



***SYNCHRONOUS  
BELT DRIVES***



**EMERSON POWER TRANSMISSION**



**Browning**<sup>®</sup>

# **Panther**<sup>™</sup> **Power**

**MORE HORSEPOWER  
PER DOLLAR...**

**For Positive Performance, Choose...**

**BROWNING<sup>®</sup> Panther<sup>®</sup> Synchronous Drive Systems.**

*Todays Choice For: Strength, Endurance, Cleanliness, Quiet Operating Conditions, and Maintenance-Free Performance.*

■ **High Performance**

Panther belts provide up to 200% more horsepower than similar sizes of HPT<sup>®</sup> belts. The advanced belt design will allow the product to provide *More Horsepower per Dollar* than traditional synchronous belt drive products.

■ **High Efficiency**

The positive tooth engagement between belt and sprocket results in zero slippage or creep. The narrow cross section reduces frictional losses and improves drive efficiency.

■ **Synchronization**

Ideal for synchronized drives required in applications such as Printing and Packaging Machinery.

■ **High Speed Drives**

Gives you the horsepower capability of a chain drive and the speed capability of belt drives.

■ **Environmentally Cleaner**

Eliminates EPA issues involved with the disposal of waste lubricant.

■ **No Lubrication Required**

BROWNING PTH Drives eliminate the maintenance issues normally associated with *Roller Chain or Gear Drives*. This makes them ideal for applications in Food Processing, Textile Machinery, Paper Machinery, etc.

■ **Durable**

Superior heat resistance up to 230°F. Exceptional resistance to flex fatigue and ozone.

■ **Versatile**

Historically, synchronous drives have been design limited by the belt length availability. With BROWNING Panther drives, you have backside idler capability which insures that drive selection is not limited by fixed center distances.

■ **Tough**

Aramid fiber tensile member provides greater shock load capability than fiberglass corded belts.

■ **Specials Availability**

Dual sided belts are available on a *Made To Order* basis.





**INCORPORATES  
BROWNING SPLIT TAPER BUSHINGS**  
The only bushing keyed to both shaft and hub.

**BROWNING RPP® PANTHER® SPROCKET  
(Reinforced Parabolic Profile)**  
The parabolic profile possesses a deeper tooth profile when compared to traditional timing belts; the depth and design of the tooth profile permit an increase in power transmission and reduction of interference between belt and sprocket during engagement.

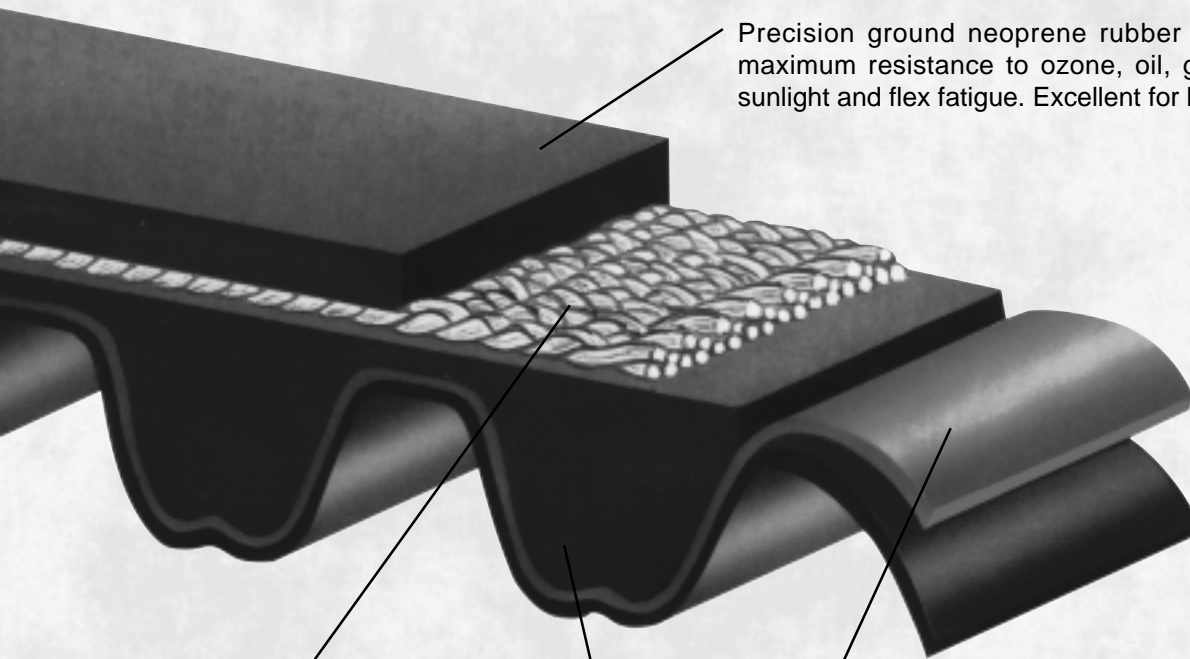
**BROWNING PANTHER® BELT**  
Provides higher horsepower capabilities than other synchronous drives.

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# **Panther<sup>®</sup> Power**

**Look At What The Most Technologically Advanced Synchronous Drives Are Wearing...**

**Check Out These RPP<sup>®</sup> Panther<sup>®</sup> Belt Construction Features...**



Precision ground neoprene rubber backing designed for maximum resistance to ozone, oil, grease, heat build-up, sunlight and flex fatigue. Excellent for backside idlers.

Highly flexible and shock resistant ARAMID tensile fiber cord, chemically treated for maximum length stability. S & Z twist construction for straight-line tracking.

Unique, patented graphite loaded self-lubricating DOUBLE nylon covers increase drive efficiency. Superior resistance to ozone, friction wear and abrasion.

High quality neoprene rubber teeth, modified with a special STIFLEX<sup>®</sup> fiber, loaded transversely for maximum torque and resistance to tooth shear without affecting belt flexibility. Precise forming and accurate spacing of the teeth assure smooth, uniform transfer of power.

**BROWNING PTH Belts are available from stock in the following Pitch Sizes and Belt Widths:**

**8mm Pitch**

12mm Belt Width (0.47 in.)  
22mm Belt Width (0.87 in.)  
35mm Belt Width (1.38 in.)  
60mm Belt Width (2.36 in.)

**14mm Pitch**

20mm Belt Width (0.79 in.)  
42mm Belt Width (1.65 in.)  
65mm Belt Width (2.56 in.)  
90mm Belt Width (3.54 in.)  
120mm Belt Width (4.72 in.)

## The **BROWNING** Split Taper Bushing

Here's why...

- Holds sprockets on shaft with vise-like pressure, yet permits quick, easy mounting. Finished Bore and Minimum Bore types also available.
- Keyed to both shaft and hub. External key provides positive drive with no torque on the capscrews.
- Highest torque – carrying capacity.
- Double – Split Barrel assures true concentricity and grips the shaft with positive clamp fit.
- Bore sizes from 3/8" to 10", also 10mm to 95mm and splines.

## The **NEW!**

## **BROWNING RPP® Panther® Belts**

The benefits are...

- Impact absorption.
- Reduced interference.
- Reduced drive noise.
- Increased tooth jump resistance.
- Increased power ratings.
- Increased tooth shear resistance.



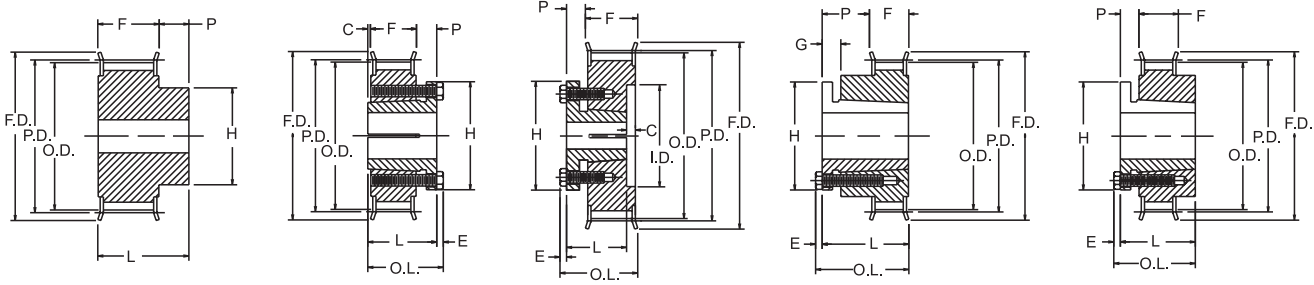




# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



## RPP<sup>®</sup> PANTHER<sup>®</sup> SPROCKETS



TYPE MPB

TYPE 1

TYPE 1A

TYPE 2

TYPE 3

### FOR 8M12 BELTS – 8mm PITCH – 12mm BELT WIDTH (.47 in), SPROCKET FACE WIDTH = 21mm (.83 in)

PART NUMBER	BUSHING	TYPE	BORE RANGE		NO. TEETH	DIAMETERS				DIMENSIONS								WT. LBS.	
			MIN	MAX		F.D.	P.D.	O.D.	I.D.	O.L.	F	L	P	C	H	G	X		E
B22PTH8M12MPB	-	MPB	.500	1.000	22	2.559	2.206	2.154	-	-	.83	1.434	.625	-	1.625	-	-	-	.92
B24PTH8M12MPB	-	MPB	.500	1.250	24	2.756	2.406	2.354	-	-	.83	1.434	.625	-	1.790	-	-	-	1.15
B26PTH8M12MPB	-	MPB	.500	1.250	26	2.953	2.607	2.554	-	-	.83	1.434	.625	-	2.000	-	-	-	1.42
B28PTH8M12H	H	1	.375	1.500	28	3.150	2.807	2.755	-	1.438	.83	1.250	.438	-	2.500	-	-	.188	.67
B30PTH8M12H	H	1	.375	1.500	30	3.346	3.008	2.955	-	1.438	.83	1.250	.438	-	2.500	-	-	.188	.86
B32PTH8M12H	H	1	.375	1.500	32	3.543	3.208	3.155	-	1.438	.83	1.250	.438	-	2.500	-	-	.188	1.06
B34PTH8M12P	P1	2	.500	1.750	34	3.819	3.409	3.355	-	2.188	.83	1.938	1.108	-	3.000	.625	-	.250	1.65
B36PTH8M12P	P1	2	.500	1.750	36	3.937	3.609	3.556	-	2.188	.83	1.938	1.108	-	3.000	.625	-	.250	1.86
B38PTH8M12P	P1	2	.500	1.750	38	4.134	3.810	3.756	-	2.188	.83	1.938	1.108	-	3.000	.625	-	.250	1.86
B40PTH8M12P	P1	2	.500	1.750	40	4.331	4.010	3.956	-	2.188	.83	1.938	1.108	-	3.000	.625	-	.250	2.67
B44PTH8M12B	B	3	.500	2.438	44	4.764	4.411	4.357	-	2.297	.83	1.938	.719	-	3.688	-	-	.250	2.58
B48PTH8M12B	B	3	.500	2.438	48	5.157	4.812	4.757	-	2.297	.83	1.938	.719	-	3.688	-	-	.250	3.40
B56PTH8M12B	B	2	.500	2.438	56	5.945	5.614	5.558	-	2.297	.83	1.938	1.203	-	3.688	.719	-	.250	5.54
B64PTH8M12B	B	2	.500	2.438	64	6.772	6.416	6.359	-	2.297	.83	1.938	1.203	-	3.688	.719	-	.250	7.19
B72PTH8M12B	B	2	.500	2.438	72	7.598	7.218	7.160	-	2.297	.83	1.938	1.203	-	3.688	.719	-	.250	9.09
B80PTH8M12B	B	7	.500	2.438	80	8.386	8.020	7.961	7.206	2.297	.83	1.938	.961	.234	3.688	.719	1.313	.250	9.88
B90PTH8M12B	B	7	.500	2.438	90	-	9.023	8.963	7.956	2.297	.83	1.938	.961	.234	3.688	.719	1.313	.250	12.60
B112PTH8M12Q	Q1	8	.750	2.688	112	-	11.229	11.166	10.047	2.781	.83	2.500	1.210	.460	4.125	.750	1.750	.281	15.80
B144PTH8M12Q	Q1	8	.750	2.688	144	-	14.437	14.370	13.125	2.781	.83	2.500	1.210	.460	4.125	.750	1.750	.281	17.40
B192PTH8M12R	R1	8	1.125	3.750	192	-	19.249	19.176	17.766	3.156	.83	2.875	1.460	.585	5.375	.875	2.000	.281	25.40

### FOR 8M22 BELTS – 8mm PITCH – 22mm BELT WIDTH (.87 in), SPROCKET FACE WIDTH = 31mm (1.22 in)

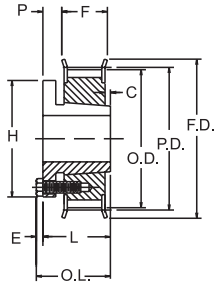
PART NUMBER	BUSHING	TYPE	BORE RANGE		NO. TEETH	DIAMETERS				DIMENSIONS								WT. LBS.	
			MIN	MAX		F.D.	P.D.	O.D.	I.D.	O.L.	F	L	P	C	H	G	X		E
B22PTH8M22MPB	-	MPB	.500	1.000	22	2.559	2.206	2.154	-	-	1.22	1.824	.625	-	1.625	-	-	-	1.20
B24PTH8M22MPB	-	MPB	.500	1.250	24	2.756	2.406	2.354	-	-	1.22	1.824	.625	-	1.790	-	-	-	1.50
B26PTH8M22MPB	-	MPB	.500	1.250	26	2.953	2.607	2.554	-	-	1.22	1.824	.625	-	2.000	-	-	-	1.84
B28PTH8M22H	H	1A	.375	1.500	28	3.150	2.807	2.755	2.000	1.845	1.22	1.250	.438	.345	2.500	-	-	.188	1.84
B30PTH8M22H	H	1A	.375	1.500	30	3.346	3.008	2.955	2.158	1.845	1.22	1.250	.438	.345	2.500	-	-	.188	1.07
B32PTH8M22H	H	1A	.375	1.500	32	3.543	3.208	3.155	2.358	1.845	1.22	1.250	.438	.345	2.500	-	-	.188	1.30
B34PTH8M22P	P1	4	.500	1.750	34	3.819	3.409	3.355	-	2.188	1.22	1.938	.625	.110	3.000	-	-	.250	1.59
B36PTH8M22P	P1	4	.500	1.750	36	3.937	3.609	3.556	-	2.188	1.22	1.938	.625	.110	3.000	-	-	.250	1.90
B38PTH8M22P	P1	4	.500	1.750	38	4.134	3.810	3.756	-	2.188	1.22	1.938	.625	.110	3.000	-	-	.250	2.37
B40PTH8M22P	P1	4	.500	1.750	40	4.331	4.010	3.956	-	2.188	1.22	1.938	.625	.110	3.000	-	-	.250	2.79
B44PTH8M22B	B	4	.500	2.438	44	4.764	4.411	4.357	-	2.188	1.22	1.938	.719	-	3.688	-	-	.250	2.71
B48PTH8M22B	B	4	.500	2.438	48	5.157	4.812	4.757	-	2.188	1.22	1.938	.719	-	3.688	-	-	.250	3.76
B56PTH8M22B	B	4	.500	2.438	56	5.945	5.614	5.558	-	2.188	1.22	1.938	.719	-	3.688	-	-	.250	5.99
B64PTH8M22B	B	4	.500	2.438	64	6.772	6.416	6.359	-	2.188	1.22	1.938	.719	-	3.688	-	-	.250	8.46
B72PTH8M22B	B	4	.500	2.438	72	7.598	7.218	7.160	-	2.188	1.22	1.938	.719	-	3.688	-	-	.250	11.25
B80PTH8M22Q	Q1	7	.750	2.688	80	8.386	8.020	7.961	-	2.781	1.22	2.500	1.015	.266	4.125	.750	1.750	.281	12.10
B90PTH8M22Q	Q1	7	.750	2.688	90	-	9.023	8.963	7.956	2.781	1.22	2.500	1.015	.266	4.125	.750	1.750	.281	14.80
B112PTH8M22Q	Q1	8	.750	2.688	112	-	11.229	11.166	10.047	2.781	1.22	2.500	1.015	.265	4.125	.750	1.750	.281	17.70
B144PTH8M22Q	Q1	8	.750	2.688	144	-	14.437	14.370	13.125	2.781	1.22	2.500	1.015	.265	4.125	.750	1.750	.281	20.20
B192PTH8M22R	R1	8	1.125	3.750	192	-	19.249	19.176	17.766	3.156	1.22	2.875	1.265	.390	5.375	.875	2.000	.281	29.60

Note: "L" Dimension designates bushing length for all bushed products.

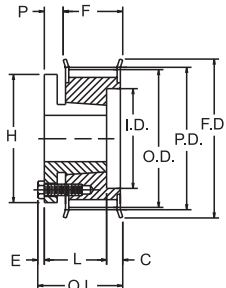
WEIGHTS FOR ALL BUSHED ITEMS ARE APPROXIMATE AND DO NOT INCLUDE THE BUSHINGS.



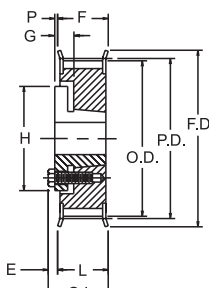
**RPP® PANTHER® SPROCKETS**



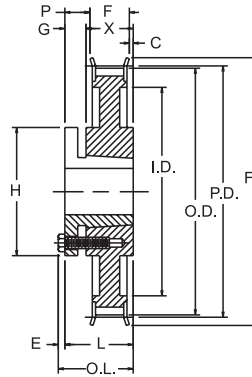
**TYPE 4**



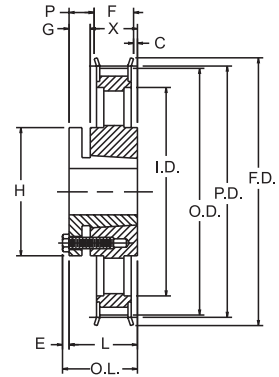
**TYPE 5**



**TYPE 6**



**TYPE 7**



**TYPE 8**

**FOR 8M35 BELTS – 8mm PITCH – 35mm BELT WIDTH (1.38 in), SPROCKET FACE WIDTH = 44mm (1.73 in)**

PART NUMBER	BUSHING	TYPE	BORE RANGE		NO. TEETH	DIAMETERS				DIMENSIONS								WT. LBS.	
			MIN	MAX		F.D.	P.D.	O.D.	I.D.	O.L.	F	L	P	C	H	G	X		E
B22PTH8M35MPB	-	MPB	.500	1.000	22	2.559	2.206	2.154	-	-	1.73	2.366	.625	-	1.625	-	-	-	1.58
B24PTH8M35MPB	-	MPB	.500	1.125	24	2.756	2.406	2.354	-	-	1.73	2.366	.625	-	1.822	-	-	-	1.50
B26PTH8M35MPB	-	MPB	.500	1.250	26	2.953	2.607	2.554	-	-	1.73	2.366	.625	-	1.875	-	-	-	2.34
B28PTH8M35H	H	1A	.375	1.500	28	3.150	2.807	2.755	2.000	2.372	1.73	1.250	.438	.871	2.500	-	-	.188	2.84
B30PTH8M35H	H	1A	.375	1.500	30	3.346	3.008	2.955	2.140	2.372	1.73	1.250	.438	.871	2.500	-	-	.188	1.37
B32PTH8M35H	H	1A	.375	1.500	32	3.543	3.208	3.155	2.266	2.372	1.73	1.250	.438	.871	2.500	-	-	.188	1.81
B34PTH8M35P	P1	5	.500	1.750	34	3.819	3.409	3.355	2.453	2.621	1.73	1.938	.625	.433	3.000	-	-	.250	2.04
B36PTH8M35P	P1	5	.500	1.750	36	3.937	3.609	3.556	2.453	2.621	1.73	1.938	.625	.433	3.000	-	-	.250	2.50
B38PTH8M35P	P1	5	.500	1.750	38	4.134	3.810	3.756	2.890	2.621	1.73	1.938	.625	.433	3.000	-	-	.250	3.02
B40PTH8M35P	P1	5	.500	1.750	40	4.331	4.010	3.956	3.016	2.621	1.73	1.938	.625	.433	3.000	-	-	.250	3.32
B44PTH8M35B	B	5	.500	2.438	44	4.764	4.411	4.357	3.141	2.720	1.73	1.938	.719	.433	3.688	-	-	.250	3.52
B48PTH8M35B	B	5	.500	2.438	48	5.157	4.812	4.757	3.641	2.720	1.73	1.938	.719	.433	3.688	-	-	.250	4.51
B56PTH8M35Q	Q1	4	.750	2.688	56	5.945	5.614	5.558	-	2.781	1.73	2.500	.750	-	4.125	-	-	.281	7.95
B64PTH8M35Q	Q1	4	.750	2.688	64	6.772	6.416	6.359	-	2.781	1.73	2.500	.750	-	4.125	-	-	.281	11.56
B72PTH8M35Q	Q1	4	.750	2.688	72	7.598	7.218	7.160	-	2.781	1.73	2.500	.750	-	4.125	-	-	.281	15.14
B80PTH8M35R	R1	2	1.125	3.750	80	8.386	8.020	7.961	-	3.156	1.73	2.875	1.145	-	5.375	.875	-	.281	18.07
B90PTH8M35R	R1	2	1.125	3.750	90	-	9.023	8.963	-	3.156	1.73	2.875	1.145	-	5.375	.875	-	.281	24.66
B112PTH8M35R	R1	8	1.125	3.750	112	-	11.229	11.166	10.391	3.156	1.73	2.875	1.010	.135	5.375	.875	2.000	.281	16.20
B144PTH8M35R	R1	8	1.125	3.750	144	-	14.437	14.370	13.047	3.156	1.73	2.875	1.010	.135	5.375	.875	2.000	.281	26.20
B192PTH8M35R	R1	8	1.125	3.750	192	-	19.249	19.176	17.672	3.156	1.73	2.875	1.010	.135	5.375	.875	2.000	.281	41.20

**FOR 8M60 BELTS – 8mm PITCH – 60mm BELT WIDTH (2.36 in), SPROCKET FACE WIDTH = 70mm (2.76 in)**

PART NUMBER	BUSHING	TYPE	BORE RANGE		NO. TEETH	DIAMETERS				DIMENSIONS								WT. LBS.	
			MIN	MAX		F.D.	P.D.	O.D.	I.D.	O.L.	F	L	P	C	H	G	X		E
B22PTH8M60MPB	-	MPB	.500	1.000	22	2.559	2.206	2.154	-	-	2.76	3.364	.625	-	1.617	-	-	-	2.34
B24PTH8M60MPB	-	MPB	.500	1.125	24	2.756	2.406	2.354	-	-	2.76	3.364	.625	-	1.813	-	-	-	2.90
B26PTH8M60MPB	-	MPB	.500	1.250	26	2.953	2.607	2.554	-	-	2.76	3.364	.625	-	2.000	-	-	-	3.48
B28PTH8M60MPB	-	MPB	.375	1.500	28	3.150	2.807	2.755	-	-	2.76	3.364	.625	-	2.282	-	-	-	4.16
B30PTH8M60MPB	-	MPB	.375	1.625	30	3.346	3.008	2.955	-	-	2.76	3.364	.625	-	2.469	-	-	-	4.19
B32PTH8M60MPB	-	MPB	.375	1.875	32	3.543	3.208	3.155	-	-	2.76	3.494	.750	-	2.688	-	-	-	5.71
B34PTH8M60MPB	-	MPB	.500	2.000	34	3.819	3.409	3.355	-	-	2.76	3.494	.750	-	2.938	-	-	-	7.08
B36PTH8M60P	P1	5	.500	1.750	36	3.937	3.609	3.556	2.453	3.635	2.76	1.938	.625	1.447	3.000	-	-	.250	2.87
B38PTH8M60P	P1	5	.500	1.750	38	4.134	3.810	3.756	2.890	3.635	2.76	1.938	.625	1.447	3.000	-	-	.250	4.44
B40PTH8M60P	P1	5	.500	1.750	40	4.331	4.010	3.956	3.016	3.635	2.76	1.938	.625	1.447	3.000	-	-	.250	4.46
B44PTH8M60B	B	5	.500	2.438	44	4.764	4.411	4.357	3.141	3.729	2.76	1.938	.719	1.541	3.688	-	-	.250	5.12
B48PTH8M60B	B	5	.500	2.438	48	5.157	4.812	4.757	3.641	3.729	2.76	1.938	.719	1.541	3.688	-	-	.250	6.12
B56PTH8M60B	B	5	.500	2.438	56	5.945	5.614	5.558	4.016	3.729	2.76	1.938	.719	1.541	3.688	-	-	.250	9.98
B64PTH8M60R	R1	5	1.125	3.750	64	6.772	6.416	6.359	5.016	3.947	2.76	2.875	.875	.760	5.375	-	-	.281	11.52
B72PTH8M60R	R1	6	1.125	3.750	72	7.598	7.218	7.160	-	3.156	2.76	2.875	.115	-	5.375	.875	-	.281	15.68
B80PTH8M60R	R1	6	1.125	3.750	80	8.386	8.020	7.961	-	3.156	2.76	2.875	.115	-	5.375	.875	-	.281	21.20
B90PTH8M60R	R1	6	1.125	3.750	90	-	9.023	8.963	-	3.156	2.76	2.875	.115	-	5.375	.875	-	.281	29.54
B112PTH8M60S	S1	8	1.688	4.250	112	-	11.229	11.166	10.391	4.750	2.76	4.375	1.339	.276	6.375	1.063	3.313	.375	40.80
B144PTH8M60S	S1	8	1.688	4.250	144	-	14.437	14.370	13.047	4.750	2.76	4.375	1.339	.276	6.375	1.063	3.313	.375	55.00
B192PTH8M60S	S1	8	1.688	4.250	192	-	19.249	19.176	17.672	4.750	2.76	4.375	1.339	.276	6.375	1.063	3.313	.375	73.10

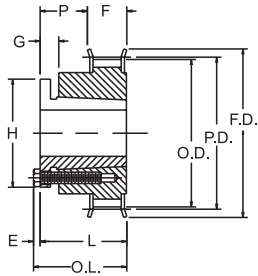
Note: "L" Dimension designates bushing length for all bushed products.  
 WEIGHTS FOR ALL BUSHED ITEMS ARE APPROXIMATE AND DO NOT INCLUDE THE BUSHINGS.



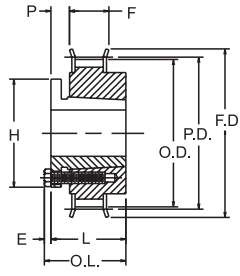
# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



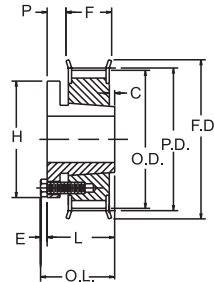
## RPP<sup>®</sup> PANTHER<sup>®</sup> SPROCKETS



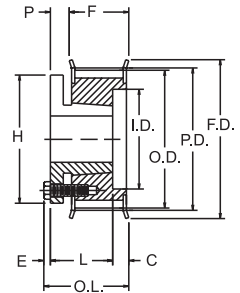
TYPE 2



TYPE 3



TYPE 4



TYPE 5

FOR 14M20 BELTS – 14mm PITCH – 20mm BELT WIDTH (.79 in), SPROCKET FACE WIDTH = 31mm (1.22 in)

PART NUMBER	BUSHING	TYPE	BORE RANGE		NO. TEETH	DIAMETERS				DIMENSIONS								WT. LBS.	
			MIN	MAX		F.D.	P.D.	O.D.	I.D.	O.L.	F	L	P	C	H	G	X		E
B28PTH14M20B	B	2	.500	2.438	28	5.000	4.912	4.805	-	2.266	1.22	1.938	.796	-	3.688	.719	-	.250	4.17
B29PTH14M20B	B	2	.500	2.438	29	5.433	5.088	4.981	-	2.266	1.22	1.938	.796	-	3.688	.719	-	.250	4.76
B30PTH14M20B	B	2	.500	2.438	30	5.433	5.263	5.156	-	2.266	1.22	1.938	.796	-	3.688	.719	-	.250	5.09
B32PTH14M20B	B	2	.500	2.438	32	6.063	5.614	5.507	-	2.266	1.22	1.938	.796	-	3.688	.719	-	.250	6.29
B34PTH14M20B	B	2	.500	2.438	34	6.299	5.965	5.857	-	2.266	1.22	1.938	.796	-	3.688	.719	-	.250	7.25
B36PTH14M20R	R1	3	1.125	3.750	36	6.614	6.316	6.208	-	3.156	1.22	2.875	.875	-	5.375	-	-	.281	7.62
B38PTH14M20R	R1	2	1.125	3.750	38	7.205	6.667	6.559	-	3.156	1.22	2.875	1.655	-	5.375	.875	-	.281	9.70
B40PTH14M20R	R1	2	1.125	3.750	40	7.402	7.018	6.909	-	3.156	1.22	2.875	1.655	-	5.375	.875	-	.281	11.10
B44PTH14M20R	R1	2	1.125	3.750	44	8.307	7.720	7.611	-	3.156	1.22	2.875	1.655	-	5.375	.875	-	.281	13.50
B48PTH14M20R	R1	2	1.125	3.750	48	8.898	8.421	8.312	-	3.156	1.22	2.875	1.655	-	5.375	.875	-	.281	16.10
B52PTH14M20R	R1	2	1.125	3.750	52	9.449	9.123	9.014	-	3.156	1.22	2.875	1.655	-	5.375	.875	-	.281	18.90
B56PTH14M20R	R1	2	1.125	3.750	56	10.079	9.825	9.715	-	3.156	1.22	2.875	1.655	-	5.375	.875	-	.281	22.00
B60PTH14M20R	R1	2	1.125	3.750	60	11.260	10.527	10.417	-	3.156	1.22	2.875	1.655	-	5.375	.875	-	.281	26.00
B64PTH14M20R	R1	7	1.125	3.750	64	11.654	11.229	11.118	9.458	3.156	1.22	2.875	1.250	.405	5.375	.875	2.000	.281	21.30
B68PTH14M20R	R1	7	1.125	3.750	68	12.500	11.930	11.820	10.135	3.156	1.22	2.875	1.250	.405	5.375	.875	2.000	.281	26.60
B72PTH14M20R	R1	7	1.125	3.750	72	13.187	12.632	12.521	10.811	3.156	1.22	2.875	1.250	.405	5.375	.875	2.000	.281	29.22
B80PTH14M20R	R1	8	1.125	3.750	80	14.625	14.036	13.924	12.164	3.156	1.22	2.875	1.250	.405	5.375	.875	2.000	.281	48.20
B90PTH14M20R	R1	8	1.125	3.750	90	-	15.790	15.677	13.818	3.156	1.22	2.875	1.250	.405	5.375	.875	2.000	.281	42.00
B112PTH14M20R	R1	8	1.125	3.750	112	-	19.650	19.535	17.475	3.156	1.22	2.875	1.250	.405	5.375	.875	2.000	.281	59.60
B144PTH14M20R	R1	8	1.125	3.750	144	-	25.264	25.147	22.887	3.156	1.22	2.875	1.250	.405	5.375	.875	2.000	.281	86.20
B168PTH14M20S	S1	8	1.688	4.250	168	-	29.475	29.355	26.945	4.750	1.22	4.375	2.109	1.046	6.375	1.063	3.313	.375	116.00
B192PTH14M20S	S1	8	1.688	4.250	192	-	33.686	33.564	30.984	4.750	1.22	4.375	2.109	1.046	6.375	1.063	3.313	.375	143.00
B216PTH14M20S	S1	8	1.688	4.250	216	-	37.896	37.773	35.047	4.750	1.22	4.375	2.109	1.046	6.375	1.063	3.313	.375	167.00

Note: "L" Dimension designates bushing length for all bushed products.

WEIGHTS FOR ALL BUSHED ITEMS ARE APPROXIMATE AND DO NOT INCLUDE THE BUSHINGS.

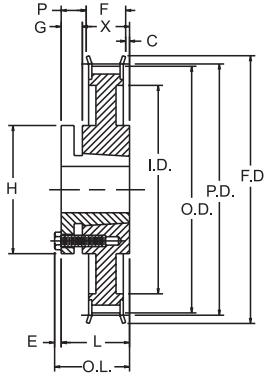




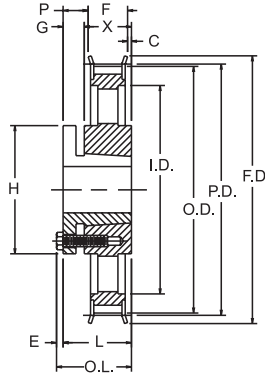
# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



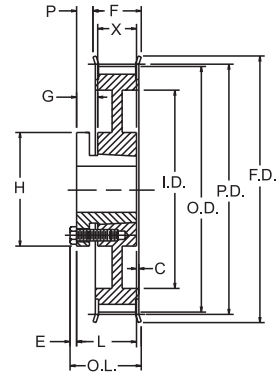
## RPP<sup>®</sup> PANTHER<sup>®</sup> SPROCKETS



TYPE 7



TYPE 8



TYPE 9

FOR 14M42 BELTS – 14mm PITCH – 42mm BELT WIDTH (1.65 in), SPROCKET FACE WIDTH = 53mm (2.09 in)

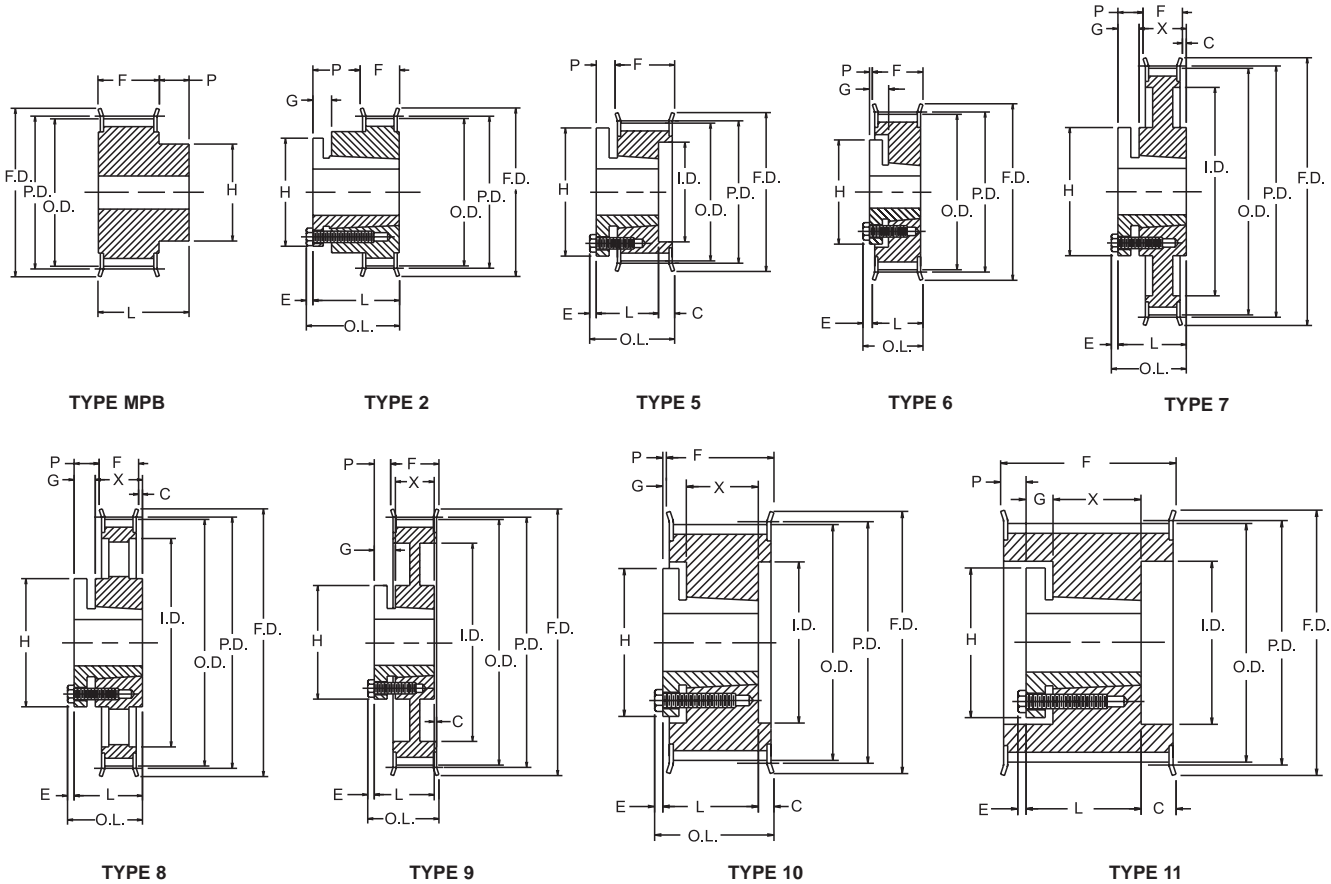
PART NUMBER	BUSHING	TYPE	BORE RANGE		NO. TEETH	DIAMETERS				DIMENSIONS								WT. LBS.	
			MIN	MAX		F.D.	P.D.	O.D.	I.D.	O.L.	F	L	P	C	H	G	X		E
B28PTH14M42B	B	5	.500	2.438	28	5.000	4.912	4.805	-	3.059	2.09	1.938	.719	.871	3.688	-	-	.250	6.22
B29PTH14M42B	B	5	.500	2.438	29	5.433	5.088	4.981	-	3.059	2.09	1.938	.719	.871	3.688	-	-	.250	7.12
B30PTH14M42B	B	5	.500	2.438	30	5.433	5.263	5.156	-	3.059	2.09	1.938	.719	.871	3.688	-	-	.250	7.79
B32PTH14M42B	B	5	.500	2.438	32	6.063	5.614	5.507	-	3.059	2.09	1.938	.719	.871	3.688	-	-	.250	9.67
B34PTH14M42B	B	5	.500	2.438	34	6.299	5.965	5.857	-	3.059	2.09	1.938	.719	.871	3.688	-	-	.250	10.90
B36PTH14M42R	R1	4	1.125	3.750	36	6.614	6.316	6.208	-	3.125	2.09	2.875	.875	-	5.375	-	-	.250	9.67
B38PTH14M42R	R1	4	1.125	3.750	38	7.205	6.667	6.559	-	3.125	2.09	2.875	.875	-	5.375	-	-	.250	11.90
B40PTH14M42R	R1	4	1.125	3.750	40	7.402	7.018	6.909	-	3.125	2.09	2.875	.875	-	5.375	-	-	.250	14.00
B44PTH14M42R	R1	4	1.125	3.750	44	8.307	7.720	7.611	-	3.125	2.09	2.875	.875	-	5.375	-	-	.250	17.10
B48PTH14M42R	R1	4	1.125	3.750	48	8.898	8.421	8.312	-	3.125	2.09	2.875	.875	-	5.375	-	-	.250	21.60
B52PTH14M42R	R1	4	1.125	3.750	52	9.449	9.123	9.014	-	3.125	2.09	2.875	.875	-	5.375	-	-	.250	26.50
B56PTH14M42R	R1	4	1.125	3.750	56	10.079	9.825	9.715	-	3.125	2.09	2.875	.875	-	5.375	-	-	.250	31.90
B60PTH14M42R	R1	4	1.125	3.750	60	11.260	10.527	10.417	-	3.125	2.09	2.875	.875	-	5.375	-	-	.250	38.30
B64PTH14M42R	R1	9	1.125	3.750	64	11.654	11.229	11.118	9.458	3.155	2.09	2.875	.815	.030	5.375	.875	2.000	.250	28.30
B68PTH14M42R	R1	9	1.125	3.750	68	12.500	11.930	11.820	10.135	3.155	2.09	2.875	.815	.030	5.375	.875	2.000	.250	32.20
B72PTH14M42R	R1	9	1.125	3.750	72	13.187	12.632	12.521	10.811	3.155	2.09	2.875	.815	.030	5.375	.875	2.000	.250	34.77
B80PTH14M42S	S1	8	1.688	4.250	80	14.625	14.036	13.924	12.164	4.750	2.09	4.375	1.690	.595	6.375	1.063	3.313	.375	52.50
B90PTH14M42S	S1	8	1.688	4.250	90	-	15.790	15.677	13.818	4.750	2.09	4.375	1.690	.595	6.375	1.063	3.313	.375	57.10
B112PTH14M42S	S1	8	1.688	4.250	112	-	19.650	19.535	17.475	4.750	2.09	4.375	1.690	.595	6.375	1.063	3.313	.375	82.20
B144PTH14M42S	S1	8	1.688	4.250	144	-	25.264	25.147	22.887	4.750	2.09	4.375	1.690	.595	6.375	1.063	3.313	.375	113.00
B168PTH14M42S	S1	8	1.688	4.250	168	-	29.475	29.355	26.945	4.750	2.09	4.375	1.690	.595	6.375	1.063	3.313	.375	209.00
B192PTH14M42U	U1	8	2.375	5.500	192	-	33.686	33.564	30.984	7.594	2.09	7.125	3.268	1.768	8.375	1.500	5.625	.469	208.00
B216PTH14M42U	U1	8	2.375	5.500	216	-	37.896	37.773	35.047	7.594	2.09	7.125	3.268	1.768	8.375	1.500	5.625	.469	236.00

Note: "L" Dimension designates bushing length for all bushed products.

WEIGHTS FOR ALL BUSHED ITEMS ARE APPROXIMATE AND DO NOT INCLUDE THE BUSHINGS.



### RPP® PANTHER® SPROCKETS



#### FOR 14M65 BELTS – 14mm PITCH – 65mm BELT WIDTH (2.56 in), SPROCKET FACE WIDTH = 77mm (3.03 in)

PART NUMBER	BUSHING	TYPE	BORE RANGE		NO. TEETH	DIAMETERS				DIMENSIONS								WT. LBS.	
			MIN	MAX		F.D.	P.D.	O.D.	I.D.	O.L.	F	L	P	C	H	G	X		E
B28PTH14M65B	B	5	.500	2.438	28	5.000	4.912	4.805	3.141	4.000	3.03	1.938	.719	1.812	3.688	-	-	.250	7.88
B29PTH14M65B	B	5	.500	2.438	29	5.433	5.088	4.981	3.141	4.000	3.03	1.938	.719	1.812	3.688	-	-	.250	9.13
B30PTH14M65B	B	5	.500	2.438	30	5.433	5.263	5.156	3.141	4.000	3.03	1.938	.719	1.812	3.688	-	-	.250	10.10
B32PTH14M65B	B	5	.500	2.438	32	6.063	5.614	5.507	3.516	4.000	3.03	1.938	.719	1.812	3.688	-	-	.250	12.80
B34PTH14M65B	B	5	.500	2.438	34	6.299	5.965	5.857	3.516	4.000	3.03	1.938	.719	1.812	3.688	-	-	.250	15.30
B36PTH14M65R	R1	5	1.125	3.750	36	6.614	6.316	6.208	4.641	4.186	3.03	2.875	.875	1.030	5.375	-	-	.281	12.50
B38PTH14M65R	R1	5	1.125	3.750	38	7.205	6.667	6.559	4.641	4.186	3.03	2.875	.875	1.030	5.375	-	-	.281	15.70
B40PTH14M65R	R1	10	1.125	3.750	40	7.402	7.018	6.909	5.516	3.655	3.03	2.875	.344	.500	5.375	.875	-	.281	16.70
B44PTH14M65R	R1	10	1.125	3.750	44	8.307	7.720	7.611	6.016	3.655	3.03	2.875	.344	.500	5.375	.875	2.000	.281	22.20
B48PTH14M65R	R1	10	1.125	3.750	48	8.898	8.421	8.312	6.516	3.655	3.03	2.875	.344	.500	5.375	.875	2.000	.281	25.50
B52PTH14M65R	R1	10	1.125	3.750	52	9.449	9.123	9.014	7.266	3.655	3.03	2.875	.344	.500	5.375	.875	2.000	.281	30.50
B56PTH14M65R	R1	10	1.125	3.750	56	10.079	9.825	9.715	7.891	3.655	3.03	2.875	.344	.500	5.375	.875	2.000	.281	36.40
B60PTH14M65R	R1	10	1.125	3.750	60	11.260	10.527	10.417	8.516	3.655	3.03	2.875	.344	.500	5.375	.875	2.000	.281	43.20
B64PTH14M65S	S1	2	1.688	4.250	64	11.654	11.229	11.118	-	4.750	3.03	4.375	1.345	-	6.375	1.063	-	.375	63.20
B68PTH14M65S	S1	7	1.688	4.250	68	12.500	11.930	11.820	10.315	4.750	3.03	4.375	1.189	.156	6.375	1.063	1.313	.375	67.90
B72PTH14M65S	S1	7	1.688	4.250	72	13.187	12.632	12.521	10.811	4.750	3.03	4.375	1.189	.156	6.375	1.063	1.313	.375	69.86
B80PTH14M65S	S1	7	1.688	4.250	80	14.625	14.036	13.924	12.114	4.750	3.03	4.375	1.189	.156	6.375	1.063	1.313	.375	97.75
B90PTH14M65S	S1	8	1.688	4.250	90	-	15.790	15.677	13.768	4.750	3.03	4.375	1.189	.156	6.375	1.063	1.313	.375	77.40
B112PTH14M65S	S1	8	1.688	4.250	112	-	19.650	19.535	17.475	4.750	3.03	4.375	1.189	.156	6.375	1.063	1.313	.375	106.00
B144PTH14M65U	U1	8	2.375	5.500	144	-	25.264	25.147	22.837	7.594	3.03	7.125	2.798	1.298	8.375	1.500	5.625	.469	195.00
B168PTH14M65U	U1	8	2.375	5.500	168	-	29.475	29.355	26.828	7.594	3.03	7.125	2.798	1.298	8.375	1.500	5.625	.469	243.00
B192PTH14M65U	U1	8	2.375	5.500	192	-	33.686	33.564	30.891	7.594	3.03	7.125	2.798	1.298	8.375	1.500	5.625	.469	296.00
B216PTH14M65U	U1	8	2.375	5.500	216	-	37.896	37.773	34.938	7.594	3.03	7.125	2.798	1.298	8.375	1.500	5.625	.469	357.00

Note: "L" Dimension designates bushing length for all bushed products.

WEIGHTS FOR ALL BUSHED ITEMS ARE APPROXIMATE AND DO NOT INCLUDE THE BUSHINGS.



# PANTHER® SYNCHRONOUS DRIVES



## RPP® PANTHER® SPROCKETS

FOR 14M90 BELTS – 14mm PITCH – 90mm BELT WIDTH (3.54 in), SPROCKET FACE WIDTH = 103mm (4.06 in)

PART NUMBER	BUSHING	TYPE	BORE RANGE		NO. TEETH	DIAMETERS				DIMENSIONS								WT. LBS.	
			MIN	MAX		F.D.	P.D.	O.D.	I.D.	O.L.	F	L	P	C	H	G	X		E
B28PTH14M90MPB	-	MPB	.875	2.625	28	5.000	4.912	4.805	-	-	4.06	5.044	1.00	-	3.690	-	-	-	21.20
B29PTH14M90MPB	-	MPB	.875	2.625	29	5.433	5.088	4.981	-	-	4.06	5.044	1.00	-	3.690	-	-	-	22.80
B30PTH14M90Q	Q2	5	1.000	2.625	30	5.433	5.263	5.156	3.391	5.091	4.06	3.500	.750	1.310	4.125	-	-	.281	13.10
B32PTH14M90Q	Q2	5	1.000	2.625	32	6.063	5.614	5.507	3.891	5.091	4.06	3.500	.750	1.310	4.125	-	-	.281	15.70
B34PTH14M90Q	Q2	5	1.000	2.625	34	6.299	5.965	5.857	3.891	5.091	4.06	3.500	.750	1.310	4.125	-	-	.281	19.80
B36PTH14M90R	R1	5	1.125	3.750	36	6.614	6.316	6.208	4.641	5.216	4.06	2.875	.875	2.060	5.375	-	-	.281	15.80
B38PTH14M90R	R1	5	1.125	3.750	38	7.205	6.667	6.559	4.641	5.216	4.06	2.875	.875	2.060	5.375	-	-	.281	19.90
B40PTH14M90R	R1	10	1.125	3.750	40	7.402	7.018	6.909	5.516	4.450	4.06	2.875	.109	1.294	5.375	.875	2.000	.281	19.90
B44PTH14M90R	R1	10	1.125	3.750	44	8.307	7.720	7.611	6.016	4.170	4.06	2.875	.171	1.014	5.375	.875	2.000	.281	24.10
B48PTH14M90R	R1	10	1.125	3.750	48	8.898	8.421	8.312	6.516	4.170	4.06	2.875	.171	1.014	5.375	.875	2.000	.281	30.30
B52PTH14M90S	S1	6	1.688	4.250	52	9.449	9.123	9.014	-	4.735	4.06	4.375	.300	-	6.375	1.063	-	.375	41.60
B56PTH14M90S	S1	10	1.688	4.250	56	10.079	9.825	9.715	7.891	5.109	4.06	4.375	.674	.359	6.375	1.063	3.313	.375	51.30
B60PTH14M90S	S1	10	1.688	4.250	60	11.260	10.527	10.417	8.516	5.109	4.06	4.375	.674	.359	6.375	1.063	3.313	.375	61.60
B64PTH14M90S	S1	10	1.688	4.250	64	11.654	11.229	11.118	8.953	5.109	4.06	4.375	.674	.359	6.375	1.063	3.313	.375	72.20
B68PTH14M90S	S1	9	1.688	4.250	68	12.500	11.930	11.820	10.135	5.109	4.06	4.375	.674	.359	6.375	1.063	3.313	.375	75.02
B72PTH14M90S	S1	9	1.688	4.250	72	13.187	12.632	12.521	10.811	5.109	4.06	4.375	.674	.359	6.375	1.063	3.313	.375	76.43
B80PTH14M90U	U1	7	2.375	5.500	80	14.625	14.036	13.924	12.114	7.594	4.06	7.125	2.283	.783	8.375	1.500	5.625	.469	137.33
B90PTH14M90U	U1	8	2.375	5.500	90	-	15.790	15.677	13.768	7.594	4.06	7.125	2.283	.783	8.375	1.500	5.625	.469	127.00
B112PTH14M90U	U1	8	2.375	5.500	112	-	19.650	19.535	17.475	7.594	4.06	7.125	2.283	.783	8.375	1.500	5.625	.469	157.00
B144PTH14M90U	U1	8	2.375	5.500	144	-	25.264	25.147	22.837	7.594	4.06	7.125	2.283	.783	8.375	1.500	5.625	.469	216.00
B168PTH14M90U	U1	8	2.375	5.500	168	-	29.475	29.355	26.828	7.594	4.06	7.125	2.283	.783	8.375	1.500	5.625	.469	270.00
B192PTH14M90U	U1	8	2.375	5.500	192	-	33.686	33.564	30.891	7.594	4.06	7.125	2.283	.783	8.375	1.500	5.625	.469	330.00
B216PTH14M90U	U1	8	2.375	5.500	216	-	37.896	37.773	34.938	7.594	4.06	7.125	2.283	.783	8.375	1.500	5.625	.469	399.00

Note: "L" Dimension designates bushing length for all bushed products.  
WEIGHTS FOR ALL BUSHED ITEMS ARE APPROXIMATE AND DO NOT INCLUDE THE BUSHINGS.

FOR 14M120 BELTS – 14mm PITCH – 120mm BELT WIDTH (4.72 in), SPROCKET FACE WIDTH = 133mm (5.24 in)

PART NUMBER	BUSHING	TYPE	BORE RANGE		NO. TEETH	DIAMETERS				DIMENSIONS								WT. LBS.	
			MIN	MAX		F.D.	P.D.	O.D.	I.D.	O.L.	F	L	P	C	H	G	X		E
B28PTH14M120MPB	-	MPB	.875	2.625	28	5.000	4.912	4.805	-	-	5.24	6.224	1.000	-	3.690	-	-	-	26.50
B29PTH14M120MPB	-	MPB	.875	2.625	29	5.433	5.088	4.981	-	-	5.24	6.224	1.000	-	3.690	-	-	-	28.50
B30PTH14M120Q	Q2	5	1.000	2.625	30	5.433	5.263	5.156	3.391	6.271	5.24	3.500	.750	2.490	4.125	-	-	.281	17.40
B32PTH14M120Q	Q2	5	1.000	2.625	32	6.063	5.614	5.507	3.891	6.271	5.24	3.500	.750	2.490	4.125	-	-	.281	19.70
B34PTH14M120Q	Q2	5	1.000	2.625	34	6.299	5.965	5.857	3.891	6.271	5.24	3.500	.750	2.490	4.125	-	-	.281	24.10
B36PTH14M120R	R2	5	1.125	3.750	36	6.614	6.316	6.208	4.641	6.396	5.24	4.875	.875	1.240	5.375	-	-	.281	22.60
B38PTH14M120R	R2	5	1.125	3.750	38	7.205	6.667	6.559	4.641	6.396	5.24	4.875	.875	1.240	5.375	-	-	.281	27.90
B40PTH14M120R	R1	10	1.125	3.750	40	7.402	7.018	6.909	5.516	5.630	5.24	2.875	.109	2.470	5.375	.875	2.00	.281	30.10
B44PTH14M120R	R1	11	1.125	3.750	44	8.307	7.720	7.611	6.016	-	5.24	2.875	.745	1.625	5.375	.875	2.00	.281	28.50
B48PTH14M120R	R1	11	1.125	3.750	48	8.898	8.421	8.312	6.516	-	5.24	2.875	.745	1.625	5.375	.875	2.00	.281	32.90
B52PTH14M120S	S1	10	1.688	4.250	52	9.449	9.123	9.014	7.266	5.699	5.24	4.375	.084	.949	6.375	1.063	3.31	.375	46.60
B56PTH14M120S	S1	10	1.688	4.250	56	10.079	9.825	9.715	7.891	5.699	5.24	4.375	.084	.949	6.375	1.063	3.31	.375	57.90
B60PTH14M120S	S1	10	1.688	4.250	60	11.260	10.527	10.417	8.516	5.699	5.24	4.375	.084	.949	6.375	1.063	3.31	.375	69.10
B64PTH14M120U	U1	2	2.375	5.500	64	-	11.229	11.118	-	7.594	5.24	7.125	1.885	-	8.375	1.500	-	.469	101.00
B68PTH14M120U	U1	2	2.375	5.500	68	-	11.930	11.820	-	7.594	5.24	7.125	1.885	-	8.375	1.500	-	.469	118.00
B72PTH14M120U	U1	2	2.375	5.500	72	-	12.632	12.521	-	7.594	5.24	7.125	1.885	-	8.375	1.500	-	.469	136.00
B80PTH14M120U	U1	7	2.375	5.500	80	-	14.036	13.924	12.047	7.594	5.24	7.125	1.693	.193	8.375	1.500	5.625	.469	136.00
B90PTH14M120U	U1	7	2.375	5.500	90	-	15.790	15.677	13.750	7.594	5.24	7.125	1.693	.193	8.375	1.500	5.625	.469	141.00
B112PTH14M120U	U1	8	2.375	5.500	112	-	19.650	19.535	17.453	7.594	5.24	7.125	1.693	.193	8.375	1.500	5.625	.469	182.00
B144PTH14M120U	U1	8	2.375	5.500	144	-	25.264	25.147	22.828	7.594	5.24	7.125	1.693	.193	8.375	1.500	5.625	.469	252.00
B168PTH14M120U	U1	8	2.375	5.500	168	-	29.475	29.355	26.828	7.594	5.24	7.125	1.693	.193	8.375	1.500	5.625	.469	353.00
B192PTH14M120W	W1	8	3.375	7.438	192	-	33.686	33.564	30.891	8.813	5.24	8.125	2.443	.568	12.500	1.875	6.375	.563	418.00
B216PTH14M120W	W1	8	3.375	7.438	216	-	37.896	37.773	34.938	8.813	5.24	8.125	2.443	.568	12.500	1.875	6.375	.563	491.00

Note: "L" Dimension designates bushing length for all bushed products.  
WEIGHTS FOR ALL BUSHED ITEMS ARE APPROXIMATE AND DO NOT INCLUDE THE BUSHINGS.





# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



## RPP<sup>®</sup> PANTHER<sup>®</sup> BELTS

### FOR STOCK 8mm PITCH BELTS

PITCH LENGTH		NO. OF TEETH	12MM WIDE (.47 IN)		22MM WIDE (.87 IN)		35MM WIDE (1.38 IN)		60MM WIDE (2.36 IN)	
MM	INCHES		PART NO.	WT. LBS.	PART NO.	WT. LBS.	PART NO.	WT. LBS.	PART NO.	WT. LBS.
480	18.90	60	480PTH8M12	.08	480PTH8M22	.14	480PTH8M35	.23	480PTH8M60	.41
560	22.05	70	560PTH8M12	.08	560PTH8M22	.18	560PTH8M35	.27	560PTH8M60	.43
600	23.62	75	600PTH8M12	.10	600PTH8M22	.19	600PTH8M35	.29	600PTH8M60	.47
640	25.20	80	640PTH8M12	.11	640PTH8M22	.20	640PTH8M35	.32	640PTH8M60	.50
720	28.35	90	720PTH8M12	.12	720PTH8M22	.22	720PTH8M35	.35	720PTH8M60	.60
800	31.50	100	800PTH8M12	.13	800PTH8M22	.24	800PTH8M35	.39	800PTH8M60	.67
880	34.65	110	880PTH8M12	.15	880PTH8M22	.28	880PTH8M35	.43	880PTH8M60	.73
960	37.80	120	960PTH8M12	.16	960PTH8M22	.30	960PTH8M35	.47	960PTH8M60	.80
1040	40.94	130	1040PTH8M12	.17	1040PTH8M22	.32	1040PTH8M35	.50	1040PTH8M60	.89
1120	44.09	140	1120PTH8M12	.19	1120PTH8M22	.34	1120PTH8M35	.55	1120PTH8M60	.94
1200	47.24	150	1200PTH8M12	.20	1200PTH8M22	.37	1200PTH8M35	.58	1200PTH8M60	1.01
1224	48.18	153	1224PTH8M12	.21	1224PTH8M22	.39	1224PTH8M35	.60	1224PTH8M60	1.02
1280	50.39	160	1280PTH8M12	.22	1280PTH8M22	.40	1280PTH8M35	.62	1280PTH8M60	1.07
1440	56.69	180	1440PTH8M12	.24	1440PTH8M22	.44	1440PTH8M35	.70	1440PTH8M60	1.21
1600	62.99	200	1600PTH8M12	.27	1600PTH8M22	.50	1600PTH8M35	.78	1600PTH8M60	1.33
1760	69.30	220	1760PTH8M12	.29	1760PTH8M22	.54	1760PTH8M35	.85	1760PTH8M60	1.48
1800	70.86	225	1800PTH8M12	.30	1800PTH8M22	.55	1800PTH8M35	.88	1800PTH8M60	1.50
2000	78.74	250	2000PTH8M12	.34	2000PTH8M22	.62	2000PTH8M35	.97	2000PTH8M60	1.67
2200	86.61	275	2200PTH8M12	.37	2200PTH8M22	.68	2200PTH8M35	1.07	2200PTH8M60	1.84
2400	94.48	300	2400PTH8M12	.40	2400PTH8M22	.74	2400PTH8M35	1.17	2400PTH8M60	2.00
2600	102.36	325	2600PTH8M12	.44	2600PTH8M22	.80	2600PTH8M35	1.27	2600PTH8M60	2.17
2800	110.23	350	2800PTH8M12	.47	2800PTH8M22	.86	2800PTH8M35	1.37	2800PTH8M60	2.34
3048	120.00	381	3048PTH8M12	.51	3048PTH8M22	.94	3048PTH8M35	1.48	3048PTH8M60	2.56
3280	129.13	410	3280PTH8M12	.55	3280PTH8M22	1.01	3280PTH8M35	1.60	3280PTH8M60	2.75
3600	141.73	450	3600PTH8M12	.61	3600PTH8M22	1.11	3600PTH8M35	1.76	3600PTH8M60	3.01
4400	173.23	550	4400PTH8M12	.74	4400PTH8M22	1.35	4400PTH8M35	2.15	4400PTH8M60	3.68

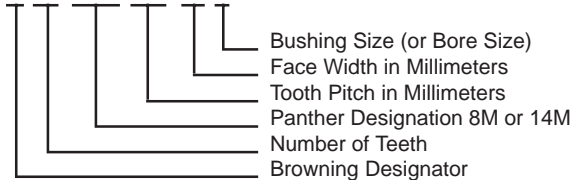
### FOR STOCK 14mm PITCH BELTS

PITCH LENGTH		NO. OF TEETH	20MM WIDE (.79 IN)		42MM WIDE (1.65 IN)		65MM WIDE (2.56 IN)		90MM WIDE (3.54 IN)		120MM WIDE (4.72 IN)	
MM	INCHES		PART NO.	WT. LBS.	PART NO.	WT. LBS.	PART NO.	WT. LBS.	PART NO.	WT. LBS.	PART NO.	WT. LBS.
966	38.03	69	966PTH14M20	.40	966PTH14M42	.88	966PTH14M65	1.36	966PTH14M90	1.88	966PTH14M120	2.52
1190	46.85	85	1190PTH14M20	.48	1190PTH14M42	1.08	1190PTH14M65	1.68	1190PTH14M90	2.33	1190PTH14M120	3.11
1400	55.12	100	1400PTH14M20	.60	1400PTH14M42	1.27	1400PTH14M65	1.97	1400PTH14M90	2.74	1400PTH14M120	3.65
1610	63.39	115	1610PTH14M20	.67	1610PTH14M42	1.47	1610PTH14M65	2.27	1610PTH14M90	3.14	1610PTH14M120	4.20
1778	70.00	127	1778PTH14M20	.74	1778PTH14M42	1.61	1778PTH14M65	2.52	1778PTH14M90	3.47	1778PTH14M120	4.64
1890	74.41	135	1890PTH14M20	.78	1890PTH14M42	1.72	1890PTH14M65	2.67	1890PTH14M90	3.70	1890PTH14M120	4.93
2100	82.68	150	2100PTH14M20	.87	2100PTH14M42	1.91	2100PTH14M65	2.97	2100PTH14M90	4.10	2100PTH14M120	5.48
2310	90.94	165	2310PTH14M20	.96	2310PTH14M42	2.10	2310PTH14M65	3.26	2310PTH14M90	4.51	2310PTH14M120	6.02
2450	96.46	175	2450PTH14M20	1.02	2450PTH14M42	2.24	2450PTH14M65	3.46	2450PTH14M90	4.79	2450PTH14M120	6.40
2590	101.97	185	2590PTH14M20	1.08	2590PTH14M42	2.36	2590PTH14M65	3.66	2590PTH14M90	5.06	2590PTH14M120	6.76
2800	110.24	200	2800PTH14M20	1.17	2800PTH14M42	2.55	2800PTH14M65	3.95	2800PTH14M90	5.47	2800PTH14M120	7.31
3150	124.02	225	3150PTH14M20	1.31	3150PTH14M42	2.87	3150PTH14M65	4.46	3150PTH14M90	6.17	3150PTH14M120	8.21
3360	132.28	240	3360PTH14M20	1.40	3360PTH14M42	3.06	3360PTH14M65	4.75	3360PTH14M90	6.56	3360PTH14M120	8.76
3500	137.80	250	3500PTH14M20	1.46	3500PTH14M42	3.18	3500PTH14M65	4.95	3500PTH14M90	6.92	3500PTH14M120	9.13
3850	151.58	275	3850PTH14M20	1.60	3850PTH14M42	3.50	3850PTH14M65	5.44	3850PTH14M90	7.52	3850PTH14M120	10.04
4326	170.32	309	4326PTH14M20	1.80	4326PTH14M42	3.93	4326PTH14M65	6.11	4326PTH14M90	8.47	4326PTH14M120	11.27
4578	180.24	327	4578PTH14M20	1.90	4578PTH14M42	4.16	4578PTH14M65	6.48	4578PTH14M90	8.95	4578PTH14M120	11.92
4956	195.12	354	4956PTH14M20	2.06	4956PTH14M42	4.50	4956PTH14M65	6.97	4956PTH14M90	9.65	4956PTH14M120	12.86

### PART NUMBER DESCRIPTION

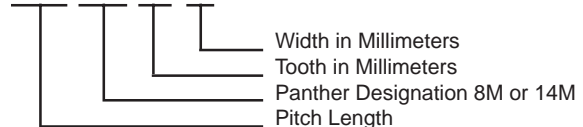
#### Sprocket

**B 28 PTH 8M 12 H**



#### Belt

**1040 PTH 8M 12**





**TOLERANCES ON BELT WIDTH**

BELT WIDTH RANGE (Inches)	WIDTH TOLERANCES FOR THE FOLLOWING BELT LENGTH RANGES (inches)		
	0 to 33.0 in.	33.1 to 66.0 in.	66.1 in and over
0 to .44	+ .02 / - .03	+ .02 / - .03	-
.45 to 1.50	+ .03 / - .03	+ .03 / - .05	+ .03 / - .05
1.51 to 2.00	+ .03 / - .05	+ .05 / - .05	+ .05 / - .06
2.01 to 3.00	+ .05 / - .06	+ .06 / - .06	+ .06 / - .08
3.01 to 4.72	+ .06 / - .08	+ .06 / - .08	+ .08 / - .08

BELT WIDTH RANGE (mm)	WIDTH TOLERANCES FOR THE FOLLOWING BELT LENGTH RANGES (mm)		
	0 to 837mm	838 to 1675mm	1676mm and over
0 to 11.0	+0.5 / -0.8	+ .05 / -0.8	-
11.1 to 38.0	+0.8 / -0.8	+0.8 / -1.3	+0.8 / -1.3
38.1 to 50.7	+0.8 / -1.3	+1.3 / -1.3	+1.3 / -1.5
50.8 to 76.2	+1.3 / -1.5	+1.5 / -1.5	+1.5 / -2.0
76.3 to 120.0	+1.5 / -2.0	+1.5 / -2.0	+2.0 / 2.0

**TOLERANCES ON BELT THICKNESS**

BELT TYPE	NOMINAL THICKNESS (in.)	TOLERANCES (Inches)
		STANDARD
RPP PANTHER 8MM	.213	±.024
RPP PANTHER 14mm	.437	±.024

BELT TYPE	NOMINAL THICKNESS (mm)	TOLERANCES (mm)
		STANDARD
RPP PANTHER 8MM	5.40	±0.60
RPP PANTHER 14mm	11.10	±0.60

Note: Tighter tolerances available upon request.



RPP<sup>®</sup> PANTHER<sup>®</sup> ENGINEERING DATA

RPP PANTHER BELT DRIVE SELECTION PROCEDURE

The selection of a stock RPP PANTHER belt drive is accomplished by completion of the following:

- A. Collect basic drive data.
- B. Determine service factor, SF.
- C. Calculate the design horsepower.
- D. Select the belt pitch.
- E. Select the belt, sprocket, and center distance.
- F. Determine belt width.
- G. Determine bushing requirement.
- H. List drive components.

A. Collect Basic Drive Data.

Example: **DriveR** = 10 HP NEMA B motor, 1 1/4" shaft diameter, 1750 rpm.  
**DriveN** = Centrifugal Pump, 1 1/2" shaft diameter, 1422 rpm.  
**Center distance** = Approximately 17.5".  
**Service** = 14 hours per day, minimal shock loading.

B. Determine Service Factor, SF.

Determine the class of the prime mover (DriveR) from Table 1 (page 15) and select the Basic Service Factor from Table 2 (page 15). Calculate the service factor as follows:

**SF = Basic service factor + Correction factor for speed up drives (Table 3, page 15)+ Correction factor for operating conditions (Table 4, page 15)**

Example: Class = II, basic service factor = 1.4, speed up correction = 0, operating conditions factor = +.2  
 SF = 1.4 + 0 + .2 = 1.6

C. Calculate the Design Horsepower.

Obtain Design horsepower by multiplying the motor horsepower by the service factor.

**Design HP = Motor HP x SF**

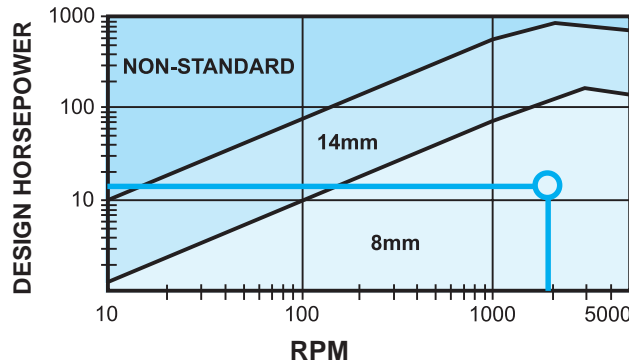
Example: Design HP = 10 x 1.6 = 16

D. Select the Belt Pitch.

Using the Selection Chart below, select a belt pitch based on the design horsepower calculated in Step C.

Example:

RPP PANTHER PITCH BELT SELECTION CHART  
DESIGN HORSEPOWER VS RPM



Design HP = 16  
 DriveR speed = 1750 rpm, Therefore, Belt Pitch = 8MM





# PANTHER® SYNCHRONOUS DRIVES



## RPP® PANTHER® ENGINEERING DATA

**TABLE 1 DRIVER (PRIME MOVER)**

Class of driver	Class I	Class II	Class III
<b>Momentary Peak Load, % of Rated Load</b>	149%	150% to 249%	250% to 400%
<b>AC Electric Motors:</b>			
<b>Single Phase</b>			all
<b>Squirrel Cage</b>			
NEMA design A			
3600 rpm	40 Hp up	1 1/2 thru 30 HP	1 thru 3 HP
1800 rpm	100 Hp up	5 thru 75 HP	
1200 rpm	15 Hp up	3/4 thru 10 HP	
900 rpm	5 Hp up	1/2 thru 3 HP	
NEMA design B			
3600 rpm		5 Hp up	1 1/2 thru 3 HP
1800 rpm		5 Hp up	1 thru 3 HP
1200 rpm		5 Hp up	3/4 thru 3 HP
900 rpm		2 Hp up	1/2 thru 1 1/2 HP
NEMA design C			
1800 rpm		15 Hp up	5 thru 10 HP
1200 rpm		7 1/2 Hp up	3 and 5 HP
900 rpm		all	
NEMA design D			all
NEMA design F	all		
<b>Wound Rotor</b>			
1800 rpm		20 HP	2 to 15 HP
1200 rpm		15 HP	2 to 10 HP
900 rpm		7 1/2 HP	1 to 5 HP
<b>Synchronous</b>		normal torque	high torque
<b>DC Electric Motors</b>	shunt	compound	series
<b>Engines - int combust</b>	8 cyl up	6 cyl	4 cyl ro less
<b>Hydraulic Motors,</b>			
<b>Line Shafts</b>			all

**TABLE 3 CORRECTION FACTOR FOR SPEED - UP DRIVES**

Speed Ratio	Additional Service Factor	Speed Ratio	Additional Service Factor
from 1 to 1.24	-	from 2.50 to 3.50	+0.3
from 1.25 to 1.74	+0.1	over 3.50	+0.4
from 1.75 to 2.49	+0.2		

**TABLE 4 CORRECTION FACTOR FOR OPERATING CONDITIONS**

Hours of Operation	Additional Service Factor	Hours of Operation	Additional Service Factor
Intermittent or Seasonal	-0.1	over 16 hours continuous use per day	+0.3
8 to 10 hours continuous use per day	+0.1	with idler	+0.1
10 to 16 hours continuous use per day	+0.2		

**TABLE 2 BASIC SERVICE FACTORS OF DRIVEN MACHINES**

Driven Machines	Class I	Class II	Class III
<b>Agitators, Mix</b>	1.2	1.4	1.6
Liquid (paddle ro propeller)	1.3	1.5	1.7
semi-liquid			
<b>Bakery Machinery, Dough Mixers</b>	1.2	1.4	1.6
<b>Brick and Clay Machinery</b>			
augers, mixers, granulators	1.4	1.6	1.8
pub mills	1.6	1.8	2.0
<b>Centrifuges</b>	1.5	1.7	-
<b>Compressors</b>			
reciprocating*	1.6	1.8	2.0
centrifugal	1.4	1.5	1.6
<b>Conveyors</b>			
belt, light package; oven	1.1	1.2	1.3
belt: ore, coal, sand	1.2	1.4	1.6
apron, bucket, elevator, pan	1.4	1.6	1.8
flight, screw	1.4	1.6	1.8
<b>Fans, blowers</b>			
Centrigugal, induced draft exhauster	1.4	1.6	1.8
propeller, mine fans, positive blowers	1.6	1.8	2.0
<b>Generators and Exciters</b>	1.4	1.6	1.8
<b>Hammer Mills</b>	1.5	1.7	1.9
<b>Hoists, Elevators</b>	1.4	1.6	1.8
<b>Laundry Machinery</b>			
general	1.2	1.4	1.6
extractors, washers	1.4	1.6	1.8
<b>Line Shafts</b>	1.2	1.4	1.6
<b>Machine Tools</b>			
drill presses			
lathes, screw machines	1.2	1.4	1.6
boring mills, grinders	1.3	1.5	1.7
milling machines, shapers	1.3	1.5	1.7
<b>Mills</b>			
ball, rod, pebble, etc.	-	1.9	2.1
<b>Paper Machinery</b>			
agitators, calenders, dryers	1.2	1.4	1.6
beaters, jordans, Nash pumps			
pulpers	1.4	1.6	1.8
<b>Printing Machinery</b>			
presses: newspaper, rotary, embossing, flat bed, magazine; linotype machines; cutters; folders	1.4	1.4	1.6
<b>Pumps</b>			
centrifugal, gear, rotary, pipeline	1.2	1.4	1.6
reciprocating*	1.7	1.9	2.1
<b>Rubber Plant Machinery</b>	1.4	1.6	1.8
<b>Saw Mill Machinery</b>	1.4	1.6	1.8
<b>Screens</b>			
vibrating (shakers)	1.3	1.5	-
drum, conical	1.2	1.4	-
<b>Textile Machinery</b>			
looms, spinning frames, twistors	1.3	1.5	1.7
warpers, reels	1.2	1.4	-
<b>Woodworking Machinery</b>			
lathes, band saws	1.2	1.3	-
jointer, circular saws, planers	1.2	1.4	-



RPP<sup>®</sup> PANTHER<sup>®</sup> ENGINEERING DATA

RPP PANTHER BELT DRIVE SELECTION PROCEDURE (Cont'd)

E. Select the Belt, Sprocket, and Center Distance.

Determine the Speed Ratio by dividing the Driver speed by the Driven speed. Using the Drive Selection Tables for the selected belt pitch (pages 30 through 47), select the sprocket combination(s) that give the desired speed ratio and select the belt corresponding to the required center distance. Note the Belt Length Factor (F), also shown in the Drive Selection Tables, and in Table 6 on page 17.

The Drive Selection Tables do not list selections for Speed-Up Drives. The Horsepower Rating Tables must be used. Contact BROWNING for assistance.

Check that the ratio of the number of teeth on the belt (see page 12) to the number of teeth on each sprocket is NOT a whole number. If this is the case, choose another drive combination if possible, otherwise belt life could be reduced.

Example: Belt pitch = 8MM
From pages 30 and 31
Speed Ratio = 1750/1422 = 1.23
DriveR pulley = 26 teeth, 2.607" P.D.
DriveN pulley = 32 teeth, 3.208" P.D.
Center Distance = 17.48", Belt length = 1120MM
Belt Length Correction Factor, (F) = 1.0
Check Belt Teeth: 140/26 = 5.38, 140/32 = 4.38

F. Determine Belt Width

Determine the Teeth In Mesh Factor by first calculating the number of teeth in mesh (TIM), on the smaller sprocket using Formula 1 as shown below, then find the TIM (Teeth In Mesh) Factor from Table 5, page 17.

FORMULA 1

Diagram showing Formula 1: TIM = [ (180 - ((D-d)57) / C ) / 360 ] x n. Includes definitions for C, n, D, and d.

Example: C = 17.5", n = 26, D = 3.208", d = 2.607"

TIM = [ (180 - ((3.208 - 2.607)57) / 17.5 ) / 360 ] x 26 = 12.86

From Table 5, TIM Factor = 1.0

The horsepower capacities for each belt width are listed in the Drive Selection Tables, but are uncorrected for belt length and Teeth In Mesh. To use these tables directly, divide the Design Horsepower by the Belt Length Correction Factor and the TIM Factor determined above. In the Drive Selection Table, find the smallest belt width having a horsepower capacity equal to or greater than this number.

Example: DHP / (TIM Factor x Belt Length Correction Factor (F)) = 16 / (1.0 x 1.0) = 16

From Page 30, the 35MM width belt (with these sprockets, at this speed) has an uncorrected rating of 19.61 horsepower, and is selected. The corrected horsepower rating for this drive is: 19.61 x Belt Length Factor x TIM Factor. (19.61 x 1.0 x 1.0 = 19.61 HP



**G. Determine Bushing Requirements**

Choose the bushings required to fit the selected sprockets and required shaft diameters. Bushing specifications are on pages 48 and 49.

**H. List Drive Components**

Example:  
 From Page 7:  
 Driver pulley = B26PTH8M35MPB (1 1/4" bore)  
 Driven pulley = B32PTH8M35H  
 From Page 49:  
 H x 1 1/2 Bushing for Driven pulley  
 From Page 12:  
 Belt = 1120PTH8M35

**TABLE 5 TEETH IN MESH FACTORS**

NUMBER OF TEETH IN MESH (TIM)	FACTOR
6 or more	1.00
5	0.80
4	0.60
3	0.40
2	0.20

**TABLE 6 RPP PANTHER BELT LENGTH CORRECTION FACTOR (F)**

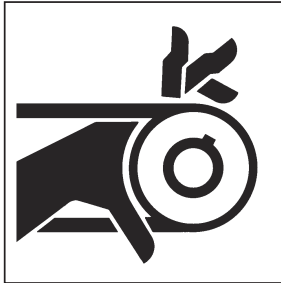
RPP PANTHER 8MM		RPP PANTHER 14MM	
LENGTH (mm)	FACTOR	LENGTH (mm)	FACTOR
480	0.80	966	0.80
560	0.80	1190	0.80
600	0.80	1400	0.90
640	0.90	1610	0.90
720	0.90	1778	0.95
800	0.90	1890	0.95
880	0.90	2100	1.00
960	1.00	2310	1.00
1040	1.00	2450	1.05
1120	1.00	2590	1.05
1200	1.00	2800	1.10
1224	1.00	3150	1.10
1280	1.10	3360	1.15
1440	1.10	3500	1.15
1600	1.10	3850	1.20
1760	1.20	4326	1.20
1800	1.20	4578	1.25
2000	1.20	4956	1.25
2200	1.20	-	-
2400	1.30	-	-
2600	1.30	-	-
2800	1.40	-	-
3048	1.40	-	-
3280	1.40	-	-
3600	1.50	-	-
4400	1.50	-	-





#### RPP PANTHER INSTALLATION INSTRUCTIONS

##### Panther Sprocket Alignment



#### ⚠ WARNING

Make sure motor cannot be started while installing or maintaining belt drive. Failure to do so may result in bodily injury or equipment damage.

After installing the bushings in the sprockets and the resulting assemblies onto the shafts, use a straight edge or string placed on the outside face of both sprockets to adjust parallel offset and angular alignments. The straight edge or string should be close to the shafts and contact each sprocket in two places on the flanges (or on the face of an unflanged pulley). The objective is to have the shafts parallel and the center lines of the two sprocket faces in line. See Figure 1 below.

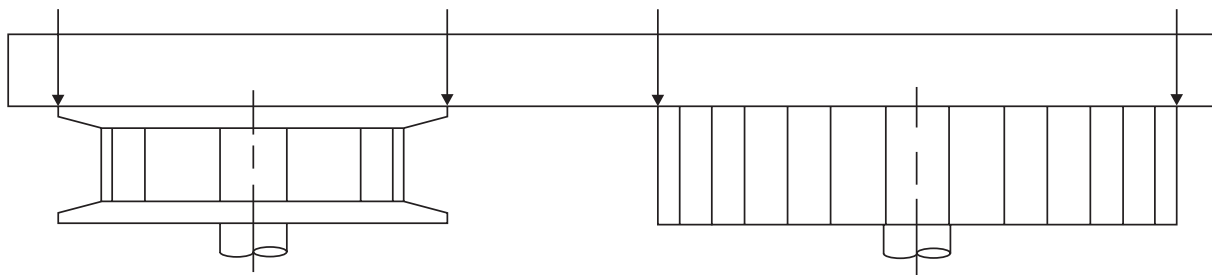


Figure 1

#### ⚠ CAUTION

To ensure the belt stays on the pulleys, shaft horizontal drives must have at least one flanged pulley, and shaft vertical drives must have all pulleys flanged.

Belt drives should be aligned as perfect as possible to maximize drive life. The practical maximum misalignment is stated as the angle at which the belt enters the sprocket. This angle is a result of both angular and parallel offset misalignment, and is 1/4 degree. Contact Engineering for assistance.



**RPP PANTHER INSTALLATION INSTRUCTIONS**

**Panther Belt Installation**

**CAUTION**  
 Do not pry or otherwise force belts onto sprockets. Doing so can result in permanent damage to the belt.

**Condition A – One Flanged Sprocket and One Unflanged Sprocket.**

After sprockets have been mounted and aligned, reduce the shaft center distance as shown in Table 1. Put the belt over the flanged sprocket first, then slip onto the unflanged sprocket.

**Condition B – Both Sprockets Flanged.**

After sprockets have been mounted and aligned, reduce the shaft center distance as shown in Table 1. Put the belt over the larger sprocket first, then the smaller sprocket.

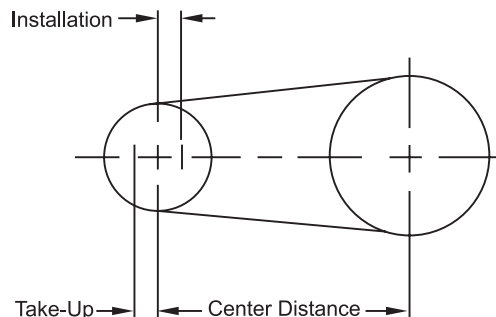
**Condition C – Minimum Center Distance Adjustment.**

1. Mount one sprocket onto the shaft loosely and put the belt on it.
2. Put the other sprocket into the belt loop and slip it onto the other shaft (bushing loosely installed).
3. Align the drive and tighten the bushings.

Timing belts have been designed to have proper pitch dimensions under correct tensions. Belts may not fully seat in large diameter pulleys without applying proper tension to the belt.

**TABLE 1 CENTER DISTANCE ALLOWANCE**

Belt Pitch Length Range (MM)	Allowance for Installation (Inches)					Allowance for Take-Up 8MM and 14MM Belts
	Condition A		Condition B		Condition C	
	8MM Belts	14MM Belts	8MM Belts	14MM Belts	8MM and 14MM Belts	
up to 1440	.7"	1.0"	1.2"	2.2"	.1"	.1"
1441 to 2600	.8"	1.1"	1.3"	2.3"	.2"	.2"
over 2600	.9"	1.2"	1.4"	2.4"	.3"	.3"



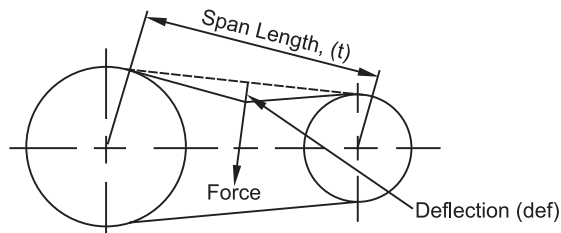
**Figure 2**



**RPP PANTHER INSTALLATION INSTRUCTIONS**

**Tensioning Panther Belts**

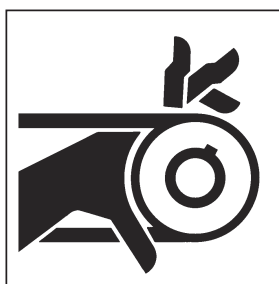
Calculate or measure the belt span length as shown in Figure 3. Calculate the required deflection by multiplying this number by 1/64. For example, if the belt span is 32 inches,  $32 \times 1/64 = 1/2$  inch deflection. Increase the belt tension by increasing the center distance (or adjusting the idler, if present). Apply the force listed in Table 2 evenly across the width of the belt at the center of the belt span. A strip of keystick or similar material may be used to help distribute the force evenly across the belt width. Drives with shock loading or other unusual conditions may require increased tension. Always check to be sure bearings can handle the loads.



**Figure 3**

**TABLE 2 DEFLECTION FORCE FOR PANTHER BELTS (Lbs)**

Driver RPM Range	Belt Width at 8MM Pitch				Belt Width at 14MM Pitch				
	12MM	22MM	35MM	60MM	20MM	42MM	65MM	90MM	120MM
0 - 100	11	20	31	54	32	68	105	146	194
101 - 1800	7	13	20	34	22	46	72	100	133
1801 - 5000	5	9	15	25	18	37	57	79	106



**⚠ WARNING**

**Install guards around all drives in accordance with local and national codes. Drives not guarded could result in severe personal injury or death.**





# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



## RPP<sup>®</sup> PANTHER<sup>®</sup> HORSEPOWER TABLES

### HORSEPOWER RATINGS FOR 8M BELTS

SMALL SPROCKET DATA																
No. Teeth	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80
P.D. (mm)	56.02	61.12	66.21	71.30	76.39	81.49	86.58	91.67	96.77	101.86	112.05	122.23	142.60	162.97	183.35	203.72
P.D. (in)	2.206	2.406	2.607	2.807	3.008	3.208	3.409	3.609	3.810	4.010	4.411	4.812	5.614	6.416	7.218	8.020
RPM	12mm BELT WIDTH (.47 in)															
870	3.27	3.59	3.92	4.24	4.57	4.90	5.23	5.56	5.90	6.23	6.90	7.58	8.95	10.33	11.72	13.12
1160	4.08	4.49	4.89	5.30	5.71	6.12	6.53	6.94	7.36	7.78	8.61	9.46	11.16	12.87	14.59	16.32
1750	5.61	6.16	6.71	7.27	7.83	8.39	8.95	9.52	10.08	10.65	11.79	12.93	15.22	17.52	19.81	22.09
3450	-	-	11.24	12.16	13.07	13.98	14.89	15.79	16.70	17.60	19.38	21.14	24.59	27.89	-	-
10	0.07	0.07	0.08	0.09	0.09	0.10	0.11	0.11	0.12	0.13	0.14	0.15	0.18	0.21	0.23	0.26
20	0.12	0.14	0.15	0.16	0.17	0.18	0.20	0.21	0.22	0.23	0.26	0.28	0.33	0.38	0.43	0.48
30	0.18	0.19	0.21	0.23	0.24	0.26	0.28	0.30	0.31	0.33	0.36	0.40	0.47	0.54	0.61	0.68
50	0.28	0.30	0.33	0.35	0.38	0.41	0.43	0.46	0.49	0.51	0.57	0.62	0.73	0.84	0.95	1.06
70	0.37	0.40	0.44	0.47	0.51	0.55	0.58	0.62	0.65	0.69	0.76	0.83	0.98	1.13	1.27	1.42
100	0.50	0.55	0.60	0.65	0.70	0.74	0.79	0.84	0.89	0.94	1.04	1.14	1.34	1.54	1.74	1.94
200	0.92	1.01	1.10	1.18	1.27	1.36	1.45	1.54	1.63	1.72	1.90	2.08	2.44	2.81	3.17	3.54
300	1.31	1.43	1.56	1.68	1.81	1.94	2.06	2.19	2.32	2.44	2.70	2.96	3.47	3.99	4.52	5.04
400	1.68	1.84	2.00	2.16	2.32	2.49	2.65	2.81	2.97	3.14	3.47	3.80	4.46	5.13	5.80	6.47
500	2.04	2.23	2.43	2.63	2.82	3.02	3.22	3.41	3.61	3.81	4.21	4.61	5.41	6.22	7.04	7.85
600	2.39	2.62	2.85	3.08	3.31	3.54	3.77	4.00	4.23	4.46	4.93	5.40	6.34	7.29	8.24	9.19
700	2.73	2.99	3.26	3.52	3.78	4.04	4.31	4.57	4.84	5.10	5.64	6.17	7.25	8.33	9.41	10.50
800	3.07	3.36	3.66	3.95	4.25	4.54	4.84	5.13	5.43	5.73	6.33	6.93	8.14	9.35	10.56	11.78
900	3.36	3.69	4.02	4.35	4.69	5.03	5.37	5.71	6.05	6.40	7.09	7.78	9.18	10.60	12.03	13.46
1000	3.64	4.00	4.36	4.72	5.09	5.45	5.82	6.19	6.56	6.94	7.69	8.44	9.96	11.49	13.03	14.59
1100	3.92	4.31	4.69	5.08	5.48	5.87	6.27	6.66	7.06	7.46	8.27	9.08	10.71	12.36	14.01	15.68
1200	4.19	4.61	5.02	5.44	5.86	6.28	6.70	7.13	7.55	7.98	8.84	9.71	11.45	13.20	14.97	16.74
1300	4.46	4.90	5.34	5.78	6.23	6.68	7.13	7.58	8.03	8.49	9.40	10.32	12.17	14.03	15.90	17.77
1400	4.72	5.19	5.65	6.12	6.60	7.07	7.55	8.02	8.50	8.98	9.95	10.92	12.87	14.83	16.80	18.77
1500	4.98	5.47	5.96	6.46	6.96	7.45	7.96	8.46	8.96	9.47	10.49	11.51	13.56	15.62	17.69	19.75
1600	5.24	5.75	6.27	6.79	7.31	7.83	8.36	8.89	9.42	9.95	11.02	12.09	14.24	16.39	18.55	20.71
1700	5.49	6.02	6.57	7.11	7.66	8.21	8.76	9.31	9.86	10.42	11.53	12.65	14.90	17.15	19.40	21.64
1800	5.73	6.30	6.86	7.43	8.00	8.57	9.15	9.72	10.30	10.88	12.04	13.21	15.55	17.89	20.22	22.54
1900	5.98	6.56	7.15	7.74	8.34	8.93	9.53	10.13	10.73	11.34	12.55	13.76	16.18	18.61	21.03	23.43
2000	6.22	6.83	7.44	8.05	8.67	9.29	9.91	10.54	11.16	11.79	13.04	14.30	16.81	19.32	21.81	24.28
2500	7.38	8.10	8.82	9.55	10.27	11.00	11.73	12.46	13.20	13.93	15.39	16.85	19.76	22.63	24.45	28.21
3000	8.48	9.30	10.13	10.95	11.78	12.61	13.44	14.27	15.10	15.92	17.57	19.20	22.42	25.57	28.61	31.52
3500	9.53	10.44	11.37	12.29	13.21	14.13	15.04	15.96	16.87	17.77	19.57	21.35	24.81	28.13	-	-
4000	10.53	11.54	12.54	13.55	14.55	15.55	16.55	17.54	18.52	19.49	21.41	23.29	26.91	-	-	-
4500	11.49	12.58	13.67	14.75	15.83	16.89	17.96	19.01	20.05	21.07	23.08	25.03	-	-	-	-
5000	12.41	13.57	14.73	15.88	17.02	18.15	19.27	20.37	21.45	22.51	24.58	26.56	-	-	-	-

NOTE: The shaded area indicates a reduction in belt service life.



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P.D. (mm)	56.02	61.12	66.21	71.30	76.39	81.49	86.58	91.67	96.77	101.86	112.05	122.23	142.60	162.97	183.35	203.72
P.D. (in)	2.206	2.406	2.607	2.807	3.008	3.208	3.409	3.609	3.810	4.010	4.411	4.812	5.614	6.416	7.218	8.020
RPM	22mm BELT WIDTH (.87 in)															
870	6.00	6.59	7.18	7.78	8.38	8.99	9.59	10.20	10.82	11.43	12.67	13.91	16.42	18.95	21.50	24.07
1160	7.49	8.23	8.97	9.72	10.47	11.22	11.98	12.74	13.50	14.27	15.81	17.35	20.47	23.61	26.77	29.94
1750	10.29	11.30	12.32	13.34	14.36	15.39	16.43	17.46	18.50	19.54	21.63	23.73	27.93	32.14	36.35	40.54
3450	-	-	20.63	22.30	23.98	25.65	27.31	28.98	30.63	32.28	35.56	38.79	45.11	51.17	-	-
10	0.12	0.14	0.15	0.16	0.17	0.18	0.20	0.21	0.22	0.23	0.26	0.28	0.33	0.38	0.43	0.48
20	0.23	0.25	0.27	0.29	0.31	0.34	0.36	0.38	0.40	0.43	0.47	0.51	0.60	0.69	0.79	0.88
30	0.32	0.35	0.39	0.42	0.45	0.48	0.51	0.54	0.57	0.60	0.67	0.73	0.86	0.99	1.12	1.25
50	0.51	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.89	0.94	1.04	1.14	1.34	1.54	1.74	1.95
70	0.68	0.74	0.81	0.87	0.94	1.00	1.07	1.13	1.20	1.26	1.40	1.53	1.80	2.07	2.34	2.61
100	0.92	1.01	1.10	1.19	1.28	1.37	1.46	1.54	1.63	1.72	1.90	2.09	2.45	2.82	3.19	3.56
200	1.69	1.85	2.01	2.17	2.33	2.50	2.66	2.82	2.99	3.15	3.48	3.81	4.48	5.15	5.82	6.50
300	2.40	2.63	2.86	3.09	3.32	3.55	3.78	4.02	4.25	4.48	4.95	5.42	6.37	7.33	8.28	9.25
400	3.08	3.38	3.67	3.97	4.26	4.56	4.86	5.16	5.46	5.76	6.36	6.97	8.18	9.41	10.64	11.87
500	3.74	4.10	4.46	4.82	5.18	5.54	5.90	6.26	6.63	6.99	7.72	8.46	9.93	11.42	12.91	14.41
600	4.39	4.80	5.22	5.64	6.07	6.49	6.91	7.34	7.76	8.19	9.05	9.91	11.64	13.37	15.12	16.87
700	5.02	5.49	5.97	6.45	6.94	7.42	7.90	8.39	8.88	9.36	10.34	11.33	13.30	15.28	17.27	19.27
800	5.63	6.17	6.71	7.25	7.79	8.33	8.88	9.42	9.97	10.51	11.61	12.72	14.93	17.15	19.38	21.62
900	6.16	6.76	7.37	7.99	8.61	9.23	9.85	10.47	11.10	11.73	13.00	14.28	16.85	19.45	22.07	24.70
1000	6.68	7.34	8.00	8.67	9.34	10.01	10.68	11.36	12.04	12.73	14.10	15.48	18.27	21.08	23.91	26.76
1100	7.19	7.90	8.61	9.33	10.05	10.77	11.50	12.23	12.96	13.70	15.17	16.66	19.65	22.67	25.71	28.76
1200	7.69	8.45	9.21	9.98	10.75	11.52	12.30	13.08	13.86	14.64	16.22	17.81	21.01	24.22	27.46	30.71
1300	8.18	8.99	9.80	10.61	11.43	12.25	13.08	13.91	14.74	15.57	17.25	18.93	22.33	25.74	29.17	32.60
1400	8.67	9.52	10.37	11.24	12.10	12.97	13.84	14.72	15.60	16.48	18.25	20.04	23.62	27.22	30.83	34.45
1500	9.14	10.04	10.94	11.85	12.76	13.68	14.60	15.52	16.45	17.38	19.24	21.12	24.88	28.66	32.46	36.24
1600	9.61	10.55	11.50	12.45	13.41	14.37	15.34	16.31	17.28	18.25	20.21	22.17	26.12	30.08	34.04	38.00
1700	10.07	11.05	12.05	13.05	14.05	15.06	16.07	17.08	18.10	19.12	21.16	23.22	27.34	31.46	35.59	39.70
<b>1800</b>	<b>10.52</b>	11.55	12.59	13.63	14.68	15.73	16.78	17.84	18.90	19.97	22.10	24.24	28.53	32.82	37.10	41.36
<b>1900</b>	<b>10.97</b>	<b>12.04</b>	13.12	14.21	15.30	16.39	17.49	18.59	19.69	20.80	23.02	25.24	29.69	34.15	38.58	42.98
<b>2000</b>	<b>11.41</b>	<b>12.53</b>	<b>13.65</b>	14.78	15.91	17.05	18.19	19.33	20.48	21.62	23.92	26.23	30.84	35.44	40.02	44.55
<b>2500</b>	<b>13.54</b>	<b>14.86</b>	<b>16.18</b>	17.51	18.85	20.19	21.53	22.87	24.21	25.55	28.24	30.92	36.25	41.52	46.70	51.76
<b>3000</b>	<b>15.55</b>	<b>17.06</b>	<b>18.58</b>	<b>20.10</b>	<b>21.62</b>	23.14	24.66	26.18	27.70	29.21	32.23	35.23	41.14	46.91	52.49	57.84
<b>3500</b>	<b>17.48</b>	<b>19.16</b>	<b>20.85</b>	<b>22.54</b>	<b>24.23</b>	25.92	27.60	29.28	30.95	32.61	35.91	39.17	45.52	51.61	-	-
<b>4000</b>	<b>19.31</b>	<b>21.17</b>	<b>23.01</b>	<b>24.86</b>	<b>26.70</b>	<b>28.54</b>	30.36	32.17	33.98	35.76	39.29	42.74	49.38	-	-	-
<b>4500</b>	<b>21.07</b>	<b>23.08</b>	<b>25.07</b>	<b>27.06</b>	<b>29.04</b>	<b>31.00</b>	<b>32.94</b>	34.87	36.78	38.66	42.36	45.93	-	-	-	-
<b>5000</b>	<b>22.76</b>	<b>24.90</b>	<b>27.03</b>	<b>29.14</b>	<b>31.32</b>	<b>33.31</b>	<b>35.35</b>	<b>37.37</b>	<b>39.36</b>	41.31	45.10	48.73	-	-	-	-

NOTE: The shaded area indicates a reduction in belt service life.



# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



## RPP<sup>®</sup> PANTHER<sup>®</sup> HORSEPOWER TABLES

### HORSEPOWER RATINGS FOR 8M BELTS

SMALL SPROCKET DATA																
No. Teeth	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80
P.D. (mm)	56.02	61.12	66.21	71.30	76.39	81.49	86.58	91.67	96.77	101.86	112.05	122.23	142.60	162.97	183.35	203.72
P.D. (in)	2.206	2.406	2.607	2.807	3.008	3.208	3.409	3.609	3.810	4.010	4.411	4.812	5.614	6.416	7.218	8.020
RPM	35mm BELT WIDTH (1.38 in)															
870	9.55	10.49	11.43	12.38	13.34	14.30	15.27	16.24	17.21	18.19	20.16	22.14	26.13	30.16	34.22	38.30
1160	11.93	13.10	14.28	15.47	16.66	17.86	19.06	20.27	21.49	22.71	25.15	27.62	32.58	37.57	42.60	47.64
1750	16.38	17.99	19.61	21.23	22.86	24.50	26.14	27.79	29.45	31.10	34.43	37.76	44.45	51.16	57.85	64.51
3450	-	-	32.83	35.49	38.16	40.81	43.47	46.11	48.75	51.38	56.59	61.74	71.79	81.44	-	-
10	0.20	0.22	0.24	0.26	0.27	0.29	0.31	0.33	0.35	0.37	0.41	0.45	0.53	0.60	0.68	0.76
20	0.36	0.40	0.43	0.47	0.50	0.54	0.57	0.61	0.64	0.68	0.75	0.82	0.96	1.11	1.25	1.40
30	0.52	0.56	0.61	0.66	0.71	0.76	0.81	0.86	0.91	0.96	1.06	1.16	1.37	1.57	1.78	1.99
50	0.80	0.88	0.96	1.03	1.11	1.19	1.27	1.34	1.42	1.50	1.66	1.82	2.13	2.45	2.78	3.10
70	1.08	1.18	1.28	1.39	1.49	1.59	1.70	1.80	1.91	2.01	2.22	2.43	2.86	3.29	3.72	4.15
100	1.47	1.61	1.75	1.89	2.03	2.17	2.23	2.46	2.60	2.74	3.03	3.32	3.90	4.48	5.07	5.66
200	2.69	2.94	3.20	3.45	3.71	3.97	4.23	4.49	4.75	5.02	5.54	6.07	7.13	8.20	9.27	10.35
300	3.82	4.18	4.55	4.92	5.28	5.65	6.02	6.39	6.76	7.14	7.88	8.63	10.14	11.66	13.18	14.72
400	4.91	5.37	5.84	6.31	6.79	7.26	7.73	8.21	8.69	9.16	10.12	11.09	13.02	14.97	16.96	18.89
500	5.96	6.53	7.09	7.67	8.24	8.81	9.39	9.97	10.55	11.13	12.29	13.46	15.81	18.17	20.54	22.93
600	6.98	7.65	8.31	8.98	9.65	10.33	11.00	11.68	12.36	13.04	14.40	15.77	18.52	21.28	24.06	26.85
700	7.98	8.74	9.51	10.27	11.04	11.81	12.58	13.35	14.13	14.90	16.46	18.02	21.16	24.32	27.49	30.67
800	8.97	9.82	10.68	11.53	12.40	13.26	14.12	14.99	15.86	16.73	18.48	20.24	23.76	27.30	30.85	34.41
900	9.80	10.77	11.74	12.71	13.70	14.68	15.67	16.67	17.67	18.67	20.69	22.72	26.82	30.95	35.12	39.31
1000	10.63	11.68	12.73	13.79	14.86	15.93	17.00	18.08	19.17	20.25	22.44	24.64	29.08	33.55	38.06	42.59
1100	11.45	12.57	13.71	14.85	15.99	17.14	18.30	19.46	20.63	21.80	24.15	26.51	31.28	36.08	40.92	45.77
1200	12.24	13.45	14.66	15.88	17.10	18.33	19.57	20.81	22.06	23.31	25.82	28.34	33.43	38.55	43.70	48.87
1300	13.02	14.31	15.59	16.89	18.19	19.50	20.81	22.13	23.45	24.78	27.45	30.13	35.53	40.96	46.42	51.88
1400	13.79	15.15	16.51	17.88	19.26	20.64	22.03	23.43	24.83	26.23	29.05	31.89	37.59	43.32	49.07	54.82
1500	14.55	15.98	17.41	18.86	20.31	21.77	23.23	24.70	26.17	27.65	30.62	33.60	39.60	45.62	51.65	57.68
1600	15.29	16.79	18.30	19.82	21.34	22.87	24.41	25.95	27.50	29.05	32.16	35.29	41.57	47.87	54.17	60.47
1700	16.02	17.59	19.17	20.76	22.36	23.96	25.57	27.18	28.80	30.42	33.68	36.95	43.50	50.07	56.64	63.18
1800	16.74	18.38	20.03	21.69	23.36	25.03	26.71	28.39	30.08	31.77	35.17	38.57	45.40	52.23	59.05	65.83
1900	17.45	19.16	20.88	22.61	24.35	26.09	27.83	29.59	31.34	33.10	36.63	40.17	47.26	54.34	61.39	68.40
2000	18.15	19.93	21.72	23.52	25.32	27.13	28.94	30.76	32.59	34.41	38.07	41.74	49.08	56.41	63.69	70.90
2500	21.54	23.64	25.76	27.87	30.00	32.13	34.26	36.39	38.53	40.67	44.94	49.21	57.69	66.07	74.31	82.37
3000	24.75	27.16	29.57	31.98	34.40	36.82	39.24	41.66	44.08	46.49	51.29	56.07	65.48	74.66	83.54	92.06
3500	27.81	30.50	33.19	35.87	38.56	41.25	43.92	46.59	49.25	51.90	57.15	62.34	75.45	82.14	-	-
4000	30.74	33.68	36.63	39.57	42.49	45.41	48.32	51.20	54.07	56.92	62.53	68.02	78.58	-	-	-
4500	33.54	36.73	39.90	43.06	46.21	49.33	52.43	55.50	58.53	61.53	67.41	73.10	-	-	-	-
5000	36.22	39.63	43.02	46.38	49.71	53.01	56.26	59.47	62.64	65.75	71.78	77.56	-	-	-	-

NOTE: The shaded area indicates a reduction in belt service life.



# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



## RPP<sup>®</sup> PANTHER<sup>®</sup> HORSEPOWER TABLES

### HORSEPOWER RATINGS FOR 8M BELTS

SMALL SPROCKET DATA																
No. Teeth	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80
P.D. (mm)	56.02	61.12	66.21	71.30	76.39	81.49	86.58	91.67	96.77	101.86	112.05	122.23	142.60	162.97	183.35	203.72
P.D. (in)	2.206	2.406	2.607	2.807	3.008	3.208	3.409	3.609	3.810	4.010	4.411	4.812	5.614	6.416	7.218	8.020
RPM	60mm BELT WIDTH (2.36 in)															
870	16.37	17.98	19.60	21.24	22.88	24.52	26.18	27.84	29.51	31.19	34.56	37.96	44.80	51.71	58.67	65.68
1160	20.45	22.46	24.49	26.52	28.57	30.62	32.69	34.76	36.84	38.93	43.13	47.35	55.86	64.42	73.04	81.69
1750	28.09	30.85	33.62	36.40	39.20	42.01	44.82	47.65	50.49	53.33	59.03	64.75	76.23	87.72	99.20	110.62
3450	-	-	56.30	60.86	65.43	69.99	74.53	79.07	83.59	88.10	97.03	105.86	123.10	139.65	-	-
10	0.34	0.37	0.40	0.44	0.47	0.50	0.54	0.57	0.60	0.63	0.70	0.77	0.90	1.04	1.17	1.31
20	0.62	0.68	0.74	0.80	0.86	0.92	0.98	1.04	1.10	1.16	1.28	1.40	1.65	1.90	2.14	2.39
30	0.88	0.97	1.05	1.14	1.22	1.31	1.39	1.48	1.56	1.65	1.82	2.00	2.35	2.70	3.05	3.41
50	1.38	1.51	1.64	1.77	1.91	2.04	2.17	2.31	2.44	2.57	2.84	3.11	3.66	4.21	4.76	5.31
70	1.85	2.02	2.20	2.38	2.55	2.73	2.91	3.09	3.27	3.45	3.81	4.17	4.90	5.64	6.38	7.12
100	2.52	2.76	3.00	3.24	3.48	3.73	3.97	4.21	4.46	4.71	5.20	5.69	6.69	7.69	8.70	9.71
200	4.60	5.04	5.48	5.92	6.37	6.81	7.26	7.70	8.15	8.60	9.50	10.40	12.22	14.05	15.89	17.74
300	6.55	7.18	7.80	8.43	9.06	9.69	10.33	10.96	11.60	12.24	13.52	14.80	17.39	19.99	22.61	25.24
400	8.41	9.22	10.02	10.83	11.64	12.45	13.26	14.08	14.89	15.71	17.36	19.01	22.33	25.67	29.03	32.40
500	10.22	11.19	12.17	13.14	14.13	15.11	16.10	17.09	18.09	19.08	21.07	23.08	27.10	31.16	35.23	39.31
600	11.97	13.11	14.26	15.40	16.55	17.71	18.86	20.02	21.19	22.35	24.69	27.04	31.75	36.49	41.25	46.03
700	13.69	14.99	16.30	17.61	18.93	20.24	21.57	22.89	24.22	25.55	28.22	30.90	36.29	41.70	47.14	52.59
800	15.37	16.84	18.30	19.78	21.25	22.73	24.22	25.71	27.20	28.69	31.69	34.70	40.74	46.81	52.89	59.00
900	16.81	18.46	20.12	21.80	23.48	25.18	26.88	28.58	30.30	32.02	35.48	38.96	45.99	53.07	60.22	67.40
1000	18.23	20.03	21.83	23.65	25.47	27.31	29.15	31.00	32.86	34.73	38.48	42.25	49.86	57.53	65.26	73.02
1100	19.63	21.56	23.50	25.46	27.42	29.39	31.38	33.37	35.37	37.37	41.41	45.46	53.63	61.87	70.16	78.48
1200	20.99	23.06	25.14	27.22	29.32	31.43	33.55	35.68	37.82	39.96	44.27	48.60	57.32	66.11	74.94	83.80
1300	22.33	24.53	26.74	28.96	31.19	33.43	35.69	37.95	40.22	42.49	47.07	51.67	60.92	70.24	79.59	88.97
1400	23.65	25.97	28.31	30.66	33.02	35.40	37.78	40.17	42.57	44.98	49.81	54.67	64.45	74.27	84.13	94.00
1500	24.94	27.39	29.86	32.33	34.82	37.32	39.83	42.35	44.88	47.42	52.51	57.62	67.90	78.22	88.57	98.91
1600	26.22	28.79	31.38	33.98	36.59	39.22	41.85	44.50	47.15	49.81	55.15	60.51	71.28	82.08	92.89	103.69
1700	27.47	30.17	32.88	35.60	38.34	41.09	43.84	46.61	49.38	52.17	57.75	63.35	74.60	85.86	97.12	108.34
1800	28.71	31.52	34.35	37.20	40.05	42.92	45.80	48.69	51.58	54.48	60.30	66.14	77.85	89.56	101.25	112.87
1900	29.93	32.86	35.81	38.77	41.75	44.73	47.73	50.73	53.74	56.76	62.81	68.88	81.03	93.18	105.27	117.29
2000	31.13	34.18	37.24	40.32	43.41	46.52	49.63	52.75	55.87	59.01	65.28	71.57	84.16	96.72	109.21	121.58
2500	36.94	40.54	44.16	47.80	51.44	55.09	58.74	62.41	66.07	69.74	77.06	84.38	98.92	113.30	127.43	141.25
3000	42.44	46.57	50.70	54.84	58.99	63.14	67.29	71.44	75.58	79.71	87.95	96.14	112.28	128.02	143.24	157.85
3500	49.69	52.29	56.90	61.51	66.12	70.72	75.32	79.89	84.45	88.99	98.00	106.89	124.23	140.84	-	-
4000	52.71	57.76	62.80	67.84	72.87	77.87	82.85	87.80	92.72	97.59	107.22	116.64	134.75	-	-	-
4500	57.51	62.97	68.42	73.84	79.24	84.59	89.90	95.16	100.37	105.51	115.59	125.35	-	-	-	-
5000	62.11	67.95	73.76	79.52	85.24	90.89	96.47	101.98	107.40	112.73	123.09	132.99	-	-	-	-

NOTE: The shaded area indicates a reduction in belt service life.





# PANTHER® SYNCHRONOUS DRIVES



## RPP® PANTHER® HORSEPOWER TABLES

### HORSEPOWER RATINGS FOR 14M BELTS

SMALL SPROCKET DATA																	
No. Teeth	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
P.D. (mm)	124.78	129.23	133.69	142.60	151.52	160.43	169.34	178.25	196.08	213.90	231.73	249.55	267.38	285.21	303.03	320.86	356.51
P.D. (in)	4.912	5.088	5.263	5.614	5.965	6.316	6.667	7.018	7.720	8.421	9.123	9.825	10.527	11.229	11.930	12.632	14.036
RPM	20mm BELT WIDTH (.79 in)																
870	23.06	23.97	24.89	26.74	28.60	30.47	32.35	34.24	38.05	41.89	45.75	49.64	53.55	57.47	61.41	65.36	73.29
1160	29.18	30.33	31.49	33.82	36.16	38.52	40.88	43.25	48.02	52.82	57.64	62.48	67.33	72.19	77.04	81.90	91.60
1750	40.71	42.31	43.90	47.11	50.32	53.54	56.77	59.99	66.45	72.90	79.33	85.72	92.08	98.37	104.60	110.75	122.79
3450	68.78	71.30	73.80	78.76	83.64	88.44	93.16	97.78	-	-	-	-	-	-	-	-	-
10	0.45	0.46	0.48	0.52	0.55	0.58	0.62	0.65	0.72	0.79	0.87	0.94	1.01	1.08	1.15	1.22	1.37
20	0.83	0.86	0.89	0.95	1.02	1.08	1.14	1.21	1.34	1.47	1.60	1.73	1.86	1.99	2.13	2.26	2.53
30	1.18	1.23	1.27	1.36	1.46	1.55	1.64	1.73	1.91	2.10	2.29	2.48	2.66	2.85	3.04	3.24	3.62
50	1.86	1.93	2.00	2.14	2.29	2.43	2.57	2.72	3.01	3.30	3.60	3.89	4.19	4.49	4.78	5.08	5.69
70	2.50	2.60	2.70	2.89	3.08	3.27	3.47	3.66	4.05	4.45	4.84	5.24	5.64	6.04	6.44	6.85	7.66
100	3.43	3.57	3.70	3.96	4.22	4.49	4.75	5.02	5.56	6.10	6.64	7.18	7.73	8.28	8.83	9.39	10.50
200	6.34	6.58	6.83	7.31	7.80	8.29	8.78	9.27	10.26	11.26	12.26	13.26	14.28	15.29	16.31	17.33	19.39
300	9.08	9.42	9.77	10.46	11.16	11.86	12.57	13.27	14.69	16.11	17.54	18.98	20.43	21.88	23.33	24.79	27.73
400	11.71	12.15	12.60	13.50	14.39	15.30	16.20	17.11	18.94	20.77	22.61	24.47	26.32	28.19	30.06	31.94	35.71
500	14.26	14.80	15.35	16.44	17.53	18.63	19.73	20.84	23.06	25.29	27.53	29.78	32.04	34.30	36.57	38.85	43.42
600	16.75	17.39	18.03	19.31	20.59	21.88	23.17	24.47	27.07	29.69	32.31	34.95	37.59	40.24	42.90	45.56	50.90
700	19.19	19.92	20.65	22.12	23.59	25.06	26.54	28.02	31.00	33.99	36.99	40.00	43.01	46.04	49.06	52.10	58.17
800	21.59	22.41	23.23	24.88	26.53	28.18	29.85	31.51	34.85	38.20	41.56	44.94	48.31	51.69	55.08	58.46	65.23
900	23.71	24.65	25.59	27.49	29.41	31.33	33.26	35.20	39.12	43.06	47.02	51.02	55.03	59.05	63.09	67.15	75.28
1000	25.84	26.87	27.90	29.97	32.05	34.14	36.24	38.35	42.60	46.86	51.19	55.52	59.86	64.22	68.59	72.97	81.74
1100	27.94	29.05	30.16	32.39	34.63	36.89	39.16	41.43	46.01	50.62	55.25	59.90	64.57	69.24	73.93	78.61	87.97
1200	29.99	31.18	32.37	34.77	37.17	39.59	42.01	44.45	49.35	54.27	59.22	64.18	69.15	74.12	79.09	84.06	93.97
1300	32.02	33.28	34.55	37.10	39.66	42.23	44.81	47.40	52.61	57.84	63.08	68.34	73.59	78.85	84.10	89.33	99.74
1400	34.00	35.34	36.69	39.39	42.10	44.83	47.56	50.30	55.80	61.32	66.85	72.39	77.92	83.44	88.94	94.42	105.28
1500	35.96	37.37	38.79	41.64	44.50	47.37	50.25	53.14	58.93	64.73	70.53	76.33	82.12	87.88	93.62	99.32	110.59
1600	37.88	39.37	40.86	43.85	46.86	49.87	52.89	55.92	61.99	68.06	74.12	80.17	86.20	92.19	98.14	104.04	115.65
1700	39.78	41.33	42.90	46.03	49.18	52.33	55.49	58.65	64.98	71.31	77.62	83.90	90.15	96.35	102.49	108.56	120.47
1800	41.64	43.27	44.90	48.18	51.46	54.74	58.03	61.33	67.91	74.48	81.02	87.52	93.97	100.36	106.67	112.89	-
1900	43.48	45.18	46.88	50.28	53.70	57.11	60.53	63.95	70.78	77.58	84.34	91.04	97.67	104.22	110.68	117.03	-
2000	45.30	47.06	48.82	52.36	55.90	59.44	62.98	66.52	73.58	80.60	87.56	94.44	101.24	107.94	114.51	-	-
2500	53.98	56.05	58.11	62.24	66.35	70.45	74.53	78.59	86.62	94.51	102.23	109.76	-	-	-	-	-
3000	62.05	64.37	66.69	71.30	75.88	80.41	84.90	89.32	97.99	-	-	-	-	-	-	-	-
3500	69.50	72.04	74.55	79.54	84.45	89.28	94.01	98.64	-	-	-	-	-	-	-	-	-

NOTE: The shaded area indicates a reduction in belt service life.



# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



## RPP<sup>®</sup> PANTHER<sup>®</sup> HORSEPOWER TABLES

### HORSEPOWER RATINGS FOR 14M BELTS

SMALL SPROCKET DATA																	
No. Teeth	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
P.D. (mm)	124.78	129.23	133.69	142.60	151.52	160.43	169.34	178.25	196.08	213.90	231.73	249.55	267.38	285.21	303.03	320.86	356.51
P.D. (in)	4.912	5.088	5.263	5.614	5.965	6.316	6.667	7.018	7.720	8.421	9.123	9.825	10.527	11.229	11.930	12.632	14.036
RPM	42mm BELT WIDTH (1.65 in)																
870	48.45	50.37	52.30	56.19	60.10	64.03	67.98	71.95	79.95	88.01	96.13	104.30	112.51	120.76	129.03	137.33	154.00
1160	61.31	63.73	66.17	71.06	75.98	80.93	85.89	90.87	100.90	110.98	121.12	131.28	141.47	151.67	161.88	172.09	192.46
1750	85.54	88.89	92.25	98.98	105.74	112.50	119.27	126.05	139.63	153.18	166.69	180.12	193.46	206.69	219.78	232.71	258.00
3450	144.53	149.81	155.07	165.48	175.74	185.84	195.75	205.45	-	-	-	-	-	-	-	-	-
10	0.94	0.98	1.01	1.08	1.16	1.23	1.30	1.37	1.52	1.67	1.82	1.97	2.12	2.27	2.42	2.57	2.88
20	1.74	1.80	1.87	2.00	2.14	2.27	2.40	2.54	2.81	3.08	3.36	3.63	3.91	4.19	4.47	4.75	5.31
30	2.49	2.58	2.68	2.87	3.06	3.25	3.44	3.64	4.02	4.41	4.81	5.20	5.60	6.00	6.40	6.80	7.61
50	3.91	4.00	4.21	4.50	4.80	5.11	5.41	5.71	6.32	6.94	7.55	8.17	8.80	9.42	10.05	10.68	11.95
70	5.26	5.46	5.66	6.07	6.47	6.88	7.29	7.69	8.52	9.34	10.17	11.01	11.85	12.69	13.54	14.39	16.10
100	7.22	7.49	7.77	8.32	8.87	9.43	9.99	10.55	11.68	12.81	13.95	15.10	16.25	17.40	18.56	19.73	22.07
200	13.32	13.83	14.34	15.36	16.39	17.41	18.44	19.48	21.56	23.65	25.76	27.87	29.99	32.13	34.27	36.41	40.73
300	19.07	19.80	20.53	21.99	23.45	24.92	26.40	27.88	30.86	33.85	36.86	39.88	42.92	45.96	49.02	52.09	58.26
400	24.60	25.54	26.47	28.36	30.24	32.14	34.04	35.95	39.79	43.64	47.51	51.41	55.31	59.23	63.17	67.11	75.04
500	29.96	31.10	32.24	34.54	36.83	39.14	41.46	43.78	48.44	53.13	57.84	62.57	67.31	72.07	76.85	81.63	91.24
600	35.20	36.54	37.88	40.57	43.26	45.97	48.69	51.41	56.88	62.38	67.89	73.43	78.99	84.56	90.14	95.73	106.95
700	40.33	41.86	43.39	46.47	49.56	52.66	55.76	58.88	65.13	71.41	77.72	84.04	90.38	96.73	103.09	109.46	122.21
800	45.37	47.09	48.81	52.27	55.74	59.22	62.71	66.21	73.22	80.27	87.33	94.41	101.51	108.61	115.72	122.84	137.06
900	49.81	51.79	53.78	57.77	61.79	65.83	69.89	73.97	82.18	90.47	98.80	107.19	115.62	124.08	132.57	141.08	158.17
1000	54.30	56.46	58.62	62.96	67.34	71.73	76.15	80.59	89.52	98.51	107.56	116.65	125.78	134.94	144.12	153.32	171.74
1100	58.70	61.03	63.36	68.05	72.77	77.51	82.28	87.06	96.68	106.36	116.10	125.87	135.67	145.49	155.33	165.17	184.83
1200	63.02	65.52	68.02	73.05	78.10	83.18	88.28	93.40	103.69	114.03	124.42	134.84	145.28	155.73	166.18	176.62	197.44
1300	67.27	69.93	72.59	77.95	83.33	88.73	94.16	99.60	110.54	121.52	132.54	143.58	154.63	165.67	176.70	187.70	209.57
1400	71.44	74.26	77.09	82.76	88.46	94.18	99.93	105.69	117.25	128.85	140.47	152.10	163.72	175.31	186.87	198.39	221.21
1500	75.55	78.52	81.50	87.49	93.50	99.53	105.58	111.65	123.81	136.00	148.20	160.39	172.54	184.66	196.71	208.69	232.36
<b>1600</b>	<b>79.59</b>	82.72	85.85	92.14	98.46	104.79	111.14	117.50	130.24	142.99	155.74	168.45	181.11	193.70	206.20	218.59	243.01
<b>1700</b>	<b>83.57</b>	86.85	90.13	96.72	103.33	109.95	116.59	123.23	136.53	149.82	163.08	176.29	189.41	202.44	215.34	228.10	253.14
<b>1800</b>	<b>87.50</b>	<b>90.92</b>	94.35	101.22	108.12	115.02	121.94	128.85	142.69	156.49	170.24	183.90	197.45	210.87	224.13	237.21	-
<b>1900</b>	<b>91.36</b>	<b>94.93</b>	98.50	105.65	112.82	120.00	127.18	134.37	148.71	163.00	177.20	191.29	205.22	218.99	232.55	245.89	-
<b>2000</b>	<b>95.17</b>	<b>98.87</b>	<b>102.58</b>	110.01	117.45	124.89	132.33	139.77	154.60	169.34	183.97	198.44	212.72	226.79	240.61	-	-
<b>2500</b>	<b>113.42</b>	<b>117.76</b>	<b>122.10</b>	130.77	139.42	148.03	156.61	165.13	182.00	198.58	214.81	230.62	-	-	-	-	-
<b>3000</b>	<b>130.37</b>	<b>135.25</b>	<b>140.13</b>	<b>149.82</b>	<b>159.44</b>	168.96	178.38	187.69	205.89	-	-	-	-	-	-	-	-
<b>3500</b>	<b>146.03</b>	<b>151.36</b>	<b>156.65</b>	<b>167.13</b>	<b>177.45</b>	<b>187.60</b>	197.54	207.27	-	-	-	-	-	-	-	-	-

NOTE: The shaded area indicates a reduction in belt service life.



# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



## RPP<sup>®</sup> PANTHER<sup>®</sup> HORSEPOWER TABLES

### HORSEPOWER RATINGS FOR 14M BELTS

SMALL SPROCKET DATA																	
No. Teeth	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
P.D. (mm)	124.78	129.23	133.69	142.60	151.52	160.43	169.34	178.25	196.08	213.90	231.73	249.55	267.38	285.21	303.03	320.86	356.51
P.D. (in)	4.912	5.088	5.263	5.614	5.965	6.316	6.667	7.018	7.720	8.421	9.123	9.825	10.527	11.229	11.930	12.632	14.036
RPM	65mm BELT WIDTH (2.56 in)																
870	74.99	77.97	80.96	86.97	93.02	99.11	105.23	111.37	123.75	136.23	148.80	161.44	174.15	186.91	199.73	212.58	238.37
1160	94.89	98.65	102.42	109.99	117.61	125.26	132.95	140.66	156.19	171.79	187.47	203.20	218.98	234.78	250.57	266.37	297.91
1750	132.41	137.59	142.79	153.21	163.67	174.14	184.62	195.12	216.13	237.10	258.01	278.80	299.46	319.94	340.19	360.21	399.37
3450	233.71	231.89	240.03	256.15	272.03	287.66	303.00	318.02	-	-	-	-	-	-	-	-	-
10	1.46	1.51	1.57	1.68	1.79	1.90	2.02	2.13	2.36	2.58	2.81	3.05	3.28	3.51	3.74	3.98	4.45
20	2.69	2.79	2.89	3.10	3.31	3.51	3.72	3.93	4.35	4.77	5.20	5.62	6.05	6.48	6.92	7.35	8.22
30	3.85	4.00	4.14	4.44	4.73	5.03	5.33	5.63	6.23	6.83	7.44	8.05	8.67	9.28	9.90	10.52	11.77
50	6.05	6.28	6.51	6.97	7.44	7.90	8.37	8.84	9.79	10.74	11.69	12.65	13.62	14.59	15.56	16.54	18.50
70	8.15	8.46	8.77	9.39	10.02	10.65	11.28	11.91	13.18	14.46	15.75	17.04	18.34	19.65	20.96	22.27	24.92
100	11.17	11.59	12.02	12.88	13.73	14.60	15.46	16.33	18.07	19.83	21.59	23.37	25.15	26.94	28.73	30.54	34.16
200	20.63	21.41	22.20	23.78	25.36	26.95	28.55	30.15	33.37	36.61	39.87	43.14	46.43	49.73	53.04	56.37	63.05
300	29.52	30.65	31.77	34.03	36.30	38.58	40.86	43.16	47.76	52.40	57.05	61.73	66.43	71.14	75.88	80.63	90.17
400	38.08	39.53	40.98	43.89	46.82	49.75	52.69	55.65	61.58	67.55	73.55	79.57	85.62	91.68	97.77	103.88	116.15
500	46.38	48.14	49.91	53.46	57.02	60.59	64.17	67.76	74.98	82.24	89.53	96.85	104.19	111.56	118.95	126.36	141.22
600	54.48	56.55	58.63	62.79	66.97	71.16	75.36	79.58	88.04	96.55	105.09	113.66	122.26	130.88	139.52	148.18	165.54
700	62.42	64.79	67.17	71.93	76.71	81.51	86.32	91.14	100.82	110.54	120.30	130.08	139.89	149.72	159.57	169.43	189.17
800	70.22	72.88	75.55	80.91	86.28	91.66	97.06	102.48	113.34	124.24	135.18	146.14	157.12	168.12	179.12	190.13	212.15
900	77.10	80.17	83.24	89.42	95.64	101.89	108.18	114.49	127.21	140.03	152.94	165.92	178.96	192.06	205.20	218.38	244.82
1000	84.05	87.39	90.74	97.46	104.23	111.03	117.87	124.74	138.56	152.48	166.49	180.57	194.70	208.88	223.09	237.33	265.84
1100	91.87	94.47	98.08	105.34	112.64	119.98	127.35	134.76	149.65	164.64	179.70	194.83	210.00	225.20	240.43	255.66	286.10
1200	97.55	101.41	105.29	113.07	120.89	128.75	136.64	144.57	160.49	176.51	192.59	208.72	224.88	241.06	257.23	273.39	305.62
1300	104.12	108.24	112.36	120.65	128.98	137.35	145.74	154.17	171.10	188.11	205.16	222.25	239.35	256.44	273.51	290.53	324.39
1400	110.58	114.94	119.32	128.10	136.93	145.78	154.67	163.59	181.48	199.44	217.43	235.43	253.41	271.36	289.26	307.08	342.42
1500	116.94	121.54	126.16	135.43	144.73	154.07	163.43	172.82	191.65	210.52	229.40	248.26	267.08	285.83	304.48	323.02	359.67
1600	123.20	128.04	132.89	142.63	152.40	162.20	172.03	181.87	201.60	221.34	241.06	260.74	280.34	299.82	319.17	338.36	376.15
1700	129.36	134.43	139.52	149.71	159.94	170.19	180.46	190.75	211.34	231.91	252.44	272.87	293.19	313.35	333.32	353.08	391.83
1800	135.43	140.73	146.04	156.68	167.35	178.04	188.74	199.45	220.87	242.23	263.51	284.66	305.63	326.40	346.93	367.17	-
1900	141.42	146.96	152.46	163.54	174.64	185.75	196.87	207.98	230.19	252.30	274.29	296.09	317.66	338.97	359.97	380.62	-
2000	147.31	153.05	158.79	170.28	181.80	193.32	204.84	216.35	239.30	262.12	284.76	307.16	329.28	351.05	372.44	-	-
2500	175.56	182.28	189.00	202.42	215.80	229.14	242.41	255.61	281.72	307.38	332.50	356.98	-	-	-	-	-
3000	201.80	209.36	216.90	231.90	246.79	261.54	276.12	290.52	318.70	-	-	-	-	-	-	-	-
3500	226.05	234.29	242.48	258.70	274.68	290.38	305.77	320.83	-	-	-	-	-	-	-	-	-

NOTE: The shaded area indicates a reduction in belt service life.



**PANTHER<sup>®</sup> SYNCHRONOUS DRIVES**



**RPP<sup>®</sup> PANTHER<sup>®</sup> HORSEPOWER TABLES**

**HORSEPOWER RATINGS FOR 14M BELTS**

SMALL SPROCKET DATA																	
No. Teeth	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
P.D. (mm)	124.78	129.23	133.69	142.60	151.52	160.43	169.34	178.25	196.08	213.90	231.73	249.55	267.38	285.21	303.03	320.86	356.51
P.D. (in)	4.912	5.088	5.263	5.614	5.965	6.316	6.667	7.018	7.720	8.421	9.123	9.825	10.527	11.229	11.930	12.632	14.036
RPM	90mm BELT WIDTH (3.54 in)																
870	103.84	107.97	112.11	120.43	128.81	137.24	145.71	154.22	171.37	188.65	206.05	223.56	241.15	258.83	276.57	294.36	330.08
1160	131.40	136.60	141.82	152.31	162.86	173.46	184.10	194.78	216.28	237.88	259.60	281.38	303.23	325.10	346.98	368.86	412.52
1750	183.35	190.52	197.73	212.15	226.63	241.13	255.65	270.19	299.28	328.32	357.28	386.07	414.68	443.03	471.08	498.80	553.02
3450	309.78	321.11	332.38	354.70	376.70	398.34	419.57	440.37	-	-	-	-	-	-	-	-	-
10	2.02	2.09	2.17	2.32	2.48	2.63	2.79	2.95	3.26	3.58	3.90	4.22	4.54	4.86	5.19	5.51	6.17
20	3.72	3.86	4.01	4.29	4.58	4.86	5.15	5.44	6.02	6.61	7.20	7.79	8.38	8.98	9.58	10.18	11.39
30	5.33	5.53	5.74	6.14	6.55	6.96	7.38	7.79	8.62	9.46	10.30	11.15	12.00	12.85	13.71	14.57	16.30
50	8.38	8.69	9.01	9.65	10.30	10.95	11.59	12.24	13.55	14.87	16.19	17.52	18.86	20.20	21.55	22.90	25.62
70	11.28	11.71	12.14	13.00	13.87	14.74	15.62	16.49	18.25	20.03	21.81	23.60	25.40	27.21	29.02	30.84	34.50
100	15.47	16.06	16.65	17.83	19.02	20.21	21.41	22.61	25.03	27.46	29.90	32.36	34.82	37.30	39.79	42.28	47.30
200	28.56	29.65	30.74	32.92	35.12	37.32	39.54	41.75	46.21	50.70	55.21	59.74	64.29	68.86	73.45	78.05	87.31
300	40.88	42.44	44.00	47.13	50.27	53.42	56.59	59.76	66.14	72.55	79.00	85.48	91.99	98.52	105.07	111.65	124.87
400	52.73	54.73	56.74	60.78	64.83	68.89	72.97	77.06	85.28	93.54	101.84	110.18	118.55	126.96	135.39	143.85	160.83
500	64.22	66.67	69.11	74.02	78.95	83.90	88.86	93.84	103.83	113.88	123.97	134.10	144.28	154.48	164.71	174.97	195.56
600	75.44	78.31	81.18	86.95	92.73	98.53	104.36	110.19	121.92	133.70	145.52	157.39	169.30	181.24	193.20	205.19	229.23
700	86.44	89.72	93.01	99.61	106.23	112.87	119.53	126.20	139.61	153.07	166.58	180.13	193.71	207.32	220.96	234.61	261.95
800	97.24	100.93	104.62	112.03	119.47	126.93	134.41	141.90	156.95	172.04	187.19	202.37	217.57	232.80	248.04	263.29	293.77
900	106.77	111.01	115.27	123.82	132.43	141.09	149.80	158.54	176.16	193.91	211.78	229.75	247.81	265.95	284.15	302.40	339.02
1000	116.39	121.01	125.64	134.96	144.33	153.75	163.22	172.73	191.87	211.15	230.54	250.04	269.60	289.24	308.92	328.63	368.12
1100	125.82	130.81	135.81	145.87	155.98	166.14	176.35	186.60	207.23	227.98	248.84	269.78	290.79	311.85	332.93	354.02	396.18
1200	135.08	140.43	145.79	156.57	167.40	178.28	189.21	200.18	222.24	244.42	266.69	289.02	311.40	333.80	356.20	378.58	426.21
1300	144.18	149.88	155.59	167.07	178.60	190.19	201.82	213.49	236.93	260.48	284.10	307.76	331.44	355.10	378.74	402.31	449.20
1400	153.13	159.17	165.23	177.39	189.61	201.87	214.18	226.53	251.31	276.17	301.08	326.01	350.91	375.77	400.55	425.22	474.16
1500	161.93	168.31	174.70	187.53	200.41	213.34	226.31	239.31	265.38	291.51	317.65	343.77	369.83	395.79	421.63	447.30	498.05
<b>1600</b>	<b>170.59</b>	177.30	184.02	197.50	211.03	224.61	238.21	251.85	279.16	306.50	333.81	361.06	388.19	415.18	441.97	468.54	520.87
<b>1700</b>	<b>179.13</b>	186.15	193.19	207.31	221.47	235.67	249.89	264.14	292.64	321.14	349.56	377.86	405.99	433.91	461.57	488.93	542.58
<b>1800</b>	<b>187.54</b>	<b>194.87</b>	202.22	216.96	231.74	246.54	261.36	276.19	305.84	335.43	364.89	394.18	423.22	451.98	480.40	508.44	-
<b>1900</b>	<b>195.82</b>	<b>203.47</b>	211.12	226.46	241.82	257.21	272.61	288.00	318.75	349.38	379.82	410.01	439.88	469.39	498.47	527.06	-
<b>2000</b>	<b>203.99</b>	<b>211.93</b>	<b>219.88</b>	235.80	251.74	267.70	283.65	299.58	331.37	362.97	394.32	425.34	455.96	486.12	515.74	-	-
<b>2500</b>	<b>243.10</b>	<b>252.41</b>	<b>261.71</b>	280.29	298.83	317.29	335.67	353.95	390.11	425.65	460.43	494.33	-	-	-	-	-
<b>3000</b>	<b>279.44</b>	<b>289.91</b>	<b>300.35</b>	<b>321.13</b>	<b>341.74</b>	362.16	382.35	402.29	441.31	-	-	-	-	-	-	-	-
<b>3500</b>	<b>313.02</b>	<b>324.43</b>	<b>335.77</b>	<b>358.24</b>	<b>380.36</b>	<b>402.10</b>	423.42	444.27	-	-	-	-	-	-	-	-	-

NOTE: The shaded area indicates a reduction in belt service life.





# PANTHER® SYNCHRONOUS DRIVES



## RPP® PANTHER® HORSEPOWER TABLES

### HORSEPOWER RATINGS FOR 14M BELTS

SMALL SPROCKET DATA																	
No. Teeth	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
P.D. (mm)	124.78	129.23	133.69	142.60	151.52	160.43	169.34	178.25	196.08	213.90	231.73	249.55	267.38	285.21	303.03	320.86	356.51
P.D. (in)	4.912	5.088	5.263	5.614	5.965	6.316	6.667	7.018	7.720	8.421	9.123	9.825	10.527	11.229	11.930	12.632	14.036
RPM	120mm BELT WIDTH (4.72 in)																
870	138.46	143.96	149.49	160.59	171.76	182.99	194.29	205.64	228.50	251.54	274.75	298.09	321.56	345.12	368.78	392.51	440.13
1160	175.21	182.14	189.11	203.09	217.16	231.29	245.48	259.72	288.38	317.19	346.15	375.20	404.32	433.49	462.66	491.84	550.06
1750	244.48	254.05	263.65	282.88	302.19	321.53	340.89	360.27	399.06	437.78	476.40	514.79	552.94	590.75	628.14	665.10	737.40
3450	413.07	428.17	443.20	472.96	502.29	531.15	559.47	587.20	-	-	-	-	-	-	-	-	-
10	2.69	2.79	2.89	3.10	3.30	3.51	3.72	3.93	4.35	4.77	5.20	5.62	6.05	6.48	6.91	7.35	8.22
20	4.96	5.15	5.34	5.72	6.10	6.49	6.87	7.26	8.03	8.81	9.60	10.38	11.18	11.97	12.77	13.57	15.18
30	7.11	7.38	7.65	8.19	8.74	9.29	9.84	10.39	11.50	12.62	13.74	14.87	16.00	17.14	18.28	19.43	21.74
50	11.17	11.59	12.02	12.87	13.73	14.59	15.46	16.33	18.07	19.83	21.59	23.36	25.14	26.93	28.73	30.53	34.16
70	15.04	15.61	16.19	17.34	18.50	19.66	20.82	21.99	24.34	26.70	29.08	31.47	33.87	36.28	38.69	41.12	46.01
100	20.62	21.41	22.20	23.77	25.36	26.95	28.55	30.15	33.67	36.61	39.87	43.14	46.43	49.74	53.05	56.38	63.07
200	38.08	39.53	40.99	43.90	46.83	49.77	52.72	55.68	61.62	67.60	73.61	79.65	85.72	91.82	97.93	104.07	116.42
300	54.51	56.59	58.67	62.84	67.03	71.23	75.45	79.69	88.19	96.74	105.34	113.98	122.65	131.36	140.10	148.88	166.50
400	70.31	72.98	75.66	81.04	86.44	91.86	97.30	102.75	113.71	124.73	135.80	146.92	158.08	169.29	180.53	191.81	214.45
500	85.64	88.89	92.16	98.70	105.27	111.87	118.48	125.12	138.45	151.85	165.30	178.82	192.38	205.98	219.63	233.31	260.76
600	100.60	104.42	108.25	115.94	123.65	131.39	139.15	146.93	162.57	178.27	194.04	209.87	225.74	241.66	257.62	273.61	305.66
700	115.26	119.63	124.02	132.82	141.64	150.50	159.38	168.28	186.15	204.10	222.11	240.18	258.30	276.45	294.63	312.83	349.29
800	129.66	134.58	139.50	149.39	159.30	169.25	179.22	189.22	209.27	229.41	249.60	269.84	290.11	310.42	330.74	351.07	391.72
900	142.36	148.02	153.70	165.11	176.59	188.13	199.74	211.40	234.89	258.56	282.38	306.35	330.44	354.62	378.89	403.23	452.05
1000	155.20	161.36	167.54	179.96	192.45	205.01	217.64	230.32	255.84	281.55	307.41	333.40	359.49	385.67	411.91	438.20	490.85
1100	167.77	174.42	181.10	194.50	207.98	221.53	235.15	248.82	276.32	303.99	331.81	359.73	387.75	415.82	443.93	472.05	528.26
1200	180.12	187.25	194.40	208.77	223.21	237.72	252.30	266.93	296.34	325.91	355.60	385.38	415.22	445.09	474.96	504.80	564.31
1300	192.25	199.85	207.47	222.77	238.15	253.60	269.11	284.67	315.92	347.32	378.82	410.37	441.94	473.50	505.01	536.45	598.97
1400	204.18	212.23	220.31	236.53	252.82	269.18	285.59	302.05	335.10	368.25	401.47	434.70	467.91	501.05	534.10	567.00	632.25
1500	215.92	224.42	232.94	250.05	267.23	284.47	301.76	319.10	353.86	388.70	423.56	458.39	493.14	527.76	562.20	596.44	664.11
<b>1600</b>	<b>227.47</b>	236.41	245.37	263.35	281.39	299.49	317.64	335.81	372.23	408.69	445.11	481.44	517.62	553.60	589.33	624.76	694.53
<b>1700</b>	<b>238.85</b>	248.22	257.60	276.43	295.31	314.25	333.21	352.20	390.22	428.21	466.10	503.84	541.35	578.58	615.46	651.94	723.49
<b>1800</b>	<b>250.06</b>	<b>259.85</b>	269.65	289.30	309.00	328.74	348.50	368.27	407.81	447.26	486.55	525.60	564.33	602.68	640.58	677.96	-
<b>1900</b>	<b>261.11</b>	<b>271.30</b>	281.51	301.96	322.45	342.97	363.50	384.03	425.02	465.86	506.45	546.71	586.55	625.89	664.66	702.79	-
<b>2000</b>	<b>272.00</b>	<b>282.59</b>	<b>293.19</b>	314.42	335.68	356.95	378.22	399.47	441.85	483.99	525.79	567.15	607.98	648.19	687.69	-	-
<b>2500</b>	<b>324.15</b>	<b>336.56</b>	<b>348.97</b>	373.75	398.46	423.08	447.59	471.96	520.18	567.56	613.94	659.15	-	-	-	-	-
<b>3000</b>	<b>372.60</b>	<b>386.56</b>	<b>400.49</b>	<b>428.19</b>	<b>455.68</b>	482.91	509.83	536.42	588.45	-	-	-	-	-	-	-	-
<b>3500</b>	<b>417.38</b>	<b>432.60</b>	<b>447.72</b>	<b>447.68</b>	<b>507.18</b>	<b>536.17</b>	564.59	592.40	-	-	-	-	-	-	-	-	-

NOTE: The shaded area indicates a reduction in belt service life.



# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



## RPP<sup>®</sup> PANTHER<sup>®</sup> DRIVE SELECTION DATA

### DRIVE SELECTION TABLES FOR 8M BELTS

Line No.	Ratio	Sprocket Combination				Driven Speed and Horsepower											
		Driver		Driven		Driven RPM	HP per Belt Width				480	560	600	640	720	800	880
		No. Teeth	Pitch Dia.	No. Teeth	Pitch Dia.		1750 RPM Driver										
							12	22	35	60							
Multiply HP Ratings by BELT LENGTH FACTOR →											.80		.90				
1	1.00	80	8.020	80	8.020	1750	22.09	40.54	64.51	110.62	-	-	-	-	-	-	-
2	1.00	72	7.218	72	7.218	1750	19.81	36.35	57.85	99.20	-	-	-	-	-	-	-
3	1.00	64	6.416	64	6.416	1750	17.52	32.14	51.16	87.72	-	-	-	-	-	-	7.24
4	1.00	56	5.614	56	5.614	1750	15.22	27.93	44.45	76.23	-	-	-	-	-	6.93	8.50
5	1.00	48	4.812	48	4.812	1750	12.93	23.73	37.76	64.75	-	-	-	5.04	6.61	8.19	9.76
6	1.00	44	4.411	44	4.411	1750	11.79	21.63	34.43	59.03	-	-	4.88	5.67	7.24	8.82	10.39
7	1.00	40	4.010	40	4.010	1750	10.65	19.54	31.10	53.33	-	4.72	5.51	6.30	7.87	9.45	11.02
8	1.00	38	3.810	38	3.810	1750	10.08	18.50	29.45	50.49	-	5.04	5.83	6.61	8.19	9.76	11.34
9	1.00	36	3.609	36	3.609	1750	9.52	17.46	27.79	47.65	3.78	5.35	6.14	6.93	8.50	10.08	11.65
10	1.00	34	3.409	34	3.409	1750	8.95	16.43	26.14	44.82	4.09	5.67	6.46	7.24	8.82	10.39	11.97
11	1.00	32	3.208	32	3.208	1750	8.39	15.39	24.50	42.01	4.41	5.98	6.77	7.56	9.13	10.71	12.28
12	1.00	30	3.008	30	3.008	1750	7.83	14.36	22.86	39.20	4.72	6.30	7.09	7.87	9.45	11.02	12.60
13	1.00	28	2.807	28	2.807	1750	7.27	13.34	21.23	36.40	5.04	6.61	7.40	8.19	9.76	11.34	12.91
14	1.00	26	2.607	26	2.607	1750	6.71	12.32	19.61	33.62	5.35	6.93	7.72	8.50	10.08	11.65	13.23
15	1.00	24	2.406	24	2.406	1750	6.16	11.30	17.99	30.85	5.67	7.24	8.03	8.82	10.39	11.97	13.54
16	1.00	22	2.206	22	2.206	1750	5.61	10.29	16.38	28.09	5.98	7.56	8.35	9.13	10.71	12.28	13.86
17	1.05	38	3.810	40	4.010	1663	10.08	18.50	29.45	50.49	-	4.88	5.67	6.46	8.03	9.61	11.18
18	1.06	36	3.609	38	3.810	1658	9.52	17.46	27.79	47.65	-	5.20	5.98	6.77	8.35	9.92	11.50
19	1.06	34	3.409	36	3.609	1653	8.95	16.43	26.14	44.82	3.94	5.51	6.30	7.09	8.66	10.24	11.81
20	1.06	32	3.208	34	3.409	1647	8.39	15.39	24.50	42.01	4.25	5.83	6.61	7.40	8.98	10.55	12.13
21	1.07	30	3.008	32	3.208	1641	7.83	14.36	22.86	39.20	4.57	6.14	6.93	7.72	9.29	10.87	12.44
22	1.07	28	2.807	30	3.008	1633	7.27	13.34	21.23	36.40	4.88	6.46	7.24	8.03	9.61	11.18	12.76
23	1.08	26	2.607	28	2.807	1625	6.71	12.32	19.61	33.62	5.20	6.77	7.56	8.35	9.92	11.50	13.07
24	1.08	24	2.406	26	2.607	1615	6.16	11.30	17.99	30.85	5.51	7.09	7.87	8.66	10.24	11.81	13.39
25	1.09	44	4.411	48	4.812	1604	11.79	21.63	34.43	59.03	-	-	-	5.35	6.93	8.50	10.08
26	1.09	22	2.206	24	2.406	1604	5.61	10.29	16.38	28.09	5.83	7.40	8.19	8.98	10.55	12.13	13.70
27	1.10	40	4.010	44	4.411	1591	10.65	19.54	31.10	53.33	-	4.40	5.19	5.98	7.56	9.13	10.71
28	1.11	72	7.218	80	8.020	1575	19.81	36.35	57.85	99.20	-	-	-	-	-	-	-
29	1.11	36	3.609	40	4.010	1575	9.52	17.46	27.79	47.65	-	5.04	5.82	6.61	8.19	9.76	11.34
30	1.12	34	3.409	38	3.810	1566	8.95	16.43	26.14	44.82	3.77	5.35	6.14	6.93	8.50	10.08	11.65
31	1.13	80	8.020	90	9.023	1556	22.09	40.54	64.51	110.62	-	-	-	-	-	-	-
32	1.13	64	6.416	72	7.218	1556	17.52	32.14	51.16	87.72	-	-	-	-	-	-	-
33	1.13	32	3.208	36	3.609	1556	8.39	15.39	24.50	42.01	4.09	5.67	6.45	7.24	8.82	10.39	11.97
34	1.13	30	3.008	34	3.409	1544	7.83	14.36	22.86	39.20	4.40	5.98	6.77	7.56	9.13	10.71	12.28
35	1.14	56	5.614	64	6.416	1531	15.22	27.93	44.45	76.23	-	-	-	-	-	6.29	7.86
36	1.14	28	2.807	32	3.208	1531	7.27	13.34	21.23	36.40	4.72	6.30	7.08	7.87	9.45	11.02	12.60
37	1.15	26	2.607	30	3.008	1517	6.71	12.32	19.61	33.62	5.04	6.61	7.40	8.19	9.76	11.34	12.91
38	1.16	38	3.810	44	4.411	1511	10.08	18.50	29.45	50.49	-	4.56	5.35	6.13	7.71	9.29	10.86
39	1.17	48	4.812	56	5.614	1500	12.93	23.73	37.76	64.75	-	-	-	-	5.97	7.55	9.13
40	1.17	24	2.406	28	2.807	1500	6.16	11.30	17.99	30.85	5.35	6.93	7.71	8.50	10.08	11.65	13.23
41	1.18	34	3.409	40	4.010	1488	8.95	16.43	26.14	44.82	-	5.19	5.98	6.76	8.34	9.92	11.49
42	1.18	22	2.206	26	2.607	1481	5.61	10.29	16.38	28.09	5.67	7.24	8.03	8.82	10.39	11.97	13.54
43	1.19	32	3.208	38	3.810	1474	8.39	15.39	24.50	42.01	3.93	5.50	6.29	7.08	8.66	10.23	11.81
44	1.20	40	4.010	48	4.812	1458	10.65	19.54	31.10	53.33	-	-	4.87	5.66	7.23	8.81	10.39
45	1.20	30	3.008	36	3.609	1458	7.83	14.36	22.86	39.20	4.24	5.82	6.61	7.40	8.97	10.55	12.12
46	1.21	28	2.807	34	3.409	1441	7.27	13.34	21.23	36.40	4.56	6.13	6.92	7.71	9.29	10.86	12.44
47	1.22	36	3.609	44	4.411	1432	9.52	17.46	27.79	47.65	-	4.71	5.50	6.29	7.86	9.44	11.02
48	1.23	26	2.607	32	3.208	1422	6.71	12.32	19.61	33.62	4.87	6.45	7.24	8.03	9.60	11.18	12.75
49	1.25	72	7.218	90	9.023	1400	19.81	36.35	57.85	99.20	-	-	-	-	-	-	-
50	1.25	64	6.416	80	8.020	1400	17.52	32.14	51.16	87.72	-	-	-	-	-	-	-

NOTE: Shortest Center Distance shown for each sprocket combination may not accommodate installation allowance.



# PANTHER® SYNCHRONOUS DRIVES



## RPP® PANTHER® DRIVE SELECTION DATA

### DRIVE SELECTION TABLES FOR 8M BELTS

Theoretical Center Distances in Inches for Various Belt Lengths																		Line No.			
960	1040	1120	1200	1224	1280	1440	1600	1760	1800	2000	2200	2400	2600	2800	3048	3280	3600		4400		
1.00				1.10				1.20				1.30			1.40			1.50			
-	-	9.45	11.02	11.50	12.60	15.75	18.90	22.05	22.83	26.77	30.71	34.65	38.58	42.52	47.40	51.97	58.27	74.02	1		
7.56	9.13	10.71	12.28	12.76	13.86	17.01	20.16	23.31	24.09	28.03	31.97	35.91	39.84	43.78	48.66	53.23	59.53	75.28	2		
8.82	10.39	11.97	13.54	14.02	15.12	18.27	21.42	24.57	25.35	29.29	33.23	37.17	41.10	45.04	49.92	54.49	60.79	76.54	3		
10.08	11.65	13.23	14.80	15.28	16.38	19.53	22.68	25.83	26.61	30.55	34.49	38.43	42.36	46.30	51.18	55.75	62.05	77.80	4		
11.34	12.91	14.49	16.06	16.54	17.64	20.79	23.94	27.09	27.87	31.81	35.75	39.69	43.62	47.56	52.44	57.01	63.31	79.06	5		
11.97	13.54	15.12	16.69	17.17	18.27	21.42	24.57	27.72	28.50	32.44	36.38	40.31	44.25	48.19	53.07	57.64	63.94	79.69	6		
12.60	14.17	15.75	17.32	17.80	18.90	22.05	25.20	28.35	29.13	33.07	37.01	40.94	44.88	48.82	53.70	58.27	64.57	80.31	7		
12.91	14.49	16.06	17.64	18.11	19.21	22.36	25.51	28.66	29.45	33.39	37.32	41.26	45.20	49.13	54.02	58.58	64.88	80.63	8		
13.23	14.80	16.38	17.95	18.43	19.53	22.68	25.83	28.98	29.76	33.70	37.64	41.57	45.51	49.45	54.33	58.90	65.20	80.94	9		
13.54	15.12	16.69	18.27	18.74	19.84	22.99	26.14	29.29	30.08	34.02	37.95	41.89	45.83	49.76	54.65	59.21	65.51	81.26	10		
13.86	15.43	17.01	18.58	19.06	20.16	23.31	26.46	29.61	30.39	34.33	38.27	42.20	46.14	50.08	54.96	59.53	65.83	81.57	11		
14.17	15.75	17.32	18.90	19.37	20.47	23.62	26.77	29.92	30.71	34.65	38.58	42.52	46.46	50.39	55.28	59.84	66.14	81.89	12		
14.49	16.06	17.64	19.21	19.69	20.79	23.94	27.09	30.24	31.02	34.96	38.90	42.83	46.77	50.71	55.59	60.16	66.46	82.20	13		
14.80	16.38	17.95	19.53	20.00	21.10	24.25	27.40	30.55	31.34	35.28	39.21	43.15	47.09	51.02	55.91	60.47	66.77	82.52	14		
15.12	16.69	18.27	19.84	20.31	21.42	24.57	27.72	30.87	31.65	35.59	39.53	43.46	47.40	51.34	56.22	60.79	67.09	82.83	15		
15.43	17.01	18.58	20.16	20.63	21.73	24.88	28.03	31.18	31.97	35.91	39.84	43.78	47.72	51.65	56.54	61.10	67.40	83.15	16		
12.76	14.33	15.91	17.48	17.95	19.05	22.20	25.35	28.50	29.29	33.23	37.17	41.10	45.04	48.98	53.86	58.43	64.72	80.47	17		
13.07	14.64	16.22	17.79	18.27	19.37	22.52	25.67	28.82	29.61	33.54	37.48	41.42	45.35	49.29	54.17	57.74	65.04	80.79	18		
13.39	14.96	16.54	18.11	18.58	19.68	22.83	25.98	29.13	29.92	33.86	37.80	41.73	45.67	49.61	54.49	59.06	65.35	81.10	19		
13.70	15.28	16.85	18.42	18.90	20.00	23.15	26.30	29.45	30.24	34.17	38.11	42.05	45.98	49.92	54.80	59.37	65.67	81.42	20		
14.02	15.59	17.17	18.74	19.21	20.31	23.46	26.61	29.76	30.55	34.49	38.43	42.36	46.30	50.24	55.12	59.68	65.98	81.73	21		
14.33	15.91	17.48	19.05	19.53	20.63	23.78	26.93	30.08	30.87	34.80	38.74	42.68	46.61	50.55	55.43	60.00	66.30	82.05	22		
14.65	16.22	17.79	19.37	19.84	20.94	24.09	27.24	30.39	31.18	35.12	39.05	42.99	46.93	50.87	55.75	60.31	66.61	82.36	23		
14.96	16.54	18.11	19.68	20.16	21.26	24.41	27.56	30.71	31.50	35.43	39.37	43.31	47.24	51.18	56.06	60.63	66.93	82.68	24		
11.65	13.23	14.80	16.38	16.85	17.95	21.10	24.25	27.40	28.19	32.13	36.06	40.00	43.94	47.87	52.76	57.32	63.62	79.37	25		
15.28	16.85	18.42	20.00	20.47	21.57	24.72	27.87	31.02	31.81	35.75	39.68	43.62	47.56	51.50	56.38	60.94	67.24	82.99	26		
12.28	13.86	15.43	17.01	17.48	18.58	21.73	24.88	28.03	28.82	32.76	36.69	40.63	44.57	48.50	53.39	57.95	64.25	80.00	27		
-	8.49	10.07	11.65	12.12	13.22	16.37	19.52	22.67	23.46	27.40	31.34	35.27	39.21	43.15	48.03	52.60	58.90	74.64	28		
12.91	14.49	16.06	17.64	18.11	19.21	22.36	25.51	28.66	29.45	33.39	37.32	41.26	45.20	49.13	54.02	58.58	64.88	80.63	29		
13.23	14.80	16.38	17.95	18.42	19.53	22.68	25.83	28.98	29.76	33.70	37.64	41.57	45.51	49.45	54.33	58.90	65.20	80.94	30		
-	-	8.65	10.22	10.70	11.80	14.95	18.10	21.25	22.04	25.98	29.92	33.85	37.79	41.73	46.61	51.18	57.48	73.23	31		
8.18	9.76	11.33	12.91	13.38	14.48	17.63	20.78	23.93	24.72	28.66	32.60	36.53	40.47	44.41	49.29	53.86	60.16	75.90	32		
13.54	15.12	16.69	18.27	18.74	19.84	22.99	26.14	29.29	30.08	34.02	37.95	41.89	45.83	49.76	54.65	59.21	65.51	81.26	33		
13.86	15.43	17.01	18.58	19.05	20.16	23.31	26.46	29.61	30.39	34.33	38.27	42.20	46.14	50.08	54.96	59.53	65.83	81.57	34		
9.44	11.02	12.59	14.17	14.64	15.74	18.89	22.04	25.19	25.98	29.92	33.86	37.79	41.73	45.67	50.55	55.12	61.42	77.16	35		
14.17	15.75	17.32	18.90	19.37	20.47	23.62	26.77	29.92	30.71	34.65	38.58	42.52	46.46	50.39	55.28	59.84	66.14	81.89	36		
14.49	16.06	17.64	19.21	19.68	20.79	23.94	27.09	30.24	31.02	34.96	38.90	42.83	46.77	50.71	55.59	60.16	66.46	82.20	37		
12.44	14.04	15.59	17.16	17.64	18.74	21.89	25.04	28.19	28.97	32.91	36.85	40.79	44.72	48.66	53.54	58.11	64.41	80.16	38		
10.70	12.28	13.86	15.43	15.90	17.00	20.15	23.30	26.45	27.24	31.18	35.12	39.05	42.99	46.93	51.81	56.38	62.68	78.42	39		
14.80	16.38	17.95	19.53	20.00	21.10	24.25	27.40	30.55	31.34	35.28	39.21	43.15	47.09	51.02	55.91	60.47	66.77	82.52	40		
13.07	14.64	16.22	17.79	18.27	19.37	22.52	25.67	28.82	29.60	33.54	37.48	41.42	45.35	49.29	54.17	58.74	65.04	80.79	41		
15.12	16.69	18.27	19.84	20.31	21.42	24.57	27.72	30.87	31.65	35.59	39.53	43.46	47.40	51.34	56.22	60.79	67.09	82.83	42		
13.38	14.96	16.53	18.11	18.58	19.68	22.83	25.98	29.13	29.92	33.86	37.79	41.73	45.67	49.61	54.49	59.05	65.35	81.10	43		
11.96	13.54	15.11	16.69	17.16	18.26	21.41	24.56	27.71	28.50	32.44	36.38	40.31	44.25	48.19	53.07	57.64	63.94	79.68	44		
13.70	15.27	16.85	18.42	18.90	20.00	23.15	26.30	29.45	30.23	34.17	38.11	42.05	45.98	49.92	54.80	59.37	65.67	81.42	45		
14.01	15.59	17.16	18.74	19.21	20.31	23.46	26.61	29.76	30.55	34.49	38.42	42.36	46.30	50.24	55.12	59.68	65.98	81.73	46		
12.59	14.17	15.74	17.32	17.79	18.89	22.04	25.19	28.34	29.13	33.07	37.01	40.94	44.88	48.82	53.70	58.27	64.57	80.31	47		
14.33	15.90	17.48	19.05	19.53	20.63	23.78	26.93	30.08	30.86	34.80	38.74	42.68	46.61	50.55	55.43	60.00	66.30	82.05	48		
-	-	9.25	10.83	11.30	12.41	15.56	18.72	21.87	22.66	26.60	30.54	34.48	38.41	42.35	47.24	51.80	58.10	73.85	49		
7.52	9.10	10.68	12.26	12.73	13.84	16.99	20.14	23.29	24.08	28.02	31.96	35.90	39.83	43.77	48.65	53.22	59.52	75.27	50		

NOTE: Shortest Center Distance shown for each sprocket combination may not accommodate installation allowance.



# PANTHER® SYNCHRONOUS DRIVES



## RPP® PANTHER® DRIVE SELECTION DATA

### DRIVE SELECTION TABLES FOR 8M BELTS

Line No.	Ratio	Sprocket Combination				Driven Speed and Horsepower											
		Driver		Driven		HP per Belt Width											
		No. Teeth	Pitch Dia.	No. Teeth	Pitch Dia.	Driven RPM	1750 RPM Driver				480	560	600	640	720	800	880
							12	22	35	60							
Multiply HP Ratings by BELT LENGTH FACTOR →											.80		.90				
1	1.25	32	3.208	40	4.010	1400	8.39	15.39	24.50	42.01	3.76	5.34	6.13	6.92	8.49	10.07	11.65
2	1.25	24	2.406	30	3.008	1400	6.16	11.30	17.99	30.85	5.19	6.76	7.55	8.34	9.92	11.49	13.07
3	1.26	38	3.810	48	4.812	1385	10.08	18.50	29.45	50.49	-	-	5.01	5.81	7.38	8.96	10.54
4	1.27	44	4.411	56	5.614	1375	11.79	21.63	34.43	59.03	-	-	-	6.27	7.85	9.43	-
5	1.27	30	3.008	38	3.810	1382	7.83	14.36	22.86	39.20	4.07	5.66	6.44	7.26	8.81	10.39	11.96
6	1.27	22	2.206	28	2.807	1375	5.61	10.29	16.38	28.09	5.50	7.08	7.87	8.66	10.23	11.81	13.38
7	1.29	56	5.614	72	7.218	1361	15.22	27.93	44.45	76.23	-	-	-	-	-	-	7.20
8	1.29	34	3.409	44	4.411	1352	8.95	16.43	26.14	44.82	-	4.86	5.64	6.44	8.02	9.59	11.17
9	1.29	28	2.807	36	3.609	1361	7.27	13.34	21.23	36.40	4.39	5.97	6.76	7.55	9.13	10.70	12.28
10	1.31	26	2.607	34	3.409	1338	6.71	12.32	19.61	33.62	4.71	6.29	7.08	7.86	9.44	11.02	12.59
11	1.33	48	4.812	64	6.416	1313	12.93	23.73	37.76	64.75	-	-	-	-	-	6.88	8.47
12	1.33	36	3.609	48	4.812	1313	9.52	17.46	27.79	47.65	-	4.37	5.16	5.95	7.54	9.11	10.69
13	1.33	30	3.008	40	4.010	1313	7.83	14.36	22.86	39.20	3.90	5.49	6.28	7.07	8.65	10.22	11.80
14	1.33	24	2.406	32	3.208	1313	6.16	11.30	17.99	30.85	5.02	6.60	7.39	8.18	9.76	11.33	12.91
15	1.36	28	2.807	38	3.810	1289	7.27	13.34	21.23	36.40	4.22	5.81	6.60	7.38	8.96	10.54	12.12
16	1.36	22	2.206	30	3.008	1283	5.61	10.29	16.38	28.09	5.34	5.00	7.71	8.49	10.07	11.65	13.22
17	1.38	32	3.208	44	4.411	1273	8.39	15.39	24.50	42.01	-	6.12	5.80	6.59	8.17	9.75	11.32
18	1.38	26	2.607	36	3.609	1264	6.71	12.32	19.61	33.62	4.54	-	6.91	7.70	9.28	10.85	12.43
19	1.40	80	8.020	112	11.229	1250	22.09	40.54	64.51	110.62	-	-	-	-	-	-	-
20	1.40	40	4.010	56	5.614	1250	10.65	19.54	31.10	53.33	-	-	-	4.97	6.57	8.15	9.73
21	1.41	64	6.416	90	9.023	1244	17.52	32.14	51.16	87.72	-	-	-	-	-	-	-
22	1.41	34	3.409	48	4.812	1240	8.95	16.43	26.14	44.82	-	4.51	5.31	6.10	7.68	9.26	10.84
23	1.42	24	2.406	34	3.409	1235	6.16	11.30	17.99	30.85	4.86	6.44	7.23	8.02	9.59	11.17	12.75
24	1.43	56	5.614	80	8.020	1225	15.22	27.93	44.45	76.23	-	-	-	-	-	-	-
25	1.43	28	2.807	40	4.010	1225	7.27	13.34	21.23	36.40	4.05	5.64	6.43	7.22	8.80	10.38	11.95
26	1.45	44	4.411	64	6.416	1203	11.79	21.63	34.43	59.03	-	-	-	-	5.58	7.17	8.76
27	1.45	22	2.206	32	3.208	1203	5.61	10.29	16.38	28.09	5.17	6.75	7.54	8.33	9.91	11.49	13.06
28	1.46	26	2.607	38	3.810	1197	6.71	12.32	19.61	33.62	4.37	5.95	6.74	7.54	9.11	10.69	12.27
29	1.47	38	3.810	56	5.614	1188	10.08	18.50	29.45	50.49	-	-	-	5.12	6.71	8.30	9.88
30	1.47	30	3.008	44	4.411	1193	7.83	14.36	22.86	39.20	-	5.15	5.94	6.74	8.32	9.90	11.47
31	1.50	48	4.812	72	7.218	1167	12.93	23.73	37.76	64.75	-	-	-	-	-	6.18	7.78
32	1.50	32	3.208	48	4.812	1167	8.39	15.39	24.50	42.01	-	4.66	5.45	6.25	7.83	9.41	10.99
33	1.50	24	2.406	36	3.609	1167	6.16	11.30	17.99	30.85	4.69	6.27	7.06	7.85	9.43	11.01	12.58
34	1.54	26	2.607	40	4.010	1138	6.71	12.32	19.61	33.62	4.19	5.78	6.58	7.37	8.95	10.53	12.11
35	1.55	22	2.206	34	3.409	1132	5.61	10.29	16.38	28.09	5.00	6.59	7.38	8.17	9.75	11.32	12.90
36	1.56	72	7.218	112	11.229	1125	19.81	36.35	57.85	99.20	-	-	-	-	-	-	-
37	1.56	36	3.609	56	5.614	1125	9.52	17.46	27.79	47.65	-	-	-	5.26	6.86	8.44	10.03
38	1.57	28	2.807	44	4.411	1114	7.27	13.34	21.23	36.40	3.69	5.29	6.09	6.88	8.47	10.05	11.63
39	1.58	24	2.406	38	3.810	1105	6.16	11.30	17.99	30.85	4.51	6.10	6.89	7.68	9.26	10.84	12.42
40	1.60	40	4.010	64	6.416	1094	10.65	19.54	31.10	53.33	-	-	-	-	5.86	7.46	9.05
41	1.60	30	3.008	48	4.812	1094	7.83	14.36	22.86	39.20	-	4.80	5.60	6.39	7.98	9.56	11.14
42	1.61	56	5.614	90	9.023	1089	15.22	27.93	44.45	76.23	-	-	-	-	-	-	-
43	1.64	44	4.411	72	7.218	1069	11.79	21.63	34.43	59.03	-	-	-	-	-	6.46	8.07
44	1.64	22	2.206	36	3.609	1069	5.61	10.29	16.38	28.09	4.83	6.42	7.21	8.00	9.58	11.16	12.74
45	1.65	34	3.409	56	5.614	1063	8.95	16.43	26.14	44.82	-	-	4.59	5.40	7.00	8.59	10.18
46	1.67	48	4.812	80	8.020	1050	12.93	23.73	37.76	64.75	-	-	-	-	-	-	7.06
47	1.67	24	2.406	40	4.010	1050	6.16	11.30	17.99	30.85	4.34	5.93	6.72	7.52	9.10	10.68	12.26
48	1.68	38	3.810	64	6.416	1039	10.08	18.50	29.45	50.49	-	-	-	-	6.00	7.60	9.20
49	1.69	26	2.607	44	4.411	1034	6.71	12.32	19.61	33.62	3.83	5.44	6.23	7.03	8.61	10.20	11.78
50	1.71	28	2.807	48	4.812	1021	7.27	13.34	21.23	36.40	-	4.94	5.74	6.54	8.13	9.71	11.29

NOTE: Shortest Center Distance shown for each sprocket combination may not accommodate installation allowance.



# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



## RPP<sup>®</sup> PANTHER<sup>®</sup> DRIVE SELECTION DATA

### DRIVE SELECTION TABLES FOR 8M BELTS

Theoretical Center Distances in Inches for Various Belt Lengths																			Line No.		
960	1040	1120	1200	1224	1280	1440	1600	1760	1800	2000	2200	2400	2600	2800	3048	3280	3600	4400			
1.00				1.10				1.20				1.30			1.40			1.50			
13.22	14.80	16.37	17.95	18.42	19.52	22.67	25.82	28.97	29.76	33.70	37.64	41.57	45.51	49.45	54.33	58.90	65.20	80.94	1		
14.64	16.22	17.79	19.37	19.84	20.94	24.09	27.24	30.39	31.18	35.12	39.05	42.99	46.93	50.87	55.75	60.31	66.61	82.36	2		
12.12	13.69	15.27	16.84	17.32	18.42	21.57	24.72	27.87	28.66	32.59	36.53	40.47	44.41	48.34	53.23	57.79	64.09	79.84	3		
11.01	12.58	14.16	15.74	16.21	17.31	20.46	23.61	26.76	27.55	31.49	35.43	39.37	43.30	47.24	52.12	56.69	62.99	78.74	4		
13.54	15.11	16.69	18.26	18.74	19.84	22.99	26.14	29.29	30.08	34.01	37.95	41.89	45.83	49.76	54.64	59.21	65.51	81.26	5		
14.96	16.53	18.11	19.68	20.16	21.26	24.41	27.56	30.71	31.49	35.43	39.37	43.31	47.24	51.18	56.06	60.63	66.93	82.68	6		
8.78	10.36	11.94	13.52	13.99	15.10	18.25	21.40	24.55	25.34	29.28	33.22	37.16	41.09	45.03	49.91	54.48	60.78	76.53	7		
12.75	14.32	15.90	17.47	17.95	19.05	22.20	25.35	28.50	29.29	33.22	37.16	41.10	45.04	48.97	53.86	58.42	64.72	80.47	8		
13.85	15.43	17.00	18.58	19.05	20.15	23.30	26.45	29.60	30.39	34.33	38.27	42.20	46.14	50.08	54.96	59.53	65.83	81.57	9		
14.17	15.74	17.32	18.89	19.37	20.47	23.62	26.77	29.92	30.71	34.64	38.58	42.52	46.45	50.39	55.27	59.84	66.14	81.89	10		
10.05	11.63	13.20	14.78	15.25	16.36	19.51	22.66	25.81	26.60	30.54	34.48	38.42	42.35	46.29	51.17	55.74	62.04	77.79	11		
12.27	13.85	15.42	17.00	17.47	18.57	21.72	24.87	28.03	28.81	32.75	36.69	40.63	44.56	48.50	53.38	57.95	64.25	80.00	12		
13.38	14.95	16.53	18.10	18.58	19.68	22.83	25.98	29.13	29.92	33.85	37.79	41.73	45.67	49.60	54.49	59.05	65.35	81.10	13		
14.48	16.06	17.63	19.21	19.68	20.78	23.93	27.08	30.23	31.02	34.96	38.90	42.83	46.77	50.71	55.59	60.16	66.46	82.20	14		
13.69	15.27	16.84	18.42	18.89	19.99	23.14	26.29	29.44	30.23	34.17	38.11	42.04	45.95	49.92	54.80	59.37	65.67	81.42	15		
14.80	16.37	17.95	19.52	20.00	21.10	24.25	27.40	30.55	31.34	35.27	39.21	43.15	47.08	51.02	55.90	60.47	66.77	82.52	16		
12.90	14.48	16.05	17.63	18.10	19.20	22.35	25.50	28.66	29.44	33.38	37.32	41.26	45.19	49.13	54.01	58.58	64.88	80.63	17		
14.01	15.58	17.16	18.73	19.21	20.31	23.46	26.61	29.76	30.55	34.48	38.42	42.36	46.30	50.23	55.12	59.68	65.98	81.73	18		
-	-	-	-	-	9.95	13.13	16.30	19.46	20.25	24.20	28.14	32.09	36.03	39.97	44.85	49.42	55.72	71.48	19		
11.31	12.89	14.47	16.04	16.52	17.62	20.77	23.92	27.07	27.86	31.80	35.74	39.68	43.61	47.55	52.43	57.00	63.30	79.05	20		
-	8.24	9.83	11.42	11.90	13.01	16.17	19.33	22.48	23.27	27.21	31.15	35.09	39.03	42.97	47.86	52.42	58.73	74.48	21		
12.42	14.00	15.57	17.15	17.62	18.73	21.88	25.03	28.18	28.97	32.91	36.84	40.78	44.72	48.66	53.54	58.11	64.41	80.15	22		
14.32	15.90	17.47	19.05	19.52	20.62	23.77	26.92	30.07	30.86	34.80	38.74	42.67	46.61	50.55	55.43	60.00	66.30	82.05	23		
8.10	9.69	11.27	12.86	13.33	14.44	17.60	20.75	23.91	24.70	28.64	32.58	36.52	40.45	44.39	49.28	53.84	60.15	75.90	24		
12.53	15.11	16.68	18.26	18.73	19.83	22.98	26.13	29.29	30.07	34.01	37.95	41.89	45.82	49.76	54.64	59.21	65.51	81.26	25		
10.35	11.93	13.51	15.08	15.56	16.66	19.82	22.97	26.12	26.91	30.85	34.79	38.73	42.67	46.60	51.49	56.05	62.35	78.10	26		
14.64	16.21	17.79	19.36	19.84	20.94	24.09	27.24	30.39	31.18	35.11	39.05	42.99	46.93	50.86	55.75	60.31	66.61	82.36	27		
13.85	15.42	17.00	18.57	19.05	20.15	23.30	26.45	29.60	30.39	34.33	38.27	42.20	46.14	50.08	54.96	59.53	65.83	81.57	28		
11.46	13.04	14.62	16.20	16.67	17.77	20.93	24.08	27.23	28.02	31.96	35.89	39.83	43.77	47.71	52.59	57.16	63.46	79.21	29		
13.05	14.63	16.21	17.78	18.25	19.36	22.51	25.66	28.81	29.60	33.54	37.47	41.41	45.35	49.29	54.17	58.74	65.04	80.78	30		
9.37	10.96	12.54	14.12	14.60	15.70	18.86	22.01	25.17	25.96	29.90	33.84	37.78	41.71	45.65	50.54	55.10	61.41	77.16	31		
12.57	14.15	15.73	17.30	17.78	18.88	22.03	25.18	28.34	29.12	33.06	37.00	40.94	44.87	48.81	53.69	58.26	64.56	80.31	32		
14.16	15.74	17.31	18.89	19.36	20.46	23.61	26.76	29.92	30.70	34.64	38.58	42.52	46.45	50.39	55.27	59.84	66.14	81.89	33		
13.68	15.26	16.84	18.41	18.88	19.99	23.14	26.29	29.44	30.23	34.17	38.10	42.04	45.98	49.92	54.80	59.37	65.67	81.41	34		
14.48	16.05	17.63	19.20	19.68	20.78	23.93	27.08	30.23	31.02	34.96	38.89	42.83	46.77	50.71	55.59	60.15	66.45	82.20	35		
-	-	-	-	9.39	10.52	13.71	16.89	20.06	20.85	24.80	28.75	32.69	36.64	40.58	45.47	50.04	56.34	72.10	36		
11.61	13.19	14.77	16.35	16.82	17.92	21.08	24.23	27.38	28.17	32.11	36.05	39.99	43.93	47.86	52.75	57.31	63.61	79.36	37		
13.20	14.78	16.36	17.93	18.41	19.51	22.66	25.81	28.97	29.75	33.69	37.63	41.57	45.50	49.44	54.32	58.89	65.19	80.94	38		
14.00	15.57	17.15	18.73	19.20	20.30	23.45	26.60	29.76	30.54	34.48	38.42	42.36	46.29	50.23	55.11	59.68	65.98	81.73	39		
10.64	12.22	13.81	15.39	15.86	16.97	20.12	23.28	26.43	27.22	31.16	35.10	39.04	42.98	46.91	51.80	56.37	62.67	78.42	40		
12.72	14.30	15.88	17.46	17.93	19.03	22.19	25.34	28.49	29.28	33.22	37.15	41.09	45.03	48.97	53.85	58.42	64.72	80.47	41		
-	8.81	10.41	12.00	12.48	13.59	16.76	19.93	23.09	23.88	27.82	31.77	35.71	39.65	43.59	48.47	53.04	59.35	75.10	42		
9.66	11.25	12.84	14.42	14.89	16.00	19.16	22.32	25.47	26.26	30.20	34.14	38.08	42.02	45.96	50.85	55.42	61.72	77.47	43		
14.31	15.89	17.47	19.04	19.51	20.62	23.77	26.92	30.07	30.86	34.80	38.73	42.67	46.61	50.55	55.43	60.00	66.30	82.04	44		
11.76	13.34	14.92	16.50	16.97	18.08	21.23	24.38	27.54	28.32	32.26	36.20	40.14	44.08	48.02	52.90	57.47	63.77	79.52	45		
8.67	10.27	11.86	13.45	13.92	15.03	18.20	21.36	24.51	25.30	29.25	33.19	37.13	41.07	45.01	49.90	54.46	60.77	76.52	46		
13.84	15.41	16.99	18.57	19.04	20.14	23.29	26.44	29.60	30.38	34.32	38.26	42.20	46.13	50.07	54.95	59.52	65.82	81.57	47		
10.79	12.37	13.95	15.54	16.01	17.12	20.27	23.43	26.58	27.37	31.31	35.25	39.19	43.13	47.07	51.95	56.52	62.82	78.57	48		
13.36	14.93	16.51	18.09	18.56	19.66	22.82	25.97	29.12	29.91	33.85	37.78	41.72	45.66	49.60	54.48	59.05	65.35	81.10	49		
12.87	14.45	16.03	17.61	18.08	19.19	22.34	25.49	28.64	29.43	33.37	37.31	41.25	45.19	49.12	54.01	58.57	64.87	80.62	50		

NOTE: Shortest Center Distance shown for each sprocket combination may not accommodate installation allowance.





# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



## RPP<sup>®</sup> PANTHER<sup>®</sup> DRIVE SELECTION DATA

### DRIVE SELECTION TABLES FOR 8M BELTS

Line No.	Ratio	Sprocket Combination				Driven Speed and Horsepower											
		Driver		Driven		Driven RPM	HP per Belt Width										
		No. Teeth	Pitch Dia.	No. Teeth	Pitch Dia.		1750 RPM Driver				480	560	600	640	720	800	880
							12	22	35	60							
Multiply HP Ratings by BELT LENGTH FACTOR →											.80		.90				
1	1.73	22	2.206	38	3.810	1013	5.61	10.29	16.38	28.09	4.66	6.25	7.04	7.83	9.41	10.99	12.57
2	1.75	64	6.416	112	11.229	1000	17.52	32.14	51.16	87.72	-	-	-	-	-	-	-
3	1.75	32	3.208	56	5.614	1000	8.39	15.39	24.50	42.01	-	-	4.73	5.54	7.14	8.74	10.32
4	1.78	36	3.609	64	6.416	984	9.52	17.46	27.79	47.65	-	-	-	-	6.14	7.75	9.34
5	1.80	80	8.020	144	14.437	972	22.09	40.54	64.51	110.62	-	-	-	-	-	-	-
6	1.80	40	4.010	72	7.218	972	10.65	19.54	31.10	53.33	-	-	-	-	-	6.74	8.35
7	1.82	44	4.411	80	8.020	963	11.79	21.63	34.43	59.03	-	-	-	-	-	-	7.34
8	1.82	22	2.206	40	4.010	963	5.61	10.29	16.38	28.09	4.48	6.07	6.87	7.66	9.25	10.83	12.41
9	1.83	24	2.406	44	4.411	955	6.16	11.30	17.99	30.85	3.97	5.58	6.38	7.17	8.76	10.35	11.93
10	1.85	26	2.607	48	4.812	948	6.71	12.32	19.61	33.62	-	5.08	5.88	6.68	8.27	9.86	11.44
11	1.87	30	3.008	56	5.614	938	7.83	14.36	22.86	39.20	-	-	4.86	5.68	7.28	8.88	10.47
12	1.88	48	4.812	90	9.023	933	12.93	23.73	37.76	64.75	-	-	-	-	-	-	-
13	1.88	34	3.409	64	6.416	930	8.95	16.43	26.14	44.82	-	-	-	-	6.28	7.89	9.49
14	1.89	38	3.810	72	7.218	924	10.08	18.50	29.45	50.49	-	-	-	-	-	6.87	8.49
15	2.00	72	7.218	144	14.437	875	19.81	36.35	57.85	99.20	-	-	-	-	-	-	-
16	2.00	56	5.614	112	11.229	875	15.22	27.93	44.45	76.23	-	-	-	-	-	-	-
17	2.00	40	4.010	80	8.020	875	10.65	19.54	31.10	53.33	-	-	-	-	-	-	7.61
18	2.00	36	3.609	72	7.218	875	9.52	17.46	27.79	47.65	-	-	-	-	-	7.01	8.63
19	2.00	32	3.208	64	6.416	875	8.39	15.39	24.50	42.01	-	-	-	-	6.41	8.03	9.63
20	2.00	28	2.807	56	5.614	875	7.27	13.34	21.23	36.40	-	-	5.00	5.81	7.43	9.02	10.62
21	2.00	24	2.406	48	4.812	875	6.16	11.30	17.99	30.85	-	5.21	6.02	6.82	8.42	10.01	11.59
22	2.00	22	2.206	44	4.411	875	5.61	10.29	16.38	28.09	4.10	5.72	6.52	7.32	8.91	10.49	12.08
23	2.05	44	4.411	90	9.023	856	11.79	21.63	34.43	59.03	-	-	-	-	-	-	-
24	2.11	35	3.810	80	8.020	831	10.08	18.50	29.45	50.49	-	-	-	-	-	6.09	7.74
25	2.12	34	3.409	72	7.218	826	8.95	16.43	26.14	44.82	-	-	-	-	5.49	7.15	8.77
26	2.13	30	3.008	64	6.416	820	7.83	14.36	22.86	39.20	-	-	-	4.90	6.55	8.17	9.77
27	2.15	26	2.607	56	5.614	813	6.71	12.32	19.61	33.62	-	4.30	5.13	5.95	7.57	9.17	10.76
28	2.18	22	2.206	48	4.812	802	5.61	10.29	16.38	28.09	3.71	5.35	6.16	6.96	8.56	10.15	11.74
29	2.22	36	3.609	80	8.020	788	9.52	17.46	27.79	47.65	-	-	-	-	-	6.22	7.88
30	2.25	64	6.416	144	14.437	778	17.52	32.14	51.16	87.72	-	-	-	-	-	-	-
31	2.25	40	4.010	90	9.023	778	10.65	19.54	31.10	53.33	-	-	-	-	-	-	6.61
32	2.25	32	3.208	72	7.218	778	8.39	15.39	24.50	42.01	-	-	-	-	5.62	7.28	8.91
33	2.29	28	2.807	64	6.416	766	7.27	13.34	21.23	36.40	-	-	-	5.03	6.68	8.31	9.91
34	2.33	48	4.812	112	11.229	750	12.93	23.73	37.76	64.75	-	-	-	-	-	-	-
35	2.33	24	2.406	56	5.614	750	6.16	11.30	17.99	30.85	-	4.43	5.27	6.09	7.71	9.31	10.91
36	2.35	34	3.409	80	8.020	744	8.95	16.43	26.14	44.82	-	-	-	-	-	6.35	8.01
37	2.37	38	3.810	90	9.023	739	10.08	18.50	29.45	50.49	-	-	-	-	-	-	6.73
38	2.40	80	8.020	192	19.249	729	22.09	40.54	64.51	110.62	-	-	-	-	-	-	-
39	2.40	30	3.008	72	7.218	729	7.83	14.36	22.86	39.20	-	-	-	-	5.75	7.42	9.05
40	2.46	26	2.607	64	6.416	711	6.72	12.32	19.61	33.62	-	-	-	5.16	6.82	8.45	10.06
41	2.50	36	3.609	90	9.023	700	9.52	17.46	27.79	47.65	-	-	-	-	-	-	6.86
42	2.50	32	3.208	80	8.020	700	8.39	15.39	24.50	42.01	-	-	-	-	-	6.48	8.15
43	2.55	44	4.411	112	11.229	688	11.79	21.63	34.43	59.03	-	-	-	-	-	-	-
44	2.55	22	2.206	56	5.614	688	5.61	10.29	16.38	28.09	-	4.56	5.40	6.22	7.85	9.45	11.05
45	2.57	56	5.614	144	14.437	681	15.22	27.93	44.45	76.23	-	-	-	-	-	-	-
46	2.57	28	2.807	72	7.218	681	7.27	13.34	21.23	36.40	-	-	-	-	5.88	7.55	9.18
47	2.65	34	3.409	90	9.023	661	8.95	16.43	26.14	44.82	-	-	-	-	-	-	6.99
48	2.67	72	7.218	192	19.249	656	19.81	36.35	57.85	99.20	-	-	-	-	-	-	-
49	2.67	30	3.008	80	8.020	656	7.83	14.36	22.86	39.20	-	-	-	-	-	6.61	8.28
50	2.67	24	2.406	64	6.416	656	6.16	11.30	17.99	30.85	-	-	4.42	5.28	6.95	8.58	10.20

NOTE: Shortest Center Distance shown for each sprocket combination may not accommodate installation allowance.



**PANTHER<sup>®</sup> SYNCHRONOUS DRIVES**



**RPP<sup>®</sup> PANTHER<sup>®</sup> DRIVE SELECTION DATA**

**DRIVE SELECTION TABLES FOR 8M BELTS**

Theoretical Center Distances in Inches for Various Belt Lengths																		Line No.			
960	1040	1120	1200	1224	1280	1440	1600	1760	1800	2000	2200	2400	2600	2800	3048	3280	3600		4400		
1.00				1.10				1.20				1.30			1.40			1.50			
14.15	15.73	17.30	18.88	19.35	20.46	23.61	26.76	29.91	30.70	34.64	38.57	42.51	46.45	50.39	55.27	59.84	66.14	81.89	1		
-	-	-	9.46	9.94	11.08	14.29	17.47	20.65	21.44	25.40	29.35	33.30	37.25	41.19	46.08	50.65	56.96	72.72	2		
11.91	13.49	15.07	16.65	17.12	18.23	21.38	24.54	27.69	28.48	32.42	36.36	40.30	44.24	48.17	53.06	57.63	63.93	79.68	3		
10.93	12.52	14.10	15.69	16.16	17.27	20.42	23.58	26.73	27.52	31.46	35.41	39.35	43.28	47.22	52.11	56.68	62.98	78.73	4		
-	-	-	-	-	-	-	13.47	16.70	17.50	21.49	25.47	29.43	33.39	37.34	42.24	46.82	53.13	68.90	5		
9.95	11.54	13.13	14.72	15.19	16.30	19.46	22.62	25.78	26.57	30.51	34.45	38.39	42.33	46.27	51.16	55.72	62.03	77.78	6		
8.95	10.55	12.15	13.74	14.22	15.33	18.49	21.66	24.82	25.61	29.55	33.49	37.44	41.38	45.32	50.20	54.77	61.08	76.83	7		
13.99	15.56	17.14	18.72	19.19	20.29	23.45	26.60	29.75	30.54	34.48	38.41	42.35	46.29	50.23	55.11	59.68	65.98	81.73	8		
13.51	15.08	16.66	18.24	18.71	19.82	22.97	26.12	29.27	30.06	34.00	37.94	41.88	45.82	49.75	54.64	59.20	65.50	81.25	9		
13.02	14.60	16.18	17.76	18.23	19.34	22.49	25.65	28.80	29.59	33.53	37.46	41.40	45.34	49.28	54.16	58.73	65.03	80.78	10		
12.06	13.64	15.22	16.80	17.27	18.38	21.54	24.69	27.84	28.63	32.57	36.51	40.45	44.39	48.33	53.21	57.78	64.08	79.83	11		
7.74	9.37	10.98	12.58	13.06	14.17	17.35	20.52	23.69	24.48	28.43	32.37	36.32	40.26	44.20	49.09	53.66	59.96	75.72	12		
11.08	12.67	14.25	15.83	16.31	17.42	20.57	23.73	26.89	27.68	31.62	35.56	39.50	43.44	47.38	52.26	56.83	63.13	78.88	13		
10.09	11.69	13.28	14.86	15.34	16.45	19.61	22.77	25.93	26.72	30.66	34.60	38.54	42.49	46.43	51.31	55.88	62.18	77.93	14		
-	-	-	-	-	-	-	14.02	17.26	18.06	22.07	26.05	30.02	33.98	37.94	42.84	47.42	53.74	69.51	15		
-	-	-	10.00	10.49	11.63	14.85	18.05	21.23	22.03	25.99	29.95	33.90	37.85	41.80	46.69	51.26	57.57	73.34	16		
9.23	10.84	12.44	14.03	14.51	15.62	18.79	21.96	25.12	25.91	29.85	33.80	37.74	42.68	46.63	50.51	55.08	61.38	77.14	17		
10.23	11.83	13.42	15.01	15.49	16.59	19.76	22.92	26.08	26.87	30.81	34.76	38.70	42.64	46.58	51.46	56.03	62.34	78.09	18		
11.22	12.81	14.40	15.98	16.46	17.56	20.73	23.88	27.04	27.83	31.77	35.71	39.65	43.59	47.53	52.42	56.99	63.29	79.04	19		
12.20	13.79	15.37	16.95	17.42	18.53	21.69	24.84	28.00	28.78	32.73	36.67	40.61	44.54	48.48	53.37	57.94	64.24	79.99	20		
13.17	14.75	16.33	17.91	18.39	19.49	22.65	25.80	28.95	29.74	33.68	37.62	41.56	45.50	49.43	54.32	58.89	65.19	80.94	21		
13.66	15.24	16.81	18.39	18.87	19.97	23.12	26.28	29.43	30.22	34.16	38.09	42.03	45.97	49.91	54.79	59.36	65.66	81.41	22		
8.01	9.64	11.26	12.86	13.34	14.46	17.64	20.82	23.98	24.77	28.73	32.67	36.62	40.56	44.51	49.39	53.97	60.27	76.03	23		
9.37	10.98	12.58	14.17	14.65	15.76	18.94	22.10	25.27	26.06	30.00	33.95	37.89	41.84	45.78	50.66	55.24	61.54	77.29	24		
10.38	11.97	13.57	15.16	15.63	16.74	19.91	23.07	26.23	27.02	30.97	34.91	38.85	42.79	46.73	51.62	56.19	62.49	78.24	25		
11.37	12.96	14.55	16.13	16.61	17.71	20.88	24.03	27.19	27.98	31.92	35.87	39.81	43.75	47.69	52.57	57.14	63.44	79.19	26		
12.35	13.93	15.52	17.10	17.57	18.68	21.84	24.99	28.15	28.94	32.88	36.82	40.76	44.70	48.64	53.52	58.09	64.39	80.14	27		
13.32	14.90	16.48	18.06	18.54	19.64	22.80	25.95	29.10	29.89	33.83	37.77	41.71	45.65	49.59	54.47	59.04	65.34	81.09	28		
9.51	11.12	12.72	14.32	14.80	15.91	19.09	22.25	25.42	26.21	30.16	34.10	38.05	41.99	45.93	50.82	55.39	61.69	77.45	29		
-	-	-	-	-	-	11.25	14.56	17.81	18.62	22.64	26.63	30.60	34.57	38.53	43.44	48.02	54.34	70.12	30		
8.28	9.92	11.54	13.15	13.63	14.75	17.93	21.11	24.28	25.07	29.03	32.98	36.92	40.87	44.81	49.70	54.27	60.58	76.34	31		
10.52	12.12	13.71	15.30	15.78	16.89	20.06	23.22	26.38	27.17	31.12	35.06	39.00	42.95	46.89	51.77	56.34	62.65	78.40	32		
11.51	13.10	14.69	16.28	16.75	17.86	21.02	24.18	27.34	28.13	32.08	36.02	39.96	43.90	47.84	52.73	57.29	63.60	79.35	33		
-	-	8.86	10.53	11.03	12.17	15.41	18.62	21.81	22.61	26.58	30.54	34.50	38.45	42.40	47.29	51.87	58.18	73.95	34		
12.50	14.08	15.67	17.25	17.72	18.83	21.99	25.15	28.30	29.09	33.03	36.97	40.91	44.85	48.79	53.68	58.25	64.55	80.30	35		
9.64	11.26	12.86	14.46	14.94	16.05	19.23	22.40	25.57	26.36	30.31	34.25	38.20	42.14	46.08	50.97	55.54	61.85	77.60	36		
8.41	10.05	11.68	13.29	13.77	14.89	18.08	21.26	24.43	25.22	29.17	33.13	37.07	41.02	44.96	49.85	54.43	60.73	76.49	37		
-	-	-	-	-	-	-	-	-	-	17.02	21.14	25.20	29.22	33.23	38.17	42.78	49.13	64.95	38		
10.66	12.26	13.86	15.45	15.92	17.04	20.21	23.37	26.53	27.32	31.27	35.21	39.16	43.10	47.04	51.93	56.50	62.80	78.55	39		
11.66	13.25	14.84	16.42	16.90	18.01	21.17	24.33	27.49	28.28	32.23	36.17	40.11	44.05	47.99	52.88	57.45	63.75	79.50	40		
8.54	10.19	11.81	13.43	13.91	15.03	18.22	21.40	24.58	25.37	29.32	33.28	37.22	41.17	45.12	50.01	54.58	60.88	76.65	41		
9.78	11.40	13.01	14.60	15.08	16.20	19.38	22.55	25.71	26.50	30.46	34.40	38.35	42.29	46.24	51.12	55.70	62.00	77.76	42		
-	-	9.12	10.80	11.29	12.44	15.69	18.90	22.10	22.90	26.87	30.84	34.79	38.75	42.70	47.59	52.17	58.48	74.25	43		
12.64	14.23	15.81	17.40	17.87	18.98	22.14	25.30	28.45	29.24	33.18	37.13	41.07	45.01	48.95	53.83	58.40	64.70	80.45	44		
-	-	-	-	-	-	11.76	15.10	18.37	19.18	23.20	27.20	31.18	35.16	39.12	44.03	48.62	54.94	70.73	45		
10.80	12.40	14.00	15.59	16.07	17.18	20.35	23.52	26.68	27.47	31.42	35.36	39.31	43.25	47.19	52.08	56.65	62.95	78.71	46		
8.68	10.32	11.95	13.57	14.05	15.17	18.37	21.55	24.72	25.51	29.47	33.43	37.37	41.32	45.27	50.16	54.73	61.04	76.80	47		
-	-	-	-	-	-	-	-	-	-	13.26	17.54	21.68	25.75	29.78	33.79	38.74	43.36	49.71	65.55	48	
9.92	11.54	13.15	14.75	15.23	16.34	19.52	22.70	25.86	26.65	30.61	34.55	38.50	42.45	46.39	51.28	55.85	62.15	77.91	49		
11.80	13.39	14.98	16.57	17.05	18.16	21.32	24.48	27.64	28.43	32.28	36.32	40.27	44.21	48.15	53.03	57.60	63.91	79.66	50		

NOTE: Shortest Center Distance shown for each sprocket combination may not accommodate installation allowance.



# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



## RPP<sup>®</sup> PANTHER<sup>®</sup> DRIVE SELECTION DATA

### DRIVE SELECTION TABLES FOR 8M BELTS

Line No.	Ratio	Sprocket Combination				Driven Speed and Horsepower											
		Driver		Driven		Driven RPM	HP per Belt Width				480	560	600	640	720	800	880
		No. Teeth	Pitch Dia.	No. Teeth	Pitch Dia.		1750 RPM Driver										
							12	22	35	60							
Multiply HP Ratings by BELT LENGTH FACTOR →											.80		.90				
1	2.77	26	2.607	72	7.218	632	6.71	12.21	19.61	33.62	-	-	-	-	6.01	7.68	9.32
2	2.80	40	4.010	112	11.229	625	10.65	19.54	31.10	53.33	-	-	-	-	-	-	-
3	2.81	32	3.208	90	9.023	622	8.39	15.39	24.50	42.01	-	-	-	-	-	-	7.11
4	2.86	28	2.807	80	8.020	613	7.27	13.34	21.23	36.40	-	-	-	-	-	6.73	8.41
5	2.91	22	2.206	64	6.416	602	5.61	10.29	16.38	28.09	-	-	4.54	5.41	7.09	8.72	10.34
6	2.95	38	3.810	112	11.229	594	10.08	18.50	29.45	50.49	-	-	-	-	-	-	-
7	3.00	64	6.416	192	19.249	583	17.52	32.14	51.16	87.72	-	-	-	-	-	-	-
8	3.00	48	4.812	144	14.437	583	12.93	23.73	37.76	64.75	-	-	-	-	-	-	-
9	3.00	30	3.008	90	9.023	583	7.83	14.36	22.86	39.20	-	-	-	-	-	-	7.24
10	3.00	24	2.406	72	7.218	583	6.16	11.30	17.99	30.85	-	-	-	-	6.14	7.82	9.46
11	3.08	26	2.607	80	8.020	569	6.71	12.32	19.61	33.62	-	-	-	-	-	6.86	8.54
12	3.11	36	3.609	112	11.229	563	9.52	17.46	27.79	47.65	-	-	-	-	-	-	-
13	3.21	28	2.807	90	9.023	544	7.27	13.34	21.23	36.40	-	-	-	-	-	-	7.37
14	3.27	44	4.411	144	14.437	535	11.79	21.63	34.43	59.03	-	-	-	-	-	-	-
15	3.27	22	2.206	72	7.218	535	5.61	10.29	16.38	28.09	-	-	-	-	6.26	7.95	9.59
16	3.29	34	3.409	112	11.229	531	8.95	16.43	26.14	44.82	-	-	-	-	-	-	-
17	3.33	24	2.406	80	8.020	525	6.16	11.30	17.99	30.85	-	-	-	-	-	6.99	8.68
18	3.43	56	5.614	192	19.249	510	15.22	27.93	44.45	76.23	-	-	-	-	-	-	-
19	3.46	26	2.607	90	9.023	506	6.71	12.32	19.61	33.62	-	-	-	-	-	-	7.49
20	3.50	32	3.208	112	11.229	500	8.39	15.39	24.50	42.01	-	-	-	-	-	-	-
21	3.60	40	4.010	144	14.437	486	10.65	19.54	31.10	53.33	-	-	-	-	-	-	-
22	3.64	22	2.206	80	8.020	481	5.61	10.29	16.38	28.09	-	-	-	-	5.33	7.11	8.81
23	3.73	30	3.008	112	11.229	469	7.83	14.36	22.86	39.20	-	-	-	-	-	-	-
24	3.75	24	2.406	90	9.023	467	6.16	11.30	17.99	30.85	-	-	-	-	-	5.80	7.62
25	3.79	38	3.810	144	14.437	462	10.08	18.50	29.45	50.49	-	-	-	-	-	-	-
26	4.00	48	4.812	192	19.249	438	12.93	23.73	37.76	64.75	-	-	-	-	-	-	-
27	4.00	36	3.609	144	14.437	438	9.52	17.46	27.79	47.65	-	-	-	-	-	-	-
28	4.00	28	2.807	112	11.229	438	7.27	13.34	21.23	36.40	-	-	-	-	-	-	-
29	4.09	22	2.206	90	9.023	428	5.61	10.29	16.38	28.09	-	-	-	-	-	5.92	7.74
30	4.24	34	3.409	144	14.437	413	8.95	16.43	26.14	44.82	-	-	-	-	-	-	-
31	4.31	26	2.607	112	11.229	406	6.71	12.32	19.61	33.62	-	-	-	-	-	-	-
32	4.36	44	4.411	192	19.249	401	11.79	21.63	34.43	59.03	-	-	-	-	-	-	-
33	4.50	32	3.208	144	14.437	389	8.39	15.39	24.50	42.01	-	-	-	-	-	-	-
34	4.67	24	2.406	112	11.229	375	6.16	11.30	17.99	30.85	-	-	-	-	-	-	-
35	4.80	40	4.010	192	19.249	365	10.65	19.54	31.10	53.33	-	-	-	-	-	-	-
36	4.80	30	3.008	144	14.437	365	7.83	14.36	22.86	39.20	-	-	-	-	-	-	-
37	5.05	38	3.810	192	19.249	346	10.08	18.50	29.45	50.49	-	-	-	-	-	-	-
38	5.09	22	2.206	112	11.229	344	5.61	10.29	16.38	28.09	-	-	-	-	-	-	-
39	5.14	28	2.807	144	14.437	340	7.27	13.34	21.23	36.40	-	-	-	-	-	-	-
40	5.33	36	3.609	192	19.249	328	9.52	17.46	27.79	47.65	-	-	-	-	-	-	-
41	5.54	26	2.607	144	14.437	316	6.71	12.32	19.61	33.62	-	-	-	-	-	-	-
42	5.65	34	3.409	192	19.249	310	8.95	16.43	26.14	44.82	-	-	-	-	-	-	-
43	6.00	32	3.208	192	19.249	292	8.39	15.39	24.50	42.01	-	-	-	-	-	-	-
44	6.00	24	2.406	144	14.437	292	6.16	11.30	17.99	30.85	-	-	-	-	-	-	-
45	6.40	30	3.008	192	19.249	273	7.83	14.36	22.86	39.20	-	-	-	-	-	-	-
46	6.55	22	2.206	144	14.437	267	5.61	10.29	16.38	28.09	-	-	-	-	-	-	-
47	6.86	28	2.807	192	19.249	255	7.27	13.34	21.23	36.40	-	-	-	-	-	-	-
48	7.38	26	2.607	192	19.249	237	6.71	12.32	19.61	33.62	-	-	-	-	-	-	-
49	8.00	24	2.406	192	19.249	219	6.16	11.30	17.99	30.85	-	-	-	-	-	-	-
50	8.73	22	2.206	192	19.249	201	5.61	10.29	16.38	28.09	-	-	-	-	-	-	-

NOTE: Shortest Center Distance shown for each sprocket combination may not accommodate installation allowance.



**PANTHER<sup>®</sup> SYNCHRONOUS DRIVES**



**RPP<sup>®</sup> PANTHER<sup>®</sup> DRIVE SELECTION DATA**

**DRIVE SELECTION TABLES FOR 8M BELTS**

Theoretical Center Distances in Inches for Various Belt Lengths																		Line No.			
960	1040	1120	1200	1224	1280	1440	1600	1760	1800	2000	2200	2400	2600	2800	3048	3280	3600		4400		
1.00				1.10				1.20				1.30			1.40			1.50			
10.94	12.54	14.14	15.74	16.21	17.33	20.50	23.67	26.83	27.62	31.57	35.52	39.46	43.40	47.35	52.23	56.80	63.11	78.86	1		
-	7.63	9.38	11.06	11.56	12.71	15.97	19.19	22.39	23.18	27.16	31.13	35.09	39.05	43.00	47.90	52.47	58.79	74.56	2		
8.81	10.46	12.09	13.71	14.19	15.31	18.51	21.69	24.87	25.66	29.62	33.57	37.53	41.47	45.42	50.31	54.88	61.19	76.95	3		
10.05	11.68	13.29	14.89	15.37	16.49	19.67	22.84	26.01	26.80	30.76	34.71	38.65	42.60	46.54	51.43	56.00	62.31	78.07	4		
11.94	13.54	15.13	16.72	17.19	18.30	21.47	24.63	27.79	28.58	32.53	36.47	40.42	44.36	48.30	53.19	57.76	64.06	79.81	5		
-	7.76	9.50	11.19	11.69	12.85	16.11	19.33	22.53	23.33	27.31	31.28	35.24	39.19	43.15	48.05	52.63	58.94	74.71	6		
-	-	-	-	-	-	-	-	12.85	13.75	18.06	22.22	26.30	30.34	34.36	39.32	43.94	50.30	66.15	7		
-	-	-	-	-	-	12.27	15.63	18.91	19.72	23.76	27.77	31.76	35.74	39.71	44.62	49.21	55.54	71.33	8		
8.94	10.59	12.23	13.85	14.33	15.45	18.65	21.84	25.02	25.81	29.77	33.72	37.68	41.62	45.57	50.46	55.04	61.34	77.11	9		
11.08	12.68	14.29	15.88	16.36	17.47	20.65	23.82	26.98	27.77	31.72	35.67	39.61	43.56	47.50	52.39	56.96	63.26	79.02	10		
10.19	11.81	13.43	15.03	15.51	16.63	19.81	22.99	26.16	26.95	30.91	34.86	38.80	42.75	46.69	51.58	56.16	62.46	78.22	11		
-	7.88	9.63	11.32	11.82	12.98	16.24	19.47	22.67	23.47	27.45	31.42	35.39	39.34	43.30	48.20	52.78	59.09	74.86	12		
9.07	10.73	12.36	13.98	14.47	15.59	18.80	21.98	25.16	25.96	29.92	33.87	37.83	41.77	45.72	50.61	55.19	61.50	77.26	13		
-	-	-	-	-	-	12.53	15.90	19.18	20.00	24.04	28.05	32.05	36.03	40.00	44.92	49.51	55.84	71.64	14		
11.21	12.83	14.43	16.02	16.50	17.62	20.79	23.96	27.13	27.92	31.87	35.82	39.76	43.71	47.65	52.54	57.11	63.42	79.17	15		
-	8.00	9.76	11.45	11.95	13.11	16.38	19.61	22.81	23.61	27.60	31.57	35.53	39.49	43.45	48.35	52.93	59.24	75.02	16		
10.32	11.95	13.57	15.17	15.65	16.77	19.96	23.14	26.31	27.10	31.05	35.01	38.95	42.90	46.85	51.73	56.31	62.61	78.37	17		
-	-	-	-	-	-	-	-	13.33	14.24	18.58	22.75	26.85	30.90	34.92	39.89	44.52	50.88	66.74	18		
9.20	10.86	12.50	14.12	14.61	15.73	18.94	22.13	25.31	26.10	30.06	34.02	37.97	41.92	45.87	50.76	55.34	61.65	77.41	19		
-	8.12	9.88	11.58	12.08	13.25	16.52	19.75	22.96	23.76	27.74	31.71	35.68	39.64	43.59	48.50	53.08	59.39	75.17	20		
-	-	-	-	-	-	12.78	16.16	19.45	20.27	24.32	28.34	32.33	36.32	40.29	45.21	49.81	56.14	71.94	21		
10.46	12.09	13.71	15.31	15.79	16.91	20.10	23.28	26.45	27.25	31.20	35.16	39.10	43.05	47.00	51.89	56.46	62.77	78.53	22		
-	8.24	10.01	11.71	12.22	13.38	16.66	19.89	23.10	23.90	27.89	31.86	35.83	39.79	43.74	48.65	53.23	59.54	75.32	23		
9.33	10.99	12.64	14.26	14.75	15.87	19.08	22.27	25.45	26.25	30.21	34.17	38.12	42.07	46.02	50.92	55.49	61.80	77.57	24		
-	-	-	-	-	9.30	12.91	16.29	19.59	20.41	24.46	28.48	32.48	36.46	40.44	45.36	49.95	56.28	72.09	25		
-	-	-	-	-	-	-	-	13.82	14.73	19.09	23.28	27.39	31.45	35.48	40.46	45.09	51.46	67.33	26		
-	-	-	-	-	9.42	13.03	16.42	19.72	20.54	24.60	28.62	32.62	36.61	40.58	45.50	50.10	56.43	72.24	27		
-	8.36	10.14	11.84	12.35	13.51	16.79	20.03	23.24	24.04	28.03	32.01	35.97	39.94	43.89	48.79	53.38	59.69	75.47	28		
9.46	11.13	12.77	14.40	14.88	16.01	19.22	22.42	25.60	26.39	30.36	34.32	38.27	42.22	43.17	51.07	55.64	61.95	77.72	29		
-	-	-	-	-	9.54	13.16	16.55	19.86	20.68	24.74	28.76	32.76	36.75	40.73	45.65	50.25	56.58	72.39	30		
-	8.49	10.26	11.97	12.48	13.64	16.93	20.17	23.38	24.18	28.17	32.15	36.12	40.08	44.04	48.94	53.53	59.84	75.63	31		
-	-	-	-	-	-	-	-	14.06	14.97	19.35	23.55	27.66	31.73	35.76	40.74	45.38	51.75	67.62	32		
-	-	-	-	-	9.65	13.28	16.68	19.99	20.81	24.88	28.90	32.91	36.89	40.87	45.80	50.40	56.73	72.54	33		
-	8.61	10.39	12.10	12.61	13.78	17.06	20.31	23.52	24.32	28.32	32.30	36.27	40.23	44.19	49.09	53.68	60.00	75.75	34		
-	-	-	-	-	-	-	-	14.29	15.21	19.60	23.81	27.93	32.00	36.04	41.02	45.66	52.04	67.92	35		
-	-	-	-	-	9.77	13.41	16.81	20.13	20.95	25.01	29.04	33.05	37.04	41.02	45.94	50.54	56.88	72.69	36		
-	-	-	-	-	-	-	-	14.41	15.34	19.73	23.94	28.07	32.14	36.18	41.16	45.80	52.18	68.07	37		
6.78	8.73	10.51	12.23	12.71	13.91	17.20	20.45	23.66	24.46	28.46	32.44	36.41	40.38	44.34	49.24	53.83	60.15	75.93	38		
-	-	-	-	-	9.89	13.53	16.94	20.26	21.08	25.15	29.18	33.19	37.18	41.16	46.09	50.69	57.03	72.84	39		
-	-	-	-	-	-	-	-	14.53	15.46	19.86	24.07	28.20	32.28	36.32	41.30	45.95	52.33	68.21	40		
-	-	-	-	8.57	10.01	13.66	17.08	20.40	21.22	25.29	29.32	33.33	37.33	41.31	46.24	50.84	57.17	72.99	41		
-	-	-	-	-	-	-	-	14.65	15.58	19.98	24.20	28.33	32.41	36.46	41.45	46.09	52.47	68.36	42		
-	-	-	-	-	-	-	-	14.77	15.70	20.11	24.34	28.47	32.55	36.60	42.59	46.23	52.62	68.51	43		
-	-	-	-	8.68	10.12	13.78	17.21	20.53	21.35	25.43	29.46	33.47	37.47	41.45	46.38	50.98	57.32	73.14	44		
-	-	-	-	-	-	-	-	14.89	15.82	20.24	24.47	28.60	32.69	36.74	41.73	46.37	52.76	68.65	45		
-	-	-	-	8.80	10.24	13.91	17.33	20.66	21.49	25.56	29.60	33.62	37.61	41.60	46.53	51.13	57.47	73.29	46		
-	-	-	-	-	-	-	-	15.01	15.94	20.36	24.60	28.74	32.82	36.88	41.87	46.52	52.90	68.80	47		
-	-	-	-	-	-	11.00	15.13	16.06	20.49	24.73	28.87	32.96	37.01	42.01	46.66	53.05	68.95	48			
-	-	-	-	-	-	-	-	11.11	15.25	16.18	20.62	24.86	29.00	33.10	37.15	42.15	46.80	63.09	49		
-	-	-	-	-	-	-	-	11.21	15.37	16.30	20.74	24.99	29.14	33.23	37.29	42.29	46.94	63.24	50		

NOTE: Shortest Center Distance shown for each sprocket combination may not accommodate installation allowance.



# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



## RPP<sup>®</sup> PANTHER<sup>®</sup> DRIVE SELECTION DATA

### DRIVE SELECTION TABLES FOR 14M BELTS

Line No.	Ratio	Sprocket Combination				Driven Speed and Horsepower											
						HP per Belt Width					HP per Belt Width						
		Driver		Driven		Driven RPM	1750 RPM Driver					Driven RPM	1160 RPM Driver				
		No. Teeth	Pitch Dia.	No. Teeth	Pitch Dia.		20	42	65	90	120		20	42	65	90	120
Multiply HP Ratings by BELT LENGTH FACTOR →																	
1	1.00	80	14.036	80	14.036	1750	122.79	258.00	399.37	553.02	737.40	1160	91.60	192.46	297.91	412.52	550.06
2	1.00	72	12.632	72	12.632	1750	110.75	232.71	360.21	498.80	665.10	1160	81.90	172.09	266.37	368.86	491.84
3	1.00	68	11.930	68	11.930	1750	104.60	219.78	340.19	471.08	628.14	1160	77.04	161.88	250.57	346.98	462.66
4	1.00	64	11.229	64	11.229	1750	98.37	206.69	319.94	443.03	590.75	1160	72.19	151.67	234.78	325.10	433.49
5	1.00	60	10.527	60	10.527	1750	92.08	193.46	299.46	414.68	552.94	1160	67.33	141.47	218.98	303.23	404.32
6	1.00	56	9.825	56	9.825	1750	85.72	180.12	278.80	386.07	514.79	1160	62.48	131.28	203.20	281.38	375.20
7	1.00	52	9.123	52	9.123	1750	79.33	166.69	258.01	357.28	476.40	1160	57.64	121.12	187.47	259.60	346.15
8	1.00	48	8.421	48	8.421	1750	72.90	153.18	237.10	328.32	437.78	1160	52.82	110.98	171.79	237.88	317.19
9	1.00	44	7.720	44	7.720	1750	66.45	139.63	216.13	299.28	399.06	1160	48.02	100.90	156.19	216.28	288.38
10	1.00	40	7.018	40	7.018	1750	59.99	126.05	195.12	270.19	360.27	1160	43.25	90.87	140.66	194.78	259.72
11	1.00	38	6.667	38	6.667	1750	56.77	119.27	184.62	255.65	340.89	1160	40.88	85.89	132.95	184.10	245.48
12	1.00	36	6.316	36	6.316	1750	53.54	112.50	174.14	241.13	321.53	1160	38.52	80.93	125.26	173.46	231.29
13	1.00	34	5.965	34	5.965	1750	50.32	105.74	163.67	226.63	302.19	1160	36.16	75.98	117.61	162.86	217.16
14	1.00	32	5.614	32	5.614	1750	47.11	98.98	153.21	212.15	282.88	1160	33.82	71.06	109.99	152.31	203.09
15	1.00	30	5.263	30	5.263	1750	43.90	82.25	142.79	197.73	263.65	1160	31.49	66.17	102.42	141.82	189.11
16	1.00	29	5.088	29	5.088	1750	42.31	88.89	137.59	190.52	254.05	1160	30.33	63.73	98.65	136.60	182.14
17	1.00	28	4.912	28	4.912	1750	40.71	85.54	132.41	183.35	244.48	1160	29.18	61.31	94.89	131.40	175.21
18	1.03	29	5.088	30	5.263	1692	42.31	88.89	137.59	190.52	254.05	1121	30.33	63.73	98.65	136.60	182.14
19	1.04	28	4.912	29	5.088	1690	40.71	85.54	132.41	183.35	244.48	1120	29.18	61.31	94.89	131.40	175.21
20	1.05	38	6.667	40	7.018	1663	56.77	119.27	284.62	255.65	340.89	1102	40.88	85.89	132.95	184.10	245.48
21	1.06	36	6.316	38	6.667	1658	53.54	112.50	174.14	241.13	321.53	1099	38.52	80.93	125.26	173.46	231.29
22	1.06	38	11.930	72	12.632	1653	104.60	219.78	340.19	471.08	628.14	1096	77.04	161.88	250.57	346.98	462.66
23	1.06	34	5.965	36	6.316	1653	50.32	105.74	163.67	226.63	302.19	1096	36.16	75.98	117.61	162.86	217.16
24	1.06	64	11.229	68	11.930	1647	98.37	206.69	319.94	443.03	590.75	1092	72.19	151.67	234.78	325.10	433.49
25	1.06	32	5.614	34	5.965	1647	47.11	98.98	153.21	212.15	282.88	1092	33.82	71.06	109.99	152.31	203.09
26	1.07	60	10.527	64	11.229	1641	92.08	193.46	299.46	414.68	552.94	1088	67.33	141.47	218.98	303.23	404.32
27	1.07	30	5.263	32	5.614	1641	43.90	82.25	142.79	197.73	263.65	1088	31.49	66.17	102.42	141.82	189.11
28	1.07	56	9.825	60	10.527	1633	85.72	180.12	278.80	386.07	514.79	1083	62.48	131.28	203.20	281.38	375.20
29	1.07	28	4.912	30	5.263	1633	40.71	85.54	132.41	183.35	244.48	1083	29.18	61.31	94.89	131.40	175.21
30	1.08	52	9.123	56	9.825	1625	79.33	166.69	258.01	357.28	476.40	1077	57.64	121.12	187.47	259.60	346.15
31	1.08	48	8.421	52	9.123	1615	72.90	153.18	237.10	328.32	437.78	1071	52.82	110.98	171.79	237.88	317.19
32	1.09	44	7.720	48	8.421	1604	66.45	139.63	216.13	299.28	399.06	1063	48.02	100.90	156.19	216.28	288.38
33	1.10	40	7.018	44	7.720	1591	59.99	126.05	195.12	270.19	360.27	1055	43.25	90.87	140.66	194.78	259.72
34	1.10	29	5.088	32	5.614	1586	42.31	88.89	137.59	190.52	254.05	1051	30.33	63.73	98.65	136.60	182.14
35	1.11	72	12.632	80	14.036	1575	110.75	232.71	360.21	498.80	665.10	1044	81.90	172.09	266.37	368.86	491.84
36	1.11	36	6.316	40	7.018	1575	53.54	112.50	174.14	241.13	321.53	1044	38.52	80.93	125.26	173.46	231.29
37	1.12	34	5.965	38	6.667	1556	50.32	105.74	163.67	226.63	302.19	1038	36.16	75.98	117.61	162.86	217.16
38	1.13	64	11.229	72	12.632	1556	98.37	206.69	319.94	443.03	590.75	1031	72.19	151.67	234.78	325.10	433.49
39	1.13	32	5.614	36	6.316	1556	47.11	98.98	153.21	212.15	282.88	1031	33.82	71.06	109.99	152.31	203.09
40	1.13	80	14.036	90	15.790	1556	122.79	258.00	399.37	553.02	737.40	1031	91.60	192.46	297.91	412.52	550.06
41	1.13	60	10.527	68	11.930	1544	92.08	193.46	299.46	414.68	552.94	1024	67.33	141.47	218.98	303.23	404.32
42	1.13	30	5.263	34	5.965	1544	43.90	82.25	142.79	197.73	263.65	1024	31.49	66.17	102.42	141.82	189.11
43	1.14	56	9.825	64	11.229	1531	85.72	180.12	278.80	386.07	514.79	1015	62.48	131.28	203.20	281.38	375.20
44	1.14	28	4.912	32	5.614	1531	40.71	85.54	132.41	183.35	244.48	1015	29.18	61.31	94.89	131.40	175.21
45	1.15	52	9.123	60	10.527	1517	79.33	166.69	258.01	357.28	476.40	1005	57.64	121.12	187.47	259.60	346.15
46	1.16	38	6.667	44	7.720	1511	56.77	119.27	184.62	255.65	340.89	1002	40.88	85.89	132.95	184.10	245.48
47	1.17	48	8.421	56	9.825	1500	72.90	153.18	237.10	328.32	437.78	994	52.82	110.98	171.79	237.88	317.19
48	1.17	29	5.088	34	5.965	1493	42.31	88.89	137.59	190.52	254.05	989	30.33	63.73	98.65	136.60	182.14
49	1.18	68	11.930	80	14.036	1488	104.60	219.78	340.19	471.08	628.14	986	77.04	161.88	250.57	346.98	462.66
50	1.18	34	5.965	40	7.018	1488	50.32	105.74	163.67	226.63	302.19	986	36.16	75.98	117.61	162.86	217.16
51	1.18	44	7.720	52	9.123	1481	66.45	139.63	216.13	299.28	399.06	982	48.02	100.90	156.19	216.28	288.38

NOTE: Shortest Center Distance shown for each sprocket combination may not accommodate installation allowance.





**PANTHER<sup>®</sup> SYNCHRONOUS DRIVES**



**RPP<sup>®</sup> PANTHER<sup>®</sup> DRIVE SELECTION DATA**

**DRIVE SELECTION TABLES FOR 14M BELTS**

Theoretical Center Distances in Inches for Various Belt Lengths

966	1190	1400	1610	1778	1890	2100	2310	2450	2590	2800	3150	3360	3500	3850	4326	4578	4956	
.80		.90		.95		1.00		1.05		1.10		1.15		1.20		1.25		
-	-	-	-	-	15.16	19.29	23.43	26.18	28.94	33.07	39.96	44.09	46.85	53.74	63.11	68.07	75.51	1
-	-	-	-	15.16	17.36	21.50	25.63	28.38	31.14	35.28	42.17	46.30	49.06	55.94	65.31	70.28	77.72	2
-	-	-	12.95	16.26	18.46	22.60	26.73	29.49	32.24	36.38	43.27	47.40	50.16	57.05	66.42	71.38	78.82	3
-	-	-	14.06	17.36	19.57	23.70	27.83	30.59	33.35	37.48	44.37	48.50	51.26	58.15	67.52	72.48	79.92	4
-	-	11.02	15.16	18.46	20.67	24.80	28.94	31.69	34.45	38.58	45.47	49.61	52.36	59.25	68.62	73.58	81.02	5
-	-	12.13	16.26	19.57	21.77	25.91	30.04	32.80	35.55	39.69	46.57	50.71	53.46	60.35	69.72	74.69	82.13	6
-	-	13.23	17.36	20.67	22.87	27.01	31.14	33.90	36.65	40.79	47.68	51.81	54.57	61.46	70.83	75.79	83.23	7
-	10.20	14.33	18.46	21.77	23.98	28.11	32.24	35.00	37.76	41.89	48.78	52.91	55.67	62.56	71.93	76.89	84.33	8
-	11.30	15.43	19.57	22.87	25.08	29.21	33.35	36.10	38.86	42.99	9.88	54.02	56.77	63.66	73.03	77.99	85.43	9
7.99	12.40	16.54	20.67	23.98	26.18	30.31	34.45	37.20	39.96	44.09	50.98	55.12	57.87	64.76	74.13	79.09	86.54	10
8.54	12.95	17.09	21.22	24.53	26.73	30.87	35.00	37.76	40.51	44.65	51.54	55.67	58.43	65.31	74.69	79.65	87.09	11
9.09	13.50	17.64	21.77	25.08	27.28	31.42	35.55	38.31	41.06	45.20	52.09	56.22	58.98	65.87	75.24	80.20	87.64	12
9.65	14.06	18.19	22.32	25.63	27.83	31.97	36.10	38.86	41.61	45.75	52.64	56.77	59.53	66.42	75.79	80.75	88.19	13
10.20	14.61	18.74	22.87	26.18	28.39	32.52	36.65	39.41	42.17	46.30	53.19	57.32	60.08	66.97	76.34	81.30	88.74	14
10.75	15.16	19.29	23.43	26.73	28.94	33.07	37.20	39.96	42.72	46.85	53.74	57.87	60.63	67.52	76.89	81.85	89.29	15
11.02	15.43	19.57	23.70	27.01	29.21	33.35	37.48	40.24	42.99	47.13	54.02	58.15	60.91	67.80	77.17	82.13	89.57	16
11.30	15.71	19.84	23.98	27.28	29.49	33.62	37.76	40.51	43.27	47.40	54.29	58.43	61.18	68.07	77.44	82.40	89.84	17
10.89	15.30	19.43	23.56	26.87	29.07	33.21	37.34	40.10	42.85	46.99	53.88	58.01	60.77	67.66	77.03	81.99	89.43	18
11.16	15.57	19.70	23.84	27.15	29.35	33.48	37.62	40.37	43.13	47.26	54.15	58.29	61.04	67.93	77.30	82.26	89.70	19
8.27	12.68	16.81	20.94	24.25	26.46	30.59	34.72	37.48	40.24	44.37	51.26	55.39	58.15	65.04	74.41	79.37	86.81	20
8.82	13.23	17.36	21.50	24.80	27.01	31.14	35.28	38.03	40.79	44.92	51.81	55.94	58.70	65.59	74.96	79.92	87.36	21
-	-	-	12.40	15.70	17.91	22.04	26.18	28.93	31.69	35.83	42.72	46.85	49.61	56.49	65.87	70.83	78.27	22
9.37	13.78	17.91	22.05	25.35	27.56	31.69	35.83	38.58	41.34	45.47	52.36	56.50	59.25	66.14	75.51	80.47	87.91	23
-	-	-	13.50	16.81	19.01	23.15	27.28	30.04	32.79	36.93	43.82	47.95	50.71	57.60	66.97	71.93	79.37	24
9.92	14.33	18.46	22.60	25.90	28.11	32.24	36.38	39.13	41.89	46.02	52.91	57.05	59.80	66.69	76.06	81.02	88.46	25
-	-	-	14.60	17.91	20.10	24.25	28.38	31.14	33.90	38.03	44.92	49.05	51.81	58.70	68.07	73.03	80.47	26
10.47	14.88	19.01	23.15	26.46	28.66	32.79	36.93	39.68	42.44	46.57	53.46	57.60	60.35	67.24	76.61	81.57	89.02	27
-	-	11.57	15.70	19.01	21.22	25.35	29.49	32.24	35.00	39.13	46.02	50.16	52.91	59.80	69.17	74.13	81.57	28
11.02	15.43	19.57	23.70	27.01	29.21	33.35	37.48	40.24	42.99	47.13	54.02	58.15	60.91	67.80	77.17	82.13	89.57	29
-	-	12.67	16.81	20.12	22.32	26.45	30.59	33.34	36.10	40.23	47.12	51.26	54.01	60.90	70.27	75.24	82.68	30
-	9.64	13.78	17.91	21.22	23.42	27.56	31.69	34.45	37.20	41.34	48.23	52.36	55.12	62.01	71.38	76.34	83.78	31
-	10.74	14.88	19.01	22.32	24.53	28.66	32.79	35.55	38.31	42.44	49.33	53.46	56.22	63.11	72.48	77.44	84.88	32
7.43	11.85	15.98	20.12	23.42	25.63	29.76	33.90	36.65	39.41	43.54	50.43	54.57	57.32	64.21	73.58	78.54	85.98	33
10.61	15.02	19.15	23.29	26.59	28.80	32.93	37.07	39.82	42.58	46.71	53.60	57.74	60.49	67.38	76.75	81.71	89.15	34
-	-	-	-	14.04	16.24	20.38	24.52	27.27	30.03	34.17	41.06	45.19	47.95	54.84	64.21	69.17	76.61	35
8.54	12.95	17.08	21.22	24.53	26.73	30.86	35.00	37.75	40.51	44.64	51.53	55.67	58.42	65.31	74.68	79.64	87.09	36
9.09	13.50	17.63	21.77	25.08	27.28	31.42	35.55	38.31	41.06	45.20	52.09	56.22	58.98	65.87	75.24	80.20	87.64	37
-	-	-	12.93	16.24	18.45	22.59	26.72	29.48	32.24	36.37	43.26	47.40	50.15	57.04	66.41	71.37	78.82	38
9.64	14.05	18.19	22.32	25.63	27.83	31.97	36.10	38.86	41.61	45.75	52.64	56.77	59.53	66.42	75.79	80.75	88.19	39
-	-	-	-	-	-	17.89	22.03	24.79	27.55	31.68	38.57	42.71	45.46	52.35	61.73	66.69	74.13	40
-	-	-	14.04	17.35	19.55	23.69	27.83	30.58	33.34	37.47	44.36	48.50	51.26	58.15	67.52	72.48	79.92	41
10.19	14.60	18.74	22.87	26.18	28.38	32.52	36.65	39.41	42.16	46.30	53.19	57.32	60.08	66.97	76.34	81.30	88.74	42
-	-	11.00	15.14	18.45	20.66	24.79	28.93	31.69	34.44	38.58	45.47	49.60	52.36	59.25	68.62	73.58	81.02	43
10.74	15.15	19.29	23.42	26.73	28.93	33.07	37.20	39.96	42.72	46.85	53.74	57.87	60.63	67.52	76.89	81.85	89.29	44
-	-	12.11	16.24	19.55	21.76	25.90	30.03	32.79	35.54	39.68	46.57	50.70	53.46	60.35	69.72	74.68	82.12	45
7.70	12.11	16.25	20.39	23.69	25.90	30.03	34.17	36.93	39.68	43.82	50.71	54.84	57.60	64.49	73.86	78.82	86.26	46
-	-	13.21	17.35	20.66	22.86	27.00	31.13	33.89	36.65	40.78	47.67	51.81	54.56	61.45	70.82	75.78	83.23	47
10.33	14.74	18.87	23.01	26.32	28.52	32.65	36.79	39.54	42.30	46.43	53.32	57.46	60.21	67.10	76.48	81.44	88.88	48
-	-	-	-	14.57	16.78	20.92	25.06	27.81	30.57	34.71	41.60	45.74	48.49	55.38	64.76	69.72	77.16	49
8.80	13.22	17.35	21.49	24.80	27.00	31.14	35.27	38.03	40.78	44.92	51.81	55.94	58.70	65.59	74.96	79.92	87.36	50
-	10.17	14.31	18.45	21.76	23.97	28.10	32.24	34.99	37.75	41.88	48.77	52.91	55.66	62.56	71.93	76.89	84.33	51

NOTE: Shortest Center Distance shown for each sprocket combination may not accommodate installation allowance.



# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



## RPP<sup>®</sup> PANTHER<sup>®</sup> DRIVE SELECTION DATA

### DRIVE SELECTION TABLES FOR 14M BELTS

Line No.	Ratio	Sprocket Combination				Driven Speed and Horsepower											
		Driver		Driven		Driven RPM	HP per Belt Width					Driven RPM	HP per Belt Width				
		No. Teeth	Pitch Dia.	No. Teeth	Pitch Dia.		1750 RPM Driver						1160 RPM Driver				
							20	42	65	90	120		20	42	65	90	120
Multiply HP Ratings by BELT LENGTH FACTOR →																	
1	1.19	32	5.614	38	6.667	1474	47.11	98.98	153.21	212.15	282.88	977	33.82	71.06	109.99	152.31	203.09
2	1.20	60	10.527	72	12.632	1458	92.08	193.46	299.46	414.68	552.94	967	67.33	141.47	218.98	303.23	404.32
3	1.20	40	7.018	48	8.421	1458	59.99	126.05	195.12	270.19	360.27	967	43.25	90.87	140.66	194.78	259.72
4	1.20	30	5.263	36	6.316	1458	43.90	92.25	142.79	197.73	263.65	967	31.49	66.17	102.42	141.82	189.11
5	1.21	56	9.825	68	11.930	1441	85.72	180.12	278.80	386.07	514.79	955	62.48	131.28	203.20	281.38	375.20
6	1.21	28	4.912	34	5.965	1441	40.71	85.54	132.41	183.35	244.48	955	29.18	61.31	94.89	131.40	175.21
7	1.22	36	6.316	44	7.720	1432	53.54	112.50	174.14	241.13	321.53	949	38.52	80.93	125.26	173.46	231.29
8	1.23	52	9.123	64	11.229	1422	79.33	166.69	258.01	357.28	476.40	943	57.64	121.12	187.47	259.60	346.15
9	1.24	29	5.088	36	6.316	1410	42.31	88.89	137.59	190.52	254.05	934	30.33	63.73	98.65	136.60	182.14
10	1.25	72	12.632	90	15.790	1400	110.75	232.71	360.21	498.80	665.10	928	81.90	172.09	266.37	368.86	491.84
11	1.25	64	11.229	80	14.036	1400	98.37	206.69	319.94	443.03	590.75	928	72.19	151.67	234.78	325.10	433.49
12	1.25	48	8.421	60	10.527	1400	72.90	153.18	237.10	328.32	437.78	928	52.82	110.98	171.79	237.88	317.19
13	1.25	32	5.614	40	7.018	1400	47.11	98.98	153.21	212.15	282.88	928	33.82	71.06	109.99	152.31	203.09
14	1.26	38	6.667	48	8.421	1385	56.77	119.27	184.62	255.65	340.89	918	40.88	85.89	132.95	184.10	245.48
15	1.27	30	5.263	38	6.667	1382	43.90	92.25	142.79	197.73	263.65	916	31.49	66.17	102.42	141.82	189.11
16	1.27	44	7.720	56	9.825	1375	66.45	139.63	216.13	299.28	399.06	911	48.02	100.90	156.19	216.28	288.38
17	1.29	56	9.825	72	12.632	1361	85.72	180.12	278.80	386.07	514.79	902	62.48	131.28	203.20	281.38	375.20
18	1.29	28	4.912	36	6.316	1361	40.71	85.54	132.41	183.35	244.48	902	29.18	61.31	94.89	131.40	175.21
19	1.29	34	5.965	44	7.720	1352	50.32	105.74	163.67	226.63	302.19	896	36.16	75.98	117.61	162.86	217.16
20	1.30	40	7.018	52	9.123	1346	59.99	126.05	195.12	270.19	360.27	892	43.25	90.87	140.66	194.78	259.72
21	1.31	52	9.123	68	11.930	1338	79.33	166.69	258.01	357.28	476.40	887	57.64	121.12	187.47	259.60	346.15
22	1.31	29	5.088	38	6.667	1336	42.31	88.89	137.59	190.52	254.05	885	30.33	63.73	98.65	136.60	182.14
23	1.32	68	11.930	90	15.790	1322	104.60	219.78	340.19	471.08	628.14	876	77.04	161.88	250.57	346.98	462.66
24	1.33	60	10.527	80	14.036	1313	92.08	193.46	299.46	414.68	552.94	870	67.33	141.47	218.98	303.23	404.32
25	1.33	48	8.421	64	11.229	1313	72.90	153.18	237.10	328.32	437.78	870	52.82	110.98	171.79	237.88	317.19
26	1.33	36	6.316	48	8.421	1313	53.54	112.50	174.14	241.13	321.53	870	38.52	80.93	125.26	173.46	231.29
27	1.33	30	5.263	40	7.018	1313	43.90	92.25	142.79	197.73	263.65	870	31.49	66.17	102.42	141.82	189.11
28	1.36	28	4.912	38	6.667	1289	40.71	85.54	132.41	183.35	244.48	855	29.18	61.31	94.89	131.40	175.21
29	1.36	44	7.720	60	10.527	1283	66.45	139.63	216.13	299.28	399.06	851	48.02	100.90	156.19	216.28	288.38
30	1.37	38	6.667	52	9.123	1279	56.77	119.27	184.62	255.65	340.89	848	40.88	85.89	132.95	184.10	245.48
31	1.38	32	5.614	44	7.720	1273	47.11	98.98	153.21	212.15	282.88	844	33.82	71.06	109.99	152.31	203.09
32	1.38	29	5.088	40	7.018	1269	42.31	88.89	137.59	190.52	254.05	841	30.33	63.73	98.65	136.60	182.14
33	1.38	52	9.123	72	12.632	1264	79.33	166.69	258.01	357.28	476.40	838	57.64	121.12	187.47	259.60	346.15
34	1.40	80	14.036	112	19.650	1250	122.79	258.00	399.37	553.02	737.40	829	91.60	192.46	297.91	412.52	550.06
35	1.40	40	7.018	56	9.825	1250	59.99	126.05	195.12	270.19	360.27	829	43.25	90.87	140.66	194.78	259.72
36	1.41	64	11.229	90	15.790	1244	98.37	206.69	319.94	443.03	590.75	825	72.19	151.67	234.78	325.10	433.49
37	1.41	34	5.965	48	8.421	1240	50.32	105.74	163.67	226.63	302.19	822	36.16	75.98	117.61	162.86	217.16
38	1.42	48	8.421	68	11.930	1235	72.90	153.18	237.10	328.32	437.78	819	52.82	110.98	171.79	237.88	317.19
39	1.43	56	9.825	80	14.036	1225	85.72	180.12	278.80	386.07	514.79	812	62.48	131.28	203.20	281.38	375.20
40	1.43	28	4.912	40	7.018	1225	40.71	85.54	132.41	183.35	244.48	812	29.18	61.31	94.89	131.40	175.21
41	1.44	36	6.316	52	9.123	1212	53.54	112.50	174.14	241.13	321.53	803	38.52	80.93	125.26	173.46	231.29
42	1.45	44	7.720	64	11.229	1203	66.45	139.63	216.13	299.28	399.06	798	48.02	100.90	156.19	216.28	288.38
43	1.47	30	5.263	44	7.720	1193	43.90	92.25	142.79	197.73	263.65	791	31.49	66.17	102.42	141.82	189.11
44	1.47	38	6.667	56	9.825	1188	56.77	119.27	184.62	255.65	340.89	787	40.88	85.89	132.95	184.10	245.48
45	1.50	60	10.527	90	15.790	1167	92.08	193.46	299.46	414.68	552.94	773	67.33	141.47	218.98	303.23	404.32
46	1.50	48	8.421	72	12.632	1167	72.90	153.18	237.10	328.32	437.78	773	52.82	110.98	171.79	237.88	317.19
47	1.50	40	7.018	60	10.527	1167	59.99	126.05	195.12	270.19	360.27	773	43.25	90.87	140.66	194.78	259.72
48	1.50	32	5.614	48	8.421	1167	47.11	98.98	153.21	212.15	282.88	773	33.82	71.06	109.99	152.31	203.09
49	1.52	29	5.088	44	7.720	1153	42.31	88.89	137.59	190.52	254.05	765	30.33	63.73	98.65	136.60	182.14
50	1.53	34	5.965	52	9.123	1144	50.32	105.74	163.67	226.63	302.19	758	36.16	75.98	117.61	162.86	217.16
51	1.54	52	9.123	80	14.036	1138	79.33	166.69	258.01	357.28	476.40	754	57.64	121.12	187.47	259.60	346.15

NOTE: Shortest Center Distance shown for each sprocket combination may not accommodate installation allowance.



# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



## RPP<sup>®</sup> PANTHER<sup>®</sup> DRIVE SELECTION DATA

### DRIVE SELECTION TABLES FOR 14M BELTS

Theoretical Center Distances in Inches for Various Belt Lengths																		
966	1190	1400	1610	1778	1890	2100	2310	2450	2590	2800	3150	3360	3500	3850	4326	4578	4956	
.80		.90		.95		1.00		1.05		1.10		1.15		1.20		1.25		
9.36	13.77	17.91	22.04	25.35	27.55	31.69	35.82	38.58	41.34	45.47	52.36	56.49	59.25	66.14	75.51	80.47	87.91	1
-	-	-	13.46	16.78	18.99	23.13	27.26	30.02	32.78	36.91	43.81	47.94	50.70	57.59	66.96	71.92	79.36	2
-	11.28	15.42	19.55	22.86	25.07	29.20	33.34	36.10	38.85	42.99	49.88	54.01	56.77	63.66	73.03	77.99	85.43	3
9.91	14.32	18.46	22.59	25.90	28.11	32.24	36.37	39.13	41.89	46.02	52.91	57.04	59.80	66.69	76.06	81.02	88.46	4
-	-	-	14.57	17.88	20.09	24.23	28.37	31.12	33.88	38.02	44.91	49.04	51.80	58.59	68.06	73.02	80.47	5
10.46	14.87	19.01	23.14	26.45	28.66	32.79	36.93	39.68	42.44	46.57	53.46	57.60	60.35	67.24	76.61	81.57	89.01	6
7.96	12.38	16.52	20.66	23.97	26.17	30.31	34.44	37.20	39.95	44.09	50.98	55.11	57.87	64.76	74.13	79.09	86.53	7
-	-	11.53	15.67	18.99	21.19	25.33	29.47	32.23	34.98	39.12	46.01	50.15	52.90	59.79	69.17	74.13	81.57	8
10.04	14.46	18.59	22.73	26.04	28.24	32.38	36.51	39.27	42.02	46.16	53.05	57.18	59.94	66.83	76.20	81.16	88.60	9
-	-	-	-	-	14.80	18.95	23.10	25.86	28.62	32.76	39.65	43.79	46.55	53.44	62.81	67.78	75.22	10
-	-	-	-	15.09	17.31	21.45	25.59	28.35	31.11	35.25	42.14	46.28	49.04	55.93	65.30	70.26	77.70	11
-	-	12.63	16.78	20.09	22.30	26.44	30.57	33.33	36.09	40.22	47.11	51.25	54.01	60.90	70.27	75.23	82.67	12
9.07	13.49	17.62	21.76	25.07	27.27	31.41	35.54	38.30	41.06	45.19	52.08	56.22	58.97	65.86	75.23	80.19	87.63	13
-	11.54	15.68	19.82	23.13	25.34	29.48	33.61	36.37	39.12	43.26	50.15	54.28	57.04	63.93	73.30	78.26	85.70	14
9.62	14.04	18.18	22.31	25.62	27.83	31.96	36.10	38.85	41.61	45.74	52.63	56.77	59.52	66.41	75.78	80.74	88.19	15
-	9.59	13.74	17.88	21.19	23.40	27.54	31.68	34.43	37.19	41.33	48.22	52.35	55.11	62.00	71.37	76.33	83.77	16
-	-	-	13.98	17.31	19.52	23.66	27.80	30.56	33.32	37.45	44.35	48.48	51.24	58.13	67.51	72.47	79.91	17
10.17	14.59	18.73	22.86	26.17	28.38	32.51	36.65	39.40	42.16	46.29	53.18	57.32	60.07	66.96	76.34	81.30	88.74	18
8.22	12.65	16.79	20.93	24.24	26.44	30.58	34.71	37.47	40.23	44.36	51.25	55.39	58.14	65.03	74.40	79.37	86.81	19
-	10.70	14.84	18.99	22.30	24.50	28.64	32.78	35.54	38.29	42.43	49.32	53.45	56.21	63.10	72.47	77.43	84.88	20
-	-	10.93	15.09	18.41	20.62	24.76	28.90	31.66	34.42	38.56	45.45	49.59	52.34	59.24	68.61	73.57	81.01	21
9.75	14.17	18.31	22.45	25.76	27.96	32.10	36.23	38.99	41.74	45.88	52.77	56.90	59.66	66.55	75.92	80.88	88.32	22
-	-	-	-	-	15.31	19.47	23.62	26.39	29.15	33.29	40.19	44.33	47.09	53.98	63.36	68.32	75.76	23
-	-	-	-	15.61	17.83	21.98	26.12	28.88	31.64	35.78	42.68	46.82	49.58	56.47	65.84	70.81	78.25	24
-	-	12.04	16.20	19.52	21.73	25.87	30.01	32.77	35.52	39.66	46.55	50.69	53.45	60.34	69.71	74.67	82.11	25
-	11.80	15.95	20.09	23.40	25.61	29.75	33.88	36.64	39.40	43.53	50.42	54.56	57.31	64.20	73.58	78.54	85.98	26
9.33	13.75	17.89	22.03	25.34	27.55	31.68	35.82	38.57	41.33	45.46	52.35	56.49	59.25	66.14	75.51	80.47	87.91	27
9.88	14.30	18.44	22.58	25.89	28.10	32.23	36.37	39.12	41.88	46.02	52.91	57.04	59.80	66.69	76.06	81.02	88.46	28
-	-	13.15	17.31	20.62	22.83	26.97	31.11	33.87	36.63	40.76	47.66	51.79	54.55	61.44	70.81	75.77	83.22	29
-	10.95	15.11	19.25	22.56	24.77	28.91	33.05	35.81	38.56	42.70	49.59	53.73	56.48	63.37	72.75	77.71	85.15	30
8.48	12.91	17.05	21.19	24.50	26.71	30.85	34.98	37.74	40.50	44.63	51.52	55.66	58.42	65.31	74.68	79.64	87.08	31
9.46	13.88	18.03	22.16	25.47	27.68	31.82	35.95	38.71	41.47	45.60	52.49	56.63	59.38	66.27	75.64	80.60	88.05	32
-	-	-	14.50	17.83	20.04	24.19	28.33	31.09	33.85	37.99	44.89	49.02	51.78	58.67	68.05	73.01	80.45	33
-	-	-	-	-	-	-	18.81	21.59	24.37	28.52	35.41	39.55	42.30	49.19	58.56	63.52	70.96	34
-	10.10	14.26	18.41	21.73	23.94	28.08	32.21	34.97	37.73	41.87	48.76	52.89	55.65	62.54	71.92	76.88	84.32	35
-	-	-	-	13.59	15.82	19.99	24.14	26.91	29.68	33.82	40.72	44.86	47.62	54.52	63.90	68.86	76.30	36
7.62	12.06	16.21	20.36	23.67	25.88	30.01	34.15	36.91	39.67	43.80	50.69	54.83	57.59	64.48	73.85	78.81	86.25	37
-	-	11.44	15.61	18.93	21.15	25.29	29.44	32.20	34.96	39.09	45.99	50.13	52.88	59.78	69.15	74.11	81.56	38
-	-	-	12.78	16.12	18.34	22.50	26.65	29.41	32.18	36.32	43.22	47.35	50.11	57.01	66.38	71.35	78.79	39
9.59	14.02	18.16	22.30	25.61	27.81	31.95	36.09	38.84	41.60	45.74	52.63	56.76	59.52	66.41	75.78	80.74	88.18	40
-	11.21	15.37	19.52	22.83	25.04	29.18	33.32	36.08	38.83	42.97	49.86	54.00	56.75	63.65	73.02	77.98	85.42	41
-	-	12.55	16.72	20.04	22.25	26.40	30.54	33.30	36.06	40.20	47.09	51.23	53.99	60.88	70.25	75.22	82.66	42
8.73	13.17	17.32	21.46	24.77	26.98	31.12	35.25	38.01	40.77	44.90	51.80	55.93	58.69	65.58	74.95	79.91	87.35	43
-	10.35	14.52	18.67	21.99	24.20	28.34	32.48	35.24	38.00	42.14	49.03	53.17	55.92	62.81	72.19	77.15	84.59	44
-	-	-	-	14.08	16.32	20.50	24.66	27.43	30.20	34.35	41.25	45.40	48.16	55.06	64.43	69.40	76.84	45
-	-	10.82	15.01	18.34	20.56	24.71	28.86	31.62	34.38	38.53	45.42	49.56	52.32	59.21	68.59	73.55	81.00	46
-	9.48	13.67	17.83	21.15	23.36	27.50	31.64	34.40	37.16	41.30	48.20	52.33	55.09	61.98	71.36	76.32	83.76	47
7.87	12.32	16.48	20.62	23.94	26.14	30.28	34.42	37.18	39.94	44.07	50.96	55.10	57.86	64.75	74.12	79.08	86.52	48
8.86	13.30	17.45	21.59	24.91	27.11	31.25	35.39	38.15	40.90	45.04	51.93	56.07	58.82	65.72	75.09	80.05	87.49	49
-	11.47	15.63	19.78	23.10	25.31	29.45	33.58	36.34	39.10	43.24	50.13	54.27	57.03	63.92	73.29	78.25	85.69	50
-	-	-	13.28	16.63	18.86	23.02	27.17	29.94	32.70	36.85	43.75	47.89	50.65	57.55	66.92	71.89	79.33	51

NOTE: Shortest Center Distance shown for each sprocket combination may not accommodate installation allowance.



# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



## RPP<sup>®</sup> PANTHER<sup>®</sup> DRIVE SELECTION DATA

### DRIVE SELECTION TABLES FOR 14M BELTS

Line No.	Ratio	Sprocket Combination				Driven Speed and Horsepower											
		Driver		Driven		Driven RPM	HP per Belt Width					Driven RPM	HP per Belt Width				
		No. Teeth	Pitch Dia.	No. Teeth	Pitch Dia.		1750 RPM Driver						1160 RPM Driver				
							20	42	65	90	120		20	42	65	90	120
Multiply HP Ratings by BELT LENGTH FACTOR →																	
1	1.55	44	7.720	68	11.930	1132	66.45	139.63	216.13	299.28	399.06	751	48302	100.90	156.19	216.28	288.38
2	1.56	72	12.632	112	19.650	1125	110.75	232.71	360.21	498.80	665.10	746	81.90	172.09	266.37	368.86	491.84
3	1.56	36	6.316	56	9.825	1125	53.54	112.50	174.14	241.13	321.53	746	38.52	80.93	125.26	173.46	231.29
4	1.57	28	4.912	44	7.720	1114	40.71	85.54	132.41	183.35	244.48	738	29.18	61.31	94.89	131.40	175.21
5	1.58	38	6.667	60	10.527	1108	56.77	119.27	184.62	255.65	340.89	735	40.88	85.89	132.95	184.10	245.48
6	1.60	40	7.018	64	11.229	1094	59.99	126.05	195.12	270.19	360.27	725	43.25	90.87	140.66	194.78	259.72
7	1.60	30	5.263	48	8.421	1094	43.90	92.25	142.79	197.73	263.65	725	31.49	66.17	102.42	141.82	189.11
8	1.61	56	9.825	90	15.790	1089	85.72	180.12	278.80	386.07	514.79	722	62.48	131.28	203.20	281.38	375.20
9	1.63	32	5.614	52	9.123	1077	47.11	98.98	153.21	212.15	282.88	714	33.82	71.06	109.99	152.31	203.09
10	1.64	44	7.720	72	12.632	1069	66.45	139.63	216.13	299.28	399.06	709	48.02	100.90	156.19	216.28	288.38
11	1.65	68	11.930	112	19.650	1063	104.60	219.78	340.19	471.08	628.14	704	77.04	161.88	250.57	346.98	462.66
12	1.65	34	5.965	56	9.825	1063	50.32	105.74	163.67	226.63	302.19	704	36.16	75.98	117.61	162.86	217.16
13	1.66	29	5.088	48	8.421	1057	42.31	88.89	137.59	190.52	254.05	701	30.33	63.73	98.65	136.60	182.14
14	1.67	48	8.421	80	14.036	1050	72.90	153.18	237.10	328.32	437.78	696	52.82	110.98	171.79	237.88	317.19
15	1.67	36	6.316	60	10.527	1050	53.54	112.50	174.14	241.13	321.53	696	38.52	80.93	125.26	173.46	231.29
16	1.68	38	6.667	64	11.229	1039	56.77	119.27	184.62	255.65	340.89	689	40.88	85.89	132.95	184.10	245.48
17	1.70	40	7.018	68	11.930	1029	59.99	126.05	195.12	270.19	360.27	682	43.25	90.87	140.66	194.78	259.72
18	1.71	28	4.912	48	8.421	1021	40.71	85.54	132.41	183.35	244.48	677	29.18	61.31	94.89	131.40	175.21
19	1.73	52	9.123	90	15.790	1011	79.33	166.69	258.01	357.28	476.40	670	57.64	121.12	187.47	259.60	346.15
20	1.73	30	5.263	52	9.123	1010	43.90	92.25	142.79	197.73	263.65	669	31.49	66.17	102.42	141.82	189.11
21	1.75	64	11.229	112	19.650	1000	98.37	206.69	319.94	443.03	590.75	663	72.19	151.67	234.78	325.10	433.49
22	1.75	32	5.614	56	9.825	1000	47.11	98.98	153.21	212.15	282.88	663	33.82	71.06	109.99	152.31	203.09
23	1.76	34	5.965	60	10.527	992	50.32	105.74	163.67	226.63	302.19	657	36.16	75.98	117.61	162.86	217.16
24	1.78	36	6.316	64	11.229	984	53.54	112.50	174.14	241.13	321.53	653	38.52	80.93	125.26	173.46	231.29
25	1.79	38	6.667	68	11.930	978	56.77	119.27	184.62	255.65	340.89	648	40.88	85.89	132.95	184.10	245.48
26	1.79	29	5.088	52	9.123	976	42.31	88.89	137.59	190.52	254.05	647	30.33	63.73	98.65	136.60	182.14
27	1.80	80	14.036	144	25.264	972	122.79	258.00	399.37	553.02	737.40	644	91.60	192.46	297.91	412.52	550.06
28	1.80	40	7.018	72	12.632	972	59.99	126.05	195.12	270.19	360.27	644	43.25	90.87	140.66	194.78	259.72
29	1.82	44	7.720	80	14.036	963	66.45	139.63	216.13	299.28	399.06	638	48.02	100.90	156.19	216.28	288.38
30	1.86	28	4.912	52	9.123	742	40.71	85.54	132.41	183.35	244.48	625	29.18	61.31	94.89	131.40	175.21
31	1.87	60	10.527	112	19.650	938	92.08	193.46	299.46	414.68	552.94	621	67.33	141.47	218.98	303.23	404.32
32	1.87	30	5.263	56	9.825	938	43.90	92.25	142.79	197.73	263.65	621	31.49	66.17	102.42	141.82	189.11
33	1.88	48	8.421	90	15.790	933	72.90	153.18	237.10	328.32	437.78	619	52.82	110.98	171.79	237.88	317.19
34	1.88	32	5.614	60	10.527	933	47.11	98.98	153.21	212.15	282.88	619	33.82	71.06	109.99	152.31	203.09
35	1.88	34	5.965	64	11.229	930	50.32	105.74	163.67	226.63	302.19	616	36.16	75.98	117.61	162.86	217.16
36	1.89	36	6.316	68	11.930	926	53.54	112.50	174.14	241.13	321.53	614	38.52	80.93	125.26	173.46	231.29
37	1.89	38	6.667	72	12.632	924	56.77	119.27	184.62	255.65	340.89	612	40.88	85.89	132.95	184.10	245.48
38	1.93	29	5.088	56	9.825	906	42.31	88.89	137.59	190.52	254.05	601	30.33	63.73	98.65	136.60	182.14
39	2.00	72	12.632	144	25.264	875	110.75	232.71	360.21	498.80	665.10	580	81.90	172.09	266.37	368.86	491.84
40	2.00	56	9.825	112	19.650	875	85.72	180.12	278.80	386.07	514.79	580	62.48	131.28	203.20	281.38	375.20
41	2.00	40	7.018	80	14.036	875	59.99	126.05	195.12	270.19	360.27	580	43.25	90.87	140.66	194.78	259.72
42	2.00	36	6.316	72	12.632	875	53.54	112.50	174.14	241.13	321.53	580	38.52	80.93	125.26	173.46	231.29
43	2.00	34	5.965	68	11.930	875	50.32	105.74	163.67	226.63	302.19	580	36.16	75.98	117.61	162.86	217.16
44	2.00	32	5.614	64	11.229	875	47.11	98.98	153.21	212.15	282.88	580	33.82	71.06	109.99	152.31	203.09
45	2.00	30	5.263	60	10.527	875	43.90	92.25	142.79	197.73	263.65	580	31.49	66.17	102.42	141.82	189.11
46	2.00	28	4.912	56	9.825	875	40.71	85.54	132.41	183.35	244.48	580	29.18	61.31	94.89	131.40	175.21
47	2.05	44	7.720	90	15.790	856	66.45	139.63	216.13	299.28	399.06	567	48.02	100.90	156.19	216.28	288.38
48	2.07	29	5.088	60	10.527	846	42.31	88.89	137.59	190.52	254.05	561	30.33	63.73	98.65	136.60	182.14
49	2.10	80	14.036	168	29.475	833	122.79	258.00	399.37	553.02	737.40	552	91.60	192.46	297.91	412.52	550.06
50	2.11	38	6.667	80	14.036	831	56.77	119.27	184.62	255.65	340.89	551	40.88	85.89	132.95	184.10	245.48
51	2.12	68	11.930	144	25.264	826	104.60	219.78	340.19	471.08	628.14	548	77.04	161.88	250.57	346.98	462.66

NOTE: Shortest Center Distance shown for each sprocket combination may not accommodate installation allowance.



**PANTHER<sup>®</sup> SYNCHRONOUS DRIVES**



**RPP<sup>®</sup> PANTHER<sup>®</sup> DRIVE SELECTION DATA**

**DRIVE SELECTION TABLES FOR 14M BELTS**

Theoretical Center Distances in Inches for Various Belt Lengths																		Line No.
966	1190	1400	1610	1778	1890	2100	2310	2450	2590	2800	3150	3360	3500	3850	4326	4578	4956	
.80		.90		.95		1.00		1.05		1.10		1.15		1.20		1.25		
-	-	11.94	16.12	19.45	21.67	25.82	29.97	32.73	35.49	39.63	46.53	50.66	53.42	60.32	69.69	74.66	82.10	1
-	-	-	-	-	-	-	19.81	22.60	25.39	29.56	36.48	40.64	43.40	50.31	59.70	64.67	72.12	2
-	10.60	14.78	18.93	22.25	24.46	28.61	32.75	35.51	38.27	42.40	49.30	53.44	56.19	63.09	72.46	77.42	84.86	3
8.98	13.43	17.58	21.73	25.04	27.25	31.39	35.52	38.28	41.04	45.18	52.07	56.20	58.96	65.85	75.22	80.18	87.63	4
-	9.73	13.92	18.09	21.41	23.62	27.77	31.91	34.67	37.43	41.57	48.47	52.60	55.36	62.25	71.63	76.59	84.03	5
-	-	13.06	17.23	20.56	22.78	26.93	31.07	33.83	36.59	40.73	47.63	51.77	54.53	61.42	70.80	75.76	83.20	6
8.11	12.58	16.74	20.89	24.20	26.41	30.55	34.69	37.45	40.21	44.34	51.24	55.37	58.13	65.02	74.39	79.35	86.80	7
-	-	-	-	14.58	16.82	21.01	25.18	27.95	30.72	34.87	41.78	45.93	48.69	55.59	64.97	69.94	77.38	8
-	11.72	15.89	20.04	23.36	25.57	29.71	33.85	36.61	39.37	43.51	50.40	54.54	57.30	64.19	73.56	78.52	85.97	9
-	-	11.31	15.51	18.86	21.08	25.23	29.39	32.15	34.91	39.06	45.96	50.10	52.86	59.75	69.13	74.09	81.54	10
-	-	-	-	-	-	16.07	20.30	23.10	25.89	30.07	37.00	41.16	43.92	50.84	60.23	65.20	72.65	11
-	10.85	15.03	19.19	22.52	24.73	28.87	33.01	35.77	38.53	42.67	49.57	53.71	56.46	63.36	72.73	77.69	85.14	12
8.24	12.71	16.87	21.02	24.33	26.54	30.68	34.82	37.58	40.34	44.48	51.37	55.51	58.26	65.16	74.53	79.49	86.93	13
-	-	-	13.77	17.13	19.36	23.53	27.69	30.46	33.23	37.37	44.28	48.42	51.18	58.08	67.46	72.43	79.87	14
-	9.97	14.17	18.34	21.67	23.88	28.03	32.18	34.94	37.70	41.84	48.73	52.87	55.63	62.52	71.90	76.86	84.30	15
-	9.08	13.31	17.49	20.82	23.04	27.19	31.33	34.10	36.86	41.00	47.90	52.04	54.80	61.69	71.07	76.03	83.47	16
-	-	12.43	16.63	19.97	22.19	26.34	30.49	33.26	36.02	40.16	47.06	51.20	53.96	60.86	70.23	75.20	82.64	17
8.36	12.83	17.00	21.15	24.46	26.67	30.82	34.96	37.72	40.47	44.61	51.51	55.64	58.40	65.29	74.66	79.63	87.07	18
-	-	-	-	15.06	17.32	21.51	25.69	28.47	31.24	35.39	42.31	46.46	49.22	56.12	65.51	70.47	77.92	19
7.47	11.97	16.14	20.30	23.62	25.83	29.98	34.12	36.88	39.64	43.78	50.67	54.81	57.57	64.46	73.83	78.80	86.24	20
-	-	-	-	-	-	16.55	20.79	23.60	26.40	30.58	37.52	41.68	44.45	51.36	60.76	65.73	73.19	21
-	11.10	15.29	19.45	22.78	24.99	29.14	33.28	36.04	38.80	42.94	49.84	53.97	56.73	63.63	73.00	77.96	85.41	22
-	10.22	14.43	18.60	21.93	24.14	28.29	32.44	35.20	37.96	42.10	49.00	53.14	55.90	62.79	72.17	77.13	84.58	23
-	9.32	13.56	17.74	21.08	23.30	27.45	31.60	34.36	37.12	41.27	48.17	52.30	55.06	61.96	71.34	76.30	83.74	24
-	-	12.68	16.88	20.22	22.44	26.60	30.75	33.52	36.28	40.43	47.33	51.47	54.23	61.12	70.50	75.47	82.91	25
7.58	12.10	16.27	20.43	23.75	25.96	30.11	34.25	37.01	39.77	43.91	50.81	54.94	57.70	64.59	73.97	78.93	86.37	26
-	-	-	-	-	-	-	-	-	-	23.58	30.63	34.82	37.61	44.57	54.00	58.98	66.46	27
-	-	11.79	16.01	19.36	21.59	25.75	29.91	32.67	35.44	39.59	46.49	50.63	53.39	60.29	69.67	74.63	82.08	28
-	-	-	14.26	17.63	19.87	24.04	28.21	30.98	33.75	37.90	44.81	48.95	51.71	58.62	68.00	72.96	80.41	29
7.70	12.22	16.40	20.56	23.88	26.10	30.24	34.38	37.15	39.91	44.04	50.94	55.08	57.84	64.73	74.10	79.07	86.51	30
-	-	-	-	-	-	17.02	21.28	24.09	26.90	31.08	38.03	42.19	44.97	51.89	61.29	66.26	73.72	31
-	11.34	15.54	19.71	23.04	25.25	29.40	33.54	36.31	39.07	43.21	50.11	54.24	57.00	63.90	73.27	78.23	85.68	32
-	-	-	12.11	15.55	17.81	22.01	26.20	28.98	31.75	35.91	42.83	46.98	49.75	56.65	66.04	71.01	78.46	33
-	10.46	14.68	18.86	22.19	24.40	28.56	32.70	35.47	38.23	42.37	49.27	53.41	56.17	63.06	72.44	77.40	84.85	34
-	9.56	13.80	18.00	21.33	23.55	27.71	31.86	34.62	37.39	41.53	48.43	52.57	55.33	62.23	71.61	76.57	84.01	35
-	-	12.92	17.13	20.48	22.70	26.86	31.01	33.78	36.55	40.69	47.59	51.73	54.49	61.39	70.77	75.74	83.18	36
-	-	12.03	16.26	19.62	21.84	26.01	30.17	32.94	35.70	39.85	46.76	50.90	53.66	60.56	69.94	74.90	82.35	37
-	11.47	15.67	19.84	23.17	25.38	29.53	33.68	36.44	39.20	43.34	50.24	54.38	57.14	64.03	73.41	78.37	85.81	38
-	-	-	-	-	-	-	-	-	20.23	24.54	31.61	35.82	38.62	45.59	55.03	60.02	67.50	39
-	-	-	-	-	-	17.49	21.77	24.59	27.39	31.59	38.54	42.71	45.48	52.41	61.81	66.79	74.25	40
-	-	-	14.74	18.12	20.37	24.55	28.72	31.50	34.27	38.42	45.34	49.48	52.24	59.15	68.53	73.50	80.95	41
-	-	12.27	16.51	19.87	22.10	26.27	30.43	33.20	35.96	40.11	47.02	51.16	53.92	60.82	70.20	75.17	82.62	42
-	-	13.16	17.38	20.73	22.96	27.12	31.27	34.04	36.81	40.95	47.86	52.00	54.76	61.66	71.04	76.00	83.45	43
-	9.79	14.05	18.25	21.59	23.81	27.97	32.12	34.89	37.65	41.80	48.70	52.84	55.60	62.50	71.87	76.84	84.28	44
-	10.70	14.92	19.11	22.44	24.66	28.82	32.97	35.73	38.49	42.64	49.54	53.68	56.43	63.33	72.71	77.67	85.12	45
-	11.59	15.79	19.97	23.30	25.51	29.66	33.81	36.57	39.33	43.47	50.37	54.51	57.27	64.17	73.54	78.50	85.95	46
-	-	-	12.58	16.02	18.29	22.51	26.70	29.49	32.27	36.43	43.36	47.51	50.27	57.18	66.57	71.54	78.99	47
-	10.82	15.05	19.24	22.57	24.79	28.95	33.10	35.86	38.62	42.77	49.67	53.81	56.57	63.47	72.84	77.81	85.25	48
-	-	-	-	-	-	-	-	-	-	-	26.71	31.00	33.84	40.88	50.39	55.41	62.91	49
-	-	10.66	14.98	18.37	20.61	24.80	28.98	31.75	34.53	38.68	5.60	49.75	52.51	59.41	68.80	73.77	81.22	50
-	-	-	-	-	-	-	-	-	20.69	25.01	32.10	36.32	39.12	46.09	55.54	60.54	68.02	51

NOTE: Shortest Center Distance shown for each sprocket combination may not accommodate installation allowance.



# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



## RPP<sup>®</sup> PANTHER<sup>®</sup> DRIVE SELECTION DATA

### DRIVE SELECTION TABLES FOR 14M BELTS

Line No.	Ratio	Sprocket Combination				Driven Speed and Horsepower											
		Driver		Driven		Driven RPM	HP per Belt Width					Driven RPM	HP per Belt Width				
		No. Teeth	Pitch Dia.	No. Teeth	Pitch Dia.		1750 RPM Driver						1160 RPM Driver				
							20	42	65	90	120		20	42	65	90	120
Multiply HP Ratings by BELT LENGTH FACTOR →																	
1	2.12	34	5.965	72	12.632	826	50.32	105.74	163.67	266.63	302.19	548	36.16	75.98	117.61	162.86	217.16
2	2.13	32	5.614	68	11.930	824	47.11	98.98	153.21	212.15	282.88	546	33.82	71.06	109.99	152.31	203.09
3	2.13	30	5.263	64	11.229	820	43.90	92.25	142.79	197.73	263.65	544	31.49	66.17	102.42	141.82	189.11
4	2.14	28	4.912	60	10.527	817	40.71	85.54	132.41	183.35	244.48	541	29.18	61.31	94.89	131.40	175.21
5	2.15	52	9.123	112	19.650	813	79.33	166.69	258.01	357.28	476.40	4539	57.64	121.12	187.47	259.60	346.15
6	2.21	29	5.088	64	11.229	793	42.31	88.89	137.59	190.52	254.05	526	30.33	63.73	98.65	136.60	182.14
7	2.22	36	6.313	80	14.036	788	53.54	112.50	174.14	241.13	321.53	522	38.52	80.93	125.26	173.46	231.29
8	2.25	34	11.229	144	25.264	778	98.37	206.69	319.94	443.03	590.75	516	72.19	151.67	234.78	325.10	433.49
9	2.25	40	7.018	90	15.790	778	59.99	126.05	195.12	270.19	360.27	516	43.25	90.87	140.66	194.78	259.72
10	2.25	32	5.614	72	12.632	778	47.11	98.98	153.21	212.15	282.88	516	33.82	71.06	109.99	152.31	203.09
11	2.27	30	5.263	68	11.930	772	43.90	82.25	142.79	197.73	263.65	512	31.49	66.17	102.42	141.82	189.11
12	2.29	28	4.912	64	11.229	766	40.71	85.54	132.41	183.35	244.48	508	29.18	61.31	94.89	131.40	175.21
13	2.33	72	12.632	168	29.475	750	110.75	232.71	360.21	498.80	665.10	497	81.90	172.09	266.37	368.86	491.84
14	2.33	48	8.421	112	19.650	750	72.90	153.18	237.10	328.32	437.78	497	52.82	110.98	171.79	237.88	317.19
15	2.34	29	5.088	68	11.930	746	42.31	88.89	137.59	190.52	254.05	495	30.33	63.73	98.65	136.60	182.14
16	2.35	34	5.965	80	14.036	744	50.32	105.74	163.67	226.63	302.19	493	36.16	75.98	117.61	162.86	217.16
17	2.37	38	6.667	90	15.790	739	56.77	119.27	184.62	255.65	340.89	490	40.88	85.89	132.95	184.10	245.48
18	2.40	80	14.036	192	33.686	729	122.79	258.00	399.37	553.02	737.40	483	91.60	192.46	297.91	412.52	550.06
19	2.40	60	10.527	144	25.264	729	92.08	193.46	299.46	414.68	552.94	483	67.33	141.47	218.98	303.23	404.32
20	2.40	30	5.263	72	12.632	729	43.90	82.25	142.79	197.73	263.65	483	31.49	66.17	102.42	141.82	189.11
21	2.43	28	4.912	68	11.930	721	40.71	85.54	132.41	183.35	244.48	478	29.18	61.31	94.89	131.40	175.21
22	2.47	68	11.930	168	29.475	708	104.60	219.78	340.19	471.08	628.14	470	77.04	161.88	250.57	346.98	462.66
23	2.48	29	5.088	72	12.632	705	42.31	88.89	137.59	190.52	254.05	467	30.33	63.73	98.65	136.60	182.14
24	2.50	36	6.316	90	15.790	700	53.54	112.50	174.14	241.13	321.53	464	38.52	80.93	125.26	173.46	231.29
25	2.50	32	5.614	80	14.036	700	47.11	98.98	153.21	212.15	282.88	464	33.82	71.06	109.99	152.31	203.09
26	2.55	44	7.720	112	19.650	388	66.45	139.63	216.13	299.28	399.06	456	48.02	100.90	156.19	216.26	288.38
27	2.57	56	9.825	144	25.264	681	85.72	180.12	278.80	368.07	514.79	451	62.48	131.28	203.20	281.38	375.20
28	2.57	28	4.912	72	12.632	681	40.71	85.54	132.41	183.35	244.48	451	29.18	61.31	94.89	131.40	175.21
29	2.63	64	11.229	168	29.475	667	98.37	206.69	319.94	443.03	590.75	442	72.19	151.67	234.78	325.10	433.49
30	2.65	34	5.965	90	15.790	661	50.32	105.74	163.67	226.63	302.19	438	36.16	75.98	117.61	162.86	217.16
31	2.67	30	5.263	80	14.036	656	43.90	92.25	142.79	197.73	263.65	435	31.49	66.17	102.42	141.82	189.11
32	2.67	72	12.632	192	33.686	656	110.75	232.71	360.21	498.80	665.10	435	81.90	172.09	266.37	368.86	491.84
33	2.70	80	14.036	216	37.896	648	122.79	258.00	399.37	553.02	737.40	430	91.60	192.46	297.91	412.52	550.06
34	2.76	29	5.088	80	14.036	634	42.31	88.89	137.59	190.52	254.05	421	30.33	63.73	98.65	136.60	182.14
35	2.77	52	9.123	144	25.264	632	79.33	166.69	258.01	357.28	476.40	419	57.64	121.12	187.47	259.60	346.15
36	2.80	60	10.527	168	29.475	625	92.08	193.46	299.46	414.68	552.94	414	67.33	141.47	218.98	303.23	404.32
37	2.80	40	7.018	112	19.650	625	59.99	126.05	195.12	270.19	360.27	414	43.25	90.87	140.66	194.78	259.72
38	2.81	32	5.614	90	15.790	622	47.11	98.98	153.21	212.15	282.88	412	33.82	71.06	109.99	152.31	203.09
39	2.82	68	11.930	192	33.686	620	104.60	219.78	340.19	471.08	628.14	411	77.04	161.88	250.57	346.98	462.66
40	2.86	28	4.912	80	14.036	613	40.71	85.54	132.41	183.35	244.48	406	29.18	61.31	94.89	131.40	175.21
41	2.95	38	6.667	112	19.650	594	56.77	119.27	184.62	255.65	340.89	394	40.88	85.89	132.95	184.10	245.48
42	3.00	72	12.632	216	37.896	583	110.75	232.71	360.21	498.80	665.10	387	81.90	172.09	266.37	368.86	491.84
43	3.00	64	11.229	192	33.686	583	98.37	206.69	319.94	443.03	590.75	387	72.19	151.67	234.78	325.10	433.49
44	3.00	56	9.825	168	29.475	583	85.72	180.12	278.80	368.07	514.79	387	62.48	131.28	203.20	281.38	375.20
45	3.00	48	8.421	144	25.264	583	72.90	153.18	237.10	328.32	437.78	387	52.82	110.98	171.79	237.88	317.19
46	3.00	30	5.263	90	15.790	583	43.90	92.25	142.79	197.73	263.65	387	31.49	66.17	102.42	141.82	189.11
47	3.10	29	5.088	90	15.790	564	42.31	88.89	137.59	190.52	254.05	374	30.33	63.73	98.65	136.60	182.14
48	3.11	36	6.316	112	19.650	563	53.54	112.50	174.14	241.13	321.53	373	38.52	80.93	125.26	173.46	231.29
49	3.18	68	11.930	216	37.896	5251	104.60	219.78	340.19	471.08	628.14	365	77.04	161.88	250.57	346.98	462.66
50	3.20	60	10.527	192	33.686	547	92.08	193.46	299.46	414.68	552.94	363	67.33	141.47	218.98	303.23	404.32
51	3.21	28	4.912	90	15.790	544	40.71	85.54	132.41	183.35	244.48	361	29.18	61.31	94.89	131.40	175.21

NOTE: Shortest Center Distance shown for each sprocket combination may not accommodate installation allowance.





**PANTHER® SYNCHRONOUS DRIVES**



**RPP® PANTHER® DRIVE SELECTION DATA**

**DRIVE SELECTION TABLES FOR 14M BELTS**

Theoretical Center Distances in Inches for Various Belt Lengths																		Line No.
966	1190	1400	1610	1778	1890	2100	2310	2450	2590	2800	3150	3360	3500	3850	4326	4578	4956	
.80		.90		.95		1.00		1.05		1.10		1.15		1.20		1.25		
-	-	12.51	16.75	20.12	22.35	26.52	30.68	33.46	36.22	40.37	47.28	51.43	54.19	61.09	70.47	75.44	82.89	1
-	9.09	13.41	17.63	20.98	23.21	27.38	31.53	34.30	37.07	41.22	48.12	52.27	55.03	61.93	71.31	76.27	83.72	2
-	10.03	14.29	18.50	21.84	24.07	28.23	32.38	35.15	37.91	42.06	48.96	53.11	55.87	62.76	72.14	77.11	84.55	3
-	10.94	15.17	19.36	22.70	24.92	29.08	33.23	35.99	38.76	42.90	49.80	53.94	56.70	63.60	72.98	77.94	85.39	4
-	-	-	-	-	-	17.96	22.25	25.08	27.89	32.09	39.05	43.22	46.00	52.93	62.34	67.31	74.78	5
-	10.14	14.42	18.62	21.97	24.19	28.36	32.51	35.28	38.05	42.09	49.10	53.24	56.00	62.90	72.28	77.24	84.69	6
-	-	10.88	15.22	18.61	20.86	25.06	29.23	32.01	34.79	38.94	45.86	50.01	52.77	59.68	69.07	74.03	81.48	7
-	-	-	-	-	-	-	-	-	21.15	25.48	32.59	36.81	39.61	46.60	56.06	61.05	68.54	8
-	-	-	13.03	16.50	18.78	23.01	27.20	29.99	32.78	36.94	43.88	48.03	50.79	57.71	67.10	72.07	79.52	9
-	-	12.74	17.00	20.37	22.60	26.78	30.94	33.71	36.48	40.64	47.55	51.69	54.45	61.36	70.74	75.71	83.15	10
-	9.32	13.65	17.88	21.23	23.46	27.63	31.79	34.56	41.48	48.39	48.39	52.53	55.29	62.19	71.58	76.54	83.99	11
-	10.26	14.54	18.75	22.10	24.32	28.49	32.64	35.41	38.18	42.32	49.23	53.37	56.13	63.03	72.41	77.38	84.82	12
-	-	-	-	-	-	-	-	-	-	27.64	31.95	34.80	36.81	41.87	51.40	56.42	63.93	13
-	-	-	-	-	-	18.43	22.73	25.56	28.38	32.59	39.56	43.73	46.51	53.45	62.86	67.84	75.30	14
-	9.43	13.77	18.00	21.36	23.59	27.76	31.92	34.69	37.46	41.61	48.52	52.66	55.43	62.33	71.71	76.68	84.12	15
-	-	11.11	15.45	18.86	21.11	25.31	29.49	32.27	35.04	39.20	46.12	50.27	53.04	59.94	69.33	74.30	81.75	16
-	-	-	13.26	16.74	19.02	23.25	27.45	30.25	33.03	37.20	44.13	48.29	51.06	57.97	67.37	72.34	79.79	17
-	-	-	-	-	-	-	-	-	-	-	26.84	29.78	36.99	46.64	51.70	59.26	66.71	18
-	-	-	-	-	-	-	-	18.64	21.60	25.95	33.07	37.30	40.11	47.10	56.57	61.57	69.06	19
-	-	12.98	17.24	20.61	22.85	27.03	31.20	33.97	36.74	40.90	47.81	51.96	54.72	61.62	71.01	75.97	83.42	20
-	9.54	13.88	18.12	21.48	23.72	27.89	32.05	34.82	37.59	41.74	48.65	52.80	55.56	62.46	71.84	76.81	84.26	21
-	-	-	-	-	-	-	-	-	-	20.71	28.11	32.43	35.28	42.36	51.89	56.92	64.44	22
-	-	13.09	17.36	20.74	22.98	27.16	31.33	34.10	36.87	41.03	47.94	52.09	54.85	61.75	71.14	76.11	83.56	23
-	-	-	13.49	16.97	19.26	23.50	27.70	30.50	33.28	37.46	44.39	48.55	51.32	58.23	67.63	72.60	80.06	24
-	-	11.33	15.69	19.10	21.36	25.56	29.74	32.52	35.30	39.46	46.38	50.53	53.30	60.21	69.60	74.57	82.02	25
-	-	-	-	-	14.46	18.89	23.21	26.05	28.87	33.08	40.07	44.24	47.02	53.96	63.38	68.36	75.83	26
-	-	-	-	-	-	-	-	19.09	22.06	26.42	33.56	37.79	40.60	47.60	57.08	62.08	69.57	27
-	8.78	13.21	17.49	20.86	23.10	27.29	31.46	34.23	37.00	41.16	48.07	52.22	54.98	61.89	71.27	76.24	83.69	28
-	-	-	-	-	-	-	-	-	-	21.15	28.57	32.90	35.76	42.84	52.39	57.42	64.95	29
-	-	-	13.72	17.21	19.50	23.74	27.95	30.75	33.54	37.71	44.65	48.81	51.58	58.49	67.89	72.87	80.32	30
-	-	11.56	15.93	19.34	21.60	25.81	29.99	32.78	35.56	39.72	46.64	50.79	53.56	60.47	69.86	74.83	82.28	31
-	-	-	-	-	-	-	-	-	-	23.20	27.74	30.70	33.46	37.94	47.41	52.68	60.26	32
-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.81	42.69	47.84	55.48	33
-	-	11.67	16.05	19.46	21.72	25.93	30.12	32.90	35.68	39.85	46.77	50.93	53.69	60.60	69.99	74.96	82.42	34
-	-	-	-	-	-	-	-	19.53	22.51	26.89	34.04	38.28	41.09	48.10	57.58	62.59	70.09	35
-	-	-	-	-	-	-	-	-	-	21.59	29.03	33.37	36.23	43.33	52.89	57.92	65.45	36
-	-	-	-	-	14.90	19.35	23.68	26.53	29.36	33.58	40.57	44.75	47.53	54.48	63.90	68.88	76.35	37
-	-	-	13.94	17.44	19.73	23.99	28.20	31.00	33.79	37.97	44.91	49.07	51.84	58.76	68.16	73.13	80.59	38
-	-	-	-	-	-	-	-	-	-	23.63	28.19	31.15	33.81	40.10	48.10	53.17	60.76	39
-	-	11.78	16.16	19.58	21.84	26.06	30.25	33.03	35.81	39.98	46.90	51.06	53.82	60.73	70.13	75.10	82.55	40
-	-	-	-	-	15.12	19.58	23.92	26.77	29.60	33.82	40.82	45.00	47.79	54.73	64.16	69.14	76.61	41
-	-	-	-	-	-	-	-	-	-	-	-	-	26.09	33.71	43.63	48.79	56.45	42
-	-	-	-	-	-	-	-	-	-	24.06	28.64	31.61	34.38	41.32	50.74	55.71	63.26	43
-	-	-	-	-	-	-	-	-	-	22.02	29.49	33.84	36.71	43.82	53.38	58.42	65.96	44
-	-	-	-	-	-	-	16.87	19.97	22.97	27.35	34.52	38.77	41.59	48.60	58.09	63.10	70.60	45
-	-	-	14.17	17.67	19.97	24.23	28.45	31.25	34.04	38.22	45.17	49.33	52.10	59.02	68.42	73.39	80.85	46
-	-	-	14.28	17.79	20.09	24.35	28.57	31.37	34.17	38.35	45.29	49.45	52.23	59.15	68.55	73.53	80.98	47
-	-	-	-	-	15.34	19.81	24.15	27.01	29.84	34.07	41.07	45.26	48.04	54.99	64.42	69.40	76.88	48
-	-	-	-	-	-	-	-	-	-	-	-	-	26.52	34.15	44.10	49.26	56.94	49
-	-	-	-	-	-	-	-	-	-	24.49	29.08	32.06	34.83	41.78	49.06	54.15	61.75	50
-	-	-	14.39	17.91	20.21	24.47	28.70	31.50	34.29	38.47	45.42	49.58	52.36	59.28	68.68	73.66	81.12	51

NOTE: Shortest Center Distance shown for each sprocket combination may not accommodate installation allowance.



# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



## RPP<sup>®</sup> PANTHER<sup>®</sup> DRIVE SELECTION DATA

### DRIVE SELECTION TABLES FOR 14M BELTS

Line No.	Ratio	Sprocket Combination				Driven Speed and Horsepower											
		Driver		Driven		Driven RPM	HP per Belt Width					Driven RPM	HP per Belt Width				
		No. Teeth	Pitch Dia.	No. Teeth	Pitch Dia.		1750 RPM Driver						1160 RPM Driver				
							20	42	65	90	120		20	42	65	90	120
Multiply HP Ratings by BELT LENGTH FACTOR →																	
1	3.23	52	9.123	168	29.475	542	79.33	166.69	258.01	357.28	476.40	359	57.64	121.12	187.47	259.60	346.15
2	3.27	44	7.720	144	25.264	535	66.45	139.63	216.13	299.28	399.06	354	48.02	100.90	156.19	216.28	288.38
3	3.29	34	5.965	112	19.650	531	50.32	105.74	163.67	226.63	302.19	352	36.16	75.98	117.61	162.89	217.16
4	3.38	64	11.229	216	37.896	519	98.37	206.69	319.94	443.03	590.75	344	72.19	151.67	234.78	325.10	433.49
5	3.43	56	9.825	192	33.686	510	85.72	180.12	278.80	386.07	514.79	338	62.48	131.28	203.20	281.38	375.20
6	3.50	48	8.421	168	29.475	500	72.90	153.18	237.10	328.32	437.78	331	52.82	110.98	171.79	237.88	317.19
7	3.50	32	5.614	112	19.650	500	47.11	98.98	153.21	212.15	282.88	331	33.82	71.06	109.99	152.31	203.09
8	3.60	60	10.527	216	37.896	486	92.08	193.46	299.46	414.68	552.94	322	67.33	141.47	218.98	303.23	404.32
9	3.60	40	7.018	144	25.264	486	59.99	126.05	195.12	270.19	360.27	322	43.25	90.87	140.66	194.78	259.72
10	3.69	52	9.123	192	33.686	474	79.33	166.69	258.01	357.28	476.40	314	57.64	121.12	187.47	259.60	346.15
11	3.73	30	5.263	112	19.650	469	43.90	82.25	142.79	197.73	263.65	311	31.49	66.17	102.42	141.82	189.11
12	3.79	38	6.667	144	25.264	462	56.77	119.27	184.62	255.65	340.89	306	40.88	85.89	132.95	184.10	245.48
13	3.82	44	7.720	168	29.475	458	66.45	139.63	216.13	299.28	399.06	304	48.02	100.90	156.19	216.28	288.38
14	3.86	56	9.825	216	37.896	454	85.72	180.12	278.80	386.07	514.79	301	62.48	131.28	203.20	281.38	375.20
15	3.86	29	5.088	112	19.650	453	42.31	88.89	137.59	190.52	254.05	300	30.33	63.73	98.65	136.60	182.14
16	4.00	48	8.421	192	33.686	438	72.90	153.18	237.10	328.32	437.78	290	52.82	110.98	171.79	237.88	317.19
17	4.00	36	6.316	144	25.264	438	53.54	112.50	174.14	241.13	321.53	290	38.52	80.93	125.26	173.46	231.29
18	4.00	28	4.912	112	19.650	438	40.71	85.54	132.41	183.35	244.48	290	29.18	61.31	94.89	131.40	175.21
19	4.15	52	9.123	216	37.896	421	79.33	166.69	258.01	357.28	476.40	279	57.64	121.12	187.47	259.60	346.15
20	4.20	40	7.018	168	29.475	417	59.99	126.05	195.12	270.19	360.27	276	43.25	90.87	140.66	194.78	259.72
21	4.24	34	5.965	144	25.264	413	50.32	105.74	163.67	226.63	302.19	274	36.16	75.98	117.61	162.86	217.16
22	4.36	44	7.720	192	33.686	401	66.45	139.63	216.13	299.28	399.06	266	48.02	100.90	156.19	216.28	288.38
23	4.42	38	6.667	168	29.475	396	56.77	119.27	184.62	255.65	340.89	262	40.88	85.89	132.95	184.10	245.48
24	4.50	48	8.421	216	37.896	389	72.90	153.18	237.10	328.32	437.78	258	52.82	110.98	171.79	237.88	317.19
25	4.50	32	5.614	144	25.264	389	47.11	98.98	153.21	212.15	282.88	258	33.82	71.06	109.99	152.31	203.09
26	4.67	36	6.316	168	29.475	375	53.54	112.50	174.14	241.13	321.53	249	38.52	80.93	125.26	173.46	231.29
27	4.80	40	7.018	192	33.686	365	59.99	126.05	195.12	270.19	360.27	242	43.25	90.87	140.66	194.78	259.72
28	4.80	30	5.263	144	25.264	365	43.90	92.25	142.79	197.73	263.65	242	31.49	66.17	102.42	141.82	189.11
29	4.91	44	7.720	216	37.896	356	66.45	139.63	216.13	299.28	399.06	236	48.02	100.90	156.19	216.28	288.38
30	4.94	34	5.965	168	29.475	354	50.32	105.74	163.67	226.63	302.19	235	36.16	75.98	117.61	162.86	217.16
31	4.97	29	5.088	144	25.264	352	42.31	88.89	137.59	190.52	254.05	234	30.33	63.73	98.65	136.60	182.14
32	5.05	38	6.667	192	33.686	346	56.77	119.27	184.62	255.65	340.89	230	40.88	85.89	132.95	184.10	245.48
33	5.14	28	4.912	144	25.264	340	40.71	85.54	132.41	183.35	244.48	226	29.18	61.31	94.89	131.40	175.21
34	5.25	32	5.614	168	29.475	333	47.11	98.98	153.21	212.15	282.88	221	33.82	71.06	109.99	152.31	203.09
35	5.33	36	6.316	192	33.686	328	53.54	112.50	174.14	241.13	321.53	218	38.52	80.93	125.26	173.46	231.29
36	5.40	40	7.018	216	37.896	324	59.99	126.05	195.12	270.19	360.27	215	43.25	90.87	140.66	194.78	259.72
37	5.60	30	5.263	168	29.475	313	43.90	92.25	142.79	197.73	263.65	207	31.49	66.17	102.42	141.82	189.11
38	5.65	34	5.965	192	33.686	310	50.32	105.74	163.67	226.63	302.19	205	36.16	75.98	117.61	162.86	217.16
39	5.68	38	6.667	216	37.896	308	56.77	119.27	184.62	255.65	340.89	204	40.88	85.89	132.95	184.10	245.48
40	5.79	29	5.088	168	29.475	302	42.31	88.89	137.59	190.52	254.05	200	30.33	63.73	98.65	136.60	182.14
41	6.00	36	6.316	216	37.896	292	53.54	112.50	174.14	241.13	321.53	193	38.52	80.93	125.26	173.46	231.29
42	6.00	32	5.614	192	33.686	292	47.11	98.98	153.21	212.15	282.88	193	33.82	71.06	109.99	152.31	203.09
43	6.00	28	4.912	168	29.475	292	40.71	85.54	132.41	183.35	244.48	193	29.18	61.31	94.89	131.40	175.21
44	6.35	34	5.965	216	37.896	275	50.32	105.74	163.67	226.63	302.19	183	36.16	75.98	117.61	162.86	217.16
45	6.40	30	5.263	192	33.686	273	43.90	82.25	142.79	197.73	263.65	181	31.49	66.17	102.42	141.82	189.11
46	6.62	29	5.088	192	33.686	264	42.31	88.89	137.59	190.52	254.05	175	30.33	63.73	98.65	136.60	182.14
47	6.75	32	5.614	216	37.896	259	47.11	98.98	153.21	212.15	282.88	172	33.82	71.06	109.99	152.31	203.09
48	6.86	28	4.912	192	33.686	255	40.71	85.54	132.41	183.35	244.48	169	29.18	61.31	94.89	131.40	175.21
49	7.20	30	5.263	216	37.896	243	43.90	82.25	142.79	197.73	263.65	161	31.49	66.17	102.42	141.82	189.11
50	7.45	29	5.088	216	37.896	235	42.31	88.89	137.59	190.52	254.05	156	30.33	63.73	98.65	136.60	182.14
51	7.71	28	4.912	216	37.896	227	40.71	85.54	132.41	183.35	244.48	150	29.18	61.31	94.89	131.40	175.21

NOTE: Shortest Center Distance shown for each sprocket combination may not accommodate installation allowance.



**PANTHER<sup>®</sup> SYNCHRONOUS DRIVES**



**RPP<sup>®</sup> PANTHER<sup>®</sup> DRIVE SELECTION DATA**

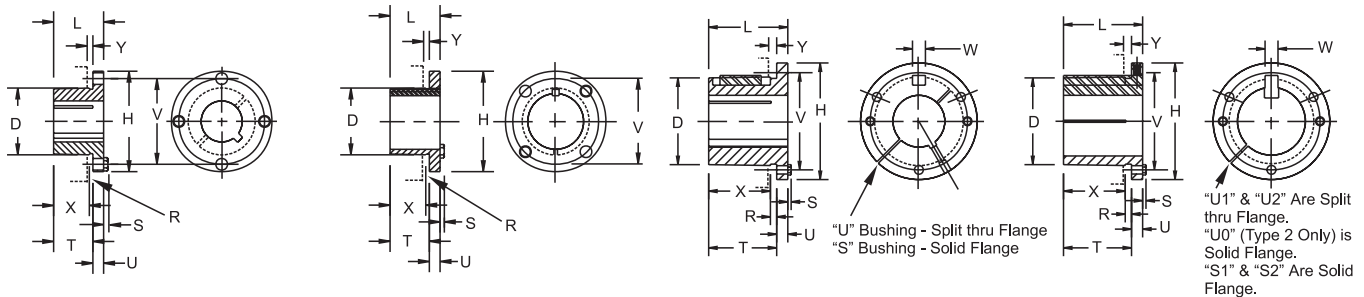
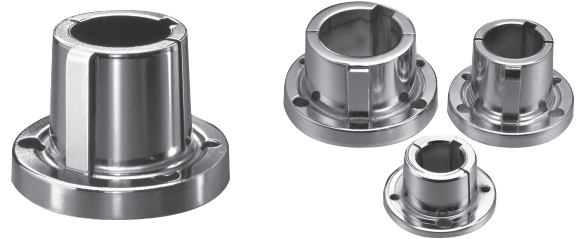
**DRIVE SELECTION TABLES FOR 14M BELTS**

Theoretical Center Distances in Inches for Various Belt Lengths																		Line No.	
966	1190	1400	1610	1778	1890	2100	2310	2450	2590	2800	3150	3360	3500	3850	4326	4578	4956		
.80		.90		.95		1.00		1.05		1.10		1.15		1.20		1.25			
-	-	-	-	-	-	-	-	-	-	22.46	29.95	34.31	37.18	44.30	53.88	58.92	66.46	1	
-	-	-	-	-	-	-	17.29	20.41	23.42	27.82	35.00	39.25	42.07	49.10	58.59	63.61	71.11	2	
-	-	-	-	13.04	15.56	20.04	24.39	27.25	30.08	34.32	41.32	45.51	48.29	55.25	64.68	69.66	77.14	3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.94	34.60	44.56	49.74	57.42	4
-	-	-	-	-	-	-	-	-	-	-	24.92	29.52	32.51	39.81	49.54	54.64	62.24	5	
-	-	-	-	-	-	-	-	-	-	22.89	30.40	34.77	37.65	44.78	54.37	59.42	66.97	6	
-	-	-	-	13.25	15.77	20.27	24.62	27.48	30.33	34.56	41.57	45.76	48.55	55.50	64.94	69.92	77.40	7	
-	-	-	-	-	-	-	-	-	-	-	-	-	27.37	35.05	45.03	50.21	57.90	8	
-	-	-	-	-	-	-	17.71	20.84	23.86	28.28	35.47	39.74	42.56	49.59	59.10	64.11	72.62	9	
-	-	-	-	-	-	-	-	-	-	-	25.35	29.97	32.96	40.28	50.02	55.12	62.73	10	
-	-	-	-	13.46	15.99	20.50	24.86	27.72	30.57	34.81	41.82	46.01	48.80	55.76	65.19	70.18	77.66	11	
-	-	-	-	-	-	-	17.92	21.06	24.09	28.51	35.71	39.98	42.80	49.84	59.35	64.37	71.88	12	
-	-	-	-	-	-	-	-	-	-	23.32	30.86	65.24	38.12	45.26	54.86	59.92	67.47	13	
-	-	-	-	-	-	-	-	-	-	-	-	24.52	27.79	35.49	45.49	50.68	58.38	14	
-	-	-	-	13.57	16.10	20.61	24.97	27.84	30.69	34.93	41.95	46.14	48.93	55.88	65.32	70.31	77.79	15	
-	-	-	-	-	-	-	-	-	-	-	25.77	30.41	33.41	40.74	50.50	55.61	63.22	16	
-	-	-	-	-	-	-	18.13	21.28	24.31	28.74	35.95	40.22	43.05	50.09	59.60	64.62	72.13	17	
-	-	-	-	13.67	16.21	20.72	25.09	27.96	30.81	35.05	42.07	46.26	49.05	56.01	65.45	70.44	77.92	18	
-	-	-	-	-	-	-	-	-	-	-	-	24.93	28.21	35.94	45.96	51.15	58.86	19	
-	-	-	-	-	-	-	-	-	18.87	23.75	31.31	35.70	38.59	45.74	55.35	60.41	67.97	20	
-	-	-	-	-	-	-	18.34	21.50	24.53	28.97	36.19	40.46	43.29	50.33	59.85	64.87	72.39	21	
-	-	-	-	-	-	-	-	-	-	-	26.20	30.85	33.86	41.20	50.98	56.09	63.71	22	
-	-	-	-	-	-	-	-	-	19.07	23.96	31.54	35.93	38.82	45.98	55.60	60.66	68.22	23	
-	-	-	-	-	-	-	-	-	-	-	25.34	28.64	36.38	46.42	51.62	59.34	67.04	24	
-	-	-	-	-	-	-	18.55	21.71	24.76	29.20	36.42	40.70	43.53	50.58	60.10	65.12	72.64	25	
-	-	-	-	-	-	-	-	-	19.28	24.18	31.76	36.16	39.06	46.22	55.84	60.90	68.47	26	
-	-	-	-	-	-	-	-	-	-	-	26.62	31.29	34.30	41.67	51.45	56.57	64.20	27	
-	-	-	-	-	-	-	18.76	21.93	24.98	29.43	36.66	40.94	43.77	50.82	60.35	65.38	72.90	28	
-	-	-	-	-	-	-	-	-	-	-	-	25.75	29.06	36.82	46.88	52.09	59.82	29	
-	-	-	-	-	-	-	-	-	19.48	24.39	31.99	36.39	39.29	46.46	56.09	61.15	68.72	30	
-	-	-	-	-	-	-	18.87	22.04	25.09	29.54	36.78	41.06	43.89	50.95	60.48	65.50	73.02	31	
-	-	-	-	-	-	-	-	-	-	-	26.84	31.51	34.53	41.90	51.69	56.81	64.44	32	
-	-	-	-	-	-	-	18.97	22.15	25.20	29.65	36.89	41.18	44.02	51.07	60.60	65.63	73.15	33	
-	-	-	-	-	-	-	-	-	19.68	24.61	32.21	36.62	39.52	46.70	56.33	61.40	68.97	34	
-	-	-	-	-	-	-	-	-	-	-	27.05	31.72	34.75	42.13	51.93	57.05	64.69	35	
-	-	-	-	-	-	-	-	-	-	-	-	26.16	29.48	37.27	47.34	52.56	60.30	36	
-	-	-	-	-	-	-	-	-	19.89	24.82	32.44	36.85	39.76	46.93	56.57	61.64	69.21	37	
-	-	-	-	-	-	-	-	-	-	-	27.26	31.94	34.97	42.36	52.16	57.29	61.93	38	
-	-	-	-	-	-	-	-	-	-	-	26.37	29.69	37.49	47.57	52.79	60.53	68.19	39	
-	-	-	-	-	-	-	-	-	19.99	24.93	32.55	36.97	39.87	47.05	56.70	61.76	69.34	40	
-	-	-	-	-	-	-	-	-	-	-	-	26.57	29.90	37.71	47.80	53.02	60.77	41	
-	-	-	-	-	-	-	-	-	-	-	27.47	32.16	35.19	42.59	52.40	57.53	65.18	42	
-	-	-	-	-	-	-	-	-	20.09	25.03	32.66	37.08	39.99	47.17	56.82	61.89	69.46	43	
-	-	-	-	-	-	-	-	-	-	-	-	26.77	30.11	37.93	48.03	53.26	61.01	44	
-	-	-	-	-	-	-	-	-	-	-	27.68	32.38	35.42	42.82	52.64	57.77	65.42	45	
-	-	-	-	-	-	-	-	-	-	-	27.79	32.49	35.53	42.93	52.75	57.89	65.54	46	
-	-	-	-	-	-	-	-	-	-	-	-	26.98	30.32	38.15	48.26	53.49	61.25	47	
-	-	-	-	-	-	-	-	-	-	-	27.89	32.60	35.64	43.05	52.87	58.01	65.66	48	
-	-	-	-	-	-	-	-	-	-	-	-	27.18	30.53	38.36	48.49	53.72	61.48	49	
-	-	-	-	-	-	-	-	-	-	-	21.67	27.28	30.63	38.47	48.60	53.84	61.60	50	
-	-	-	-	-	-	-	-	-	-	-	21.77	27.38	30.73	38.58	48.72	53.96	61.72	51	

NOTE: Shortest Center Distance shown for each sprocket combination may not accommodate installation allowance.



### SPLIT TAPER BUSHINGS



**"G" & "H" BUSHINGS**

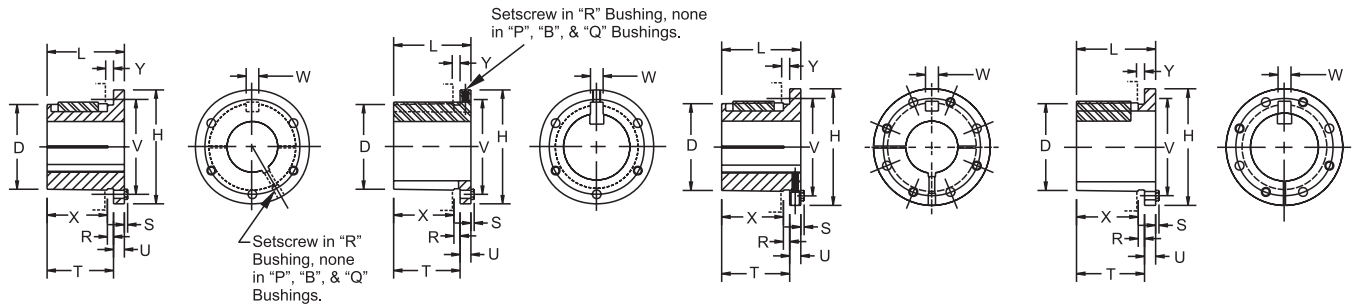
**"S" & "U" BUSHINGS**

**TYPE 1**

**TYPE 2**

**TYPE 1**

**TYPE 2**



**"P", "B", "Q", & "R" BUSHINGS**

**"W" & "Y" BUSHINGS**

**TYPE 1**

**TYPE 2**

**TYPE 1**

**TYPE 2**

### BUSHING SPECIFICATIONS

Part No.	Dimensions											Bore Range		Cap Screws		Av. Wt. Lbs.	Wrench Torque In-Lbs.	
	L	U	T	D		H	V	W	X	Y	R	S	Type 1	Type 2	No.			Size
G	1"	1/4"	3/4"	1.172"	1.133"	2"	19/16"	-	5/8"	3/16"	1/8"	3/16"	3/8" - 15/16"	1"	2	1/4 x 5/8"	.5	95
H	1 1/4"	1/4"	1"	1.625	1.570	2 1/2"	2	-	7/8"	3/16"	1/8"	3/16"	3/8" - 1 3/8"	1 7/16 - 1 1/2"	2	1/4 x 3/4"	.8	95
P1	1 15/16"	13/32"	1 17/32"	1.9375	1.8555	3	2 7/16"	3/8"	1 5/16"	7/32"	7/32"	1/4"	1/2" - 1 7/16"	1 1/2" - 1 3/4"	3	5/16 x 1"	1.3	192
P2	2 15/16"	13/32"	2 17/32"	1.9375	1.7930	3	2 7/16"	3/8"	2 5/16"	7/32"	7/32"	1/4"	3/4" - 1 7/16"	1 1/2" - 1 3/4"	3	5/16 x 1"	1.5	192
P3	4 7/16"	13/32"	4 1/32"	1.9375	1.6993	3	2 7/16"	3/8"	3 13/16"	7/32"	7/32"	1/4"	1 1/8" - 1 3/8"	1 5/8"	3	5/16 x 1"	2	192
B	1 15/16"	1/2"	17/16"	2.625	2.5567	3 11/16"	3 1/8"	1/2"	1 3/16"	7/32"	1/4"	1/4"	1/2" - 1 15/16"	2 - 2 7/16"	3	5/16 x 1 1/4"	1.8	192
Q1	2 1/2"	17/32"	1 31/32"	2.875	2.7657	4 1/8"	3 3/8"	1/2"	1 3/4"	7/32"	7/32"	9/32"	3/4" - 2 1/16"	2 1/8" - 2 11/16"	3	3/8 x 1 1/4"	3.5	348
Q2	3 1/2"	17/32"	2 31/32"	2.875	2.7032	4 1/8"	3 3/8"	1/2"	2 3/4"	7/32"	7/32"	9/32"	1 - 2 1/16"	2 1/8" - 2 5/8"	3	3/8 x 1 1/4"	4.5	348
Q3	5"	17/32"	4 15/32"	2.875	2.6094	4 1/8"	3 3/8"	1/2"	4 1/4"	7/32"	7/32"	9/32"	1 3/8" - 1/16"	2 1/8" - 2 1/2"	3	3/8 x 1 1/4"	5.5	348
R1	2 7/8"	5/8"	2 1/4"	2.875	3.8750	5 3/8"	4 5/8"	3/4"	2	1/4"	1/4"	9/32"	1 1/8" - 2 13/16"	2 7/8" - 3 3/4"	3	3/8 x 1 3/4"	7.5	348
R2	4 7/8"	5/8"	4 1/4"	4.000	3.7500	5 3/8"	4 5/8"	3/4"	4	1/4"	1/4"	9/32"	1 3/8" - 2 13/16"	2 7/8" - 3 5/8"	3	3/8 x 1 3/4"	11	348
S1	4 3/8"	3/4"	3 5/8"	4.000	4.4180	6 3/8"	5 3/8"	3/4"	3 5/16"	5/16"	5/16"	3/8"	1 11/16" - 3 3/16"	3 1/4" - 4 1/4"	3	1/2 x 2 1/4"	13.5	840
S2	6 3/4"	3/4"	6"	4.625	4.2696	6 3/8"	5 3/8"	3/4"	5 11/16"	5/16"	5/16"	3/8"	1 7/16" - 3 3/16"	3 1/4" - 4 3/16"	3	1/2 x 2 1/4"	19	840
U0	5 1/4"	11/16"	4 3/16"	4.625	5.7656	8 3/8"	7	1 1/4"	3 3/4"	7/16"	7/16"	15/32"	2 3/8" - 3 1/16"	-	3	5/8 x 2 3/4"	30	1680
U0	4 15/16"	3/4"	4 3/16"	6.000	5.7656	8 3/8"	7	1 1/4"	3 3/4"	7/16"	7/16"	15/32"	3 1/4" - 4 1/4"	4 3/8" - 5 1/2"	3	5/8 x 2 3/4"	27	1680
U1	7 1/8"	11/16"	6 1/16"	6.000	5.6485	8 3/8"	7	1 1/4"	5 5/8"	7/16"	7/16"	15/32"	2 3/8" - 4 1/4"	4 3/8" - 5 1/2"	3	5/8 x 2 3/4"	40	1680
U2	10 1/8"	11/16"	9 1/16"	6.000	5.4610	8 3/8"	7	1 1/4"	8 5/8"	7/16"	7/16"	15/32"	2 7/16" - 4 1/4"	4 3/8" - 5"	3	5/8 x 2 3/4"	50	1680
W1	8 1/4"	17/16"	6 13/16"	6.000	8.1016	12 1/2"	10	1 1/4"	6 3/8"	7/16"	7/16"	9/16"	3 3/8" - 6 3/16"	6 1/4" - 7 7/16"	4	3/4 x 3"	104	3000
W2	11 1/4"	17/16"	9 13/16"	8.500	7.9141	12 1/2"	10	1 1/4"	9 3/8"	7/16"	7/16"	9/16"	3 3/8" - 6 3/16"	6 1/4" - 7 7/16"	4	3/4 x 3"	133	3000
Y0*	11 1/8"	2"	9 1/8"	8.500	11.4688	16 1/2"	14 1/2"	2	8 1/2"	5/8"	5/8"	5/8"	6 - 7 15/16"	8 - 0	4	1 x 5"	270	7200

\* "Y" Bushings are MADE-TO-ORDER.

R1 x 1 1/8", R1 x 1 3/16", R2 x 1 3/8", S1 x 1 11/16", S1 x 1 3/4" and S1 x 2 1/8" Bushings are steel. U0 and U1 x 2 3/8" to 3 3/16" and U2 x 2 7/16" to 3 5/16" are Cast Iron. "W" and "Y" Bushings are Cast Iron. All other Bushings on this page are MALLEABLE.

Note: Taper on all Browning Split Taper Bushings is 3/4" Per Foot on Diameter.



# PANTHER<sup>®</sup> SYNCHRONOUS DRIVES



## SPLIT TAPER BUSHINGS

### STOCK INCH BORE BUSHINGS

Stock Bores	Keyseat	G	H	P1	P2	P3	B	Q1	Q2	Q3	R1	R2	S1
3/8"	None	X	X	-	-	-	-	-	-	-	-	-	-
7/16	None	X	X	-	-	-	-	-	-	-	-	-	-
1/2	1/8 x 1/16	X	X	X	-	-	X	-	-	-	-	-	-
9/16	1/8 x 1/16	X	X	X	-	-	X	-	-	-	-	-	-
19/32	3/16 x 3/32	-	X	-	-	-	-	-	-	-	-	-	-
5/8	3/16 x 3/32	X	X	X	-	-	X	-	-	-	-	-	-
21/32	3/16 x 3/32	-	X	X	-	-	-	-	-	-	-	-	-
11/16	3/16 x 3/32	X	X	X	-	-	X	-	-	-	-	-	-
3/4	3/16 x 3/32	X	X	X	X	-	X	X	-	-	-	-	-
25/32	3/16 x 3/32	-	X	X	-	-	-	-	-	-	-	-	-
13/16	3/16 x 3/32	X	X	X	X	-	X	X	-	-	-	-	-
7/8	3/16 x 3/32	X	X	X	X	-	X	X	-	-	-	-	-
15/16	1/4 x 1/8	X*	X	X	X	-	X	X	-	-	-	-	-
31/32	1/4 x 1/8	-	X	X	-	-	-	-	-	-	-	-	-
1	1/4 x 1/8	X*	X	X	X	-	X	X	X	-	-	-	-
1 1/16	1/4 x 1/8	-	X	X	X	-	X	X	X	-	-	-	-
1 1/8	1/4 x 1/8	-	X	X	X	X	X	X	X	-	X	-	-
1 3/16	1/4 x 1/8	-	X	X	X	-	X	X	X	-	X	-	-
1 1/4	1/4 x 1/8	-	X*	X	X	-	X	X	X	-	X	-	-
1 5/16	5/16 x 5/32	-	X*	X	X	-	X	X	X	-	X	-	-
1 3/8▲	5/16 x 5/32	-	X*	X	X	X*	X	X	X	X	X	X	-
1 3/8▲	3/8 x 3/16	-	X*	X	X	-	X	X	X	-	X	-	-
1 7/16	3/8 x 3/16	-	X*	X	X*	-	X	X	X	X	X	X	-
1 1/2	3/8 x 3/16	-	X*	X	X	-	X	X	X	X	X	X	-
1 9/16	3/8 x 3/16	-	-	X	X	-	X	X	X	X	X	X	-
1 5/8	3/8 x 3/16	-	-	X	X	X	X	X	X	X	X	X	-
1 11/16	3/8 x 3/16	-	-	X	X	-	X	X	X	X	X	X	X
1 3/4	3/8 x 3/16	-	-	X	X	-	X	X	X	X	X	X	X
		B	Q1	Q2	Q3	R1	R2	S1	S2	U0	U1	U2	
1 13/16	1/2 x 1/4	X	X	X	X	X	X	X	-	-	-	-	-
1 7/8	1/2 x 1/4	X	X	X	X	X	X	X	X	-	-	-	-
1 15/16	1/2 x 1/4	X	X	X	X	X	X	X	X	-	-	-	-
2	1/2 x 1/4	X	X	X	X	X	X	X	X	-	-	-	-
2 1/16	1/2 x 1/4	X	X	X	X	X	X	X	X	-	-	-	-
2 1/8	1/2 x 1/4	X	X	X	X	X	X	X	X	-	-	-	-
2 3/16	1/2 x 1/4	X	X	X	X	X	X	X	X	-	-	-	-
2 1/4	1/2 x 1/4	X	X	X	X	X	X	X	X	-	-	-	-
2 5/16	5/8 x 5/16	X	X	X	X	X	X	X	X	-	-	-	-
2 3/8	5/8 x 5/16	X	X	X	X	X	X	X	X	X	-	-	-
2 7/16	5/8 x 5/16	X	X	X	X	X	X	X	X	X	X	-	-
2 1/2	5/8 x 5/16	-	X	X	X	X	X	X	X	X	X	X	-
2 9/16	5/8 x 5/16	-	X	X	X	X	X	X	X	X	X	X	-
2 5/8	5/8 x 5/16	-	X	X	-	X	X	X	X	X	X	X	-
2 11/16	5/8 x 5/16	-	X	-	-	X	X	X	X	X	X	X	-
2 3/4	5/8 x 5/16	-	-	-	-	X	X	X	X	X	X	X	-
2 13/16	3/4 x 3/8	-	-	-	-	X	X	X	X	X	X	X	-
2 7/8	3/4 x 3/8	-	-	-	-	X	X	X	X	X	X	X	-
2 15/16	3/4 x 3/8	-	-	-	-	X	X	X	X	X	X	X	-
3	3/4 x 3/8	-	-	-	-	X	X	X	X	X	X	X	-
3 1/8	3/4 x 3/8	-	-	-	-	X	X	X	X	X	X	X	-
3 3/16	3/4 x 3/8	-	-	-	-	X	X	X	X	X	X	X	-
3 1/4	3/4 x 3/8	-	-	-	-	X	X	X	X	X	X	X	-
		R1	R2	S1	S2	U0	U1	U2	W1	W2			
3 3/8	7/8 x 7/16	X	X	X	X	X	X	X	X	X	-	-	-
3 7/16	7/8 x 7/16	X	X	X	X	X	X	X	X	X	-	-	-
3 1/2	7/8 x 7/16	X	X	X	X	X	X	X	X	X	-	-	-
3 5/8	7/8 x 7/16	X	X	X	X	X	X	X	X	X	-	-	-
3 11/16	7/8 x 7/16	X	-	X	X	X	X	X	X	X	-	-	-
3 3/4	7/8 x 7/16	X	-	X	X	X	X	X	X	X	-	-	-
3 7/8	1 x 1/2	-	-	X	X	X	X	X	X	X	-	-	-
3 15/16	1 x 1/2	-	-	X	X	X	X	X	X	X	-	-	-
4	1 x 1/2	-	-	X	X	X	X	X	X	X	-	-	-
4 1/8	1 x 1/2	-	-	X	X	X	X	X	X	X	-	-	-
4 3/26	1 x 1/2	-	-	X	X	X	X	X	X	X	-	-	-
4 1/4	1 x 1/2	-	-	X	-	X	X	X	X	X	-	-	-
4 3/8	1 x 1/2	-	-	-	-	X	X	X	X	X	-	-	-
4 7/16	1 x 1/2	-	-	-	-	X	X	X	X	X	-	-	-
4 1/2	1 x 1/2	-	-	-	-	X	X	X	X	X	-	-	-
4 5/8	1 1/4 x 5/8	-	-	-	-	X	X	X	X	X	-	-	-
4 11/16	1 1/4 x 5/8	-	-	-	-	X	X	X	X	X	-	-	-
4 3/4	1 1/4 x 5/8	-	-	-	-	X	X	X	X	X	-	-	-
4 7/8	1 1/4 x 5/8	-	-	-	-	X	X	X	X	X	-	-	-
4 15/16	1 1/4 x 5/8	-	-	-	-	X	X	X	X	X	-	-	-
5	1 1/4 x 5/8	-	-	-	-	X	X	X	X	X	-	-	-
		U0	U1	W1	W2								
5 1/8	1 1/4 x 5/8	X	X	X	X								
5 3/16	1 1/4 x 5/8	X	X	X	X								
5 1/4	1 1/4 x 5/8	X	X	X	X								
5 3/8	1 1/4 x 5/8	X	X	X	X								
5 7/16	1 1/4 x 5/8	X	X	X	X								
5 1/2	1 1/4 x 5/8	X	X	X	X								

### STOCK INCH BORE BUSHINGS (Cont.)

Stock Bores	Keyseat	W1	W2
5 5/8	1 1/2 x 3/4	X	X
5 3/4	1 1/2 x 3/4	X	X
5 7/8	1 1/2 x 3/4	X	X
5 15/16	1 1/2 x 3/4	X	X
6	1 1/2 x 3/4	X	X
6 1/8	1 1/2 x 3/4	X	X
6 3/16	1 1/2 x 3/4	X	X
6 1/4	1 1/2 x 3/4	X	X
6 3/8	1 1/2 x 3/4	X	X
6 7/16	1 1/2 x 3/4	X	X
6 1/2	1 1/2 x 3/4	X	X
6 5/8	1 1/2 x 3/4	X	X
6 3/4	1 3/4 x 3/4	X	X
6 7/8	1 3/4 x 3/4	X	X
6 15/16	1 3/4 x 3/4	X	X
7	1 3/4 x 3/4	X	X
7 1/8	1 3/4 x 3/4	X	X
7 3/16	1 3/4 x 3/4	X	X
7 1/4	1 3/4 x 3/4	X	X
7 3/8	1 3/4 x 3/4	X	X
7 7/16	1 3/4 x 3/4	X	X

### STOCK MILLIMETER BORE BUSHINGS

Stock Bores	Keyseat	G	H	P1	B	Q1	R1	R2
10mm	None	X	X	-	-	-	-	-
11mm	None	X	X	-	-	-	-	-
12mm	None	X	X	-	-	-	-	-
14mm	5 x 2.5	X	X	X	-	-	-	-
15mm	5 x 2.5	-	-	X	X	-	-	-
16mm	5 x 2.5	X	X	X	X	-	-	-
18mm	6 x 3	X	X	X	X	X	-	-
19mm	6 x 3	X	X	X	X	X	-	-
20mm	6 x 3	X	X	X	X	X	-	-
22mm	6 x 3	X	X	X	X	X	-	-
24mm	8 x 3.5	X	X	X	X	X	-	-
25mm	8 x 3.5	X	X	X	X	X	-	-
28mm	8 x 3.5	-	X	X	X	X	X	-
30mm	8 x 3.5	-	X	X	X	X	X	-
32mm	10 x 4	-	X	X	X	X	X	-
35mm	10 x 4	-	X	X	X	X	X	X
36mm	10 x 4	-	X	X	X	X	X	X
38mm	10 x 4	-	X	X	X	X	X	X
39mm	12 x 4	-	-	X	X	X	X	X
40mm	12 x 4	-	-	X	X	X	X	X
42mm	12 x 4	-	-	X	X	X	X	X
45mm	14 x 4.5	-	-	-	X	X	X	X
48mm	14 x 4.5	-	-	-	X	X	X	X
50mm	14 x 4.5	-	-	-	X	X	X	X
55mm	16 x 5	-	-	-	X	X	X	X
60mm	18 x 5.5	-	-	-	X	X	X	X
65mm	18 x 5.5	-	-	-	-	X	X	X
70mm	20 x 6	-	-	-	-	-	X	X
75mm	20 x 6	-	-	-	-	-	-	X
80mm	22 x 7	-	-	-	-	-	-	X
85mm	22 x 7	-	-	-	-	-	-	X
90mm	25 x 7	-	-	-	-	-	-	X
95mm	25 x 7	-	-	-	-	-	-	X

### STOCK SPLINE BORE BUSHINGS

SPLINE	H	P1	Q1	Q2
.978 - 10 Inv.	X	X	-	-
1 1/8 - 6B	X	X	X	-
1 1/4 - 10B	-	X	-	-
1 3/8 - 6B	X	X	X	X
1 3/8 - 10B	-	X	X	-
1 3/8 - 21 Inv.	X	X	X	-

Note: ▲ 1 3/8 Bore Bushings with 5/16 x 5/32" Keyway will be shipped unless the 3/8 x 3/16 Keyway is specified on the order.

\* These sizes have a Shallow Keyseat. Special Keys are furnished to fit standard depth keyseats in shafts.



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These Terms and Conditions, the attendant quotation or acknowledgment and all documents incorporated by specific reference therein, will be the complete and exclusive statement of the terms of the agreement governing the sale of goods ("Goods") by **Emerson Power Transmission Corporation** and its divisions and subsidiaries ("Seller") to Customer ("Buyer"). Buyer's acceptance of the Goods will manifest Buyer's assent to these Terms and Conditions. If these Terms and Conditions differ in any way from the terms and conditions of Buyer's order, or other documentation, this document will be construed as a counteroffer and will not be deemed an acceptance of Buyer's terms and conditions which conflict herewith.

1. **PRICES:** Unless otherwise specified in writing by Seller, Seller's price for the goods shall remain in effect for thirty (30) days after the date of Seller's quotation or acknowledgment of Buyer's order for the Goods, whichever occurs first, provided an unconditional, complete authorization for the immediate shipment of the Goods is received and accepted by Seller within such time period. If such authorization is not received by Seller within such thirty (30) day period, Seller shall have the right to change the price for the Good to Seller's price for the Goods at the time of shipment.

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5. **QUANTITY:** Buyer agrees to accept overruns of up to ten percent (10%) of the order on "made-to-order" Goods, including parts. Any such additional items shall be priced at the price per item charged for the specific quantity ordered.

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9. **CANCELLATION:** The Buyer may cancel orders only upon written notice and upon payment to Seller of cancellation charges which include, among other things, all costs and expenses incurred and commitments made by the Seller and a reasonable profit thereon.

10. **CHANGES:** Buyer may request changes or additions to the Goods consistent with Seller's specifications and criteria. In the event such changes or additions are accepted by Seller, Seller may revise the price and delivery schedule. Seller reserves the right to change designs and specifications for the Goods without prior notice to Buyer, except with respect to Goods being made-to-order for Buyer.

11. **TOOLING:** Tool, die, and pattern charges, if any, are in addition to the price of the Goods and are due and payable upon completion of the tooling. All such tools, dies and patterns shall be and remain the property of Seller. Charges for tools, dies, and patterns do not convey to Buyer, title, ownership interests in, or rights to possession or removal, nor prevent their use by Seller for other purchasers, except as otherwise expressly provided by Seller and Buyer in writing with reference to this provision.

12. **ASSIGNMENT:** Buyer shall not assign its rights or delegate its duties hereunder or any interest therein or any rights hereunder without the prior written consent of the Seller, and any such assignment, without such consent, shall be void.

13. **PATENTS AND COPYRIGHTS:** Subject to Section 7, Seller warrants that the Goods sold, except as are made specifically for Buyer according to Buyer's specifications, do not infringe any valid U.S. patent or copyright in existence as of the date of delivery. This warranty is given upon the condition that Buyer promptly notify Seller of any claim or suit involving Buyer in which such infringement is alleged, and, that Buyer cooperate fully with Seller and permit Seller to control completely the defense or compromise of any such allegation of infringement. Seller's warranty as to use only applies to infringements arising solely out of the inherent operation (i) of such Goods, or (ii) of any combination of Goods in a system designed by Seller. In the event such Goods, singularly or in combination, are held to infringe a U.S. patent or copyright in such suit, and the use of such Goods is enjoined, or in the case of a compromise by Seller, Seller shall have the right, at its option and expense, to procure for Buyer the right to continue using such Goods, or replace them with non-infringing Goods; or modify same to become non-infringing; or grant Buyer a credit for the depreciated value of such Goods and accept return of them.

14. **MISCELLANEOUS:** These terms and conditions set forth the entire understanding and agreement between Seller and Buyer, and supersede all other communications, negotiations and prior oral or written statements regarding the subject matter of these terms and conditions. No change, modification, rescission, discharge, abandonment, or waiver of these terms and conditions of Sale shall be binding upon the Seller unless made in writing and signed on its behalf by an officer of the Seller. No conditions, usage or trade, course of dealing or performance, understanding or agreement purporting to modify, vary, explain, or supplement these Terms and Conditions shall be binding unless hereafter made in writing and signed by the party to be bound, and no modification shall be affected by the acceptance of purchase orders or shipping instruction forms containing terms at variance with or in addition to those set forth herein. No waiver by Seller with respect to any breach or default or any right or remedy and no course of dealing, shall be deemed to constitute a continuing waiver of any other breach or default or of any other right or remedy, unless such waiver be expressed in writing and signed by the party to be bound. Seller is not responsible for typographical or clerical errors made in any quotation, orders or publications. All such errors are subject to correction. The validity, performance, and all other matters relating to the interpretation and effect of this contract shall be governed by the law of the state of New York.



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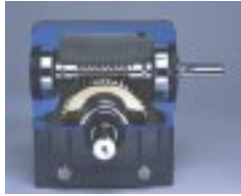




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