

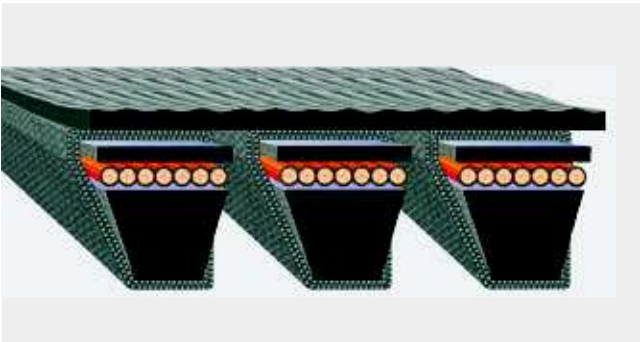
PRODUCT DESCRIPTION

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.

STANDARD RANGE

optibelt **KB** KRAFTBANDS WITH CLASSIC V-BELTS

DIN/ISO, ASAE



Profile	A/HA	B/HB	C/HC	D/HD	E*
$b_o \approx$ [mm]	13.0	17.0	22.0	32.0	40.0
$h \approx$ [mm]	9.9	13.0	16.2	22.4	25.0

* available on request

Profile A/HA			Profile B/HB						Profile C/HC			Profile D/HD		
(Profile A) Inside length		(Profile HA) Outside length L_o [mm]	(Profile B) Inside length		(Profile HB) Outside length L_o [mm]	(Profile B) Inside length		(Profile HB) Outside length L_o [mm]	(Profile C) Inside length		(Profile HC) Outside length L_o [mm]	(Profile D) Inside length		(Profile HD) Outside length L_o [mm]
Belt no.	L_i [mm]		Belt no.	L_i [mm]		Belt no.	L_i [mm]		Belt no.	L_i [mm]		Belt no.	L_i [mm]	
47	1200	1236	47	1200	1262	146	3700	3762	90	2286	2361	98	2500	2611
51	1300	1336	51	1300	1362	148	3750	3812	98	2500	2575	110	2800	2911
56	1422	1458	55	1400	1462	158	4000	4062	108	2750	2825	120	3048	3159
57	1450	1486	59	1500	1562	167	4250	4312	120	3048	3123	128	3250	3361
59	1500	1536	61	1550	1612	177	4500	4562	128	3250	3325	144	3658	3769
64	1625	1661	63	1600	1662	187	4750	4812	140	3550	3625	158	4000	4111
67	1700	1736	64	1625	1687	197	5000	5062	146	3700	3775	162	4115	4226
71	1800	1836	67	1700	1762	208	5300	5362	151	3850	3925	173	4394	4505
75	1900	1936	71	1800	1862	220	5600	5662	167	4250	4325	180	4572	4683
79	2000	2036	73	1850	1912				177	4500	4575	195	4953	5064
88	2240	2276	75	1900	1962				187	4750	4825	210	5334	5445
98	2500	2536	79	2000	2062				197	5000	5075	225	5715	5826
100	2540	2576	83	2100	2162				208	5300	5375	240	6096	6207
104	2650	2686	88	2240	2302				220	5600	5675	255	6477	6588
112	2845	2881	91	2300	2362				236	6000	6075	270	6858	6969
120	3048	3084	94 ^{1/2}	2400	2462				248	6300	6375	285	7239	7350
128	3250	3286	98	2500	2562							300	7620	7731
144	3658	3694	102	2600	2662							315	8000	8111
158	4000	4036	106	2700	2762							330	8382	8493
167	4250	4286	112	2845	2907							345	8763	8874
187	4750	4786	118	3000	3062							360	9144	9255
			120	3048	3110							390	9906	10017
			128	3250	3312							420	10668	10779
			132	3350	3412							450	11430	11541
			140	3550	3612							480	12200	12311
												540	13716	13827
												600	15240	15351
												660	16764	16875
												700	17780	17891

Maximum production length:
10000 mm L_i
Non-standard length ranges
from 1800 mm
Minimum order quantity
for special length ranges from:
1200 to 2000 mm
6 pieces with 5 ribs or
8 pieces with 4 ribs or
10 pieces with 3 ribs or
16 pieces with 2 ribs
or a multiple thereof
2001 to 8000 mm
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 0.163 kg/m
Minimum order quantity for
design with aramid tension cord
on request

Maximum production length:
18000 mm L_i
Non-standard length ranges
from 1800 mm
Minimum order quantity
for special length ranges from:
5 pieces with 5 ribs or
6 pieces with 4 ribs or
9 pieces with 3 ribs or
13 pieces with 2 ribs
or a multiple thereof
Weight: per rib \approx 0.266 kg/m
Minimum order quantity for design with
aramid tension cord on request

Maximum production length:
18000 mm L_i
Non-standard length ranges
from 2286 mm
Minimum order quantity
for special length ranges from:
2286 to 10000 mm
4 pieces with 5 ribs or
5 pieces with 4 ribs or
6 pieces with 3 ribs or
10 pieces with 2 ribs
or a multiple thereof
10001 to 12000 mm
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 0.447 kg/m
Minimum order quantity for
design with aramid tension cord
on request

Maximum production length:
18000 mm L_i
Non-standard length ranges
from 2500 mm
Minimum order quantity
for all sizes:
2 pieces with 5 ribs or
2 pieces with 4 ribs or
3 pieces with 3 ribs or
5 pieces with 2 ribs
or a multiple thereof
Weight: per rib \approx 0.798 kg/m
Minimum order quantity for
design with aramid tension cord
on request

Further sizes on request