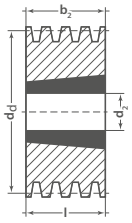
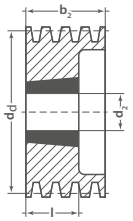
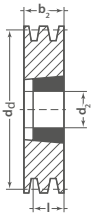
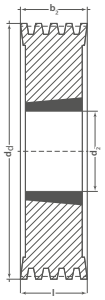
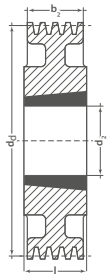
Types V-Grooved Pulleys:

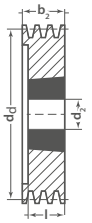

Type 1

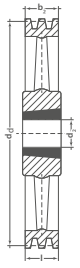

Type 2

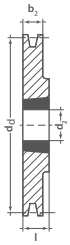

Type 3

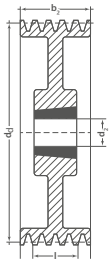

Type 4

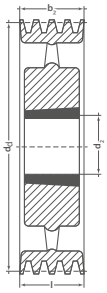

Type 5

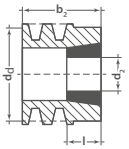

Type 6


Type 7


Type 8


Type 9


Type 10


Type 11

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 Ø $d_d \leq 400$ mm at n = 1500 rpm, for Ø $d_d >$ 400 mm at v = 30m/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 ≥ 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 SPZ

Datum diameter d_d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing
TB SPZ/10					
50	1	●	11	0.3	1008
	2	●	11	0.4	1008
56	1	●	11	0.4	1008
	2	●	11	0.5	1108
60	1	●	8	0.2	1008
	2	●	11	0.6	1108
63	1	●	8	0.2	1108
	2	●	6	0.3	1108
	3	●	6	0.4	1108
67	1	●	8	0.3	1108
	2	●	6	0.4	1108
	3	●	6	0.5	1108
71	1	●	8	0.3	1108
	2	●	6	0.4	1108
	3	●	6	0.6	1108
75	1	●	8	0.4	1108
	2	●	6	0.4	1210
	3	●	6	0.5	1210
80	1	●	8	0.5	1210
	2	●	6	0.6	1210
	3	●	6	0.7	1210
	4	●	6	0.8	1210
85	1	●	8	0.6	1210
	2	●	6	0.5	1610
	3	●	6	0.6	1610
	4	●	6	0.9	1610
	5	●	6	1.0	1610
90	1	●	8	0.7	1210
	2	●	6	0.7	1610
	3	●	6	0.8	1610
	4	●	6	1.0	1610
	5	●	6	1.2	1610
95	1	●	8	0.7	1210
	2	●	6	0.8	1610
	3	●	6	0.9	1610
	4	●	6	1.1	1610
	5	●	6	1.3	1610
100	1	●	8	0.8	1210
	2	●	6	0.9	1610
	3	●	6	1.1	1610
	4	●	6	1.1	1610
	5	●	6	1.3	2012
	6*	●	6	1.4	2012
106	1	●	8	0.9	1610
	2	●	6	1.1	1610
	3	●	6	1.3	1610
	4	●	6	1.3	1610
	5	●	6	1.5	2012
	6*	●	6	1.6	2012
112	1	●	8	1.0	1610
	2	●	6	1.3	1610
	3	●	6	1.3	2012
	4	●	6	1.5	2012
	5	●	6	1.8	2012
	6*	●	6	1.9	2012
118	1	●	8	0.9	1610
	2	●	6	1.3	1610
	3	●	6	1.6	2012
	4	●	6	1.8	2012
	5	●	6	1.8	2012
	6*	●	6	2.0	2517
125	1	●	8	1.0	1610
	2	●	6	1.4	1610
	3	●	2	1.8	2012
	4	●	2	2.2	2012
	5	●	6	2.3	2012
	6*	●	6	2.5	2517
132	1	●	8	1.1	1610
	2	●	6	1.5	1610
	3	●	2	2.3	2012
	4	●	2	2.5	2012
	5	●	6	2.7	2517
	6*	●	6	2.9	2517
140	1	●	8	1.2	1610
	2	●	6	1.7	1610
	3	●	2	2.6	2012
	4	●	2	2.9	2012
	5	●	2	3.2	2517
	6*	●	2	3.5	2517
	8*	●	4	4.0	2517
150	1	●	8	1.2	1610
	2	●	8	2.0	2012
	3	●	2	3.1	2012
	4	●	2	3.7	2517
	5	●	2	4.0	2517
	6*	●	2	4.4	2517
	8*	●	4	5.1	2517
160	1	●	8	1.3	1610
	2	●	8	2.5	2012
	3	●	2	3.6	2012
	4	●	2	4.4	2517
	5	●	2	4.8	2517
	6*	●	2	5.2	2517
	8*	●	4	5.6	2517
170	1	●	8	1.5	1610
	2	●	8	2.5	2012
	3	●	4	4.2	2012
	4	●	2	5.3	2517
	5	●	2	5.9	2517
	6*	●	2	6.5	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
180	1	x	7	1.6	1610
	2	○	5	2.5	2012
	3	○	9	4.8	2012
	4	●	2	6.1	2517
	5	●	2	6.3	2517
	6*	●	4	6.8	2517
	8*	●	4	7.1	2517
190	1	x	7	1.8	1610
	2	○	5	2.6	2012
	3	○	9	4.9	2012
	4	○	9	5.3	2517
	5	○	9	6.3	2517
	6*	○	9	6.9	2517
200	1	x	7	2.3	2012
	2	x	7	2.8	2012
	3	x	10	3.5	2012
	4	○	9	4.7	2517
	5	○	9	5.5	2517
	6*	○	9	6.1	2517
	8*	●	4	9.3	3020
224	1	x	7	2.5	2012
	2	x	7	3.2	2012
	3	x	10	3.9	2012
	4	x	10	5.2	2517
	5	x	10	6.0	2517
	6*	x	10	6.6	2517
	8*	●	4	11.8	3020
250	1	x	7	2.8	2012
	2	x	7	3.5	2012
	3	x	10	4.3	2012
	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

Datum diameter d_d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing
355	1	x	7	3.5	2012
	2	x	7	5.1	2012
	3	x	7	7.3	2517
	4	x	10	8.9	2517
	5	x	10	10.0	2517
	6*	x	10	10.7	2517
	8*	x	10	16.0	3030
400	1	x	7	6.0	2012
	2	x	7	6.3	2517
	3	x	7	8.0	2517
	4	x	10	10.1	2517
	5	x	10	11.7	3020
	6*	x	10	14.5	3030
	8*	x	10	18.2	3030
450	1*	x	7	6.1	2517
	2*	x	7	8.2	2517
	3*	x	7	9.8	2517
	4*	x	10	11.8	3020
	5*	x	10	13.9	3020
	6*	x	10	16.9	3030
	8*	x	10	24.0	3535
500	2*	x	7	9.1	2517
	3*	x	7	11.4	2517
	4*	x	10	14.3	3020
	5*	x	7	17.6	3030
	6*	x	10	19.9	3030
630	3*	x	7	15.9	3020
	4*	x	7	20.0	3030
	5*	x	7	22.7	3030
	6*	x	7	33.6	3535

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

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

● Soild 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.