



optibelt **SK S=C Plus**

WEDGE BELTS

DIN 7753 Part 1 / ISO 4184 and RMA/MPTA



Profiles:
SPZ, SPA, SPB, SPC



Profiles:
3V, 5V, 8V



	SPZ	SPA	SPB	SPC	3V	5V	8V
Nominal length	Datum length L_d	Datum length L_d	Datum length L_d	Datum length L_d	Outside length $L_o / 10$	Outside length $L_o / 10$	Outside length $L_o / 10$
Nominal lengths unit	mm	mm	mm	mm	in	in	in
Height of belt h [mm]	8.00	10.00	13.00	18.00	8.00	13.00	23.00
Width of belt b [mm]	9.70	12.70	16.30	22.00	9.00	15.00	25.00
Weight [kg/m]	0.074	0.123	0.195	0.377	0.074	0.195	0.575
Max. manufacturing length [mm]	4500	4500	18000	21000	4500	18000	21000
Min. pulley diameter [mm]	63	90	140	224	67	151	315
Min. order quantity for non standard lengths from	1800 mm L_d = 22 pieces	1800 mm L_d = 31 pieces	1800 mm L_d = 25 pieces	2000 mm L_d = 16 pieces	1800 mm L_o = 33 pieces	1800 mm L_o = 25 pieces	2540 mm L_o = 14 pieces
Min. order quantity for non standard lengths from	-	-	2050 mm L_d = 23 pieces	-	-	2050 mm L_o = 23 pieces	11430 mm L_o = 11 pieces
Min. order quantity for certain special versions from	1800 mm L_d = 66 pieces	1800 mm L_d = 93 pieces	1800 mm L_d = 75 pieces	2000 mm L_d = 48 pieces	1800 mm L_o = 99 pieces	1800 mm L_o = 75 pieces	2540 mm L_o = 42 pieces
Min. order quantity for certain special versions from	-	-	2050 mm L_d = 69 pieces	-	-	2050 mm L_o = 69 pieces	11430 mm L_o = 33 pieces
Bundle quantity up to 2300 mm	25 pieces	25 pieces	10 pieces	10 pieces	25 pieces	10 pieces	-
Bundle quantity up to 5000 mm	10 pieces	10 pieces	10 pieces	5 pieces	10 pieces	10 pieces	1 piece
Bundle quantity from 5000 mm	-	-	5 pieces	3 pieces	-	5 pieces	1 piece

- Non stock items

Lengths in bold type are version S=C Plus (Set Constant).
datum length L_d = pitch length L_w

SPZ/3V, SPB/5V = replaceable sizes (not to be combined in sets)

Ordering example: SPZ 487

Please make sure to mention the product name in your order.

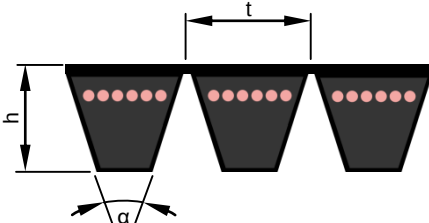
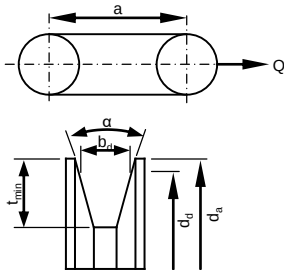
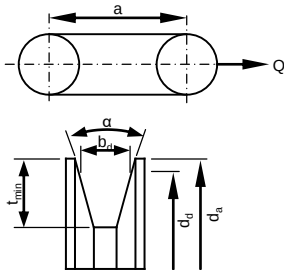
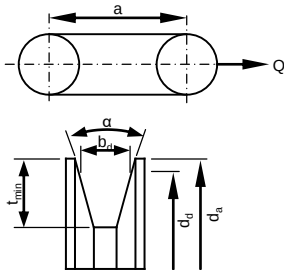


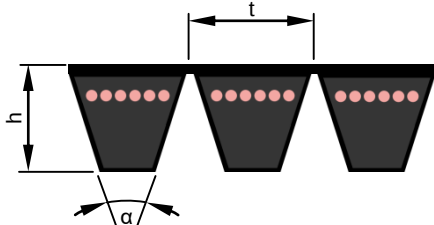
Description	Alternative RMA	Description	Alternative RMA	Description	Alternative RMA
SPZ		SPZ 1270	-	SPZ 2360	-
SPZ 487	-	SPZ 1287	-	SPZ 2500	3V 1000
SPZ 512	-	SPZ 1312	-	SPZ 2540	-
SPZ 562	-	SPZ 1320	-	SPZ 2650	3V 1060
SPZ 587	-	SPZ 1337	3V 530	SPZ 2690	-
SPZ 612	-	SPZ 1347	-	SPZ 2800	3V 1120
SPZ 630	3V 250	SPZ 1362	-	SPZ 2840	3V 1180
SPZ 637	-	SPZ 1387	-	SPZ 3000	-
SPZ 662	-	SPZ 1400	-	SPZ 3150	-
SPZ 670	3V 265	SPZ 1412	3V 560	SPZ 3350	3V 1320
SPZ 687	-	SPZ 1420	-	SPZ 3550	3V 1400
SPZ 710	3V 280	SPZ 1437	-	SPA	
SPZ 722	-	SPZ 1450	-	SPA 732	-
SPZ 737	-	SPZ 1462	-	SPA 757	-
SPZ 750	-	SPZ 1487	-	SPA 782	-
SPZ 762	3V 300	SPZ 1500	-	SPA 800	-
SPZ 772	-	SPZ 1512	-	SPA 807	-
SPZ 787	-	SPZ 1520	-	SPA 832	-
SPZ 800	3V 315	SPZ 1537	-	SPA 850	-
SPZ 812	-	SPZ 1562	-	SPA 857	-
SPZ 825	-	SPZ 1587	-	SPA 882	-
SPZ 837	-	SPZ 1600	3V 630	SPA 900	-
SPZ 850	3V 265	SPZ 1612	-	SPA 907	-
SPZ 862	-	SPZ 1637	-	SPA 932	-
SPZ 875	-	SPZ 1650	-	SPA 950	-
SPZ 887	-	SPZ 1662	-	SPA 957	-
SPZ 900	3V 355	SPZ 1687	-	SPA 967	-
SPZ 912	-	SPZ 1700	3V 670	SPA 982	-
SPZ 925	-	SPZ 1737	-	SPA 1000	-
SPZ 937	-	SPZ 1750	-	SPA 1007	-
SPZ 950	3V 375	SPZ 1762	-	SPA 1032	-
SPZ 962	-	SPZ 1787	-	SPA 1060	-
SPZ 987	-	SPZ 1800	3V 710	SPA 1082	-
SPZ 1000	-	SPZ 1812	-	SPA 1107	-
SPZ 1012	3V 400	SPZ 1837	-	SPA 1120	-
SPZ 1024	-	SPZ 1850	-	SPA 1132	-
SPZ 1037	-	SPZ 1862	-	SPA 1157	-
SPZ 1047	-	SPZ 1887	-	SPA 1180	-
SPZ 1060	-	SPZ 1900	3V 750	SPA 1207	-
SPZ 1077	3V 425	SPZ 1937	-	SPA 1232	-
SPZ 1087	-	SPZ 1950	-	SPA 1250	-
SPZ 1112	-	SPZ 1987	-	SPA 1257	-
SPZ 1120	-	SPZ 2000	-	SPA 1272	-
SPZ 1137	3V 450	SPZ 2037	-	SPA 1282	-
SPZ 1162	-	SPZ 2062	-	SPA 1307	-
SPZ 1180	-	SPZ 2087	-	SPA 1320	-
SPZ 1187	-	SPZ 2120	-	SPA 1332	-
SPZ 1202	3V 475	SPZ 2137	3V 850	SPA 1357	-
SPZ 1212	-	SPZ 2150	-	SPA 1382	-
SPZ 1237	-	SPZ 2187	-	SPA 1400	-
SPZ 1250	-	SPZ 2240	3V 900	SPA 1407	-
SPZ 1262	3V 500	SPZ 2287	-	SPA 1432	-

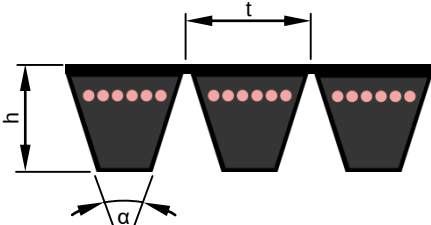
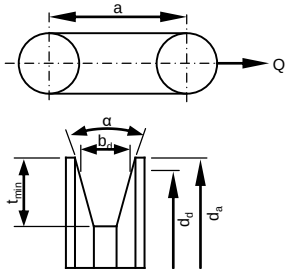
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SPA 1457	-	SPA 2632	-	SPB 2400	5V 950
SPA 1482	-	SPA 2650	-	SPB 2410	-
SPA 1500	-	SPA 2682	-	SPB 2430	-
SPA 1507	-	SPA 2732	-	SPB 2450	-
SPA 1532	-	SPA 2782	-	SPB 2500	-
SPA 1550	-	SPA 2800	-	SPB 2530	-
SPA 1557	-	SPA 2832	-	SPB 2580	-
SPA 1582	-	SPA 2847	-	SPB 2650	-
SPA 1600	-	SPA 2882	-	SPB 2680	5V 1060
SPA 1607	-	SPA 2932	-	SPB 2720	-
SPA 1632	-	SPA 2982	-	SPB 2800	-
SPA 1657	-	SPA 3000	-	SPB 2840	-
SPA 1682	-	SPA 3032	-	SPB 2850	-
SPA 1700	-	SPA 3082	-	SPB 2900	-
SPA 1707	-	SPA 3150	-	SPB 2950	-
SPA 1732	-	SPA 3182	-	SPB 3000	-
SPA 1750	-	SPA 3282	-	SPB 3050	-
SPA 1757	-	SPA 3350	-	SPB 3070	-
SPA 1782	-	SPA 3382	-	SPB 3150	-
SPA 1800	-	SPA 3450	-	SPB 3170	-
SPA 1807	-	SPA 3550	-	SPB 3200	-
SPA 1832	-	SPA 3750	-	SPB 3250	-
SPA 1857	-	SPA 4000	-	SPB 3320	-
SPA 1882	-	SPA 4250	-	SPB 3350	5V 1320
SPA 1900	-	SPA 4500	-	SPB 3450	-
SPA 1907	-	SPB		SPB 3550	5V 1400
SPA 1932	-	SPB 1250	-	SPB 3650	-
SPA 1950	-	SPB 1320	-	SPB 3750	-
SPA 1957	-	SPB 1400	-	SPB 3800	-
SPA 1982	-	SPB 1450	-	SPB 3870	-
SPA 2000	-	SPB 1500	-	SPB 4000	-
SPA 2032	-	SPB 1550	-	SPB 4050	-
SPA 2057	-	SPB 1600	-	SPB 4060	-
SPA 2082	-	SPB 1650	-	SPB 4120	-
SPA 2120	-	SPB 1680	-	SPB 4250	-
SPA 2132	-	SPB 1700	-	SPB 4300	5V 1700
SPA 2182	-	SPB 1750	-	SPB 4370	-
SPA 2207	-	SPB 1800	-	SPB 4500	-
SPA 2232	-	SPB 1850	-	SPB 4560	5V 1800
SPA 2240	-	SPB 1900	5V 750	SPB 4750	-
SPA 2282	-	SPB 1950	-	SPB 4820	5V 1900
SPA 2300	-	SPB 2000	-	SPB 5000	-
SPA 2307	-	SPB 2020	5V 800	SPB 5070	5V 2000
SPA 2332	-	SPB 2060	-	SPB 5300	-
SPA 2360	-	SPB 2120	-	SPB 5600	-
SPA 2382	-	SPB 2150	5V 850	SPB 6000	-
SPA 2432	-	SPB 2180	-	SPB 6300	-
SPA 2482	-	SPB 2240	-	SPB 6700	-
SPA 2500	-	SPB 2280	5V 900	SPB 7100	5V 2800
SPA 2532	-	SPB 2300	-	SPB 7500	-
SPA 2582	-	SPB 2360	-	SPB 8000	5V 3150
SPA 2607	-	SPB 2391	-		

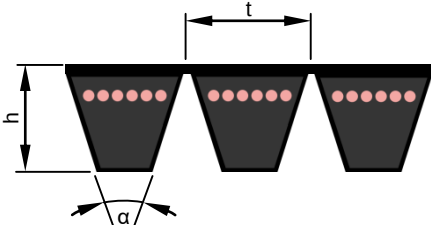
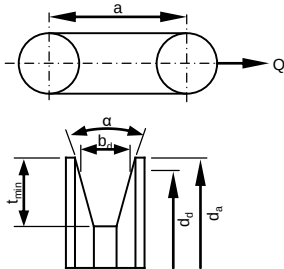


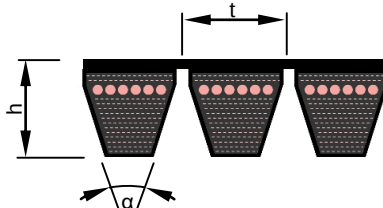
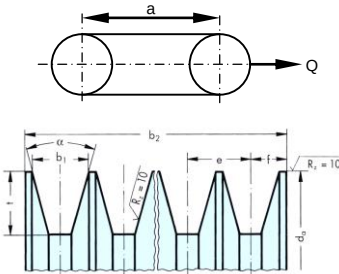
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SPC 2000	-	3V		5V 1500	15N 3810
SPC 2120	-	3V 250	9N 635	5V 1600	15N 4064
SPC 2240	-	3V 265	9N 673	5V 1700	15N 4318
SPC 2360	-	3V 280	9N 711	5V 1800	15N 4572
SPC 2500	-	3V 300	9N 762	5V 1900	15N 4826
SPC 2650	-	3V 315	9N 800	5V 2000	15N 5080
SPC 2800	-	3V 335	9N 851	5V 2120	15N 5385
SPC 2900	-	3V 355	9N 902	5V 2240	15N 5690
SPC 3000	-	3V 375	9N 952	5V 2360	15N 5994
SPC 3150	-	3V 400	9N 1016	5V 2500	15N 6350
SPC 3350	-	3V 425	9N 1079	5V 2650	15N 6731
SPC 3500	-	3V 450	9N 1143	5V 2800	15N 7112
SPC 3550	-	3V 475	9N 1206	5V 3000	15N 7620
SPC 3750	-	3V 500	9N 1270	5V 3150	15N 8001
SPC 4000	-	3V 530	9N 1346	5V 3350	15N 8509
SPC 4100	-	3V 560	9N 1422	5V 3550	15N 9017
SPC 4250	-	3V 600	9N 1524	8V	
SPC 4400	-	3V 630	9N 1600	8V 1000	25N 2540
SPC 4500	-	3V 670	9N 1702	8V 1120	25N 2845
SPC 4750	-	3V 710	9N 1803	8V 1180	25N 2997
SPC 5000	-	3V 750	9N 1905	8V 1250	25N 3175
SPC 5300	-	3V 800	9N 2032	8V 1320	25N 3353
SPC 5600	-	3V 850	9N 2159	8V 1400	25N 3556
SPC 6000	-	3V 900	9N 2286	8V 1500	25N 3810
SPC 6300	-	3V 950	9N 2413	8V 1600	25N 4064
SPC 6700	-	3V 1000	9N 2540	8V 1700	25N 4318
SPC 7100	-	3V 1060	9N 2692	8V 1800	25N 4572
SPC 7500	-	3V 1120	9N 2845	8V 1900	25N 4826
SPC 7800	-	3V 1180	9N 2997	8V 2000	25N 5080
SPC 8000	-	3V 1250	9N 3175	8V 2120	25N 5385
SPC 8500	-	3V 1320	9N 3353	8V 2240	25N 5690
SPC 9000	-	3V 1400	9N 3556	8V 2360	25N 5994
SPC 9500	-	5V		8V 2500	25N 6350
SPC 10000	-	5V 500	15N 1270	8V 2650	25N 6731
SPC 10600	-	5V 530	15N 1346	8V 2800	25N 7112
SPC 11200	-	5V 560	15N 1422	8V 3000	25N 7620
SPC 12500	-	5V 600	15N 1524	8V 3150	25N 8001
		5V 630	15N 1600	8V 3350	25N 8509
		5V 670	15N 1702	8V 3550	25N 9017
		5V 710	15N 1803	8V 3750	25N 9525
		5V 750	15N 1905	8V 4000	25N 10160
		5V 800	15N 2032	8V 4250	25N 10795
		5V 850	15N 2159	8V 4500	25N 11430
		5V 900	15N 2286	8V 4750	25N 12065
		5V 950	15N 2413	8V 5000	25N 12700
		5V 1000	15N 2540		
		5V 1060	15N 2692		
		5V 1120	15N 2845		
		5V 1180	15N 2997		
		5V 1250	15N 3175		
		5V 1320	15N 3353		
		5V 1400	15N 3556		

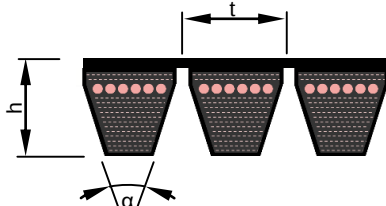
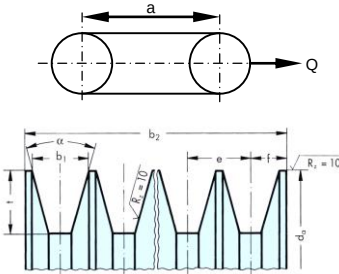
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A	<table><tr><th>Richtlänge Datum length [mm]</th><th>Längentoleranz Length tolerance</th><th>Satztoleranz Set tolerance [mm]</th></tr><tr><td>1170 ≤ Ld ≤ 2000</td><td>± 5 mm</td><td>2</td></tr><tr><td>2000 < Ld ≤ 2200</td><td>± 5 mm</td><td>4</td></tr><tr><td>2200 < Ld ≤ 3000</td><td>± 8 mm</td><td>4</td></tr><tr><td>3000 < Ld ≤ 3150</td><td>± 10 mm</td><td>4</td></tr><tr><td>3150 < Ld ≤ 5000</td><td>± 10 mm</td><td>6</td></tr><tr><td>5000 < Ld ≤ 7000</td><td>± 15 mm</td><td>10</td></tr></table>			Richtlänge Datum length [mm]	Längentoleranz Length tolerance	Satztoleranz Set tolerance [mm]	1170 ≤ Ld ≤ 2000	± 5 mm	2	2000 < Ld ≤ 2200	± 5 mm	4	2200 < Ld ≤ 3000	± 8 mm	4	3000 < Ld ≤ 3150	± 10 mm	4	3150 < Ld ≤ 5000	± 10 mm	6	5000 < Ld ≤ 7000	± 15 mm	10	Prinzip-Skizze Principle sketch 		<table><tr><th colspan="3">Profil / Section: SPA KB</th></tr><tr><th>t [mm]</th><th>h [mm]</th><th>α [°]</th></tr><tr><td>15,0 ± 0,55</td><td>12,0 +1,0/-0,7</td><td>40 ± 2</td></tr></table> Aufbau des Riemens: 1. Deckplatte aus CR/SBR 2. Umhüllungsgewebe 3. SBR/NR Mischung 4. Polyester 5. SBR/NR Mischung V-Belt construction: 1. CR/SBR joining plate 2. Cover fabric 3. SBR/NR compound 4. Polyester 5. SBR/NR compound			Profil / Section: SPA KB			t [mm]	h [mm]	α [°]	15,0 ± 0,55	12,0 +1,0/-0,7	40 ± 2
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B	Riemensätze müssen im Satz bestellt werden Belt sets must be ordered as a set																																					
	Kennzeichnungsbeispiel / Marking example: <table><tr><td>-</td><td>Made in ...</td><td>optibelt KB Kraftband</td><td>SPA</td><td>2000 L_w</td><td>Antistatic ISO 1813</td><td>1 2</td><td>●</td></tr><tr><td colspan="2">Werkscode / Plant code</td><td colspan="2">Profil / Profile</td><td>Länge / Length</td><td colspan="3">Jahreszeichen / Year code</td></tr></table>								-	Made in ...	optibelt KB Kraftband	SPA	2000 L_w	Antistatic ISO 1813	1 2	●	Werkscode / Plant code		Profil / Profile		Länge / Length	Jahreszeichen / Year code																
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Werkscode / Plant code		Profil / Profile		Länge / Length	Jahreszeichen / Year code																																	
C	Längen-Messbedingungen nach DIN 7753 Teil 1 und ISO 4183 Length measurement according to DIN 7753 Part 1 and ISO 4183 <table><tr><td rowspan="10"></td><td>d_d [mm]</td><td>143,24 ± 0,13</td></tr><tr><td>U_d [mm]</td><td>450</td></tr><tr><td>d_a [mm]</td><td>149 ± 0,13</td></tr><tr><td>b_d [mm]</td><td>11,00</td></tr><tr><td>α [°]</td><td>36 ± 15'</td></tr><tr><td>t_{min} [mm]</td><td>14</td></tr><tr><td>Q je Rippe [N]</td><td>560</td></tr><tr><td colspan="2">L_d = 2a + U_d</td></tr><tr><td colspan="2">L_a = 2a + U_a</td></tr><tr><td colspan="2"></td></tr></table>									d _d [mm]	143,24 ± 0,13	U _d [mm]	450	d _a [mm]	149 ± 0,13	b _d [mm]	11,00	α [°]	36 ± 15'	t _{min} [mm]	14	Q je Rippe [N]	560	L _d = 2a + U _d		L _a = 2a + U _a												
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D	Wir beraten Sie gerne über die Produkteigenschaften und -anpassungen bei besonderen Anforderungen. Bitte beachten Sie auch die Hinweise in den Optibelt Dokumentationen. Irrtümer und technische Änderungen vorbehalten. www.optibelt.com, © Optibelt GmbH We would be pleased to offer advice about technical characteristics and drive design as well as special requirements. Further information can be found in Optibelt documentation. Subject to technical modification and change, errors and omissions excepted. www.optibelt.com, © Optibelt GmbH								optibelt KB Profil SPA																													
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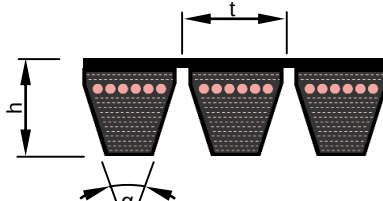
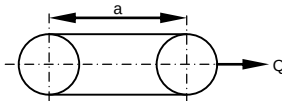
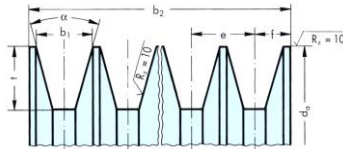
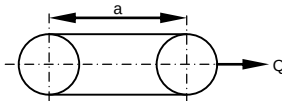
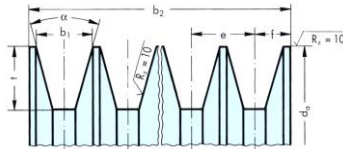
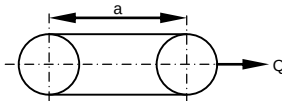
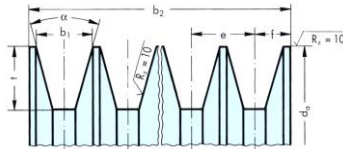
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Wir beraten Sie gerne über die Produkteigenschaften und -anpassungen bei besonderen Anforderungen. Bitte beachten Sie auch die Hinweise in den Optibelt Dokumentationen. Irrtümer und technische Änderungen vorbehalten. www.optibelt.com, © Optibelt GmbH We would be pleased to offer advice about technical characteristics and drive design as well as special requirements. Further information can be found in Optibelt documentation. Subject to technical modification and change, errors and omissions excepted. www.optibelt.com, © Optibelt GmbH																																												
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