



# PIX

Power Transmission Solutions

*Driving growth!*

## PIX-Agricultural Belts



**HARVEST YOUR  
TRUE  
POTENTIAL! >>>**



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## PIX-Agricultural Belts

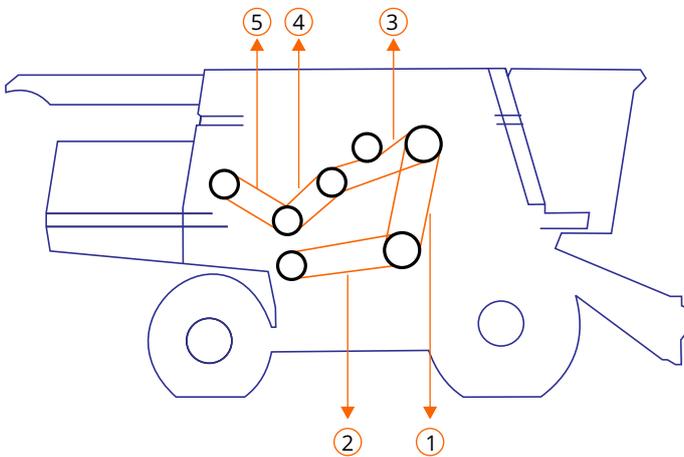
PIX-Agricultural Belts are designed to follow the international standard norms used by the original equipment manufacturers and are widely used in the replacement market and offer a trouble-free and zero-maintenance life.

PIX is an established name in Agricultural Belts. Agricultural Belts work in the most arduous environment and have to withstand adverse conditions while operating.



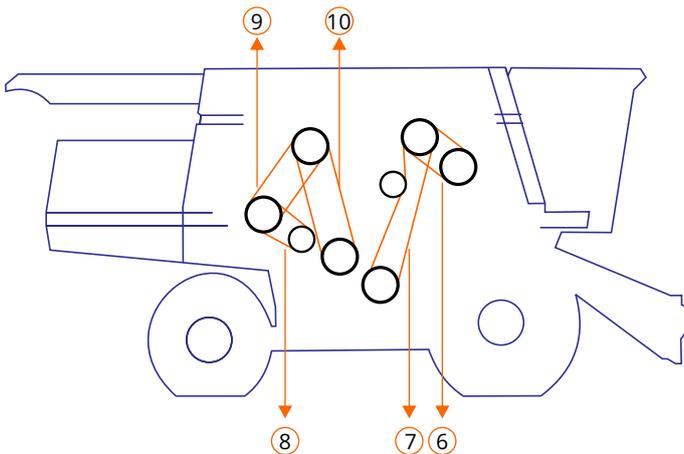
### Schematic illustrations

#### Belt drives on the RHS of a combine harvester



1. Engine to posi torque drive
2. Ground drive variator
3. Beater drive
4. Feeder drive
5. Header drive

#### Belt drives on the LHS of a combine harvester



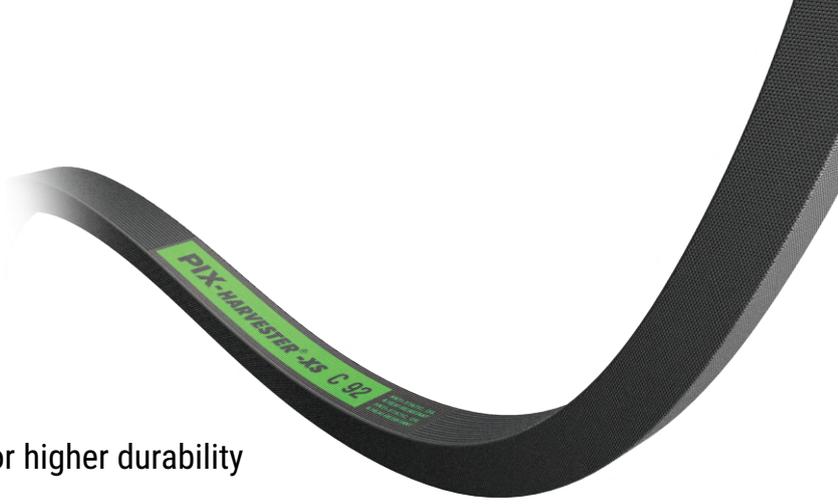
6. Compressor drive
7. Unloader drive
8. Dust drive
9. Thresher variator drive
10. Fan drive

PIX offers an extensive range of Harvester Belts that are designed to deliver maximum strength and stability on the toughest drives while delivering efficient power transmission with outstanding protection against heavy shock loads, abrasion, dust, oil, and ozone.



# PIX-Harvester® -XS

## Agricultural Wrapped Belts



### Features

- › Special CR treated outer jacketing fabric for higher durability
- › Anti-static, oil, and heat resistant
- › Maximum Belt linear speed (Classical section: Up to 30 m/Sec, Wedge section: up to 42 m/Sec, Narrow section: up to 45 m/Sec)
- › Temperature range: -18°C to +80°C

### Reference standards

BS 3790, BS 3733: 1974, ASAE S211.3 & 4

### Product range

Section	Dimensions			Min. Pulley Dia. (mm)	Manufacturing Range		Length Designation
	Top Width (mm)	Thickness (mm)	Angle (Degree)		Min.	Max.	
<b>Classical Section</b>							
AG-A	13.0	8.0	40	71.0	16"	357"	Li
AG-B	17.0	11.0	40	112.0	16"	926"	Li
AG-C	22.0	14.0	40	180.0	31"	927"	Li
AG-D	32.0	19.0	40	355.0	44.5"	928"	Li
<b>Wedge Section</b>							
AG-SPZ	10.0	8.0	40	63.0	479 mm	4000 mm	Lp
AG-SPA	13.0	10.0	40	90.0	576 mm	9113 mm	Lp
AG-SPB	17.0	14.0	40	140.0	1000 mm	23580 mm	Lp
AG-19	19.0	15.0	40	180.0	2253 mm	9137 mm	Lp
AG-SPC	22.0	18.0	40	224.0	1861 mm	23654 mm	Lp
<b>Narrow Section</b>							
AG-3V	9.7	8.0	40	63.0	19.5"	160"	La
AG-5V	15.8	13.5	40	140.0	48"	929"	La
AG-8V	25.4	23.0	40	335.0	101"	934"	La



# PIX-Harvester® -HXS

## Agricultural, Wrapped Banded Belts



### Features

- › High power transmission capacity than standard Belts
- › High strength tensile member with minimum elongation
- › Controlled radial and lateral run-out, facilitate smooth operation
- › Top curvature provides superior adhesion and accelerates the heat dissipation rate
- › Extended service life
- › Anti-static, oil, and heat resistant
- › Temperature range: -18°C to +80°C

### Reference standards

BS 3790, ASAE211-4

### Product range

Section	Dimensions			Pitch (mm)	Manufacturing Range		Length Designation
	Top width (mm)	Thickness (mm)	Angle (Degree)		Min.	Max.	
AG-HA	13.0	10.5	40	15.9	33"	255"	Li
AG-HB	17.0	14.5	40	19.0	43"	922"	Li
AG-HC	22.0	17.0	40	25.5	47"	923"	Li
AG-HSPZ	10.0	10.0	40	12.0	1180 mm	9080 mm	Lp
AG-HSPA	13.0	12.0	40	15.0	959 mm	4439 mm	Lp
AG-HSPB	17.0	17.0	40	19.0	1762 mm	10060 mm	Lp
AG-HSPC	22.0	22.5	40	25.5	1632 mm	23527 mm	Lp
AG-H3V	9.7	10.5	40	10.3	35"	239"	La
AG-H5V	15.8	16.5	40	17.5	50"	923"	La

Note: Aramid cord construction Belts are available upon request.



# PIX-Harvester<sup>®</sup>-VS

## Agricultural, Variable-speed Wrap Belts

### Features

- › Highly flexible, suitable for smaller diameter pulleys
- › High power transmission capacity than standard Belts
- › High tensile strength
- › Excellent performance under variable load conditions
- › Temperature range: -18°C to +80°C

### Reference standards

ISO 3410:1989 / BS 3733:1974, ASAE 211-3 & 4

### Product range

Section	Top width (mm)	Thickness (mm)	Angle (Degree)	Manufacturing Range		Length Designation
				Min. (mm)	Max. (mm)	
AG-HI	25.0	13.0	30	1162	6534	Le
AG-HJ	32.0	15.0	30	1225	8273	Le
AG-HK	38.0	18.0	30	1535	9205	Le
AG-HL	45.0	20.0	30	1650	6705	Le
AG-HM	51.0	22.0	30	1935	10132	Le



# PIX-Duo® -XS

Agricultural, Double-sided, Hexagonal Wrap Belts



## Features

- › Transmits power from both sides of the Belt
- › The center cord provides high tensile strength and low stretch
- › Special design provides excellent flexibility required in twin power drives
- › Enhanced product life
- › Temperature range: -18°C to +80°C

## Reference standards

BS 3733: 1974, ASAE 211-3 & 4

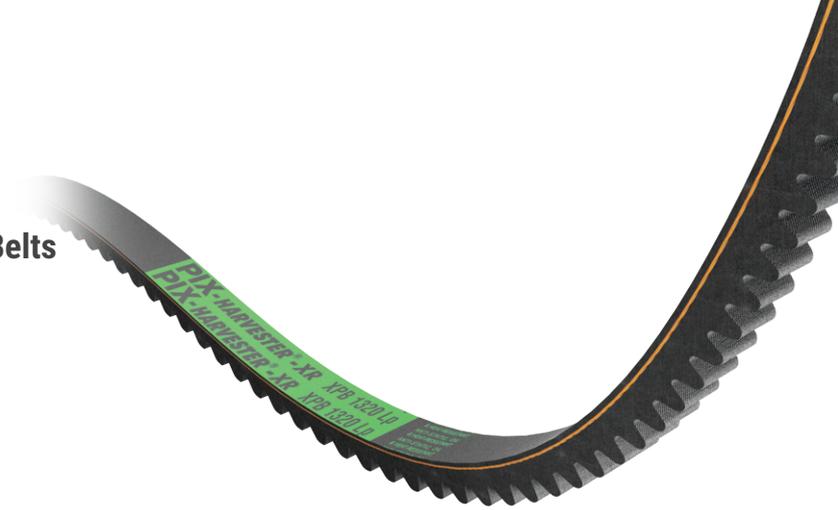
## Product range

Section	Dimensions			Min. Pulley Dia. (mm)	Manufacturing Range		Length Designation
	Top width (mm)	Thickness (mm)	Angle (Degree)		Min. (inch)	Max. (inch)	
AG-AA	13.0	10.0	40	80.0	46	254	Le
AG-BB	17.0	14.0	40	125.0	40	924	Le
AG-CC	22.0	17.0	40	224.0	73	924	Le
AG-25	25.0	22.0	40	280.0	88	925	Le
AG-DD	32.0	25.0	40	355.0	158	900	Le



# PIX-Harvester® -XR

## Agricultural, Moulded Raw Edge Cogged Belts



### Features

- › Higher power transmission capacity over standard Belts
- › Belts offer enhanced longitudinal flexibility due to specially designed cog profile
- › Suitable for drives using smaller diameter pulleys at higher RPM
- › Suitable for reverse bend drives
- › The unique combination of lateral rigidity, which reduces the dishing effect, offers improved power transmission
- › Anti-static, oil & heat resistant
- › Specially compounded for significant performance, under variable speed conditions
- › No bottom cracking/chipping is observed, as the Belt design is application-specific
- › Low Belt-stretch due to the high tensile strength cords used in the Belt
- › Temperature range: -25°C to +100°C

### Reference standards

BS 3790, BS 3733: 1974, ASAE S211.3 & 4

### Product range

Section	Dimensions			Recommended Minimum pulley Dia. (mm)	Manufacturing Range		Length Designation
	Top Width (mm)	Thickness (mm)	Angle (Degree)		Min.	Max.	
<b>Classical Section</b>							
AG-AX	13.0	8.0	36	63.0	21.5"	200"	Li
AG-BX	17.0	11.0	36	90.0	21.5"	200"	Li
AG-CX	22.0	14.0	36	140.0	23.5"	200"	Li
<b>Wedge Section</b>							
AG-XPA	13.0	10.0	36	71.0	550 mm	5000 mm	Lp
AG-XPB	16.3	14.0	36	112.0	550 mm	5000 mm	Lp
AG-XPC	22.0	18.0	38	180.0	600 mm	6300 mm	Lp
<b>Narrow Section</b>							
AG-3VX	9.7	8.0	38	56.0	21.5"	200"	La
AG-5VX	15.8	13.5	38	112.0	21.5"	200"	La

Note: Aramid cord construction Belts are available upon request.



## PIX-Spectra® -XR

Centre-corded, Extremely Flexible,  
Raw Edge Laminated Belts

### Features

- › Higher power rating compared to standard wrap Belts
- › Improved flexibility, and best suited for acute reverse bend drive or in twisted-drive applications
- › High tensile strength
- › Superior Belt life
- › Temperature range: -25°C to +100°C

### Reference standard

BS 3790

### Product range

Section	Top width (mm)	Thickness (mm)	Manufacturing Range		Length Designation
			Min. (inch)	Max. (inch)	
CC-AX	12.7	8.5	24	200	Li
CC-BX	15.5	11.0	24	200	Li
CC-CX	22.0	14.0	51	200	Li



# PIX-Harvester® -XV

Agricultural, Variable-speed,  
Moulded Raw Edge Cogged Belts

## Features

- › Specially designed for high-speed applications, using smaller diameter pulleys
- › Highly flexible and offers accelerated heat dissipation rate
- › Excellent performance under variable load conditions
- › Temperature range: -25°C to +100°C

## Reference standards

ISO 3410:1989 / BS 3733:1974, ASAE 211-3 & 4

## Product range

Section	Dimensions		Angle (Degree)	Manufacturing Range		Length Designation
	Top width (mm)	Thickness (mm)		Min. (mm)	Max. (mm)	
XHG	17.0	8.0	26	550	5000	Le
XHH	20.0	10.0	26	550	5000	Le
XHI	25.0	13.0	26	550	5000	Le
XHJ	32.0	15.0	26	750	5000	Le
XHK	38.0	18.0	26	750	5000	Le
XHL	45.0	20.0	26	750	5000	Le
XHM	51.0	22.0	26	750	5000	Le
XHN	57.0	24.0	26	750	5000	Le
XHO	64.0	25.0	26	750	5000	Le

Note: Aramid cord construction Belts are available upon request.



## PIX-Rice Harvester Belts

Rice harvesters have helped in significantly improving the productivity of rice harvesting, which in general is a highly labour-intensive process.

Given the extreme conditions that are characteristic of this application, the modern Rice Harvesters call for the Belts, to be extremely robust and reliable.

PIX-Rice Harvester Belts are specially engineered for the heavy-duty rice harvesting machines, equipped to reliably transmit power even in adverse conditions with higher efficiency.

The series comprises a host of products in Raw Edge Cogged and Wrapped construction-

PIX-Dominator<sup>®</sup>-XR

PIX-Enforcer<sup>®</sup>-XS

PIX-Valiant<sup>®</sup>-XS



## PIX-Dominator<sup>®</sup>-XR

High-power, High-strength, Moulded Raw Edge Cogged Belts

### Features

- › Superior high power transmission capacity
- › Aramid cord reinforcement for superior tensile strength
- › Lower elongation and slippage
- › Excellent performance under heavy shock load conditions
- › Superior lateral rigidity and longitudinal flexibility
- › Suitable for drives with small diameter pulleys
- › Suitable for heavy-duty and high speed applications
- › Anti-static, oil and heat resistant
- › Temperature range: -25°C to +100°C

### Reference standards

PIX proprietary

### Product range

Section	Top Width (mm)	Thickness (mm)	Manufacturing Range		Length Designation
			Min. (inch)	Max. (inch)	
RH10-BX	17.0	10.0	22	85	Lp
RH10-CX	22.0	11.0	22	85	Lp



## PIX-Enforcer® -XS

High-power, High-strength, Inversely Flexible Wrap Belts



PIX-ENFORCER®-XS RH80 B 54

### Features

- › Superior power transmission capacity over standard Belts
- › Specially treated outer fabric cover for high wear resistance
- › Specially coated Aramid cords offer enhanced adhesion strength and minimal elongation
- › Unique design in wrap construction profile offers the acute reverse bending property to the Belts facilitating smooth functioning over smaller diameter pulleys
- › Smooth and enhanced performance over variable load and the drives using reverse idlers
- › Suitable for shock-load drives
- › Extended temperature range: -25°C to + 100°C

### Product range

Section	Top Width (mm)	Thickness (mm)	Manufacturing Range		Length Designation
			Min. (inch)	Max. (inch)	
RH80-A	13.0	8.0	46	185	Lp
RH80-B	17.0	10.0	46	156	Lp
RH80-C	22.0	11.0	46	196	Lp



## PIX-Valiant® -XS

High-power, Inversely Flexible Wrap Belts



### Features

- › High power transmission capacity as compared to standard Belts
- › Unique design in wrap construction profile offers the acute reverse bending property to the Belt facilitating smooth functioning over smaller diameter pulleys
- › High tensile strength
- › Extended service-life
- › Extended temperature range: -25°C to + 100°C

### Product range

Section	Top Width (mm)	Thickness (mm)	Manufacturing Range		Length Designation
			Min. (inch)	Max. (inch)	
RHR2-A	13.0	8.0	46	185	Lp
RHR2-B	17.0	10.0	46	156	Lp
RHR2-C	22.0	11.0	46	196	Lp



## PIX-Carrot Harvester Belts

Carrot harvesters are top lifters, where Belts are used as a medium to transport the carrots that are pulled from the soil to the storage tank.

This application demands special construction Belts, offering high wear-resistance, considering the harsh field environment and the use of several mid-roller pulleys in the application.



## PIX-Extractor<sup>®</sup>-XS Carrot Harvester Belts

### Features

- › Unique top-profile design to lift/extract carrots from the field
- › High wear resistance outer fabric for longer service life
- › Superior adhesion to eliminate top-profile separation
- › Special rubber compound of high wear/tear and crack resistance
- › Ozone, water and heat resistance to minimise premature formation of cracks
- › High tensile strength with minimum elongation
- › Temperature range: -18°C to +80°C

### Product range

Section	Top Width (mm)	Thickness (mm)	Pattern Height (mm)	Angle (Degree)	Manufacturing Range		Length Desig.
					Min. (inch)	Max. (inch)	
PT7-D (32x26)	32.0	26.0	7.0	40	142	924	Li
PT7-37 (37x25)	37.0	25.0	7.0	40	116	371	Li



## PIX-Tractor Belts

Tractor is a highly sophisticated multi-utility agrarian vehicle, which is designed to deliver higher torque levels at a lower speed.

PIX-Tractor Belts are uniquely designed to facilitate optimum power transmission from the engine to the equipment, they are designed to deliver optimum efficiency at higher levels of torque and at intermittent speed levels.



## PIX-Force®

### Automotive, Moulded Raw Edge Cogged Belts

#### Features

- › Best suited for next-generation, high-speed engines
- › Cog profile offers enhanced flexibility and accelerated heat dissipation rate
- › Higher power transmission capacity, best suited for smaller diameter pulleys
- › Specially treated tensile cords offer superior strength and minimal stretch
- › Compounded for better grip and lateral rigidity
- › Excellent resistance to oil and heat
- › Suitable for HEMM (Heavy earthmoving machinery) applications
- › Temperature range: -45°C to +120°C

#### Reference standards

BS ISO-5287, DIN 7753-3, SAE J 636, JASO E 107

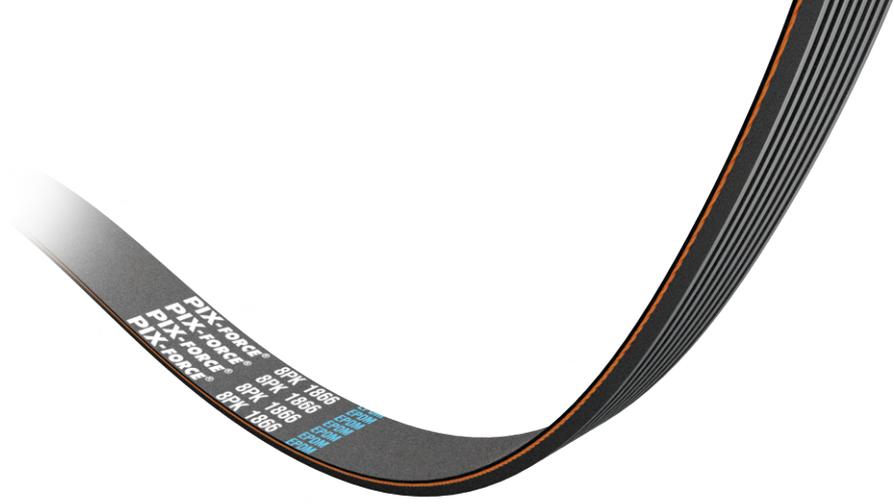
#### Product range

Section	Top Width (mm)	Thickness (mm)	Angle (Degree)	Manufacturing Range		Length Designation
				Min. (mm)	Max. (mm)	
X9.5 / AVX10	10.0	8.0	36	550	5000	La
X12.5 / AVX13	13.0	10.0	36	550	5000	La
X10A	10.5	8.0	36	550	5000	Le
X11A	11.5	8.0	36	550	5000	Le
X13A	13.5	9.0	36	550	5000	Le
X15A	17.0	10.5	38	550	5000	Le
X17A	18.5	11.0	36	550	5000	Le
X20A	21.5	12.5	36	550	5000	Le



# PIX-Force®

## Automotive, Ribbed / Poly-V Belts



### Features

- › Special EPDM high compression compound for enhanced dimensional stability, minimal vibrations and reduced noise levels
- › Enhanced performance in extreme temperature conditions because of special thermal resistance compound, where the temperature fluctuates from -35°C to +130°C
- › Special fibre-loaded compound offers enhanced product life
- › High power-rated Belts for improved performance over higher load and speed conditions
- › Oil and heat resistant, suitable for HEMM applications
- › Superior ozone, steam, water and acid resistance to minimise early ageing and crack formation

### Reference standards

ISO 9981, RMA IP 26

### Product range

Section	Thickness (mm)	Rib Pitch (mm)	Min. Pulley Dia. (mm)	Manufacturing Range		Length Designation
				Min. (mm)	Max. (mm)	
PK	4.5	3.56	45	280	5000	Le
DPK	7.0	3.56	50	1195	3255	Le

### Service Equipment



PIX-Service Kit



PIX-X'Align® Laser-guided Pulley Alignment Tool



PIX-Digital Tension Meter



PIX-Tension Tester



PIX-Mobile app



PIX-Belt Length Measurer



PIX-Pulley Gauges



PIX Pulley Gauge for Banded V-Belt drives



PIX-Pentagon (Poly-V Belt Wear Gauge)



PIX-Pentagon (Timing Belt Gauges)



PIX-Belt Profile Gauge



PIX-X'slit (Belt Cutting Machine)



## PIX at a Glance..

- Fastest emerging global player in the mechanical power transmission products
- Over five decades of expertise of manufacturing quality products
- Strong global brand identity
- Distribution network in over 100 countries
- Global product approvals, quality management systems
- Global presence, subsidiary operations in U.K., Germany and UAE
- State-of-art infrastructure for the development, manufacturing and testing of products
- Dedicated and committed R&D team

IATF 16949:2016	ISO 9001:2015	ISO 14001:2015	ISO 45001:2018
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### Corporate Office



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