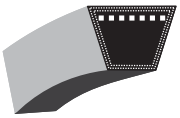
# PIX- AUTOMOTIVE BELTS

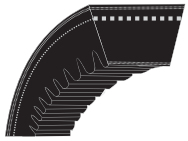
## PIX- FORCE® AUTOMOTIVE WRAP BELTS



| Section | Top Width (mm) | Thickness (mm) | Angle (Degree) | Manufacturing Range (mm) Min. | Max. | Length Designation |
|---|---|---|---|---|---|---|
| 9.5 / AV 10 | 9.50 | 8.0 | 40 | 375 | 4010 | La |
| 12.5 / AV 13 | 12.50 | 10.0 | 40 | 588 | 9130 | La |

Features:
- Excellent performance
- Abrasion resistant and offers smooth running
- Made up of high tensile polyester cord which enables maximum power transmission
- Less deformation
- Minimum elongation
- Temperature range: -18°C to +80°C
- Conforms to BS AU 150b, SAE J 636, JASO E 107

## PIX- FORCE® AUTOMOTIVE RAW EDGE COGGED BELTS



| Section | Top Width (mm) | Thickness (mm) | Angle (Degree) | Manufacturing Range (mm) Min. | Max. | Length Designation |
|---|---|---|---|---|---|---|
| X9.5 / AVX10 | 10.0 | 8.0 | 36 | 600 | 5100 | La |
| X12.5 / AVX13 | 13.0 | 10.0 | 36 | 600 | 5100 | La |
| X10A | 10.5 | 8.0 | 36 | 600 | 3000 | Le |
| X11A | 11.5 | 8.0 | 36 | 600 | 3000 | Le |
| X13A | 13.5 | 9.0 | 36 | 600 | 3000 | Le |
| X15A | 17.0 | 10.5 | 38 | 600 | 3000 | Le |
| X17A | 18.5 | 11.0 | 36 | 600 | 3000 | Le |
| X20A | 21.5 | 12.5 | 36 | 600 | 3000 | Le |

* Available in high temperature EPDM construction also

Features:
- Best suited for next-generation high speed engines
- Cogged profile offers higher flexibility
- Offers higher power transmission on smaller pulley diameters
- Engineered and chemically treated modulus & low stretch tensile cords for higher loads without stretch
- Compounded for better grip and lateral rigidity
- Excellent resistant to oil and heat
- Suitable for HEMM (Heavy earth-moving machinery) applications
- Conforms to BS AU 150b, SAE J 636, JASO E 107
- Temperature range: -25°C to +100°C

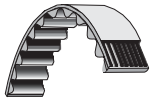
## PIX - FORCE® AUTOMOTIVE RIBBED BELTS

| Section | Thickness (mm) | Rib Pitch (mm) | Min. Pulley Dia. (mm) | Manufacturing Range (mm) Min. | Max. | Length Designation |
|---|---|---|---|---|---|---|
| PK | 4.5 | 3.56 | 50 | 280 | 5080 | Le |

* Available in high temperature EPDM construction also

Features:
- Trapezoid faced ribs on a fibre reinforced rubber matrix for higher power transmission offering good resistance to wear and tear, facilitating quiet running
- Reduced vibrations, shock absorber, low stretch and an excellent behaviour under heavy load conditions
- Extremely flexible, capable to work on small pulley diameters and serpentine drives
- Oil and heat resistant, longer service life, suitable for HEMM applications
- Conforms to ISO 9981, 9982, RMA IP 26 standards
- Temperature range: -25°C to +100°C

## PIX- FORCE® AUTOMOTIVE TIMING BELTS



| Section | Pitch (mm) | Tooth Height (mm) | Belt Thickness (mm) | Manufacturing Range |
|---|---|---|---|---|
| ZA | 9.525 | 1.91 | 4.10 | 88 ZA, 104 ZA, 111 ZA |
| ZB | 9.525 | 2.29 | 4.50 | 137 ZB |
| ZH | 9.525 | 3.50 | 5.50 | 89 ZH, 97 ZH, 129 ZH, 138 ZH, 153 ZH |
| PR | 9.525 | 3.45 | 5.50 | 136 PR |
| PRM | 9.525 | 3.37 | 5.50 | 97 PRM, 123 PRM, 124 PRM |
| PRP | 9.525 | 3.50 | 5.50 | 177 PRP, 185 PRP |
| YU | 8.000 | 3.02 | 5.20 | 101 YU, 106 YU, 107 YU, 109 YU, 115 YU |

* Available in high temperature HSN construction also.

Features:
- Trapezoidal tooth design for sections ZA, ZB and curvilinear tooth design for other sections
- Precisely formed and accurately spaced teeth ensure smooth engagement with pulley grooves
- Fibre glass tensile cords provide strength, excellent flex life and high resistance to elongation
- Durable backing protects against environmental pollution and friction wear
- Tough nylon surface protects the tooth surface
- Conforms to ISO 9010 / JASO E 105
- Temperature range: -25°C to +100°C

- **Li** = belt **inner length**
- **La** = belt **outer length**
- **Ld** = belt **working length** (Ld = Lw)
- **Le** = belt **effective length**

# PIX-Automotive Belts

PIX offers an extensive range of Automotive Belts fulfilling the power transmission requirements of engines used in all the means of transport such as surface, water and air.

PIX-Automotive Belts are specially designed to offer superior performance over high-speed, high-torque next-gen engines and essentially meets the parameters such as-

1. Higher flexibility
2. Low noise
3. High temperature resistance
4. Longer service-life
5. Resistance to harsh weather conditions

PIX Automotive Belts are available in Moulded Raw Edge Cogged, Poly-V and Timing Belt constructions. They are designed to achieve enhanced performance, compactness, reliability, consistency and a longer service-life.

## PIX-Force®

**Automotive, Moulded Raw Edge Cogged Belts**


### Construction


1. Specially designed top-fabric offers high resistance to wear and formation of cracks
2. Specially treated polyester cords ensure minimal stretch
3. Special thermal resistance adhesion compound for improved dynamic adhesion performance
4. Fiber-loaded compression compound for enhanced power transmission and dimensional stability
5. Moulded cog profile for superior flexibility and heat dissipation

# PIX-Force®

**Automotive, Moulded Raw Edge Cogged Belts**

## Features & benefits

- Best suited for next-generation, high speed engines
- Cog profile offers enhanced flexibility and heat dissipation rate
- Higher power transmission capacity, best suited for smaller diameter pulleys
- Engineered and chemically treated modulus & low stretch tensile cords for higher loads, without stretch
- Compounded for better grip and lateral rigidity
- Excellent resistance to oil and heat
- Suitable for HEMM (Heavy earth moving machinery) applications
- Temperature range: -25°C to +100°C and -45°C to +120°C in case of EPDM Belts

## Product range

| Section | Top Width (mm) | Thickness (mm) | Angle (mm) | Mfg. Range | | Unit of Measurement | Length Designation |
|---|---|---|---|---|---|---|---|
| | | | | Min. | Max. | | |
| X9.5 / AVX10 | 10.0 | 8.0 | 36 | 550 | 5100 | mm | La |
| X12.5 / AVX13 | 13.0 | 10.0 | 36 | 550 | 5100 | mm | La |
| X10A | 10.5 | 8.0 | 36 | 550 | 5100 | mm | Le |
| X11A | 11.5 | 8.0 | 36 | 550 | 5100 | mm | Le |
| X13A | 13.5 | 9.0 | 36 | 550 | 5100 | mm | Le |
| X15A | 17.0 | 10.5 | 38 | 550 | 5100 | mm | Le |
| X17A | 18.5 | 11.0 | 36 | 550 | 5100 | mm | Le |
| X20A | 21.5 | 12.5 | 36 | 550 | 5100 | mm | Le |

## Reference standards

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

## Application

Automotive engines, alternators, compressors, water pumps, fans, power-steering pumps, etc.

# PIX-Force®-HXR

**Automotive, EPDM, Moulded Raw Edge Cogged Banded Belts**