140.7 | 145.6 | 150.4 | 155.2 | 160.0 | 164.8 | 169.5 | 183.8 | 193.2 | 207.3 | 216.6 | 230.5 |
| 575 | 125.6 | 131.2 | 136.7 | 142.3 | 147.8 | 153.3 | 158.8 | 164.2 | 169.7 | 175.1 | 180.5 | 185.9 | 191.3 | 207.4 | 218.1 | 234.0 | 244.5 | 260.2 |
| 600 | 130.3 | 136.1 | 141.8 | 147.6 | 153.3 | 159.0 | 164.7 | 170.4 | 176.0 | 181.7 | 187.3 | 192.9 | 198.5 | 215.2 | 226.3 | 242.7 | 253.7 | 270.0 |
| 690 | 146.9 | 153.4 | 159.9 | 166.5 | 172.9 | 179.4 | 185.8 | 192.2 | 198.6 | 205.0 | 211.3 | 217.7 | 224.0 | 242.9 | 255.4 | 274.0 | 286.4 | 304.8 |
| 700 | 148.7 | 155.3 | 161.9 | 168.5 | 175.1 | 181.6 | 188.1 | 194.6 | 201.1 | 207.6 | 214.0 | 220.4 | 226.8 | 245.9 | 258.6 | 277.4 | 289.9 | 308.6 |
| 800 | 166.7 | 174.2 | 181.6 | 189.0 | 196.4 | 203.7 | 211.1 | 218.4 | 225.6 | 232.9 | 240.1 | 247.3 | 254.6 | 276.0 | 290.2 | 311.4 | 325.5 | 346.4 |
| 870 | 179.1 | 187.2 | 195.1 | 203.1 | 211.1 | 219.0 | 226.9 | 234.7 | 242.6 | 250.4 | 258.2 | 265.9 | 273.7 | 296.8 | 312.1 | 334.8 | 349.9 | 372.5 |
| 900 | 184.4 | 192.7 | 200.9 | 209.1 | 217.3 | 225.5 | 233.6 | 241.7 | 249.7 | 257.8 | 265.8 | 273.8 | 281.8 | 305.6 | 321.3 | 344.8 | 360.3 | 383.5 |
| 1000 | 201.8 | 210.9 | 219.9 | 228.9 | 237.8 | 246.8 | 255.7 | 264.6 | 273.4 | 282.3 | 291.1 | 299.8 | 308.6 | 334.6 | 351.9 | 377.5 | 394.6 | 419.9 |
| 1160 | 229.0 | 239.4 | 249.6 | 259.9 | 270.1 | 280.3 | 290.4 | 300.5 | 310.6 | 320.6 | 330.6 | 340.6 | 350.5 | 380.1 | 399.7 | 428.9 | 448.2 | 477.0 |
| 1750 | 324.4 | 339.2 | 353.9 | 368.5 | 383.1 | 397.6 | 412.0 | 426.4 | 440.7 | 455.0 | 469.1 | 483.2 | 497.3 | 539.2 | 566.8 | 607.9 | 634.9 | 675.2 |
| 2000 | 362.8 | 379.4 | 395.8 | 412.3 | 428.5 | 444.8 | 460.9 | 477.0 | 493.0 | 509.0 | 524.8 | 540.5 | 556.3 | 602.9 | 633.7 | 679.2 | 709.3 | 753.9 |
| 3000 | 506.8 | 530.0 | 552.9 | 575.8 | 598.4 | 620.9 | 643.2 | 665.5 | 687.5 | 709.4 | 731.1 | 752.6 | 774.0 | 837.3 | 878.6 | | | |
| 3450 | 566.8 | 592.7 | 618.3 | 643.7 | 668.9 | 693.9 | 718.6 | 743.2 | 767.5 | 791.8 | 815.6 | 839.3 | 862.9 | | | | | |
| 4000 | 636.5 | 665.4 | 693.8 | 722.2 | 750.1 | 777.8 | 805.1 | 832.3 | 859.1 | | | | | | | | | |

### QT Power Chain® II Carbon Belt Length Correction Factor Table

| Pitch/Length Designation | Number of Teeth | Correction Factor |
|---|---|---|
| 14MPCC-994 | 71 | 0.68 |
| 14MPCC-1120 | 80 | 0.73 |
| 14MPCC-1190 | 85 | 0.75 |
| 14MPCC-1260 | 90 | 0.77 |
| 14MPCC-1400 | 100 | 0.81 |
| 14MPCC-1568 | 112 | 0.85 |
| 14MPCC-1610 | 115 | 0.86 |
| 14MPCC-1750 | 125 | 0.89 |
| 14MPCC-1890 | 135 | 0.92 |
| 14MPCC-1960 | 140 | 0.94 |
| 14MPCC-2100 | 150 | 0.96 |
| 14MPCC-2240 | 160 | 0.99 |
| 14MPCC-2310 | 165 | 1.00 |
| 14MPCC-2380 | 170 | 1.01 |

| Pitch/Length Designation | Number of Teeth | Correction Factor |
|---|---|---|
| 14MPCC-2450 | 175 | 1.02 |
| 14MPCC-2520 | 180 | 1.03 |
| 14MPCC-2590 | 185 | 1.04 |
| 14MPCC-2660 | 190 | 1.05 |
| 14MPCC-2800 | 200 | 1.07 |
| 14MPCC-3136 | 224 | 1.12 |
| 14MPCC-3304 | 236 | 1.14 |
| 14MPCC-3360 | 240 | 1.14 |
| 14MPCC-3500 | 250 | 1.16 |
| 14MPCC-3850 | 275 | 1.19 |
| 14MPCC-3920 | 280 | 1.20 |
| 14MPCC-4326 | 309 | 1.24 |
| 14MPCC-4410 | 315 | 1.25 |

## 14mm Basic Horsepower Tables

### Horsepower Rating for 68mm Wide

| Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter Inches) | | | | | | | Additional Horsepower per belt for Speed Ratio of Speed-Down Drives | | | | | | | | | RPM of Faster Shaft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 60 | 63 | 67 | 71 | 75 | 80 | 1.00 to | 1.04 to | 1.11 to | 1.20 to | 1.31 to | 1.46 to | 1.68 to | 2.03 to | 2.70 to | 4.65 & |
| 9.825 | 10.527 | 11.053 | 11.755 | 12.457 | 13.158 | 14.036 | 1.03 | 1.10 | 1.19 | 1.30 | 1.45 | 1.67 | 2.02 | 2.69 | 4.64 | Over |
| Refer to selection program : http://beltdriveselector.tbwoods.com | | | | | | | | | | | | | | | | Slower |
| 41.8 | 44.9 | 47.2 | 50.3 | 53.3 | 56.4 | 60.2 | 0.00 | 0.15 | 0.30 | 0.46 | 0.61 | 0.76 | 0.91 | 1.06 | 1.21 | 1.37 | 88 |
| 46.4 | 49.9 | 52.5 | 55.9 | 59.3 | 62.7 | 66.9 | 0.00 | 0.17 | 0.35 | 0.52 | 0.69 | 0.86 | 1.03 | 1.21 | 1.38 | 1.55 | 100 |
| 53.0 | 56.9 | 59.9 | 63.8 | 67.7 | 71.5 | 76.4 | 0.00 | 0.20 | 0.40 | 0.61 | 0.81 | 1.01 | 1.21 | 1.41 | 1.61 | 1.82 | 117 |
| 74.6 | 80.1 | 84.3 | 89.8 | 95.3 | 100.7 | 107.5 | 0.00 | 0.30 | 0.60 | 0.91 | 1.21 | 1.51 | 1.81 | 2.11 | 2.42 | 2.72 | 175 |
| 83.6 | 89.8 | 94.5 | 100.7 | 106.8 | 113.0 | 120.6 | 0.00 | 0.35 | 0.69 | 1.03 | 1.38 | 1.73 | 2.07 | 2.42 | 2.76 | 3.11 | 200 |
| 95.3 | 102.5 | 107.8 | 114.8 | 121.9 | 128.8 | 137.5 | 0.00 | 0.40 | 0.80 | 1.21 | 1.61 | 2.01 | 2.41 | 2.81 | 3.22 | 3.62 | 233 |
| 118.6 | 127.4 | 134.1 | 142.9 | 151.6 | 160.3 | 171.1 | 0.00 | 0.52 | 1.04 | 1.55 | 2.07 | 2.59 | 3.10 | 3.62 | 4.14 | 4.66 | 300 |
| 135.5 | 145.6 | 153.2 | 163.3 | 173.2 | 183.2 | 195.5 | 0.00 | 0.60 | 1.21 | 1.81 | 2.42 | 3.02 | 3.62 | 4.23 | 4.83 | 5.43 | 350 |
| 152.1 | 163.5 | 172.0 | 183.3 | 194.5 | 205.6 | 219.5 | 0.00 | 0.69 | 1.38 | 2.07 | 2.76 | 3.45 | 4.14 | 4.83 | 5.52 | 6.21 | 400 |
| 184.6 | 198.5 | 208.8 | 222.5 | 236.1 | 249.5 | 266.3 | 0.00 | 0.86 | 1.73 | 2.59 | 3.45 | 4.31 | 5.17 | 6.04 | 6.90 | 7.76 | 500 |
| 208.4 | 224.1 | 235.7 | 251.1 | 266.5 | 281.7 | 300.6 | 0.00 | 0.99 | 1.98 | 2.98 | 3.97 | 4.96 | 5.95 | 6.94 | 7.94 | 8.93 | 575 |
| 216.3 | 232.5 | 244.6 | 260.6 | 276.5 | 292.3 | 311.9 | 0.00 | 1.04 | 2.07 | 3.10 | 4.14 | 5.18 | 6.21 | 7.25 | 8.28 | 9.32 | 600 |
| 244.1 | 262.4 | 276.0 | 294.1 | 312.0 | 329.8 | 351.9 | 0.00 | 1.19 | 2.38 | 3.57 | 4.76 | 5.95 | 7.14 | 8.33 | 9.52 | 10.7 | 690 |
| 247.2 | 265.7 | 279.5 | 297.8 | 315.9 | 333.9 | 356.3 | 0.00 | 1.21 | 2.42 | 3.62 | 4.83 | 6.04 | 7.24 | 8.45 | 9.66 | 10.9 | 700 |
| 277.4 | 298.2 | 313.7 | 334.2 | 354.5 | 374.6 | 399.6 | 0.00 | 1.38 | 2.76 | 4.14 | 5.52 | 6.90 | 8.28 | 9.66 | 11.0 | 12.4 | 800 |
| 298.3 | 320.6 | 337.2 | 359.2 | 381.0 | 402.6 | 429.4 | 0.00 | 1.50 | 3.00 | 4.50 | 6.00 | 7.51 | 9.00 | 10.5 | 12.0 | 13.5 | 870 |
| 307.1 | 330.1 | 347.2 | 369.8 | 392.3 | 414.5 | 442.0 | 0.00 | 1.55 | 3.11 | 4.66 | 6.21 | 7.76 | 9.31 | 10.9 | 12.4 | 14.0 | 900 |
| 336.3 | 361.4 | 380.1 | 404.8 | 429.3 | 453.5 | 483.5 | 0.00 | 1.73 | 3.45 | 5.17 | 6.90 | 8.63 | 10.3 | 12.1 | 13.8 | 15.5 | 1000 |
| 381.9 | 410.4 | 431.5 | 459.4 | 487.0 | 514.3 | 548.1 | 0.00 | 2.00 | 4.00 | 6.00 | 8.01 | 10.0 | 12.0 | 14.0 | 16.0 | 18.0 | 1160 |
| 540.2 | 579.6 | 608.8 | 647.2 | 684.9 | 721.8 | 767.3 | 0.00 | 3.02 | 6.04 | 9.05 | 12.1 | 15.1 | 18.1 | 21.1 | 24.2 | 27.2 | 1750 |
| 602.8 | 646.3 | 678.4 | 720.4 | 761.6 | | | 0.00 | 3.45 | 6.90 | 10.3 | 13.8 | 17.3 | 20.7 | 24.2 | 27.6 | 31.1 | 2000 |
| | | | | | | | 0.00 | 5.18 | 10.4 | 15.5 | 20.7 | 25.9 | 31.0 | 36.2 | 41.4 | 46.6 | 3000 |
| | | | | | | | 0.00 | 5.96 | 11.9 | 17.9 | 23.8 | 29.8 | 35.7 | 41.7 | 47.6 | 53.6 | 3450 |
| | | | | | | | 0.00 | 6.91 | 13.8 | 20.7 | 27.6 | 34.5 | 41.4 | 48.3 | 55.2 | 62.1 | 4000 |

### Horsepower Rating for 90mm Wide

| Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter Inches) | | | | | | | Additional Horsepower per belt for Speed Ratio of Speed-Down Drives | | | | | | | | | RPM of Faster Shaft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 60 | 63 | 67 | 71 | 75 | 80 | 1.00 to | 1.04 to | 1.11 to | 1.20 to | 1.31 to | 1.46 to | 1.68 to | 2.03 to | 2.70 to | 4.65 & |
| 9.825 | 10.527 | 11.053 | 11.755 | 12.457 | 13.158 | 14.036 | 1.03 | 1.10 | 1.19 | 1.30 | 1.45 | 1.67 | 2.02 | 2.69 | 4.64 | Over |
| Refer to selection program : http://beltdriveselector.tbwoods.com | | | | | | | | | | | | | | | | Slower |
| 55.3 | 59.4 | 62.4 | 66.5 | 70.6 | 74.6 | 79.6 | 0.00 | 0.20 | 0.40 | 0.60 | 0.80 | 1.00 | 1.21 | 1.41 | 1.61 | 1.81 | 88 |
| 61.5 | 66.0 | 69.5 | 74.0 | 78.5 | 83.0 | 88.6 | 0.00 | 0.23 | 0.46 | 0.68 | 0.91 | 1.14 | 1.37 | 1.60 | 1.83 | 2.05 | 100 |
| 70.1 | 75.3 | 79.2 | 84.4 | 89.6 | 94.7 | 101.1 | 0.00 | 0.27 | 0.53 | 0.80 | 1.07 | 1.34 | 1.60 | 1.87 | 2.14 | 2.40 | 117 |
| 98.7 | 106.1 | 111.6 | 118.9 | 126.1 | 133.3 | 142.3 | 0.00 | 0.40 | 0.80 | 1.20 | 1.60 | 2.00 | 2.40 | 2.80 | 3.20 | 3.60 | 175 |
| 110.6 | 118.9 | 125.1 | 133.3 | 141.4 | 149.5 | 159.6 | 0.00 | 0.46 | 0.91 | 1.37 | 1.83 | 2.28 | 2.74 | 3.20 | 3.65 | 4.11 | 200 |
| 126.2 | 135.6 | 142.6 | 152.0 | 161.3 | 170.5 | 182.0 | 0.00 | 0.53 | 1.06 | 1.60 | 2.13 | 2.66 | 3.19 | 3.72 | 4.26 | 4.79 | 233 |
| 156.9 | 168.7 | 177.4 | 189.1 | 200.6 | 212.1 | 226.4 | 0.00 | 0.69 | 1.37 | 2.05 | 2.74 | 3.43 | 4.11 | 4.79 | 5.48 | 6.16 | 300 |
| 179.3 | 192.8 | 202.8 | 216.1 | 229.3 | 242.4 | 258.7 | 0.00 | 0.80 | 1.60 | 2.40 | 3.20 | 4.00 | 4.79 | 5.59 | 6.39 | 7.19 | 350 |
| 201.3 | 216.4 | 227.7 | 242.6 | 257.4 | 272.2 | 290.5 | 0.00 | 0.91 | 1.83 | 2.74 | 3.65 | 4.57 | 5.48 | 6.39 | 7.31 | 8.22 | 400 |
| 244.4 | 262.7 | 276.3 | 294.4 | 312.4 | 330.3 | 352.5 | 0.00 | 1.14 | 2.28 | 3.42 | 4.57 | 5.71 | 6.85 | 7.99 | 9.13 | 10.3 | 500 |
| 275.9 | 296.6 | 312.0 | 332.4 | 352.7 | 372.8 | 397.8 | 0.00 | 1.31 | 2.63 | 3.94 | 5.25 | 6.57 | 7.88 | 9.19 | 10.5 | 11.8 | 575 |
| 286.2 | 307.7 | 323.7 | 344.9 | 365.9 | 386.8 | 412.8 | 0.00 | 1.37 | 2.74 | 4.11 | 5.48 | 6.85 | 8.22 | 9.59 | 11.0 | 12.3 | 600 |
| 323.1 | 347.3 | 365.4 | 389.3 | 413.0 | 436.5 | 465.7 | 0.00 | 1.58 | 3.15 | 4.73 | 6.30 | 7.88 | 9.45 | 11.0 | 12.6 | 14.2 | 690 |
| 327.1 | 351.7 | 369.9 | 394.1 | 418.2 | 442.0 | 471.5 | 0.00 | 1.60 | 3.20 | 4.79 | 6.39 | 7.99 | 9.59 | 11.2 | 12.8 | 14.4 | 700 |
| 367.2 | 394.7 | 415.2 | 442.3 | 469.2 | 495.8 | 528.9 | 0.00 | 1.83 | 3.65 | 5.48 | 7.31 | 9.14 | 11.0 | 12.8 | 14.6 | 16.4 | 800 |
| 394.8 | 424.4 | 446.3 | 475.4 | 504.3 | 532.9 | 568.3 | 0.00 | 1.99 | 3.97 | 5.96 | 7.95 | 9.93 | 11.9 | 13.9 | 15.9 | 17.9 | 870 |
| 406.5 | 436.9 | 459.6 | 489.5 | 519.2 | 548.6 | 585.1 | 0.00 | 2.06 | 4.11 | 6.16 | 8.22 | 10.3 | 12.3 | 14.4 | 16.4 | 18.5 | 900 |
| 445.1 | 478.4 | 503.1 | 535.8 | 568.2 | 600.2 | 640.0 | 0.00 | 2.29 | 4.57 | 6.85 | 9.13 | 11.4 | 13.7 | 16.0 | 18.3 | 20.5 | 1000 |
| 505.5 | 543.1 | 571.1 | 608.0 | 644.6 | 680.7 | 725.4 | 0.00 | 2.65 | 5.30 | 7.94 | 10.6 | 13.2 | 15.9 | 18.5 | 21.2 | 23.8 | 1160 |
| 714.9 | 767.2 | 805.8 | 856.5 | 906.4 | 955.4 | 1016 | 0.00 | 4.00 | 7.99 | 12.0 | 16.0 | 20.0 | 24.0 | 28.0 | 32.0 | 36.0 | 1750 |
| 797.8 | 855.4 | 897.9 | 953.5 | 1008 | | | 0.00 | 4.57 | 9.13 | 13.7 | 18.3 | 22.8 | 27.4 | 32.0 | 36.5 | 41.1 | 2000 |
| | | | | | | | 0.00 | 6.86 | 13.7 | 20.5 | 27.4 | 34.3 | 41.1 | 47.9 | 54.8 | 61.6 | 3000 |
| | | | | | | | 0.00 | 7.88 | 15.8 | 23.6 | 31.5 | 39.4 | 47.3 | 55.1 | 63.0 | 70.9 | 3450 |
| | | | | | | | 0.00 | 9.14 | 18.3 | 27.4 | 36.5 | 45.7 | 54.8 | 63.9 | 73.1 | 82.2 | 4000 |

### QT Power Chain® II Carbon Belt Length Correction Factor Table

| Pitch/Length Designation | Number of Teeth | Correction Factor | Pitch/Length Designation | Number of Teeth | Correction Factor |
|---|---|---|---|---|---|
| 14MPCC-994 | 71 | 0.68 | 14MPCC-2450 | 175 | 1.02 |
| 14MPCC-1120 | 80 | 0.73 | 14MPCC-2520 | 180 | 1.03 |
| 14MPCC-1190 | 85 | 0.75 | 14MPCC-2590 | 185 | 1.04 |
| 14MPCC-1260 | 90 | 0.77 | 14MPCC-2660 | 190 | 1.05 |
| 14MPCC-1400 | 100 | 0.81 | 14MPCC-2800 | 200 | 1.07 |
| 14MPCC-1568 | 112 | 0.85 | 14MPCC-3136 | 224 | 1.12 |
| 14MPCC-1610 | 115 | 0.86 | 14MPCC-3304 | 236 | 1.14 |
| 14MPCC-1750 | 125 | 0.89 | 14MPCC-3360 | 240 | 1.14 |
| 14MPCC-1890 | 135 | 0.92 | 14MPCC-3500 | 250 | 1.16 |
| 14MPCC-1960 | 140 | 0.94 | 14MPCC-3850 | 275 | 1.19 |
| 14MPCC-2100 | 150 | 0.96 | 14MPCC-3920 | 280 | 1.20 |
| 14MPCC-2240 | 160 | 0.99 | 14MPCC-4326 | 309 | 1.24 |
| 14MPCC-2310 | 165 | 1.00 | 14MPCC-4410 | 315 | 1.25 |
| 14MPCC-2380 | 170 | 1.01 | | | |

# QT Power Chain® II Carbon Drive Selection

## 14mm Basic Horsepower Tables

### Horsepower Rating for 125mm Wide

| RPM of Faster Shaft | Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter Inches) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 43 | 45 | 48 | 50 | 53 |
| | 4.912 | 5.088 | 5.263 | 5.439 | 5.614 | 5.790 | 5.965 | 6.141 | 6.316 | 6.492 | 6.667 | 6.842 | 7.018 | 7.544 | 7.895 | 8.421 | 8.772 | 9.299 |
| Slower | Refer to selection program : http://beltdriveselector.tbwoods.com | | | | | | | | | | | | | | | | | |
| 88 | 35.7 | 37.2 | 38.7 | 40.2 | 41.7 | 43.2 | 44.7 | 46.2 | 47.7 | 49.2 | 50.6 | 52.1 | 53.6 | 58.0 | 60.9 | 65.2 | 68.1 | 72.4 |
| 100 | 39.7 | 41.4 | 43.0 | 44.7 | 46.4 | 48.0 | 49.7 | 51.3 | 53.0 | 54.6 | 56.3 | 57.9 | 59.6 | 64.5 | 67.7 | 72.5 | 75.8 | 80.6 |
| 117 | 45.2 | 47.1 | 49.0 | 50.9 | 52.8 | 54.7 | 56.6 | 58.5 | 60.4 | 62.3 | 64.2 | 66.0 | 67.9 | 73.5 | 77.2 | 82.7 | 86.4 | 91.9 |
| 175 | 63.3 | 66.0 | 68.7 | 71.4 | 74.1 | 76.8 | 79.5 | 82.1 | 84.8 | 87.5 | 90.1 | 92.8 | 95.4 | 103.3 | 108.6 | 116.4 | 121.6 | 129.4 |
| 200 | 70.8 | 73.9 | 76.9 | 80.0 | 83.0 | 86.0 | 89.0 | 92.0 | 95.0 | 98.0 | 101.0 | 104.0 | 106.9 | 115.8 | 121.7 | 130.5 | 136.3 | 145.0 |
| 233 | 80.6 | 84.1 | 87.6 | 91.1 | 94.5 | 98.0 | 101.4 | 104.8 | 108.3 | 111.7 | 115.1 | 118.5 | 121.9 | 132.0 | 138.7 | 148.7 | 155.4 | 165.4 |
| 300 | 100.0 | 104.3 | 108.7 | 113.0 | 117.3 | 121.6 | 125.9 | 130.2 | 134.5 | 138.7 | 143.0 | 147.2 | 151.5 | 164.1 | 172.5 | 184.9 | 193.2 | 205.6 |
| 350 | 114.0 | 119.0 | 124.0 | 129.0 | 133.9 | 138.9 | 143.8 | 148.7 | 153.5 | 158.4 | 163.3 | 168.1 | 173.0 | 187.4 | 197.0 | 211.3 | 220.8 | 235.0 |
| 400 | 127.8 | 133.5 | 139.1 | 144.6 | 150.2 | 155.8 | 161.3 | 166.8 | 172.3 | 177.8 | 183.2 | 188.7 | 194.1 | 210.4 | 221.2 | 237.2 | 247.9 | 263.8 |
| 500 | 154.8 | 161.6 | 168.4 | 175.2 | 182.0 | 188.8 | 195.5 | 202.2 | 208.9 | 215.6 | 222.2 | 228.8 | 235.5 | 255.2 | 268.3 | 287.8 | 300.8 | 320.2 |
| 575 | 174.5 | 182.2 | 189.9 | 197.6 | 205.3 | 212.9 | 220.5 | 228.1 | 235.7 | 243.2 | 250.7 | 258.2 | 265.7 | 288.1 | 302.9 | 324.9 | 339.6 | 361.4 |
| 600 | 181.0 | 189.0 | 197.0 | 205.0 | 212.9 | 220.9 | 228.8 | 236.7 | 244.5 | 252.3 | 260.1 | 267.9 | 275.7 | 298.9 | 314.2 | 337.1 | 352.3 | 375.0 |
| 690 | 204.0 | 213.1 | 222.1 | 231.2 | 240.2 | 249.1 | 258.1 | 267.0 | 275.8 | 284.7 | 293.5 | 302.3 | 311.1 | 337.3 | 354.7 | 380.6 | 397.7 | 423.3 |
| 700 | 206.5 | 215.8 | 224.9 | 234.1 | 243.1 | 252.2 | 261.3 | 270.3 | 279.3 | 288.3 | 297.2 | 306.1 | 315.0 | 341.5 | 359.1 | 385.3 | 402.7 | 428.6 |
| 800 | 231.6 | 241.9 | 252.2 | 262.5 | 272.7 | 283.0 | 293.1 | 303.3 | 313.4 | 323.5 | 333.5 | 343.5 | 353.6 | 383.4 | 403.1 | 432.5 | 452.0 | 481.2 |
| 870 | 248.8 | 260.0 | 271.0 | 282.1 | 293.1 | 304.2 | 315.1 | 326.0 | 336.9 | 347.8 | 358.6 | 369.3 | 380.1 | 412.2 | 433.4 | 465.0 | 486.0 | 517.3 |
| 900 | 256.1 | 267.6 | 279.0 | 290.5 | 301.8 | 313.1 | 324.4 | 335.7 | 346.9 | 358.1 | 369.2 | 380.3 | 391.4 | 424.4 | 446.3 | 478.8 | 500.4 | 532.7 |
| 1000 | 280.2 | 292.9 | 305.4 | 317.9 | 330.3 | 342.8 | 355.1 | 367.5 | 379.8 | 392.1 | 404.2 | 416.4 | 428.6 | 464.7 | 488.7 | 524.4 | 548.0 | 583.3 |
| 1160 | 318.0 | 332.4 | 346.7 | 361.0 | 375.1 | 389.3 | 403.3 | 417.4 | 431.3 | 445.3 | 459.2 | 473.0 | 486.8 | 527.9 | 555.2 | 595.6 | 622.5 | 662.4 |
| 1750 | 450.5 | 471.1 | 491.5 | 511.8 | 532.0 | 552.2 | 572.2 | 592.2 | 612.1 | 631.9 | 651.6 | 671.1 | 690.8 | 748.9 | 787.3 | 844.2 | 881.9 | 937.8 |
| 2000 | 503.9 | 527.0 | 549.8 | 572.6 | 595.2 | 617.8 | 640.2 | 662.5 | 684.7 | 706.9 | 728.8 | 750.7 | 772.6 | 837.3 | 880.1 | 943.4 | 985.1 | 1047 |
| 3000 | 703.8 | 736.1 | 767.9 | 799.7 | 831.1 | 862.4 | 893.4 | 924.3 | 954.8 | 985.3 | 1015 | 1045 | 1075 | 1163 | 1220 | | | |
| 3450 | 787.3 | 823.2 | 858.7 | 894.1 | 928.9 | 963.7 | 998.1 | 1032 | 1066 | 1100 | 1133 | 1166 | 1198 | | | | | |
| 4000 | 884.0 | 924.1 | 963.7 | 1003 | 1042 | 1080 | 1118 | 1156 | 1193 | | | | | | | | | |

| Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter Inches) | | | | | | | Additional Horsepower per belt for Speed Ratio of Speed-Down Drives | | | | | | | | | RPM of Faster Shaft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 60 | 63 | 67 | 71 | 75 | 80 | 1.00 to | 1.04 to | 1.11 to | 1.20 to | 1.31 to | 1.46 to | 1.68 to | 2.03 to | 2.70 to | 4.65 & |
| 9.825 | 10.527 | 11.053 | 11.755 | 12.457 | 13.158 | 14.036 | 1.03 | 1.10 | 1.19 | 1.30 | 1.45 | 1.67 | 2.02 | 2.69 | 4.64 | Over |
| Refer to selection program : http://beltdriveselector.tbwoods.com | | | | | | | | | | | | | | | | Slower |
| 76.7 | 82.5 | 86.7 | 92.4 | 98.0 | 103.6 | 110.6 | 0.00 | 0.28 | 0.56 | 0.84 | 1.12 | 1.40 | 1.67 | 1.95 | 2.23 | 2.51 | 88 |
| 85.4 | 91.7 | 96.5 | 102.8 | 109.0 | 115.3 | 123.0 | 0.00 | 0.32 | 0.63 | 0.95 | 1.27 | 1.59 | 1.90 | 2.22 | 2.54 | 2.85 | 100 |
| 97.4 | 104.6 | 110.1 | 117.2 | 124.4 | 131.5 | 140.4 | 0.00 | 0.37 | 0.74 | 1.11 | 1.48 | 1.86 | 2.23 | 2.60 | 2.97 | 3.34 | 117 |
| 137.1 | 147.3 | 154.9 | 165.1 | 175.2 | 185.2 | 197.7 | 0.00 | 0.56 | 1.11 | 1.66 | 2.22 | 2.78 | 3.33 | 3.88 | 4.44 | 4.99 | 175 |
| 153.7 | 165.2 | 173.7 | 185.1 | 196.4 | 207.6 | 221.6 | 0.00 | 0.63 | 1.27 | 1.90 | 2.54 | 3.17 | 3.81 | 4.44 | 5.07 | 5.71 | 200 |
| 175.2 | 188.3 | 198.1 | 211.1 | 224.0 | 236.8 | 252.8 | 0.00 | 0.74 | 1.48 | 2.22 | 2.96 | 3.70 | 4.43 | 5.17 | 5.91 | 6.65 | 233 |
| 217.9 | 234.3 | 246.4 | 262.6 | 278.7 | 294.6 | 314.4 | 0.00 | 0.95 | 1.90 | 2.85 | 3.81 | 4.76 | 5.71 | 6.66 | 7.61 | 8.56 | 300 |
| 249.1 | 267.7 | 281.6 | 300.1 | 318.5 | 336.7 | 359.4 | 0.00 | 1.11 | 2.22 | 3.33 | 4.44 | 5.55 | 6.66 | 7.77 | 8.88 | 9.99 | 350 |
| 279.6 | 300.6 | 316.2 | 337.0 | 357.6 | 378.0 | 403.5 | 0.00 | 1.27 | 2.54 | 3.80 | 5.08 | 6.34 | 7.61 | 8.88 | 10.1 | 11.4 | 400 |
| 339.4 | 364.8 | 383.8 | 409.0 | 433.9 | 458.7 | 489.6 | 0.00 | 1.59 | 3.17 | 4.76 | 6.34 | 7.93 | 9.51 | 11.1 | 12.7 | 14.3 | 500 |
| 383.1 | 411.9 | 433.3 | 461.7 | 489.8 | 517.8 | 552.6 | 0.00 | 1.82 | 3.65 | 5.47 | 7.30 | 9.12 | 10.9 | 12.8 | 14.6 | 16.4 | 575 |
| 397.5 | 427.4 | 449.6 | 479.0 | 508.2 | 537.2 | 573.3 | 0.00 | 1.90 | 3.81 | 5.71 | 7.61 | 9.52 | 11.4 | 13.3 | 15.2 | 17.1 | 600 |
| 448.7 | 482.4 | 507.4 | 540.6 | 573.6 | 606.2 | 646.8 | 0.00 | 2.19 | 4.38 | 6.56 | 8.75 | 10.9 | 13.1 | 15.3 | 17.5 | 19.7 | 690 |
| 454.4 | 488.4 | 513.8 | 547.4 | 580.8 | 613.8 | 654.9 | 0.00 | 2.22 | 4.44 | 6.66 | 8.88 | 11.1 | 13.3 | 15.5 | 17.8 | 20.0 | 700 |
| 510.0 | 548.2 | 576.7 | 614.3 | 651.7 | 688.7 | 734.6 | 0.00 | 2.54 | 5.07 | 7.61 | 10.2 | 12.7 | 15.2 | 17.8 | 20.3 | 22.8 | 800 |
| 548.3 | 589.4 | 619.9 | 660.3 | 700.4 | 740.1 | 789.4 | 0.00 | 2.76 | 5.52 | 8.28 | 11.0 | 13.8 | 16.6 | 19.3 | 22.1 | 24.8 | 870 |
| 564.6 | 606.9 | 638.3 | 679.9 | 721.1 | 761.9 | 812.6 | 0.00 | 2.86 | 5.71 | 8.56 | 11.4 | 14.3 | 17.1 | 20.0 | 22.8 | 25.7 | 900 |
| 618.2 | 664.4 | 698.7 | 744.1 | 789.1 | 833.7 | 888.8 | 0.00 | 3.17 | 6.34 | 9.51 | 12.7 | 15.9 | 19.0 | 22.2 | 25.4 | 28.5 | 1000 |
| 702.0 | 754.3 | 793.1 | 844.5 | 895.2 | 945.4 | 1008 | 0.00 | 3.68 | 7.36 | 11.0 | 14.7 | 18.4 | 22.1 | 25.8 | 29.4 | 33.1 | 1160 |
| 992.9 | 1066 | 1119 | 1190 | 1259 | 1327 | 1410 | 0.00 | 5.55 | 11.1 | 16.6 | 22.2 | 27.8 | 33.3 | 38.8 | 44.4 | 49.9 | 1750 |
| 1108 | 1188 | 1247 | 1324 | 1400 | | | 0.00 | 6.35 | 12.7 | 19.0 | 25.4 | 31.7 | 38.1 | 44.4 | 50.7 | 57.1 | 2000 |
| | | | | | | | 0.00 | 9.52 | 19.0 | 28.5 | 38.1 | 47.6 | 57.1 | 66.6 | 76.1 | 85.6 | 3000 |
| | | | | | | | 0.00 | 10.9 | 21.9 | 32.8 | 43.8 | 54.7 | 65.6 | 76.6 | 87.5 | 98.5 | 3450 |
| | | | | | | | 0.00 | 12.7 | 25.4 | 38.0 | 50.8 | 63.4 | 76.1 | 88.8 | 101.5 | 114.2 | 4000 |

### QT Power Chain® II Carbon Belt Length Correction Factor Table

| Pitch/Length Designation | Number of Teeth | Correction Factor |
|---|---|---|
| 14MPCC-994 | 71 | 0.68 |
| 14MPCC-1120 | 80 | 0.73 |
| 14MPCC-1190 | 85 | 0.75 |
| 14MPCC-1260 | 90 | 0.77 |
| 14MPCC-1400 | 100 | 0.81 |
| 14MPCC-1568 | 112 | 0.85 |
| 14MPCC-1610 | 115 | 0.86 |
| 14MPCC-1750 | 125 | 0.89 |
| 14MPCC-1890 | 135 | 0.92 |
| 14MPCC-1960 | 140 | 0.94 |
| 14MPCC-2100 | 150 | 0.96 |
| 14MPCC-2240 | 160 | 0.99 |
| 14MPCC-2310 | 165 | 1.00 |
| 14MPCC-2380 | 170 | 1.01 |

| Pitch/Length Designation | Number of Teeth | Correction Factor |
|---|---|---|
| 14MPCC-2450 | 175 | 1.02 |
| 14MPCC-2520 | 180 | 1.03 |
| 14MPCC-2590 | 185 | 1.04 |
| 14MPCC-2660 | 190 | 1.05 |
| 14MPCC-2800 | 200 | 1.07 |
| 14MPCC-3136 | 224 | 1.12 |
| 14MPCC-3304 | 236 | 1.14 |
| 14MPCC-3360 | 240 | 1.14 |
| 14MPCC-3500 | 250 | 1.16 |
| 14MPCC-3850 | 275 | 1.19 |
| 14MPCC-3920 | 280 | 1.20 |
| 14MPCC-4326 | 309 | 1.24 |
| 14MPCC-4410 | 315 | 1.25 |