



PIX

Power Transmission Solutions

Driving growth!

Introducing the latest range of **PIX BANDED BELTS!**

- Extensive range to cover the widest spectrum of applications
- Product positioning to cater to all types of market requirements
- Compelling price to performance ratio

Advantages of Banded Belts over Single Belts :

➤ **Enhanced Belt service life on standard dimension pulley**

Belt length difference is negligible in Banded Belts as compared to multi groove single V-belts drive resulting in uniform distribution of the load, even power transmission, and enhanced service life.

➤ **Lower slippage value resulting in high efficiency**

Belt slippage value is lower as compared to multi groove V-belts drive which results in negligible output losses. Higher efficiency in drives leads to more cost-effective solutions, and longer life due to less heat generation.

➤ **Ability to handle shock-loads due to higher tensile strength**

Superior cord density and configuration provides for high tensile strength in Banded belts in comparison to single V-belts, thereby resulting in improved capability in handling shock loads.



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PIX Banded Belt solutions - Comparative study

Belt Type :	Duraband-XS : Banded Wrap Belts	Muscle HXS3 : High-Power, Maintenance-Free, Banded Wrap Belts	Terminator-HSX : Heavy-duty, High-Power, Aramid-cord Banded Wrap Belts
Features:			
Top-curvature design for superior adhesion and accelerated heat dissipation	✓	✓	✓
High precision lateral and radial run-out for seamless operation	✓	✓	✓
Anti-static properties as per ISO 1813	✓	✓	✓
Eco-friendly (REACH and RoHS compliant)	✓	✓	✓
Temperature range	-18 C to 80 C	-25 C to 100 C	-25 C to 100 C
Power Transmission Rating	Upto 25% higher in comparison to standard single V-belts	Upto 60% higher in comparison to standard single V-belts	Upto 70% higher than standard single V-belts
Wear Resistance and flexibility	Optimal performance	Optimal performance	Excellent performance. Enhanced wear-resistance, high flexibility, and improved heat dissipation using specially treated fabric
Specially engineered for maintenance-free operation	Minimal elongation	Least Elongation. Specially treated cord for maintenance-free operation	Negligible Elongation. Special Aramid-cord for high-tensile strength.
Ability to handle shock/pulsating loads	Optimal performance	Superior performance	"Best in class" performance for applications with shock/pulsating loads and high exposure to abrasive material and heat
Designed for:	Upscaling multi V-Belt transmission drives from a single V-Belt configuration to a Banded V-belt solution with key focus on optimizing the Belt performance to price ratio	Superior performance for applications demanding higher power transmission capacity, maintenance-free operation, enhanced heat resistance, and reduced cost of ownership during the product life cycle.	Exceptional performance in harsh conditions for applications demanding exceptional shock-resistance, superior wear-resistance, enhanced heat resistance, and the possibility of de-clutching.
Suggested applications:	Crushers, Pulverizers, Pulpers, Compressors, Industrial fans, Vibrating screen, Generators, etc.	Hot rolling mills, Saw mills, Power plants, Heat exchangers, High-power Compressors, Vacuum pumps, Grinders, Kils, Blenders, Paper & Pulp industries, etc.	Heavy-duty Vibrating screens, Reclaimers, heavy-duty Mixers, Forestry woodcutters, Wood chippers, Surface miners, Stackers, high-power Crushers, Ball-mills, Combine harvesters, etc.

Product Range

Section	PIX-DurabandProduct Range		PIX-MuscleProduct Range		PIX-Terminator Product Range	
	Min.	Max.	Min.	Max.	Min.	Max.
HSPZ	1180 mm	9080 mm	1180 mm	9080 mm	-	-
HSPA	959 mm	4439 mm	959 mm	4439 mm	959 mm	4439 mm
HSPB	1762 mm	9331 mm	1762 mm	9331 mm	1762 mm	9331 mm
HSPC	1632 mm	23527 mm	1632 mm	23527 mm	1632 mm	23527 mm
H3V	45"	176"	45"	176"	-	-
H5V	50"	923"	50"	923"	50"	923"
H8V	100"	926"	100"	926"	100"	626"
HA	33"	255"	-	-	33"	255"
HB	43"	900"	-	-	43"	900"
HC	47"	923"	-	-	47"	923"
HD	90"	923"	-	-	-	-
HE	90"	922"	-	-	-	-



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