



Textile conveyor belts

Conveyor Belt Group

Textile Conveyor Belts

Properties/Quality values of covers

| General Purpose Belts | | | | | | | | |
|-----------------------|---|---------------------------|----------------------------|-------------------------------|----------------|--------------|----------------|--|
| Type | Standard | Tensile Strength MPa min. | Ultimate elongation % min. | Abrasion mm ³ max. | Basic material | Hardness °Sh | Temp. range °C | Application |
| N | DIN 22102 Z ISO 10247 L BS 490 N 17 | 17 | 400 | 150 | SBR | 60±5 | -35 to +70 | Abrasion resistant belt suitable for conveying abrasive bulk and lumpy materials for normal service conditions. |
| W | DIN 22102 W ISO 10247 D DIN 22102 R | 18 | 400 | 80 | NR/BR | 60±5 | -55 to +70 | Wear resistant belt recommended for highly abrasive bulk materials. It can be operated at a continuous low temperature. |
| MVF | | 18 | 450 | 60 | NR/BR | 60±5 | -55 to +70 | Super wear resistant belt recommended for extremely abrasive bulk and/or lumpy materials for heavy duty service conditions. |
| Y | DIN 22102 Y | 20 | 400 | 150 | SBR | 60±5 | -40 to +70 | Abrasion resistant belt suitable for conveying heavy, lumpy materials for normal service conditions. |
| WX | | 21 | 400 | 80 | NR/BR | 60±5 | -55 to +70 | Special wear resistant belt with increased tensile strength. Recommended for conveying highly abrasive bulk materials. It can be operated at a continuous low temperature. |
| X | DIN 22102 X ISO 10247 H BS 490 M 24 | 25 | 450 | 120 | NR/BR | 60±5 | -50 to +70 | Highly abrasion resistant belt suitable for conveying heavy, sharp and large-sized materials. |

| Heat Resistant Belts | | | | | | | | |
|----------------------|----------|----|-----|-----|-----|------|-------------|---|
| MAGMA | ISO 4195 | 15 | 400 | 150 | SBR | 60±5 | -35 to +150 | Suitable for carrying hot loads continuously at a temperature up to 150°C. |
| MAGMA SUPER | | 10 | 400 | 150 | EPM | 60±5 | -45 to +180 | Suitable for carrying hot loads continuously at a temperature up to 180°C and, for a short time, up to 220°C. |



Oil Resistant Belts

| Type | Standard | Tensile Strength MPa min. | Ultimate elongation % min. | Abrasion mm ³ max. | Basic material | Hardness °Sh | Temp. range °C | Application |
|-------|---|---------------------------------|----------------------------------|-------------------------------------|-------------------|-----------------|-------------------|--|
| MOR | DIN 22102 G | 15 | 450 | 160 | NBR/ SBR | 60±5 | -20 to +70 | Moderately oil resistant. Suitable for materials containing animal fat or vegetable oil. Swelling in IRM 903 oil (20°C, 21 day) max. +20 %. |
| PITCH | DIN 22102 G | 15 | 450 | 200 | NBR/ BR/ IR | 58±5 | -25 to +60 | Suitable for materials containing pitch and turpentine. Swelling in turpentine (20°C, 24 hours) max. +70 %, in IRM 903 (20°C, 21 day) max. +25%. |
| COR | DIN 22102 G | 15 | 450 | 160 | NBR/ SBR | 60±5 | -20 to +70 | Moderately oil resistant cover and skim coat. Suitable for materials containing animal fat or vegetable oil. Swelling in IRM 903 oil (20°C, 21 day) max. +20 %. |
| KG | DIN 22102 K ISO 433 K DIN 22102 G | 15 | 350 | 200 | CR/ SBR/ BR | 63±5 | -20 to +70 | Fire resistant and moderately oil resistant cover, normal skim coat. Suitable for using in grain silos or conveying materials containing vegetable oil in areas with fire danger. Swelling in IRM 903 oil (20°C, 21 day) max. +50 %. |
| SG | DIN 22102 S ISO 433 S DIN 22102 G | 15 | 350 | 200 | CR/ SBR/ BR | 63±5 | -20 to +70 | Fire resistant and moderately oil resistant belt. Suitable for using in grain silos or conveying materials containing vegetable oil in areas with fire danger. Swelling in IRM 903 oil (20°C, 21 day) max. +50%. |
| OR | DIN 22102 G | 12 | 300 | 200 | NBR | 60±5 | -20 to +100 | Highly oil resistant belt. Suitable for materials containing mineral oil. Swelling in IRM 903 oil (20°C, 21 day) max. ±3 %. |

Acid Resistant Belt

| | | | | | | | | |
|--------|--|----|-----|----|-----------|------|------------------|--|
| MVF-AR | | 18 | 400 | 60 | BR/ NR | 60±5 | -55 to +70 | Super wear resistant and acid resistant belt recommended for extremely abrasive bulk and/or lumpy materials for heavy duty service conditions. |
|--------|--|----|-----|----|-----------|------|------------------|--|



Fire Resistant Belts

| Type | Standard | Tensile Strength MPa min. | Ultimate elongation % min. | Abrasion mm ³ max. | Basic material | Hardness °Sh | Temp. range °C | Application |
|--------|--|---------------------------|----------------------------|-------------------------------|-------------------|--------------|------------------|---|
| YK | DIN 22102 K ISO 433 K | 20 | 400 | 150 | SBR/ BR | 60±5 | -35 to +60 | Belt suitable for conveying materials in fire and explosion hazardous areas. |
| YS | DIN 22102 S ISO 433 S | 20 | 400 | 150 | SBR/ BR | 60±5 | -20 to +60 | Belt suitable for conveying materials in fire and explosion hazardous areas. |
| vt | DIN 22109/4 vt MSZ 14-01021 | 15 | 350 | 200 | CR/ BR/ SBR | 65±5 | -15 to +70 | Self-extinguishing conveyor belt. Suitable for carrying inflammable materials. |
| VU | | 13 | 350 | 200 | CR/ BR/ SBR | 65±5 | -15 to +70 | Belt with certificate for the Ukraine market suitable for conveying inflammable materials or materials in areas with fire danger. |
| UTS | DIN EN 14973 Class A and B2 | 15 | 350 | 200 | CR/ BR/ SBR | 65±5 | -15 to +70 | Self-extinguishing conveyor belt. Suitable for carrying inflammable materials. |
| FRS | DIN EN 12882 1, 2A, 2B, 3A, 3B, 4A, 4B, 5A | 15 | 350 | 200 | CR/ BR/ SBR | 65±5 | -15 to +70 | Self-extinguishing conveyor belt. Suitable for carrying inflammable materials. |
| FRS/2A | DIN EN 12882 1, 2A | 20 | 400 | 150 | SBR/ BR | 60±5 | -35 to +60 | Belt suitable for conveying materials in fire and explosion hazardous areas. |
| FRS/2B | DIN EN 12882 1, 2B | 20 | 400 | 150 | SBR/ BR | 60±5 | -20 to +60 | Belt suitable for conveying materials in fire and explosion hazardous areas. |

Special Belts

- ROUGH-TOP** These belts can be used for conveying goods packed in cardboard, plastic and paper. The slope angle can be increased up to 25°-40°. Cover quality: N or Y.
- SLIP** Suitable for installations where the idlers in the top part are replaced by slider plates made of metal, plastic or wood.
- ARAMID BELT** The aramid belt is available for special applications which demand a combination of low elongation, low weight and high strength. Its tension carriers consist of aramid cords. Cover quality: general (W, Y, X) or fire resistant.
- FLEXIMAT BELT** Special belts with Bekaert steel cord fabric instead of textil plies. Depending on the application it can be produced with general, heat resistant or oil resistant cover.
- PIPE BELT** Pipe Belt's important advantages are protection of the conveyed material from environmental influences as well as protection of the environment by avoiding discharge of the conveyed material. Cover quality general, oil-, fire-, or heat resistant.
- CROSS RIGID BELT** Cross rigid belts can be used as a base-belt for belts with sidewalls, cleats or buckets.

Textile Conveyor Belts

| | | |
|------------------|---|-----------------------|
| Carcasses | EP, PA, PP, EE | |
| Tensile strength | max. 3150 N/mm | |
| Width | Moulded edge max. 1830 mm | Cut edge max. 1830 mm |
| | ROUGH TOP Standardized widths: 1200 or 1600 mm | |
| Length | Standardized belt length: 200 m. Other lengths are available on request depending on the weight and the diameter of the roll. | |



DQS-certified
management system

Abbreviations of the basic materials: NR = Natural Rubber, IR = Isoprene Rubber, SBR = Styrene-Butadiene Rubber, BR = Butadiene Rubber, NBR = Nitrile Rubber, EPM = Ethylene-Propylene Copolymer, CR = Chloroprene Rubber

Abbreviations of carcass materials: EP = Polyester warp, Polyamid 6.6 weft, PA = Polyamid 6 warp, Polyamid 6 weft, PP = Polyamid 6.6 warp, Polyamid 6.6 weft, EE = Polyester warp, Polyester weft

Textile conveyor belts

The textile conveyor belts of ContiTech Rubber Industrial Kft. are manufactured for a wide range of uses in many fields of industry.

In addition to standard types, there are specially designed products that are suitable for conveying e.g. hot materials, oil or fat containing substances, or heavy-duty products for special uses.

State-of-the-art manufacturing technology,
comprehensive quality assurance system

Our products are made using the latest manufacturing technologies, high quality materials and environmentally friendly raw materials. Technological development and staff training also contribute to the production of consistently high quality belts.

In accordance with ISO 9001, quality requirements are implemented in every stage of the ordering process, from making offers right till the delivery of the product. Our internationally validated suppliers also provide a guarantee for the excellent quality of our products.

Customer service

The corporate group provides full scale services all over the world ranging from customer-oriented consultancy on conveying systems through installation on site to operation. Our applied technology engineers, special software systems and the experience we gained during the operation of our conveyor belts in every part of the world help us solve the most different material handling tasks.

Our conveyor belts that have a proven track record in the field of materials handling are furnished with the adequate number of textile carrier plies, and the rubber composition and width of the side cover is determined by the proposed conditions of use.

Our products have had an excellent performance record in every field of industry.

The most frequent areas of application are:

- mining industry
- metallurgical industry
- building industry
- stone and earth moving
- quarry operations
- cement industry
- port loading operations
- power stations





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