

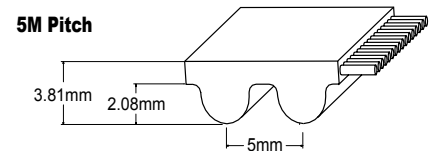
High Torque Drive Belts (5M)

High-Torque Drive Belts (5M Pitch)

Neoprene with Fiberglass Reinforcement

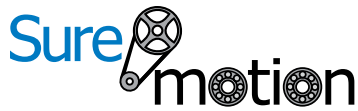
SureMotion High-Torque Drive belts are an excellent choice for drives requiring premium efficiency or synchronous operation and higher power capacity than trapezoidal timing belts. Use them on conveyors, industrial equipment, machine tools, hand power tools, and agricultural equipment where high power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



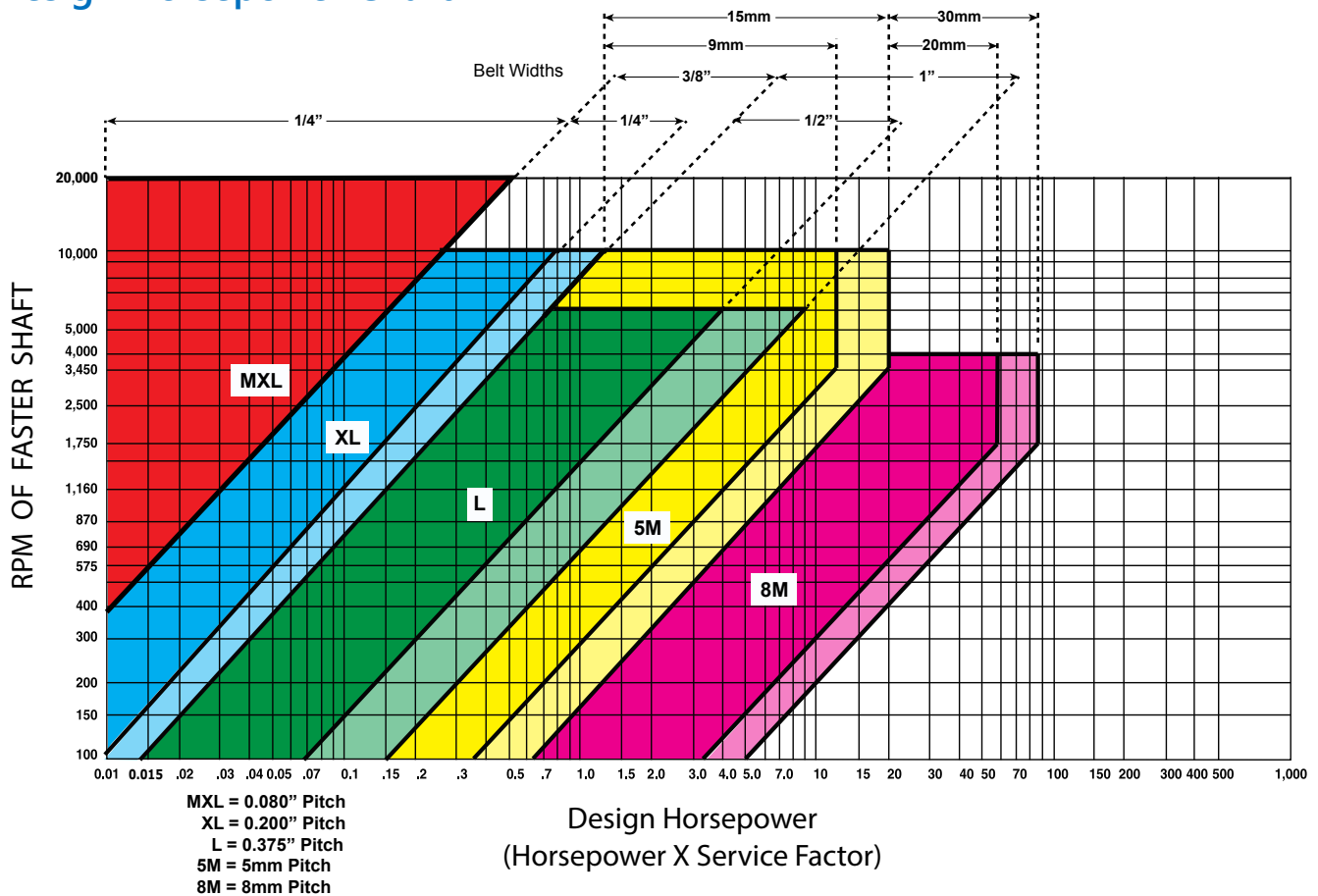
xxx-5M-09-NG Tensile Rating: 645 lbf [2869 N]
xxx-5M-15-NG Tensile Rating: 1076 lbf [4786 N]

High Torque Drive Belts (5M)						
Part Number	Price	Weight (lb)	# Teeth	Pitch Designation	Pitch (mm)	Circumference (mm)
<u>180-5M-09-NG</u>	\$9.50	0.03	36	5M	5	180
<u>200-5M-09-NG</u>	\$10.00	0.03	40			200
<u>225-5M-09-NG</u>	\$10.00	0.04	45			225
<u>240-5M-09-NG</u>	\$10.50	0.04	48			240
<u>275-5M-09-NG</u>	\$11.00	0.05	55			275
<u>300-5M-09-NG</u>	\$11.50	0.05	60			300
<u>325-5M-09-NG</u>	\$11.50	0.05	65			325
<u>350-5M-09-NG</u>	\$12.00	0.05	70			350
<u>375-5M-09-NG</u>	\$12.00	0.05	75			375
<u>400-5M-09-NG</u>	\$12.50	0.05	80			400
<u>425-5M-09-NG</u>	\$13.00	0.05	85			425
<u>450-5M-09-NG</u>	\$13.00	0.05	90			450
<u>465-5M-09-NG</u>	\$16.00	0.05	93			465
<u>180-5M-15-NG</u>	\$13.50	0.05	36			180
<u>200-5M-15-NG</u>	\$14.50	0.05	40			200
<u>225-5M-15-NG</u>	\$14.50	0.05	45			225
<u>240-5M-15-NG</u>	\$15.00	0.05	48			240
<u>275-5M-15-NG</u>	\$17.00	0.05	55			275
<u>300-5M-15-NG</u>	\$17.00	0.05	60			300
<u>325-5M-15-NG</u>	\$17.50	0.05	65			325
<u>350-5M-15-NG</u>	\$18.50	0.05	70			350
<u>375-5M-15-NG</u>	\$19.00	0.05	75			375
<u>400-5M-15-NG</u>	\$19.00	0.05	80			400
<u>425-5M-15-NG</u>	\$20.50	0.05	85			425
<u>450-5M-15-NG</u>	\$21.50	0.05	90			450
<u>465-5M-15-NG</u>	\$25.00	0.05	93			465

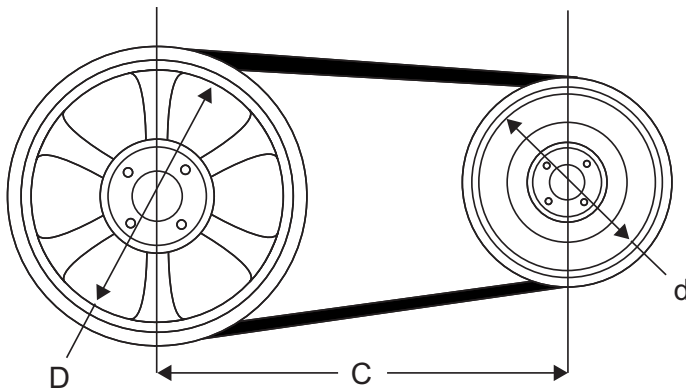


Synchronous Drive Components

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