



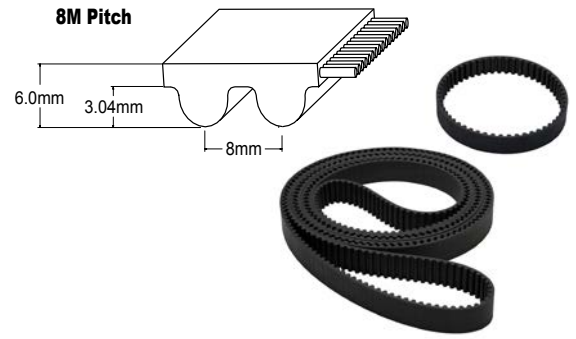
High Torque Drive Belts (8M)

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)



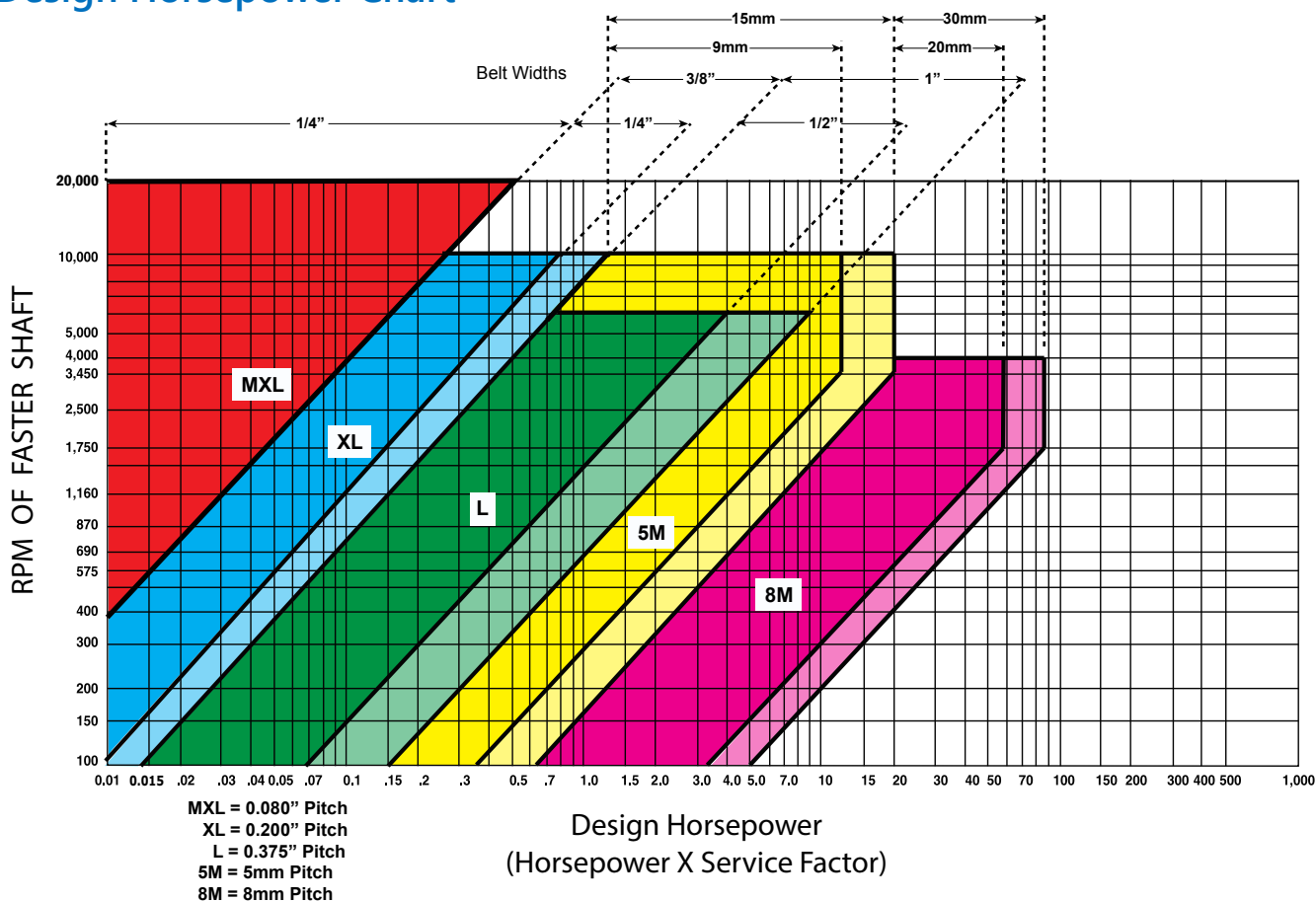
xxx-8M-20-NG Tensile Rating: 2023 lbf [8998 N]
xxx-8M-30-NG Tensile Rating: 3035 lbf [13500 N]

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

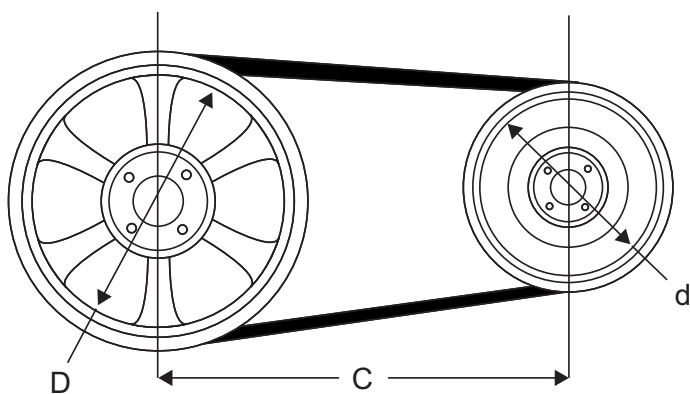


Synchronous Drive Components

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