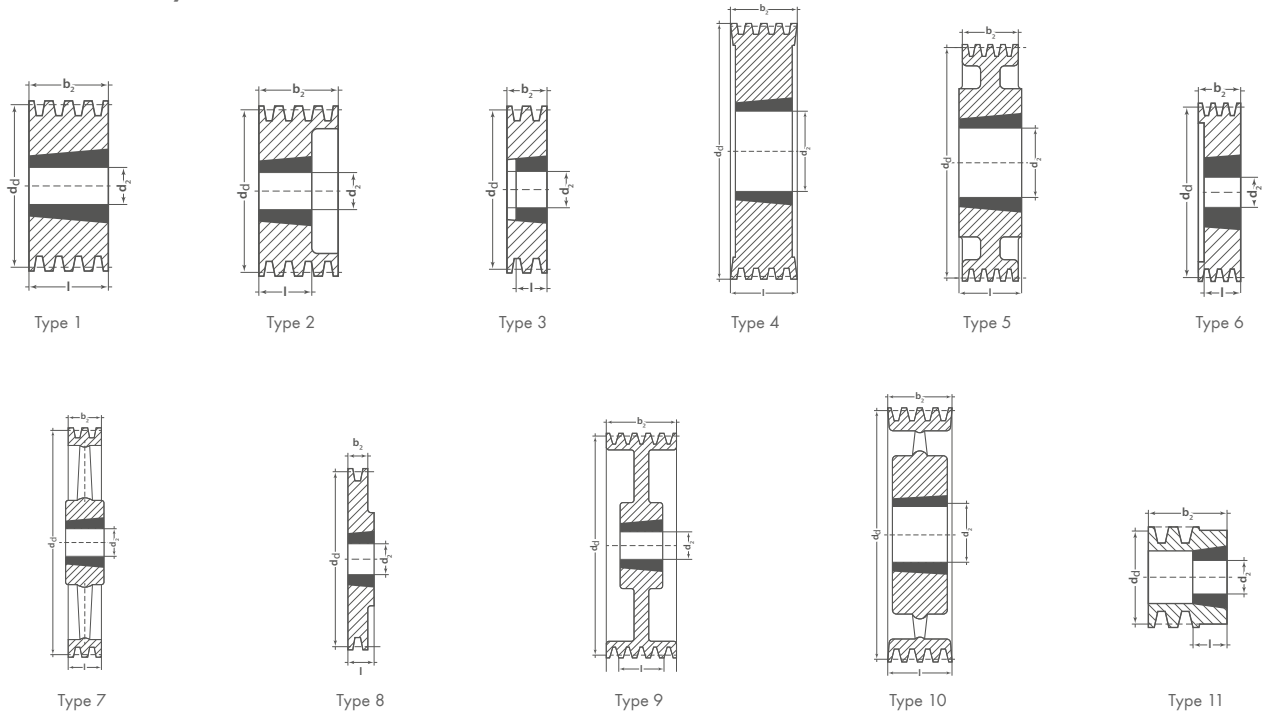


Types V-Grooved Pulleys:


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 $\varnothing d_2 \leq 400$ mm at $n = 1500$ rpm, for $\varnothing d_2 > 400$ 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 $d_2 : b_2 < 4$ 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 **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	1.0	1610
50	1	●	11	0.3	1008		2	●	6	1.3	1610
	2	●	11	0.4	1008		3	●	6	1.3	2012
56	1	●	11	0.4	1008		4	●	6	1.5	2012
	2	●	11	0.5	1108		5	●	6	1.8	2012
60	1	●	8	0.2	1008		6*	●	6	1.9	2012
63	2	●	11	0.6	1108	118	1	●	8	0.9	1610
	1	●	8	0.2	1108		2	●	6	1.3	1610
	2	●	6	0.3	1108		3	●	6	1.6	2012
	3	●	6	0.4	1108		4	●	6	1.8	2012
67	1	●	8	0.3	1108		5	●	6	1.8	2012
	2	●	6	0.4	1108		6*	●	6	2.0	2517
	3	●	6	0.5	1108	125	1	●	8	1.0	1610
71	1	●	8	0.3	1108		2	●	6	1.4	1610
	2	●	6	0.4	1108		3	●	2	1.8	2012
	3	●	6	0.6	1108		4	●	2	2.2	2012
	3	●	6	0.6	1108		5	●	6	2.3	2012
75	1	●	8	0.4	1108		6*	●	6	2.5	2517
	2	●	6	0.4	1210	132	1	●	8	1.1	1610
	3	●	6	0.5	1210		2	●	6	1.5	1610
80	1	●	8	0.5	1210		3	●	2	2.3	2012
	2	●	6	0.6	1210		4	●	2	2.5	2012
	3	●	6	0.7	1210		5	●	6	2.7	2517
	4	●	6	0.8	1210		6*	●	6	2.9	2517
	4	●	6	0.8	1210	140	1	●	8	1.2	1610
85	1	●	8	0.6	1210		2	●	6	1.7	1610
	2	●	6	0.5	1610		3	●	2	2.6	2012
	3	●	6	0.6	1610		4	●	2	2.9	2012
	4	●	6	0.9	1610		5	●	2	3.2	2517
	5	●	6	1.0	1610		6*	●	2	3.5	2517
90	1	●	8	0.7	1210		8*	●	4	4.0	2517
	2	●	6	0.7	1610	150	1	●	8	1.2	1610
	3	●	6	0.8	1610		2	●	8	2.0	2012
	4	●	6	1.0	1610		3	●	2	3.1	2012
	5	●	6	1.2	1610		4	●	2	3.7	2517
95	1	●	8	0.7	1210		5	●	2	4.0	2517
	2	●	6	0.8	1610		6*	●	2	4.4	2517
	3	●	6	0.9	1610		8*	●	4	5.1	2517
	4	●	6	1.1	1610	160	1	●	8	1.3	1610
	5	●	6	1.3	1610		2	●	8	2.5	2012
100	1	●	8	0.8	1210		3	●	2	3.6	2012
	2	●	6	0.9	1610		4	●	2	4.4	2517
	3	●	6	1.1	1610		5	●	2	4.8	2517
	4	●	6	1.1	1610		6*	●	2	5.2	2517
	5	●	6	1.3	2012		8*	●	4	5.6	2517
	6*	●	6	1.4	2012	170	1	●	8	1.5	1610
106	1	●	8	0.9	1610		2	●	8	2.5	2012
	2	●	6	1.1	1610		3	●	4	4.2	2012
	3	●	6	1.3	1610		4	●	2	5.3	2517
	4	●	6	1.3	1610		5	●	2	5.9	2517
	5	●	6	1.5	2012		6*	●	2	6.5	2517
	6*	●	6	1.6	2012		6*	●	2	6.5	2517

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	x	7	1.6	1610	355	1	x	7	3.5	2012
	2	○	5	2.5	2012		2	x	7	5.1	2012
	3	○	9	4.8	2012		3	x	7	7.3	2517
	4	●	2	6.1	2517		4	x	10	8.9	2517
	5	●	2	6.3	2517		5	x	10	10.0	2517
	6*	●	4	6.8	2517		6*	x	10	10.7	2517
	8*	●	4	7.1	2517		8*	x	10	16.0	3030
190	1	x	7	1.8	1610	400	1	x	7	6.0	2012
	2	○	5	2.6	2012		2	x	7	6.3	2517
	3	○	9	4.9	2012		3	x	7	8.0	2517
	4	○	9	5.3	2517		4	x	10	10.1	2517
	5	○	9	6.3	2517		5	x	10	11.7	3020
	6*	○	9	6.9	2517		6*	x	10	14.5	3030
200	1	x	7	2.3	2012	450	8*	x	10	18.2	3030
	2	x	7	2.8	2012		1*	x	7	6.1	2517
	3	x	10	3.5	2012		2*	x	7	8.2	2517
	4	○	9	4.7	2517		3*	x	7	9.8	2517
	5	○	9	5.5	2517		4*	x	10	11.8	3020
	6*	○	9	6.1	2517		5*	x	10	13.9	3020
	8*	●	4	9.3	3020		6*	x	10	16.9	3030
224	1	x	7	2.5	2012	500	8*	x	10	24.0	3535
	2	x	7	3.2	2012		2*	x	7	9.1	2517
	3	x	10	3.9	2012		3*	x	7	11.4	2517
	4	x	10	5.2	2517		4*	x	10	14.3	3020
	5	x	10	6.0	2517		5*	x	7	17.6	3030
	6*	x	10	6.6	2517		6*	x	10	19.9	3030
	8*	●	4	11.8	3020		3*	x	7	15.9	3020
250	1	x	7	2.8	2012	630	4*	x	7	20.0	3030
	2	x	7	3.5	2012		5*	x	7	22.7	3030
	3	x	10	4.3	2012		6*	x	7	33.6	3535
	4	x	10	5.7	2517						
	5	x	10	6.4	2517						
	6*	x	10	7.0	2517						
	8*	x	10	10.5	3020						
280	1	x	7	2.9	2012						
	2	x	7	4.0	2012						
	3	x	7	5.3	2517						
	4	x	10	6.4	2517						
	5	x	10	7.1	2517						
	6*	x	10	7.8	2517						
	8*	x	10	10.8	3020						
315	1	x	7	3.1	2012						
	2	x	7	4.2	2012						
	3	x	7	6.1	2517						
	4	x	10	7.6	2517						
	5	x	10	8.6	2517						
	6*	x	10	9.3	2517						

No. of grooves z

1234568

Face width b₂ (mm)

162840526476100

Taper bushing

100811081210161016152012251730203535

Bore d₂ (mm) from... to...

10-2510-2811-3214-4214-4214-5016-6525-7535-90

● Solid pulley ○ Plate pulley (with or without holes) x Spoked pulley

Material: EN-GJL 200

* Non stock items

Bore diameters d₂ 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)
SPZ/10						140	1	○	0.900	28	24
45▲	1	○	0.200	16	24		2	○	1.400	38	38
	2	○	0.300	16	35		3	○	1.700	38	40
50▲	3	○	0.400	16	35	150	1	x	1.100	28	24
	1	○	0.300	20	24		2	○	1.500	38	38
	2	○	0.400	20	35		3	○	1.900	38	40
56▲	3	○	0.500	20	40	160	1	x	1.200	32	30
	1	○	0.300	20	24		2	x	1.600	38	38
	2	○	0.500	25	35		3	x	2.400	42	40
63	3	○	0.700	25	40	170	1	x	1.700	40	30
	1	○	0.300	25	24		2	x	1.900	40	38
	2	○	0.600	25	35		3	x	3.000	42	40
71	3	○	0.900	25	40	180	1	x	2.100	32	30
	1	○	0.300	25	24		2	x	3.100	38	38
	2	○	0.600	25	35		3	x	3.500	42	40
75	3	○	1.000	30	40	190	1	x	2.300	35	30
	1	○	0.400	24	24		2	x	2.400	35	38
	2	○	0.600	24	35		3	x	4.000	35	40
80	3	○	1.100	28	40	200	1	x	2.400	32	38
	1	○	0.400	25	24		2	x	2.900	38	38
	2	○	0.700	30	35		3	x	4.500	42	40
85	3	○	1.100	38	35	212	1	x	2.600	35	30
	1	○	0.300	25	24		2	x	3.400	35	38
	2	○	0.700	30	35		3	x	5.000	38	40
90	3	○	1.100	38	35	225	1	x	2.800	32	38
	1	○	0.400	25	24		2	x	4.000	38	38
	2	○	0.800	30	35		3	x	5.300	42	40
95	3	○	1.200	38	38	250	1	x	3.300	32	38
	1	○	0.400	28	24		2	x	4.800	38	38
	2	○	0.800	28	35		3	x	6.000	42	40
100	3	○	1.200	38	38	280	1	x	3.900	35	34
	1	○	0.500	28	24		2	x	5.200	42	38
	2	○	0.900	30	35		3	x	7.000	48	40
106	3	○	1.300	38	38	315	1	x	4.400	35	34
	1	○	0.500	30	24		2	x	6.800	42	38
	2	○	1.000	28	35		3	x	8.300	48	40
112	3	○	1.300	38	38	355	1	x	4.600	35	34
	1	○	0.500	28	24		2	x	8.000	42	40
	2	○	1.000	30	35		3	x	10.000	48	45
118	3	○	1.400	38	38						
	1	○	0.600	28	24						
	2	○	1.100	38	35						
125	3	○	1.500	38	38						
	1	○	0.700	28	24						
	2	○	1.200	38	35						
132	3	○	1.600	38	40						
	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

We reserve the right to make technical changes.