

POLYURETHANE TIMING BELTS

TOOTH PROFILES

T-Series



page 20 - 29

Standard timing belt for conveying and moderate power transmission applications

- Manufactured to DIN 7721
- Flexible for back bending applications
- Used for profiled belts with metric profile spacing
- Wide range of pitch sizes (2.0 mm to 20.0 mm)
- Wide range of belt widths (up to 150 mm)
- Bifilar tension member design for true tracking

AT-Series



page 30 - 37

High strength timing belt for power transmission and high accuracy positioning applications

- High strength tension members (up to twice as strong as standard T-Series and Imperial pitch belts)
- Increased tension member spring rate for better repeatability and reduced settling time
- High tooth shear strength (up to 45% higher than standard T-Series and Imperial pitch belts)
- Reduced backlash (zero backlash pulleys available for highest accuracy)
- Bifilar tension member design for true tracking

REDFLEX GEN III-Series



page 38 - 41

Highest strength timing belt available utilizing advanced materials for demanding power transmission applications

- More densely wound bifilar tension members for true tracking, up to 40% more tensile strength than AT-Series
- Increased tension member spring rate for better repeatability and reduced settling time
- High performance polyurethane for up to 60% higher tooth shear strength and improved service life
- Temperature range up to 100°C
- Used with standard AT-Series pulleys
- Available in AT3, AT5, AT10 and ATP10

ATN-Series



page 42 - 44

Most advanced profile timing belt system utilizing molded belt cavities and specially designed inserts allowing profiles to be mechanically fastened

- Quick and easy profile change (variable profile pitch)
- Various profile materials can be utilized
- No belt disassembly necessary to change profiles
- Connecting kit available for field assembly
- ATN components available in nylon, brass, stainless steel
- Alternative to chain with the advantages of a timing belt

POLYURETHANE TIMING BELTS

TOOTH PROFILES

ATL-Series



page 45 - 47

Special linear drive belt designed for the highest accuracy

- Predictably negative belt length tolerance to allow near perfect length tolerance after proper pretensioning
- Larger tension members than AT-Series for the highest tensile strength and spring rate for better repeatability and reduced settling time
- Used with standard AT-Series pulleys (zero backlash pulleys available for highest accuracy)
- Bifilar tension member design for true tracking
- Available in ATL5, ATL10, ATL20

ATP-Series



page 48 - 49

Specially designed power transmission belt available for replacement and existing OEM equipment

- High tooth shear strength from modified tooth design
- More uniform stress distribution
- Noise reduction
- Available in ATP10 and ATP15

Imperial-Series



page 50 - 59

Standard timing belt for driving and conveying applications

- Manufactured to ANSI/RMA standard
- Used for profiled belt applications with inch based profile spacing
- Upgrade neoprene belts to high performance polyurethane belts without replacing pulleys
- Wide range of pitch sizes (MXL, XL, L, H, XH)

Self-Tracking-Series



page 60 - 77

Self-tracking timing belt with center guide

- No pulley flanges necessary
- Suitable for side loading
- Tracking guides available in K6 and K13
- Timing belts available in most pitches with molded, homogeneous, serrated guides for the best belt performance and flexibility
- Solid tracking guides can be added to any belt in all pitches

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TOOTH PROFILES

ARC-Power Self-Tracking-Series



page 78 - 81

Revolutionary Arc shaped tooth timing belt represents the most unique and efficient timing belt available

- No pulley flanges necessary
- Smooth tooth engagement – Arc shaped belt teeth are continuously engaging
- Reduced polygonal effect for less vibration
- Reduced noise level
- No lateral movement for high efficiency
- Designed with high strength AT tooth profile
- Bifilar tension member design for true tracking

SFAT Self-Tracking-Series



page 82 - 87

Split tooth timing belt design for high power, bidirectional self-tracking applications

- No pulley flanges necessary
- Designed with high strength AT tooth profile
- Increased tension member spring rate for better repeatability and reduced settling time
- Used with SFAT pulleys
- Bifilar tension member design for true tracking
- Available in SFAT10, SFAT15 and SFAT20

Double Sided Series



page 88 - 98

Double sided timing belt transmits power on both sides

- Offset tooth design reduces polygonal effect and stress concentration
- Flexible tension members for long service life (Hi-Flex cables available for extreme bending)
- Available in T, AT, Imperial and Self-Tracking
- BRECOFLEX truly endless available up to 22 meters for high speed, high power
- BRECO V spliced and welded endless available up to 50 meters

HTD-Series



page 99 - 104

HTD belting offered with the benefits of advanced polyurethane and steel tension members

- Manufactured to ANSI/RMA standard
- Upgrade neoprene power transmission belts with truly endless high performance polyurethane timing belts (HTD 8M) without replacing pulleys
- High Power (HP) open ended belting with high strength, and high spring rate used for linear drives – 3M, 5M, 8M, 14M
- High Flex (HF) spliced and welded endless belts for conveying and moderate power transmission applications

POLYURETHANE TIMING BELTS

TOOTH PROFILES

STD-Series



page 105 - 106

STD belting offered with the benefits of advanced polyurethane and steel tension members

- Manufactured to ANSI/RMA standard
- High Power (HP) open ended belting with high strength and high spring rate used for linear drives – S5M, S8M
- 30 meter rolls standard

Other Timing Belts



page 107 - 125

Special pitch polyurethane timing belts available for:

- Current designs
K1, K1.5
- Replacement on older machines
single sided: AR, BR, CR, DR, V
double sided: AR-DL, CR-DL, DR-DL, V-DL

Supported Polyurethane Flat Belt Series



page 126 - 133

Polyurethane flat belt steel reinforced for conveying

- Alternative to standard flat belts
- High spring rate and high tensile strength
- Wear and abrasion resistant polyurethane for longer service life
- Available in 1, 2, 3 and 6 mm

FERROPAN Polyurethane V-Belt Series



page 134 - 135

Polyurethane V belt steel reinforced for conveying

- Reinforcement improves spring rate and strength
- Wear and abrasion resistant polyurethane for longer service life
- Ideal for long length conveying applications