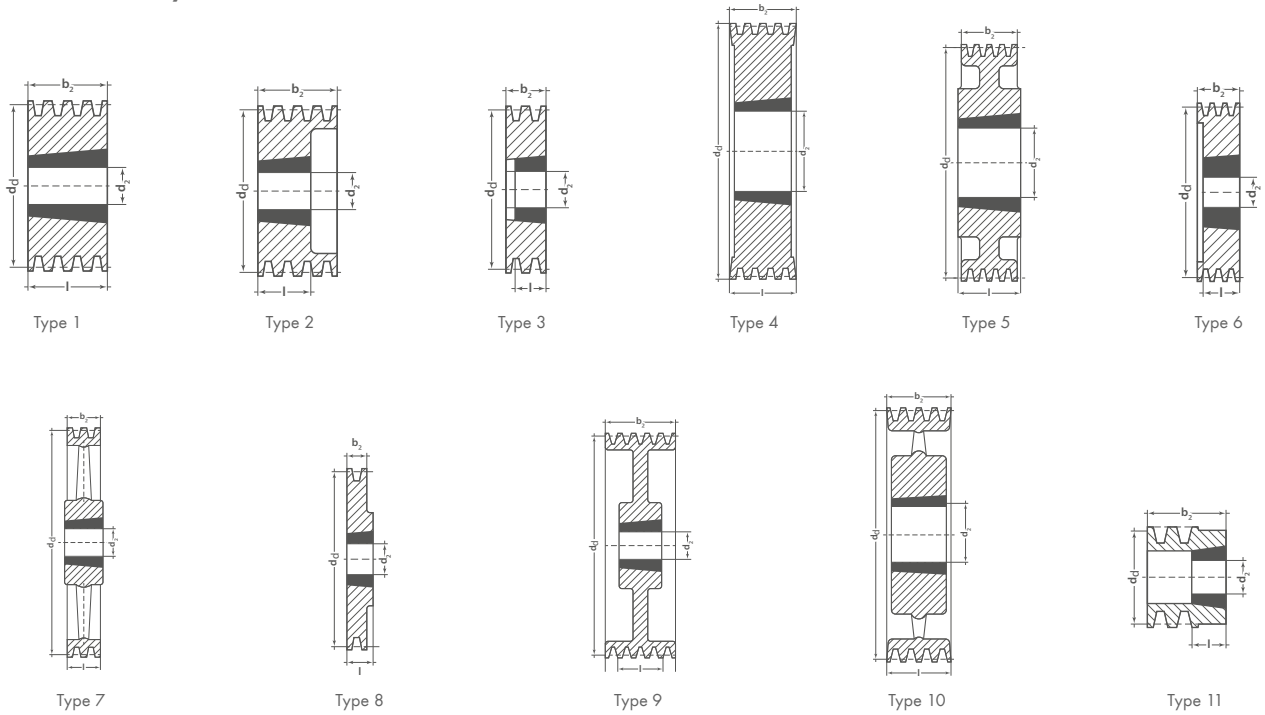


**Types V-Grooved Pulleys:**



We reserve the right to make technical changes.

**Balancing:**

The list prices apply, to cast iron pulleys balanced in one plane as follows: Grade G 6,3 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.

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 set screws
	price per item € without keyway	price per item € with keyway	price per item € without keyway	price per item € with keyway	price per item € without keyway	price per item € with keyway	price per item €
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 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	
<b>TB SPC/22</b>						<b>TB SPC/22</b>						
200	3	●	4	9.0	2517	335	3	x	7	22.5	3535	
	4	●	4	10.5	3020		4	x	10	26.5	3535	
	5	●	4	14.0	3535		5	x	10	30.0	3535	
	6	●	4	17.0	3535		6	x	10	35.0	3535	
212	3	●	4	10.0	3020		8	○	9	58.0	4040	
	4	●	4	12.5	3020		10	●	4	77.0	4545	
	5	●	4	15.0	3535		12	●	4	82.0	5050	
	6	●	4	18.0	3535		355	3	x	7	28.0	3535
224	3	●	4	11.0	3020			4	x	10	31.0	3535
	4	●	4	14.0	3535			5	x	10	34.0	3535
	5	●	4	16.2	3535			6	x	10	37.5	3535
	6	●	4	19.0	3535			8	x	10	49.5	4040
236	8	●	4	24.9	3535	10		●	4	84.0	4545	
	3	●	4	12.0	3020	12		●	4	86.0	5050	
	4	●	4	17.2	3535	375		3	x	7	23.8	3535
	5	●	4	19.1	3535			4	x	10	30.0	3535
6	●	4	20.8	3535	5			x	10	33.0	3535	
8	●	4	25.5	3535	6			x	10	45.5	4040	
250	3	●	4	14.5	3020			8	x	10	68.0	4545
	4	●	4	20.7	3535		10	○	9	88.0	4545	
	5	●	4	22.8	3535		12	●	4	92.0	5050	
	6	●	4	26.0	3535		400	3	x	7	24.1	3535
8	●	4	29.7	3535	4			x	10	28.0	3535	
10	●	4	34.0	4040	5			x	10	34.0	3535	
265	3	●	8	21.2	3535			6	x	10	48.0	4040
	4	●	4	24.0	3535			8	x	10	65.0	4545
	5	●	4	31.2	3535	10		○	9	88.0	5050	
	6	●	4	29.0	3535	12		○	9	98.0	5050	
280	8	●	4	33.3	3535	425		3	x	7	26.0	3535
	3	●	8	24.0	3535			4	x	10	31.0	3535
	4	○	9	29.0	3535			5	x	10	45.0	3535
	5	○	9	31.0	3535			6	x	10	58.0	4040
300	6	○	9	33.8	3535			8	x	10	74.0	4545
	8	●	4	37.5	3535		10	○	9	96.0	5050	
	10	●	4	45.0	4040		12	○	9	100.0	5050	
	3	x	7	21.0	3535		450	3	x	7	28.6	3535
4	○	9	25.0	3535	4			x	10	33.5	3535	
5	○	9	28.5	3535	5			x	10	45.0	4040	
6	○	9	29.0	3535	6			x	10	61.1	4545	
315	8	●	4	46.5	4040			8	x	10	78.7	5050
	10	●	4	53.5	4545	10		x	10	101.0	5050	
	12	●	4	69.0	5050	12		○	9	113.0	5050	
	3	x	7	21.6	3535	475		3	x	7	40.0	3535
4	x	10	24.6	3535	4			x	10	47.0	3535	
5	x	10	29.0	3535	5			x	10	47.2	4040	
6	x	10	31.4	3535	6			x	10	62.8	4545	
8	●	4	50.0	4040	8			x	10	81.5	5050	
10	●	4	58.0	4545	10		x	10	90.0	5050		
12	●	4	69.0	5050	12		○	9	120.0	5050		

# optibelt KS V-Grooved Pulleys for Taper Bushings Profile SPC



Datum diameter d <sub>2</sub> (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing						
500	3	x	7	30.9	3535						
	4	x	10	39.0	3535						
	5	x	10	48.7	4040						
	6	x	10	60.2	4545						
	8	x	10	87.4	5050						
	10	x	10	105.0	5050						
560	12	○	9	127.0	5050						
	3	x	7	36.0	3535						
	4	x	10	50.0	4040						
	5	x	10	63.0	4545						
	6	x	10	77.0	5050						
	8	x	10	94.0	5050						
630	10	x	10	115.0	5050						
	12	x	10	145.0	5050						
	3	x	7	48.5	4040						
	4	x	7	61.0	4545						
	5	x	10	77.0	5050						
	6	x	10	86.0	5050						
710	8	x	10	105.5	5050						
	10	x	10	130.0	5050						
	12	x	10	160.0	5050						
	3*	x	7	62.5	4040						
	4*	x	7	78.6	5050						
	5	x	10	89.6	5050						
800	6	x	10	99.4	5050						
	8	x	10	117.5	5050						
	10	x	10	137.1	5050						
	12	x	10	170.0	5050						
	3*	x	7	72.0	4545						
	4*	x	7	90.8	5050						
1000	5	x	10	102.5	5050						
	6	x	10	113.7	5050						
	8	x	10	136.6	5050						
	10	x	10	160.7	5050						
	12	x	10	220.0	5050						
	5	x	10	134.0	5050						
1250	6	x	10	150.0	5050						
	8	x	10	181.4	5050						
	10	x	10	217.2	5050						
	12*	x	10	270.0	5050						
1250	5	x	10	177.6	5050						
	6	x	10	201.4	5050						
	8	x	10	243.7	5050						
	10	x	10	292.1	5050						
1250	12	x	10	310.0	5050						

No. of grooves z	2	3	4	5	6	8	10
Face width b <sub>2</sub> (mm)	59.50	85.00	110.50	136.00	161.50	212.50	263.50

Taper bushing	2517	3020	3535	4040	4545	5050
Bore d <sub>2</sub> (mm) from ... to ...	16-65	25-75	35-90	40-100	55-110	70-125

● Solid pulley ○ Plate pulley (with or without holes) x Spoked pulley  
Material: EN-GJL 200  
\* Non stock items  
Bore diameters d<sub>2</sub> see page 4

**We reserve the right to make technical changes.**

optibelt **KS V-Grooved Pulleys for Plain Boring**  
Profile SPC



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)
<b>SPC/22</b>											
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	20.500	75	100						
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						
355	2*	x	15.200	60	74						
	3*	x	19.200	70	90						
	4*	x	25.800	70	95						
	5*	x	32.000	75	100						
	6*	x	36.200	75	115						
400	3*	x	20.600	70	90						
	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

**We reserve the right to make technical changes.**