



Balancing:

The list prices apply, as per VDI 2060, to cast iron pulleys balanced in one plane as follows: Grade G 16 for $\varnothing d_D \leq 400$ mm at $n = 1500$ rpm, for $\varnothing d_D > 400$ mm at $v = 30$ m/sec.

Balancing is carried out minus the key on a smooth mandrel. Machines where the rotors are balanced with an adjusting spring inserted in the shaft end must be ordered as follows: "Balanced with finished bore without key on a smooth mandrel without inserted spring".

We recommend balancing in two planes grade G 16 or better if $v \geq 30$ m/sec. or if the ratio between datum diameter and pulley face width $d_D : b_2 < 4$ at $v > 20$ m/sec. Surcharges for balancing on request. Please give pulley operating speed.

We reserve the right to make technical changes.

Surcharges for finished bore H7 and keyway to DIN 6885 part 1				
Quantity	Finished bore up to 30 mm	Finished bore 31 mm to 50 mm	Finished bore 51 mm to 75 mm	Drilled and tapped for setscrews
1 to 2				
3 to 5				
6 to 10				
11 to 24				
25 to 50				
over 50				

Special pulleys and custom designed pulleys on request.

optibelt KS V-Grooved Pulleys for Taper Bushings
Profile SPZ



Datum diameter d_d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing	Datum diameter d_d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing
TB SPZ/10						112	1	●	8	1.000	1610
50▲	1	●	11	0.300	1008		2	●	6	1.300	1610
	2	●	11	0.400	1008	3	●	6	1.300	2012	
56▲	1	●	11	0.400	1008	4	●	6	1.500	2012	
	2	●	11	0.500	1108	5	●	6	1.800	2012	
60	1	●	11	0.200	1008	6*	●	6	1.900	2012	
	2	●	11	0.600	1108	118	1	●	8	0.900	1610
63	1	●	8	0.200	1108		2	●	6	1.300	1610
	2	●	6	0.300	1108		3	●	6	1.600	2012
	3	●	6	0.400	1108		4	●	6	1.800	2012
67	1	●	8	0.300	1108		5	●	6	1.800	2012
	2	●	6	0.400	1108		6*	●	6	2.000	2517
	3	●	6	0.500	1108	125	1	●	8	1.000	1610
71	1	●	8	0.300	1108		2	●	6	1.400	1610
	2	●	6	0.400	1108		3	●	2	1.800	2012
	3	●	6	0.600	1108		4	●	2	2.200	2012
75	1	●	8	0.400	1108		5	●	6	2.300	2012
	2	●	6	0.400	1210		6*	●	6	2.500	2517
	3	●	6	0.500	1210	132	1	●	8	1.100	1610
80	1	●	8	0.500	1210		2	●	6	1.500	1610
	2	●	6	0.600	1210		3	●	2	2.300	2012
	3	●	6	0.700	1210		4	●	2	2.500	2012
	4	●	6	0.800	1210		5	●	6	2.700	2517
85	1	●	8	0.600	1210		6*	●	6	2.900	2517
	2	●	6	0.500	1610	140	1	●	8	1.200	1610
	3	●	6	0.600	1610		2	●	2	1.700	1610
	4	●	6	0.900	1610		3	●	2	2.600	2012
	5	●	6	1.000	1610		4	●	2	2.900	2012
90	1	●	8	0.700	1210		5	●	2	3.200	2517
	2	●	6	0.700	1610		6*	●	2	3.500	2517
	3	●	6	0.800	1610	8*	●	4	4.000	2517	
	4	●	6	1.000	1610	150	1	●	8	1.200	1610
	5	●	6	1.200	1610		2	●	8	2.000	2012
95	1	●	8	0.700	1210		3	●	2	3.100	2012
	2	●	6	0.800	1610		4	●	2	3.700	2517
	3	●	6	0.900	1610		5	●	2	4.000	2517
	4	●	6	1.100	1610		6*	●	2	4.400	2517
	5	●	6	1.300	1610	8*	●	4	5.100	2517	
100	1	●	8	0.800	1210	160	1	●	8	1.300	1610
	2	●	6	0.900	1610		2	●	8	2.500	2012
	3	●	6	1.100	1610		3	●	2	3.600	2012
	4	●	6	1.100	1610		4	●	2	4.400	2517
	5	●	6	1.300	2012		5	●	2	4.800	2517
	6*	●	6	1.400	2012		6*	●	2	5.200	2517
106	1	●	8	0.900	1610	8*	●	4	5.600	2517	
	2	●	6	1.100	1610	170	1	●	8	1.500	1610
	3	●	6	1.300	1610		2	●	8	2.500	2012
	4	●	6	1.300	1610		3	○	9	4.200	2012
	5	●	6	1.500	2012		4	●	2	5.300	2517
	6*	●	6	1.600	2012		5	●	2	5.900	2517
					6*		●	2	6.500	2517	



optibelt KS V-Grooved Pulleys for Taper Bushings Profile SPZ

Datum diameter d_d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing	Datum diameter d_d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing	
180	1	●	8	1.600	1610	355	1	x	7	3.500	2012	
	2	●	8	2.500	2012		2	x	7	5.100	2012	
	3	○	9	4.800	2012		3	x	7	7.300	2517	
	4	○	9	6.100	2517		4	x	10	8.900	2517	
	5	○	9	6.300	2517		5	x	10	10.000	2517	
	6*	○	9	6.800	2517		6*	x	10	10.700	2517	
	8*	●	4	7.100	3020		8*	x	10	16.000	3030	
190	1	●	8	1.800	1610	400	1	x	7	6.000	2012	
	2	●	8	2.600	2012		2	x	7	6.300	2517	
	3	○	9	4.900	2012		3	x	7	8.000	2517	
	4	○	9	5.300	2517		4	x	10	10.100	2517	
	5	○	9	6.300	2517		5	x	10	11.700	3020	
	6*	○	9	6.900	2517		6*	x	10	14.500	3020	
200	1	●	8	2.300	2012	450	1	x	7	6.100	2517	
	2	●	8	2.800	2012		2	x	7	8.200	2517	
	3	○	9	3.500	2012		3	x	7	9.800	2517	
	4	○	9	4.700	2517		4	x	10	11.800	3020	
	5	○	9	5.500	2517		5	x	10	13.900	3020	
	6*	○	9	6.100	2517		6*	x	10	16.900	3030	
	8*	●	4	9.300	3020		8*	x	10	24.000	3535	
224	1	○	5	2.500	2012	500	2	x	7	9.100	2517	
	2	○	5	3.200	2012		3	x	7	11.400	2517	
	3	○	9	3.900	2012		4	x	10	14.300	3020	
	4	○	9	5.200	2517		5	x	10	17.600	3020	
	5	○	9	6.000	2517		6*	x	10	19.900	3020	
	6*	○	9	6.600	2517		3*	x	7	15.900	2517	
	8*	●	4	11.800	3020		4*	x	10	20.000	3020	
250	1	x	7	2.800	2012	630	5*	x	10	22.700	3020	
	2	x	7	3.500	2012		6*	x	7	33.600	3535	
	3	x	10	4.300	2012							
	4	x	10	5.700	2517							
	5	x	10	6.400	2517							
	6*	x	10	7.000	2517							
	8*	x	10	10.500	3020							
280	1	x	7	2.900	2012							
	2	x	7	4.000	2012							
	3	x	7	5.300	2517							
	4	x	10	6.400	2517							
	5	x	10	7.100	2517							
	6*	x	10	7.800	2517							
	8*	x	10	10.800	3020							
315	1	x	7	3.100	2012							
	2	x	7	4.200	2012							
	3	x	7	6.100	2517							
	4	x	10	7.600	2517							
	5	x	10	8.600	2517							
	6*	x	10	9.300	2517							

No. of grooves z	1	2	3	4	5	6	8
Face width b_2 (mm)	16	28	40	52	64	76	100

Taper bushing	1008	1108	1210	1610	2012	2517	3020	3535
Bore d_2 (mm) from... to...	10-25	10-28	11-32	14-42	14-50	16-60	25-75	35-90

● Solid pulley ○ Plate pulley (with or without holes) x Spoked pulley
 ▲ only for profile 10
 Material: EN-GJL 200 - DIN EN 1561
 * Non stock items
 Bore diameters d_2 see page 4

Datum diameter d_d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing	Datum diameter d_d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing
TB SPA/13						132	1	●	8	1.600	1610
63▲	1	●	11	0.600	1108		2	●	2	1.800	2012
	2	●	11	0.800	1108		3	●	2	2.300	2012
67▲	1	●	8	0.300	1108		4	●	2	2.600	2517
	2	●	6	0.500	1108		5	●	2	2.900	2517
71▲	1	●	8	0.300	1108	140	1	●	8	1.800	1610
	2	●	6	0.500	1108		2	●	2	2.000	2012
	3	●	6	0.700	1108		3	●	2	2.800	2517
75▲	1	●	8	0.400	1108		4	●	2	3.100	2517
	2	●	6	0.600	1108		5	●	2	3.400	2517
	3	●	6	0.800	1108	150	1	●	8	1.400	1610
80▲	1	●	8	0.500	1210		2	●	2	2.400	2012
	2	●	6	0.600	1210		3	●	2	3.500	2517
	3	●	6	0.900	1210		4	●	2	3.800	2517
85	1	●	8	0.600	1210		5	●	2	4.200	2517
	2	●	6	0.700	1210	160	1	○	5	1.900	1610
	3	●	6	1.000	1210		2	●	2	2.900	2012
90	1	●	8	0.700	1210		3	●	2	3.900	2517
	2	●	6	0.700	1610		4	●	2	4.400	2517
	3	●	6	1.000	1610		5	●	2	5.100	2517
	4	●	6	1.200	1615	170	1	○	5	2.000	1610
95	1	●	8	0.800	1210		2	●	2	3.100	2012
	2	●	6	0.900	1610		3	●	2	4.600	2517
	3	●	6	1.100	1610		4	●	2	5.500	2517
	4	●	6	1.400	1615		5	●	2	5.900	3020
100	1	●	8	0.800	1610	180	1	○	5	2.100	1610
	2	●	6	0.900	1610		2	○	9	3.400	2012
	3	●	2	1.200	1610		3	●	2	5.100	2517
	4	●	2	1.700	1610		4	●	2	5.900	2517
	5	●	6	1.900	1610		5	●	2	6.200	3020
106	1	●	8	0.900	1610	190	1	○	5	2.300	1610
	2	●	6	1.100	1610		2	○	9	3.800	2012
	3	●	2	1.400	1610		3	●	2	5.400	2517
	4	●	6	2.000	2012		4	●	2	6.800	2517
	5	●	6	2.000	2012		5	●	2	7.400	3020
112	1	●	8	1.000	1610	200	1	○	5	2.600	2012
	2	●	6	1.200	1610		2	○	5	4.100	2517
	3	●	6	1.300	2012		3	○	9	4.900	2517
	4	●	6	1.900	2012		4	●	2	7.400	3020
	5	●	6	2.100	2012		5	●	4	8.400	3020
118	1	●	8	1.200	1610	212	1	○	5	2.700	2012
	2	●	6	1.400	1610		2	○	5	4.300	2517
	3	●	2	1.800	2012		3	○	9	5.200	2517
	4	●	2	2.000	2012		4	●	2	7.300	3020
	5	●	2	2.400	2012		5	●	2	8.200	3020
125	1	●	8	1.400	1610	224	1	x	7	2.700	2012
	2	●	2	1.700	1610		2	○	5	4.400	2517
	3	●	2	2.000	2012		3	○	9	5.500	2517
	4	●	2	2.500	2012		4	●	2	7.400	3020
	5	●	2	2.700	2012		5	●	2	8.300	3020



optibelt KS V-Grooved Pulleys for Taper Bushings
Profile SPA

Datum diameter d_d (mm)	No. of grooves	Type	Type No.	Weight without bushing (\approx kg)	Taper bushing	Datum diameter d_d (mm)	No. of grooves	Type	Type No.	Weight without bushing (\approx kg)	Taper bushing
236	1	x	7	2.800	2012						
	2	○	5	4.600	2517						
	3	○	9	5.700	2517						
	4	●	2	7.800	3020						
	5	●	2	8.700	3020						
250	1	x	7	2.900	2012						
	2	x	7	4.800	2517						
	3	○	9	5.900	2517						
	4	○	9	8.000	3020						
	5	○	9	9.000	3020						
280	1	x	7	3.300	2012						
	2	x	7	5.400	2517						
	3	○	9	6.700	2517						
	4	○	9	8.800	3020						
	5	○	5	15.500	3535						
315	1	x	7	3.600	2012						
	2	x	7	6.000	2517						
	3	○	5	8.300	3020						
	4	○	9	9.700	3020						
	5	○	5	17.000	3535						
355	1	x	7	4.200	2012						
	2	x	7	6.700	2517						
	3	x	7	9.200	3020						
	4	x	10	11.000	3020						
	5	x	7	18.600	3535						
400	1	x	7	4.900	2012						
	2	x	7	8.100	2517						
	3	x	7	11.000	3020						
	4	x	10	12.800	3020						
	5	x	7	21.000	3535						
450	1	x	7	7.000	2012						
	2	x	7	10.300	2517						
	3	x	7	14.100	3020						
	4	x	10	15.500	3020						
	5	x	7	24.300	3535						
500	1	x	7	8.000	2517						
	2	x	7	11.600	2517						
	3	x	7	16.000	3020						
	4	x	10	18.200	3020						
	5	x	7	27.300	3535						
560	1	x	7	11.600	2517						
	2	x	7	15.500	3020						
	3	x	7	17.800	3020						
	4	x	7	26.700	3535						
	5	x	7	30.400	3535						
630	1	x	7	10.100	2517						
	2	x	7	16.000	3020						
	3	x	7	22.000	3020						
	4	x	7	30.800	3535						
	5	x	7	33.700	3535						

No. of grooves z	1	2	3	4	5
Face width b_2 (mm)	20	35	50	65	80

Taper bushing	1180	1210	1610	1615	2012	2517	3020	3535
Bore d_2 (mm) from... to...	10-28	11-32	14-42	14-42	14-50	26-60	25-75	35-90

● Solid pulley ○ Plate pulley (with or without holes) x Spoked pulley
▲ only for profile 13
Material: EN-GJL 200 - DIN EN 1561
Bore diameters d_2 see page 4

Datum diameter d_d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing	Datum diameter d_d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing	
TB SPB/17							1	●	1	4.100	1610	
100▲	1	●	1	0.900	1610		2	●	8	4.500	2517	
	2	●	6	1.200	1610		3	●	2	5.500	2517	
	3	●	6	1.700	1610		4	●	4	6.900	2517	
112▲	1	●	1	1.100	1610		5	●	4	7.100	3020	
	2	●	6	1.500	1610		6	●	4	7.700	3020	
	3	●	6	2.000	1610		8	●	4	9.500	3020	
118▲	1	●	1	1.300	1610		190	1	●	8	4.600	2012
	2	●	6	1.700	1610			2	●	8	5.000	2517
	3	●	6	2.300	1610			3	●	2	6.300	2517
125▲	1	●	1	1.500	1610			4	●	4	7.600	2517
	2	●	2	1.900	2012			5	●	4	8.100	3020
	3	●	2	2.400	2012			6	●	4	9.200	3020
	4	●	4	3.000	2012			8	●	4	11.200	3030
132▲	5	●	6	3.500	2012			200	1	●	8	5.000
	1	●	1	1.800	1610		2		●	8	5.400	2517
	2	●	2	2.200	2012		3		●	2	6.500	2517
	3	●	2	2.800	2012		4		●	2	8.800	3020
	4	●	4	3.400	2012		5		●	2	9.100	3020
5	●	4	3.700	2012	6		●		4	10.300	3020	
140	1	●	1	2.300	1610		8	●	4	13.500	3535	
		●	2	2.700	2012		212	1	●	8	4.200	2012
		●	2	3.300	2012			2	●	8	4.900	2517
		●	2	3.700	2517			3	●	2	6.000	2517
		●	2	4.500	2517			4	●	2	9.800	3020
		●	4	4.600	2517			5	●	2	11.000	3020
150	2	●	2	3.100	2012			6	●	4	14.300	3535
		●	2	3.900	2517			8	●	4	16.600	3535
		●	2	4.400	2517			224	1	●	8	4.700
		●	4	5.200	2517		2		●	8	5.300	2517
		●	4	5.600	2517		3		●	2	6.300	2517
		160	3	●	1		2.500		1610	4	●	2
●	2			2.900	2012		5		●	2	12.700	3020
●	2			4.200	2517		6		●	4	17.000	3535
●	4			4.900	2517		8		●	4	19.300	3535
●	4			6.000	2517		10		●	4	21.800	3535
●	4			5.400	3020	236	1		●	8	5.000	2012
170	4	●	1	2.900	1610		2		●	8	5.500	2517
		●	2	3.300	2012		3	x	10	7.000	2517	
		●	2	4.900	2517		4	x	10	14.500	3020	
		●	4	5.700	2517		5	●	6	16.900	3535	
		●	4	6.100	3020		6	●	4	20.000	3535	
		●	4	6.500	3020		8	●	4	22.300	3535	
		●	4	8.000	3020		10	●	4	25.300	3535	



**optibelt KS V-Grooved Pulleys for Taper Bushings
Profile SPB**

Datum diameter d _d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing	Datum diameter d _d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing	
250	1	●	8	5.400	2012	375	2	x	7	9.500	3020	
	2	x	7	5.500	2517		3	x	10	11.500	3020	
	3	●	2	7.700	3020		4	x	10	16.500	3525	
	4	●	2	19.600	3020		6	x	10	25.000	3535	
	5	●	4	21.700	3535		8	x	10	28.000	4040	
	6	●	4	23.300	3535		400	2	x	7	10.000	3020
	8	●	4	27.500	3535			3	x	7	18.300	3535
	10	●	4	29.300	3535			4	x	7	20.500	3535
265	2	●	7	6.200	2517	5		x	10	23.400	3535	
	3	○	9	8.000	3020	6		x	10	25.100	3535	
	4	○	9	9.500	3020	8		x	10	36.500	4040	
	6	○	9	16.700	3525	10*		x	10	41.000	4040	
	8	○	9	24.000	3525	425		2	x	7	11.500	3020
280	1	x	7	6.100	2012		3	x	7	18.000	3535	
	2	x	7	6.800	2517		4	x	7	19.500	3535	
	3	x	10	8.600	3020		6	x	10	25.100	4040	
	4	○	9	10.100	3020		8	x	10	52.500	4545	
	5	○	9	17.800	3535		450	2	x	7	12.100	3020
	6	○	9	19.600	3535			3	x	7	21.900	3535
	8	○	9	26.700	3535			4	x	7	24.500	3535
	10	○	9	30.500	3535	5		x	10	27.300	3535	
300	2	x	7	7.300	2517	6		x	10	35.500	4040	
	3	x	10	9.200	3020	8		x	10	40.900	4040	
	4	○	9	14.300	3020	10*		x	10	53.500	4545	
	5	○	9	18.200	3535	500		2	x	7	13.200	3020
	6	○	9	21.900	3535		3	x	7	23.100	3535	
	8	○	9	26.200	3535		4	x	7	26.600	3535	
315	1	x	7	7.200	2012		5	x	10	29.900	3535	
	2	x	7	7.800	2517		6	x	10	38.900	4040	
	3	x	10	9.600	3020		8	x	10	45.500	4040	
	4	○	5	17.100	3535		10*	x	10	61.000	4545	
	5	○	9	18.800	3535		560	2	x	7	16.500	3030
	6	○	9	23.000	3535	3		x	7	25.900	3535	
	8	○	9	26.000	3535	4		x	7	29.000	3535	
	10	○	9	31.500	3535	5		x	7	35.300	4040	
335	2	x	7	7.800	2517	6		x	10	43.100	4040	
	3	x	10	10.500	3020	8		x	10	49.000	4545	
	4	x	7	18.300	3535	10*		x	10	55.700	4545	
	5	x	10	19.500	3535	630		2	x	7	18.500	3020
	6	x	10	22.000	3535		3	x	7	28.900	3535	
	8	x	10	28.200	3535		4	x	7	33.300	3535	
	10*	x	10	36.000	4040		5	x	7	43.100	4040	
	355	2	x	7	8.700		3020	6	x	10	49.200	4040
3		x	10	10.800	3020		8	x	10	62.000	4545	
4		x	7	18.600	3535		10*	x	10	72.000	4545	
5		x	10	20.800	3535		710	3	x	7	33.200	3535
6		○	9	22.800	3535	4		x	7	39.100	3535	
8		x	10	27.000	3535	5		x	7	50.200	4040	
10*		x	10	38.000	4040	6		x	10	62.300	4545	
						8		x	10	71.000	4545	
					10*	x		10	80.000	4545		



optibelt KS V-Grooved Pulleys for Taper Bushings
Profile SPC

Datum diameter d _d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing	Datum diameter d _d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing
TB SPC/22						335	3	○	5	22.500	3535
200▲	3	●	4	9.000	2517		4	○	9	26.500	3535
	4	●	4	10.500	3020		5	○	9	30.000	3535
	5	●	4	14.000	3535		6	○	9	35.000	3535
	6	●	4	17.000	3535	8	○	9	58.000	4040	
212▲	3	●	4	10.000	3020	355	3	○	5	22.900	3535
	4	●	4	12.500	3020		4	○	9	28.300	3535
	5	●	4	15.000	3535		5	○	9	32.500	3535
	6	●	4	18.000	3535		6	○	9	36.000	3535
224	2	●	4	8.100	3020	375	8	○	9	67.500	4040
	3	●	4	11.000	3020		10*	○	9	121.000	4545
	4	●	4	14.000	3535		3	○	5	23.800	3535
	5	●	4	16.200	3535		4	○	9	30.000	3535
	6	●	4	19.000	3535		5	○	9	33.000	3535
	8	●	4	24.900	3535		6	○	9	45.500	4040
236	3	●	4	12.000	3020	400	8	○	9	68.000	4545
	4	●	4	17.200	3535		3	x	7	24.100	3535
	5	●	4	19.100	3535		4	x	10	28.000	3535
	6	●	4	20.800	3535		5	x	10	34.000	3535
	8	●	4	25.500	3535		6	○	9	48.000	4040
250	2	●	4	9.800	3020	425	8	○	9	65.000	4545
	3	●	4	14.500	3020		10*	○	9	88.000	5050
	4	●	4	20.700	3535		3	x	7	26.000	3535
	5	●	4	22.800	3535		4	x	10	31.000	3535
	6	●	4	26.000	3535		5	○	9	45.000	4040
	8	●	4	29.700	3535		6	○	9	58.000	4545
	10*	●	4	34.000	4040		8	○	9	74.000	4545
265	3	●	8	21.200	3535	450	3	x	7	28.600	3535
	4	○	9	24.000	3535		4	x	10	33.500	3535
	5	○	9	31.200	3535		5	x	10	45.000	4040
	6	○	9	29.000	3535		6	○	9	61.100	4545
	8	○	9	33.300	3535		8	○	9	78.700	5050
280	3	●	8	24.000	3535	475	10*	○	9	101.000	5050
	4	○	9	29.000	3535		3	x	7	40.000	3535
	5	○	9	31.000	3535		4	x	10	47.000	3535
	6	○	9	33.800	3535		5	x	10	47.200	4040
	8	○	9	375.000	3535		6	○	9	62.800	4545
	10*	○	9	45.000	4040		8	○	9	81.500	5050
300	3	○	5	21.000	3535	500	3	x	7	30.900	3535
	4	○	9	25.000	3535		4	x	10	39.000	3535
	5	○	9	28.500	3535		5	x	10	48.700	4040
	6	○	9	29.000	3535		6	x	10	60.200	4545
	8	●	4	46.500	4040		8	○	9	87.400	5050
	10*	○	9	53.500	4545		10*	○	9	127.000	5050
315	3	○	5	21.600	3535	560	3	x	7	36.000	3535
	4	○	9	24.600	3535		4	x	10	50.000	4040
	5	○	9	29.000	3535		5	x	10	63.000	4545
	6	○	9	31.400	3535		6	x	10	77.000	5050
	8	●	4	50.000	4040		8	x	10	94.000	5050
	10*	○	9	58.000	4545		10	○	9	115.000	5050

Datum diameter d_d (mm)	No. of grooves	Type	Weight (\approx kg)	Finished bore hole d_{max} (mm)	Hub length l (mm)	Datum diameter d_d (mm)	No. of grooves	Type	Weight (\approx kg)	Finished bore hole d_{max} (mm)	Hub length l (mm)
SPZ/10											
45▲	1	○	0.200	16	24	140	1	○	0.900	28	24
	2	○	0.300	16	35		2	○	1.400	38	38
	3	○	0.400	16	35		3	○	1.700	38	40
50▲	1	○	0.300	20	24	150	1	x	1.100	28	24
	2	○	0.400	20	35		2	○	1.500	38	38
	3	○	0.500	20	40		3	○	1.900	38	40
56▲	1	○	0.300	20	24	160	1	x	1.200	32	30
	2	○	0.500	25	35		2	x	1.600	38	38
	3	○	0.700	25	40		3	x	2.400	42	40
63	1	○	0.300	25	24	170	1	x	1.700	40	30
	2	○	0.600	25	35		2	x	1.900	40	38
	3	○	0.900	25	40		3	x	3.000	42	40
71	1	○	0.300	25	24	180	1	x	2.100	32	30
	2	○	0.600	25	35		2	x	3.100	38	38
	3	○	1.000	30	40		3	x	3.500	42	40
75	1	○	0.400	24	24	190	1	x	2.300	35	30
	2	○	0.600	24	35		2	x	2.400	35	38
	3	○	1.100	28	40		3	x	4.000	35	40
80	1	○	0.400	25	24	200	1	x	2.400	32	38
	2	○	0.700	30	35		2	x	2.900	38	38
	3	○	1.100	38	35		3	x	4.500	42	40
85	1	○	0.300	25	24	212	1	x	2.600	35	30
	2	○	0.700	30	35		2	x	3.400	35	38
	3	○	1.100	38	35		3	x	5.000	38	40
90	1	○	0.400	25	24	225	1	x	2.800	32	38
	2	○	0.800	30	35		2	x	4.000	38	38
	3	○	1.200	38	38		3	x	5.300	42	40
95	1	○	0.400	28	24	250	1	x	3.300	32	38
	2	○	0.800	28	35		2	x	4.800	38	38
	3	○	1.200	38	38		3	x	6.000	42	40
100	1	○	0.500	28	24	280	1	x	3.900	35	34
	2	○	0.900	30	35		2	x	5.200	42	38
	3	○	1.300	38	38		3	x	7.000	48	40
106	1	○	0.500	30	24	315	1	x	4.400	35	34
	2	○	1.000	28	35		2	x	6.800	42	38
	3	○	1.300	38	38		3	x	8.300	48	40
112	1	○	0.500	28	24	355	1	x	4.600	35	34
	2	○	1.000	30	35		2	x	8.000	42	40
	3	○	1.400	38	38		3	x	10.000	48	45
118	1	○	0.600	28	24						
	2	○	1.100	38	35						
	3	○	1.500	38	38						
125	1	○	0.700	28	24						
	2	○	1.200	38	35						
	3	○	1.600	38	40						
132	1	○	0.800	30	24						
	2	○	1.300	38	35						
	3	○	1.600	40	40						

No. of grooves z	1	2	3
Face width b_2 (mm)	16	28	40

● Solid pulley ○ Plate pulley (with or without holes) x Spoked pulley
▲ only for profile 10
Hub position: one side flush
Material: EN-GJL 200 - DIN EN 1561

Datum diameter d_d (mm)	No. of grooves	Type	Weight (≈kg)	Finished bore hole d_{max} (mm)	Hub length l (mm)	Datum diameter d_d (mm)	No. of grooves	Type	Weight (≈kg)	Finished bore hole d_{max} (mm)	Hub length l (mm)
SPA/13											
50▲	1	○	0.300	18	34	106	1	○	0.900	28	34
	2	○	0.500	18	49		2	○	1.700	28	49
	3	○	0.600	18	47		3	○	2.200	32	42
56▲	1	○	0.400	20	34		4	○	3.200	32	53
	2	○	0.600	20	49		5	○	3.900	35	60
63▲	3	○	0.700	20	47	112	1	○	1.100	28	34
	1	○	0.500	25	34		2	○	1.800	38	49
	2	○	0.800	25	49		3	○	2.400	38	42
	3	○	0.900	25	47		4	○	3.400	42	53
4	○	1.200	25	60	5		○	4.000	42	60	
71▲	5	○	1.500	25	70	118	1	○	1.100	32	34
	1	○	0.500	25	34		2	○	1.800	38	49
	2	○	0.900	28	49		3	○	2.400	42	42
	3	○	1.000	32	42		4	○	3.400	42	53
	4	○	1.500	32	60		5	○	4.100	48	65
75▲	5	○	1.800	32	70	125	1	○	1.400	32	34
	1	○	0.500	24	34		2	○	1.900	38	49
	2	○	1.000	24	49		3	○	2.600	42	42
	3	○	1.100	24	42		4	○	3.500	42	53
	4	○	1.800	24	60		5	○	4.400	48	65
80▲	5	○	1.900	28	82	132	1	○	1.500	32	34
	1	○	0.600	28	34		2	○	2.200	38	49
	2	○	1.000	32	49		3	○	2.600	42	42
	3	○	1.200	38	42		4	○	3.600	42	53
	4	○	1.900	38	60		5	○	4.800	48	65
85	5	○	2.000	38	55	140	1	○	1.500	32	34
	1	○	0.600	24	34		2	○	2.300	38	49
	2	○	1.200	28	49		3	○	2.600	42	42
	3	○	1.400	28	42		4	○	3.700	42	53
	4	○	2.000	28	53		5	○	5.000	48	65
90	5	○	2.200	32	55	150	1	x	1.600	38	36
	1	○	0.900	28	34		2	x	2.600	38	49
	2	○	1.500	32	49		3	○	3.000	42	42
	3	○	1.600	38	42		4	○	4.000	42	53
	4	○	2.200	42	53		5	○	5.200	48	65
95	5	○	2.500	42	67	160	1	x	1.800	38	36
	1	○	0.800	28	34		2	x	2.400	38	49
	2	○	1.600	28	49		3	x	2.800	42	42
	3	○	1.900	28	42		4	○	3.600	48	60
	4	○	2.500	32	53		5	○	5.500	48	70
100	5	○	2.800	35	67	170	1	x	2.000	35	36
	1	○	0.800	28	34		2	x	2.900	35	49
	2	○	1.400	32	49		3	x	3.200	35	42
	3	○	2.000	38	42		4	x	4.200	35	60
	4	○	2.700	42	53		5	x	5.800	38	70
	5	○	3.100	42	60	180	1	x	2.000	38	36
	1	○	0.800	28	34		2	x	3.200	42	49
	2	○	1.400	32	49		3	x	3.600	42	42
	3	○	2.000	38	42		4	x	4.700	48	60
	4	○	2.700	42	53		5	x	6.100	48	70



optibelt KS V-Grooved Pulleys for Plain Boring Profile SPA

Datum diameter d_d (mm)	No. of grooves	Type	Weight (\approx kg)	Finished bore hole d_{max} (mm)	Hub length l (mm)	Datum diameter d_d (mm)	No. of grooves	Type	Weight (\approx kg)	Finished bore hole d_{max} (mm)	Hub length l (mm)
190	1	x	2.000	38	36	400	1	x	6.900	50	50
	2	x	3.200	42	49		2	x	8.800	55	53
	3	x	4.000	42	42		3	x	10.500	60	47
	4	x	5.200	48	60		4	x	12.400	60	67
	5	x	6.300	48	70		5	x	15.900	60	82
200	1	x	2.400	38	36	450	1	x	7.500	55	50
	2	x	2.900	42	49		2	x	9.400	55	53
	3	x	4.200	48	42		3	x	12.200	60	47
	4	x	5.000	55	60		4	x	14.200	65	67
	5	x	6.500	55	70		5	x	18.300	65	82
212	1	x	2.700	40	36	500	1	x	10.500	55	50
	2	x	3.400	42	49		2	x	10.700	55	55
	3	x	4.400	42	42		3	x	13.500	60	60
	4	x	5.700	42	60		4	x	16.300	65	67
	5	x	6.900	42	70		5	x	22.800	65	82
225	1	x	2.800	40	36	560	1	x	14.000	55	60
	2	x	3.900	42	49		2	x	13.100	55	60
	3	x	4.600	42	42		3	x	15.600	60	74
	4	x	6.500	42	60		4	x	19.400	65	67
	5	x	7.300	42	70		5	x	24.500	65	82
236	1	x	3.300	38	36						
	2	x	4.100	42	49						
	3	x	4.900	48	47						
	4	x	6.200	55	60						
	5	x	7.500	55	70						
250	1	x	3.400	42	36						
	2	x	4.300	48	49						
	3	x	5.300	48	47						
	4	x	7.000	55	60						
	5	x	7.900	60	70						
280	1	x	3.900	42	44						
	2	x	5.400	48	53						
	3	x	6.500	48	47						
	4	x	8.500	55	60						
	5	x	9.900	60	70						
300	1	x	4.300	48	44						
	2	x	5.900	48	53						
	3	x	7.500	55	47						
	4	x	9.800	55	60						
	5	x	11.300	60	70						
315	1	x	4.800	48	44						
	2	x	6.600	48	53						
	3	x	8.800	55	47						
	4	x	11.100	55	60						
	5	x	10.500	60	70						
355	1	x	5.500	48	44						
	2	x	7.700	55	53						
	3	x	9.600	55	47						
	4	x	11.800	55	60						
	5	x	13.800	60	70						

No. of grooves z	1	2	3	4	5
Face width b_2 (mm)	20	35	50	67	82

● Solid pulley ○ Plate pulley (with or without holes) x Spoked pulley
 ▲ only for profile 13
 Hub position: one side flush
 Material: EN-GJL 200 - DIN EN 1561

Datum diameter d_d (mm)	No. of grooves	Type	Weight (≈kg)	Finished bore hole d_{max} (mm)	Hub length l (mm)	Datum diameter d_d (mm)	No. of grooves	Type	Weight (≈kg)	Finished bore hole d_{max} (mm)	Hub length l (mm)
SPB/17											
56▲	1	○	0.600	20	41	118▲	1	○	1.600	32	41
	2	○	1.000	20	60		2	○	2.400	38	60
	3	○	1.100	22	62		3	○	3.200	42	55
63▲	1	○	0.800	20	41		4	○	5.200	42	70
	2	○	1.200	20	60		5	○	7.200	42	75
	3	○	1.200	22	62		6	○	6.600	42	85
71▲	1	○	0.800	22	41	125▲	1	○	1.700	32	41
	2	○	1.300	22	60		2	○	2.600	38	60
	3	○	1.600	22	55		3	○	3.300	42	55
75▲	1	○	0.800	25	41		4	○	4.700	42	70
	2	○	1.400	25	60		5	○	8.600	42	75
	3	○	1.900	25	62		6	○	8.000	48	85
80▲	1	○	1.000	28	41	132▲	1	○	1.900	30	41
	2	○	1.700	28	60		2	○	2.600	30	60
	3	○	2.100	28	55		3	○	3.500	42	55
	4	○	2.400	28	70		4	○	6.300	42	70
	5	○	2.700	28	80		5	○	9.400	42	75
85▲	1	○	1.100	30	41		6	○	8.500	42	85
	2	○	1.700	30	60	140	1	○	2.100	32	41
	3	○	2.200	30	55		2	○	2.900	38	60
	4	○	2.700	30	70		3	○	3.900	42	55
	5	○	3.000	30	75		4	○	6.900	42	70
90▲	1	○	1.200	32	41		5	○	7.600	48	75
	2	○	1.800	38	60		6	○	11.400	48	85
	3	○	2.300	38	55	150	1	○	2.400	32	43
	4	○	3.100	38	70		2	○	3.200	38	48
	5	○	3.300	38	75		3	○	4.300	42	60
95▲	1	○	1.300	35	41		4	○	6.800	42	70
	2	○	2.000	38	60		5	○	8.400	48	75
	3	○	2.500	38	67		6	○	12.100	48	85
	4	○	2.900	38	70	160	1	x	2.500	38	43
	5	○	3.600	38	75		2	x	3.300	42	48
100▲	1	○	1.300	32	41		3	x	4.600	48	60
	2	○	2.100	38	60		4	○	7.000	48	70
	3	○	2.900	38	55		5	○	9.400	48	75
	4	○	3.800	38	70		6	○	12.900	55	85
	5	○	4.500	38	75	170	1	x	2.900	42	43
	6	○	5.200	38	124		2	x	3.400	42	48
106▲	1	○	1.500	28	41		3	x	4.900	42	60
	2	○	2.000	28	60		4	○	7.200	48	70
	3	○	3.000	30	55		5	○	8.900	48	75
	4	○	4.300	30	70		6	○	13.100	48	85
	5	○	5.100	32	75	180	1	x	3.100	38	43
	6	○	6.000	32	124		2	x	3.900	42	48
112▲	1	○	1.500	32	41		3	x	5.300	48	60
	2	○	2.400	38	60		4	x	7.400	48	70
	3	○	3.100	38	55		5	○	9.100	55	75
	4	○	4.800	42	67		6	○	10.800	60	85
	5	○	5.600	42	75						
	6	○	6.200	42	85						



optibelt KS V-Grooved Pulleys for Plain Boring Profile SPB

Datum diameter d_d (mm)	No. of grooves	Type	Weight (\approx kg)	Finished bore hole d_{max} (mm)	Hub length l (mm)	Datum diameter d_d (mm)	No. of grooves	Type	Weight (\approx kg)	Finished bore hole d_{max} (mm)	Hub length l (mm)
190	1	x	3.200	42	43	355	1	x	7.000	48	49
	2	x	4.200	42	48		2	x	9.700	55	55
	3	x	5.500	42	60		3	x	13.400	55	67
	4	x	7.700	48	70		4	x	18.300	60	80
	5	○	9.200	50	75		5	x	18.800	65	75
	6	○	12.000	55	85		6	x	19.800	75	90
200	1	x	3.400	38	43	400	1	x	8.500	50	49
	2	x	4.500	42	48		2	x	10.000	55	55
	3	x	5.900	48	60		3	x	14.300	60	67
	4	x	8.000	50	60		4	x	18.500	65	80
	5	○	9.500	55	80		5	x	22.500	70	85
	6	○	12.200	60	90		6	x	28.000	75	90
212	1	x	3.800	42	43	450	1	x	9.900	50	55
	2	x	4.700	42	48		2	x	10.900	55	55
	3	x	6.200	48	60		3	x	15.100	60	67
	4	x	7.700	50	70		4	x	20.500	65	80
	5	x	10.300	50	80		5	x	26.000	70	80
	6	○	13.500	55	90		6	x	28.900	75	90
225	1	x	4.000	42	43	500	1	x	10.700	50	55
	2	x	5.400	42	48		2	x	13.700	60	59
	3	x	6.900	48	60		3	x	15.200	65	67
	4	x	8.600	55	70		4	x	21.300	70	80
	5	○	11.700	50	90		5	x	30.000	75	80
	6	○	14.800	55	90		6	x	33.800	80	90
250	1	x	4.200	42	43	560	2	x	15.000	60	55
	2	x	6.100	48	55		3	x	24.200	65	67
	3	x	8.600	55	60		4	x	26.000	70	80
	4	x	9.800	60	70		5	x	34.400	75	80
	5	x	13.200	65	80		6	x	39.000	80	90
	6	x	17.000	65	90						
280	1	x	5.700	48	49	630	2	x	20.200	60	80
	2	x	7.000	48	55		3	x	27.000	65	80
	3	x	9.700	55	60		4	x	30.800	75	86
	4	x	11.500	60	70		5	x	37.200	80	90
	5	x	15.500	65	80		6	x	44.000	90	100
	6	x	18.000	65	90						
300	1	x	5.900	48	49						
	2	x	7.500	48	55						
	3	x	10.500	55	67						
	4	x	12.400	60	80						
	5	x	16.500	65	80						
	6	x	18.300	70	90						
315	1	x	6.400	48	49						
	2	x	8.200	55	55						
	3	x	12.900	55	67						
	4	x	13.000	60	80						
	5	x	17.600	65	80						
	6	x	20.600	75	90						

No. of grooves z	1	2	3	4	5	6
Face width b_2 (mm)	25	44	63	86	105	124

● Solid pulley ○ Plate pulley (with or without holes) x Spoked pulley
 ▲ only for profile 17
 Hub position: one side flush
 Material: EN-GJL 200 - DIN EN 1561

Datum diameter d_d (mm)	No. of grooves	Type	Weight (=kg)	Finished bore hole d_{max} (mm)	Hub length l (mm)	Datum diameter d_d (mm)	No. of grooves	Type	Weight (=kg)	Finished bore hole d_{max} (mm)	Hub length l (mm)
SPC/22											
180	1*	○	4.200	40	54	450	2*	x	21.100	70	80
	2*	○	7.200	50	64		3*	x	26.300	75	90
	3*	○	10.400	55	90		4*	x	31.100	75	105
	4*	○	10.500	55	95		5*	x	42.200	80	110
	5*	○	18.000	60	100		6*	x	48.500	80	120
	6*	○	23.600	65	115						
200	1*	○	4.800	40	54	500	3*	x	28.400	75	90
	2*	○	7.800	50	64		4*	x	34.100	75	105
	3*	○	8.800	55	90		5*	x	48.200	80	110
	4*	○	11.200	60	95		6*	x	52.500	80	120
	5*	○	15.400	65	100						
	6*	○	27.000	70	125						
225	1*	x	5.500	48	54	560	3*	x	31.100	75	90
	2*	x	7.800	52	64		4*	x	39.000	75	105
	3*	x	10.600	52	90		5*	x	54.100	80	110
	4*	x	13.100	55	95		6*	x	61.500	85	120
	5*	x	16.700	60	100						
	6*	x	35.000	60	115						
250	1*	x	7.300	52	54	630	3*	x	38.500	80	90
	2*	x	8.800	52	64		4*	x	48.100	80	105
	3*	x	11.000	65	90		5*	x	62.200	85	110
	4*	x	15.300	70	95		6*	x	73.200	85	120
	5*	x	19.000	75	100						
	6*	x	23.700	60	115						
280	1*	x	8.700	52	54						
	2*	x	10.900	55	64						
	3*	x	15.600	70	90						
	4*	x	17.500	75	95						
	5*	x	20.500	75	100						
	6*	x	23.700	60	115						
315	1*	x	9.100	52	54						
	2*	x	13.000	55	74						
	3*	x	17.100	70	90						
	4*	x	20.000	75	95						
	5*	x	24.700	80	100						
	6*	x	31.200	85	115						
335	2*	x	14.000	55	74						
	3*	x	18.300	55	90						
	4*	x	22.400	60	95						
	5*	x	28.300	65	100						
	6*	x	34.400	75	115						
	2*	x	15.200	60	74						
355	3*	x	19.200	70	90						
	4*	x	25.800	70	95						
	5*	x	32.000	75	100						
	6*	x	36.200	75	115						
	3*	x	20.600	70	90						
	400	4*	x	28.000	70	105					
5*		x	32.000	75	100						

No. of grooves z	1	2	3	4	5	6
Face width b_2 (mm)	38	64	90	116	142	168

● Spoiled pulley ○ Plate pulley (with or without holes) x Spoked pulley
 * Non stock items
 Hub position: one side flush
 Material: EN-GJL 200 - DIN EN 1561