

Power-Wedge® Cog-Belt®

V-Belt



- 1 Oversized Polyester Cord**
High-modulus cord carries the horsepower load with minimum stretch. Specially treated to produce a long-lasting bond with the surrounding rubber assuring longer belt life. Adds belt strength and stability during peak shock loads.
- 2 Precision Molded Cogs**
Improves flexibility and reduces stress that enables the belt to bend more easily around the pulley. It runs cooler – less heat equals longer belt life. Smaller pulley diameters mean lower cost and space savings.

- 3 EPDM Construction**
Offers superior flex and load carrying capacity at high and low temperatures. EPDM is durable, static conductive and resistant to heat, hardening and glazing.
- 4 Raw Edge Side Walls**
Produce a higher coefficient of friction and minimizes slippage. The gripping power provides higher energy efficiency and reduces vibration for extended component life. The raw edge construction also allows more cord width for increased horsepower capacity.

Recommended Sheaves:
Hi-Cap Wedge – QD, Taper Bushed, or MST (3V, 5V, 8V)

Energy efficient

Smooth running

Design flexibility

High performance
EPDM construction:

- High HP ratings
- Long belt life
- Oil and heat resistant
- Resists hardening and glazing
- Broad operating temperature range (-50°F to +250°F)

chekmate®

Static conductive

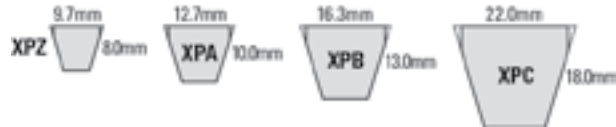
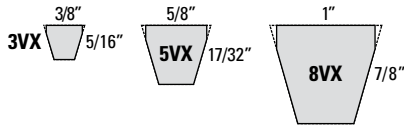
Imperial and metric cross-sections

Applications:

- Fans
- Pumps
- HVAC
- Compressors & More

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The Power-Wedge® Cog-Belt® combines the advantages of EPDM, the narrow belt wedge design and raw edge performance for maximum operating efficiency in a compact drive package.

More Grip... Less Slip

Our Power-Wedge® Cog-Belt® provides more torque with little or no slippage. The result is savings – in time, in belt life and in energy costs.

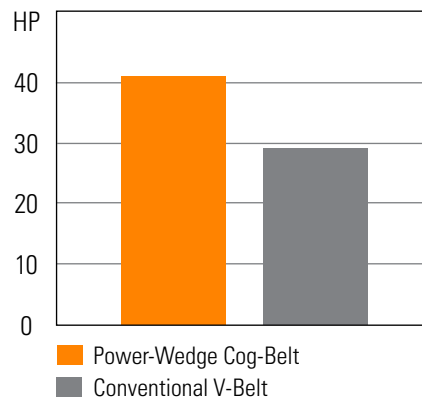
The narrow profile permits reduced drive widths and a smaller drive envelope. Higher horsepower ratings translate into greater design flexibility – reducing drive cost, space and weight.

Belts are made of Ethylene Propylene Diene Monomer (EPDM), a synthetic rubber that is durable and resistant to oil, heat, hardening and glazing. Timken belts made of EPDM have superior flex and load carrying capacity with a broad operating temperature range of -50°F to +250°F.

The Power-Wedge Cog-Belt is available in 3VX, 5VX, and 8VX cross sections as well as metric sizes XPZ, XPA, XPB, and XPC. Where applicable, belts are dual branded with imperial and metric part numbers.



Horsepower Ratings Comparison



5V Section Drive
1750 RPM
1.5:1 Belt Drive Ratio

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Power-Wedge® Cog-Belt® Part Numbers

Part Number Example: **5VX500** = **5V** **X** **500**
Cross Section Cogged Construction Effective Length (inches in tenths: 50.0")

Part Number	Outside Circumference (inches)	Outside Circumference (mm)	Weight (lbs.)
3V Section – Recommended Sheaves: Hi-Cap Wedge – QD, Taper Bushed, or MST (3V)			
3VX250	25.4	645	0.1
3VX265	27	686	0.1
3VX280	28.5	724	0.1
3VX300	30.4	772	0.1
3VX310	31.7	805	0.1
3VX315	32	813	0.1
3VX335	33.8	859	0.1
3VX355	36.1	917	0.1
3VX365	37	940	0.1
3VX375	38	965	0.1
3VX400	40.5	1029	0.1
3VX425	43	1092	0.1
3VX450	45.6	1158	0.1
3VX475	48	1219	0.1
3VX500	50.5	1283	0.2
3VX530	53.4	1356	0.2
3VX540	54.1	1374	0.2
3VX550	55.9	1420	0.2
3VX560	56.5	1435	0.2
3VX580	58.4	1483	0.2
3VX590	59.6	1514	0.2
3VX600	60.6	1539	0.2
3VX630	63.4	1610	0.2
3VX650	65.6	1666	0.2
3VX670	67.5	1715	0.2
3VX690	69.4	1763	0.2
3VX710	71.6	1819	0.2
3VX750	75.3	1913	0.2
3VX800	80.4	2042	0.3
3VX820	82.6	2098	0.4
3VX850	85.4	2169	0.3
3VX900	90.4	2296	0.3

Part Number	Outside Circumference (inches)	Outside Circumference (mm)	Weight (lbs.)
3V Section – Recommended Sheaves: Hi-Cap Wedge – QD, Taper Bushed, or MST (3V)			
3VX950	95.5	2426	0.3
3VX1000	100.5	2553	0.3
3VX1027	103	2616	0.3
3VX1060	106.4	2703	0.3
3VX1120	112.4	2855	0.4
3VX1180	118.4	3007	0.4
3VX1250	125.5	3188	0.4
3VX1280	128.5	3264	0.4
3VX1320	132.5	3366	0.4
3VX1360	136.5	3467	0.4
3VX1400	140.5	3569	0.4
3VX1500	150.5	3823	0.5
5V Section – Recommended Sheaves: Hi-Cap Wedge – QD, Taper Bushed, or MST (5V)			
5VX450	45.5	1156	0.4
5VX470	47.4	1204	0.4
5VX490	49.5	1257	0.4
5VX500	50.5	1283	0.4
5VX510	51.5	1308	0.4
5VX530	53.6	1361	0.4
5VX540	54.4	1382	0.4
5VX550	55.5	1410	0.4
5VX560	56.5	1435	0.5
5VX570	57.4	1458	0.5
5VX580	58.4	1483	0.5
5VX590	59.6	1514	0.5
5VX600	60.6	1539	0.6
5VX610	61.5	1562	0.5
5VX630	63.4	1610	0.5
5VX650	65.5	1664	0.5
5VX660	66.5	1689	0.5
5VX670	67.5	1715	0.5

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Power-Wedge® Cog-Belt® Part Numbers

Part Number Example: **5VX1000** = **5V** **X** **1000**
Cross Section Cogged Construction Effective Length (inches in tenths: 100.0")

Part Number	Outside Circumference (inches)	Outside Circumference (mm)	Weight (lbs.)
5V Section – Recommended Sheaves: Hi-Cap Wedge – QD, Taper Bushed, or MST (5V)			
5VX680	68.4	1737	0.5
5VX690	69.4	1763	0.6
5VX710	71.6	1819	0.6
5VX730	73.5	1867	0.6
5VX740	74.4	1890	0.6
5VX750	75.6	1920	0.6
5VX770	77.5	1969	0.6
5VX780	78.5	1994	0.6
5VX790	79.4	2017	0.6
5VX800	80.4	2042	0.6
5VX810	81.3	2065	0.6
5VX830	83.5	2121	0.7
5VX840	84.4	2144	0.7
5VX850	85.4	2169	0.7
5VX860	86.3	2192	0.7
5VX880	88.5	2248	0.7
5VX900	90.4	2296	0.7
5VX930	93.5	2375	0.7
5VX950	95.4	2423	0.8
5VX960	96.3	2446	0.8
5VX990	99.5	2527	0.8
5VX1000	100.5	2553	0.8
5VX1030	103.3	2624	0.8
5VX1060	106.4	2703	0.9
5VX1080	108.6	2758	0.9
5VX1120	112.4	2855	0.9
5VX1150	115.5	2934	0.9
5VX1160	116.8	2967	0.9
5VX1180	118.6	3012	0.9
5VX1200	120.5	3061	1.0
5VX1230	123.5	3137	1.0
5VX1250	125.5	3188	1.0

Part Number	Outside Circumference (inches)	Outside Circumference (mm)	Weight (lbs.)
5V Section – Recommended Sheaves: Hi-Cap Wedge – QD, Taper Bushed, or MST (5V)			
5VX1320	132.5	3366	1.1
5VX1400	140.5	3569	1.1
5VX1500	150.5	3823	1.2
5VX1600	160.5	4077	1.3
5VX1700	170.5	4331	1.4
5VX1800	180.5	4585	1.4
5VX1900	190.5	4839	1.5
5VX2000	200.5	5093	1.6
8V Section – Recommended Sheaves: Hi-Cap Wedge – QD, Taper Bushed, or MST (8V)			
8VX1000	100.5	2553	2.3
8VX1060	106.5	2705	2.5
8VX1120	112.5	2858	2.6
8VX1180	118.5	3010	2.8
8VX1250	125.5	3188	2.9
8VX1320	132.5	3366	3.1
8VX1400	140.5	3569	3.3
8VX1500	150.5	3823	3.5
8VX1600	160.5	4077	3.7
8VX1700	170.5	4331	4.0
8VX1800	180.5	4585	4.2
8VX1900	190.5	4839	4.4
8VX2000	200.5	5093	4.5