



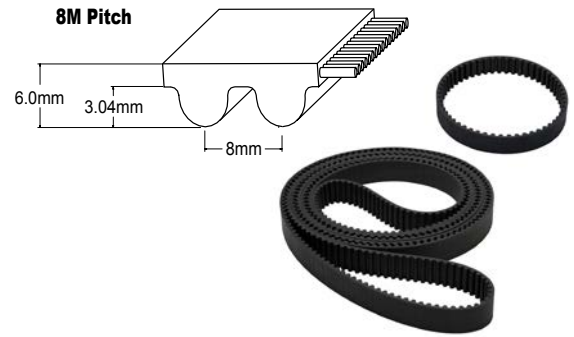
High Torque Drive Belts (8M)

High Torque Drive Belts (8M Pitch)

Neoprene with Fiberglass Reinforcement

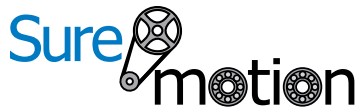
SureMotion High-Torque Drive belts are an excellent choice for drives requiring premium efficiency or synchronous operation and higher power capacity than trapezoidal timing belts. Use them on conveyors, industrial equipment, machine tools, hand power tools, and agricultural equipment where high power density is needed.

- Curvilinear tooth profile (compatible with HTD®)
- Compound: Chloroprene Belt Body, heat and ozone resistant; high tooth shear resistance
- Cord: Fiberglass Tensile Cord; high dimensional stability and maximum flexibility
- Tooth Cover: Nylon Tooth Cover; durability and wear resistance; increased power capacity
- Conforms to ARPM standard IP-27
- Temperature Range: -13°F/+185° (-25°C/+85°C)



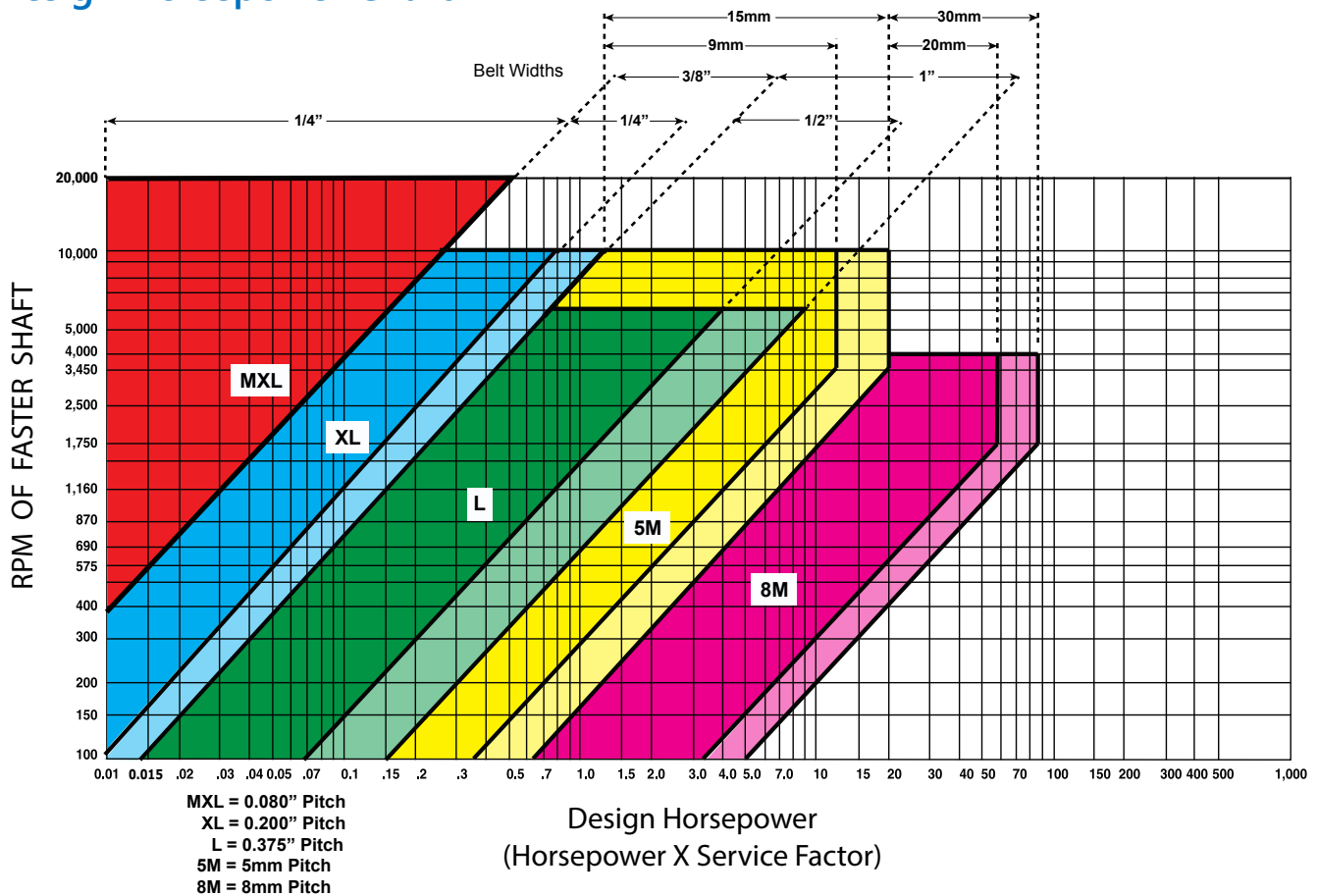
xxx-8M-20-NG Tensile Rating: 2023 lbf [8998 N]
xxx-8M-30-NG Tensile Rating: 3035 lbf [13500 N]

High Torque Drive Belts (8M)															
Part Number	Price	Weight (lb)	# Teeth	Pitch Designation	Pitch (mm)	Circumference (mm)	Width (mm)	Part Number	Price	Weight (lb)	# Teeth	Pitch Designation	Pitch (mm)	Circumference (mm)	Width (mm)
440-8M-20-NG	\$33.50	0.15	55	8M	8	440	20	440-8M-30-NG	\$47.00	0.2	55	8M	8	440	30
480-8M-20-NG	\$33.50	0.15	60			480		480-8M-30-NG	\$47.00	0.2	60			480	
520-8M-20-NG	\$39.00	0.15	65			520		520-8M-30-NG	\$54.00	0.2	65			520	
560-8M-20-NG	\$37.50	0.15	70			560		560-8M-30-NG	\$50.00	0.25	70			560	
600-8M-20-NG	\$39.00	0.15	75			600		600-8M-30-NG	\$54.00	0.25	75			600	
640-8M-20-NG	\$39.00	0.15	80			640		640-8M-30-NG	\$57.00	0.25	80			640	
720-8M-20-NG	\$42.00	0.2	90			720		720-8M-30-NG	\$60.00	0.3	90			720	
800-8M-20-NG	\$45.50	0.25	100			800		800-8M-30-NG	\$65.00	0.35	100			800	
840-8M-20-NG	\$47.00	0.25	105			840		840-8M-30-NG	\$66.00	0.35	105			840	
880-8M-20-NG	\$49.00	0.25	110			880		880-8M-30-NG	\$70.00	0.35	110			880	
920-8M-20-NG	\$49.00	0.25	115			920		920-8M-30-NG	\$70.00	0.4	115			920	
960-8M-20-NG	\$50.00	0.3	120			960		960-8M-30-NG	\$73.00	0.45	120			960	
1040-8M-20-NG	\$54.00	0.3	130			1040		1040-8M-30-NG	\$79.00	0.45	130			1040	
1064-8M-20-NG	\$54.00	0.3	133			1064		1064-8M-30-NG	\$79.00	0.4	133			1064	
1120-8M-20-NG	\$58.00	0.3	140			1120		1120-8M-30-NG	\$82.00	0.45	140			1120	
1160-8M-20-NG	\$58.00	0.35	145			1160		1160-8M-30-NG	\$84.00	0.5	145			1160	
1200-8M-20-NG	\$60.00	0.35	150			1200		1200-8M-30-NG	\$87.00	0.5	150			1200	
1224-8M-20-NG	\$62.00	0.35	153			1224		1224-8M-30-NG	\$87.00	0.55	153			1224	
1280-8M-20-NG	\$63.00	0.35	160			1280		1280-8M-30-NG	\$91.00	0.5	160			1280	
1440-8M-20-NG	\$68.00	0.35	180			1440		1440-8M-30-NG	\$99.00	0.6	180			1440	
1512-8M-20-NG	\$70.00	0.45	189			1512		1512-8M-30-NG	\$101.00	0.65	189			1512	
1584-8M-20-NG	\$75.00	0.4	198			1584		1584-8M-30-NG	\$108.00	0.6	198			1584	
1600-8M-20-NG	\$75.00	0.45	200			1600		1600-8M-30-NG	\$108.00	0.65	200			1600	
1760-8M-20-NG	\$81.00	0.45	220			1760		1760-8M-30-NG	\$118.00	0.7	220			1760	
1800-8M-20-NG	\$82.00	0.45	225			1800		1800-8M-30-NG	\$119.00	0.7	225			1800	
2000-8M-20-NG	\$90.00	0.55	250			2000		2000-8M-30-NG	\$131.00	0.75	250			2000	
2200-8M-20-NG	\$98.00	0.65	275			2200		2200-8M-30-NG	\$142.00	1	275			2200	
2400-8M-20-NG	\$105.00	0.7	300			2400		2400-8M-30-NG	\$155.00	0.95	300			2400	
2600-8M-20-NG	\$114.00	0.75	325			2600		2600-8M-30-NG	\$165.00	1.15	325			2600	
2800-8M-20-NG	\$122.00	0.85	350			2800		2800-8M-30-NG	\$176.00	1.25	350			2800	
3280-8M-20-NG	\$139.00	0.8	410			3280		3280-8M-30-NG	\$198.00	1.4	410			3280	
3600-8M-20-NG	\$155.00	1.15	450			3600		3600-8M-30-NG	\$219.00	1.6	450			3600	
4400-8M-20-NG	\$183.00	1.3	550			4400		4400-8M-30-NG	\$261.00	2	550			4400	

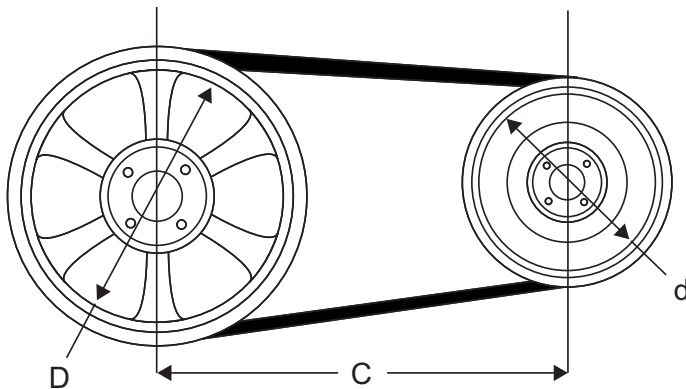


Synchronous Drive Components

Design Horsepower Chart



Drive Component Selection Continued



Belt Length Calculations

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

Where:

- L = Length of belt at pitch line (in inches)
- C = Center distance (in inches)
- D = Pitch diameter (in inches) of large sprocket
- d = Pitch diameter (in inches) of small sprocket