

optibelt **RED POWER II*** maintenance-free

The second generation of Red Power II V-belts and Kraftbands produces results that are really worth talking about: up to 42% more power while at the same time cutting costs by up to 20%.

Improved production processes and consistent development of basic products have led to these excellent results. The cost savings are explained as follows:

Fewer belts
+ narrower pulleys
+ saving in drive space
= lower costs.

Advantages

- High performance V-belt
- Maintenance-free; optimum tension throughout service life
- Homogeneous, coordinated integration: belt – flank – V-grooved pulleys
- Reduced pulley groove wear due to optimized cover fabric
- S=C plus Set Constant, can be use in sets without further measurement
- Up to 97% drive efficiency
- Environmentally friendly
- Improved smooth running behaviour and low vibration
- High resistance to shock loads
- Suitable for use with back bend idlers

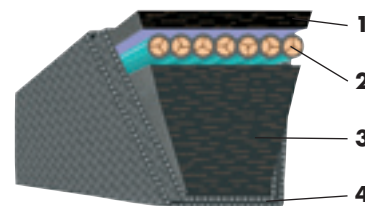
Examples of Applications

The application examples are endless, as the Optibelt Red Power II is available in lengths ranging from 1200 mm to 12000 mm.

*** S=C PLUS can be used in sets without further measurement**



Belt construction



- 1 Transverse fibre mixture made of polychloroprene
- 2 Polyester tension cord/maintenance-free
- 3 Core with diagonally aligned fibre layer
- 4 Abrasion-resistant cover fabric

Sections – Wedge Belts:

SPZ, SPA, SPB, SPC,
3V/9N, 5V/15N, 8V/25N

Dimensions:

1200 to 12000 mm

V-Grooved Pulleys:

All standard pulleys,
special pulleys on request



Profil Profile SPZ		Profil Profile SPA		Profil Profile SPB	Profil Profile SPC
Richtlänge Datum length ISO, DIN, BS L _d (mm)		Richtlänge Datum length ISO, DIN, BS L _d (mm)		Richtlänge Datum length ISO, DIN, BS L _d (mm)	Richtlänge Datum length ISO, DIN, BS L _d (mm)
BM BQ = 25 Stück pieces	BM BQ = 10 Stück pieces	BM BQ = 25 Stück pieces		BM BQ = 10 Stück pieces	BM BQ = 10 Stück pieces
1202	2360	1207	2132	1250	2000
1212	2500	1232	2182	1320	2120
1237	2650	1250	2207	1400	2240
1250	2800	1257	2232	1500	
1262	3000	1282	2240	1600	BM BQ = 5 Stück pieces
1287	3150	1307	2282	1700	2360
1312	3350	1320	2300	1800	2500
1320	3550	1332		1900	2650
1337		1357	BM BQ = 10 Stück pieces	2000	2800
1362		1382		2120	3000
1387		1400	2307	2240	3150
1400		1407	2332	2360	3350
1412		1432	2360	2500	3550
1437		1457	2382	2650	3750
1462		1482	2432	2800	4000
1487		1500	2482	3000	4250
1500		1507	2500	3150	4500
1512		1532	2532	3350	4750
1537		1557	2582	3550	5000
1562		1582	2607	3750	
1587		1600	2632	4000	BM BQ = 3 Stück pieces
1600		1607	2650	4250	5300
1612		1632	2682	4500	5600
1637		1657	2732	4750	6000
1662		1682	2782	5000	6300
1687		1700	2800		6700
1700		1707	2832	BM BQ = 5 Stück pieces	7100
1737		1732	2847	5300	7500
1762		1757	2882	5600	8000
1787		1782	2932	6000	8500
1800		1800	2982	6300	9000
1837		1807	3000	6700	9500
1862		1832	3032	7100	10000
1887		1857	3082	7500	
1900		1882	3150	8000	
1937		1900	3182		
1987		1907	3282		
2000		1932	3350		
2037		1957	3382		
2120		1982	3550		
2137		2000	3750		
2187		2032	4000		
2240		2057			
2287		2082			
		2120			

Maximale Fertigungslänge Maximum manufacturing length: 4000 mm
 Mindest-Abnahmemenge Minimum production quantity:
 1202 mm – 2120 mm = 76 Stück für Zwischenlängen pieces for non standard lengths
 über over 2120 mm = 70 Stück für Zwischenlängen pieces for non standard lengths
 Gewicht Belt weight: ≈ 0,074 kg/m

Maximale Fertigungslänge Maximum manufacturing length: 4000 mm
 Mindest-Abnahmemenge Minimum production quantity:
 1207 mm – 2120 mm = 62 Stück für Zwischenlängen pieces for non standard lengths
 über over 2120 mm = 78 Stück für Zwischenlängen pieces for non standard lengths
 Gewicht Belt weight: ≈ 0,123 kg/m

Maximale Fertigungslänge Maximum manufacturing length: 8000 mm
 Mindest-Abnahmemenge Minimum production quantity:
 1250 mm – 2120 mm = 50 Stück für Zwischenlängen pieces for non standard lengths
 über over 2120 mm = 72 Stück für Zwischenlängen pieces for non standard lengths
 Gewicht Belt weight: ≈ 0,195 kg/m

Maximale Fertigungslänge Maximum manufacturing length: 10 000 mm
 Mindest-Abnahmemenge Minimum production quantity:
 ab over 2000 mm = 32 Stück für Zwischenlängen pieces for non standard lengths
 Gewicht Belt weight: ≈ 0,377 kg/m

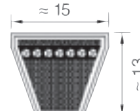
Längen in **fetter** Schrift sind in Ausführung S=C PLUS (SatzConstant).
 Lengths in **bold print** are in the S=C PLUS range.

Richtlänge L_d = Wirklänge L_w/L_p
 Datum length L_d = Pitch length L_w/L_p

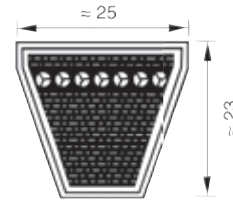


3V/9N

wartungsfrei
maintenance-free



5V/15N



8V/25N

Profil Profile 3V/9N		Profil Profile 5V/15N		Profil Profile 8V/25N	
Riemenbezeichnung Belt no.		Riemenbezeichnung Belt no.		Riemenbezeichnung Belt no.	
Profil Profile	Profil Profile	Profil Profile	Profil Profile	Profil Profile	Profil Profile
Außenlänge Outside length	Außenlänge Outside length	Außenlänge Outside length	Außenlänge Outside length	Außenlänge Outside length	Außenlänge Outside length
$L_a \approx$ (in/10)	$L_a \approx$ (mm)	$L_a \approx$ (in/10)	$L_a \approx$ (mm)	$L_a \approx$ (in/10)	$L_a \approx$ (mm)
BM BQ = 25 Stück pieces		BM BQ = 10 Stück pieces		BM BQ = 1 Stück piece	
3V 475	9N 1206	5V 530	15N 1346	8V 1000	25N 2540
3V 500	9N 1270	5V 560	15N 1422	8V 1120	25N 2845
3V 530	9N 1346	5V 600	15N 1524	8V 1180	25N 2997
3V 560	9N 1422	5V 630	15N 1600	8V 1250	25N 3175
3V 600	9N 1524	5V 670	15N 1702	8V 1320	25N 3353
3V 630	9N 1600	5V 710	15N 1803	8V 1400	25N 3556
3V 670	9N 1702	5V 750	15N 1905	8V 1500	25N 3810
3V 710	9N 1803	5V 800	15N 2032	8V 1600	25N 4064
3V 750	9N 1905	5V 850	15N 2159	8V 1700	25N 4318
3V 800	9N 2032	5V 900	15N 2286	8V 1800	25N 4572
3V 850	9N 2159	5V 950	15N 2413	8V 1900	25N 4826
3V 900	9N 2286	5V 1000	15N 2540	8V 2000	25N 5080
BM BQ = 10 Stück pieces		5V 1060	15N 2692	8V 2120	25N 5385
3V 950	9N 2413	5V 1120	15N 2845	8V 2240	25N 5690
3V 1000	9N 2540	5V 1180	15N 2997	8V 2360	25N 5994
3V 1060	9N 2692	5V 1250	15N 3175	8V 2500	25N 6350
3V 1120	9N 2845	5V 1320	15N 3353	8V 2650	25N 6731
3V 1180	9N 2997	5V 1400	15N 3556	8V 2800	25N 7112
3V 1250	9N 3175	5V 1500	15N 3810	8V 3000	25N 7620
3V 1320	9N 3353	5V 1600	15N 4064	8V 3150	25N 8001
3V 1400	9N 3556	5V 1700	15N 4318	8V 3350	25N 8509
		5V 1800	15N 4572	8V 3550	25N 9017
		5V 1900	15N 4826	8V 3750	25N 9525
		BM BQ = 5 Stück pieces		8V 4000	25N 10160
		5V 2000	15N 5080	8V 4250	25N 10795
		5V 2120	15N 5385	8V 4500	25N 11430
		5V 2240	15N 5690	8V 4750	25N 12065
		5V 2360	15N 5994		
		5V 2500	15N 6350		
		5V 2650	15N 6731		
		5V 2800	15N 7112		
		5V 3000	15N 7620		
		5V 3150	15N 8001		

Max. Fertigungslänge Max. manufacturing length: 4000 mm L_a
 Mindest-Abnahmemenge Minimum production quantity:
 1206 mm L_a - 2032 mm L_a =
 80 Stück für Zwischenlängen pieces for non standard lengths
 über over 2032 mm L_a =
 98 Stück für Zwischenlängen pieces for non standard lengths
 Gewicht Belt weight: \approx 0,074 kg/m

Max. Fertigungslänge Max. manufacturing length: 9525 mm L_a
 Mindest-Abnahmemenge Minimum production quantity:
 1270 mm L_a - 2032 mm L_a =
 50 Stück für Zwischenlängen pieces for non standard lengths
 über over 2032 mm L_a =
 72 Stück für Zwischenlängen pieces for non standard lengths
 Gewicht Belt weight: \approx 0,195 kg/m

Max. Standard-Fertigungslänge Max. standard manufacturing length:
 12065 mm L_a
 Mindest-Abnahmemenge Minimum production quantity:
 ab from 2540 mm L_a =
 28 Stück für Zwischenlängen pieces for non standard lengths
 Gewicht Belt weight: \approx 0,575 kg/m

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