

## Product Range

Power Transmission Products  
for the Industry

Power Transmission Group



## Continental - Dual Duty Taper Bush Pulleys



- Standard range of metric pulleys conforming to ISO / IS groove specifications and run out tolerances.
- Dual duty grooves to accommodate Classical - V belts of sections A, B, C & Z as well as Wedge belts of sections SPA, SPB, SPC & SPZ.
- Over 800 standard sizes to cater to all speed ratios up to 1:7 and powers up to 250 kW approx., fitted with Taper Bushes with the advantages of easy fixing and removal.
- Taper Bush Pulleys incorporate high strength material to give optimum mass/strength ratio and are produced on CNC machines to give accuracy and consistency.
- Continental pulleys use close grained Cast Iron conforming to Grade FG - 200 of IS : 210 and are precision machined to close tolerances.
- Tailor made through bored Pulleys for use with D & E section belts and with grooves more than 8 in SPB, SPC sections available on demand for applications involving higher powers.

## Continental - Jaw Couplings



- Compact & economical general purpose flexible couplings.
- The Nitrile rubber insert suitable for use in all conditions, unaffected by moisture, grease & oils to withstand temperatures of - 40°C to +100°C. Polyurethane inserts also available optionally for the entire range
- Standard range of couplings covers power ratings from 1.45 kW to 39.75 kW at 1440 rev/min and shaft sizes from 9 mm to 60 mm.
- Available with standard spiders and external fitting Snap Wrap elements. External Snap Wrap elements allow inspection or change of elements without dismantling the couplings from the shafts.
- Spacer versions using standard Cast Iron spacers or light weight Aluminium spacers enable maintenance of Pumps without disturbing the alignment or moving the driving and driven machine. Aluminium spacer couplings have two external elements for added flexibility.
- They have angular mis-alignment capacity up to 1° and parallel mis-alignment capacity up to 0.4 mm depending on the size of the coupling.

### Continental - Gear Couplings



- All Steel flexible geared couplings for high power & high torque applications in industries.
- Backlash values chosen to accommodate angular, parallel & axial misalignments.
- Available in 12 sizes for kW ratings up to 1700 per 100 rev/min and bore sizes up to 300 mm for the standard range. Bigger sizes for ratings up to 16000 kW at 100 rev/min available on demand.
- Teeth **induction hardened** for long life in most arduous applications.
- Suitable for Grease & Oil lubrication with 'O' rings for sealing.

### Continental - Pin Bush Couplings



- Flexible Couplings for high torque applications using high tensile steel pins and Nitrile rubber bushes.
- Range of 20 sizes with torque ratings up to 24,000 Nm (Power ratings up to 250 kW at 100 rev / min).
- Available for shaft sizes from 12.7 mm to 180 mm.
- Capable of absorbing shock loads, torsional vibrations and some amount of misalignments.

### Continental - Tyre Couplings



- Continental Tyre Couplings embody all desirable features of an ideal flexible coupling.
- Backlash free, torsionally soft, accommodates combinations of Parallel, Angular & Axial displacements.
- Highly flexible reinforced tyre not only carries the torque, but also dampens vibrations and torsional oscillations.
- Available with Standard Tyres in high performance compound or Chloroprene Rubber Tyres for heat and oil resistant applications.
- Range of 14 sizes with power ratings up to 57 kW at 100 rev / min to accommodate shafts up to 150 mm.

# CONTI-V®

## Wrapped V-belts

for demanding drives in all sectors of machine engineering,  
classic according to DIN 2215, narrow according to DIN 7753

### Classic



### Narrow



Fabric jacket

Natural rubber

Polyester tension member

#### Profile

10Z  
13A  
17B  
22C  
32D  
40E

#### Profile

5PZ / 3V  
5PA  
5PB / 5V  
5PC  
6V

#### Properties:

- ▶ conditionally resistant to oil
- ▶ temperature range from -55°C to +70°C
- ▶ electrically conductive to ISO 1813
- ▶ dust-proof
- ▶ suitable for tropical climates

# CONTI-V® FO

## Raw-edge V-belts

for demanding drives,  
according to DIN 2215

### Classic



Synthetic rubber bottom section

Embedding compound

Polyester tension member

Cotton cover fabric

#### Profile

AX  
BX  
CX

#### Properties:

- ▶ conditionally resistant to oil
- ▶ temperature range from -30°C to +80°C
- ▶ electrically conductive to ISO 1813
- ▶ dust-proof
- ▶ suitable for tropical climates

# CONTI-V® FO ADVANCE

## Transversely stiff raw-edge heavy-duty V-belts

for powerful, sustained power transmission with enhanced running smoothness according to DIN 7753

### Narrow



Fibre-reinforced synthetic rubber bottom section

Embedding compound

Polyester tension member

Cotton cover fabric

#### Profile

XPZ / 3VX  
XPA  
XPB / 5VX  
XPC

#### Properties:

- ▶ conditionally resistant to oil
- ▶ temperature range from -30°C to +80°C
- ▶ electrically conductive to ISO 1813,
- ▶ dust-proof
- ▶ suitable for tropical climates

# CONTI-V® MULTIBELT

## Banded V-belts

for drives with major load changes

### MULTIBELT



Fabric jacket

bottom section Natural rubber

Polyester tension member

backing Natural rubber

#### Profile

A/HA  
B/1-B  
C/1-C  
SPZ  
SPA  
SPB  
SPC

#### Properties:

- ▶ conditionally resistant to oil
- ▶ electrically conductive to ISO 1813
- ▶ suitable for tropical climates
- ▶ temperature range from -40°C to +80°C

# CONTI-V® MULTIRIB

## V-ribbed belts

according to DIN 7867, for high gear ratios, high belt speeds, small pulley diameters and back-tension rollers

### MULTIRIB



Synthetic rubber ribs

Embedding compound

Polyester tension member

Polyamide cover fabric

#### Profile

PJ  
PK  
PL  
PM

#### Properties:

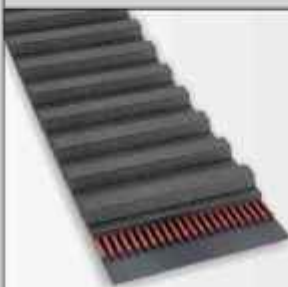
- conditionally resistant to oil
- temperature range from -30°C to +80°C
- electrically conductive to ISO 1813
- suitable for tropical climates

# CONTI® SYNCHROBELT

## Timing belts

for the lower and medium power range

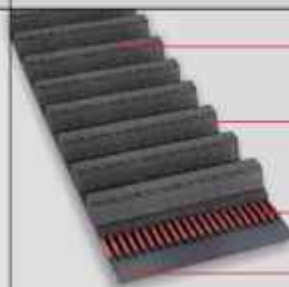
### MXL - XXH



### HTD



### STD



Polyamide fabric

Polychloroprene teeth

Tension member glass cord

Synthetic rubber backing

#### Profile

MXL  
XL  
L  
H  
XH  
XXH

#### Profile

3M  
5M  
8M  
14M

#### Profile

S2M

#### Properties:

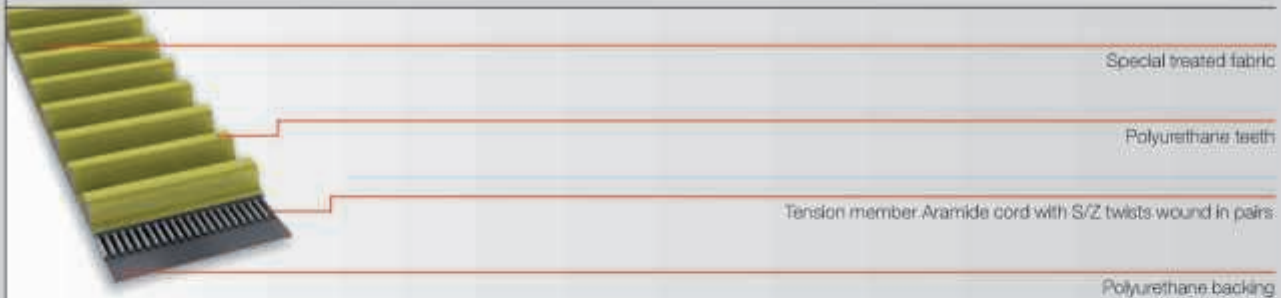
- conditionally resistant to oil
- temperature range, depending on application, from -20°C to +100°C
- suitable for tropical climates
- resistant to aging and ozone

# CONTI® SYNCHROCHAIN

## Heavy-duty timing belt

for extreme, ultra high-power applications

### CTD



#### Profile

C8M  
C14M

#### Properties:

- ▶ temperature range, depending on application, from -40°C to +80°C
- ▶ suitable for tropical climates
- ▶ resistant to aging and ozone
- ▶ withstands reverse flexing
- ▶ resistant to oils, grease and fuel
- ▶ conditionally resistant to acid and lye
- ▶ raw materials and production are silicone free

# CONTI® SYNCHRODRIVE

## Open-ended polyurethane timing belts

For material flow, linear and transport technology, entry systems

### HTD



#### Profile

3M  
5M  
8M  
14M

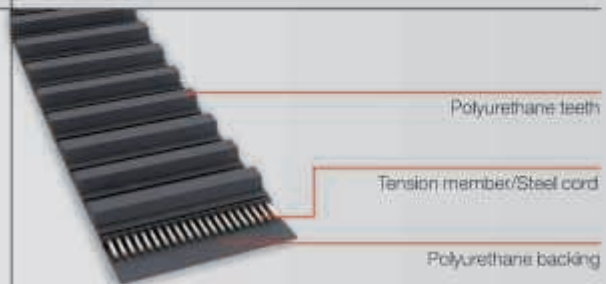
### STD



#### Profile

S3M  
S5M  
S8M

### XL-H



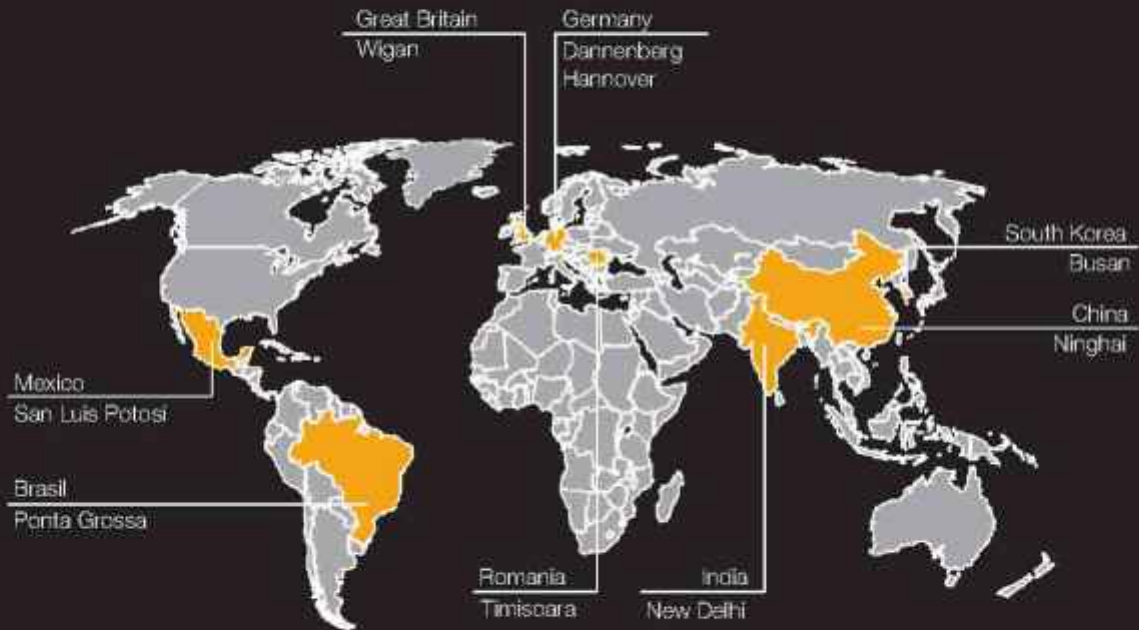
#### Profile

XL  
L  
H

#### Properties:

- ▶ wear-resistant
- ▶ oil- and grease-resistant
- ▶ resistant to fuel and benzene
- ▶ hydrolysis-resistant
- ▶ resistant to UV and ozone
- ▶ temperature range from -30°C to +80°C
- ▶ can be welded with thermoplastics
- ▶ raw materials and production are silicone free

## Power Transmission Group - Production Plants Worldwide



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