

QT Power Chain® II Carbon Drive Selection

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			AC Motors: High Torque, High Slip, Repulsion-Induction, Single Phase, Series Wound, Slip Ring.		
	DC Motors: Shunt Wound, Stepper Motors			DC Motors: Series Wound, Compound Wound, Servo Motors.		
	Engines: Multiple Cylinder Internal Combustion.			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 Instrumentation Measuring Equipment Medical Equipment Office, Projection Equipment	1.0	1.2	1.4	1.2	1.4	1.6
Appliances, Sweepers, Sewing Machines Screens, Oven Screens, Drum, Conical Woodworking Equipment: (Light) Band Saws, Drills, Lathes	1.1	1.3	1.5	1.3	1.5	1.7
Agitators for Liquids Conveyors: Belt, Light Package Drill Press, Lathes, Saws Laundry Machinery Woodworking Equipment: (Heavy) Circular Saws, Joiners, Planers	1.2	1.4	1.6	1.6	1.8	2.0
Agitators: Semi-liquid Compressors: Centrifugal Conveyor Belt: Coal, Ore, Sand Dough Mixers Line Shafts Machine Tools: Grinder, Shaper Boring Mill, Milling Machines Paper Machinery (except Pulpers) Presses, Punches, Shears Printing Machinery Pumps: Centrifugal, Gear Screens: Revolving, Vibratory	1.3	1.5	1.7	1.6	1.8	2.0
Brick Machinery (except Pug Mills) Conveyor: Apron, Pan, Bucket, Elevator Extractors, Washers Fans, Centrifugal Blowers Generators & Exciters Hoists Rubber Calendar, Mills, Extruders	1.4	1.6	1.8	1.8	2.0	2.2
Centrifuges Screw Conveyors Hammer Mills Paper Pulpers Textile Machinery	1.5	1.7	1.9	1.9	2.1	2.3
Blowers: Positive Displacement Mine Fans Pulverizers	1.6	1.8	2.0	2.0	2.2	2.4
Compressors, Reciprocating Crushers: Gyratory, Jaw, Roll Mills: Ball, Rod, Pebble, etc. Pumps, Reciprocating Saw Mill Equipment	1.7	1.9	2.1	2.1	2.3	2.5

QT Power Chain® II Carbon Drive Selection

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)					
	575 485*	690 575*	870 725*	1160 950*	1750 1425*	3450 2850*
1/2	—	—	2.0	—	—	—
3/4	—	—	2.2	2.0	—	—
1	2.7	2.3	2.2	2.2	2.0	—
1 1/2	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
7 1/2	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	—	—	—	—

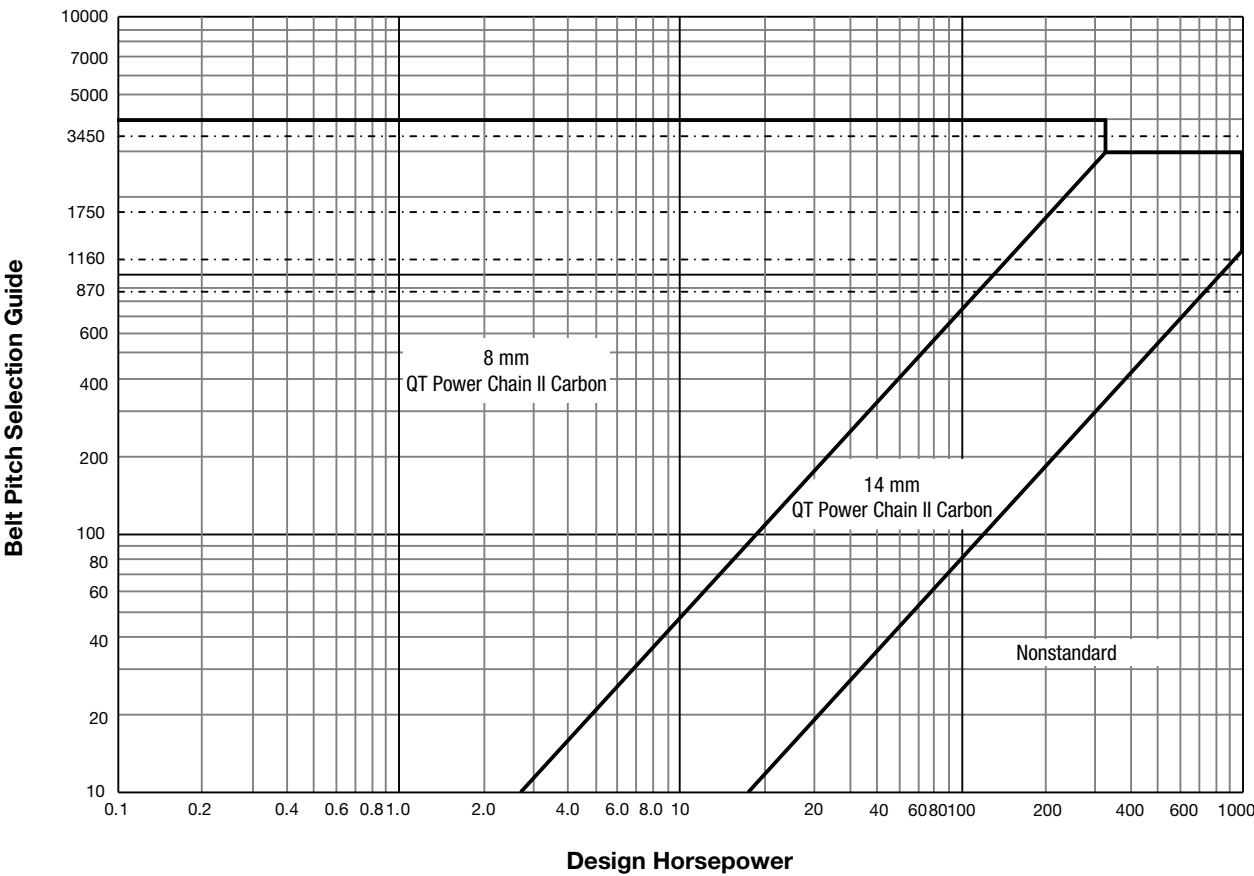
* Indicates 50 cycle RPM electric motors. # Frame 444T use 8.6.

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.

QT Power Chain® II Carbon Drive Selection

Pitch Selection

Belt Pitch Selection Guide
Table 3



QT Power Chain® II Carbon Drive Selection

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 $\pm 5\%$. 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

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

Example

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.

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

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

Example

14mm Pitch Drive with 40 groove driveR:

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

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

$$\text{Rated Drive Horsepower} = [\text{Rated Base Horsepower} + \text{Additional Horsepower for Speed Ratio}] \times (\text{Belt Length Correction Factor})$$

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.

Standard Belt Drive Selection Procedure

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.

$$\begin{aligned} \text{Calculate the Corrected Horsepower Rating (Formula 4):} \\ \text{Rated Drive Horsepower} &= [77.9 \text{ HP} + 3.53 \text{ HP}] \times (1.01) \\ &= 82.24 \text{ HP} \end{aligned}$$

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

QT Power Chain® II Carbon Drive Selection

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.

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.

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

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.

QT Power Chain® II Carbon Drive Selection

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 to 30:1 to 200:1	Single	97.0%
		Double	94.1%
		Triple	91.3%
Planetary Reducer	3.5:1 - 6:1 to 30:1 to 200:1 to 1800:1	Single	97.5%
		Double	95.1%
		Triple	92.7%
		Quadruple	90.4%
Cycloidal Reducer	6:1 - 119:1 to 7,500:1 to 658,000:1	Single	92.5%
		Double	85.6%
		Triple	79.1%
Worm Gear Reducer	5:1 - 75:1 to 6,000:1	Single	45%-94%
		Double	28%-65%

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

QT Power Chain® II Carbon Drive Selection

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				Speed Ratio	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)																	
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		
80	8.020	80	8.020	1.000									9.450	11.02	11.50	12.60	15.75	18.90		
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	17.48	17.95	19.05	22.20	25.35	28.50		
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								

QT Power Chain® II Carbon Drive Selection

8mm Pre-Engineered 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
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																

QT Power Chain® II Carbon Drive Selection

8mm Pre-Engineered Drive Selection Table

Sprocket Combinations				Speed Ratio	Center Distance (in)														
DriverR		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)																
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	13.30	14.87	16.45	16.92	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	13.78	15.35	16.93	17.40	18.50	21.65	24.80	27.95	
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	7.09	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	
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	7.09	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	
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	16.85	17.32	18.42	21.57	24.72	27.87	
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	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	
80	8.020	90	9.023	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	
63	6.316	71	7.118	1.127	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	
71	7.118	80	8.020	1.127	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	
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	11.73	13.07	13.86	14.64	16.22	17.79	18.27	19.37	22.52	25.67	28.82	
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	23.22	26.37	29.52	
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	13.05	14.63	16.21	16.68	17.78	20.93	24.08	27.23	
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					

QT Power Chain® II Carbon Drive Selection

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
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															

QT Power Chain® II Carbon Drive Selection

8mm Pre-Engineered Drive Selection Table

Sprocket Combinations				Speed Ratio	Center Distance (in)													
DriverR		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)															
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	12.74	14.32	15.90	16.37	17.47	20.62	23.77	26.92
60	6.015	75	7.519	1.250				8.24	9.02	9.81	10.60	12.18	13.76	14.23	15.33	18.48	21.63	24.78
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	12.34	13.92	15.50	15.97	17.07	20.22	23.37	26.52
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	11.79	13.37	14.95	15.42	16.52	19.67	22.82	25.97
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	11.23	12.81	14.39	14.86	15.96	19.11	22.26	25.41
71	7.118	90	9.023	1.268							9.32	10.90	12.48	13.96	15.44	18.59	21.74	24.89
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	9.96	11.54	13.12	13.59	14.69	17.84	20.99	24.14
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	9.91	11.81	13.14	13.93	14.72	16.29	17.87	18.34	19.44	22.59	25.74	28.89
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
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QT Power Chain® II Carbon Drive Selection

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
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						

QT Power Chain® II Carbon Drive Selection

8mm Pre-Engineered Drive Selection Table

Sprocket Combinations				Speed Ratio	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)															
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
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
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.														

QT Power Chain® II Carbon Drive Selection

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.															

QT Power Chain® II Carbon Drive Selection

8mm Pre-Engineered Drive Selection Table

Sprocket Combinations				Speed Ratio	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)																	
45	4.511	71	7.118	1.578	8.09		6.49	8.41	9.68	10.47	11.26	12.85	14.43	14.90	16.01	19.17	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			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				8.26	9.54	10.34										

QT Power Chain® II Carbon Drive Selection

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
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</										

QT Power Chain® II Carbon Drive Selection

8mm Pre-Engineered Drive Selection Table

Sprocket Combinations				Speed Ratio	Center Distance (in)															
DriverR		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)																	
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.																

QT Power Chain® II Carbon Drive Selection

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
28.87	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	8				

QT Power Chain® II Carbon Drive Selection

8mm Pre-Engineered Drive Selection Table

Sprocket Combinations				Speed Ratio	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-886 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)															
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	9.14	10.44	11.24	12.04	13.64	15.24	15.72	16.84	20.01	23.18	26.35
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										

QT Power Chain® II Carbon Drive Selection

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															

QT Power Chain® II Carbon Drive Selection

8mm Pre-Engineered Drive Selection Table

Sprocket Combinations				Speed Ratio	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)															
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														
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	16.59	19.82	23.03
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														23.03
29	2.907	112	11.229	3.862														23.10
36	3.609	140	14.036	3.889														
28	2.807	112	11.229	4.000														
35	3.509	140	14.036	4.000														
45	4.511	180	18.046	4.000														
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	15.95	19.15	22.35
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	15.81	19.01	22.21
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														
31	3.108	140	14.036	4.516														
39	3.910	180	18.046	4.615											8.89	10.23	13.78	17.15
30	3.008	140	14.036	4.667											8.95	10.29	13.85	17.22
48	4.812	224	22.457	4.667														
38	3.810	180	18.046	4.737														
29	2.907	140	14.036	4.828											9.01	10.35	13.91	17.28
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
36	3.609	180	18.046	5.000											12.30	14.00	17.35	20.65
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														
27	2.707	140	14.036	5.185											9.12	10.47	14.04	17.42
34	3.409	180	18.046	5.294											17.42	14.04	17.42	20.72
42	4.211	224	22.457	5.333													12.42	16.10
26	2.607	140	14.036	5.385											9.18	10.53	14.10	17.48
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														

* 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

Center Distance (in)																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	Speed Ratio	DriveR	
																	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		

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)															
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									

QT Power Chain® II Carbon Drive Selection

14mm Pre-Engineered Drive Selection Table

Center Distance (in)														Speed Ratio	Sprocket Combinations	
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		DriveN	DriveN
															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													

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. 48.61 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)															
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.											

QT Power Chain® II Carbon Drive Selection

14mm Pre-Engineered Drive Selection Table

Center Distance (in)														Speed Ratio	Sprocket Combinations	
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-3680 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		DriveR	DriveN
															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										

QT Power Chain® II Carbon Drive Selection

14mm Pre-Engineered Drive Selection Table

Sprocket Combinations				Speed Ratio	Center Distance (in)													
Driver		Driven			14MPCC-984 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)															
53	9.299	67	11.755	1.264	8.92	11.41	12.79	14.17	16.93	20.24	15.11	17.87	20.63	22.01	24.77	27.53	28.91	
34	5.965	43	7.544	1.265														
30	5.263	38	6.667	1.267														
56	9.825	71	12.457	1.268														
71	12.457	90	15.790	1.268	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	
63	11.053	80	14.036	1.270														
29	5.088	37	6.492	1.276														
39	6.842	50	8.772	1.282														
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														
31	5.439	40	7.018	1.290														
37	6.492	48	8.421	1.297														
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														
33	5.790	43	7.544	1.303														

QT Power Chain® II Carbon Drive Selection

14mm Pre-Engineered Drive Selection Table

Center Distance (in)														Speed Ratio	Sprocket Combinations	
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-3680 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		DriveR	DriveN
															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	5										

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. 82.66 150 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)															
53	9.299	80	14.036	1.509														
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.				

QT Power Chain® II Carbon Drive Selection

14mm Pre-Engineered Drive Selection Table

Center Distance (in)														Speed Ratio	Sprocket Combinations	
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		DriveR	DriveN
															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															

QT Power Chain® II Carbon Drive Selection

14mm Pre-Engineered Drive Selection Table

Center Distance (in)														Speed Ratio	Sprocket Combinations		
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-3196 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</								

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. 86.19 160 Teeth	14MPCC-2310 P.L. 90.94 165 Teeth	
Number of Grooves	Pitch Diameter (inches)	Number of Grooves	Pitch Diameter (inches)															
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														

QT Power Chain® II Carbon Drive Selection

14mm Pre-Engineered Drive Selection Table

Center Distance (in)														Speed Ratio	Sprocket Combinations	
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-3196 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		DriveR Number of Grooves	DriveN 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
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	2.987	75	224
					22.02	29.19	32.69	33.84	36.71	43.81	45.23	53.38	55.06	3.000	30	90
							26.54	30.11	31.28	34.19	41.37	42.79	50.99	3.000	56	168
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	60	180
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	37	112
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	3.103	29	90
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	36	112
										32.30	33.81	42.36	44.10	3.111	45	140
					22.35	29.54	33.03	34.19	37.06	44.18	45.59	53.75	55.44	3.155	71	224
						25.97	27.20	30.23	37.61	44.78	46.19	54.35	56.03	3.170	53	168
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	3.175	63	200
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	3.200	35	112
						26.99	30.56	31.74	34.65	41.84	43.27	51.48	53.17	3.214	28	90
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	3.214	56	180
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	3.256	43	140
							26.29	27.53	30.57	37.95	39.41	47.74	49.45	3.294	34	112
										32.74	34.26	42.82	44.57	3.333	60	200
					22.67	29.88	33.38	34.54	37.41	44.54	45.96	54.12	55.81	3.343	67	224
														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
											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						

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														

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

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://beltselector.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://beltselector.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					

QT Power Chain® II Carbon Drive Selection

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://beltdrive-selector.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://beltdrive-selector.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																				

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 2.206	25 2.506	28 2.807	30 3.008	32 3.208	33 3.308	34 3.409	35 3.509	36 3.609	37 3.709	38 3.810	39 3.910	40 4.010	41 4.110	42 4.211	45 4.511	48 4.812
Slower	Refer to selection program : http://beltselector.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 2.206	25 2.506	28 2.807	30 3.008	32 3.208	34 3.409	36 3.609	38 3.810	40 4.010	42 4.211	45 4.511	48 4.812
Slower	Refer to selection program : http://beltselector.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	Pitch/Length Designation	Number of Teeth	Correction Factor
8MPCC-640	80	0.79	8MPCC-1200	150	1.03</

QT Power Chain® II Carbon Drive Selection

8mm Basic Horsepower Tables

Horsepower Rating for 36mm Wide

									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://beltselector.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

									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://beltselector.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															

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 4.912	29 5.088	30 5.263	31 5.439	32 5.614	33 5.790	34 5.965	35 6.141	36 6.316	37 6.492	38 6.667	39 6.842	40 7.018	43 7.544	45 7.895	48 8.421	50 8.772	53 9.299
Slower	Refer to selection program : http://beltdrive-selector.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				
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 4.912	29 5.088	30 5.263	31 5.439	32 5.614	33 5.790	34 5.965	35 6.141	36 6.316	37 6.492	38 6.667	39 6.842	40 7.018	43 7.544	45 7.895	48 8.421	50 8.772	53 9.299
Slower	Refer to selection program : http://beltdrive-selector.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	1															

QT Power Chain® II Carbon Drive Selection

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 9.825	60 10.527	63 11.053	67 11.755	71 12.457	75 13.158	80 14.036	1.00 to 1.03	1.04 to 1.10	1.11 to 1.19	1.20 to 1.30	1.31 to 1.45	1.46 to 1.67	1.68 to 2.02	2.03 to 2.69	2.70 to 4.64	4.65 & Over	
Refer to selection program : http://belt.driveselector.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 9.825	60 10.527	63 11.053	67 11.755	71 12.457	75 13.158	80 14.036	1.00 to 1.03	1.04 to 1.10	1.11 to 1.19	1.20 to 1.30	1.31 to 1.45	1.46 to 1.67	1.68 to 2.02	2.03 to 2.69	2.70 to 4.64	4.65 & Over	
Refer to selection program : http://belt.driveselector.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

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
	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
Slower	Refer to selection program : http://belt.driveselector.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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
	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
Slower	Refer to selection program : http://belt.driveselector.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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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	7									

QT Power Chain® II Carbon Drive Selection

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 9.825	60 10.527	63 11.053	67 11.755	71 12.457	75 13.158	80 14.036	1.00 to 1.03	1.04 to 1.10	1.11 to 1.19	1.20 to 1.30	1.31 to 1.45	1.46 to 1.67	1.68 to 2.02	2.03 to 2.69	2.70 to 4.64	4.65 & 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 9.825	60 10.527	63 11.053	67 11.755	71 12.457	75 13.158	80 14.036	1.00 to 1.03	1.04 to 1.10	1.11 to 1.19	1.20 to 1.30	1.31 to 1.45	1.46 to 1.67	1.68 to 2.02	2.03 to 2.69	2.70 to 4.64	4.65 & 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		

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
	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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		1047
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	</												