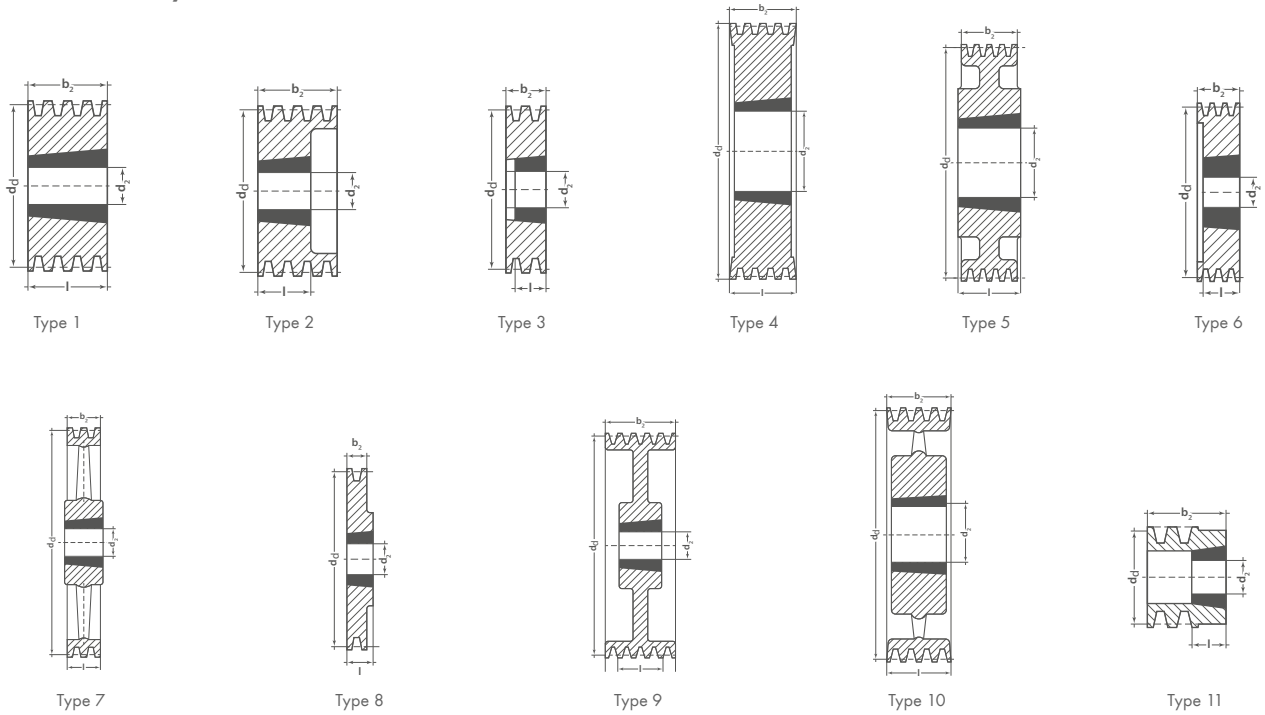


Types V-Grooved Pulleys:



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 SPA



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	1.6	1610
63	1	●	8	0.6	1008		2	●	6	1.8	2012
	2	●	6	0.8	1008		3	●	2	2.3	2012
67	1	●	8	0.3	1108		4	●	2	2.6	2517
	2	●	6	0.5	1108		5	●	4	2.9	2517
71	1	●	8	0.3	1108	140	1	●	8	1.8	1610
	2	●	6	0.5	1108		2	●	6	2.0	2012
	3	●	6	0.7	1108		3	●	6	2.8	2517
75	1	●	8	0.4	1108		4	●	2	3.1	2517
	2	●	6	0.6	1108		5	●	4	3.4	2517
	3	●	6	0.8	1108	150	1	●	8	1.4	1610
80	1	●	8	0.5	1210		2	●	6	2.4	2012
	2	●	6	0.6	1210		3	●	6	3.5	2517
	3	●	6	0.9	1210		4	●	2	3.8	2517
85	1	●	8	0.6	1210		5	●	4	4.2	2517
	2	●	6	0.7	1210	160	1	●	8	1.9	1610
	3	●	6	1.0	1210		2	●	6	2.9	2012
90	1	●	8	0.7	1210		3	●	6	3.9	2517
	2	●	6	0.7	1610		4	●	2	4.4	2517
	3	●	6	1.0	1610		5	●	4	5.1	2517
	4	●	6	1.2	1615	170	1	●	8	2.0	1610
95	1	●	8	0.8	1210		2	●	6	3.1	2012
	2	●	6	0.9	1610		3	●	6	4.6	2517
	3	●	6	1.1	1610		4	●	2	5.5	2517
	4	●	6	1.4	1615		5	●	4	5.9	2517
100	1	●	8	0.8	1610	180	1	x	7	2.1	1610
	2	●	6	0.9	1610		2	○	9	3.4	2012
	3	●	2	1.2	1610		3	●	6	5.1	2517
	4	●	2	1.7	1615		4	●	2	5.9	2517
	5	●	2	1.9	1615		5	●	4	6.2	3020
106	1	●	8	0.9	1610	190	1	x	7	2.3	1610
	2	●	6	1.1	1610		2	○	9	3.8	2012
	3	●	2	1.4	1610		3	●	6	5.4	2517
	4	●	6	2.0	2012		4	●	2	6.8	2517
	5	●	6	2.0	2012		5	●	2	7.4	3020
112	1	●	8	1.0	1610	200	1	x	7	2.6	2012
	2	●	6	1.2	1610		2	○	5	4.1	2517
	3	●	6	1.3	2012		3	○	9	4.9	2517
	4	●	6	1.9	2012		4	●	2	7.4	3020
	5	●	6	2.1	2012		5	●	4	8.4	3020
118	1	●	8	1.2	1610	212	1	x	7	2.7	2012
	2	●	6	1.4	1610		2	x	7	4.3	2517
	3	●	2	1.8	2012		3	x	10	5.2	2517
	4	●	2	2.0	2012		4	●	2	7.3	3020
	5	●	2	2.4	2012		5	●	2	8.2	3020
125	1	●	8	1.4	1610	224	1	x	7	2.7	2012
	2	●	6	1.7	1610		2	x	7	4.4	2517
	3	●	2	2.0	2012		3	x	10	5.5	2517
	4	●	2	2.5	2012		4	●	2	7.4	3020
	5	●	4	2.7	2012		5	●	2	8.3	3020

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	2.8	2012	630	1*	x	7	10.1	2517
	2	x	7	4.6	2517		2*	x	7	16.0	3020
	3	x	10	5.7	2517		3	x	7	22.0	3020
	4	○	9	7.8	3020		4	x	7	30.8	3535
	5	○	9	8.7	3020		5	x	7	33.7	3535
250	1	x	7	2.9	2012						
	2	x	7	4.8	2517						
	3	x	10	5.9	2517						
	4	x	10	8.0	3020						
	5	○	9	9.0	3020						
280	1	x	7	3.3	2012						
	2	x	7	5.4	2517						
	3	x	10	6.7	2517						
	4	x	10	8.8	3020						
	5	x	7	15.5	3535						
300	1	x	7	4.5	2012						
	2	x	7	6.8	2517						
	3	x	10	8.2	3020						
	4	x	10	11.3	3020						
	5	○	5	19.0	3535						
315	1	x	7	3.6	2012						
	2	x	7	6.0	2517						
	3	x	7	8.3	3020						
	4	x	10	9.7	3020						
	5	x	7	17.0	3535						
355	1	x	7	4.2	2012						
	2	x	7	6.7	2517						
	3	x	7	9.2	3020						
	4	x	10	11.0	3020						
	5	x	7	18.6	3535						
400	1	x	7	4.9	2012						
	2	x	7	8.1	2517						
	3	x	7	11.0	3020						
	4	x	10	12.8	3020						
	5	x	7	21.0	3535						
450	1*	x	7	7.0	2012						
	2	x	7	10.3	2517						
	3	x	7	14.1	3020						
	4	x	10	15.5	3020						
	5	x	7	24.3	3535						
500	1*	x	7	8.0	2517						
	2	x	7	11.6	2517						
	3	x	7	16.0	3020						
	4	x	10	18.2	3020						
	5	x	7	27.3	3535						
560	1*	x	7	11.6	2517						
	2	x	7	15.5	3020						
	3	x	7	17.8	3020						
	4	x	7	26.7	3535						
	5	x	7	30.4	3535						

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

Taper bushing	1008	1108	1210	1610	1615	2012	2517	3020	3535
Bore d_2 (mm) from... to..	10-25	10-28	11-32	14-42	14-42	14-50	16-65	25-75	35-90

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

We reserve the right to make technical changes.

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

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

We reserve the right to make technical changes.