

DISTAGQCS™

QUALITY COMPONENT SOLUTIONS

RIBBED / POLY V-BELTS

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PIX

Power Transmission Solutions

 Driving growth!

RIBBED/ POLY V-BELTS

INTRODUCTION

MULTI RIBBED OR POLY V-BELTS ARE AN IDEAL SOLUTION TO COMPACT DRIVES IN HOUSEHOLD APPLIANCES; AUTOMOTIVE DRIVES; AGRICULTURAL MACHINERY; LAWN & GARDEN EQUIPMENT; AND MANY OTHER APPLICATIONS IN GENERAL INDUSTRY.

Multi Ribbed Belts combine the high flexibility of flat Belts with a higher-power transmission capacity than the traditional V -Belt. Multi Ribbed Belts enable economic solutions even under difficult drive conditions, such as large transmission ratios, high belt speeds, small diameter pulleys and drives with back idler pulleys. The belts consist of multiple V-ribs that mesh into the grooves of the pulley.

PIX-X'ceed® Multi Ribbed Belts are available in PH, PJ, PK, PL and PM profiles. As well as the standard versions, these belts are also available in High Temperature; Elasticated; Topcoat (for packaging machinery); FRAS (Fire-Resistant, Anti-Static); and Double-Sided derivatives.



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PIX ARE WORLD LEADERS IN THE
MANUFACTURE OF ADVANCED
TECHNOLOGY BELTS

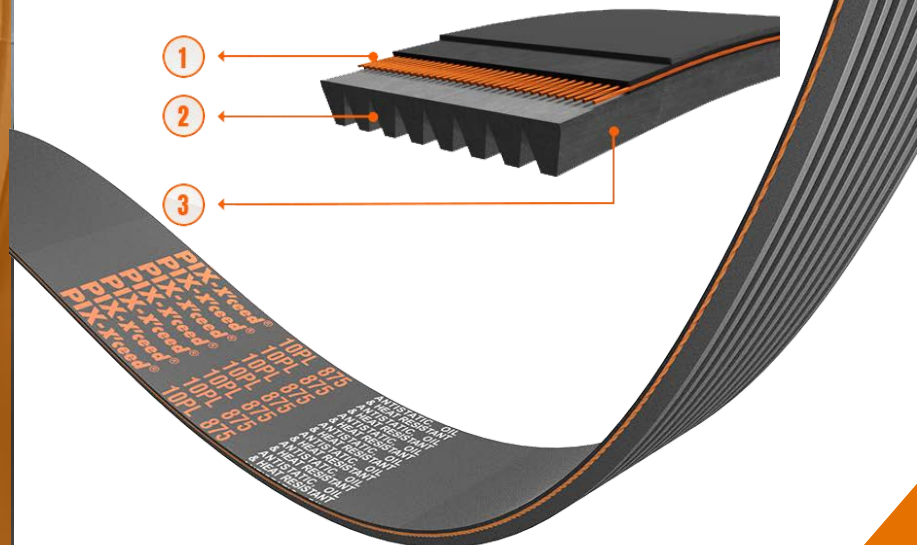
PIX-X'CEED RIBBED / POLY-V BELTS

FEATURES

- High power transmission capacity.
- Suitable for small pulley diameters.
- Maximum Belt linear speed up to 60 m/sec.
- Highly flexible, noise-free & smooth running.
- Can be used for speed ratios up to 1:30.
- Anti-static oil & heat resistant.
- Temperature range: -25°C to +100°C
- Reference standards RMA IP-26, ISO 9982 & DIN 7867.

CONSTRUCTIONAL DETAILS

1. High strength tensile member across the full width for maximum tensile strength and negligible elongation.
2. Special design ribbed driving surface for maximum area of contact and reduced face pressure.
3. Special rubber compound for high frictional grip to transmit uniform power even on smaller pulley diameter.



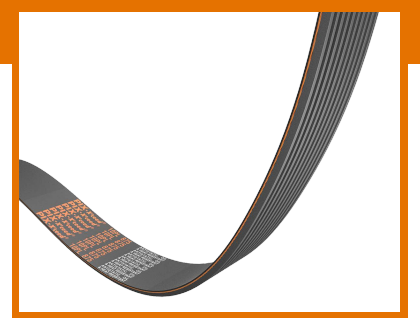
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RIBBED/POLY V BELT PRODUCT RANGE

Section	Thickness (mm)	Rib Pitch (mm)	Manufacturing Range		Length Designation
			BC	L	
PH	2.9	1.6	13	2 to 330	280
PJ	3.8	2.34	20	2 to 235	280
PK	4.5	3.56	45	2 to 150	280
PL	7.6	4.7	75	2 to 110	500
PL	7.6	4.7	75	2 to 45	5001
PM	13.3	9.4	180	2 to 52	950
PM	13.3	9.4	180	2 to 20	5001



Nominal Length (How the belt reference is arrived at)
Effective Length (Le) in MM

PJ RIBBED/POLY V BELT

PJ Ribbed/Poly V Belt Specification

Belt Ref	Effective Length (Le) MM	Belt Ref	Effective Length (Le) Inch	Belt Ref	Effective Length (Le) Inch	Belt Ref	Effective Length (Le) Inch	Belt Ref	Effective Length (Le) Inch	Belt Ref	Effective Length (Le) Inch
PJ 280	11.0	PJ 533	21.0	PJ 787	31.0	PJ 1150	45.3	PJ 1301	51.2	PJ 1854	73.0
PJ 284	11.2	PJ 550	21.7	PJ 800	31.5	PJ 1158	45.6	PJ 1308	51.5	PJ 1880	74.0
PJ 286	11.3	PJ 553	21.8	PJ 801	31.5	PJ 1168	46.0	PJ 1315	51.8	PJ 1892	74.5
PJ 294	11.6	PJ 559	22.0	PJ 813	32.0	PJ 1180	46.5	PJ 1316	51.8	PJ 1895	74.6
PJ 307	12.1	PJ 570	22.4	PJ 838	33.0	PJ 1189	46.8	PJ 1321	52.0	PJ 1905	75.0
PJ 312	12.3	PJ 584	23.0	PJ 864	34.0	PJ 1194	47.0	PJ 1333	52.5	PJ 1910	75.2
PJ 317	12.5	PJ 599	23.6	PJ 870	34.3	PJ 1200	47.2	PJ 1355	53.3	PJ 1915	75.4
PJ 330	13.0	PJ 605	23.8	PJ 889	35.0	PJ 1219	48.0	PJ 1358	53.5	PJ 1920	75.6
PJ 336	13.2	PJ 610	24.0	PJ 895	35.2	PJ 1222	48.1	PJ 1371	54.0	PJ 1930	76.0
PJ 345	13.6	PJ 616	24.3	PJ 914	36.0	PJ 1232	48.5	PJ 1372	54.0	PJ 1956	77.0
PJ 350	13.8	PJ 630	24.8	PJ 920	36.2	PJ 1233	48.5	PJ 1397	55.0	PJ 1965	77.4
PJ 356	14.0	PJ 635	25.0	PJ 940	37.0	PJ 1244	49.0	PJ 1428	56.2	PJ 1981	78.0
PJ 362	14.3	PJ 640	25.2	PJ 955	37.6	PJ 1245	49.0	PJ 1435	56.5	PJ 2083	82.0
PJ 369	14.5	PJ 643	25.3	PJ 965	38.0	PJ 1254	49.4	PJ 1439	56.7	PJ 2100	82.7
PJ 373	147.0	PJ 660	26.0	PJ 990	39.0	PJ 1257	49.5	PJ 1461	57.5	PJ 2108	83.0
PJ 376	14.8	PJ 686	27.0	PJ 991	39.0	PJ 1262	49.7	PJ 1473	58.0	PJ 2155	84.8
PJ 381	15.0	PJ 710	28.0	PJ 1016	40.0	PJ 1270	50.0	PJ 1475	58.1	PJ 2210	87.0
PJ 400	15.7	PJ 711	28.0	PJ 1031	40.6	PJ 1280	50.4	PJ 1519	59.8	PJ 2260	89.0
PJ 406	16.0	PJ 714	28.1	PJ 1054	41.5	PJ 1285	50.6	PJ 1549	61.0	PJ 2337	92.0
PJ 414	16.3	PJ 715	28.1	PJ 1065	41.9	PJ 1287	50.7	PJ 1580	62.2	PJ 2489	98.0
PJ 420	16.5	PJ 723	28.5	PJ 1092	43.0	PH 1830	72.0	PJ 1600	63.0	PJ 2500	98.4
PJ 432	17.0	PJ 724	28.5	PJ 1105	43.5	PH 1854	73.0	PJ 1626	64.0	PJ 3048	120.0
PJ 457	18.0	PJ 737	29.0	PJ 1110	43.7	PH 1860	73.2	PJ 1651	65.0	PJ 4950	194.9
PJ 470	18.5	PJ 746	29.4	PJ 1116	43.9	PH 1874	73.8	PJ 1663	65.5		
PJ 483	19.0	PJ 762	30.0	PJ 1123	44.2	PH 1884	74.2	PJ 1702	67.0		
PJ 490	19.3	PJ 769	30.3	PJ 1130	44.5	PH 1885	74.2	PJ 1753	69.0		
PJ 495	19.5	PJ 770	30.3	PJ 1142	45.0	PJ 1288	50.7	PJ 1778	70.0		
PJ 508	20.0	PJ 786	30.9	PJ 1143	45.0	PJ 1295	51.0	PJ 1795	70.7		

PH RIBBED/POLY V BELT

PH Ribbed/Poly V Belt Specification

Belt Ref	Effective Length (Le) MM	Belt Ref	Effective Length (Le) Inch	Belt Ref	Effective Length (Le) Inch	Belt Ref	Effective Length (Le) Inch	Belt Ref	Effective Length (Le) Inch	Belt Ref	Effective Length (Le) Inch
PH 380	15.0	PH 1245	49.0	PH 1830	72.0	PH 1894	74.6	PH 1938	76.3	PH 1980	78.0
PH 559	22.0	PH 1260	49.6	PH 1854	73.0	PH 1895	74.6	PH 1945	76.6	PH 1985	78.1
PH 711	28.0	PH 1285	50.6	PH 1860	73.2	PH 1900	74.8	PH 1951	76.8	PH 1992	78.4
PH 813	32.0	PH 1295	51.0	PH 1874	73.8	PH 1904	75.0	PH 1956	77.0		
PH 1210	47.6	PH 1309	51.5	PH 1884	74.2	PH 1915	75.4	PH 1965	77.4		
PH 1221	48.1	PH 1578	62.1	PH 1885	74.2	PH 1920	75.6	PH 1970	77.6		
PH 1243	48.9	PH 1800	70.9	PH 1890	74.4	PH 1930	76.0	PH 1975	77.8		

PL RIBBED/POLY V BELT

PL Ribbed/Poly V Belt Specification

Belt Ref	Effective Length (Le) MM	Belt Ref	Effective Length (Le) Inch	Belt Ref	Effective Length (Le) Inch	Belt Ref	Effective Length (Le) Inch	Belt Ref	Effective Length (Le) MM	Belt Ref	Effective Length (Le) MM
PL 525	20.7	PL 1270	50.0	PL 1499	59.0	PL 1841	72.5	PL 2476	97.5	PL 3289	129.5
PL 655	25.8	PL 1290	50.8	PL 1562	61.5	PL 1842	72.5	PL 2515	99.0	PL 3327	131.0
PL 865	34.1	PL 1295	51.0	PL 1613	63.5	PL 1943	76.5	PL 2565	101.0	PL 3492	137.5
PL 954	37.6	PL 1333	52.5	PL 1630	64.2	PL 1981	78.0	PL 2705	106.5	PL 3696	145.5
PL 1041	41.0	PL 1334	52.5	PL 1651	65.0	PL 2019	79.5	PL 2743	108.0	PL 4051	159.5
PL 1075	42.3	PL 1371	54.0	PL 1664	65.5	PL 2070	81.5	PL 2845	112.0	PL 4191	165.0
PL 1149	45.2	PL 1372	54.0	PL 1715	67.5	PL 2096	82.5	PL 2890	113.8	PL 4470	176.0
PL 1168	46.0	PL 1397	55.0	PL 1725	67.9	PL 2134	84.0	PL 2895	114.0	PL 4622	182.0
PL 1194	47.0	PL 1422	56.0	PL 1727	68.0	PL 2197	86.5	PL 2921	115.0	PL 4623	182.0
PL 1215	47.8	PL 1435	56.5	PL 1764	69.4	PL 2235	88.0	PL 2997	118.0		
PL 1219	48.0	PL 1462	57.6	PL 1765	69.5	PL 2324	91.5	PL 3086	121.5		
PL 1237	48.7	PL 1473	58.0	PL 1803	71.0	PL 2362	93.0	PL 3124	123.0		

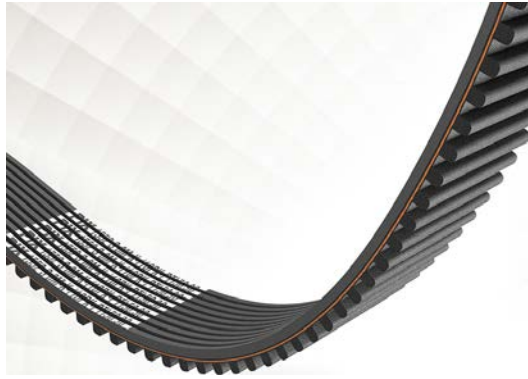
PM RIBBED/POLY V BELT

PM Ribbed/Poly V Belt Specification

Belt Ref	Effective Length (Le) MM	Belt Ref	Effective Length (Le) Inch	Belt Ref	Effective Length (Le) Inch	Belt Ref	Effective Length (Le) Inch	Belt Ref	Effective Length (Le) Inch	Belt Ref	Effective Length (Le) Inch
PM 2134	84.0	PM 2515	99.0	PM 3010	118.5	PM 3561	140.2	PM 4191	165.0	PM 5029	198.0
PM 2240	88.2	PM 2693	106.0	PM 3124	123.0	PM 3648	143.6	PM 4470	176.0		
PM 2286	90.0	PM 2832	111.5	PM 3327	131.0	PM 3734	147.0	PM 4648	183.0		
PM 2388	94.0	PM 2921	115.0	PM 3531	139.0	PM 4089	161.0	PM 4800	189.0		

BRAWN-XT

HYBRID POLY-TIMING BELTS



Brawn-XT was primarily developed for the milling industry, and it is regularly found in flour and rice mills.

The belt is a double-sided drive belt, having timing belt teeth on one side and Poly-V ribs on the other. To bolster the tensile strength for this application, the belts are Aramid-corded and made with specific heat and abrasion-resistant compounds. Working temperature is from -35°C to +130°C.

Ribbed profiles available – PK and PL. Timing profiles available – 5M, 8M, S8M



TOPCOAT-XC

PACKAGING MACHINERY POLY V-BELTS



TopCoat XC are constructed with a Poly-V belt drive component backed with a profiled top made of application-specific rubber.

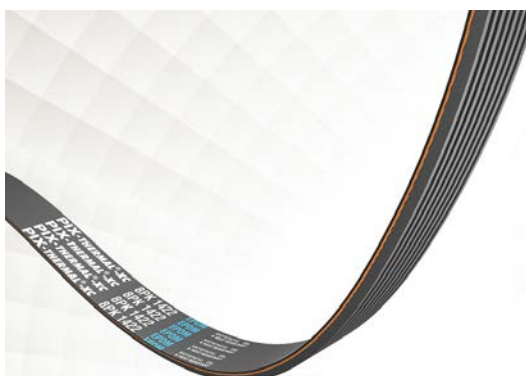
The topcoat selection is based on the temperature and Shore hardness required and can be 4, 6, 8, or 10mm thick. The Poly-V drive member is vulcanised with the top coat as a single piece and is available in PJ, PK, or PL sections.

The profile top is used to grip and cushion various material in conveying and packaging processes. Typically found in bottling plants, packing conveyors, extruding machinery, etc.



THERMAL-XC

HIGH TEMPERATURE POLY V-BELTS



There are many mowers, domestic appliances, and small machines that now require a compact Poly-V drive, but run at very high temperatures. Thermal-XC features EPDM Polyester tension members, along with fibre-loaded EPDM compression, giving high thermal resistance, minimum elongation, and enhanced dimensional stability.

Operating temperature of -35°C to +130°C



SPECIAL APPLICATION MULTI-RIBBED BELTS

DUO-XC

DOUBLE-SIDED POLY V-BELTS

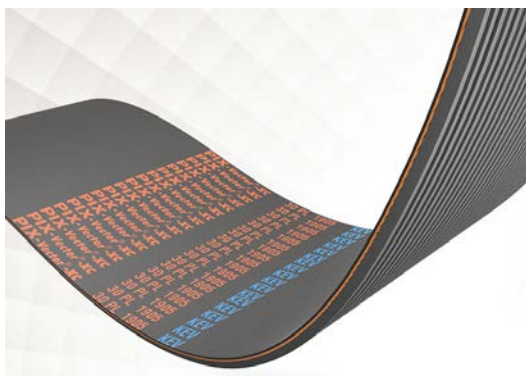


Most commonly recognised as the VW Beetle fan belt type, Duo-XC is now used in many applications from textile machinery to flour mills. These belts transmit power on both sides and are normally used in quite complex 'serpentine' drives.

Normally produced in PK section.

VECTOR-XC

HIGH-POWER, ARAMID-CORDED POLY V-BELTS



Vector is a truly spectacular performer, with a huge power handling capacity, high tensile strength, and high frictional grip for maximum traction.

Originally developed to drive helicopter rotors, it is also highly flexible, virtually noise-free, and vibration resistant.

Normally supplied in PL section, this product is finding many more applications, where it often replaces sets of v-belts.

POLYSTRETCH-XC

POLYSTRETCH-XC ELASTICATED POLY V-BELTS



There is a growing requirement for Poly-V belts which have the ability to stretch but maintain their dimensional stability – in effect to self-tension. In many applications now, such as small lawnmowers, domestic appliances etc., the pulleys are static, and the belt has to be, in effect, stretched over them to fit. A specially designed Polyamide tension member allows the belt to maintain uniform tension throughout the life of the belt. These belts will operate between -25° and +100°C and, as the ribs are able to keep optimum contact area, they have a higher power transmission rating.

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