



PIX

Power Transmission Solutions

Driving growth!

PIX-BRAWN[®]-XT

Hybrid, Timing+Poly-V Belts

**BACK TO THE
GRIND! >>>**

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PIX-Brawn®-XT

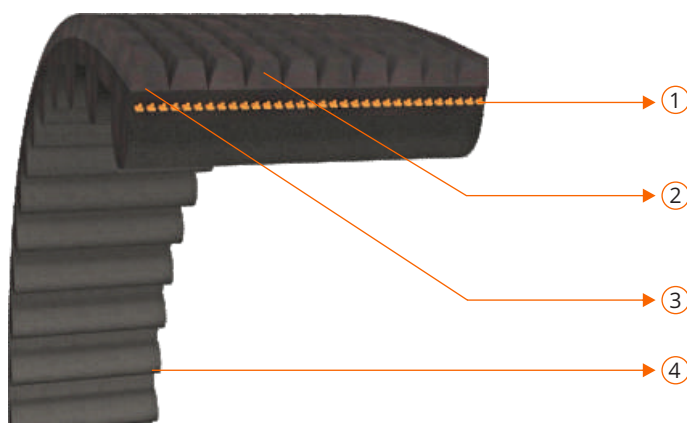
Hybrid, Timing+Poly-V Belts

PIX-Brawn®-XT (Hybrid, Timing + Poly-V) belt are widely used in flour and rice mills, on machines used for grinding (milling) food grains. The grinding process involves a combination of various actions such as compression, shearing, crushing, cutting, friction and collision.

The grinding rollers are twinned and each made to rotate in a direction counter to each other. This kind of reverse rotary direction of rollers is possible with the use of PIX-Brawn® Belts, which offers positive engagement on the one side (synchronous belt tooth profile) and non-synchronous frictional transmission on the other side (Poly-V belt rib profile). The ribbed profile allows functional slippage under roller's jamming condition and absorbs the fluctuations in torque levels.

This construction also facilitates multi-shaft power transmission.

Construction



1. Specially treated cord for high tensile strength, with excellent flex life and high resistance to elongation
2. Trapezoidal ribbed profile for maximum contact area to work on grooved as well as on flat pulley drives.
3. Specially designed rubber compound for enhanced frictional grip and power transmission
4. Special woven fabric on the sprocket side of the synchronous profile that offers high resistance to heat and abrasion, and protection against tooth shear

Features

- Dual mode power transmission (Frictional + synchronous power), specially design for flour mills drives
- Transverse teeth for positive engagement on one side and longitudinal ribs for non-Synchronous frictional transmission on the other side
- Specially treated glass cord for high tensile strength and adhesion to avoid delamination and enhanced Belt life
- Anti-static, oil and heat resistant
- Noise-free transmission
- Operating temperature range: -35°C to +130°C

PIX-Brawn®

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Product range

Timing Belt Sections	No. of Ribs		Length Range (mm)
	PK	PL	
8M	6 to 126	6 to 95	1200 to 4400
S 8M	6 to 126	6 to 95	1200 to 3200
14M	6 to 117	6 to 88	1200 to 4578

Belts can be made available with aramid cord construction upon request.

Application

Flour and rice mills, food-grain machinery

Product range: Sections and size

8M			S 8M			14M		
Product Code	Pitch Length	No. of Teeth	Product Code	Pitch Length	No. of Teeth	Product Code	Pitch Length	No. of Teeth
1200 8M(PK-PT)	1200	150	1200 S 8M(PK-PT)	1200	150	1260 14M(PL-PT)	1260	90
1224 8M(PK-PT)	1224	153	1216 S 8M(PK-PT)	1216	152	1288 14M(PL-PT)	1288	92
1256 8M(PK-PT)	1256	157	1224 S 8M(PK-PT)	1224	153	1344 14M(PL-PT)	1344	96
1280 8M(PK-PT)	1280	160	1248 S 8M(PK-PT)	1248	156	1400 14M(PL-PT)	1400	100
1304 8M(PK-PT)	1304	163	1256 S 8M(PK-PT)	1256	157	1456 14M(PL-PT)	1456	104
1360 8M(PK-PT)	1360	170	1264 S 8M(PK-PT)	1264	158	1512 14M(PL-PT)	1512	108
1400 8M(PK-PT)	1400	175	1280 S 8M(PK-PT)	1280	160	1540 14M(PL-PT)	1540	110
1424 8M(PK-PT)	1424	178	1304 S 8M(PK-PT)	1304	163	1610 14M(PL-PT)	1610	115
1440 8M(PK-PT)	1440	180	1320 S 8M(PK-PT)	1320	165	1750 14M(PL-PT)	1750	125
1480 8M(PK-PT)	1480	185	1344 S 8M(PK-PT)	1344	168	1764 14M(PL-PT)	1764	126
1520 8M(PK-PT)	1520	190	1352 S 8M(PK-PT)	1352	169	1778 14M(PL-PT)	1778	127
1552 8M(PK-PT)	1552	194	1360 S 8M(PK-PT)	1360	170	1820 14M(PL-PT)	1820	130
1600 8M(PK-PT)	1600	200	1400 S 8M(PK-PT)	1400	175	1890 14M(PL-PT)	1890	135
1640 8M(PK-PT)	1640	205	1424 S 8M(PK-PT)	1424	178	1904 14M(PL-PT)	1904	136
1680 8M(PK-PT)	1680	210	1440 S 8M(PK-PT)	1440	180	1960 14M(PL-PT)	1960	140
1696 8M(PK-PT)	1696	212	1480 S 8M(PK-PT)	1480	185	2100 14M(PL-PT)	2100	150
1760 8M(PK-PT)	1760	220	1512 S 8M(PK-PT)	1512	189	2240 14M(PL-PT)	2240	160
1784 8M(PK-PT)	1784	223	1520 S 8M(PK-PT)	1520	190	2310 14M(PL-PT)	2310	165
1800 8M(PK-PT)	1800	225	1552 S 8M(PK-PT)	1552	194	2450 14M(PL-PT)	2450	175
1880 8M(PK-PT)	1880	235	1600 S 8M(PK-PT)	1600	200	2590 14M(PL-PT)	2590	185
1896 8M(PK-PT)	1896	237	1680 S 8M(PK-PT)	1680	210	2730 14M(PL-PT)	2730	195
1904 8M(PK-PT)	1904	238	1696 S 8M(PK-PT)	1696	212	2800 14M(PL-PT)	2800	200
2000 8M(PK-PT)	2000	250	1728 S 8M(PK-PT)	1728	216	3150 14M(PL-PT)	3150	225
2080 8M(PK-PT)	2080	260	1760 S 8M(PK-PT)	1760	220	3360 14M(PL-PT)	3360	240
2104 8M(PK-PT)	2104	263	1800 S 8M(PK-PT)	1800	225	3500 14M(PL-PT)	3500	250
2160 8M(PK-PT)	2160	270	1912 S 8M(PK-PT)	1912	239	3850 14M(PL-PT)	3850	275
2240 8M(PK-PT)	2240	280	2000 S 8M(PK-PT)	2000	250	4578 14M(PL-PT)	4578	327
2248 8M(PK-PT)	2248	281	2024 S 8M(PK-PT)	2024	253			
2272 8M(PK-PT)	2272	284	2032 S 8M(PK-PT)	2032	254			
2400 8M(PK-PT)	2400	300	2048 S 8M(PK-PT)	2048	256			
2600 8M(PK-PT)	2600	325	2120 S 8M(PK-PT)	2120	265			
2800 8M(PK-PT)	2800	350	2240 S 8M(PK-PT)	2240	280			
3200 8M(PK-PT)	3200	400	2272 S 8M(PK-PT)	2272	284			
3280 8M(PK-PT)	3280	410	2400 S 8M(PK-PT)	2400	300			
3600 8M(PK-PT)	3600	450	2552 S 8M(PK-PT)	2552	319			
4400 8M(PK-PT)	4400	550	2600 S 8M(PK-PT)	2600	325			
			2800 S 8M(PK-PT)	2800	350			
			2848 S 8M(PK-PT)	2848	356			

Poly-V Belt 'PL' section is available with "8M" & "S8M" Timing Belt profiles.



PIX Group of Companies

Nagpur & Mumbai, India | Paderborn, Germany
Ipswich, U.K. | Dubai & Ras-Al-Khaimah, U.A.E.

