

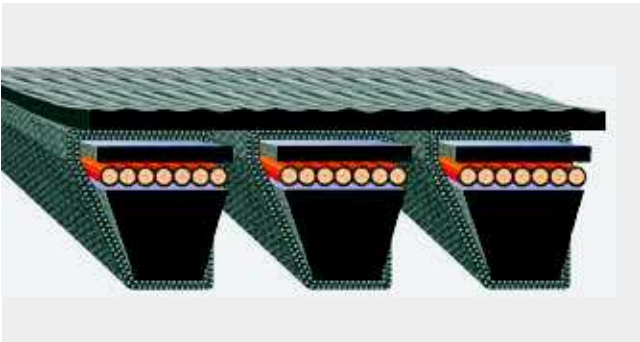
PRODUCT DESCRIPTION

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

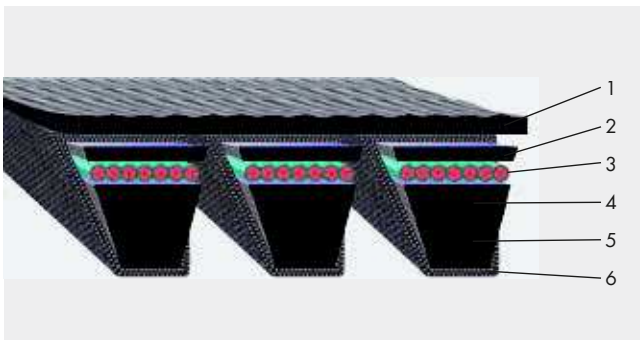
Dimensions

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

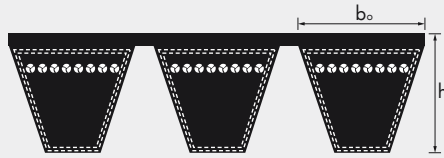
This compact drive element is primarily used for special problem solutions in mechanical engineering and commercial vehicle construction.

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

DIN/ISO



Profile	SPZ	SPA	SPB	SPC
$b_o \approx$ [mm]	9.7	12.7	16.5	22.0
$h \approx$ [mm]	10.5	12.5	15.6	22.6

Profile SPZ	Profile SPA	Profile SPB	Profile SPC
Datum length ISO L_d [mm]	Datum length ISO L_d [mm]	Datum length ISO L_d [mm]	Datum length ISO L_d [mm]
1250	1250	2000	3000
1400	1400	2120	3150
1500	1500	2240	3350
1600	1600	2360	3550
1700	1700	2500	3750
1800	1800	2650	4000
1900	1900	2800	4250
2000	2000	3000	4500
2120	2120	3150	4750
2240	2240	3350	5000
2360	2360	3550	5300
2500	2500	3750	5600
2650	2650	4000	6000
2800	2800	4250	6300
3000	3000	4500	6700
3150	3150	4750	7100
3350	3350	5000	7500
3550	3550	5300	8000
	3750	5600	8500
	4000	6000	9000
	4250	6300	9500
	4500	6700	10000
		7100	10600
		7500	11200
		8000	11800
			12500
Maximum production length: 4500 mm L_d Non-standard length ranges from 1800 mm L_d Minimum order quantity for special length ranges: 8 pieces with 5 ribs or 10 pieces with 4 ribs or 14 pieces with 3 ribs or 21 pieces with 2 ribs or a multiple thereof Weight: per rib \approx 0.120 kg/m Minimum order quantity for design with aramid tension cord on request	Maximum production length: 4500 mm L_d Non-standard length ranges from 1800 mm L_d Minimum order quantity for all length ranges: 6 pieces with 5 ribs or 8 pieces with 4 ribs or 11 pieces with 3 ribs or 16 pieces with 2 ribs or a multiple thereof Weight: per rib \approx 0.166 kg/m Minimum order quantity for design with aramid tension cord on request	Maximum production length: 10000 mm L_d Non-standard length ranges from 2000 mm L_d Minimum order quantity for special length ranges: 4 pieces with 5 ribs or 5 pieces with 4 ribs or 7 pieces with 3 ribs or 11 pieces with 2 ribs or a multiple thereof Weight: per rib \approx 0.261 kg/m Minimum order quantity for design with aramid tension cord on request	Maximum production length: 12500 mm L_d Non-standard length ranges from 3000 mm L_d Minimum order quantity for all length ranges: 3 pieces with 5 ribs or 4 pieces with 4 ribs or 5 pieces with 3 ribs or 8 pieces with 2 ribs or a multiple thereof Weight: per rib \approx 0.555 kg/m Minimum order quantity for design with aramid tension cord on request

Datum length $L_d \triangleq$ Pitch length L_w/L_p Further sizes on request