

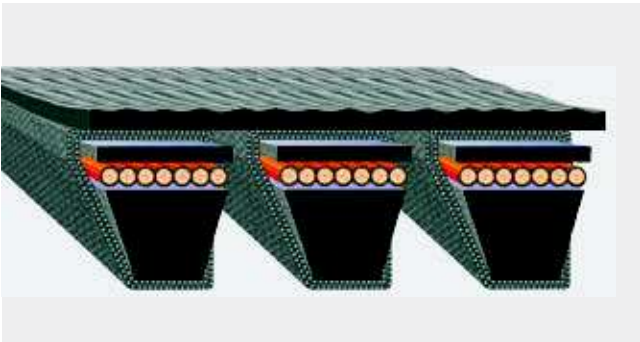
PRODUCT DESCRIPTION

optibelt **KB** KRAFTBANDS

Product characteristics

optibelt KB kraftbands are characterised by the following properties:

- High level of uniform power transmission
- Favourable running behaviour especially regarding vibration
- Excellent flexibility
- High centre distances with small pulley datum diameters
- V-flat drives
- Vertical drives
- Clutched drives and conveyance drives



optibelt KB kraftbands consist of individual V-belts that are connected to one another via a top surface. Depending on the application the kraftbands will be fitted with two, three, four or five ribs.

On special request, kraftbands can also be delivered with more than five ribs.

When using multiple kraftbands per drive, combinations of sets are required.

Order example

The drive is to be equipped with a 5V 1600/15J 4064 kraftband with 18 ribs.

Kraftbands: Installation combination with 5/4/4/5 ribs

The order is as follows:

A KB set, consisting of:

2 pieces optibelt KB kraftbands 4-5V 1600/15J 4064 and

2 pieces optibelt KB kraftbands 5-5V 1600/15J 4064

4 or 5 = quantity of ribs

5V/15J = profile

1600 = belt number or 160 inch belt length

4064 = outside length in mm

Standardisation/Dimensions

KB wedge belts

optibelt KB kraftbands with high power wedge belts are manufactured in SPZ, SPA, SPB, SPC profiles as well as in 3V/9J, 5V/15J, 8V/25J in compliance with international conventions.

SPZ, SPA, SPB and SPC kraftbands can be used with V-grooved pulleys according to DIN 2211 and ISO 4183. 3V/9J, 5V/15J, 8V/25J kraftbands can be used with V-grooved pulleys according to ISO 5290 and USA standard RMA/MPTA IP 22.

KB classic V-belts

optibelt KB kraftbands with classic V-belts are manufactured in AJ/HA, BJ/HB, CJ/HC, DJ/HD profiles in compliance with international conventions.

The ISO 5291 standard and the RMA/MPTA IP 20 USA standard are applied to kraftbands in machine construction. The ASAE S211. ... USA standard is applied to kraftbands used in agricultural machine construction.

Note: Electrically conductive according to ISO 1813.

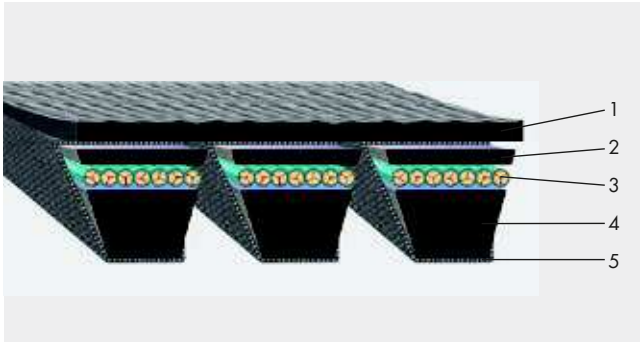
PRODUCT DESCRIPTION

optibelt **KB** KRAFTBANDS

Product design

The optibelt KB kraftbands are used in the most varied constructions according to the technical requirements and applications.

Wrapped kraftbands



- 1 Top surface
- 2 Rubber coating
- 3 Polyester tension cord
- 4 Base compound
- 5 Cover fabric

Profiles

3V/9J; 5V/15J; 8V/25J;
SPZ; SPA; SPB; SPC;
A/HA; B/HB; C/HC; D/HD

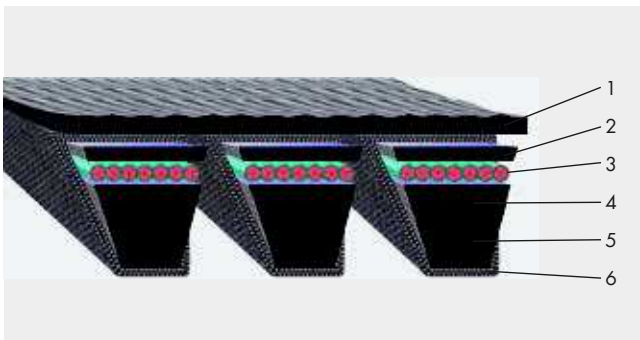
Dimensions

1200 mm to 12,000 mm
standard range

Application areas:

OPTIBELT wrapped KB kraftbands are primarily used in mechanical engineering and agricultural machines.

RED POWER 3 high performance kraftbands – wrapped



- 1 Top surface
- 2 Transverse polychloroprene fibre compound
- 3 Polyester tension cord, maintenance-free
- 4 Transverse polychloroprene fibre compound
- 5 Base compound
- 6 Abrasion-resistant cover fabric

Profiles

3V/9J; 5V/15J; 8V/25J;
SPB; SPC

Dimensions

1200 to 12,000 mm
standard range

Application areas

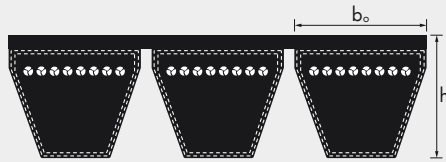
This compact drive element is primarily used for special problem solutions in mechanical engineering and commercial vehicle construction.

We recommend the use of optibelt KB RED POWER 3 for maintenance-free drives and for the use with back bend tension idlers.

STANDARD RANGE

optibelt **KB** KRAFTBANDS WITH WEDGE BELTS

RMA/MPTA



Profile	3V/9J	5V/15J	8V/25J
$b_o \approx$ [mm]	9.0	15.0	25.0
$h \approx$ [mm]	9.9	15.1	25.5

Profile 3V/9J		Profile 5V/15J		Profile 8V/25J	
Belt designation		Belt designation		Belt designation	
Profile, length code	Profile, outside length, L_o [mm]	Profile, length code	Profile, outside length, L_o [mm]	Profile, length code	Profile, outside length, L_o [mm]
3V 500	9J 1270	5V 560	15J 1422	8V 1000	25J 2540
3V 530	9J 1346	5V 600	15J 1524	8V 1060	25J 2692
3V 560	9J 1422	5V 630	15J 1600	8V 1120	25J 2845
3V 600	9J 1524	5V 670	15J 1702	8V 1180	25J 2997
3V 630	9J 1600	5V 710	15J 1803	8V 1250	25J 3175
3V 670	9J 1702	5V 750	15J 1905	8V 1320	25J 3353
3V 710	9J 1803	5V 800	15J 2032	8V 1400	25J 3556
3V 750	9J 1905	5V 850	15J 2159	8V 1500	25J 3810
3V 800	9J 2032	5V 900	15J 2286	8V 1600	25J 4064
3V 850	9J 2159	5V 950	15J 2413	8V 1700	25J 4318
3V 900	9J 2286	5V 1000	15J 2540	8V 1800	25J 4572
3V 950	9J 2413	5V 1060	15J 2692	8V 1900	25J 4826
3V 1000	9J 2540	5V 1120	15J 2845	8V 2000	25J 5080
3V 1060	9J 2692	5V 1180	15J 2997	8V 2120	25J 5385
3V 1120	9J 2845	5V 1250	15J 3175	8V 2240	25J 5690
3V 1180	9J 2997	5V 1320	15J 3353	8V 2360	25J 5994
3V 1250	9J 3175	5V 1400	15J 3556	8V 2500	25J 6350
3V 1320	9J 3353	5V 1500	15J 3810	8V 2650	25J 6731
3V 1400	9J 3556	5V 1600	15J 4064	8V 2800	25J 7112
		5V 1700	15J 4318	8V 3000	25J 7620
		5V 1800	15J 4572	8V 3150	25J 8001
		5V 1900	15J 4826	8V 3350	25J 8509
		5V 2000	15J 5080	8V 3550	25J 9017
		5V 2120	15J 5385	8V 3750	25J 9525
		5V 2240	15J 5690	8V 4000	25J 10160
		5V 2360	15J 5994	8V 4250	25J 10795
		5V 2500	15J 6350	8V 4500	25J 11430
		5V 2650	15J 6731	8V 4750	25J 12065
		5V 2800	15J 7112		
		5V 3000	15J 7620		
		5V 3150	15J 8001		
		5V 3350	15J 8509		
		5V 3550	15J 9017		

<p>Maximum production length: 4250 mm L_o Non-standard length ranges from 1800 mm L_o Minimum order quantity for special length ranges: 9 pieces with 5 ribs or 12 pieces with 4 ribs or 16 pieces with 3 ribs or 24 pieces with 2 ribs or a multiple thereof Weight: per rib \approx 0.102 kg/m Minimum order quantity for design with aramid tension cord on request</p>	<p>Maximum production length: 10 000 mm L_o Non-standard length ranges from 1800 mm L_o Minimum order quantity for special length ranges: 6 pieces with 5 ribs or 7 pieces with 4 ribs or 10 pieces with 3 ribs or 15 pieces with 2 ribs or a multiple thereof Weight: per rib \approx 0.252 kg/m Minimum order quantity for design with aramid tension cord on request</p>	<p>Maximum standard production length: 15 000 mm L_o Over 15 000 to 18 000 mm on request Non-standard length ranges from 2540 mm L_o Minimum order quantity for all sizes: 2 pieces with 5 ribs or 2 pieces with 4 ribs or 3 pieces with 3 ribs or a multiple thereof Weight: per rib \approx 0.693 kg/m Minimum order quantity for design with aramid tension cord on request</p>
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Further sizes on request