POWER TRANSMISSION

PRODUCT RANGE METAL

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“Precision for your drive.”
Norbert, 42, Foreman
Engineered in Germany
Quality since 1872

OPTIBELT METAL PRODUCTS

COUPLINGS

	1008	1108	1210	1610	1615	2012	2517	3020	3030	3525	3535	4030	4040	4535	4545	5040	5050
TB with metric bores. DIN 6885 part 1																	
Bore diameter d_2 (mm)	10 11 12 14 15 16 18 19 20 22 24▲ 25▲	10 11 12 14 15 16 17 18 19 20 22 24 25 28▲	11 12 14 15 16 18 19 20 22 24 25 28 30 32	14 15 16 18 19 20 22 24 25 28 30 32 35 38 40 42▲	14 16 18 19 20 22 24 25 28 30 32 35 38 40 42▲	14 15 16 18 19 20 22 24 25 28 30 32 35 38 40 42 45 48 50	16 18 19 20 22 24 25 28 30 32 35 38 40 42 45 48 50 55 60 65▲	25 28 30 32 35 38 40 42 45 48 50 55 60 65 70 75	35 38 40 42 45 48 50 55 60 65 70 75	35 38 40 42 45 48 50 55 60 65 70 75 80 85 90 95 100▲	35 38 40 42 45 48 50 55 60 65 70 75 80 85 90	40 42 45 48 50 55 60 65 70 75 80 85 90 95 100 105 110 115▲	40 42 45 48 50 55 60 65 70 75 80 85 90 95 100	55 60 65 70 75 80 85 90 95 100 105 110 115 120 125	55 60 65 70 75 80 85 90 95 100 105 110	70 75 80 85 90 95 100 105 110 115 120 125	70 75 80 85 90 95 100 105 110 115 120 125
Hexagon Socket screws (inch)	1/4 x 1/2	1/4 x 1/2	3/8 x 5/8	3/8 x 5/8	3/8 x 5/8	7/16 x 7/8	1/2 x 1	5/8 x 1 1/4	5/8 x 1 1/4	1/2 x 1 1/2	1/2 x 1 1/2	5/8 x 1 3/4	5/8 x 1 3/4	3/4 x 2	3/4 x 2	7/8 x 2 1/4	7/8 x 2 1/4
Bushing length (mm)	22	22	25	25	38	32	45	51	76	64	89	76	102	89	114	102	127
Weight at d_{2min} (≈kg)	0.12	0.16	0.28	0.41	0.60	0.75	1.06	2.50	3.75	3.90	5.13	5.76	7.68	11.00	12.70	12.14	15.17

Shallow keyways for taper bushings					
Bore diameter d_2 (mm)	Keyway width b (mm)	Keyway depth t_2 (mm) min.	Bore diameter d_2 (mm)	Keyway width b (mm)	Keyway depth t_2 (mm) min.
24	8	2.0	65	18	2.3
25	8	1.3	100	28	4.4
28	8	2.0	115	32	5.4
42	12	2.2			

▲ These bores have shallow keyways

	1008	1108	1210	1610	1615	2012	2517	3020	3030	3525	3535	4040	4545	5050
TB with inch bores british standard. BS 46 part 1 *														
Bore diameter d_2 (inch)	3/8 1/2 5/8 3/4 7/8 1▲	3/8 1/2 5/8 3/4 7/8 1 1 1/8▲	1/2 5/8 3/4 7/8 1 1 1/8 1 1/4	1/2 5/8 3/4 7/8 1 1 1/8 1 1/4 1 3/8 1 1/2 1 5/8	1/2 5/8 3/4 7/8 1 1 1/8 1 1/4 1 3/8 1 1/2 1 1 5/8▲	5/8 3/4 7/8 1 1 1/8 1 1/4 1 3/8 1 1/2 1 5/8 1 3/4 1 7/8 2	3/4 7/8 1 1 1/8 1 1/4 1 3/8 1 1/2 1 5/8 1 3/4 1 7/8 2 2 1/8 2 1/4 2 3/8 2 1/2	1 1/4 1 3/8 1 1/2 1 5/8 1 3/4 1 7/8 2 2 1/8 2 1/4 2 3/8 2 1/2 2 5/8 2 3/4 2 7/8 3	1 1/4 1 3/8 1 1/2 1 5/8 1 3/4 1 7/8 2 2 1/8 2 1/4 2 3/8 2 1/2 2 5/8 2 3/4 2 7/8 3	1 1/2 1 5/8 1 3/4 1 7/8 2 2 1/8 2 1/4 2 3/8 2 1/2 2 5/8 2 3/4 2 7/8 3 3 1/8 3 1/4 3 3/8 3 1/2▲	1 1/2 1 5/8 1 3/4 1 7/8 2 2 1/8 2 1/4 2 3/8 2 1/2 2 5/8 2 3/4 2 7/8 3 3 1/8 3 1/4 3 3/8 3 1/2▲	1 3/4 1 7/8 2 2 1/8 2 1/4 2 3/8 2 1/2 2 5/8 2 3/4 2 7/8 3 3 1/8 3 1/4 3 3/8 3 1/2 3 3/4▲ 4▲	2 1/4 2 3/8 2 1/2 2 3/4 2 7/8 3 3 1/4 3 3/8 3 1/2 3 3/4 4 4 1/4▲ 4 1/2▲	3 3 1/4 3 1/2 3 3/4 4 4 1/4 4 1/2 4 3/4 5▲
Hexagon Socket screws (inch)	1/4 x 1/2	1/4 x 1/2	3/8 x 5/8	3/8 x 5/8	3/8 x 5/8	7/16 x 7/8	1/2 x 1	5/8 x 1 1/4	5/8 x 1 1/4	1/2 x 1 1/2	1/2 x 1 1/2	5/8 x 1 1/4	3/4 x 2	7/8 x 2 1/4
Bushing length (mm)	22	22	25	25	38	32	45	51	76	64	89	102	114	127
Weight at d_{2min} (≈kg)	0.12	0.16	0.28	0.41	0.60	0.75	1.06	2.50	3.75	3.90	5.13	7.68	12.70	15.17

* Non stock items. ▲ These bores have shallow keyways.

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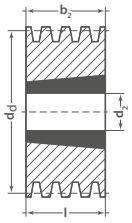
Types V-Grooved Pulleys: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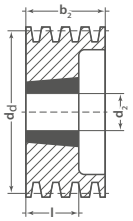
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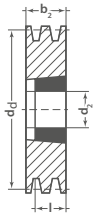
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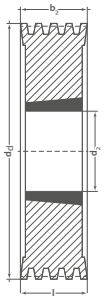
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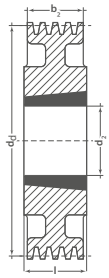
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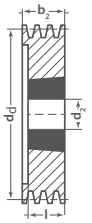
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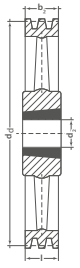
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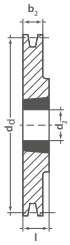
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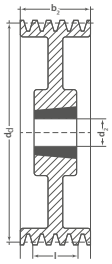
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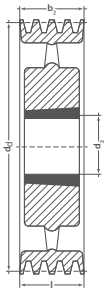
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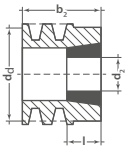
Type 11

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

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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.

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
TB SPA/13					
63	1	●	8	0.6	1008
	2	●	6	0.8	1008
67	1	●	8	0.3	1108
	2	●	6	0.5	1108
71	1	●	8	0.3	1108
	2	●	6	0.5	1108
	3	●	6	0.7	1108
75	1	●	8	0.4	1108
	2	●	6	0.6	1108
	3	●	6	0.8	1108
80	1	●	8	0.5	1210
	2	●	6	0.6	1210
	3	●	6	0.9	1210
85	1	●	8	0.6	1210
	2	●	6	0.7	1210
	3	●	6	1.0	1210
90	1	●	8	0.7	1210
	2	●	6	0.7	1610
	3	●	6	1.0	1610
	4	●	6	1.2	1615
95	1	●	8	0.8	1210
	2	●	6	0.9	1610
	3	●	6	1.1	1610
	4	●	6	1.4	1615
100	1	●	8	0.8	1610
	2	●	6	0.9	1610
	3	●	2	1.2	1610
	4	●	2	1.7	1615
	5	●	2	1.9	1615
106	1	●	8	0.9	1610
	2	●	6	1.1	1610
	3	●	2	1.4	1610
	4	●	6	2.0	2012
	5	●	6	2.0	2012
112	1	●	8	1.0	1610
	2	●	6	1.2	1610
	3	●	6	1.3	2012
	4	●	6	1.9	2012
	5	●	6	2.1	2012
118	1	●	8	1.2	1610
	2	●	6	1.4	1610
	3	●	2	1.8	2012
	4	●	2	2.0	2012
	5	●	2	2.4	2012
125	1	●	8	1.4	1610
	2	●	6	1.7	1610
	3	●	2	2.0	2012
	4	●	2	2.5	2012
	5	●	4	2.7	2012
132	1	●	8	1.6	1610
	2	●	6	1.8	2012
	3	●	2	2.3	2012
	4	●	2	2.6	2517
	5	●	4	2.9	2517
140	1	●	8	1.8	1610
	2	●	6	2.0	2012
	3	●	6	2.8	2517
	4	●	2	3.1	2517
	5	●	4	3.4	2517
150	1	●	8	1.4	1610
	2	●	6	2.4	2012
	3	●	6	3.5	2517
	4	●	2	3.8	2517
	5	●	4	4.2	2517
160	1	●	8	1.9	1610
	2	●	6	2.9	2012
	3	●	6	3.9	2517
	4	●	2	4.4	2517
	5	●	4	5.1	2517
170	1	●	8	2.0	1610
	2	●	6	3.1	2012
	3	●	6	4.6	2517
	4	●	2	5.5	2517
	5	●	4	5.9	2517
180	1	x	7	2.1	1610
	2	○	9	3.4	2012
	3	●	6	5.1	2517
	4	●	2	5.9	2517
	5	●	4	6.2	3020
190	1	x	7	2.3	1610
	2	○	9	3.8	2012
	3	●	6	5.4	2517
	4	●	2	6.8	2517
	5	●	2	7.4	3020
200	1	x	7	2.6	2012
	2	○	5	4.1	2517
	3	○	9	4.9	2517
	4	●	2	7.4	3020
	5	●	4	8.4	3020
212	1	x	7	2.7	2012
	2	x	7	4.3	2517
	3	x	10	5.2	2517
	4	●	2	7.3	3020
	5	●	2	8.2	3020
224	1	x	7	2.7	2012
	2	x	7	4.4	2517
	3	x	10	5.5	2517
	4	●	2	7.4	3020
	5	●	2	8.3	3020

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Datum diameter d_d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing
236	1	x	7	2.8	2012
	2	x	7	4.6	2517
	3	x	10	5.7	2517
	4	○	9	7.8	3020
	5	○	9	8.7	3020
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
630	1*	x	7	10.1	2517
	2*	x	7	16.0	3020
	3	x	7	22.0	3020
	4	x	7	30.8	3535
	5	x	7	33.7	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.

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
TB SPB/17					
100	1	●	8	0.9	1610
	2	●	6	1.2	1610
	3	●	6	1.7	1610
106	1	●	8	1.0	1610
	2	●	6	1.35	1610
	3	●	6	1.85	1610
112	1	●	8	1.1	1610
	2	●	6	1.5	1610
	3	●	6	2.0	1610
118	1	●	8	1.3	1610
	2	●	2	1.7	1610
	3	●	2	2.3	1610
125	1	●	8	1.5	1610
	2	●	2	1.9	2012
	3	●	2	2.4	2012
	4	●	4	3.0	2012
	5	●	6	3.5	2012
132	1	●	8	1.8	1610
	2	●	2	2.2	2012
	3	●	2	2.8	2012
	4	●	4	3.4	2012
	5	●	6	3.7	2517
140	1	●	8	2.3	1610
	2	●	2	2.7	2012
	3	●	2	3.3	2012
	4	●	4	3.7	2517
	5	●	4	4.5	2517
	6	●	4	4.6	2517
150	1	●	8	2.7	1610
	2	●	2	3.1	2012
	3	●	2	3.9	2517
	4	●	4	4.4	2517
	5	●	4	5.2	2517
	6	●	4	5.6	2517
160	1	●	8	2.8	1610
	2	●	2	3.9	2012
	3	●	2	4.8	2517
	4	●	4	5.7	2517
	5	●	4	6.6	2517
	6	●	4	6.5	3020
	8	●	4	8.0	3020
170	1	●	8	2.9	1610
	2	●	2	3.3	2012
	3	●	2	4.9	2517
	4	●	4	5.7	2517
	5	●	4	6.1	3020
	6	●	4	6.5	3020
	8	●	4	8.0	3030
180	1	○	9	4.1	1610
	2	●	8	4.5	2517
	3	●	2	5.5	2517
	4	●	4	6.9	2517
	5	●	4	7.1	3020
	6	●	4	7.7	3020
	8	●	4	9.5	3030
190	1	○	5	4.6	2012
	2	●	8	5.0	2517
	3	●	2	6.3	2517
	4	●	4	7.6	2517
	5	●	4	8.1	3020
	6	●	4	9.2	3020
	8	●	4	11.2	3030
200	1	x	7	5.0	2012
	2	●	8	5.4	2517
	3	●	2	6.5	2517
	4	●	4	8.8	3020
	5	●	4	9.1	3020
	6	●	4	10.3	3020
	8	●	4	13.5	3535
212	1	x	7	4.2	2012
	2	○	5	4.9	2517
	3	○	9	6.0	2517
	4	●	4	9.8	3020
	5	●	4	11.0	3020
	6	●	4	14.3	3535
	8	●	4	16.6	3535
224	1	x	7	4.7	2012
	2	x	7	5.3	2517
	3	x	10	6.3	2517
	4	●	4	11.3	3020
	5	●	4	12.7	3020
	6	●	4	17.0	3535
	8	●	4	19.3	3535
	10	●	4	21.8	3535
236	1	x	7	5.0	2012
	2	x	7	5.5	2517
	3	x	10	7.0	2517
	4	●	4	14.5	3020
	5	●	4	16.9	3535
	6	●	4	20.0	3535
	8	●	4	22.3	3535
	10	●	4	25.3	3535

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Datum diameter d_d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing
250	1	x	7	5.4	2012
	2	x	7	5.5	2517
	3	x	10	7.7	3020
	4	x	10	19.6	3020
	5	●	4	21.7	3535
	6	●	4	23.3	3535
	8	●	4	27.5	3535
	10	●	4	29.3	3535
265	2	x	7	6.2	2517
	3	○	9	8.0	3020
	4	○	9	9.5	3020
	6	●	4	16.7	3535
	8	●	4	24.0	3535
280	1	x	7	6.1	2012
	2	x	7	6.8	2517
	3	x	10	8.6	3020
	4	x	10	10.1	3020
	5	○	9	17.8	3535
	6	○	9	19.6	3535
	8	○	9	26.7	3535
	10	○	9	30.5	3535
300	2	x	7	7.3	2517
	3	x	10	9.2	3020
	4	x	7	14.3	3535
	5	x	10	18.2	3535
	6	x	10	21.9	3535
	8	○	9	26.2	3535
315	1*	x	7	7.2	2012
	2	x	7	7.8	2517
	3	x	10	9.6	3020
	4	x	7	17.1	3535
	5	x	10	18.8	3535
	6	x	10	23.0	3535
	8	x	10	26.0	3535
	10	○	9	31.5	3535
335	2	x	7	7.8	2517
	3	x	10	10.5	3020
	4	x	7	18.3	3535
	5	x	10	19.5	3535
	6	x	10	22.0	3535
	8	x	10	28.2	3535
	10	x	10	36.0	4040
355	2	x	7	8.7	3020
	3	x	10	12.1	3020
	4	x	7	18.6	3535
	5	x	10	20.8	3535
	6	x	10	22.8	3535
	8	x	10	32.0	3535
	10	x	10	38.0	4040

Datum diameter d_d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing
375	2	x	7	9.5	3020
	3	x	10	11.5	3020
	4	x	7	16.5	3535
	6	x	10	25.0	3535
	8	x	10	28.0	3535
400	2	x	7	10.0	3020
	3	x	7	18.3	3535
	4	x	7	20.5	3535
	5	x	10	23.4	3535
	6	x	10	25.1	3535
	8	x	10	36.5	4040
	10	x	10	41.0	4040
425	2	x	7	11.5	3020
	3	x	7	18.0	3535
	4	x	7	19.5	3535
	6	x	10	25.1	3535
	8	x	10	52.5	4040
450	2	x	7	12.1	3020
	3	x	7	21.9	3535
	4	x	7	24.5	3535
	5	x	10	27.3	3535
	6	x	10	35.5	4040
	8	x	10	40.9	4040
	10	x	10	53.5	4545
500	2	x	7	13.2	3020
	3	x	7	23.1	3535
	4	x	7	26.6	3535
	5	x	10	29.9	3535
	6	x	10	38.9	4040
	8	x	10	45.5	4040
	10	x	10	61.0	4545
560	2*	x	7	16.5	3030
	3	x	7	25.9	3535
	4	x	7	29.0	3535
	5	x	7	35.3	4040
	6	x	10	43.1	4040
	8	x	10	49.0	4545
	10	x	10	55.7	4545
630	2*	x	7	18.5	3030
	3	x	7	28.9	3535
	4	x	7	33.3	3535
	5	x	7	43.1	4040
	6	x	10	49.2	4040
	8	x	10	62.0	4545
	10	x	10	72.0	4545
710	3	x	7	33.2	3535
	4	x	7	39.1	3535
	5	x	7	50.2	4040
	6	x	10	62.3	4040
	8	x	10	71.0	4545
	10	x	10	80.0	4545

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
800	3	x	7	36.7	3535
	4	x	7	48.8	4040
	5	x	7	56.1	4040
	6	x	10	71.4	4545
	8	x	10	90.9	4545
	10	x	10	102.0	4545
900	3*	x	7	46.8	3535
	4	x	7	60.0	4040
	5	x	7	74.8	4040
	6	x	10	81.5	4545
	8	x	10	110.0	4545
	10	x	10	126.0	5050
1000	3*	x	7	56.5	4040
	4	x	7	66.5	4040
	5	x	7	80.5	4545
	6	x	10	90.0	4545
	8	x	10	132.0	5050
	10	x	10	147.0	5050
1250	4*	x	7	136.0	4545
	5*	x	7	146.0	4545
	6*	x	10	150.0	4545
	8*	x	10	190.0	5050

No. of grooves z	1	2	3	4	5	6	8	10
Face width b_2 (mm)	25	44	63	82	101	120	158	196

Taper bushing	1610	2012	2517	3020	3030	3535	4040	4545	5050
Bore d_2 (mm) from ... to ...	14-42	14-40	16-65	25-75	35-75	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_2 see page 4

We reserve the right to make technical changes.

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Datum diameter d_d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing
TB SPC/22					
200	3	●	4	9.0	2517
	4	●	4	10.5	3020
	5	●	4	14.0	3535
	6	●	4	17.0	3535
212	3	●	4	10.0	3020
	4	●	4	12.5	3020
	5	●	4	15.0	3535
	6	●	4	18.0	3535
224	3	●	4	11.0	3020
	4	●	4	14.0	3535
	5	●	4	16.2	3535
	6	●	4	19.0	3535
	8	●	4	24.9	3535
236	3	●	4	12.0	3020
	4	●	4	17.2	3535
	5	●	4	19.1	3535
	6	●	4	20.8	3535
	8	●	4	25.5	3535
250	3	●	4	14.5	3020
	4	●	4	20.7	3535
	5	●	4	22.8	3535
	6	●	4	26.0	3535
	8	●	4	29.7	3535
	10	●	4	34.0	4040
265	3	●	8	21.2	3535
	4	●	4	24.0	3535
	5	●	4	31.2	3535
	6	●	4	29.0	3535
	8	●	4	33.3	3535
280	3	●	8	24.0	3535
	4	○	9	29.0	3535
	5	○	9	31.0	3535
	6	○	9	33.8	3535
	8	●	4	37.5	3535
	10	●	4	45.0	4040
300	3	x	7	21.0	3535
	4	○	9	25.0	3535
	5	○	9	28.5	3535
	6	○	9	29.0	3535
	8	●	4	46.5	4040
	10	●	4	53.5	4545
315	3	x	7	21.6	3535
	4	x	10	24.6	3535
	5	x	10	29.0	3535
	6	x	10	31.4	3535
	8	●	4	50.0	4040
	10	●	4	58.0	4545
	12	●	4	69.0	5050

Datum diameter d_d (mm)	No. of grooves	Type	Type No.	Weight without bushing (≈kg)	Taper bushing
TB SPC/22					
335	3	x	7	22.5	3535
	4	x	10	26.5	3535
	5	x	10	30.0	3535
	6	x	10	35.0	3535
	8	○	9	58.0	4040
	10	●	4	77.0	4545
	12	●	4	82.0	5050
355	3	x	7	28.0	3535
	4	x	10	31.0	3535
	5	x	10	34.0	3535
	6	x	10	37.5	3535
	8	x	10	49.5	4040
	10	●	4	84.0	4545
	12	●	4	86.0	5050
375	3	x	7	23.8	3535
	4	x	10	30.0	3535
	5	x	10	33.0	3535
	6	x	10	45.5	4040
	8	x	10	68.0	4545
	10	○	9	88.0	4545
	12	●	4	92.0	5050
400	3	x	7	24.1	3535
	4	x	10	28.0	3535
	5	x	10	34.0	3535
	6	x	10	48.0	4040
	8	x	10	65.0	4545
	10	○	9	88.0	5050
	12	○	9	98.0	5050
425	3	x	7	26.0	3535
	4	x	10	31.0	3535
	5	x	10	45.0	3535
	6	x	10	58.0	4040
	8	x	10	74.0	4545
	10	○	9	96.0	5050
	12	○	9	100.0	5050
450	3	x	7	28.6	3535
	4	x	10	33.5	3535
	5	x	10	45.0	4040
	6	x	10	61.1	4545
	8	x	10	78.7	5050
	10	x	10	101.0	5050
	12	○	9	113.0	5050
475	3	x	7	40.0	3535
	4	x	10	47.0	3535
	5	x	10	47.2	4040
	6	x	10	62.8	4545
	8	x	10	81.5	5050
	10	x	10	90.0	5050
	12	○	9	120.0	5050

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
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
	12	○	9	127.0	5050
560	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
	10	x	10	115.0	5050
	12	x	10	145.0	5050
630	3	x	7	48.5	4040
	4	x	7	61.0	4545
	5	x	10	77.0	5050
	6	x	10	86.0	5050
	8	x	10	105.5	5050
	10	x	10	130.0	5050
	12	x	10	160.0	5050
710	3*	x	7	62.5	4040
	4*	x	7	78.6	5050
	5	x	10	89.6	5050
	6	x	10	99.4	5050
	8	x	10	117.5	5050
	10	x	10	137.1	5050
	12	x	10	170.0	5050
800	3*	x	7	72.0	4545
	4*	x	7	90.8	5050
	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
1000	5	x	10	134.0	5050
	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
	12	x	10	310.0	5050

No. of grooves z	2	3	4	5	6	8	10
Face width b_2 (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_2 (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_2 see page 4

We reserve the right to make technical changes.

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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.

optibelt KS V-Grooved Pulleys for Plain Boring
Profile SPA

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
	2	○	0.500	18	49
	3	○	0.600	18	47
56▲	1	○	0.400	20	34
	2	○	0.600	20	49
	3	○	0.700	20	47
63▲	1	○	0.500	25	34
	2	○	0.800	25	49
	3	○	0.900	25	47
	4	○	1.200	25	60
	5	○	1.500	25	70
71▲	1	○	0.500	25	34
	2	○	0.900	28	49
	3	○	1.000	32	42
	4	○	1.500	32	60
	5	○	1.800	32	70
75▲	1	○	0.500	24	34
	2	○	1.000	24	49
	3	○	1.100	24	42
	4	○	1.800	24	60
	5	○	1.900	28	82
80▲	1	○	0.600	28	34
	2	○	1.000	32	49
	3	○	1.200	38	42
	4	○	1.900	38	60
	5	○	2.000	38	55
85	1	○	0.600	24	34
	2	○	1.200	28	49
	3	○	1.400	28	42
	4	○	2.000	28	53
	5	○	2.200	32	55
90	1	○	0.900	28	34
	2	○	1.500	32	49
	3	○	1.600	38	42
	4	○	2.200	42	53
	5	○	2.500	42	67
95	1	○	0.800	28	34
	2	○	1.600	28	49
	3	○	1.900	28	42
	4	○	2.500	32	53
	5	○	2.800	35	67
100	1	○	0.800	28	34
	2	○	1.400	32	49
	3	○	2.000	38	42
	4	○	2.700	42	53
	5	○	3.100	42	60
106	1	○	0.900	28	34
	2	○	1.700	28	49
	3	○	2.200	32	42
	4	○	3.200	32	53
	5	○	3.900	35	60
112	1	○	1.100	28	34
	2	○	1.800	38	49
	3	○	2.400	38	42
	4	○	3.400	42	53
	5	○	4.000	42	60
118	1	○	1.100	32	34
	2	○	1.800	38	49
	3	○	2.400	42	42
	4	○	3.400	42	53
	5	○	4.100	48	65
125	1	○	1.400	32	34
	2	○	1.900	38	49
	3	○	2.600	42	42
	4	○	3.500	42	53
	5	○	4.400	48	65
132	1	○	1.500	32	34
	2	○	2.200	38	49
	3	○	2.600	42	42
	4	○	3.600	42	53
	5	○	4.800	48	65
140	1	○	1.500	32	34
	2	○	2.300	38	49
	3	○	2.600	42	42
	4	○	3.700	42	53
	5	○	5.000	48	65
150	1	x	1.600	38	36
	2	x	2.600	38	49
	3	○	3.000	42	42
	4	○	4.000	42	53
	5	○	5.200	48	65
160	1	x	1.800	38	36
	2	x	2.400	38	49
	3	x	2.800	42	42
	4	○	3.600	48	60
	5	○	5.500	48	70
170	1	x	2.000	35	36
	2	x	2.900	35	49
	3	x	3.200	35	42
	4	x	4.200	35	60
	5	x	5.800	38	70
180	1	x	2.000	38	36
	2	x	3.200	42	49
	3	x	3.600	42	42
	4	x	4.700	48	60
	5	x	6.100	48	70

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Datum diameter d_d (mm)	No. of grooves	Type	Weight (≈kg)	Finished bore hole d_{max} (mm)	Hub length l (mm)
190	1	x	2.000	38	36
	2	x	3.200	42	49
	3	x	4.000	42	42
	4	x	5.200	48	60
	5	x	6.300	48	70
200	1	x	2.400	38	36
	2	x	2.900	42	49
	3	x	4.200	48	42
	4	x	5.000	55	60
	5	x	6.500	55	70
212	1	x	2.700	40	36
	2	x	3.400	42	49
	3	x	4.400	42	42
	4	x	5.700	42	60
	5	x	6.900	42	70
225	1	x	2.800	40	36
	2	x	3.900	42	49
	3	x	4.600	42	42
	4	x	6.500	42	60
	5	x	7.300	42	70
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
400	1	x	6.900	50	50
	2	x	8.800	55	53
	3	x	10.500	60	47
	4	x	12.400	60	67
	5	x	15.900	60	82
450	1	x	7.500	55	50
	2	x	9.400	55	53
	3	x	12.200	60	47
	4	x	14.200	65	67
	5	x	18.300	65	82
500	1	x	10.500	55	50
	2	x	10.700	55	55
	3	x	13.500	60	60
	4	x	16.300	65	67
	5	x	22.800	65	82
560	1	x	14.000	55	60
	2	x	13.100	55	60
	3	x	15.600	60	74
	4	x	19.400	65	67
	5	x	24.500	65	82

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.

optibelt KS V-Grooved Pulleys for Plain Boring
Profile SPB

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
	2	○	1.000	20	60
	3	○	1.100	22	62
63▲	1	○	0.800	20	41
	2	○	1.200	20	60
	3	○	1.200	22	62
71▲	1	○	0.800	22	41
	2	○	1.300	22	60
	3	○	1.600	22	55
75▲	1	○	0.800	25	41
	2	○	1.400	25	60
	3	○	1.900	25	62
80▲	1	○	1.000	28	41
	2	○	1.700	28	60
	3	○	2.100	28	55
	4	○	2.400	28	70
	5	○	2.700	28	80
85▲	1	○	1.100	30	41
	2	○	1.700	30	60
	3	○	2.200	30	55
	4	○	2.700	30	70
	5	○	3.000	30	75
90▲	1	○	1.200	32	41
	2	○	1.800	38	60
	3	○	2.300	38	55
	4	○	3.100	38	70
	5	○	3.300	38	75
95▲	1	○	1.300	35	41
	2	○	2.000	38	60
	3	○	2.500	38	67
	4	○	2.900	38	70
	5	○	3.600	38	75
100▲	1	○	1.300	32	41
	2	○	2.100	38	60
	3	○	2.900	38	55
	4	○	3.800	38	70
	5	○	4.500	38	75
	6	○	5.200	38	124
106▲	1	○	1.500	28	41
	2	○	2.000	28	60
	3	○	3.000	30	55
	4	○	4.300	30	70
	5	○	5.100	32	75
	6	○	6.000	32	124
112▲	1	○	1.500	32	41
	2	○	2.400	38	60
	3	○	3.100	38	55
	4	○	4.800	42	67
	5	○	5.600	42	75
	6	○	6.200	42	85
118▲	1	○	1.600	32	41
	2	○	2.400	38	60
	3	○	3.200	42	55
	4	○	5.200	42	70
	5	○	7.200	42	75
	6	○	6.600	42	85
125▲	1	○	1.700	32	41
	2	○	2.600	38	60
	3	○	3.300	42	55
	4	○	4.700	42	70
	5	○	8.600	42	75
	6	○	8.000	48	85
132▲	1	○	1.900	30	41
	2	○	2.600	30	60
	3	○	3.500	42	55
	4	○	6.300	42	70
	5	○	9.400	42	75
	6	○	8.500	42	85
140	1	○	2.100	32	41
	2	○	2.900	38	60
	3	○	3.900	42	55
	4	○	6.900	42	70
	5	○	7.600	48	75
	6	○	11.400	48	85
150	1	○	2.400	32	43
	2	○	3.200	38	48
	3	○	4.300	42	60
	4	○	6.800	42	70
	5	○	8.400	48	75
	6	○	12.100	48	85
160	1	x	2.500	38	43
	2	x	3.300	42	48
	3	x	4.600	48	60
	4	○	7.000	48	70
	5	○	9.400	48	75
	6	○	12.900	55	85
170	1	x	2.900	42	43
	2	x	3.400	42	48
	3	x	4.900	42	60
	4	○	7.200	48	70
	5	○	8.900	48	75
	6	○	13.100	48	85
180	1	x	3.100	38	43
	2	x	3.900	42	48
	3	x	5.300	48	60
	4	x	7.400	48	70
	5	○	9.100	55	75
	6	○	10.800	60	85

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Datum diameter d_d (mm)	No. of grooves	Type	Weight (≈kg)	Finished bore hole d_{max} (mm)	Hub length l (mm)
190	1	x	3.200	42	43
	2	x	4.200	42	48
	3	x	5.500	42	60
	4	x	7.700	48	70
	5	○	9.200	50	75
	6	○	12.000	55	85
200	1	x	3.400	38	43
	2	x	4.500	42	48
	3	x	5.900	48	60
	4	x	8.000	50	60
	5	○	9.500	55	80
	6	○	12.200	60	90
212	1	x	3.800	42	43
	2	x	4.700	42	48
	3	x	6.200	48	60
	4	x	7.700	50	70
	5	x	10.300	50	80
	6	○	13.500	55	90
225	1	x	4.000	42	43
	2	x	5.400	42	48
	3	x	6.900	48	60
	4	x	8.600	55	70
	5	○	11.700	50	90
	6	○	14.800	55	90
250	1	x	4.200	42	43
	2	x	6.100	48	55
	3	x	8.600	55	60
	4	x	9.800	60	70
	5	x	13.200	65	80
	6	x	17.000	65	90
280	1	x	5.700	48	49
	2	x	7.000	48	55
	3	x	9.700	55	60
	4	x	11.500	60	70
	5	x	15.500	65	80
	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

Datum diameter d_d (mm)	No. of grooves	Type	Weight (≈kg)	Finished bore hole d_{max} (mm)	Hub length l (mm)
355	1	x	7.000	48	49
	2	x	9.700	55	55
	3	x	13.400	55	67
	4	x	18.300	60	80
	5	x	18.800	65	75
	6	x	19.800	75	90
400	1	x	8.500	50	49
	2	x	10.000	55	55
	3	x	14.300	60	67
	4	x	18.500	65	80
	5	x	22.500	70	85
	6	x	28.000	75	90
450	1	x	9.900	50	55
	2	x	10.900	55	55
	3	x	15.100	60	67
	4	x	20.500	65	80
	5	x	26.000	70	80
	6	x	28.900	75	90
500	1	x	10.700	50	55
	2	x	13.700	60	59
	3	x	15.200	65	67
	4	x	21.300	70	80
	5	x	30.000	75	80
	6	x	33.800	80	90
560	2	x	15.000	60	55
	3	x	24.200	65	67
	4	x	26.000	70	80
	5	x	34.400	75	80
	6	x	39.000	80	90
630	2	x	20.200	60	80
	3	x	27.000	65	80
	4	x	30.800	75	86
	5	x	37.200	80	90
	6	x	44.000	90	100

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

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)
SPC/22					
180	1*	○	4.200	40	54
	2*	○	7.200	50	64
	3*	○	10.400	55	90
	4*	○	10.500	55	95
	5*	○	18.000	60	100
	6*	○	23.600	65	115
200	1*	○	4.800	40	54
	2*	○	7.800	50	64
	3*	○	8.800	55	90
	4*	○	11.200	60	95
	5*	○	15.400	65	100
	6*	○	27.000	70	125
225	1*	x	5.500	48	54
	2*	x	7.800	52	64
	3*	x	10.600	52	90
	4*	x	13.100	55	95
	5*	x	16.700	60	100
	6*	x	35.000	60	115
250	1*	x	7.300	52	54
	2*	x	8.800	52	64
	3*	x	11.000	65	90
	4*	x	15.300	70	95
	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
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
450	2*	x	21.100	70	80
	3*	x	26.300	75	90
	4*	x	31.100	75	105
	5*	x	42.200	80	110
	6*	x	48.500	80	120
500	3*	x	28.400	75	90
	4*	x	34.100	75	105
	5*	x	48.200	80	110
	6*	x	52.500	80	120
560	3*	x	31.100	75	90
	4*	x	39.000	75	105
	5*	x	54.100	80	110
	6*	x	61.500	85	120
630	3*	x	38.500	80	90
	4*	x	48.100	80	105
	5*	x	62.200	85	110
	6*	x	73.200	85	120

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

● Spoild 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.

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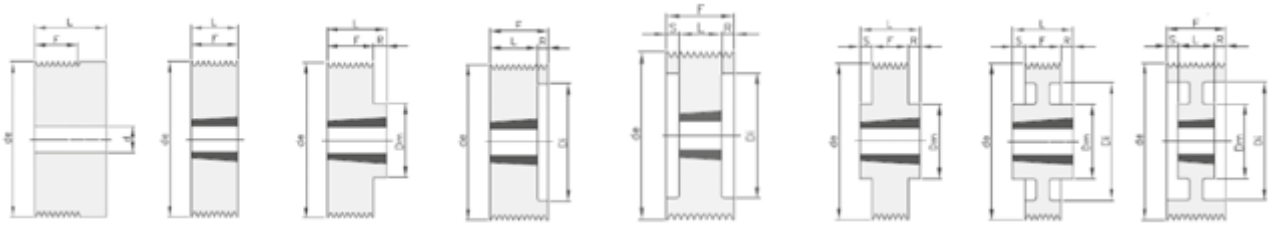

Type 1 Type 2 Type 3 Type 4 Type 5 Type 6 Type 7 Type 8

Description	No. of ribs	Type	Max. drilling	Material	D_m (mm)	D_i (mm)	F (mm)	L (mm)	R (mm)	S (mm)	Taperbushing
8PJ											
TB 8 PJ 56	8	2	28.00	GG	-	-	23.0	23.0	-	-	1108
TB 8 PJ 63	8	2	28.00	GG	-	-	23.0	23.0	-	-	1108
TB 8 PJ 71	8	2	28.00	GG	-	-	23.0	23.0	-	-	1108
TB 8 PJ 75	8	2	28.00	GG	-	-	23.0	23.0	-	-	1108
TB 8 PJ 80	8	3	42.00	GG	70.0	-	23.0	26.0	3.0	-	1610
TB 8 PJ 85	8	3	42.00	GG	70.0	-	23.0	26.0	3.0	-	1610
TB 8 PJ 90	8	3	42.00	GG	70.0	-	23.0	26.0	3.0	-	1610
TB 8 PJ 95	8	3	42.00	GG	82.0	-	23.0	26.0	3.0	-	1610
TB 8 PJ 100	8	3	42.00	GG	82.0	-	23.0	26.0	3.0	-	1610
TB 8 PJ 106	8	3	42.00	GG	82.0	-	23.0	26.0	3.0	-	1610
TB 8 PJ 112	8	3	42.00	GG	90.0	-	23.0	26.0	3.0	-	1610
TB 8 PJ 118	8	3	42.00	GG	90.0	-	23.0	26.0	3.0	-	1610
TB 8 PJ 125	8	3	42.00	GG	90.0	-	23.0	26.0	3.0	-	1610
TB 8 PJ 132	8	3	42.00	GG	90.0	-	23.0	26.0	3.0	-	1610
TB 8 PJ 140	8	3	42.00	GG	90.0	-	23.0	26.0	3.0	-	1610
TB 8 PJ 160	8	6	50.00	GG	110.0	-	23.0	32.0	4.5	4.5	2012
TB 8 PJ 180	8	6	50.00	GG	110.0	-	23.0	32.0	4.5	4.5	2012
TB 8 PJ 190	8	6	50.00	GG	110.0	-	23.0	32.0	4.5	4.5	2012
TB 8 PJ 200	8	6	50.00	GG	110.0	-	23.0	32.0	4.5	4.5	2012
TB 8 PJ 212	8	6	50.00	GG	110.0	-	23.0	32.0	4.5	4.5	2012
TB 8 PJ 224	8	6	50.00	GG	110.0	-	23.0	32.0	4.5	4.5	2012
TB 8 PJ 250	8	6	50.00	GG	110.0	-	23.0	32.0	4.5	4.5	2012
TB 8 PJ 280	8	7	50.00	GG	110.0	260.0	23.0	32.0	4.5	4.5	2012
TB 8 PJ 315	8	7	50.00	GG	110.0	295.0	23.0	32.0	4.5	4.5	2012
12PJ											
TB 12 PJ 63	12	4	28.00	GG	-	46.0	32.5	23.0	9.5	-	1108
TB 12 PJ 71	12	4	28.00	GG	-	46.0	32.5	23.0	9.5	-	1108
TB 12 PJ 75	12	4	42.00	GG	-	60.0	32.5	26.0	6.5	-	1610
TB 12 PJ 80	12	4	42.00	GG	-	60.0	32.5	26.0	6.5	-	1610
TB 12 PJ 85	12	4	42.00	GG	-	60.0	32.5	26.0	6.5	-	1610
TB 12 PJ 90	12	4	42.00	GG	-	74.0	32.5	26.0	6.5	-	1610
TB 12 PJ 95	12	4	42.00	GG	-	74.0	32.5	26.0	6.5	-	1610
TB 12 PJ 100	12	4	42.00	GG	-	74.0	32.5	26.0	6.5	-	1610
TB 12 PJ 106	12	4	42.00	GG	-	88.0	32.5	26.0	6.5	-	1610
TB 12 PJ 112	12	4	42.00	GG	-	88.0	32.5	26.0	6.5	-	1610
TB 12 PJ 118	12	4	50.00	GG	-	98.0	32.5	32.0	0.5	-	2012
TB 12 PJ 125	12	4	50.00	GG	-	98.0	32.5	32.0	0.5	-	2012
TB 12 PJ 132	12	4	65.00	GG	-	98.0	32.5	32.0	0.5	-	2012
TB 12 PJ 140	12	3	65.00	GG	120.0	-	32.5	45.0	12.5	-	2517
TB 12 PJ 160	12	3	65.00	GG	120.0	-	32.5	45.0	12.5	-	2517
TB 12 PJ 180	12	6	65.00	GG	120.0	-	32.5	45.0	6.25	6.25	2517
TB 12 PJ 190	12	6	65.00	GG	120.0	-	32.5	45.0	6.25	6.25	2517
TB 12 PJ 200	12	6	65.00	GG	120.0	-	32.5	45.0	6.25	6.25	2517
TB 12 PJ 212	12	6	65.00	GG	120.0	-	32.5	45.0	6.25	6.25	2517

Description	No. of ribs	Type	Max. drilling	Material	D_m (mm)	D_i (mm)	F (mm)	L (mm)	R (mm)	S (mm)	Taperbushing
TB 12 PJ 224	12	6	65.00	GG	120.0	-	32.5	45.0	6.25	6.25	2517
TB 12 PJ 250	12	6	65.00	GG	120.0	-	32.5	45.0	6.25	6.25	2517
TB 12 PJ 280	12	7	65.00	GG	120.0	260.0	32.5	45.0	6.25	6.25	2517
TB 12 PJ 315	12	7	65.00	GG	120.0	295.0	32.5	45.0	6.25	6.25	2517
16PJ											
TB 16 PJ 71	16	2	32.00	GG	-	55.0	42.0	42.0	-	-	1215
TB 16 PJ 75	16	4	42.00	GG	-	60.0	42.0	26.0	16.0	-	1610
TB 16 PJ 80	16	4	42.00	GG	-	60.0	42.0	26.0	16.0	-	1610
TB 16 PJ 85	16	4	42.00	GG	-	60.0	42.0	26.0	16.0	-	1610
TB 16 PJ 90	16	4	42.00	GG	-	74.0	42.0	26.0	16.0	-	1610
TB 16 PJ 95	16	4	42.00	GG	-	74.0	42.0	26.0	16.0	-	1610
TB 16 PJ 100	16	4	42.00	GG	-	74.0	42.0	26.0	16.0	-	1610
TB 16 PJ 106	16	4	42.00	GG	-	88.0	42.0	26.0	16.0	-	1610
TB 16 PJ 112	16	4	42.00	GG	-	88.0	42.0	26.0	16.0	-	1610
TB 16 PJ 118	16	4	50.00	GG	-	98.0	42.0	32.0	10.0	-	2012
TB 16 PJ 125	16	4	50.00	GG	-	98.0	42.0	32.0	10.0	-	2012
TB 16 PJ 132	16	4	50.00	GG	-	98.0	42.0	32.0	10.0	-	2012
TB 16 PJ 140	16	3	65.00	GG	120.0	-	42.0	45.0	3.0	-	2517
TB 16 PJ 160	16	3	65.00	GG	120.0	-	42.0	45.0	3.0	-	2517
TB 16 PJ 180	16	6	65.00	GG	120.0	-	42.0	45.0	1.5	1.5	2517
TB 16 PJ 190	16	6	65.00	GG	120.0	-	42.0	45.0	1.5	1.5	2517
TB 16 PJ 200	16	6	65.00	GG	120.0	-	42.0	45.0	1.5	1.5	2517
TB 16 PJ 212	16	6	65.00	GG	120.0	-	42.0	45.0	1.5	1.5	2517
TB 16 PJ 224	16	6	65.00	GG	120.0	-	42.0	45.0	1.5	1.5	2517
TB 16 PJ 250	16	6	65.00	GG	120.0	-	42.0	45.0	1.5	1.5	2517
TB 16 PJ 280	16	7	65.00	GG	120.0	260.0	42.0	45.0	1.5	1.5	2517
TB 16 PJ 315	16	7	65.00	GG	120.0	295.0	42.0	45.0	1.5	1.5	2517
8PL											
TB 8 PL 90	8	4	42.00	GG	-	66.0	48.0	26.0	22.0	-	1108
TB 8 PL 95	8	4	42.00	GG	-	71.0	48.0	26.0	22.0	-	1108
TB 8 PL 106	8	4	42.00	GG	-	82.0	48.0	26.0	22.0	-	1108
TB 8 PL 112	8	4	42.00	GG	-	88.0	48.0	26.0	16.0	-	1610
TB 8 PL 125	8	4	50.00	GG	-	101.0	48.0	32.0	16.0	-	1610
TB 8 PL 132	8	4	50.00	GG	-	108.0	48.0	32.0	16.0	-	1610
TB 8 PL 140	8	4	65.00	GG	-	116.0	48.0	45.0	3.0	-	1610
TB 8 PL 150	8	4	65.00	GG	-	126.0	48.0	45.0	3.0	-	1610
TB 8 PL 160	8	4	65.00	GG	-	136.0	48.0	45.0	3.0	-	1610
TB 8 PL 170	8	4	65.00	GG	-	146.0	48.0	45.0	3.0	-	1610
TB 8 PL 180	8	8	65.00	GG	120.0	156.0	48.0	45.0	1.5	1.5	1610
TB 8 PL 190	8	8	65.00	GG	120.0	166.0	48.0	45.0	1.5	1.5	1610
TB 8 PL 200	8	8	65.00	GG	120.0	176.0	48.0	45.0	1.5	1.5	2012
TB 8 PL 212	8	8	65.00	GG	120.0	188.0	48.0	45.0	1.5	1.5	2012
TB 8 PL 224	8	8	65.00	GG	120.0	202.0	48.0	45.0	1.5	1.5	2012
TB 8 PL 250	8	7	75.00	GG	146.0	228.0	48.0	52.0	2.0	2.0	2012
TB 8 PL 280	8	7	75.00	GG	146.0	256.0	48.0	52.0	2.0	2.0	2012
TB 8 PL 315	8	7	75.00	GG	146.0	285.0	48.0	52.0	2.0	2.0	2012
12PL											
TB 12 PL 75	12	4	32.00	GG	-	56.0	67.0	42.0	25.0	-	1215
TB 12 PL 80	12	4	32.00	GG	-	56.0	67.0	42.0	25.0	-	1215
TB 12 PL 85	12	4	32.00	GG	-	61.0	67.0	42.0	25.0	-	1215
TB 12 PL 90	12	4	42.00	GG	-	66.0	67.0	42.0	25.0	-	1615
TB 12 PL 95	12	4	42.00	GG	-	71.0	67.0	42.0	25.0	-	1615

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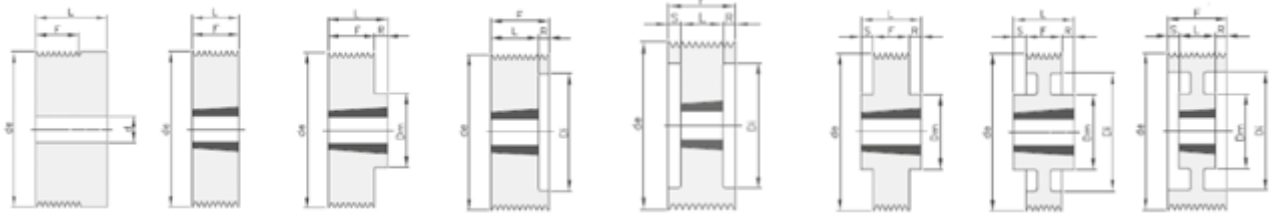
Description	No. of ribs	Type	Max. drilling	Material	D_m (mm)	D_i (mm)	F (mm)	L (mm)	R (mm)	S (mm)	Taper-bushing
TB 12 PL 100	12	4	50.00	GG	-	79.0	67.0	32.0	35.0	-	2012
TB 12 PL 106	12	5	50.00	GG	-	82.0	67.0	32.0	35.0	-	2012
TB 12 PL 112	12	5	50.00	GG	-	88.0	67.0	32.0	35.0	-	2012
TB 12 PL 125	12	5	65.00	GG	-	101.0	67.0	45.0	11.0	11.0	2517
TB 12 PL 132	12	5	65.00	GG	-	108.0	67.0	45.0	11.0	11.0	2517
TB 12 PL 140	12	5	65.00	GG	-	116.0	67.0	45.0	11.0	11.0	2517
TB 12 PL 150	12	5	65.00	GG	-	126.0	67.0	45.0	11.0	11.0	2517
TB 12 PL 160	12	5	65.00	GG	-	136.0	67.0	45.0	11.0	11.0	2517
TB 12 PL 170	12	5	65.00	GG	-	146.0	67.0	45.0	11.0	11.0	2517
TB 12 PL 180	12	8	65.00	GG	120.0	156.0	67.0	45.0	11.0	11.0	2517
TB 12 PL 190	12	8	65.00	GG	120.0	166.0	67.0	45.0	11.0	11.0	2517
TB 12 PL 200	12	8	75.00	GG	146.0	176.0	67.0	52.0	7.5	7.5	3020
TB 12 PL 212	12	8	75.00	GG	146.0	188.0	67.0	52.0	7.5	7.5	3020
TB 12 PL 224	12	8	75.00	GG	146.0	202.0	67.0	52.0	7.5	7.5	3020
TB 12 PL 250	12	8	75.00	GG	146.0	228.0	67.0	52.0	7.5	7.5	3020
TB 12 PL 280	12	8	75.00	GG	146.0	256.0	67.0	52.0	7.5	7.5	3020
16PL											
TB 16 PL 85	16	5	32.00	GG	-	61.0	86.0	42.0	22.0	22.0	1215
TB 16 PL 90	16	5	42.00	GG	-	66.0	86.0	42.0	22.0	22.0	1615
TB 16 PL 95	16	5	42.00	GG	-	71.0	86.0	42.0	22.0	22.0	1615
TB 16 PL 100	16	5	50.00	GG	-	79.0	86.0	32.0	27.0	27.0	2012
TB 16 PL 106	16	5	50.00	GG	-	82.0	86.0	32.0	27.0	27.0	2012
TB 16 PL 112	16	5	50.00	GG	-	88.0	86.0	32.0	27.0	27.0	2012
TB 16 PL 125	16	5	65.00	GG	-	101.0	86.0	45.0	20.5	20.5	2517
TB 16 PL 132	16	5	65.00	GG	-	108.0	86.0	45.0	20.5	20.5	2517
TB 16 PL 140	16	5	65.00	GG	-	116.0	86.0	45.0	20.5	20.5	2517
TB 16 PL 150	16	5	65.00	GG	-	126.0	86.0	45.0	20.5	20.5	2517
TB 16 PL 160	16	5	75.00	GG	-	136.0	86.0	52.0	17.0	17.0	3020
TB 16 PL 170	16	5	75.00	GG	-	146.0	86.0	52.0	17.0	17.0	3020
TB 16 PL 180	16	5	75.00	GG	-	156.0	86.0	52.0	17.0	17.0	3020
TB 16 PL 190	16	8	75.00	GG	146.0	166.0	86.0	52.0	17.0	17.0	3020
TB 16 PL 200	16	8	75.00	GG	146.0	176.0	86.0	52.0	17.0	17.0	3020
TB 16 PL 212	16	8	75.00	GG	146.0	188.0	86.0	52.0	17.0	17.0	3020
TB 16 PL 224	16	8	75.00	GG	146.0	202.0	86.0	52.0	17.0	17.0	3020
TB 16 PL 250	16	7	90.00	GG	178.0	228.0	86.0	89.0	1.5	1.5	3535
TB 16 PL 280	16	7	90.00	GG	178.0	256.0	86.0	89.0	1.5	1.5	3535
TB 16 PL 315	16	7	90.00	GG	178.0	285.0	86.0	89.0	1.5	1.5	3535

optibelt RBS Ribbed Belt Pulleys for Plain Boring
Profile PJ / PL



Type 1 Type 2 Type 3 Type 4 Type 5 Type 6 Type 7 Type 8

Description	No. of ribs	Type	Max. drilling	Material	D_i (mm)	F (mm)	L (mm)	R (mm)	d (mm)
8PJ									
8 PJ 40	8	1	-	GG	-	19.7	32.0	-	12.00
8 PJ 45	8	1	-	GG	-	19.7	32.0	-	12.00
8 PJ 50	8	1	-	GG	-	19.7	32.0	-	12.00
12PJ									
12 PJ 40	12	1	-	GG	-	29.1	41.5	-	12.00
12 PJ 45	12	1	-	GG	-	29.1	41.5	-	12.00
12 PJ 50	12	1	-	GG	-	29.1	41.5	-	12.00
12 PJ 56	12	1	-	GG	-	29.1	41.5	-	12.00
16PJ									
16 PJ 40	16	1	-	GG	-	38.5	51.0	-	12.00
16 PJ 45	16	1	-	GG	-	38.5	51.0	-	12.00
16 PJ 50	16	1	-	GG	-	38.5	51.0	-	12.00
16 PJ 56	16	1	-	GG	-	38.5	51.0	-	12.00
16 PJ 63	16	1	-	GG	-	38.5	51.0	-	12.00
8PL									
8 PL 75	8	4	32.00	GG	56.0	48.0	26.0	22.0	-
8 PL 80	8	4	32.00	GG	56.0	48.0	26.0	22.0	-
8 PL 85	8	4	32.00	GG	61.0	48.0	26.0	22.0	-

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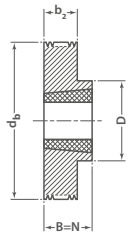
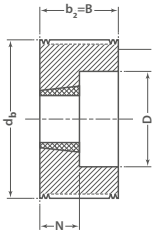


Type 1



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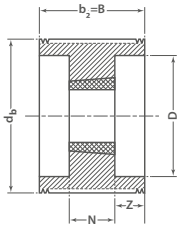

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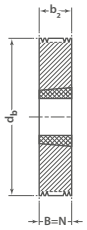

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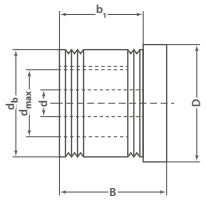

Type VB

Description	No. of ribs	Type	Material	d_b (mm)	b_2 (mm)	B (mm)	N (mm)	D (mm)	Taper bushing
4PJ									
TB 4 PJ 47.5	4	1	GG	47.5	13	23.0	23	47.5	1008
TB 4 PJ 52.5	4	1	GG	52.5	13	23.0	23	47.5	1008
TB 4 PJ 57.5	4	1	GG	57.5	13	23.0	23	54.0	1108
TB 4 PJ 62.5	4	1	GG	62.5	13	23.0	23	54.0	1108
TB 4 PJ 67.5	4	1	GG	67.5	13	23.0	23	54.0	1108
TB 4 PJ 72.5	4	1	GG	72.5	13	23.0	23	54.0	1108
TB 4 PJ 77.5	4	1	GG	77.5	13	26.0	26	70.0	1210
TB 4 PJ 82.5	4	1	GG	82.5	13	26.0	26	78.0	1210
TB 4 PJ 87.5	4	1	GG	87.5	13	26.0	26	78.0	1210
TB 4 PJ 92.5	4	1	GG	92.5	13	26.0	26	78.0	1210
TB 4 PJ 97.5	4	1	GG	97.5	13	26.0	26	78.0	1210
TB 4 PJ 102.5	4	1	GG	102.5	13	26.0	26	85.0	1610
TB 4 PJ 107.5	4	1	GG	107.5	13	26.0	26	85.0	1610
TB 4 PJ 112.5	4	1	GG	112.5	13	26.0	26	85.0	1610
TB 4 PJ 117.5	4	1	GG	117.5	13	26.0	26	85.0	1610
TB 4 PJ 122.5	4	1	GG	122.5	13	26.0	26	85.0	1610
TB 4 PJ 127.5	4	1	GG	127.5	13	26.0	26	85.0	1610
TB 4 PJ 137.5	4	1	GG	137.5	13	26.0	26	85.0	1610
TB 4 PJ 152.5	4	1	GG	152.5	13	26.0	26	85.0	1610
TB 4 PJ 162.5	4	1	GG	162.5	13	26.0	26	85.0	1610
TB 4 PJ 172.5	4	1	GG	172.5	13	26.0	26	85.0	1610
TB 4 PJ 182.5	4	1	GG	182.5	13	26.0	26	85.0	1610
TB 4 PJ 192.5	4	1	GG	192.5	13	26.0	26	85.0	1610
TB 4 PJ 202.5	4	1	GG	202.5	13	33.0	33	100.0	2012
TB 4 PJ 222.5	4	1	GG	222.5	13	33.0	33	100.0	2012
8PJ									
TB 8 PJ 47.5	8	4	GG	47.5	23	23.0	23	-	1008
TB 8 PJ 52.5	8	4	GG	52.5	23	23.0	23	-	1008
TB 8 PJ 57.5	8	4	GG	57.5	23	23.0	23	-	1108
TB 8 PJ 62.5	8	4	GG	62.5	23	23.0	23	-	1108
TB 8 PJ 67.5	8	4	GG	67.5	23	23.0	23	-	1108
TB 8 PJ 72.5	8	4	GG	72.5	23	23.0	23	-	1108
TB 8 PJ 77.5	8	1	GG	77.5	23	26.0	26	70.0	1210
TB 8 PJ 82.5	8	1	GG	82.5	23	26.0	26	78.0	1210
TB 8 PJ 87.5	8	1	GG	87.5	23	26.0	26	78.0	1210
TB 8 PJ 92.5	8	1	GG	92.5	23	26.0	26	78.0	1210
TB 8 PJ 97.5	8	1	GG	97.5	23	26.0	26	78.0	1210
TB 8 PJ 102.5	8	1	GG	102.5	23	26.0	26	85.0	1610
TB 8 PJ 107.5	8	1	GG	107.5	23	26.0	26	85.0	1610
TB 8 PJ 112.5	8	1	GG	112.5	23	26.0	26	85.0	1610
TB 8 PJ 117.5	8	1	GG	117.5	23	26.0	26	85.0	1610
TB 8 PJ 122.5	8	1	GG	122.5	23	26.0	26	85.0	1610
TB 8 PJ 127.5	8	1	GG	127.5	23	26.0	26	85.0	1610
TB 8 PJ 137.5	8	1	GG	137.5	23	26.0	26	85.0	1610

Description	No. of ribs	Type	Material	d_b (mm)	b_2 (mm)	B (mm)	N (mm)	D (mm)	Taper bushing
TB 8 PJ 152.5	8	1	GG	152.5	23	26.0	26	85.0	1610
TB 8 PJ 162.5	8	1	GG	162.5	23	26.0	26	85.0	1610
TB 8 PJ 172.5	8	1	GG	172.5	23	26.0	26	85.0	1610
TB 8 PJ 182.5	8	1	GG	182.5	23	26.0	26	85.0	1610
TB 8 PJ 192.5	8	1	GG	192.5	23	26.0	26	85.0	1610
TB 8 PJ 202.5	8	1	GG	202.5	23	33.0	33	100.0	2012
TB 8 PJ 222.5	8	1	GG	222.5	23	33.0	33	100.0	2012
12PJ									
TB 12 PJ 62.5	12	2	GG	62.5	32	32.0	23	50.0	1108
TB 12 PJ 67.5	12	2	GG	67.5	32	32.0	23	50.0	1108
TB 12 PJ 72.5	12	2	GG	72.5	32	32.0	23	50.0	1108
TB 12 PJ 77.5	12	2	GG	77.5	32	32.0	26	62.0	1210
TB 12 PJ 82.5	12	2	GG	82.5	32	32.0	26	62.0	1210
TB 12 PJ 87.5	12	2	GG	87.5	32	32.0	26	70.0	1610
TB 12 PJ 92.5	12	2	GG	92.5	32	32.0	26	70.0	1610
TB 12 PJ 97.5	12	2	GG	97.5	32	32.0	26	70.0	1610
TB 12 PJ 102.5	12	2	GG	102.5	32	32.0	26	70.0	1610
TB 12 PJ 107.5	12	2	GG	107.5	32	32.0	26	70.0	1610
TB 12 PJ 112.5	12	2	GG	112.5	32	32.0	26	70.0	1610
TB 12 PJ 117.5	12	2	GG	117.5	32	32.0	26	70.0	1610
TB 12 PJ 122.5	12	2	GG	122.5	32	32.0	26	70.0	1610
TB 12 PJ 127.5	12	1	GG	127.5	32	32.0	33	100.0	2012
TB 12 PJ 137.5	12	1	GG	137.5	32	32.0	33	100.0	2012
TB 12 PJ 152.5	12	1	GG	152.5	32	32.0	33	100.0	2012
TB 12 PJ 162.5	12	1	GG	162.5	32	32.0	33	100.0	2012
TB 12 PJ 172.5	12	1	GG	172.5	32	32.0	33	100.0	2012
TB 12 PJ 182.5	12	1	GG	182.5	32	46.0	46	110.0	2517
TB 12 PJ 192.5	12	1	GG	192.5	32	46.0	46	110.0	2517
TB 12 PJ 202.5	12	1	GG	202.5	32	46.0	46	110.0	2517
TB 12 PJ 222.5	12	1	GG	222.5	32	46.0	46	110.0	2517
16PJ									
TB 16 PJ 62.5	16	2	GG	62.5	41	41.0	23	50.0	1108
TB 16 PJ 67.5	16	2	GG	67.5	41	41.0	23	50.0	1108
TB 16 PJ 72.5	16	2	GG	72.5	41	41.0	26	62.0	1210
TB 16 PJ 77.5	16	2	GG	77.5	41	41.0	26	62.0	1210
TB 16 PJ 82.5	16	2	GG	82.5	41	41.0	26	62.0	1210
TB 16 PJ 87.5	16	2	GG	87.5	41	41.0	26	70.0	1610
TB 16 PJ 92.5	16	2	GG	92.5	41	41.0	26	70.0	1610
TB 16 PJ 97.5	16	2	GG	97.5	41	41.0	26	70.0	1610
TB 16 PJ 102.5	16	2	GG	102.5	41	41.0	26	70.0	1610
TB 16 PJ 107.5	16	2	GG	107.5	41	41.0	26	70.0	1610
TB 16 PJ 112.5	16	2	GG	112.5	41	41.0	33	85.0	2012
TB 16 PJ 117.5	16	2	GG	117.5	41	41.0	33	85.0	2012
TB 16 PJ 122.5	16	2	GG	122.5	41	41.0	33	85.0	2012
TB 16 PJ 127.5	16	2	GG	127.5	41	41.0	33	85.0	2012
TB 16 PJ 137.5	16	2	GG	137.5	41	41.0	33	85.0	2012
TB 16 PJ 152.5	16	2	GG	152.5	41	41.0	33	85.0	2012
TB 16 PJ 162.5	16	2	GG	162.5	41	41.0	33	85.0	2012
TB 16 PJ 172.5	16	2	GG	172.5	41	41.0	33	85.0	2012
TB 16 PJ 182.5	16	1	GG	182.5	41	46.0	46	110.0	2517
TB 16 PJ 192.5	16	1	GG	192.5	41	46.0	46	110.0	2517
TB 16 PJ 202.5	16	1	GG	202.5	41	46.0	46	110.0	2517

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Description	No. of ribs	Type	Material	d_b (mm)	b_2 (mm)	B (mm)	N (mm)	D (mm)	Taper bushing
TB 16 PJ 222.5	16	1	GG	222.5	41	46.0	46	110.0	2517
6PL									
TB 6 PL 78	6	2	GG	78.0	33	33.0	26	62.0	1210
TB 6 PL 83	6	2	GG	83.0	33	33.0	26	62.0	1210
TB 6 PL 88	6	2	GG	88.0	33	33.0	26	70.0	1610
TB 6 PL 93	6	2	GG	93.0	33	33.0	26	70.0	1610
TB 6 PL 98	6	2	GG	98.0	33	33.0	26	70.0	1610
TB 6 PL 103	6	2	GG	103.0	33	33.0	26	70.0	1610
TB 6 PL 108	6	2	GG	108.0	33	33.0	26	70.0	1610
TB 6 PL 113	6	2	GG	113.0	33	33.0	26	70.0	1610
TB 6 PL 118	6	2	GG	118.0	33	33.0	26	70.0	1610
TB 6 PL 123	6	4	GG	123.0	33	33.0	33	-	2012
TB 6 PL 133	6	4	GG	133.0	33	33.0	33	-	2012
TB 6 PL 148	6	4	GG	148.0	33	33.0	33	-	2012
TB 6 PL 158	6	4	GG	158.0	33	33.0	33	-	2012
TB 6 PL 168	6	4	GG	168.0	33	33.0	33	-	2012
TB 6 PL 178	6	1	GG	178.0	33	46.0	46	110.0	2517
TB 6 PL 188	6	1	GG	188.0	33	46.0	46	110.0	2517
TB 6 PL 198	6	1	GG	198.0	33	46.0	46	110.0	2517
TB 6 PL 218	6	1	GG	218.0	33	46.0	46	110.0	2517
TB 6 PL 238	6	1	GG	238.0	33	46.0	46	110.0	2517
TB 6 PL 258	6	1	GG	258.0	33	46.0	46	110.0	2517
TB 6 PL 278	6	1	GG	278.0	33	46.0	46	110.0	2517
TB 6 PL 298	6	1	GG	298.0	33	46.0	46	110.0	2517
TB 6 PL 318	6	1	GG	318.0	33	46.0	46	110.0	2517
TB 6 PL 348	6	1	GG	348.0	33	46.0	46	110.0	2517
TB 6 PL 388	6	1	GG	388.0	33	46.0	46	110.0	2517
8PL									
TB 8 PL 78	8	2	GG	78.0	42	42.0	26	62.0	1210
TB 8 PL 83	8	2	GG	83.0	42	42.0	26	62.0	1210
TB 8 PL 88	8	2	GG	88.0	42	42.0	26	70.0	1610
TB 8 PL 93	8	2	GG	93.0	42	42.0	26	70.0	1610
TB 8 PL 98	8	2	GG	98.0	42	42.0	26	70.0	1610
TB 8 PL 103	8	2	GG	103.0	42	42.0	33	85.0	2012
TB 8 PL 108	8	2	GG	108.0	42	42.0	33	85.0	2012
TB 8 PL 113	8	2	GG	113.0	42	42.0	33	85.0	2012
TB 8 PL 118	8	2	GG	118.0	42	42.0	33	85.0	2012
TB 8 PL 123	8	2	GG	123.0	42	42.0	33	85.0	2012
TB 8 PL 133	8	2	GG	133.0	42	42.0	33	85.0	2012
TB 8 PL 148	8	2	GG	148.0	42	42.0	33	85.0	2012
TB 8 PL 158	8	2	GG	158.0	42	42.0	33	85.0	2012
TB 8 PL 168	8	2	GG	168.0	42	42.0	33	85.0	2012
TB 8 PL 178	8	1	GG	178.0	42	46.0	46	110.0	2517
TB 8 PL 188	8	1	GG	188.0	42	46.0	46	110.0	2517
TB 8 PL 198	8	1	GG	198.0	42	46.0	46	110.0	2517
TB 8 PL 218	8	1	GG	218.0	42	46.0	46	110.0	2517
TB 8 PL 238	8	1	GG	238.0	42	46.0	46	110.0	2517
TB 8 PL 258	8	1	GG	258.0	42	46.0	46	110.0	2517
TB 8 PL 278	8	1	GG	278.0	42	46.0	46	110.0	2517
TB 8 PL 298	8	1	GG	298.0	42	46.0	46	110.0	2517
TB 8 PL 318	8	1	GG	318.0	42	46.0	46	110.0	2517
TB 8 PL 348	8	1	GG	348.0	42	46.0	46	110.0	2517

optibelt RBS Ribbed Belt Pulleys for Taper Bushings
Spezial sizes Profile PL

Description	No. of ribs	Type	Material	d_b (mm)	b_2 (mm)	B (mm)	N (mm)	D (mm)	Taper bushing
TB 8 PL 388	8	1	GG	388.0	42	46.0	46	110.0	2517
10PL									
TB 10 PL 88	10	3	GG	88.0	53	53.0	26	70.0	1610
TB 10 PL 93	10	3	GG	93.0	53	53.0	26	70.0	1610
TB 10 PL 98	10	3	GG	98.0	53	53.0	26	70.0	1610
TB 10 PL 103	10	2	GG	103.0	53	53.0	33	85.0	2012
TB 10 PL 108	10	2	GG	108.0	53	53.0	33	85.0	2012
TB 10 PL 113	10	2	GG	113.0	53	53.0	33	85.0	2012
TB 10 PL 118	10	2	GG	118.0	53	53.0	33	85.0	2012
TB 10 PL 123	10	2	GG	123.0	53	53.0	33	85.0	2012
TB 10 PL 133	10	2	GG	133.0	53	53.0	33	85.0	2012
TB 10 PL 148	10	2	GG	148.0	53	53.0	33	85.0	2012
TB 10 PL 158	10	2	GG	158.0	53	53.0	33	85.0	2012
TB 10 PL 168	10	2	GG	168.0	53	53.0	33	85.0	2012
TB 10 PL 178	10	2	GG	178.0	53	53.0	46	105.0	2517
TB 10 PL 188	10	2	GG	188.0	53	53.0	46	105.0	2517
TB 10 PL 198	10	2	GG	198.0	53	53.0	46	105.0	2517
TB 10 PL 218	10	2	GG	218.0	53	53.0	46	105.0	2517
TB 10 PL 238	10	2	GG	238.0	53	53.0	46	105.0	2517
TB 10 PL 258	10	2	GG	258.0	53	53.0	46	105.0	2517
TB 10 PL 278	10	2	GG	278.0	53	53.0	46	105.0	2517
TB 10 PL 298	10	2	GG	298.0	53	53.0	46	105.0	2517
TB 10 PL 318	10	2	GG	318.0	53	53.0	46	105.0	2517
TB 10 PL 348	10	2	GG	348.0	53	53.0	46	105.0	2517
TB 10 PL 388	10	2	GG	388.0	53	53.0	46	105.0	2517
12PL									
TB 12 PL 88	12	3	GG	88.0	62	62.0	26	70.0	1610
TB 12 PL 93	12	3	GG	93.0	62	62.0	26	70.0	1610
TB 12 PL 98	12	3	GG	98.0	62	62.0	26	70.0	1610
TB 12 PL 103	12	3	GG	103.0	62	62.0	33	85.0	2012
TB 12 PL 108	12	3	GG	108.0	62	62.0	33	85.0	2012
TB 12 PL 113	12	3	GG	113.0	62	62.0	33	85.0	2012
TB 12 PL 118	12	3	GG	118.0	62	62.0	33	85.0	2012
TB 12 PL 123	12	3	GG	123.0	62	62.0	33	85.0	2012
TB 12 PL 133	12	3	GG	133.0	62	62.0	33	85.0	2012
TB 12 PL 148	12	2	GG	148.0	62	62.0	46	105.0	2517
TB 12 PL 158	12	2	GG	158.0	62	62.0	46	105.0	2517
TB 12 PL 168	12	2	GG	168.0	62	62.0	46	105.0	2517
TB 12 PL 178	12	2	GG	178.0	62	62.0	46	105.0	2517
TB 12 PL 188	12	2	GG	188.0	62	62.0	46	105.0	2517
TB 12 PL 198	12	2	GG	198.0	62	62.0	46	105.0	2517
TB 12 PL 218	12	2	GG	218.0	62	62.0	46	105.0	2517
TB 12 PL 238	12	2	GG	238.0	62	62.0	52	130.0	3020
TB 12 PL 258	12	2	GG	258.0	62	62.0	52	130.0	3020
TB 12 PL 278	12	2	GG	278.0	62	62.0	52	130.0	3020
TB 12 PL 298	12	2	GG	298.0	62	62.0	52	130.0	3020
TB 12 PL 318	12	2	GG	318.0	62	62.0	52	130.0	3020
TB 12 PL 348	12	2	GG	348.0	62	62.0	52	130.0	3020
TB 12 PL 388	12	2	GG	388.0	62	62.0	52	130.0	3020
16PL									
TB 16 PL 103	16	3	GG	103.0	80	80.0	33	85.0	2012
TB 16 PL 108	16	3	GG	108.0	80	80.0	33	85.0	2012

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optibelt RBS Ribbed Belt Pulleys for Taper Bushings
Spezial sizes Profile PL

Description	No. of ribs	Type	Material	d_b (mm)	b_2 (mm)	B (mm)	N (mm)	D (mm)	Taper bushing
TB 16 PL 113	16	3	GG	113.0	80	80.0	33	85.0	2012
TB 16 PL 118	16	3	GG	118.0	80	80.0	33	85.0	2012
TB 16 PL 123	16	3	GG	123.0	80	80.0	33	85.0	2012
TB 16 PL 133	16	3	GG	133.0	80	80.0	33	85.0	2012
TB 16 PL 148	16	3	GG	148.0	80	80.0	46	105.0	2517
TB 16 PL 158	16	3	GG	158.0	80	80.0	46	105.0	2517
TB 16 PL 168	16	3	GG	168.0	80	80.0	46	105.0	2517
TB 16 PL 178	16	3	GG	178.0	80	80.0	46	105.0	2517
TB 16 PL 188	16	3	GG	188.0	80	80.0	46	105.0	2517
TB 16 PL 198	16	3	GG	198.0	80	80.0	46	105.0	2517
TB 16 PL 218	16	3	GG	218.0	80	80.0	46	105.0	2517
TB 16 PL 238	16	3	GG	238.0	80	80.0	52	130.0	3020
TB 16 PL 258	16	3	GG	258.0	80	80.0	52	130.0	3020
TB 16 PL 278	16	3	GG	278.0	80	80.0	52	130.0	3020
TB 16 PL 298	16	3	GG	298.0	80	80.0	52	130.0	3020
TB 16 PL 318	16	3	GG	318.0	80	80.0	52	130.0	3020
TB 16 PL 348	16	3	GG	348.0	80	80.0	52	130.0	3020
TB 16 PL 388	16	3	GG	388.0	80	80.0	52	130.0	3020

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	16-65	25-75	35-90

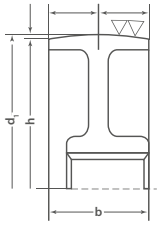
GG = Cast iron Further sizes on request. We reserve the right to make technical changes.
Bore diameters d_2 see page 4.

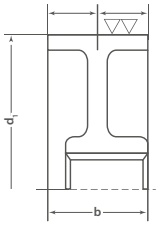
optibelt RBS Ribbed Belt Pulleys for Plain Boring
Spezial sizes Profile PJ

Description	No. of ribs	Type	Material	d_b (mm)	b_1 (mm)	B (mm)	D (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
4PJ										
4 PJ 22.5	4	VB	GG	22.5	13.0	20.0	25.0	8	12	0.045
4 PJ 27.5	4	VB	GG	27.5	13.0	20.0	30.0	8	14	0.070
4 PJ 32.5	4	VB	GG	32.5	13.0	20.0	35.0	8	18	0.100
4 PJ 37.5	4	VB	GG	37.5	13.0	20.0	40.0	8	20	0.135
4 PJ 42.5	4	VB	GG	42.5	13.0	20.0	45.0	8	22	0.180
8PJ										
8 PJ 22.5	8	VB	GG	22.5	23.0	30.0	25.0	8	12	0.063
8 PJ 27.5	8	VB	GG	27.5	23.0	30.0	30.0	8	14	0.100
8 PJ 32.5	8	VB	GG	32.5	23.0	30.0	35.0	8	18	0.150
8 PJ 37.5	8	VB	GG	37.5	23.0	30.0	40.0	8	20	0.200
8 PJ 42.5	8	VB	GG	42.5	23.0	30.0	45.0	8	22	0.265
12PJ										
12 PJ 22.5	12	VB	GG	22.5	32.0	40.0	25.0	8	12	0.086
12 PJ 27.5	12	VB	GG	27.5	32.0	40.0	30.0	8	14	0.140
12 PJ 32.5	12	VB	GG	32.5	32.0	40.0	35.0	8	18	0.200
12 PJ 37.5	12	VB	GG	37.5	32.0	40.0	40.0	8	20	0.280
12 PJ 42.5	12	VB	GG	42.5	32.0	40.0	45.0	8	22	0.360

GG = Cast iron Further sizes on request. We reserve the right to make technical changes.

optibelt FS Flat Belt Pulleys for Taper Bushings





Description	Taper bushing
FS	
TB 63 x 50*	1108
TB 80 x 50*	1210
TB 80 x 80*	1615
TB 90 x 50*	1615
TB 90 x 80*	1615
TB 90 x 100*	1615
TB 100 x 50*	1615
TB 100 x 80*	1615
TB 100 x 100*	1615
TB 125 x 50*	2012
TB 125 x 80*	2517
TB 125 x 100*	2517
TB 125 x 125*	2517
TB 140 x 50*	2012
TB 140 x 80*	2517
TB 140 x 100*	3020
TB 140 x 125*	3030
TB 150 x 50*	2012
TB 150 x 80*	2517
TB 150 x 100*	3020
TB 150 x 125*	3030
TB 150 x 160*	3030
TB 160 x 50*	2012
TB 160 x 80*	2517
TB 160 x 100*	3020
TB 160 x 125*	3030
TB 160 x 160*	3030
TB 180 x 80*	2517
TB 180 x 100*	3020
TB 180 x 125*	3030
TB 180 x 160*	3030
TB 200 x 80*	2517
TB 200 x 100*	3020
TB 200 x 125*	3030
TB 200 x 160*	3030
TB 224 x 50*	2517
TB 224 x 80*	2517
TB 224 x 100*	3020
TB 224 x 125*	3030
TB 224 x 160*	3030
TB 250 x 80*	2517
TB 250 x 100*	3020
TB 250 x 125*	3030

Description	Taper bushing
TB 250 x 160*	3030
TB 280 x 100*	3020
TB 280 x 125*	3030
TB 280 x 160*	3535
TB 280 x 200*	4040
TB 315 x 100*	3020
TB 315 x 125*	3030
TB 315 x 160*	3535
TB 315 x 200*	4040
TB 355 x 100*	3030
TB 355 x 125*	3030
TB 355 x 160*	3535
TB 355 x 200*	4040
TB 400 x 100*	3535
TB 400 x 125*	3535
TB 400 x 160*	3535
TB 400 x 200*	4040
TB 450 x 160*	3535
TB 450 x 200*	4040
TB 500 x 160*	4040
TB 500 x 200*	4545
TB 560 x 160*	4040
TB 560 x 200*	4545
TB 630 x 160*	4545

Taper bushing	1108	1210	1615	2012	2517	3020	3030	3535	4040	4545
Bore d_2 (mm) from... to...	10-28	11-32	14-42	14-50	16-65	25-75	35-75	35-90	40-100	55-110

Bore diameters d_2 see page 4. Material: EN-GJL 200
We reserve the right to make technical changes.
* Non stock item

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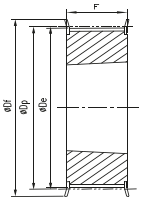
optibelt ZRS HTD Pulleys for Taper Bushings
Profile 5M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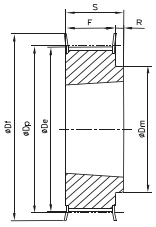
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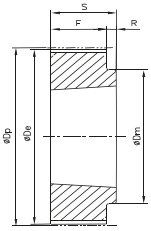
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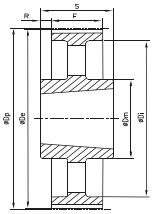
Ausf. 7A

Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	S (mm)	R (mm)	D_m (mm)	Taper bushing	Weight without bushing (≈kg)
5M - Pitch 5 mm for belt width 15 mm												
TB 34 5M 15	34	3F	ST	54.11	52.97	57	22	22	-	-	1008	0.190
TB 36 5M 15	36	3F	ST	57.30	56.16	60	22	22	-	-	1108	0.200
TB 38 5M 15	38	3F	ST	60.48	59.34	66.5	22	22	-	-	1108	0.250
TB 40 5M 15	40	3F	ST	63.66	62.52	71	22	22	-	-	1108	0.310
TB 44 5M 15	44	3F	ST	70.03	68.89	75	22	22	-	-	1108	0.400
TB 48 5M 15	48	8F	ST	76.39	75.25	83	22	25	3	59	1210	0.450
TB 56 5M 15	56	8F	ST	89.13	87.99	93	22	25	3	70	1210	0.670
TB 64 5M 15	64	8F	ST	101.86	100.72	106	22	25	3	80	1210	0.960
TB 72 5M 15	72	8	ST	114.59	113.45	-	22	25	3	92	1610	1.190
TB 80 5M 15	80	8	ST	127.32	126.18	-	22	25	3	92	1610	1.570
TB 90 5M 15	90	8	ST	143.24	142.10	-	22	25	3	92	1610	1.147
TB 112 5M 15	112	8	ST	178.25	177.11	-	20	32	12	110	2012	1.940
TB 136 5M 15	136	7A	ST	216.45	215.31	-	20	32	6	110	2012	3.060
TB 150 5M 15	150	7A	ST	238.73	237.59	-	20	32	6	110	2012	3.900

Taper bushing	1008	1108	1210	1610	2012
Bore d_2 from... to...	10-25	10-28	11-32	14-42	14-50

GG = Cast iron ST = Steel **We reserve the right to make technical changes.** * Non stock items.

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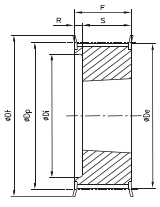
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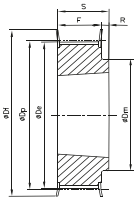
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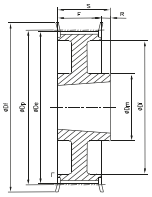
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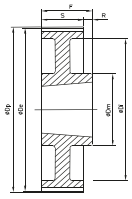
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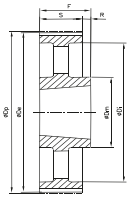
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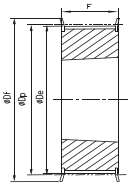
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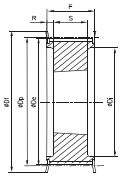
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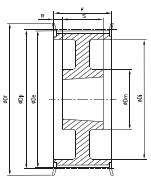
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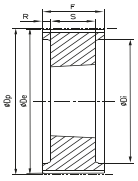
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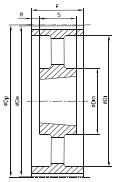
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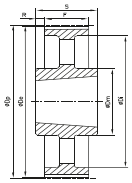
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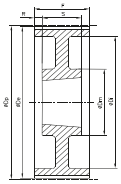
Ausf. 9W

Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	S (mm)	R (mm)	D_m (mm)	D_i (mm)	Taper bushing	Weight without bushing (≈kg)
8M - Pitch 8 mm for belt width 20 mm													
TB 22 8M 20	22	5F	ST	56.02	54.65	60	28	22	6	-	37	1008	0.240
TB 24 8M 20	24	5F	ST	61.12	59.75	66	28	22	6	-	44	1108	0.300
TB 26 8M 20	26	5F	ST	66.21	64.84	70	28	22	6	-	45	1108	0.360
TB 28 8M 20	28	5F	ST	71.30	70.08	75	28	22	6	-	50	1108	0.440
TB 30 8M 20	30	5F	ST	76.39	75.13	83	28	22	6	-	58	1108	0.530
TB 32 8M 20	32	5F	ST	81.49	80.16	87	28	25	3	-	63	1610	0.420
TB 34 8M 20	34	5F	ST	86.58	85.22	91	28	25	3	-	64	1610	0.550
TB 36 8M 20	36	5F	ST	91.67	90.30	97	28	25	3	-	68	1610	0.680
TB 38 8M 20	38	5F	ST	96.77	95.39	102	28	25	3	-	72	1610	0.800
TB 40 8M 20	40	5F	ST	101.86	100.49	106	28	25	3	-	76	1610	1.000
TB 44 8M 20	44	8F	ST	112.05	110.67	120	28	32	4	93	-	2012	1.200
TB 48 8M 20	48	8F	ST	122.23	120.86	128	28	32	4	96	-	2012	1.600
TB 56 8M 20	56	8F	ST	142.60	141.23	150	28	32	4	110	-	2012	2.400
TB 64 8M 20	64	8WF	ST	162.97	161.60	168	28	32	4	110	137	2012	2.700
TB 72 8M 20	72	8WF	ST	183.35	181.97	192	28	32	4	110	158	2012	3.300
TB 80 8M 20	80	8W	GG	203.72	202.35	-	28	32	4	110	180	2012	3.500
TB 90 8M 20	90	8A	GG	229.18	227.81	-	28	32	4	110	204	2012	3.650
8M - Pitch 8 mm for belt width 30 mm													
TB 22 8M 30	22	5F	ST	56.02	54.65	60	38	22	16	-	37	1008	0.290
TB 24 8M 30	24	5F	ST	61.12	59.75	66	38	22	16	-	44	1108	0.380
TB 26 8M 30	26	5F	ST	66.21	64.84	70	38	22	16	-	44	1108	0.450
TB 28 8M 30	28	5F	ST	71.30	70.08	75	38	25	13	-	50	1210	0.500
TB 30 8M 30	30	3F	ST	76.39	75.13	83	38	38	-	-	-	1615	0.450
TB 32 8M 30	32	3F	ST	81.49	80.16	87	38	38	-	-	-	1615	0.590
TB 34 8M 30	34	3F	ST	86.58	85.22	91	38	38	-	-	-	1615	0.770
TB 36 8M 30	36	3F	ST	91.67	90.30	97	38	38	-	-	-	1615	0.960
TB 38 8M 30	38	3F	ST	96.77	95.39	102	38	38	-	-	-	1615	1.150
TB 40 8M 30	40	3F	ST	101.86	100.49	106	38	38	-	-	-	1615	1.340
TB 44 8M 30	44	4F	ST	112.05	110.67	120	38	32	3	-	86	2012	1.330
TB 48 8M 30	48	4F	ST	122.23	120.86	128	38	32	3	-	90	2012	1.780
TB 56 8M 30	56	4F	ST	142.60	141.23	150	38	32	3	-	110	2012	3.760
TB 64 8M 30	64	8F	ST	162.97	161.60	168	38	45	7	125	-	2517	4.200
TB 72 8M 30	72	8WF	ST	183.35	181.97	192	38	45	7	125	158	2517	4.300
TB 80 8M 30	80	8W	GG	203.72	202.35	-	38	45	7	125	180	2517	4.600
TB 90 8M 30	90	8A	GG	229.18	227.81	-	38	45	7	125	204	2517	5.000
TB 112 8M 30	112	8A	GG	285.21	283.83	-	38	45	7	125	254	2517	6.200
TB 144 8M 30	144	8A	GG	366.69	365.32	-	38	45	7	125	336	2517	9.000

optibelt ZRS HTD Pulleys for Taper Bushings
Profile 8M

Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	S (mm)	R (mm)	D_m (mm)	D_i (mm)	Taper bushing	Weight without bushing (≈kg)
8M - Pitch 8 mm for belt width 50 mm													
TB 28 8M 50	28	4F	ST	71.30	70.08	75	60	25	17.5	-	50	1210	0.600
TB 30 8M 50	30	5F	ST	76.39	75.13	83	60	38	22	-	58	1615	0.650
TB 32 8M 50	32	5F	ST	81.49	80.16	87	60	38	22	-	62	1615	0.820
TB 34 8M 50	34	5F	ST	86.58	85.22	91	60	38	22	-	65	1615	1.060
TB 36 8M 50	36	5F	ST	91.67	90.30	97	60	38	22	-	68	1615	1.300
TB 38 8M 50	38	5F	ST	96.77	95.39	102	60	38	22	-	72	1615	1.600
TB 40 8M 50	40	4F	ST	101.86	100.49	106	60	32	14	-	82	2012	1.710
TB 44 8M 50	44	4F	ST	112.05	110.67	120	60	32	14	-	91	2012	1.780
TB 48 8M 50	48	4F	ST	122.23	120.86	128	60	32	14	-	95	2012	2.300
TB 56 8M 50	56	4F	ST	142.60	141.23	150	60	45	7.5	-	116	2517	3.400
TB 64 8M 50	64	4F	ST	162.97	161.60	168	60	45	7.5	-	137	2517	5.000
TB 72 8M 50	72	9WF	ST	183.35	181.97	192	60	45	7.5	125	158	2517	6.700
TB 80 8M 50	80	4	GG	203.72	202.35	-	60	51	4.5	-	180	3020	8.800
TB 90 8M 50	90	9W	GG	229.18	227.81	-	60	51	4.5	170	204	3020	10.000
TB 112 8M 50	112	9W	GG	285.21	283.83	-	60	51	4.5	170	260	3020	12.000
TB 144 8M 50	144	9A	GG	366.69	365.32	-	60	51	4.5	170	341	3020	15.200
TB 168 8M 50	168	7A	GG	427.81	426.44	-	60	65	2.5	198	395	3525	16.400
TB 192 8M 50	192	7A	GG	488.92	487.55	-	60	65	2.5	198	455	3525	21.800
8M - Pitch 8 mm for belt width 85 mm													
TB 34 8M 85	34	4F	ST	86.58	85.22	91	95	38	28.5	-	65	1615	1.430
TB 36 8M 85	36	4F	ST	91.67	90.30	97	95	38	28.5	-	68	1615	1.870
TB 38 8M 85	38	4F	ST	96.77	95.39	102	95	38	28.5	-	72	1615	2.200
TB 40 8M 85	40	4F	ST	101.86	100.49	106	95	32	31.5	-	82	2012	1.780
TB 44 8M 85	44	4F	ST	112.05	110.67	120	95	32	31.5	-	91	2012	2.300
TB 48 8M 85	48	4F	ST	122.23	120.86	128	95	45	25	-	100	2517	2.660
TB 56 8M 85	56	4F	ST	142.60	141.23	150	95	45	25	-	117	2517	4.450
TB 64 8M 85	64	4F	ST	162.97	161.60	168	95	45	25	-	137	2517	6.200
TB 72 8M 85	72	4F	ST	183.35	181.97	192	95	51	22	-	158	3020	8.000
TB 80 8M 85	80	4	GG	203.72	202.35	-	95	51	22	-	180	3020	10.000
TB 90 8M 85	90	9W	GG	229.18	227.81	-	95	51	22	170	204	3020	10.800
TB 112 8M 85	112	9W	GG	285.21	283.83	-	95	51	22	170	260	3020	15.000
TB 144 8M 85	144	9A	GG	366.69	365.32	-	95	65	15	198	336	3525	20.000
TB 168 8M 85	168	9A	GG	427.81	426.44	-	95	65	15	198	395	3525	23.000
TB 192 8M 85	192	9A	GG	488.92	487.55	-	95	65	15	198	455	3525	28.500

Taper bushing	1008	1108	1210	1610	1615	2012	2517	3020	3525
Bore d_2 (mm) from... to...	10-25	10-28	11-32	14-42	14-42	14-50	16-65	25-75	35-90

GG = Cast iron ST = Steel **We reserve the right to make technical changes.** * Non stock items.

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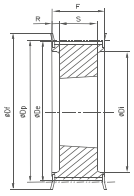
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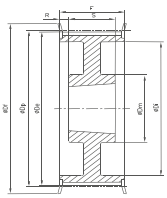
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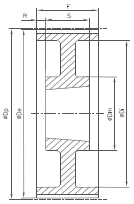
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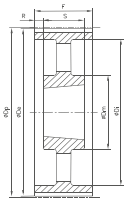
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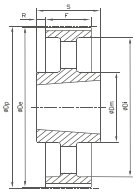
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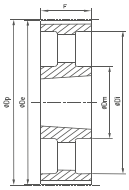
Ausf. 3A

Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	S (mm)	R (mm)	D_m (mm)	D_i (mm)	Taper bushing	Weight without bushing (≈kg)
14M - Pitch 14 mm for belt width 40 mm													
TB 28 14M 40	28	4F	ST	124.78	122.12	128	54	32	11	-	94	2012	2.000
TB 29 14M 40	29	4F	ST	129.23	126.57	138	54	32	11	-	98	2012	2.380
TB 30 14M 40	30	4F	ST	133.69	130.99	138	54	32	11	-	98	2012	2.650
TB 32 14M 40	32	4F	ST	142.60	139.88	154	54	32	11	-	108	2012	3.400
TB 34 14M 40	34	4F	ST	151.52	148.79	160	54	45	4.5	-	110	2517	3.870
TB 36 14M 40	36	4F	ST	160.43	157.68	168	54	45	4.5	-	120	2517	4.800
TB 38 14M 40	38	4F	ST	169.34	166.60	183	54	45	4.5	-	130	2517	5.400
TB 40 14M 40	40	4F	ST	178.25	175.49	188	54	45	4.5	-	138	2517	6.000
TB 44 14M 40	44	4F	ST	196.08	193.28	211	54	51	1.5	-	155	3020	7.800
TB 48 14M 40	48	4F	ST	213.90	211.11	226	54	51	1.5	-	170	3020	9.400
TB 56 14M 40	56	9WF	ST	249.55	246.76	256	54	51	1.5	170	208	3020	10.800
TB 64 14M 40	64	9WF	GG	285.21	282.41	296	54	51	1.5	170	240	3020	13.400
TB 72 14M 40	72	9W	GG	320.86	318.06	-	54	51	1.5	170	280	3020	15.200
TB 80 14M 40	80	9A	GG	356.51	353.71	-	54	51	1.5	170	315	3020	16.000
TB 90 14M 40	90	9A	GG	401.07	398.28	-	54	51	1.5	170	360	3020	17.800
TB 112 14M 40	112	9A	GG	499.11	496.32	-	54	51	1.5	170	457	3020	25.600
TB 144 14M 40	144	9A	GG	641.71	638.92	-	54	51	1.5	170	600	3020	32.000
TB 168 14M 40	168	9A	GG	748.66	745.87	-	54	51	1.5	170	706	3020	44.000
TB 192 14M 40	192	9A	GG	855.62	852.82	-	54	51	1.5	170	813	3020	49.000
TB 216 14M 40	216	9A	GG	962.57	959.77	-	54	51	1.5	170	920	3020	55.000
14M - Pitch 14 mm for belt width 55 mm													
TB 28 14M 55	28	4F	ST	124.78	122.12	128	70	32	19	-	98	2012	2.200
TB 29 14M 55	29	4F	ST	129.23	126.57	138	70	32	19	-	100	2517	2.740
TB 30 14M 55	30	4F	ST	133.69	130.99	138	70	45	12.5	-	100	2517	2.700
TB 32 14M 55	32	4F	ST	142.60	139.88	154	70	45	12.5	-	108	2517	3.660
TB 34 14M 55	34	4F	ST	151.52	148.79	160	70	45	12.5	-	110	2517	4.550
TB 36 14M 55	36	4F	ST	160.43	157.68	168	70	45	12.5	-	120	2517	5.200
TB 38 14M 55	38	4F	ST	169.34	166.60	183	70	45	12.5	-	130	2517	6.200
TB 40 14M 55	40	4F	ST	178.25	175.49	188	70	45	12.5	-	138	2517	7.000
TB 44 14M 55	44	4F	ST	196.08	193.28	211	70	51	9.5	-	155	3020	8.600
TB 48 14M 55	48	4F	ST	213.90	211.11	226	70	51	9.5	-	170	3020	10.400
TB 56 14M 55	56	9WF	ST	249.55	246.76	256	70	51	9.5	170	208	3020	12.000
TB 64 14M 55	64	9WF	GG	285.21	282.41	296	70	51	9.5	170	242	3020	14.500
TB 72 14M 55	72	9W	GG	320.86	318.06	-	70	51	9.5	170	280	3020	16.200
TB 80 14M 55	80	9A	GG	356.51	353.71	-	70	51	9.5	170	315	3020	17.500
TB 90 14M 55	90	9A	GG	401.07	398.28	-	70	51	9.5	170	360	3020	20.100
TB 112 14M 55	112	9A	GG	499.11	496.32	-	70	51	9.5	170	457	3020	28.400
TB 144 14M 55	144	9A	GG	641.71	638.92	-	70	51	9.5	170	600	3020	36.200
TB 168 14M 55	168	9A	GG	748.66	745.87	-	70	51	9.5	170	706	3020	49.000
TB 192 14M 55	192	9A	GG	855.62	852.82	-	70	51	9.5	170	813	3020	53.000
TB 216 14M 55	216	7A	GG	962.57	959.76	-	70	89	9.5	190	920	3535	65.800
14M - Pitch 14 mm for belt width 85 mm													
TB 28 14M 85	28	4F	GG	127.0	102.0	102.0	45	-	28.5	-	98	2517	2.700

optibelt ZRS HTD Pulleys for Taper Bushings
Profile 14M

Description	Number of teeth	Type	Material	D_p (mm)	D_e (me)	D_f (mm)	F (mm)	S (mm)	R (mm)	D_m (mm)	D_i (mm)	Taper bushing	Weight without bushing (≈kg)
TB 29 14M 85	29	4F	ST	129.23	126.57	138	102	45	28.5	-	100	2517	3.400
TB 30 14M 85	30	4F	ST	133.69	130.99	138	102	45	28.5	-	100	2517	3.750
TB 32 14M 85	32	4F	ST	142.60	139.88	154	102	45	28.5	-	108	2517	4.800
TB 34 14M 85	34	4F	ST	151.52	148.79	160	102	45	28.5	-	110	2517	6.000
TB 36 14M 85	36	4F	ST	160.43	157.68	168	102	51	25.5	-	120	3020	5.800
TB 38 14M 85	38	4F	ST	169.34	166.60	183	102	51	25.5	-	130	3020	6.800
TB 40 14M 85	40	4F	ST	178.25	175.49	188	102	51	25.5	-	138	3020	8.000
TB 44 14M 85	44	4F	ST	196.08	193.28	211	102	51	25.5	-	155	3020	11.800
TB 48 14M 85	48	4F	ST	213.90	211.11	226	102	51	25.5	-	170	3020	15.100
TB 56 14M 85	56	4F	ST	249.55	246.76	256	102	65	18.5	-	210	3525	19.000
TB 64 14M 85	64	9WF	GG	285.21	282.41	296	102	65	18.5	190	242	3525	23.000
TB 72 14M 85	72	9W	GG	320.86	318.06	-	102	65	18.5	190	280	3525	25.000
TB 80 14M 85	80	9A	GG	356.51	353.71	-	102	65	18.5	190	315	3525	26.000
TB 90 14M 85	90	9A	GG	401.07	398.28	-	102	65	18.5	190	360	3525	27.800
TB 112 14M 85	112	9A	GG	499.11	496.32	-	102	65	18.5	190	457	3525	36.500
TB 144 14M 85	144	9A	GG	641.71	638.92	-	102	65	18.5	190	600	3525	48.000
TB 168 14M 85	168	9A	GG	748.66	745.87	-	102	65	18.5	190	706	3525	60.000
TB 192 14M 85	192	3A	GG	855.62	852.82	-	102	102	-	190	813	4040	86.000
TB 216 14M 85	216	3A	GG	962.57	959.77	-	102	102	-	190	920	4040	91.500
14M - Pitch 14 mm for belt width 115 mm													
TB 28 14M 115	28	4F	ST	124.78	122.12	128	133	45	44	-	98	2517	3.770
TB 29 14M 115	29	4F	ST	129.23	126.57	138	133	45	44	-	100	2517	4.000
TB 30 14M 115	30	4F	ST	133.69	130.99	138	133	45	44	-	100	2517	5.000
TB 32 14M 115	32	4F	ST	142.60	139.88	154	133	45	44	-	108	2517	6.800
TB 34 14M 115	34	4F	ST	151.52	148.79	160	133	45	44	-	110	2517	6.800
TB 36 14M 115	36	4F	ST	160.43	157.68	168	133	51	41	-	120	3020	7.000
TB 38 14M 115	38	4F	ST	169.34	166.60	183	133	51	41	-	130	3020	8.400
TB 40 14M 115	40	4F	ST	178.25	175.49	188	133	51	41	-	138	3020	9.200
TB 44 14M 115	44	4F	ST	196.08	193.28	211	133	76	28.5	-	155	3030	14.000
TB 48 14M 115	48	4F	ST	213.90	211.11	226	133	76	28.5	-	170	3030	17.100
TB 56 14M 115	56	4F	ST	249.55	246.76	256	133	89	22	-	208	3535	24.800
TB 64 14M 115	64	9WF	GG	285.21	282.41	296	133	89	22	190	240	3535	27.000
TB 72 14M 115	72	9W	GG	320.86	318.06	-	133	89	22	190	280	3535	29.000
TB 80 14M 115	80	9A	GG	356.51	353.71	-	133	89	22	190	315	3535	32.000
TB 90 14M 115	90	9A	GG	401.07	398.28	-	133	89	22	190	360	3535	36.500
TB 112 14M 115	112	9A	GG	499.11	496.32	-	133	89	22	190	457	3535	46.000
TB 144 14M 115	144	9A	GG	641.71	638.92	-	133	102	15.5	230	600	4040	68.000
TB 168 14M 115	168	9A	GG	748.66	745.87	-	133	102	15.5	230	706	4040	82.600
TB 192 14M 115	192	9A	GG	855.62	852.82	-	133	102	15.5	230	813	4040	96.000
TB 216 14M 115	216	9A	GG	962.57	959.76	-	133	102	15.5	230	920	4040	107.000
14M - Pitch 14 mm for belt width 170 mm													
TB 38 14M 170*	38	4F	ST	169.34	166.60	183	187	76	55.5	-	130	3030	11.700
TB 40 14M 170*	40	4F	ST	178.25	175.49	188	187	76	55.5	-	138	3030	13.000
TB 44 14M 170*	44	4F	ST	196.08	193.28	211	187	89	49	-	153	3535	15.000
TB 48 14M 170*	48	4F	ST	213.90	211.11	226	187	89	49	-	170	3535	19.000
TB 56 14M 170*	56	4F	ST	249.55	246.76	256	187	89	49	-	208	3535	28.500
TB 64 14M 170*	64	4F	GG	285.21	282.41	296	187	102	42.5	-	240	4040	41.000
TB 72 14M 170*	72	9W	GG	320.86	318.06	-	187	102	42.5	230	280	4040	46.900
TB 80 14M 170*	80	9W	GG	356.51	353.71	-	187	102	42.5	230	315	4040	48.000
TB 90 14M 170*	90	9A	GG	401.07	398.28	-	187	102	42.5	230	360	4040	52.500

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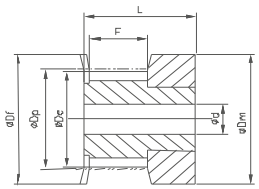
Description	Number of teeth	Type	Material	D_p (mm)	D_e (me)	D_f (mm)	F (mm)	S (mm)	R (mm)	D_m (mm)	D_i (mm)	Taper bushing	Weight without bushing (≈kg)
TB 112 14M 170*	112	9A	GG	499.11	496.32	-	187.0	127	30	265	457	5050	74.500
TB 144 14M 170*	144	9A	GG	641.71	638.92	-	187.0	127	30	265	600	5050	91.000
TB 168 14M 170*	168	9A	GG	748.66	745.87	-	187.0	127	30	265	706	5050	116.000
TB 192 14M 170*	192	9A	GG	855.62	852.82	-	187.0	127	30	265	813	5050	134.000
TB 216 14M 170*	216	9A	GG	962.57	959.77	-	187.0	127	30	265	920	5050	146.500

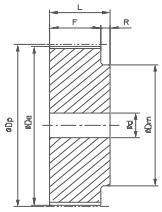
Taper bushing	2012	2517	3020	3030	3525	3535	4040	5050
Bore d_2 (mm) from... to...	14-50	16-65	25-75	35-75	35-90	35-90	40-100	70-125

GG = Cast iron ST = Steel **We reserve the right to make technical changes.** * Non stock items.

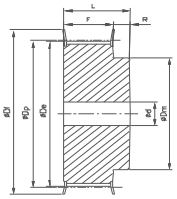
optibelt ZRS HTD Pulleys for Plain Boring
Profile 3M



Ausf. 1F



Ausf. 6



Ausf. 6F

Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
3M - Pitch 3 mm for belt width 6 mm												
10 3M 6*	10	1F	AL	9.55	8.79	13	7.2	14.5	13	-	3	-
12 3M 6*	12	1F	AL	11.46	10.70	15	7.2	14.5	15	-	5	-
14 3M 6*	14	1F	AL	13.37	12.61	16	7.2	14.5	16	-	6	-
15 3M 6*	15	1F	AL	14.32	13.56	17.5	7.2	14.5	17.5	-	6	-
16 3M 6*	16	6F	AL	15.28	14.52	17.5	9.8	17.5	10	-	7	-
18 3M 6*	18	6F	AL	17.19	16.43	20	9.8	17.5	11	-	8	-
20 3M 6*	20	6F	AL	19.10	18.34	23	9.8	17.5	13	-	9	-
21 3M 6*	21	6F	AL	20.05	19.29	25	9.8	17.5	13	-	9	-
22 3M 6*	22	6F	AL	21.01	20.25	25	9.8	17.5	13	-	9	-
24 3M 6*	24	6F	AL	22.92	22.16	25	9.8	17.5	13	-	9	-
26 3M 6*	26	6F	AL	24.83	24.07	28	9.8	17.5	16	-	11	-
28 3M 6*	28	6F	AL	26.74	25.98	32	9.8	17.5	18	-	12	-
30 3M 6*	30	6F	AL	28.65	27.89	32	9.8	17.5	20	-	14	-
32 3M 6*	32	6F	AL	30.56	29.80	36	9.8	17.5	22	-	15	-
36 3M 6*	36	6F	AL	34.38	33.62	39	10.3	18	26	-	16	-
40 3M 6*	40	6F	AL	38.20	37.44	42	10.3	18	28	-	18	-
44 3M 6*	44	6F	AL	42.02	41.26	48	10.3	18	33	-	20	-
48 3M 6*	48	6	AL	45.84	45.08	-	10.3	18.6	33	8	20	-
60 3M 6*	60	6	AL	57.30	56.54	-	10.3	18.6	33	8	20	-
72 3M 6*	72	6	AL	68.75	67.99	-	10.3	18.6	33	8	20	-
3M - Pitch 3 mm for belt width 9 mm												
10 3M 9	10	1F	AL	9.55	8.79	13	10.2	17.5	13	-	3	0.004
12 3M 9	12	1F	AL	11.46	10.70	15	10.2	17.5	15	-	5	0.006
14 3M 9	14	1F	AL	13.37	12.61	16	10.2	17.5	16	-	6	0.007
15 3M 9	15	1F	AL	14.32	13.56	17.5	10.2	17.5	17.5	-	6	0.008
16 3M 9	16	1F	AL	15.28	14.52	17.5	12.8	20.6	10	-	7	0.007
18 3M 9	18	6F	AL	17.19	16.43	20	12.8	20.6	10.6	-	8	0.008
20 3M 9	20	6F	AL	19.10	18.34	23	12.8	20.6	12.4	-	9	0.010
21 3M 9	21	6F	AL	20.05	19.29	25	12.8	20.6	13	-	9	0.013
22 3M 9	22	6F	AL	21.01	20.25	25	12.8	20.6	13	-	9	0.014
24 3M 9	24	6F	AL	22.92	22.16	25	12.8	20.6	13	-	9	0.016
26 3M 9	26	6F	AL	24.83	24.07	28	12.8	20.6	16	-	11	0.018
28 3M 9	28	6F	AL	26.74	25.98	32	12.8	20.6	18	-	12	0.024
30 3M 9	30	6F	AL	28.65	27.89	32	12.8	20.6	20	-	14	0.028
32 3M 9	32	6F	AL	30.56	29.80	36	12.8	20.6	22	-	15	0.032
36 3M 9	36	6F	AL	34.38	33.62	39	13.4	22.2	26	-	16	0.045
40 3M 9	40	6F	AL	38.20	37.44	42	13.4	22.2	28	-	18	0.055
44 3M 9	44	6F	AL	42.02	41.26	48	13.4	22.2	33	-	20	0.074
48 3M 9	48	6	AL	45.84	45.08	-	13.4	22.2	33	8	20	0.074
60 3M 9	60	6	AL	57.30	56.54	-	13.4	22.2	33	8	20	0.106
72 3M 9	72	6	AL	68.75	67.99	-	13.4	22.2	33	8	20	0.145
3M - Pitch 3 mm for belt width 15 mm												
10 3M 15	10	1F	AL	9.55	8.79	13	17	26	13	-	3	0.006

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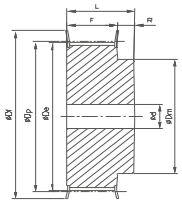
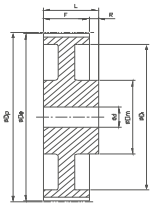
Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
12 3M 15	12	1F	AL	11.46	10.70	15	17	26	15	-	5	0.008
14 3M 15	14	1F	AL	13.37	12.61	16	17	26	16	-	6	0.010
15 3M 15	15	1F	AL	14.32	13.56	17.5	17	26	17.5	-	6	0.012
16 3M 15	16	6F	AL	15.28	14.52	17.5	19.5	26	10	-	7	0.010
18 3M 15	18	6F	AL	17.19	16.43	20	19.5	26	11	-	8	0.012
20 3M 15	20	6F	AL	19.10	18.34	23	19.5	26	13	-	9	0.014
21 3M 15	21	6F	AL	20.05	19.29	25	19.5	26	14	-	9	0.016
22 3M 15	22	6F	AL	21.01	20.25	25	19.5	26	14	-	9	0.018
24 3M 15	24	6F	AL	22.92	22.16	25	19.5	26	14	-	9	0.020
26 3M 15	26	6F	AL	24.83	24.07	28	19.5	26	16	-	11	0.027
28 3M 15	28	6F	AL	26.74	25.98	32	19.5	26	18	-	12	0.030
30 3M 15	30	6F	AL	28.65	27.89	32	19.5	26	20	-	14	0.035
32 3M 15	32	6F	AL	30.56	29.80	36	19.5	26	22	-	15	0.042
36 3M 15	36	6F	AL	34.38	33.62	39	20	30	26	-	16	0.060
40 3M 15	40	6F	AL	38.20	37.44	42	20	30	28	-	18	0.075
44 3M 15	44	6F	AL	42.02	41.26	48	20	30	33	-	20	0.100
48 3M 15	48	6	AL	45.84	45.08	-	20	30	33	8	20	0.103
60 3M 15	60	6	AL	57.30	56.54	-	20	30	33	8	20	0.150
72 3M 15	72	6	AL	68.75	67.99	-	20	30	33	8	20	0.212

AL = Aluminium ST = Steel GG = Cast iron **We reserve the right to make technical changes.** * Non stock items.

optibelt ZRS HTD Pulleys for Plain Boring
Profile 5M



Ausf. 6F



Ausf. 6W

Description	Number of teeth	Type	Material	D_P (mm)	D_e (mm)	D_f (mm)	D_i (mm)	F (mm)	L (mm)	D_m (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
5M - Pitch 5 mm for belt width 9 mm													
12 5M 9	12	6F	ST	19.10	17.96	23	-	14.5	20	12	-	7	0.028
14 5M 9	14	6F	ST	22.28	21.14	25	-	14.5	20	13	-	8	0.034
15 5M 9	15	6F	ST	23.87	22.73	28	-	14.5	20	16	-	10	0.042
16 5M 9	16	6F	ST	25.46	24.32	28	-	14.5	20	16.2	-	10	0.050
18 5M 9	18	6F	ST	28.65	27.51	32	-	14.5	20	20	-	12	0.070
20 5M 9	20	6F	ST	31.83	30.69	36	-	14.5	22.5	23	-	14	0.094
21 5M 9	21	6F	ST	33.42	32.28	38	-	14.5	22.5	24	-	14	0.110
22 5M 9	22	6F	ST	35.01	33.87	39	-	14.5	22.5	25.5	-	14	0.118
24 5M 9	24	6F	ST	38.20	37.06	42	-	14.5	22.5	27	-	16	0.145
26 5M 9	26	6F	ST	41.38	40.24	44.	-	14.5	22.5	30	-	18	0.170
28 5M 9	28	6F	ST	44.56	43.42	48	-	14.5	22.5	30.5	-	18	0.200
30 5M 9	30	6F	ST	47.75	46.61	51	-	14.5	22.5	35	-	20	0.236
32 5M 9	32	6F	ST	50.93	49.79	54	-	14.5	22.5	38	8	22	0.270
36 5M 9	36	6F	ST	57.30	56.16	60	-	14.5	22.5	38	8	22	0.324
40 5M 9	40	6F	ST	63.66	62.52	71	-	14.5	22.5	38	8	22	0.400
44 5M 9	44	6W	AL	70.03	68.89	-	54	14.5	25.5	38	8	22	0.170
48 5M 9	48	6W	AL	76.39	75.25	-	61	14.5	25.5	45	8	25	0.182
60 5M 9	60	6W	AL	95.49	94.35	-	80	14.5	25.5	45	8	25	0.230
72 5M 9	72	6W	AL	114.59	113.45	-	100	14.5	25.5	45	8	25	0.270
5M - Pitch 5 mm for belt width 15 mm													
12 5M 15	12	6F	ST	19.10	17.96	23	-	20.5	20.5	13	-	7	0.034
14 5M 15	14	6F	ST	22.28	21.14	25	-	20.5	20.5	14	-	8	0.046
15 5M 15	15	6F	ST	23.87	22.73	28	-	20.5	20.5	16	-	10	0.056
16 5M 15	16	6F	ST	25.46	24.32	28	-	20.5	20.5	16.5	-	10	0.064
18 5M 15	18	6F	ST	28.65	27.51	32	-	20.5	20.5	20	-	12	0.086
20 5M 15	20	6F	ST	31.83	30.69	36	-	20.5	20.5	23	-	14	0.112
21 5M 15	21	6F	ST	33.42	32.28	38	-	20.5	20.5	24	-	14	0.130
22 5M 15	22	6F	ST	35.01	33.87	39	-	20.5	20.5	25.5	-	14	0.140
24 5M 15	24	6F	ST	38.20	37.06	42	-	20.5	20.5	27	-	16	0.180
26 5M 15	26	6F	ST	41.38	40.24	44	-	20.5	20.5	30	-	18	0.220
28 5M 15	28	6F	ST	44.56	43.42	48	-	20.5	20.5	30.5	-	18	0.250
30 5M 15	30	6F	ST	47.75	46.61	51	-	20.5	20.5	35	-	20	0.300
32 5M 15	32	6F	ST	50.93	49.79	54	-	20.5	20.5	38	8	22	0.350
36 5M 15	36	6F	ST	57.30	56.16	60	-	20.5	20.5	38	8	22	0.426
40 5M 15	40	6F	ST	63.66	62.52	71	-	20.5	20.5	38	8	22	0.520
44 5M 15	44	6W	AL	70.03	68.89	-	54	20.5	20.5	38	8	22	0.225
48 5M 15	48	6W	AL	76.39	75.25	-	61	20.5	20.5	38	8	25	0.187
60 5M 15	60	6W	AL	95.49	94.35	-	80	20.5	20.5	50	8	25	0.305
72 5M 15	72	6W	AL	114.59	113.45	-	100	20.5	20.5	50	8	25	0.375
5M - Pitch 5 mm for belt width 25 mm													
12 5M 25	12	6F	ST	19.10	17.96	23	-	30.5	36	12	-	7	0.050
14 5M 25	14	6F	ST	22.28	21.14	25	-	30.5	36	13	-	8	0.070
15 5M 25	15	6F	ST	23.87	22.73	28	-	30.5	36	16	-	10	0.080

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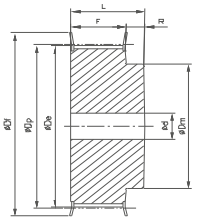
Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	D_i (mm)	F (mm)	L (mm)	D_m (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
16 5M 25	16	6F	ST	25.46	24.32	28	-	30.5	36	16.5	-	10	0.100
18 5M 25	18	6F	ST	28.65	27.51	32	-	30.5	36	20	-	12	0.120
20 5M 25	20	6F	ST	31.83	30.69	36	-	30.5	36	23	-	14	0.160
21 5M 25	21	6F	ST	33.42	32.28	38	-	30.5	38.5	24	-	14	0.190
22 5M 25	22	6F	ST	35.01	33.87	39	-	30.5	38.5	25.5	-	14	0.210
24 5M 25	24	6F	ST	38.20	37.06	42	-	30.5	38.5	27	-	16	0.250
26 5M 25	26	6F	ST	41.38	40.24	44	-	30.5	38.5	30	-	18	0.300
28 5M 25	28	6F	ST	44.56	43.42	48	-	30.5	38.5	30.5	-	18	0.350
30 5M 25	30	6F	ST	47.75	46.61	51	-	30.5	38.5	35	-	20	0.420
32 5M 25	32	6F	ST	50.93	49.79	54	-	30.5	38.5	38	8	22	0.480
36 5M 25	36	6F	ST	57.30	56.16	60	-	30.5	38.5	38	8	22	0.590
40 5M 25	40	6F	ST	63.66	62.52	71	-	30.5	38.5	38	8	22	0.740
44 5M 25	44	6W	AL	70.03	68.89	-	54	30.5	40	38	8	22	0.320
48 5M 25	48	6W	AL	76.39	75.25	-	61	30.5	40	45	8	25	0.275
60 5M 25	60	6W	AL	95.49	94.35	-	80	30.5	40	45	8	25	0.435
72 5M 25	72	6W	AL	114.59	113.45	-	100	30.5	40	45	8	25	0.525

AL = Aluminium ST = Steel GG = Cast iron **We reserve the right to make technical changes.** * Non stock items.

optibelt ZRS HTD Pulleys for Plain Boring
Profile 8M



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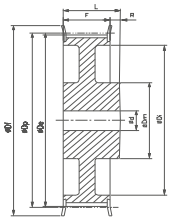

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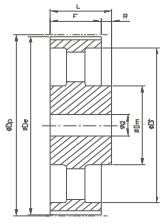

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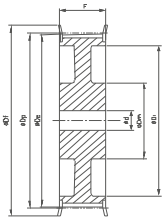

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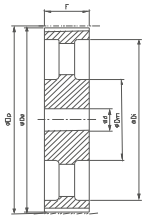


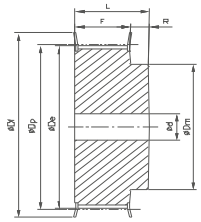
Ausf. 10A

Description	Number of teeth	Type	Material	D_P (mm)	D_e (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	D_i (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
8M - Pitch 8 mm for belt width 20 mm													
22 8M 20	22	6F	ST	56.02	54.65	60	28	38	43	-	12	30	0.540
24 8M 20	24	6F	ST	61.12	59.75	66	28	38	45	-	12	30	0.650
26 8M 20	26	6F	ST	66.21	64.84	70	28	38	48	-	12	35	0.800
28 8M 20	28	6F	ST	71.30	70.08	75	28	38	50	-	15	35	0.870
30 8M 20	30	6F	ST	76.39	75.13	83	28	38	55	-	15	35	1.000
32 8M 20	32	6F	ST	81.49	80.16	87	28	38	60	-	15	40	1.200
34 8M 20	34	6F	ST	86.58	85.22	91	28	38	70	-	15	45	1.400
36 8M 20	36	6F	ST	91.67	90.30	97	28	38	75	-	15	45	1.550
38 8M 20	38	6F	ST	96.77	95.39	102	28	38	75	-	15	45	1.650
40 8M 20	40	6F	ST	101.86	100.49	106	28	38	75	-	15	45	1.800
44 8M 20	44	6F	ST	112.05	110.67	120	28	38	75	-	15	45	2.100
48 8M 20	48	6F	ST	122.23	120.86	127	28	38	75	-	15	45	2.440
56 8M 20	56	6WF	ST	142.60	141.23	150	28	38	80	116	15	45	2.600
64 8M 20	64	6WF	ST	162.97	161.60	168	28	38	80	137	15	45	2.900
72 8M 20	72	6WF	ST	183.35	181.97	192	28	38	80	158	15	45	3.100
80 8M 20	80	6W	GG	203.72	202.35	-	28	38	90	180	15	50	3.800
90 8M 20	90	6A	GG	229.18	227.81	-	28	38	90	204	15	50	4.200
112 8M 20	112	6A	GG	285.21	283.83	-	28	38	90	254	18	50	5.200
144 8M 20	144	6A	GG	366.69	365.32	-	28	38	90	336	20	50	7.500
168 8M 20	168	6A	GG	427.81	426.44	-	28	38	100	400	20	55	10.000
192 8M 20	192	6A	GG	488.92	487.55	-	28	38	100	460	20	55	14.400
8M - Pitch 8 mm for belt width 30 mm													
22 8M 30	22	6F	ST	56.02	54.65	60	38	48	43	-	12	30	0.690
24 8M 30	24	6F	ST	61.12	59.75	66	38	48	45	-	12	30	0.840
26 8M 30	26	6F	ST	66.21	64.84	70	38	48	48	-	12	35	1.000
28 8M 30	28	6F	ST	71.30	70.08	75	38	48	50	-	15	35	1.120
30 8M 30	30	6F	ST	76.39	75.13	83	38	48	55	-	15	35	1.320
32 8M 30	32	6F	ST	81.49	80.16	87	38	48	60	-	15	40	1.500
34 8M 30	34	6F	ST	86.58	85.22	91	38	48	70	-	15	45	1.800
36 8M 30	36	6F	ST	91.67	90.30	97	38	48	75	-	15	45	1.990
38 8M 30	38	6F	ST	96.77	95.39	102	38	48	75	-	15	45	2.270
40 8M 30	40	6F	ST	101.86	100.49	106	38	48	75	-	15	45	2.400
44 8M 30	44	6F	ST	112.05	110.67	120	38	48	75	-	15	45	2.800
48 8M 30	48	6F	ST	122.23	120.86	128	38	48	75	-	15	45	3.200
56 8M 30	56	6WF	ST	142.60	141.23	150	38	48	90	116	15	50	3.600
64 8M 30	64	6WF	ST	162.97	161.60	168	38	48	90	137	15	50	4.300
72 8M 30	72	6WF	ST	183.35	181.97	192	38	48	95	158	15	50	4.800
80 8M 30	80	6W	GG	203.72	202.35	-	38	48	100	180	15	55	5.100
90 8M 30	90	6A	GG	229.18	227.81	-	38	48	100	204	15	55	5.700
112 8M 30	112	6A	GG	285.21	283.83	-	38	48	100	254	18	55	6.800
144 8M 30	144	6A	GG	366.69	365.32	-	38	48	100	336	20	55	9.300
168 8M 30	168	6A	GG	427.81	426.44	-	38	48	100	400	20	55	11.400
192 8M 30	192	6A	GG	488.92	487.55	-	38	48	100	460	20	55	16.000

Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	D_i (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
8M - Pitch 8 mm for belt width 50 mm													
22 8M 50	22	6F	ST	56.02	54.65	60	60	70	43	-	12	30	1.000
24 8M 50	24	6F	ST	61.12	59.75	66	60	70	45	-	12	30	1.200
26 8M 50	26	6F	ST	66.21	64.84	70	60	70	48	-	15	35	1.500
28 8M 50	28	6F	ST	71.30	70.08	75	60	70	50	-	15	35	1.670
30 8M 50	30	6F	ST	76.39	75.13	83	60	70	55	-	15	35	1.970
32 8M 50	32	6F	ST	81.49	80.16	87	60	70	60	-	15	40	2.270
34 8M 50	34	6F	ST	86.58	85.22	91	60	70	70	-	15	45	2.690
36 8M 50	36	6F	ST	91.67	90.30	97	60	70	75	-	15	45	2.970
38 8M 50	38	6F	ST	96.77	95.39	102	60	70	75	-	15	45	3.230
40 8M 50	40	6F	ST	101.86	100.49	106	60	70	75	-	18	45	3.500
44 8M 50	44	6F	ST	112.05	110.67	120	60	70	75	-	18	45	3.900
48 8M 50	48	6F	ST	122.23	120.86	128	60	70	75	-	18	45	4.300
56 8M 50	56	10WF	ST	142.60	141.23	150	60	60	80	116	18	50	5.000
64 8M 50	64	10WF	ST	162.97	161.60	168	60	60	80	137	18	55	5.600
72 8M 50	72	10WF	ST	183.35	181.97	192	60	60	80	158	18	55	6.800
80 8M 50	80	10W	GG	203.72	202.35	-	60	60	110	180	18	60	6.900
90 8M 50	90	10A	GG	229.18	227.81	-	60	60	110	204	18	60	8.600
112 8M 50	112	10A	GG	285.21	283.83	-	60	60	110	254	18	60	9.600
144 8M 50	144	10A	GG	366.69	365.32	-	60	60	110	336	20	60	13.800
168 8M 50	168	10A	GG	427.81	426.44	-	60	60	120	400	20	65	16.000
192 8M 50	192	10A	GG	488.92	487.55	-	60	60	130	460	20	70	22.400
8M - Pitch 8 mm for belt width 85 mm													
22 8M 85	22	6F	ST	56.02	54.65	60	95	105	43	-	12	30	1.550
24 8M 85	24	6F	ST	61.12	59.75	66	95	105	45	-	12	30	1.900
26 8M 85	26	6F	ST	66.21	64.84	70	95	105	50	-	15	35	2.250
28 8M 85	28	6F	ST	71.30	70.08	75	95	105	50	-	15	35	2.550
30 8M 85	30	6F	ST	76.39	75.13	83	95	105	55	-	15	35	3.000
32 8M 85	32	6F	ST	81.49	80.16	87	95	105	60	-	15	40	3.570
34 8M 85	34	6F	ST	86.58	85.22	91	95	105	70	-	15	45	4.000
36 8M 85	36	6F	ST	91.67	90.30	97	95	105	70	-	15	45	4.500
38 8M 85	38	6F	ST	96.77	95.39	102	95	105	75	-	15	45	4.900
40 8M 85	40	6F	ST	101.86	100.49	106	95	105	75	-	18	45	5.200
44 8M 85	44	6F	ST	112.05	110.67	120	95	105	75	-	18	45	6.600
48 8M 85	48	6F	ST	122.23	120.86	128	95	105	80	-	18	45	7.600
56 8M 85	56	6F	ST	142.60	141.23	150	95	105	80		18	50	9.800
64 8M 85	64	10WF	ST	162.97	161.60	168	95	95	100	137	20	55	10.400
72 8M 85	72	10WF	ST	183.35	181.97	192	95	95	110	158	20	60	11.400
80 8M 85	80	10W	GG	203.72	202.35	-	95	95	110	180	20	60	11.100
90 8M 85	90	10A	GG	229.18	227.81	-	95	95	110	204	20	60	13.200
112 8M 85	112	10A	GG	285.21	283.83	-	95	95	110	254	24	60	16.300
144 8M 85*	144	10A	GG	366.69	365.32	-	95	95	120	336	24	65	21.500
168 8M 85*	168	10A	GG	427.81	426.44	-	95	95	120	400	24	65	26.100
192 8M 85*	192	10A	GG	488.92	487.55	-	95	95	130	460	24	70	30.600

AL = Aluminium ST = Steel GG = Cast iron **We reserve the right to make technical changes.** * Non stock items.

optibelt ZRS HTD Pulleys for Plain Boring
Profile 14M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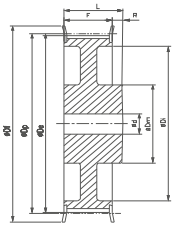
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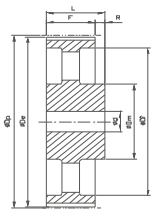
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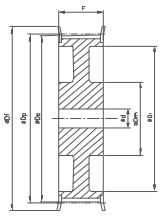
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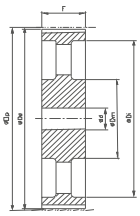
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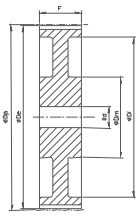
Ausf. 10W

Description	Number of teeth	Type	Material	D_P (mm)	D_e (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	D_i (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
14M - Pitch 14 mm for belt width 40 mm													
28 14M 40	28	6F	ST	124.78	122.12	128	54	69	100	-	24	60	4.730
29 14M 40	29	6F	ST	129.23	126.57	138	54	69	100	-	24	60	5.090
30 14M 40	30	6F	ST	133.69	130.99	138	54	69	100	-	24	60	5.450
32 14M 40	32	6F	ST	142.60	139.88	154	54	69	100	-	24	70	6.170
34 14M 40	34	6F	ST	151.52	148.79	160	54	69	100	-	24	70	6.880
36 14M 40	36	6F	ST	160.43	157.68	168	54	69	100	-	24	70	7.600
38 14M 40	38	6F	ST	169.34	166.60	183	54	69	120	-	24	70	8.280
40 14M 40	40	6F	ST	178.25	175.49	188	54	69	120	-	24	70	9.260
44 14M 40	44	6F	ST	196.08	193.28	211	54	69	120	-	24	70	10.320
48 14M 40	48	6WF	GG	213.90	211.11	226	54	69	135	170	24	70	11.500
56 14M 40	56	6WF	GG	249.55	246.76	256	54	69	135	207	28	70	13.050
64 14M 40	64	6WF	GG	285.21	282.41	296	54	69	135	240	28	70	14.400
72 14M 40	72	6A	GG	320.86	318.06	-	54	69	135	280	28	70	16.900
80 14M 40	80	6A	GG	356.51	353.71	-	54	69	135	314	28	70	18.500
90 14M 40	90	6A	GG	401.07	398.28	-	54	69	135	358	28	70	20.000
112 14M 40*	112	6A	GG	499.11	496.32	-	54	69	135	456	28	70	26.700
144 14M 40*	144	6A	GG	641.71	638.92	-	54	69	135	600	28	70	35.000
168 14M 40*	168	6A	GG	748.66	745.87	-	54	69	135	706	28	70	44.200
192 14M 40*	192	6A	GG	855.62	852.82	-	54	69	135	813	28	70	52.200
216 14M 40*	216	6A	GG	962.57	959.76	-	54	69	150	920	28	80	60.000
14M - Pitch 14 mm for belt width 55 mm													
28 14M 55	28	6F	ST	124.78	122.12	128	70	85	100	-	24	60	5.600
29 14M 55	29	6F	ST	129.23	126.57	138	70	85	100	-	24	60	6.100
30 14M 55	30	6F	ST	133.69	130.99	138	70	85	100	-	24	60	6.600
32 14M 55	32	6F	ST	142.60	139.88	154	70	85	100	-	24	70	7.600
34 14M 55	34	6F	ST	151.52	148.79	160	70	85	100	-	24	70	8.600
36 14M 55	36	6F	ST	160.43	157.68	168	70	85	100	-	24	70	9.600
38 14M 55	38	6F	ST	169.34	166.60	183	70	85	120	-	24	70	10.800
40 14M 55	40	6F	ST	178.25	175.49	188	70	85	120	-	24	70	11.200
44 14M 55	44	6F	ST	196.08	193.28	211	70	85	120	-	24	70	12.500
48 14M 55	48	10WF	GG	213.90	211.11	226	70	70	135	170	24	70	13.700
56 14M 55	56	10WF	GG	249.55	246.76	256	70	70	135	207	28	70	14.500
64 14M 55	64	10WF	GG	285.21	282.41	296	70	70	135	240	28	70	15.600
72 14M 55	72	10A	GG	320.86	318.06	-	70	70	135	280	28	70	18.500
80 14M 55	80	10A	GG	356.51	353.71	-	70	70	135	314	28	70	20.000
90 14M 55	90	10A	GG	401.07	398.28	-	70	70	135	358	28	70	22.600
112 14M 55*	112	10A	GG	499.11	496.32	-	70	70	135	456	28	70	29.500
144 14M 55*	144	10A	GG	641.71	638.92	-	70	70	135	600	28	70	39.000
168 14M 55*	168	10A	GG	748.66	745.87	-	70	70	135	706	28	70	48.500
192 14M 55*	192	10A	GG	855.62	852.82	-	70	70	135	813	28	70	57.800
216 14M 55*	216	10A	GG	962.57	959.76	-	70	70	150	920	28	80	67.000
14M - Pitch 14 mm for belt width 85 mm													
28 14M 85	28	6F	ST	124.78	122.12	128	102	202	100	-	24	60	7.700

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Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	D_i (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
29 14M 85	29	6F	ST	129.23	126.57	138	102	117	100	-	24	60	8.400
30 14M 85	30	6F	ST	133.69	130.99	138	102	117	100	-	24	60	9.100
32 14M 85	32	6F	ST	142.60	139.88	154	102	117	100	-	24	60	10.500
34 14M 85	34	6F	ST	151.52	148.79	160	102	117	100	-	24	70	11.900
36 14M 85	36	6F	ST	160.43	157.68	168	102	117	100	-	32	70	13.200
38 14M 85	38	6F	ST	169.34	166.60	183	102	117	120	-	32	70	15.150
40 14M 85	40	6F	ST	178.25	175.49	188	102	117	135	-	32	70	17.100
44 14M 85	44	6F	ST	196.08	193.28	211	102	117	135	-	32	70	23.300
48 14M 85	48	6F	ST	213.90	211.11	226	102	117	150	-	32	80	25.000
56 14M 85	56	10WF	GG	249.55	246.76	256	102	102	150	207	32	80	25.000
64 14M 85	64	10WF	GG	285.21	282.41	296	102	102	150	242	32	80	28.200
72 14M 85	72	10A	GG	320.86	318.06	-	102	102	150	278	32	80	28.800
80 14M 85	80	10A	GG	356.51	353.71	-	102	102	150	314	32	80	30.100
90 14M 85	90	10A	GG	401.07	398.28	-	102	102	150	358	32	80	33.000
112 14M 85*	112	10A	GG	499.11	496.32	-	102	102	150	456	32	80	41.800
144 14M 85*	144	10A	GG	641.71	638.92	-	102	102	150	600	32	80	52.400
168 14M 85*	168	10A	GG	748.66	745.87	-	102	102	150	706	32	80	60.300
192 14M 85*	192	10A	GG	855.62	852.82	-	102	102	165	813	32	90	70.200
216 14M 85*	216	10A	GG	962.57	959.76	-	102	102	160	920	32	90	81.000
14M - Pitch 14 mm for belt width 115 mm													
28 14M 115	28	6F	ST	124.78	122.12	128	133	148	100	-	32	60	9.200
29 14M 115	29	6F	ST	129.23	126.57	138	133	148	100	-	32	60	10.200
30 14M 115	30	6F	ST	133.69	130.99	138	133	148	100	-	32	60	11.200
32 14M 115	32	6F	ST	142.60	139.88	154	133	148	100	-	32	60	13.200
34 14M 115	34	6F	ST	151.52	148.79	160	133	148	100	-	32	70	14.800
36 14M 115	36	6F	ST	160.43	157.68	168	133	148	120	-	32	70	16.600
38 14M 115	38	6F	ST	169.34	166.60	183	133	148	120	-	32	70	19.200
40 14M 115	40	6F	ST	178.25	175.49	188	133	148	135	-	32	70	22.100
44 14M 115	44	6F	ST	196.08	193.28	211	133	148	140	-	32	80	28.000
48 14M 115	48	6F	ST	213.90	211.11	226	133	148	150	-	32	80	35.000
56 14M 115	56	6F	ST	249.55	246.76	256	133	148	150	-	32	80	44.200
64 14M 115	64	10WF	GG	285.21	282.41	296	133	133	150	240	32	80	36.800
72 14M 115	72	10A	GG	320.86	318.06	-	133	133	150	278	32	80	36.100
80 14M 115	80	10A	GG	356.51	353.71	-	133	133	150	314	32	80	38.600
90 14M 115	90	10A	GG	401.07	398.28	-	133	133	150	358	32	80	41.000
112 14M 115*	112	10A	GG	499.11	496.32	-	133	133	150	456	32	80	54.400
144 14M 115*	144	10A	GG	641.71	638.92	-	133	133	165	600	32	90	67.800
168 14M 115*	168	10A	GG	748.66	745.87	-	133	133	165	706	32	90	75.800
192 14M 115*	192	10A	GG	855.62	852.82	-	133	133	165	813	32	90	88.300
216 14M 115*	216	10A	GG	962.57	959.76	-	133	133	165	920	32	90	98.000
14M - Pitch 14 mm for belt width 170 mm													
28 14M 170*	28	6F	ST	124.78	122.12	128	187	202	100	-	32	60	13.800
29 14M 170*	29	6F	ST	129.23	126.57	138	187	202	100	-	32	60	14.200
30 14M 170*	30	6F	ST	133.69	130.99	138	187	202	100	-	32	60	15.600
32 14M 170*	32	6F	ST	142.60	139.88	154	187	202	100	-	32	60	18.100
34 14M 170*	34	6F	ST	151.52	148.79	160	187	202	100	-	32	60	20.400
36 14M 170*	36	6F	ST	160.43	157.68	168	187	202	100	-	32	70	23.500
38 14M 170*	38	6F	ST	169.34	166.60	183	187	202	120	-	32	70	26.500
40 14M 170*	40	6F	ST	178.25	175.49	188	187	202	135	-	32	85	30.100
44 14M 170*	44	6F	ST	196.08	193.28	211	187	202	140	-	32	85	37.800
48 14M 170*	48	6F	ST	213.90	211.11	226	187	202	150	-	32	85	44.500

optibelt ZRS HTD Pulleys for Plain Boring
Profile 14M

Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	D_i (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
56 14M 170*	56	6F	ST	249.55	246.76	256	187	202	150	-	32	85	61.000
64 14M 170*	64	10WF	GG	285.21	282.41	296	187	187	150	240	32	100	81.000
72 14M 170*	72	10A	GG	320.86	318.06	-	187	187	150	278	32	100	61.400
80 14M 170*	80	10A	GG	356.51	353.71	-	187	187	150	314	32	100	65.000
90 14M 170*	90	10A	GG	401.07	398.28	-	187	187	150	358	38	100	68.000
112 14M 170*	112	10A	GG	499.11	496.32	-	187	187	165	456	38	110	87.500
144 14M 170*	144	10A	GG	641.71	638.92	-	187	187	165	600	38	120	114.800
168 14M 170*	168	10A	GG	748.66	745.87	-	187	187	165	706	38	120	125.000
192 14M 170*	192	10A	GG	855.62	852.82	-	187	187	165	813	38	120	136.400
216 14M 170*	216	10A	GG	962.57	959.76	-	187	187	165	920	38	120	147.000

AL = Aluminium ST = Steel GG = Cast iron **We reserve the right to make technical changes.** * Non stock items.

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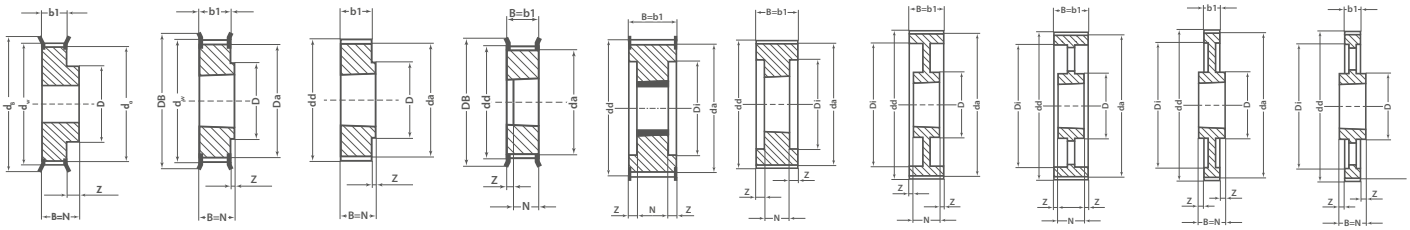

Type 1F | Type 2F | Type 2 | Type 3F | Type 6F | Type 6 | Type 7 | Type 8 | Type 9 | Type 10

Description	Number of teeth	Type	Material	d_d (mm)	d_a (mm)	D_B (mm)	b_1 (mm)	B (mm)	N (mm)	D (mm)	D_i (mm)	Z (mm)	Finished bore d_{max} (mm)	Taper bushing	Weight without bushing (≈kg)
8MDC															
8MDC 12 TB 25	25	2F	ST	63.66	62.06	70.0	20.0	22.0	22.0	49	-	-	28	1108	0.300
8MDC 12 TB 28	28	2F	ST	71.30	69.70	79.0	20.0	22.0	22.0	59	-	-	28	1108	0.400
8MDC 12 TB 30	30	2F	ST	76.39	74.79	86.0	20.0	25.0	25.0	66	-	-	32	1210	0.400
8MDC 12 TB 32	32	2F	ST	81.49	79.89	90.0	20.0	25.0	25.0	66	-	-	42	1610	0.400
8MDC 12 TB 34	34	2F	ST	86.58	84.98	95.0	20.0	25.0	25.0	70	-	-	42	1610	0.500
8MDC 12 TB 36	36	2F	ST	91.67	90.07	98.0	20.0	25.0	25.0	78	-	-	42	1610	0.600
8MDC 12 TB 38	38	2F	ST	96.77	95.17	106.0	20.0	25.0	25.0	80	-	-	42	1610	0.700
8MDC 12 TB 40	40	2F	ST	101.86	100.26	111.0	20.0	25.0	25.0	85	-	-	42	1610	0.900
8MDC 12 TB 45	45	2F	ST	114.59	112.99	119.0	20.0	32.0	32.0	92	-	-	50	2012	1.100
8MDC 12 TB 48	48	2F	ST	122.23	120.63	135.0	20.0	32.0	32.0	104	-	-	50	2012	1.500
8MDC 12 TB 50	50	2F	ST	127.32	125.72	135.0	20.0	32.0	32.0	104	-	-	50	2012	1.600
8MDC 12 TB 56	56	2F	ST	142.60	141.00	151.0	20.0	32.0	32.0	104	-	-	50	2012	2.100
8MDC 12 TB 60	60	2F	ST	152.79	151.19	159.0	20.0	32.0	32.0	111	-	-	50	2012	2.400
8MDC 12 TB 64	64	2F	ST	162.97	161.37	168.0	20.0	32.0	32.0	111	-	-	50	2012	2.700
8MDC 12 TB 75	75	2	GG	190.99	189.39	-	20.0	32.0	32.0	111	-	-	50	2012	4.600
8MDC 12 TB 80	80	2	GG	203.72	202.12	-	20.0	32.0	32.0	111	-	-	50	2012	5.100
8MDC 12 TB 90	90	2	GG	229.18	227.58	-	20.0	-	-	111	-	-	50	2012	6.400
8MDC 21 TB 25	25	3F	ST	63.66	62.06	70.0	30.0	30.0	22.0	-	-	8.0	28	1108	0.400
8MDC 21 TB 28	28	3F	ST	71.30	69.70	79.0	30.0	30.0	25.0	-	-	5.0	32	1210	0.400
8MDC 21 TB 30	30	3F	ST	76.39	74.79	86.0	30.0	30.0	25.0	-	-	5.0	32	1210	0.600
8MDC 21 TB 32	32	3F	ST	81.49	79.89	90.0	30.0	30.0	25.0	-	-	5.0	42	1610	0.500
8MDC 21 TB 34	34	3F	ST	86.58	84.98	91.0	30.0	30.0	25.0	-	-	5.0	42	1610	0.600
8MDC 21 TB 36	36	3F	ST	91.67	90.07	98.0	30.0	30.0	25.0	-	-	5.0	42	1610	0.700
8MDC 21 TB 38	38	3F	ST	96.77	95.17	106.0	30.0	30.0	25.0	-	-	5.0	42	1610	1.000
8MDC 21 TB 40	40	3F	ST	101.86	100.26	111.0	30.0	30.0	25.0	-	-	5.0	42	1610	1.100
8MDC 21 TB 45	45	2F	ST	114.59	112.99	119.0	30.0	32.0	32.0	92	-	-	50	2012	1.300
8MDC 21 TB 48	48	2F	ST	122.23	120.63	135.0	30.0	32.0	32.0	104	-	-	50	2012	1.600
8MDC 21 TB 50	50	2F	ST	127.32	125.72	135.0	30.0	32.0	32.0	104	-	-	50	2012	1.900
8MDC 21 TB 56	56	2F	ST	142.60	141.00	151.0	30.0	32.0	32.0	111	-	-	50	2012	2.400
8MDC 21 TB 60	60	2F	ST	152.79	151.19	159.0	30.0	45.0	45.0	124	-	-	60	2517	3.200
8MDC 21 TB 64	64	2F	ST	162.97	161.37	168.0	30.0	45.0	45.0	124	-	-	60	2517	3.800
8MDC 21 TB 75	75	2	GG	190.99	189.39	-	30.0	45.0	45.0	124	-	-	60	2517	6.800
8MDC 21 TB 80	80	2	GG	203.72	202.12	-	30.0	45.0	45.0	124	-	-	60	2517	7.600
8MDC 21 TB 90	90	9	GG	229.18	227.58	-	30.0	45.0	45.0	124	198	7.5	60	2517	8.600
8MDC 21 TB 112	112	9	GG	285.21	283.61	-	30.0	45.0	45.0	124	253	7.5	60	2517	12.500
8MDC 21 TB 140	140	10	GG	356.51	354.91	-	30.0	51.0	51.0	150	324	10.5	75	3020	12.800
8MDC 36 TB 28	28	3F	ST	71.30	69.70	79.0	45.0	45.0	25.0	-	-	20.0	32	1210	0.700
8MDC 36 TB 30	30	3F	ST	76.39	74.79	86.0	45.0	45.0	25.0	-	-	20.0	42	1610	0.600
8MDC 36 TB 32	32	3F	ST	81.89	79.89	90.0	45.0	45.0	25.0	-	-	20.0	42	1610	0.800
8MDC 36 TB 34	34	3F	ST	86.58	84.98	95.0	45.0	45.0	25.0	-	-	20.0	42	1610	1.000
8MDC 36 TB 36	36	3F	ST	91.67	90.07	98.0	45.0	45.0	25.0	-	-	20.0	42	1610	1.200
8MDC 36 TB 38	38	3F	ST	96.77	95.17	106.0	45.0	45.0	25.0	-	-	20.0	42	1610	1.400
8MDC 36 TB 40	40	3F	ST	101.86	100.26	111.0	45.0	45.0	32.0	-	-	13.0	50	2012	1.400

optibelt ZRS DELTA CHAIN Pulleys for Taper Bushings
Profile 8MDC

Description	Number of teeth	Type	Material	d_d (mm)	d_a (mm)	D_B (mm)	b_1 (mm)	B (mm)	N (mm)	D (mm)	D_i (mm)	Z (mm)	Finished bore d_{max} (mm)	Taper bushing	Weight without bushing (≈kg)
8MDC 36 TB 45	45	3F	ST	114.59	112.99	120.0	45.0	45.0	32.0	-	-	13.0	50	2012	1.900
8MDC 36 TB 48	48	3F	ST	122.23	120.63	128.0	45.0	45.0	32.0	-	-	13.0	50	2012	2.200
8MDC 36 TB 50	50	3F	ST	127.32	125.72	128.0	45.0	45.0	32.0	-	-	13.0	50	2012	2.700
8MDC 36 TB 56	56	3F	ST	142.60	141.00	150.0	45.0	45.0	45.0	-	-	-	60	2517	3.000
8MDC 36 TB 60	60	3F	ST	152.79	151.19	158.0	45.0	45.0	45.0	-	-	-	60	2517	3.800
8MDC 36 TB 64	64	3F	ST	162.97	161.37	168.0	45.0	45.0	45.0	-	-	-	60	2517	4.500
8MDC 36 TB 75	75	2	GG	190.99	189.39	-	45.0	51.0	51.0	150	-	-	75	3020	8.700
8MDC 36 TB 80	80	2	GG	203.72	202.12	-	45.0	51.0	51.0	150	-	-	75	3020	10.000
8MDC 36 TB 90	90	9	GG	229.18	227.58	-	45.0	51.0	51.0	150	197	3.0	75	3020	10.400
8MDC 36 TB 112	112	9	GG	285.21	283.61	-	45.0	51.0	51.0	150	253	3.0	75	3020	14.000
8MDC 36 TB 140	140	10	GG	356.51	354.91	-	45.0	51.0	51.0	150	324	3.0	75	3020	12.000
8MDC 36 TB 168	168	10	GG	427.81	426.21	-	45.0	65.0	65.0	198	396	10.0	100	3525	23.900
8MDC 36 TB 192	192	10	GG	488.92	487.32	-	45.0	65.0	65.0	198	457	10.0	100	3525	26.600
8MDC 62 TB 40	40	3F	ST	101.86	100.26	106.0	72.0	72.0	32.0	-	-	40.0	50	2012	2.100
8MDC 62 TB 45	45	3F	ST	114.59	112.99	120.0	72.0	72.0	32.0	-	-	40.0	50	2012	3.300
8MDC 62 TB 48	48	3F	ST	122.23	120.63	128.0	72.0	72.0	45.0	-	-	27.0	60	2517	3.900
8MDC 62 TB 50	50	3F	ST	127.32	125.72	135.0	72.0	72.0	45.0	-	-	27.0	60	2517	4.700
8MDC 62 TB 56	56	6F	ST	142.60	141.00	149.0	72.0	45.0	45.0	-	111	13.5	60	2517	5.500
8MDC 62 TB 60	60	6F	ST	152.79	151.19	157.0	72.0	45.0	45.0	-	121	13.5	60	2517	6.400
8MDC 62 TB 64	64	6F	ST	162.97	161.37	168.0	72.0	45.0	45.0	-	131	13.5	60	2517	7.200
8MDC 62 TB 75	75	6	GG	190.99	189.39	-	72.0	72.0	51.0	-	159	10.5	75	3020	10.000
8MDC 62 TB 80	80	6	GG	203.72	202.12	-	72.0	72.0	51.0	-	172	10.5	45	3020	11.500
8MDC 62 TB 90	90	6	GG	229.18	227.58	-	72.0	72.0	51.0	-	197	10.5	75	3020	15.000
8MDC 62 TB 112	112	7	GG	285.21	283.61	-	72.0	72.0	51.0	150	253	10.5	75	3020	15.000
8MDC 62 TB 140	140	7	GG	356.51	354.91	-	72.0	72.0	65.0	198	324	3.5	100	3525	24.800
8MDC 62 TB 168	168	8	GG	427.81	426.21	-	72.0	72.0	65.0	198	396	3.5	100	3525	28.400
8MDC 62 TB 192	192	8	GG	488.92	487.32	-	72.0	72.0	65.0	198	457	3.5	100	3525	32.200

Taper bushing	1008	1108	1210	1610	2012	2517	3020	3525
Bore d_2 (mm) from... to...	10-25	10-28	11-32	14-42	14-50	16-65	25-75	35-90

GG = Cast iron ST = Steel **We reserve the right to make technical changes.** * Non stock items. Profile 14MDC on request
Bore diameters d_2 see page 4.

optibelt ZRS DELTA CHAIN Pulleys for Plain Boring
Profile 8MDC

Description	Number of teeth	Type	Material	d_d (mm)	d_a (mm)	D_B (mm)	b_1 (mm)	B (mm)	N (mm)	D (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
8MDC													
8MDC 12 22	22	1F	ST	56.02	54.42	60.0	20.0	30.0	30.0	43	12	28	0.500
8MDC 21 22	22	1F	ST	56.02	54.42	60.0	30.0	40.0	40.0	43	12	28	0.600
8MDC 36 25	25	1F	ST	63.66	62.06	70.0	45.0	55.0	55.0	49	12	32	1.100
8MDC 62 30	30	1F	ST	76.39	74.79	86.0	72.0	84.0	84.0	65	15	42	2.500
8MDC 62 32	32	1F	ST	81.49	79.89	90.0	72.0	84.0	84.0	69	15	50	2.800
8MDC 62 34	34	1F	ST	86.58	84.98	95.0	72.0	84.0	84.0	74	15	55	3.000
8MDC 62 36	36	1F	ST	91.67	90.07	98.0	72.0	84.0	84.0	77	15	60	3.400
8MDC 62 38	38	1F	ST	96.77	95.17	106.0	72.0	84.0	84.0	84	15	60	3.800

GG = Cast iron ST = Steel **We reserve the right to make technical changes.** * Non stock items. Profile 14MDC on request

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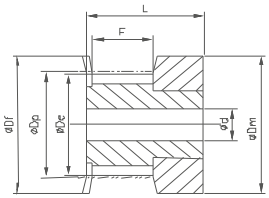

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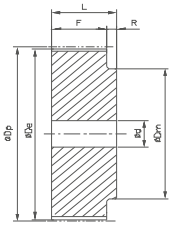
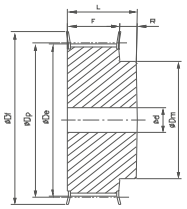


Ausf. 6

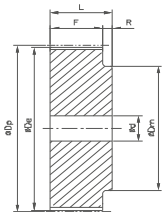


Ausf. 6F

Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
T2.5 - Pitch 2.5 mm for belt width 4 and 6 mm												
16 T2.5 / 12-2	12	1F	AL	9.55	9.00	13	9	16	13	-	3	0.003
16 T2.5 / 14-2	14	1F	AL	11.14	10.60	15	9	16	15	-	4	0.004
16 T2.5 / 15-2	15	1F	AL	11.94	11.40	15	9	16	15	-	4	0.005
16 T2.5 / 16-2	16	1F	AL	12.73	12.20	16	9	16	16	-	5	0.005
16 T2.5 / 18-2	18	6F	AL	14.32	13.80	17.5	10	16	10	-	6	0.006
16 T2.5 / 19-2	19	6F	AL	15.12	14.60	20	10	16	10	-	6	0.007
16 T2.5 / 20-2	20	6F	AL	15.92	15.40	20	10	16	10	-	6	0.008
16 T2.5 / 22-2	22	6F	AL	17.51	17.00	22	10	16	10	-	6	0.009
16 T2.5 / 24-2	24	6F	AL	19.10	18.50	22	10	16	11	-	6	0.012
16 T2.5 / 25-2	25	6F	AL	19.90	19.35	25	10	16	12	-	8	0.013
16 T2.5 / 26-2	26	6F	AL	20.70	20.15	26	10	16	13	-	8	0.014
16 T2.5 / 28-2	28	6F	AL	22.28	21.75	26	10	16	14	-	8	0.016
16 T2.5 / 30-2	30	6F	AL	23.87	23.35	28	10	16	14	-	10	0.018
16 T2.5 / 32-2	32	6F	AL	25.47	24.95	32	10	16	16	-	10	0.020
16 T2.5 / 36-2	36	6F	AL	28.65	28.10	36	10	16	16	-	12	0.026
16 T2.5 / 40-2	40	6F	AL	31.83	31.30	38	10	16	20	-	12	0.032
16 T2.5 / 44-2	44	6F	AL	35.02	34.50	42	10	16	24	-	14	0.040
16 T2.5 / 48-0	48	6	AL	38.20	37.70	-	10	16	26	-	15	0.048
16 T2.5 / 60-0	60	6	AL	47.75	47.25	-	10	16	34	8	18	0.073

AL = Aluminium **We reserve the right to make technical changes.**

optibelt ZRS Metric Timing Belt Pulleys for Plain Boring
Profile T5



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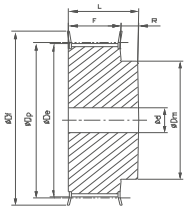

Ausf. 6F

Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
T5 - Pitch 5 mm for belt width 10 mm												
21 T5 / 10-2	10	6F	AL	15.92	15.05	19.5	15	21	8	-	5	0.012
21 T5 / 12-2	12	6F	AL	19.10	18.25	23	15	21	11	-	6	0.016
21 T5 / 14-2	14	6F	AL	22.29	21.45	25	15	21	13	-	8	0.019
21 T5 / 15-2	15	6F	AL	23.88	23.05	28	15	21	16	-	10	0.021
21 T5 / 16-2	16	6F	AL	25.47	24.60	32	15	21	18	-	11	0.025
21 T5 / 18-2	18	6F	AL	28.65	27.80	32	15	21	20	-	12	0.031
21 T5 / 19-2	19	6F	AL	30.25	29.40	36	15	21	20	-	12	0.036
21 T5 / 20-2	20	6F	AL	31.83	31.00	36	15	21	22	-	14	0.038
21 T5 / 22-2	22	6F	AL	35.12	34.25	38	15	21	23	-	15	0.046
21 T5 / 24-2	24	6F	AL	38.21	37.40	42	15	21	24	-	15	0.054
21 T5 / 25-2	25	6F	AL	39.80	39.00	44	15	21	26	-	15	0.058
21 T5 / 26-2	26	6F	AL	41.39	40.60	44	15	21	26	-	16	0.062
21 T5 / 27-2	27	6F	AL	42.98	42.20	48	15	21	30	8	18	0.064
21 T5 / 28-2	28	6F	AL	44.58	43.75	48	15	21	32	8	18	0.071
21 T5 / 30-2	30	6F	AL	47.76	46.95	51	15	21	34	8	18	0.075
21 T5 / 32-2	32	6F	AL	50.94	50.10	54	15	21	38	8	22	0.088
21 T5 / 36-2	36	6F	AL	57.31	56.45	64	15	21	38	8	22	0.114
21 T5 / 40-2	40	6F	AL	63.66	62.85	66.5	15	21	40	8	23	0.138
21 T5 / 42-2	42	6F	AL	66.87	66.00	70	15	21	40	8	24	0.180
21 T5 / 44-0	44	6	AL	70.07	69.20	-	15	21	45	8	26	0.185
21 T5 / 48-0	48	6	AL	76.42	75.55	-	15	21	50	8	28	0.200
21 T5 / 60-0	60	6	AL	95.52	94.65	-	15	21	65	8	35	0.307
T5 - Pitch 5 mm for belt width 16 mm												
27 T5 / 10-2	10	6F	AL	15.92	15.05	19.5	21	27	8	-	5	0.016
27 T5 / 12-2	12	6F	AL	19.01	18.25	23	21	27	11	-	6	0.022
27 T5 / 14-2	14	6F	AL	22.29	21.45	25	21	27	13	-	8	0.026
27 T5 / 15-2	15	6F	AL	23.88	23.05	28	21	27	16	-	10	0.029
27 T5 / 16-2	16	6F	AL	25.47	24.60	32	21	27	18	-	11	0.035
27 T5 / 18-2	18	6F	AL	28.65	27.80	32	21	27	20	-	12	0.043
27 T5 / 19-2	19	6F	AL	30.25	29.40	36	21	27	20	-	12	0.049
27 T5 / 20-2	20	6F	AL	31.83	31.00	36	21	27	22	-	14	0.053
27 T5 / 22-2	22	6F	AL	35.12	34.25	38	21	27	23	-	15	0.054
27 T5 / 24-2	24	6F	AL	38.21	37.40	42	21	27	24	-	15	0.076
27 T5 / 25-2	25	6F	AL	39.80	39.00	44	21	27	26	-	15	0.081
27 T5 / 26-2	26	6F	AL	41.47	40.60	44	21	27	26	-	16	0.085
27 T5 / 27-2	27	6F	AL	42.98	42.20	48	21	27	30	8	18	0.090
27 T5 / 28-2	28	6F	AL	44.62	43.75	48	21	27	32	8	18	0.092
27 T5 / 30-2	30	6F	AL	47.76	46.95	51	21	27	34	8	18	0.105
27 T5 / 32-2	32	6F	AL	50.94	50.10	54	21	27	38	8	22	0.123
27 T5 / 36-2	36	6F	AL	57.31	56.45	64	21	27	38	8	22	0.160
27 T5 / 40-2	40	6F	AL	63.66	62.85	66.5	21	27	40	8	23	0.193
27 T5 / 42-2	42	6F	AL	66.87	66.00	70	21	27	40	8	24	0.205
27 T5 / 44-0	44	6	AL	70.07	69.20	-	21	27	45	8	26	0.228

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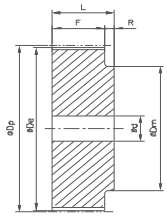
Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
27 T5 / 48-0	48	6	AL	76.42	75.55	-	21	27	50	8	28	0.280
27 T5 / 60-0	60	6	AL	95.52	94.65	-	21	27	65	8	35	0.430
T5 - Pitch 5 mm for belt width 25 mm												
36 T5 / 10-2	10	6F	AL	15.92	15.05	19.5	30	36	8	-	5	0.023
36 T5 / 12-2	12	6F	AL	19.01	18.25	23	30	36	11	-	6	0.031
36 T5 / 14-2	14	6F	AL	22.29	21.45	25	30	36	13	-	8	0.037
36 T5 / 15-2	15	6F	AL	23.88	23.05	28	30	36	16	-	10	0.041
36 T5 / 16-2	16	6F	AL	25.47	24.60	32	30	36	18	-	11	0.050
36 T5 / 18-2	18	6F	AL	28.65	27.80	32	30	36	10	-	12	0.061
36 T5 / 19-2	19	6F	AL	30.25	29.40	36	30	36	20	-	12	0.070
36 T5 / 20-2	20	6F	AL	31.83	31.00	36	30	36	22	-	14	0.076
36 T5 / 22-2	22	6F	AL	35.12	34.25	38	30	36	23	-	15	0.080
36 T5 / 24-2	24	6F	AL	38.21	37.40	42	30	36	24	8	15	0.109
36 T5 / 25-2	25	6F	AL	39.80	39.00	44	30	36	26	8	15	0.116
36 T5 / 26-2	26	6F	AL	41.47	40.60	44	30	36	26	8	16	0.120
36 T5 / 27-2	27	6F	AL	42.98	42.20	48	30	36	30	8	18	0.128
36 T5 / 28-2	28	6F	AL	44.62	43.75	48	30	36	32	8	18	0.135
36 T5 / 30-2	30	6F	AL	47.76	46.95	51	30	36	34	8	18	0.150
36 T5 / 32-2	32	6F	AL	50.94	50.10	54	30	36	38	8	22	0.176
36 T5 / 36-2	36	6F	AL	57.31	56.45	64	30	36	38	8	22	0.230
36 T5 / 40-2	40	6F	AL	63.66	62.85	66.5	30	36	40	8	23	0.273
36 T5 / 42-2	42	6F	AL	66.87	66.00	70	30	36	40	8	24	0.284
36 T5 / 44-0	44	6	AL	70.07	69.20	-	30	36	45	8	26	0.315
36 T5 / 48-0	48	6	AL	76.42	75.55	-	30	36	50	8	28	0.400
36 T5 / 60-0	60	6	AL	95.52	94.65	-	30	36	65	8	35	0.614

AL = Aluminium **We reserve the right to make technical changes.**



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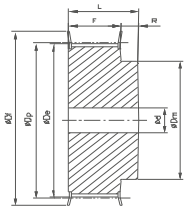

Ausf. 6F

Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
T10 - Pitch 10 mm for belt width 16 mm												
31 T10 / 12-2	12	6F	AL	38.20	36.35	42	21	31	28	6	16	0.076
31 T10 / 14-2	14	6F	AL	44.56	42.70	48	21	31	32	8	18	0.104
31 T10 / 15-2	15	6F	AL	47.75	45.90	51	21	31	32	8	18	0.116
31 T10 / 16-2	16	6F	AL	50.93	49.10	54	21	31	35	8	20	0.134
31 T10 / 18-2	18	6F	AL	57.29	55.45	60	21	31	40	8	22	0.167
31 T10 / 19-2	19	6F	AL	60.48	58.60	66.5	21	31	44	8	22	0.184
31 T10 / 20-2	20	6F	AL	63.66	61.80	66.5	21	31	46	8	24	0.208
31 T10 / 22-2	22	6F	AL	70.03	68.20	75	21	31	52	8	28	0.253
31 T10 / 24-2	24	6F	AL	76.39	74.55	83	21	31	58	8	30	0.288
31 T10 / 25-2	25	6F	AL	79.58	77.70	83	21	31	60	8	30	0.310
31 T10 / 26-2	26	6F	AL	82.76	80.90	87	21	31	60	8	30	0.357
31 T10 / 27-2	27	6F	AL	85.95	84.10	91	21	31	60	8	30	0.364
31 T10 / 28-2	28	6F	AL	89.12	87.25	93	21	31	60	8	30	0.401
31 T10 / 30-2	30	6F	AL	95.49	93.65	97	21	31	60	8	30	0.441
31 T10 / 32-2	32	6F	AL	101.86	100.00	106	21	31	65	10	32	0.493
31 T10 / 36-2	36	6F	AL	114.59	112.75	119	21	31	70	10	35	0.623
31 T10 / 40-2	40	6F	AL	127.32	125.45	131	21	31	80	10	40	0.767
31 T10 / 44-0	44	6	AL	140.05	138.20	-	21	31	88	10	46	0.993
31 T10 / 48-0	48	6	AL	152.78	150.95	-	21	31	95	16	48	1.090
31 T10 / 60-0	60	6	AL	190.98	189.10	-	21	31	110	16	60	1.710
T10 - Pitch 10 mm for belt width 25 mm												
40 T10 / 12-2	12	6F	AL	38.20	36.35	42	30	40	28	6	16	0.099
40 T10 / 14-2	14	6F	AL	44.56	42.70	48	30	40	32	8	18	0.134
40 T10 / 15-2	15	6F	AL	47.75	45.90	51	30	40	32	8	18	0.152
40 T10 / 16-2	16	6F	AL	50.93	49.10	54	30	40	35	8	20	0.176
40 T10 / 18-2	18	6F	AL	57.29	55.45	60	30	40	40	8	22	0.224
40 T10 / 19-2	19	6F	AL	60.48	58.65	66.5	30	40	44	8	22	0.247
40 T10 / 20-2	20	6F	AL	63.66	61.80	66.5	30	40	46	8	24	0.276
40 T10 / 22-2	22	6F	AL	70.03	68.20	75	30	40	52	8	28	0.337
40 T10 / 24-2	24	6F	AL	76.39	74.55	83	30	40	58	8	30	0.392
40 T10 / 25-2	25	6F	AL	79.58	77.75	83	30	40	60	8	30	0.422
40 T10 / 26-2	26	6F	AL	82.76	80.90	87	30	40	60	8	30	0.477
40 T10 / 27-2	27	6F	AL	85.95	84.10	91	30	40	60	8	30	0.536
40 T10 / 28-2	28	6F	AL	89.12	87.25	93	30	40	60	8	30	0.540
40 T10 / 30-2	30	6F	AL	95.49	93.65	97	30	40	60	8	30	0.640
40 T10 / 32-2	32	6F	AL	101.86	100.00	106	30	40	65	10	32	0.693
40 T10 / 36-2	36	6F	AL	114.59	112.75	119	30	40	70	10	35	0.873
40 T10 / 40-2	40	6F	AL	127.32	125.45	131	30	40	80	10	40	1.067
40 T10 / 44-0	44	6	AL	140.05	138.20	-	30	40	88	10	46	1.350
40 T10 / 48-0	48	6	AL	152.78	150.95	-	30	40	95	16	48	1.516
40 T10 / 60-0	60	6	AL	190.98	189.10	-	30	40	110	16	60	2.339
T10 - Pitch 10 mm for belt width 32 mm												
47 T10 / 18-2	18	6F	AL	57.29	55.45	60	37	47	40	10	22	0.253

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Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	L (mm)	D (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
47 T10 / 19-2	19	6F	AL	60.48	58.65	66.5	37	47	44	10	22	0.286
47 T10 / 20-2	20	6F	AL	63.66	61.80	66.5	37	47	46	12	24	0.322
47 T10 / 22-2	22	6F	AL	70.03	68.20	75	37	47	52	12	28	0.393
47 T10 / 24-2	24	6F	AL	76.39	74.55	83	37	47	58	12	30	0.475
47 T10 / 25-2	25	6F	AL	79.58	77.75	83	37	47	60	12	30	0.527
47 T10 / 26-2	26	6F	AL	82.76	80.90	87	37	47	60	12	30	0.564
47 T10 / 27-2	27	6F	AL	85.95	84.10	91	37	47	60	12	30	0.602
47 T10 / 28-2	28	6F	AL	89.12	87.25	93	37	47	60	12	30	0.642
47 T10 / 30-2	30	6F	AL	95.49	93.65	97	37	47	60	12	30	0.740
47 T10 / 32-2	32	6F	AL	101.86	100.00	106	37	47	65	12	32	0.844
47 T10 / 36-2	36	6F	AL	114.59	112.75	119	37	47	70	16	35	1.083
47 T10 / 40-2	40	6F	AL	127.32	125.45	131	37	47	80	16	40	1.317
47 T10 / 44-0	44	6	AL	140.05	138.20	-	37	47	88	16	46	1.611
47 T10 / 48-0	48	6	AL	152.78	150.95	-	37	47	95	16	48	1.931
47 T10 / 60-0	60	6	AL	190.98	189.10	-	37	47	110	16	60	3.004
T10 - Pitch 10 mm for belt width 50 mm												
66 T10 / 18-2	18	6F	AL	57.29	55.45	60	56	66	40	10	22	0.422
66 T10 / 19-2	19	6F	AL	60.48	58.60	66.5	56	66	44	10	22	0.466
66 T10 / 20-2	20	6F	AL	63.66	61.80	66.5	56	66	46	12	24	0.520
66 T10 / 22-2	22	6F	AL	70.03	68.20	75	56	66	52	12	28	0.570
66 T10 / 24-2	24	6F	AL	76.39	74.55	83	56	66	58	12	30	0.736
66 T10 / 25-2	25	6F	AL	79.58	77.75	83	56	66	60	12	30	0.766
66 T10 / 26-2	26	6F	AL	82.76	80.90	87	56	66	60	12	30	0.816
66 T10 / 27-2	27	6F	AL	85.95	84.10	91	56	66	60	12	30	0.946
66 T10 / 28-2	28	6F	AL	89.12	87.25	93	56	66	60	12	30	0.960
66 T10 / 30-2	30	6F	AL	95.49	93.65	97	56	66	60	12	30	1.169
66 T10 / 32-2	32	6F	AL	101.86	100.00	106	56	66	65	12	32	1.300
66 T10 / 36-2	36	6F	AL	114.59	112.75	119	56	66	70	16	35	1.637
66 T10 / 40-2	40	6F	AL	127.32	125.45	131	56	66	80	16	40	1.999
66 T10 / 44-0	44	6	AL	140.05	138.20	-	56	66	88	16	46	2.357
66 T10 / 48-0	48	6	AL	152.78	150.95	-	56	66	95	16	48	2.830
66 T10 / 60-0	60	6	AL	190.98	189.10	-	56		110	16	60	4.366

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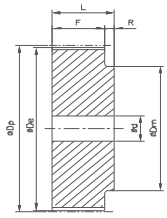

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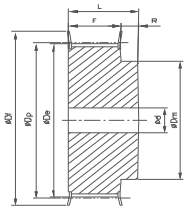

Ausf. 6F

Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
AT5 - Pitch 5 mm for belt width 10 mm												
21 AT5 / 12-2	12	6F	AL	19.01	17.85	23	15	21	11	-	6	0.016
21 AT5 / 14-2	14	6F	AL	22.29	21.05	25	15	21	13	-	8	0.019
21 AT5 / 15-2	15	6F	AL	23.88	22.65	28	15	21	16	-	10	0.021
21 AT5 / 16-2	16	6F	AL	25.47	24.20	32	15	21	18	-	11	0.025
21 AT5 / 18-2	18	6F	AL	28.65	27.40	32	15	21	20	-	12	0.031
21 AT5 / 19-2	19	6F	AL	30.25	29.00	36	15	21	22	-	12	0.036
21 AT5 / 20-2	20	6F	AL	31.83	30.60	36	15	21	23	-	14	0.038
21 AT5 / 22-2	22	6F	AL	35.12	33.85	38	15	21	24	-	15	0.046
21 AT5 / 24-2	24	6F	AL	38.21	37.00	42	15	21	26	-	15	0.054
21 AT5 / 25-2	25	6F	AL	39.80	38.60	44	15	21	26	-	15	0.058
21 AT5 / 26-2	26	6F	AL	41.47	40.20	44	15	21	26	-	16	0.062
21 AT5 / 27-2	27	6F	AL	42.98	41.80	48	15	21	30	8	18	0.064
21 AT5 / 28-2	28	6F	AL	44.62	43.35	48	15	21	32	8	18	0.071
21 AT5 / 30-2	30	6F	AL	47.76	46.55	51	15	21	34	8	18	0.075
21 AT5 / 32-2	32	6F	AL	50.94	49.70	54	15	21	36	8	22	0.088
21 AT5 / 36-2	36	6F	AL	57.31	56.05	64	15	21	38	8	22	0.114
21 AT5 / 40-2	40	6F	AL	63.66	62.45	66.5	15	21	40	8	23	0.138
21 AT5 / 42-2	42	6F	AL	66.87	65.60	70	15	21	40	8	24	0.180
21 AT5 / 44-0	44	6	AL	70.07	68.80	-	15	21	45	8	26	0.185
21 AT5 / 48-0	48	6	AL	76.42	75.15	-	15	21	50	8	28	0.200
21 AT5 / 60-0	60	6	AL	95.52	94.25	-	15	21	65	8	35	0.307
AT5 - Pitch 5 mm for belt width 16 mm												
27 AT5 / 12-2	12	6F	AL	19.01	17.85	23	21	27	11	-	6	0.022
27 AT5 / 14-2	14	6F	AL	22.29	21.05	25	21	27	13	-	8	0.026
27 AT5 / 15-2	15	6F	AL	23.88	22.65	28	21	27	16	-	10	0.029
27 AT5 / 16-2	16	6F	AL	25.47	24.20	32	21	27	18	-	11	0.035
27 AT5 / 18-2	18	6F	AL	28.65	27.40	32	21	27	20	-	12	0.043
27 AT5 / 19-2	19	6F	AL	30.25	29.00	36	21	27	22	-	12	0.049
27 AT5 / 20-2	20	6F	AL	31.83	30.60	36	21	27	23	-	14	0.053
27 AT5 / 22-2	22	6F	AL	35.12	33.85	38	21	27	24	-	15	0.054
27 AT5 / 24-2	24	6F	AL	38.21	37.00	42	21	27	26	-	15	0.076
27 AT5 / 25-2	25	6F	AL	39.80	38.60	44	21	27	26	-	15	0.081
27 AT5 / 26-2	26	6F	AL	41.47	40.20	44	21	27	26	-	16	0.085
27 AT5 / 27-2	27	6F	AL	42.98	41.80	48	21	27	30	8	18	0.090
27 AT5 / 28-2	28	6F	AL	44.62	43.35	48	21	27	32	8	18	0.092
27 AT5 / 30-2	30	6F	AL	47.76	46.55	51	21	27	34	8	18	0.105
27 AT5 / 32-2	32	6F	AL	50.94	49.70	54	21	27	36	8	22	0.123
27 AT5 / 36-2	36	6F	AL	57.31	56.05	64	21	27	38	8	22	0.160
27 AT5 / 40-2	40	6F	AL	63.66	62.45	66.5	21	27	40	8	23	0.193
27 AT5 / 42-2	42	6F	AL	66.87	65.60	70	21	27	40	8	24	0.205
27 AT5 / 44-0	44	6	AL	70.07	68.80	-	21	27	45	8	26	0.228
27 AT5 / 48-0	48	6	AL	76.42	75.15	-	21	27	50	8	28	0.280
27 AT5 / 60-0	60	6	AL	95.52	94.25	-	21	27	65	8	35	0.430

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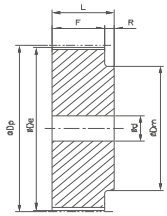
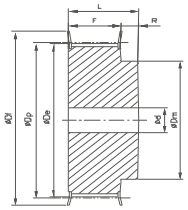
Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
AT5 - Pitch 5 mm for belt width 25 mm												
36 AT5 / 12-2	12	6F	AL	19.01	17.85	23	30	36	11	-	6	0.031
36 AT5 / 14-2	14	6F	AL	22.29	21.05	25	30	36	13	-	8	0.037
36 AT5 / 15-2	15	6F	AL	23.88	22.65	28	30	36	16	-	10	0.041
36 AT5 / 16-2	16	6F	AL	25.47	24.20	32	30	36	18	-	11	0.050
36 AT5 / 18-2	18	6F	AL	28.65	27.40	32	30	36	20	-	12	0.061
36 AT5 / 19-2	19	6F	AL	30.25	29.00	36	30	36	22	-	12	0.070
36 AT5 / 20-2	20	6F	AL	31.83	30.60	36	30	36	23	-	14	0.076
36 AT5 / 22-2	22	6F	AL	35.12	33.85	38	30	36	24	-	15	0.080
36 AT5 / 24-2	24	6F	AL	38.21	37.00	42	30	36	26	-	15	0.109
36 AT5 / 25-2	25	6F	AL	39.80	38.60	44	30	36	26	-	15	0.116
36 AT5 / 26-2	26	6F	AL	41.47	40.20	44	30	36	26	-	16	0.120
36 AT5 / 27-2	27	6F	AL	42.98	41.80	48	30	36	30	8	18	0.128
36 AT5 / 28-2	28	6F	AL	44.62	43.35	48	30	36	32	8	18	0.135
36 AT5 / 30-2	30	6F	AL	47.76	46.55	51	30	36	34	8	18	0.150
36 AT5 / 32-2	32	6F	AL	50.94	49.70	54	30	36	36	8	22	0.176
36 AT5 / 36-2	36	6F	AL	57.31	56.05	64	30	36	38	8	22	0.230
36 AT5 / 40-2	40	6F	AL	63.66	62.45	66.5	30	36	40	8	23	0.276
36 AT5 / 42-2	42	6F	AL	66.87	65.60	70	30	36	40	8	24	0.284
36 AT5 / 44-0	44	6	AL	70.07	68.80	-	30	36	45	8	26	0.315
36 AT5 / 48-0	48	6	AL	76.42	75.15	-	30	36	50	8	28	0.400
36 AT5 / 60-0	60	6	AL	95.52	94.25	-	30	36	65	8	35	0.614

AL = Aluminium **We reserve the right to make technical changes.**

optibelt ZRS Metric Timing Belt Pulleys for Plain Boring
Profile AT10



Ausf. 6



Ausf. 6F

Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	L (mm)	F (mm)	D_m (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
AT10 - Pitch 10 mm for belt width 16 mm												
31 AT10 / 15-2	15	6F	AL	47.75	45.90	51	31	21	31	8	18	0.116
31 AT10 / 16-2	16	6F	AL	50.93	49.05	54	31	21	35	8	20	0.134
31 AT10 / 18-2	18	6F	AL	57.29	55.45	60	31	21	40	8	22	0.167
31 AT10 / 19-2	19	6F	AL	60.48	58.60	66.5	31	21	44	8	22	0.184
31 AT10 / 20-2	20	6F	AL	63.66	61.80	66.5	31	21	46	8	24	0.208
31 AT10 / 22-2	22	6F	AL	70.03	68.15	75	31	21	52	8	28	0.253
31 AT10 / 24-2	24	6F	AL	76.39	74.55	83	31	21	58	8	30	0.288
31 AT10 / 25-2	25	6F	AL	79.58	77.70	83	31	21	60	8	30	0.310
31 AT10 / 26-2	26	6F	AL	82.76	80.90	87	31	21	60	8	30	0.357
31 AT10 / 27-2	27	6F	AL	85.95	84.10	91	31	21	60	8	30	0.364
31 AT10 / 28-2	28	6F	AL	89.13	87.25	93	31	21	60	8	30	0.401
31 AT10 / 30-2	30	6F	AL	95.49	93.65	97	31	21	60	8	30	0.441
31 AT10 / 32-2	32	6F	AL	101.86	100.00	106	31	21	65	10	32	0.493
31 AT10 / 36-2	36	6F	AL	114.59	112.75	119	31	21	70	10	35	0.623
31 AT10 / 40-2	40	6F	AL	127.32	125.45	131	31	21	80	10	40	0.767
31 AT10 / 44-0	44	6	AL	140.06	138.20	-	31	21	88	10	46	0.993
31 AT10 / 48-0	48	6	AL	152.78	150.95	-	31	21	95	16	48	1.090
31 AT10 / 60-0	60	6	AL	190.98	189.10	-	31	21	110	16	60	1.710
AT10 - Pitch 10 mm for belt width 25 mm												
40 AT10 / 15-2	15	6F	AL	47.75	45.90	51	40	30	31	8	18	0.152
40 AT10 / 16-2	16	6F	AL	50.93	49.05	54	40	30	35	8	20	0.176
40 AT10 / 18-2	18	6F	AL	57.29	55.45	60	40	30	40	8	22	0.224
40 AT10 / 19-2	19	6F	AL	60.48	58.60	66.5	40	30	44	8	22	0.247
40 AT10 / 20-2	20	6F	AL	63.66	61.80	66.5	40	30	46	8	24	0.276
40 AT10 / 22-2	22	6F	AL	70.03	68.15	75	40	30	52	8	28	0.337
40 AT10 / 24-2	24	6F	AL	76.39	74.55	83	40	30	58	8	30	0.392
40 AT10 / 25-2	25	6F	AL	79.58	77.70	83	40	30	60	8	30	0.422
40 AT10 / 26-2	26	6F	AL	82.76	80.90	87	40	30	60	8	30	0.477
40 AT10 / 27-2	27	6F	AL	85.95	84.10	91	40	30	60	8	30	0.536
40 AT10 / 28-2	28	6F	AL	89.13	87.25	93	40	30	60	8	30	0.540
40 AT10 / 30-2	30	6F	AL	95.49	93.65	97	40	30	60	8	30	0.640
40 AT10 / 32-2	32	6F	AL	101.86	100.00	106	40	30	65	10	32	0.693
40 AT10 / 36-2	36	6F	AL	114.59	112.75	119	40	30	70	10	35	0.873
40 AT10 / 40-2	40	6F	AL	127.32	125.45	131	40	30	80	10	40	1.067
40 AT10 / 44-0	44	6	AL	140.06	138.20	-	40	30	88	10	46	1.350
40 AT10 / 48-0	48	6	AL	152.78	150.95	-	40	30	95	16	48	1.516
40 AT10 / 60-0	60	6	AL	190.98	189.10	-	40	30	110	16	60	2.339
AT10 - Pitch 10 mm for belt width 32 mm												
47 AT10 / 18-2	18	6F	AL	57.29	55.45	60	47	37	40	10	22	0.253
47 AT10 / 19-2	19	6F	AL	60.48	58.60	66.5	47	37	44	10	22	0.286
47 AT10 / 20-2	20	6F	AL	63.66	61.80	66.5	47	37	46	12	24	0.322
47 AT10 / 22-2	22	6F	AL	70.03	68.15	75	47	37	52	12	28	0.393
47 AT10 / 24-2	24	6F	AL	76.39	74.55	83	47	37	58	12	30	0.475

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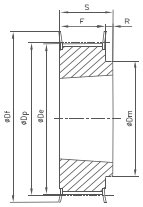
Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	L (mm)	F (mm)	D_m (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
47 AT10 / 25-2	25	6F	AL	79.58	77.70	83	47	37	60	12	30	0.527
47 AT10 / 26-2	26	6F	AL	82.76	80.90	87	47	37	60	12	30	0.564
47 AT10 / 27-2	27	6F	AL	85.95	84.10	91	47	37	60	12	30	0.602
47 AT10 / 28-2	28	6F	AL	89.13	87.25	93	47	37	60	12	30	0.642
47 AT10 / 30-2	30	6F	AL	95.49	93.65	97	47	37	60	12	30	0.740
47 AT10 / 32-2	32	6F	AL	101.86	100.00	106	47	37	65	12	32	0.844
47 AT10 / 36-2	36	6F	AL	114.59	112.75	119	47	37	70	16	35	1.083
47 AT10 / 40-2	40	6F	AL	127.32	125.45	131	47	37	80	16	40	1.317
47 AT10 / 44-0	44	6	AL	140.06	138.20	-	47	37	88	16	46	1.611
47 AT10 / 48-0	48	6	AL	152.78	150.95	-	47	37	95	16	48	1.931
47 AT10 / 60-0	60	6	AL	190.98	189.10	-	47	37	110	16	60	3.004
AT10 - Pitch 10 mm for belt width 50 mm												
66 AT10 / 18-2	18	6F	AL	57.29	55.45	60	66	56	40	10	22	0.422
66 AT10 / 19-2	19	6F	AL	60.48	58.60	66.5	66	56	44	10	22	0.466
66 AT10 / 20-2	20	6F	AL	63.66	61.80	66.5	66	56	46	12	24	0.520
66 AT10 / 22-2	22	6F	AL	70.03	68.15	75	66	56	52	12	28	0.570
66 AT10 / 24-2	24	6F	AL	76.39	74.55	83	66	56	58	12	30	0.736
66 AT10 / 25-2	25	6F	AL	79.58	77.70	83	66	56	60	12	30	0.766
66 AT10 / 26-2	26	6F	AL	82.76	80.90	87	66	56	60	12	30	0.816
66 AT10 / 27-2	27	6F	AL	85.95	84.10	91	66	56	60	12	30	0.946
66 AT10 / 28-2	28	6F	AL	89.13	87.25	93	66	56	60	12	30	0.960
66 AT10 / 30-2	30	6F	AL	95.49	93.65	97	66	56	60	12	30	1.169
66 AT10 / 32-2	32	6F	AL	101.86	100.00	106	66	56	65	12	32	1.300
66 AT10 / 36-2	36	6F	AL	114.59	112.75	119	66	56	70	16	35	1.637
66 AT10 / 40-2	40	6F	AL	127.32	125.45	131	66	56	80	16	40	1.999
66 AT10 / 44-0	44	6	AL	140.06	138.20	-	66	56	88	16	46	2.357
66 AT10 / 48-0	48	6	AL	152.78	150.95	-	66	56	95	16	48	2.830
66 AT10 / 60-0	60	6	AL	190.98	189.10	-	66	56	110	16	60	4.366

AL = Aluminium We reserve the right to make technical changes.

optibelt ZRS Timing Belt Pulleys for Taper Bushings
Profile L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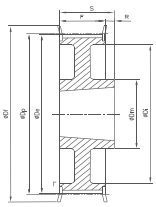
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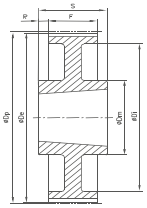
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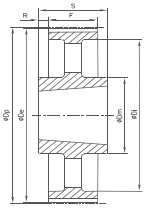
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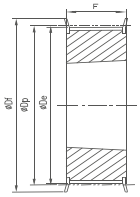
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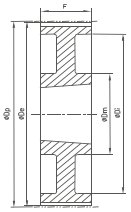
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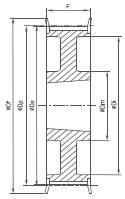
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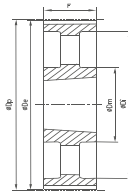
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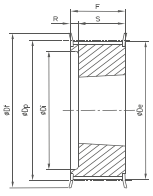
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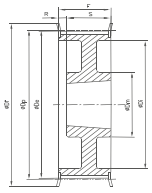
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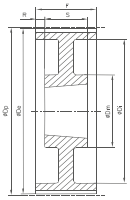
Ausf. 9W

Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	S (mm)	R (mm)	D_m (mm)	D_i (mm)	Taper bushing	Weight without bushing (≈kg)
L - Pitch 9.525 mm for belt width 050													
TB 18 L 050	18	8F	ST	54.57	53.81	60	19	22	3	40	-	1108	0.200
TB 19 L 050	19	8F	ST	57.61	56.84	64	19	22	3	40	-	1108	0.200
TB 20 L 050	20	8F	ST	60.64	59.88	66.5	19	22	3	40	-	1108	0.200
TB 21 L 050	21	8F	ST	63.67	62.91	70	19	22	3	45	-	1108	0.300
TB 22 L 050	22	8F	ST	66.70	65.94	75	19	22	3	45	-	1108	0.300
TB 23 L 050	23	8F	ST	69.73	68.97	79	19	22	3	55	-	1108	0.400
TB 24 L 050	24	8F	ST	72.77	72.00	79	19	22	3	55	-	1108	0.400
TB 25 L 050	25	8F	ST	75.80	75.04	82.5	19	22	3	58	-	1108	0.500
TB 26 L 050	26	8F	ST	78.83	78.07	86	19	22	3	58	-	1108	0.500
TB 27 L 050	27	8F	ST	81.86	81.10	86	19	22	3	58	-	1108	0.600
TB 28 L 050	28	8F	ST	84.89	84.13	91	19	22	3	58	-	1108	0.600
TB 30 L 050	30	8F	ST	90.96	90.20	97	19	22	3	70	-	1108	0.800
TB 32 L 050	32	8F	ST	97.02	96.26	102	19	22	3	70	-	1108	0.900
TB 36 L 050	36	8F	ST	109.15	108.39	115	19	22	3	70	-	1108	1.200
TB 40 L 050	40	8F	ST	121.28	120.51	128	19	25	6	70	100	1610	1.500
TB 48 L 050	48	8WF	ST	145.53	144.77	150	19	25	6	70	124	1610	2.300
TB 60 L 050	60	7W	GG	181.91	181.15	-	19	25	3	70	160	1610	2.000
TB 72 L 050	72	7A	GG	218.30	217.53	-	19	25	3	75	197	1610	3.000
TB 84 L 050	84	7A	GG	254.68	253.90	-	19	25	3	75	233	1610	4.000
TB 96 L 050	96	7A	GG	291.06	290.30	-	19	32	6.5	75	269	2012	5.500
TB 120 L 050	120	7A	GG	363.83	363.07	-	19	32	6.5	75	342	2012	6.800
L - Pitch 9.525 mm for belt width 075													
TB 18 L 075	18	3F	ST	54.57	53.81	60	25	25	-	-	-	1108	0.200
TB 19 L 075	19	3F	ST	57.61	56.84	64	25	25	-	-	-	1108	0.300
TB 20 L 075	20	3F	ST	60.64	59.88	66.5	25	25	-	-	-	1108	0.300
TB 21 L 075	21	3F	ST	63.67	62.91	70	25	25	-	-	-	1108	0.400
TB 22 L 075	22	3F	ST	66.70	65.94	75	25	25	-	-	-	1108	0.400
TB 23 L 075	23	3F	ST	69.73	68.97	79	25	25	-	-	-	1108	0.400
TB 24 L 075	24	3F	ST	72.77	72.00	79	25	25	-	-	-	1108	0.500
TB 25 L 075	25	3F	ST	75.80	75.04	83	25	25	-	-	-	1108	0.600
TB 26 L 075	26	3F	ST	78.83	78.07	87	25	25	-	-	-	1108	0.600
TB 27 L 075	27	3F	ST	81.86	81.10	87	25	25	-	-	-	1108	0.700
TB 28 L 075	28	3F	ST	84.89	84.13	91	25	25	-	-	-	1108	0.700
TB 30 L 075	30	3F	ST	90.96	90.20	97	25	25	-	-	-	1108	0.900
TB 32 L 075	32	3F	ST	97.02	96.26	102	25	25	3.5	-	-	1108	1.000
TB 36 L 075	36	3F	ST	109.15	108.39	115	25	25	3.5	-	-	1610	1.200
TB 40 L 075	40	3F	ST	121.28	120.51	128	25	25	3.5	-	-	1610	1.700

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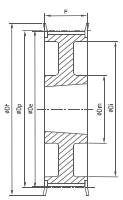
Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	S (mm)	R (mm)	D_m (mm)	D_t (mm)	Taper bushing	Weight without bushing (≈kg)
TB 48 L 075	48	3WF	ST	145.53	144.77	150	25	25	-	92	120	1610	2.500
TB 60 L 075	60	3W	ST	181.91	181.15	-	25	25	-	92	166	1610	3.000
TB 72 L 075	72	3A	GG	218.30	217.53	-	25	25	-	92	202	1610	4.000
TB 84 L 075	84	7A	GG	254.68	253.90	-	25	32	3.5	92	236	2012	5.200
TB 96 L 075	96	7A	GG	291.06	290.30	-	25	32	3.5	106	270	2012	6.500
TB 120 L 075	120	7A	GG	363.83	363.07	-	25	32	3.5	106	343	2012	7.600
L - Pitch 9.525 mm for belt width 100													
TB 18 L 100	18	5F	ST	54.57	53.81	60	32	22	9	-	38	1108	0.200
TB 19 L 100	19	5F	ST	57.61	56.84	64	32	22	9	-	38	1108	0.300
TB 20 L 100	20	5F	ST	60.64	59.88	66.5	32	22	9	-	45	1108	0.400
TB 21 L 100	21	5F	ST	63.67	62.91	70	32	22	9	-	45	1108	0.400
TB 22 L 100	22	5F	ST	66.70	65.94	75	32	22	9	-	48	1108	0.400
TB 23 L 100	23	5F	ST	69.73	68.97	79	32	22	10	-	52	1108	0.500
TB 24 L 100	24	5F	ST	72.77	72.00	79	32	22	10	-	52	1108	0.600
TB 25 L 100	25	5F	ST	75.80	75.04	82.5	32	22	10	-	54	1108	0.600
TB 26 L 100	26	5F	ST	78.83	78.07	86	32	22	10	-	60	1108	0.700
TB 27 L 100	27	5F	ST	81.86	81.10	86	32	22	10	-	60	1108	0.800
TB 28 L 100	28	5F	ST	84.89	84.13	91	32	22	10	-	65	1108	0.800
TB 30 L 100	30	5F	ST	90.96	90.20	97	32	25	7	-	71	1210	0.900
TB 32 L 100	32	5F	ST	97.02	96.26	102	32	25	7	-	75	1210	1.000
TB 36 L 100	36	5F	ST	109.15	108.39	115	32	25	7	-	86	1610	1.400
TB 40 L 100	40	5F	ST	121.28	120.51	128	32	25	7	-	96	1610	1.700
TB 48 L 100	48	5WF	ST	145.53	144.77	150	32	25	7	90	120	1610	2.700
TB 60 L 100	60	9W	ST	181.91	181.15	-	32	25	3.5	92	166	1610	2.400
TB 72 L 100	72	3A	GG	218.30	217.53	-	32	32	-	92	202	2012	4.400
TB 84 L 100	84	3A	GG	254.68	253.90	-	32	32	-	92	236	2012	6.000
TB 96 L 100	96	3A	GG	291.06	290.30	-	32	32	-	106	270	2012	7.100
TB 120 L 100	120	3A	GG	363.83	363.07	-	32	32	-	106	343	2012	8.500

Taper bushing	1108	1210	1610	2012
Bore d_2 (mm) from... to...	10-28	11-32	14-42	14-50

GG = Cast iron ST = Steel **We reserve the right to make technical changes.** * Non stock items.

optibelt ZRS Timing Belt Pulleys for Taper Bushings
Profile H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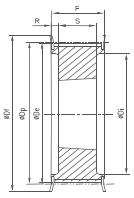
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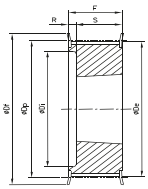
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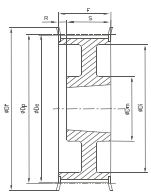
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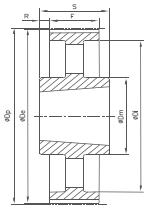
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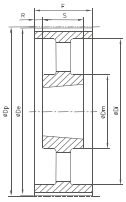
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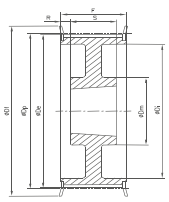
Ausf. 9WF

Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	S (mm)	R (mm)	D_m (mm)	D_i (mm)	Taper bushing	Weight without bushing (≈kg)
H - Pitch 12.7 mm for belt width 100													
TB 16 H 100	16	5F	ST	64.68	63.31	70	31	22	9	-	45	1108	0.400
TB 18 H 100	18	5F	ST	72.77	71.39	79	31	25	6	-	52	1210	0.500
TB 19 H 100	19	5F	ST	76.81	75.44	82.5	31	25	6	-	56	1210	0.600
TB 20 H 100	20	5F	ST	80.55	79.48	87	31	25	6	-	60	1210	0.700
TB 21 H 100	21	5F	ST	84.89	83.52	91	32	25	7	-	64	1210	0.800
TB 22 H 100	22	5F	ST	88.94	87.56	94	32	25	7	-	67	1210	0.900
TB 23 H 100	23	5F	ST	92.98	91.61	97	32	25	7	-	70	1610	0.900
TB 24 H 100	24	5F	ST	97.02	95.65	102	32	25	7	-	74	1610	1.000
TB 25 H 100	25	5F	ST	101.06	99.69	106	32	25	7	-	77	1610	1.000
TB 26 H 100	26	5F	ST	105.11	103.73	112	32	25	7	-	82	1610	1.200
TB 27 H 100	27	5F	ST	109.15	107.78	115	32	25	7	-	85	1610	1.300
TB 28 H 100	28	5F	ST	113.19	111.82	119.0	32	25	7	-	90	1610	1.500
TB 30 H 100	30	5F	ST	121.28	119.90	127.0	32	25	7	-	98	1610	1.700
TB 32 H 100	32	5WF	ST	129.36	127.99	135.0	32	25	7	80	106	1610	2.000
TB 36 H 100	36	5WF	ST	145.53	144.16	152.0	32	25	7	92	121	1610	2.700
TB 40 H 100	40	5WF	ST	161.70	160.33	168.0	32	25	7	92	138	1610	3.600
TB 44 H 100	44	3WF	ST	177.87	176.50	184.0	32	32	-	106	152	2012	3.800
TB 48 H 100	48	3WF	ST	194.04	192.67	200.0	32	32	-	106	169	2012	3.200
TB 60 H 100	60	9A	GG	242.55	241.18	-	34	32	1	92	223	2012	4.800
TB 72 H 100	72	9A	GG	291.06	289.69	-	34	32	1	92	270	2012	5.700
TB 84 H 100*	84	9A	GG	339.57	338.20	-	34	32	1	92	318	2012	6.800
TB 96 H 100*	96	7A	GG	388.08	386.71	-	34	45	5.5	106	366	2517	8.200
TB 120 H 100*	120	7A	GG	485.10	483.73	-	34	45	5.5	106	462	2517	12.100
H - Pitch 12.7 mm for belt width 150													
TB 18 H 150	18	5F	ST	72.77	71.39	79	45	25	20	-	-	1210	0.600
TB 19 H 150	19	5F	ST	76.81	75.44	82.5	45	25	20	-	-	1210	0.700
TB 20 H 150	20	5F	ST	80.55	79.48	87	45	25	20	-	-	1210	0.800
TB 21 H 150	21	5F	ST	84.89	83.52	91	45	25	20	-	-	1210	1.000
TB 22 H 150	22	5F	ST	88.94	87.56	94	45	25	20	-	-	1210	1.200
TB 23 H 150	23	5F	ST	92.98	91.61	97	45	25	20	-	-	1610	1.300
TB 24 H 150	24	5F	ST	97.02	95.65	102	45	25	20	-	-	1610	1.200
TB 25 H 150	25	5F	ST	101.06	99.69	106	45	25	20	-	-	1610	1.200
TB 26 H 150	26	5F	ST	105.11	103.73	112	45	25	20	-	-	1610	1.400
TB 27 H 150	27	5F	ST	109.15	107.78	115	45	25	20	-	-	1610	1.600
TB 28 H 150	28	5F	ST	113.19	111.82	120	45	25	20	-	-	1610	1.800
TB 30 H 150	30	5F	ST	121.28	119.90	128	45	25	20	-	-	1610	2.000
TB 32 H 150	32	5WF	ST	129.36	127.99	135	45	25	20	80	-	1610	2.300
TB 36 H 150	36	5WF	ST	145.53	144.16	150	45	25	20	92	118	1610	3.100
TB 40 H 150	40	5WF	ST	161.70	160.33	168	45	25	20	92	134	1610	4.000
TB 44 H 150	44	5WF	ST	177.87	176.50	184	45	32	13	106	150	2012	4.400
TB 48 H 150	48	5WF	ST	194.04	192.67	200	45	32	13	106	166	2012	4.800
TB 60 H 150	60	9A	GG	242.55	241.18	-	46	32	7.5	92	215	2517	5.400
TB 72 H 150	72	9A	GG	291.06	289.69	-	46	32	7.5	92	263	2517	6.500

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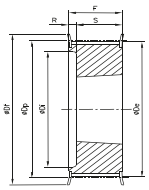
Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	S (mm)	R (mm)	D_m (mm)	D_i (mm)	Taper bushing	Weight without bushing (≈kg)
TB 84 H 150*	84	9A	GG	339.57	338.20	-	46	32	7.5	92	318	2012	8.400
TB 96 H 150*	96	9A	GG	388.08	386.71	-	46	45	0.5	106	366	2517	11.000
TB 120 H 150*	120	9A	GG	485.10	483.73	-	46	45	0.5	106	462	2517	14.800
H - Pitch 12.7 mm for belt width 200													
TB 18 H 200	18	5F	ST	72.77	71.39	79	58	25	33	-	52	1210	0.800
TB 19 H 200	19	5F	ST	76.81	75.44	82.5	58	25	33	-	56	1610	0.900
TB 20 H 200	20	5F	ST	80.85	79.48	87	58	25	33	-	60	1610	1.000
TB 21 H 200	21	5F	ST	84.89	83.52	91	58	25	33	-	64	1610	1.700
TB 22 H 200	22	5F	ST	88.94	87.56	94	58	25	33	-	67	1610	1.500
TB 23 H 200	23	5F	ST	92.98	91.61	97	58	25	33	-	70	1610	1.800
TB 24 H 200	24	5F	ST	97.02	95.65	102	58	25	33	-	74	1610	1.500
TB 25 H 200	25	5F	ST	101.06	99.69	106	58	25	33	-	77	1610	1.500
TB 26 H 200	26	5F	ST	105.11	103.73	112	58	25	33	-	82	1610	1.800
TB 27 H 200	27	5F	ST	109.15	107.78	115	58	25	33	-	85	1610	1.900
TB 28 H 200	28	5F	ST	113.19	111.82	120	58	25	33	-	90	1610	1.900
TB 30 H 200	30	5F	ST	121.28	119.90	128	58	25	33	-	98	1610	2.300
TB 32 H 200	32	5F	ST	129.36	127.99	135	58	32	26	-	106	2012	3.000
TB 36 H 200	36	5WF	ST	145.53	144.16	150	58	32	26	80	121	2012	3.000
TB 40 H 200	40	5WF	ST	161.70	160.33	168	58	32	26	80	138	2012	3.600
TB 44 H 200	44	5WF	ST	177.87	176.50	184	58	32	26	80	152	2012	4.500
TB 48 H 200	48	5WF	ST	194.04	192.67	200	58	45	13	90	169	2517	4.600
TB 60 H 200	60	9A	GG	242.55	241.18	-	60	45	7.5	90	223	2517	7.000
TB 72 H 200	72	9A	GG	291.06	289.69	-	60	45	7.5	100	270	2517	8.000
TB 84 H 200*	84	9A	GG	339.57	338.20	-	60	45	7.5	100	318	2517	9.000
TB 96 H 200*	96	9A	GG	388.08	386.71	-	60	45	7.5	120	366	2517	11.500
TB 120 H 200*	120	9A	GG	485.10	483.73	-	60	45	7.5	120	462	2517	15.400
H - Pitch 12.7 mm for belt width 300													
TB 20 H 300	20	4F	ST	80.85	79.48	87	84	38	23	-	60	1615	1.500
TB 21 H 300	21	4F	ST	84.89	83.52	91	84	38	23	-	64	1615	1.200
TB 22 H 300	22	4F	ST	88.94	87.56	94	84	38	23	-	67	1615	1.600
TB 23 H 300	23	4F	ST	92.98	91.61	97	84	38	23	-	70	1615	1.800
TB 24 H 300	24	4F	ST	97.02	95.65	102	84	38	23	-	74	1615	2.100
TB 25 H 300	25	4F	ST	101.06	99.69	106	84	38	23	-	77	1615	2.000
TB 26 H 300	26	4F	ST	105.11	103.73	112	84	38	23	-	82	1615	2.700
TB 27 H 300	27	4F	ST	109.15	107.78	115	84	32	26	-	85	2012	3.000
TB 28 H 300	28	4F	ST	113.19	111.82	120	84	32	26	-	90	2012	2.400
TB 30 H 300	30	4F	ST	121.28	119.90	128	84	32	26	-	98	2012	2.900
TB 32 H 300	32	4F	ST	129.36	127.99	135	84	45	19.5	-	106	2517	3.300
TB 36 H 300	36	4F	ST	145.53	144.16	150	84	45	19.5	-	121	2517	4.500
TB 40 H 300	40	4F	ST	161.70	160.33	168	84	45	19.5	-	138	2517	6.000
TB 44 H 300	44	9WF	ST	177.87	176.50	184	86	45	20.5	-	152	2517	6.600
TB 48 H 300	48	9WF	ST	194.04	192.67	200	86	45	20.5	119	169	2517	7.600
TB 60 H 300	60	9A	GG	242.55	241.18	-	86	45	20.5	119	223	2517	8.400
TB 72 H 300	72	9A	GG	291.06	289.69	-	86	45	20.5	119	270	2517	10.400
TB 84 H 300*	84	9A	GG	339.57	338.20	-	86	45	20.5	119	318	2517	12.500
TB 96 H 300*	96	9A	GG	388.08	386.71	-	86	76	5	119	366	3030	14.200
TB 120 H 300*	120	9A	GG	485.10	483.73	-	86	76	5	119	462	3030	18.800

Taper bushing	1108	1210	1610	1615	2012	2517	3030
Bore d_2 (mm) from... to...	10-28	11-32	14-42	14-42	14-50	16-65	35-75

GG = Cast iron ST = Steel **We reserve the right to make technical changes.** * Non stock items. Bore diameters d_2 see page 4.

optibelt ZRS Timing Belt Pulleys for Taper Bushings
Profile XH



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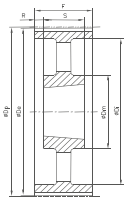

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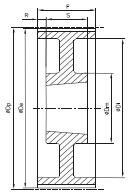

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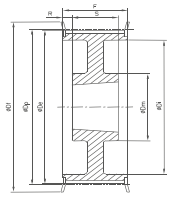

Ausf. 9WF

Description	Number of teeth	Type	Material	D_P (mm)	D_e (mm)	D_f (mm)	F (mm)	S (mm)	R (mm)	D_m (mm)	D_i (mm)	Taper bushing	Weight without bushing (≈kg)
XH - Pitch 22.225 mm for belt width 200													
TB 18 XH 200*	18	5F	GG	127.34	124.55	140	64	45	19	-	95	2517	2.600
TB 20 XH 200*	20	5F	GG	141.49	138.69	155	64	45	19	-	110	2517	3.600
TB 22 XH 200*	22	5F	GG	155.64	152.84	170	64	45	19	-	120	2517	4.800
TB 24 XH 200*	24	5F	GG	169.79	166.99	184	64	45	19	-	135	2517	6.100
TB 26 XH 200*	26	5F	GG	183.94	181.14	198	64	45	19	-	150	2517	7.400
TB 28 XH 200*	28	9WF	GG	198.08	195.29	212	64	45	9.5	120	165	2517	9.000
TB 30 XH 200*	30	9WF	GG	212.23	209.44	227	64	45	9.5	120	180	2517	8.600
TB 32 XH 200*	32	9WF	GG	226.38	223.59	240	64	45	9.5	120	195	2517	9.800
TB 40 XH 200*	40	9WF	GG	282.98	280.18	297	64	51	9.5	160	245	3020	13.300
TB 48 XH 200*	48	9W	GG	339.57	336.78	-	64	51	6.5	160	300	3020	19.000
XH - Pitch 22.225 mm for belt width 300													
TB 18 XH 300*	18	5F	GG	127.34	124.55	140	90	45	45	-	95	2517	3.700
TB 20 XH 300*	20	5F	GG	141.49	138.69	155	90	45	45	-	110	2517	4.700
TB 22 XH 300*	22	5F	GG	155.64	152.84	170	90	45	45	-	120	2517	6.000
TB 24 XH 300*	24	5F	GG	169.79	166.99	184	90	45	45	-	135	2517	7.600
TB 26 XH 300*	26	5F	GG	183.94	181.14	198	90	45	45	-	150	2517	9.800
TB 28 XH 300*	28	5F	GG	198.08	195.29	212	90	51	39	-	165	3020	11.600
TB 30 XH 300*	30	5F	GG	212.23	209.44	227	90	51	39	-	180	3020	11.900
TB 32 XH 300*	32	5F	GG	226.38	223.59	240	90	51	39	-	195	3020	13.800
TB 40 XH 300*	40	9WF	GG	282.98	280.18	297	90	51	19.5	160	245	3020	19.500
TB 48 XH 300*	48	9A	GG	339.57	336.78	-	90	51	19.5	160	300	3020	27.000
XH - Pitch 22.225 mm for belt width 400													
TB 20 XH 400*	20	5F	GG	141.49	138.69	155	119	45	74	-	110	2517	6.000
TB 22 XH 400*	22	5F	GG	155.64	152.84	170	119	45	74	-	120	2517	7.200
TB 24 XH 400*	24	5F	GG	169.79	166.99	184	119	51	68	-	135	3020	8.400
TB 26 XH 400*	26	5F	GG	183.94	181.14	198	119	51	68	-	150	3020	10.300
TB 28 XH 400*	28	5F	GG	198.08	195.29	212	119	51	68	-	165	3020	12.300
TB 30 XH 400*	30	5F	GG	212.23	209.44	227	119	51	68	-	180	3020	14.300
TB 32 XH 400*	32	5F	GG	226.38	223.59	240	119	51	68	-	195	3020	19.900
TB 40 XH 400*	40	9WF	GG	282.98	280.18	297	119	89	15	160	245	3535	24.600
TB 48 XH 400*	48	9W	GG	339.57	336.78	-	119	89	15	160	300	3535	30.000

Taper bushing	2517	3020	3535	4040
Bore d_2 (mm) from... to...	16-65	25-75	35-90	40-100

GG = Cast iron ST = Steel **We reserve the right to make technical changes.** * Non stock items.

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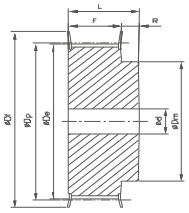
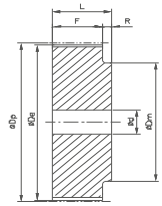


Ausf. 6F



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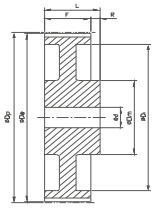
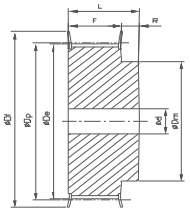


Ausf. 6W

Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	D_i (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
XL - Pitch 5.08 mm for belt width 025. 031. 037													
10 XL 037	10	6F	ST/AL	16.17	15.66	23	14.3	20	9.5	-	-	6	0.020
11 XL 037	11	6F	ST/AL	17.79	17.28	23	14.3	20	9.5	-	-	6	0.020
12 XL 037	12	6F	ST/AL	19.40	18.90	25	14.3	20	10	-	-	8	0.030
14 XL 037	14	6F	ST/AL	22.64	22.13	28	14.3	20	15	-	-	10	0.040
15 XL 037	15	6F	ST/AL	24.26	23.75	28	14.3	20	15	-	-	11	0.040
16 XL 037	16	6F	ST/AL	25.87	25.36	32	14.3	20	16	-	-	13	0.050
18 XL 037	18	6F	ST/AL	29.11	28.60	35	14.3	20	20	-	-	14	0.060
20 XL 037	20	6F	ST/AL	32.34	31.83	38	14.3	22	24	-	-	18	0.080
21 XL 037	21	6F	ST/AL	33.96	33.45	38	14.3	22	24	-	-	18	0.090
22 XL 037	22	6F	ST/AL	35.57	35.07	41	14.3	22	25	-	-	19	0.100
24 XL 037	24	6F	ST/AL	38.81	38.30	44	14.3	22	30	-	-	21	0.120
26 XL 037	26	6F	ST/AL	42.04	41.53	48	14.3	22	30	-	8	23	0.140
28 XL 037	28	6F	ST/AL	45.28	44.77	51	14.3	22	34	-	8	23	0.160
30 XL 037	30	6F	ST/AL	48.51	48.00	54	14.3	22	38	-	8	23	0.190
32 XL 037	32	6F	ST/AL	51.74	51.24	57	14.3	25	38	-	8	23	0.110
36 XL 037	36	6	ST/AL	58.21	57.70	-	14.3	25	45	-	8	23	0.130
40 XL 037	40	6	ST/AL	64.68	64.17	-	14.3	25	45	-	8	23	0.170
42 XL 037	42	6	ST/AL	67.91	67.41	-	14.3	25	45	-	8	23	0.130
44 XL 037	44	6	ST/AL	71.15	70.64	-	14.3	25	45	-	8	23	0.150
48 XL 037	48	6W	ST/AL	77.62	77.11	-	14.3	25	45	61	10	23	0.160
60 XL 037	60	6W	ST/AL	97.02	96.51	-	14.3	25	45	80	10	23	0.180
72 XL 037	72	6W	ST/AL	116.42	115.92	-	14.3	25	45	100	10	23	0.230

AL = Aluminium ST = Steel GG = Cast iron **We reserve the right to make technical changes.** * Non stock items.

optibelt ZRS Timing Belt Pulleys for Plain Boring
Profile L



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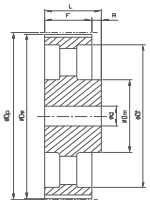

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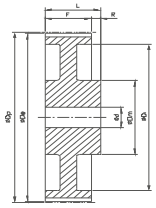

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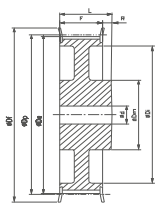

Ausf. 6WF

Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	D_i (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
L - Pitch 9.525 mm for belt width 050													
10 L 050	10	6F	ST	30.32	29.56	37	19	28	20	-	8	13	0.110
12 L 050	12	6F	ST	36.38	35.62	43	19	30	24	-	8	17	0.190
13 L 050	13	6F	ST	39.41	38.65	44	19	30	28	-	8	19	0.210
14 L 050	14	6F	ST	42.45	41.68	48	19	30	28	-	8	20	0.250
15 L 050	15	6F	ST	45.48	44.72	51	19	30	34	-	8	23	0.300
16 L 050	16	6F	ST	48.51	47.75	54	19	32	36	-	8	23	0.330
17 L 050	17	6F	ST	51.54	50.78	57	19	32	36	-	10	24	0.360
18 L 050	18	6F	ST	54.57	53.81	60	19	32	40	-	10	24	0.410
19 L 050	19	6F	ST	57.61	56.84	64	19	32	40	-	10	24	0.450
20 L 050	20	6F	ST	60.64	59.88	66.5	19	32	40	-	10	28	0.500
21 L 050	21	6F	ST	63.67	62.91	70	19	32	45	-	10	28	0.550
22 L 050	22	6F	ST	66.70	65.94	75	19	32	45	-	10	30	0.620
24 L 050	24	6F	ST	72.77	72.00	79	19	32	55	-	10	30	0.680
26 L 050	26	6F	ST	78.83	78.07	86	19	32	58	-	11	30	0.820
28 L 050	28	6F	ST	84.89	84.13	91	19	32	58	-	11	30	0.920
30 L 050	30	6F	ST	90.96	90.20	97	19	32	70	-	11	30	1.100
32 L 050	32	6F	ST	97.02	96.26	102	19	32	70	-	11	30	1.200
36 L 050	36	6F	ST	109.15	108.39	115	19	32	70	-	11	30	1.000
40 L 050	40	6WF	ST	121.28	120.51	128	19	32	70	100	11	30	1.100
44 L 050	44	6WF	ST	133.40	132.64	142	19	32	70	112	11	30	1.200
48 L 050	48	6WF	ST	145.53	144.77	150	19	32	70	124	11	30	1.300
60 L 050	60	6W	GG	181.91	181.15	-	19	42	75	160	14	30	1.300
72 L 050	72	6A	GG	218.30	217.53	-	19	42	75	197	14	30	1.700
84 L 050	84	6A	GG	254.68	253.92	-	19	42	75	233	14	30	1.900
L - Pitch 9.525 mm for belt width 075													
10 L 075	10	6F	ST	30.32	29.56	37	25	38	20	-	8	13	0.150
12 L 075	12	6F	ST	36.38	35.62	43	25	38	24	-	8	17	0.230
13 L 075	13	6F	ST	39.41	38.65	44	25	38	28	-	8	19	0.260
14 L 075	14	6F	ST	42.45	41.68	48	25	38	28	-	11	20	0.320
15 L 075	15	6F	ST	45.48	44.72	51	25	38	34	-	11	23	0.350
16 L 075	16	6F	ST	48.51	47.75	54	25	38	36	-	11	23	0.420
17 L 075	17	6F	ST	51.54	50.78	57	25	38	36	-	11	24	0.450
18 L 075	18	6F	ST	54.57	53.81	60	25	38	40	-	11	24	0.510
19 L 075	19	6F	ST	57.61	56.84	64	25	38	40	-	11	24	0.570
20 L 075	20	6F	ST	60.64	59.88	66.5	25	38	45	-	11	28	0.630
21 L 075	21	6F	ST	63.67	62.91	70	25	38	45	-	11	28	0.700
22 L 075	22	6F	ST	66.70	65.94	75	25	38	55	-	11	30	0.750
24 L 075	24	6F	ST	72.77	72.00	79	25	38	58	-	11	30	0.850
26 L 075	26	6F	ST	78.83	78.07	86	25	38	58	-	11	30	1.000
28 L 075	28	6F	ST	84.89	84.13	91	25	38	70	-	11	30	1.200
30 L 075	30	6F	ST	90.96	90.20	97	25	38	70	-	11	30	1.400
32 L 075	32	6F	ST	97.02	96.26	102	25	38	70	-	11	30	1.500
36 L 075	36	6F	ST	109.15	108.39	115	25.0	38	70	-	11	32	1.300

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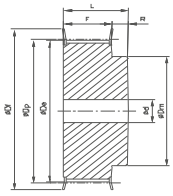
Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	D_i (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
40 L 075	40	6WF	ST	121.28	120.51	128	25.0	38	70	100	11	35	1.600
44 L 075	44	6WF	ST	133.40	132.64	142	25.4	38	70	70	11	35	1.700
48 L 075	48	6WF	ST	145.53	144.77	150	25.4	38	70	70	14	35	1.900
60 L 075	60	6A	GG	181.91	181.15	-	25.4	45	75	75	14	35	1.800
72 L 075	72	6A	GG	218.30	217.53	-	25.4	45	75	75	14	35	2.300
84 L 075	84	6A	GG	254.68	253.92	-	25.4	45	75	75	14	35	2.500
L - Pitch 9.525 mm for belt width 100													
10 L 100	10	6F	ST	30.32	29.56	37	31.8	45	20	-	8	13	0.810
12 L 100	12	6F	ST	36.38	35.62	43	31.8	45	24	-	8	17	0.290
13 L 100	13	6F	ST	39.41	38.65	44	31.8	45	28	-	8	19	0.300
14 L 100	14	6F	ST	42.45	41.68	48	31.8	45	28	-	11	20	0.380
15 L 100	15	6F	ST	45.48	44.72	51	31.8	45	34	-	11	23	0.400
16 L 100	16	6F	ST	48.51	47.75	54	31.8	45	36	-	11	23	0.510
17 L 100	17	6F	ST	51.54	50.78	57	31.8	45	36	-	11	24	0.540
18 L 100	18	6F	ST	54.57	53.81	60	31.8	45	40	-	11	24	0.620
19 L 100	19	6F	ST	57.61	56.84	64	31.8	45	40	-	11	24	0.690
20 L 100	20	6F	ST	60.64	59.88	66.5	31.8	45	45	-	11	28	0.760
21 L 100	21	6F	ST	63.67	62.91	70	31.8	45	45	-	11	28	0.820
22 L 100	22	6F	ST	66.70	65.94	75	31.8	45	55	-	11	30	0.920
24 L 100	24	6F	ST	72.77	72.00	79	31.8	45	58	-	11	30	1.100
26 L 100	26	6F	ST	78.83	78.07	86	31.8	45	58	-	11	30	1.300
28 L 100	28	6F	ST	84.89	84.13	91	31.8	45	70	-	11	30	1.400
30 L 100	30	6F	ST	90.96	90.20	97	31.8	45	70	-	11	30	1.700
32 L 100	32	6F	ST	97.02	96.26	102	31.8	45	70	-	11	30	1.800
36 L 100	36	6F	ST	109.15	108.39	115	31.8	45	70	-	11	32	1.500
40 L 100	40	6WF	ST	121.28	120.51	128	31.8	45	70	100	11	35	1.800
44 L 100	44	6WF	ST	133.40	132.64	142	31.8	45	70	112	11	35	1.900
48 L 100	48	6WF	ST	145.53	144.77	150	31.8	45	70	124	11	35	2.100
60 L 100	60	6W	GG	181.91	181.15	-	31.8	50	75	160	14	35	2.000
72 L 100	72	6A	GG	218.30	217.53	-	31.8	50	75	197	14	35	2.500
84 L 100	84	6A	GG	254.68	253.92	-	31.8	50	75	233	14	35	2.700

AL = Aluminium ST = Steel GG = Cast iron **We reserve the right to make technical changes.** * Non stock items.

optibelt ZRS Timing Belt Pulleys for Plain Boring
Profile H



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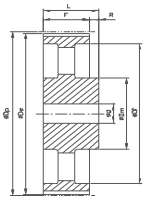

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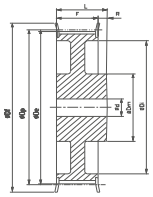

Ausf. 6WF

Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	D_i (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
H - Pitch 12.7 mm for belt width 075													
14 H 075	14	6F	ST	56.60	55.22	64	26.4	40	40	-	8	24	0.500
16 H 075	16	6F	ST	64.68	63.31	70	26.4	40	45	-	8	26	0.600
18 H 075	18	6F	ST	72.77	71.39	79	26.4	40	55	-	11	32	0.800
19 H 075	19	6F	ST	76.81	75.44	82.5	26.4	40	60	-	11	35	1.000
20 H 075	20	6F	ST	80.85	79.48	87	26.4	40	62	-	11	35	1.100
21 H 075	21	6F	ST	84.89	83.52	91	26.4	40	65	-	11	38	1.200
22 H 075	22	6F	ST	88.94	87.56	94	26.4	40	68	-	11	38	1.400
24 H 075	24	6F	ST	97.02	95.65	102	26.4	40	72	-	11	42	1.600
26 H 075	26	6F	ST	105.11	103.73	112	26.4	40	80	-	11	45	1.800
28 H 075	28	6F	ST	113.19	111.82	120	26.4	40	80	-	11	45	2.000
30 H 075	30	6F	ST	121.28	119.90	128	26.4	40	80	-	11	45	2.100
32 H 075	32	6F	ST	129.36	127.99	135	26.4	40	80	-	11	45	2.200
36 H 075	36	6F	ST	145.53	144.16	150	26.4	40	80	-	11	45	2.400
40 H 075	40	6F	ST	161.70	160.33	168	26.4	40	80	-	11	45	2.800
44 H 075	44	6WF	GG	177.87	176.50	184	26.4	40	80	150	14	45	2.700
48 H 075	48	6WF	GG	194.04	192.67	200	26.4	45	90	166	14	50	3.000
H - Pitch 12.7 mm for belt width 100													
14 H 100	14	6F	ST	56.60	55.22	64	31.8	45	40	-	11	24	0.650
16 H 100	16	6F	ST	64.68	63.31	70	31.8	45	45	-	11	28	0.850
18 H 100	18	6F	ST	72.77	71.39	79	31.8	45	55	-	14	32	1.100
19 H 100	19	6F	ST	76.81	75.44	82.5	31.8	45	60	-	14	34	1.200
20 H 100	20	6F	ST	80.85	79.48	87	31.8	45	62	-	14	35	1.400
21 H 100	21	6F	ST	84.89	83.52	91	31.8	45	65	-	14	38	1.600
22 H 100	22	6F	ST	88.94	87.56	94	31.8	45	68	-	14	41	1.700
24 H 100	24	6F	ST	97.02	95.65	102	31.8	45	72	-	14	45	2.000
26 H 100	26	6F	ST	105.11	103.73	112	31.8	45	80	-	14	32	1.400
28 H 100	28	6F	ST	113.19	111.82	120	31.8	45	80	-	14	35	1.600
30 H 100	30	6F	ST	121.28	119.90	128	31.8	45	80	-	14	35	1.700
32 H 100	32	6F	ST	129.36	127.99	135	31.8	45	80	-	14	40	2.200
36 H 100	36	6WF	ST	145.53	144.16	150	31.8	45	80	118	14	45	3.000
40 H 100	40	6WF	ST	161.70	160.33	168	31.8	45	80	134	14	45	2.800
44 H 100	44	6WF	GG	177.87	176.50	184	31.8	50	80	150	14	45	3.100
48 H 100	48	6WF	GG	194.04	192.67	200	31.8	50	90	166	14	45	3.300
60 H 100	60	6A	GG	242.55	241.18	-	31.8	50	90	215	19	45	5.500
72 H 100	72	6A	GG	291.06	289.69	-	31.8	55	100	263	19	45	7.100
84 H 100*	84	6A	GG	339.57	338.20	-	31.8	55	100	312	19	45	8.200
96 H 100*	96	6A	GG	388.08	386.71	-	31.8	60	120	360	19	45	9.900
120 H 100*	120	6A	GG	485.10	483.73	-	31.8	60	120	458	19	50	13.100
H - Pitch 12.7 mm for belt width 150													
14 H 150	14	6F	ST	56.60	55.22	64	46	58	40	-	11	24	0.820
16 H 150	16	6F	ST	64.68	63.31	70	46	58	45	-	11	28	1.100
18 H 150	18	6F	ST	72.77	71.39	79	46	58	55	-	14	32	1.500
19 H 150	19	6F	ST	76.81	75.44	83	46	58	60	-	14	34	1.700

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Description	Number of teeth	Type	Material	d_p (mm)	d_s (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	D_i (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
20 H 150	20	6F	ST	80.85	79.48	87	46	58	65	-	14	35	1.800
21 H 150	21	6F	ST	84.89	83.52	91	46	58	65	-	14	38	2.200
22 H 150	22	6F	ST	88.94	87.56	94	46	58	68	-	14	41	2.300
24 H 150	24	6F	ST	97.02	95.65	102	46	58	72	-	14	45	2.600
26 H 150	26	6F	ST	105.11	103.73	112	46	58	80	-	14	32	1.700
28 H 150	28	6F	ST	113.19	111.82	120	46	58	80	-	14	35	1.900
30 H 150	30	6F	ST	121.28	119.90	128	46	58	80	-	14	35	2.100
32 H 150	32	6F	ST	129.36	127.99	135	46	58	80	-	14	40	2.600
36 H 150	36	6WF	ST	145.53	144.16	150	46	58	80	118	14	45	3.200
40 H 150	40	6WF	ST	161.70	160.33	168	46	58	80	134	14	45	3.800
44 H 150	44	6WF	GG	177.87	176.50	184	46	58	80	150	19	45	3.700
48 H 150	48	6WF	GG	194.04	192.67	200	46	65	90	166	19	45	4.000
60 H 150	60	6A	GG	242.55	241.18	-	46	65	90	215	19	48	5.100
72 H 150	72	6A	GG	291.06	289.69	-	46	65	100	263	24	48	7.900
84 H 150*	84	6A	GG	339.57	338.20	-	46	65	100	312	24	48	8.900
96 H 150*	96	6A	GG	388.08	386.71	-	46	65	120	360	24	48	10.100
120 H 150*	120	6A	GG	485.10	483.73	-	46	65	120	458	24	55	17.200
H - Pitch 12.7 mm for belt width 200													
14 H 200	14	6F	ST	56.60	55.22	64	58.7	70	40	-	11	24	1.100
16 H 200	16	6F	ST	64.68	63.31	70	58.7	70	45	-	11	28	1.400
18 H 200	18	6F	ST	72.77	71.39	79	58.7	70	55	-	14	32	1.800
19 H 200	19	6F	ST	76.81	75.44	82.5	58.7	70	60	-	14	34	2.100
20 H 200	20	6F	ST	80.85	79.48	87	58.7	70	62	-	14	35	2.300
21 H 200	21	6F	ST	84.89	83.52	91	58.7	70	65	-	14	38	2.600
22 H 200	22	6F	ST	88.94	87.56	94	58.7	70	68	-	14	41	2.800
24 H 200	24	6F	ST	97.02	95.65	102	58.7	70	72	-	14	45	3.400
26 H 200	26	6F	ST	105.11	103.73	112	58.7	70	80	-	14	35	2.300
28 H 200	28	6F	ST	113.19	111.82	120	58.7	70	80	-	14	35	2.500
30 H 200	30	6F	ST	121.28	119.90	128	58.7	70	80	-	14	40	2.900
32 H 200	32	6F	ST	129.36	127.99	135	58.7	70	80	-	14	40	3.200
36 H 200	36	6WF	ST	145.53	144.16	150	58.7	70	80	118	14	45	3.800
40 H 200	40	6WF	ST	161.70	160.33	168	58.7	70	80	134	14	45	4.100
44 H 200	44	6WF	GG	177.87	176.50	184	58.7	70	80	150	19	45	4.400
48 H 200	48	6WF	GG	194.04	192.67	200	58.7	75	90	166	24	48	5.100
60 H 200	60	6A	GG	242.55	241.18	-	58.7	75	90	215	24	50	7.100
72 H 200	72	6A	GG	291.06	289.69	-	58.7	75	100	263	28	50	8.000
84 H 200*	84	6A	GG	339.57	338.20	-	58.7	75	100	312	28	50	12.000
96 H 200*	96	6A	GG	388.08	386.71	-	58.7	75	120	360	28	50	13.600
120 H 200*	120	6A	GG	485.10	483.73	-	58.7	75	120	458	28	57	16.600
H - Pitch 12.7 mm for belt width 300													
16 H 300	16	6F	ST	64.68	63.31	70	85.7	100	45	-	11	28	2.000
18 H 300	18	6F	ST	72.77	71.39	79	85.7	100	54	-	19	32	2.600
19 H 300	19	6F	ST	76.81	75.44	82.5	85.7	100	60	-	19	34	2.900
20 H 300	20	6F	ST	80.85	79.48	87	85.7	100	62	-	19	35	3.200
21 H 300	21	6F	ST	84.89	83.52	91	85.7	100	65	-	19	38	3.600
22 H 300	22	6F	ST	88.94	87.56	94	85.7	100	68	-	19	41	4.000
24 H 300	24	6F	ST	97.02	95.65	102	85.7	100	72	-	19	45	4.700
26 H 300	26	6F	ST	105.11	103.73	112	85.7	100	80	-	19	35	3.300
28 H 300	28	6F	ST	113.19	111.82	120	85.7	100	80	-	19	35	3.600
30 H 300	30	6F	ST	121.28	119.90	128	85.7	100	80	-	19	40	4.200
32 H 300	32	6F	ST	129.36	127.99	135	85.7	100	80	-	19	40	4.300

optibelt ZRS Timing Belt Pulleys for Plain Boring
Profile H

Description	Number of teeth	Type	Material	d_p (mm)	d_e (mm)	D_f (mm)	F (mm)	L (mm)	D_m (mm)	D_i (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
36 H 300	36	6WF	ST	145.53	144.16	150	85.7	100	80	118	19	45	5.200
40 H 300	40	6WF	ST	161.70	160.33	168	85.7	100	80	134	19	45	5.600
44 H 300	44	6WF	GG	177.87	176.50	184	85.7	100	80	150	24	45	5.900
48 H 300	48	6WF	GG	194.04	192.67	200	85.7	100	90	166	24	48	6.600
60 H 300	60	6A	GG	242.55	241.18	-	85.7	100	90	215	24	57	9.900
72 H 300	72	6A	GG	291.06	289.69	-	85.7	100	100	263	28	57	13.000
84 H 300*	84	6A	GG	339.57	338.20	-	85.7	100	100	312	28	57	15.100
96 H 300*	96	6A	GG	388.08	386.71	-	85.7	100	120	360	28	57	18.200
120 H 300*	120	6A	GG	485.10	483.73	-	85.7	100	120	458	28	62	26.000

AL = Aluminium ST = Steel GG = Cast iron **We reserve the right to make technical changes.** * Non stock items.

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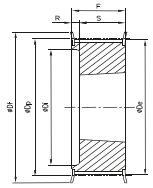
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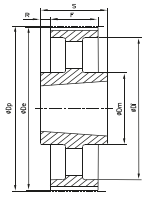
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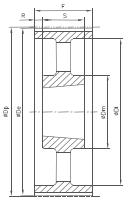
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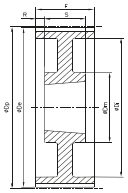
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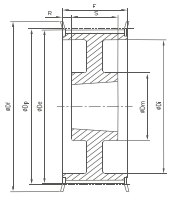
Ausf. 9WF

Description	Number of teeth	Type	Material	D_p (mm)	D_e (mm)	D_f (mm)	F (mm)	D_m (mm)	A (mm)	Pilot bore d (mm)	Finished bore hole d_{max} (mm)	Weight (≈kg)
XH - Pitch 22.225 mm for belt width 200												
18 XH 200*	18	5F	GG	127.34	124.55	140	64	-	18	20	50	5.000
20 XH 200*	20	5F	GG	141.49	138.69	155	64	-	18	20	55	6.000
22 XH 200*	22	5F	GG	155.64	152.84	170	64	-	18	20	65	7.200
24 XH 200*	24	5F	GG	169.79	166.99	184	64	-	18	25	70	8.600
26 XH 200*	26	5F	GG	183.94	181.14	198	64	-	18	25	80	10.100
28 XH 200*	28	9WF	GG	198.08	195.29	212	64	120	18	25	70	9.600
30 XH 200*	30	9WF	GG	212.23	209.44	227	64	120	18	25	70	10.400
32 XH 200*	32	9WF	GG	226.38	223.59	240	64	120	18	25	75	11.200
40 XH 200*	40	9WF	GG	282.98	280.18	297	64	160	18	25	80	16.000
48 XH 200*	48	9W	GG	339.57	336.78	-	64	160	-	30	85	18.400
60 XH 200*	60	7A	GG	424.47	421.67	-	64	190	-	30	85	24.300
72 XH 200*	72	7A	GG	509.36	506.56	-	64	190	-	40	85	28.100
84 XH 200*	84	7A	GG	594.25	591.46	-	64	190	-	40	90	31.900
96 XH 200*	96	7A	GG	679.15	676.35	-	64	190	-	40	90	37.000
XH - Pitch 22.225 mm for belt width 300												
18 XH 300*	18	5F	GG	127.34	124.55	140	90	-	35	20	50	6.800
20 XH 300*	20	5F	GG	141.49	138.69	155	90	-	35	20	55	7.400
22 XH 300*	22	5F	GG	155.64	152.84	170	90	-	35	20	65	9.000
24 XH 300*	24	5F	GG	169.79	166.99	184	90	-	35	25	70	10.600
26 XH 300*	26	5F	GG	183.94	181.14	198	90	-	35	25	80	13.000
28 XH 300*	28	5F	GG	198.08	195.29	212	90	-	35	25	70	12.000
30 XH 300*	30	5F	GG	212.23	209.44	227	90	-	35	25	70	13.000
32 XH 300*	32	5F	GG	226.38	223.59	240	90	-	35	25	75	14.700
40 XH 300*	40	9WF	GG	282.98	280.18	297	90	160	35	25	80	19.900
48 XH 300*	48	9A	GG	339.57	336.78	-	90	160	-	30	85	22.500
60 XH 300*	60	9A	GG	424.47	421.67	-	90	190	-	30	85	31.500
72 XH 300*	72	9A	GG	509.36	506.56	-	90	190	-	40	85	36.400
84 XH 300*	84	7A	GG	594.25	591.46	-	90	190	-	40	90	43.400
96 XH 300*	96	7A	GG	679.15	676.35	-	90	190	-	40	90	48.500
XH - Pitch 22.225 mm for belt width 400												
18 XH 400*	18	5F	GG	127.34	124.55	140	119	-	47	20	50	8.500
20 XH 400*	20	5F	GG	141.49	138.69	155	119	-	47	20	55	9.400
22 XH 400*	22	5F	GG	155.64	152.84	170	119	-	47	20	65	11.500
24 XH 400*	24	5F	GG	169.79	166.99	184	119	-	47	25	70	13.400
26 XH 400*	26	5F	GG	183.94	181.14	198	119	-	47	25	80	15.600
28 XH 400*	28	5F	GG	198.08	195.29	212	119	-	47	25	70	14.500
30 XH 400*	30	5F	GG	212.23	209.44	227	119	-	47	25	70	16.000
32 XH 400*	32	5F	GG	226.38	223.59	240	119	-	47	25	75	18.000
40 XH 400*	40	9WF	GG	282.98	280.18	297	119	160	47	25	80	24.000
48 XH 400*	48	9W	GG	339.57	336.78	-	119	160	-	30	85	30.800
60 XH 400*	60	9A	GG	424.47	421.67	-	119	190	-	30	85	36.200
72 XH 400*	72	9A	GG	509.36	506.56	-	119	190	-	40	85	42.700
84 XH 400*	84	9A	GG	594.25	591.46	-	119	190	-	40	90	49.700
96 XH 400*	96	9A	GG	679.15	676.35	-	119	190	-	40	90	59.900

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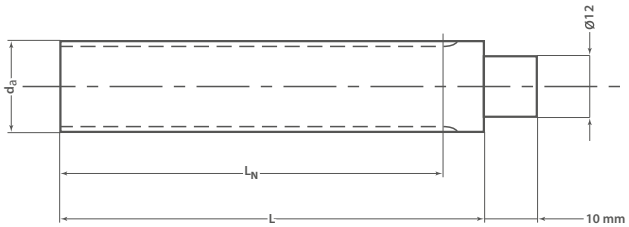

Description	Number of teeth	Material	d_d (mm)	d_a (mm)	L_N (mm)	L (mm)
XL - Pitch 5.08 mm						
10 XL 125*	10	ST	16.17	15.66	125	140.00
11 XL 125*	11	ST	17.79	17.28	125	140.00
12 XL 125*	12	ST	19.40	18.89	125	140.00
13 XL 125*	13	ST	21.02	20.51	125	140.00
14 XL 132*	14	ST	22.64	22.13	132	140.00
15 XL 132*	15	ST	24.26	23.75	132	140.00
16 XL 140*	16	ST	25.87	25.36	140	140.00
17 XL 140*	17	ST	27.49	26.98	140	140.00
18 XL 140*	18	ST	29.11	28.60	140	140.00
19 XL 140*	19	ST	30.72	30.21	140	140.00
20 XL 140*	20	ST	32.34	31.83	140	140.00
21 XL 160*	21	ST	33.96	33.45	160	160.00
22 XL 160*	22	ST	35.57	35.06	160	160.00
23 XL 160*	23	ST	37.19	36.68	160	160.00
24 XL 160*	24	ST	38.81	38.30	160	160.00
25 XL 160*	25	ST	40.43	39.92	160	160.00
26 XL 160*	26	ST	42.04	41.53	160	160.00
27 XL 160*	27	ST	43.66	43.15	160	160.00
28 XL 160*	28	ST	45.28	44.77	160	160.00
29 XL 160*	29	ST	46.89	46.38	160	160.00
30 XL 160*	30	AL	48.51	48.00	160	160.00
32 XL 160*	32	AL	51.74	51.23	160	160.00
33 XL 160*	33	AL	53.36	52.76	160	160.00
34 XL 160*	34	AL	54.98	54.47	160	160.00
35 XL 160*	35	AL	56.60	56.09	160	160.00
36 XL 160*	36	AL	58.21	57.70	160	160.00
38 XL 160*	38	AL	61.45	60.94	160	160.00
39 XL 160*	39	AL	63.06	62.55	160	160.00
40 XL 160*	40	AL	64.68	64.17	160	160.00
41 XL 160*	41	AL	66.30	65.79	160	160.00
42 XL 160*	42	AL	67.91	67.40	160	160.00
43 XL 160*	43	AL	69.53	69.02	160	160.00
44 XL 160*	44	AL	71.15	70.64	160	160.00
48 XL 160*	48	AL	77.62	77.11	160	160.00
56 XL 160*	56	AL	90.55	90.04	160	160.00
60 XL 160*	60	AL	97.02	96.51	160	160.00
72 XL 160*	72	AL	116.43	115.92	160	160.00

ST = Steel AL = Aluminium * Non stock items.

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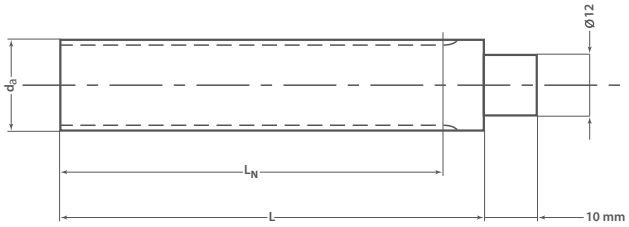

Description	Number of teeth	Material	d_d (mm)	d_a (mm)	L_N (mm)	L (mm)
L - Pitch 9.525 mm						
10 L 140*	10	ST	30.32	29.56	140	140.00
11 L 140*	11	ST	33.35	32.59	140	140.00
12 L 160*	12	ST	36.38	35.62	160	160.00
13 L 160*	13	ST	39.41	38.65	160	160.00
14 L 160*	14	ST	42.45	41.68	160	160.00
15 L 160*	15	ST	45.48	44.72	160	160.00
16 L 160*	16	ST	48.51	47.75	160	160.00
17 L 160*	17	ST	51.54	50.78	160	160.00
18 L 160*	18	ST	54.57	53.81	160	160.00
19 L 160*	19	ST	57.61	56.84	160	160.00
20 L 160*	20	ST	60.64	59.88	160	160.00
21 L 160*	21	ST	63.67	62.91	160	160.00
22 L 160*	22	ST	66.70	65.94	160	160.00
23 L 160*	23	ST	69.73	68.97	160	160.00
24 L 160*	24	ST	72.77	72.00	160	160.00
27 L 160*	27	ST	81.86	81.10	160	160.00
30 L 160*	30	ST	90.96	90.20	160	160.00

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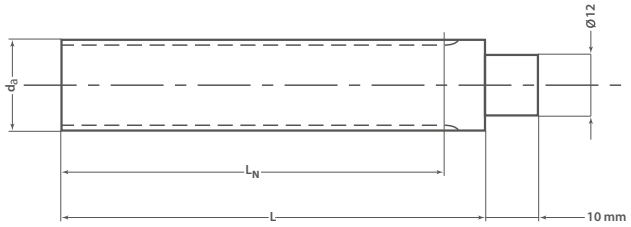

Description	Number of teeth	Material	d_d (mm)	d_a (mm)	L_N (mm)	L (mm)
T5 - Pitch 5 mm						
125 T5 10*	10	AL	15.92	15.05	125	140.00
125 T5 11*	11	AL	17.51	16.65	125	140.00
125 T5 12*	12	AL	19.01	18.25	125	140.00
125 T5 13*	13	AL	20.70	19.85	125	140.00
132 T5 14*	14	AL	22.29	21.45	132	140.00
132 T5 15*	15	AL	23.88	23.05	132	140.00
140 T5 16*	16	AL	25.47	24.60	140	140.00
140 T5 17*	17	AL	27.06	26.20	140	140.00
140 T5 18*	18	AL	28.65	27.80	140	140.00
140 T5 19*	19	AL	30.25	29.40	140	140.00
160 T5 20*	20	AL	31.83	31.00	160	160.00
160 T5 21*	21	AL	33.43	32.70	160	160.00
160 T5 22*	22	AL	35.12	34.25	160	160.00
160 T5 23*	23	AL	36.62	35.85	160	160.00
160 T5 24*	24	AL	38.21	37.40	160	160.00
160 T5 25*	25	AL	39.80	39.00	160	160.00
160 T5 26*	26	AL	41.47	40.60	160	160.00
160 T5 27*	27	AL	42.98	42.20	160	160.00
160 T5 28*	28	AL	44.62	43.75	160	160.00
160 T5 29*	29	AL	46.17	45.35	160	160.00
160 T5 30*	30	AL	47.76	46.95	160	160.00
160 T5 32*	32	AL	50.94	50.10	160	160.00
160 T5 34*	24	AL	54.13	53.25	160	160.00
160 T5 35*	35	AL	55.72	54.85	160	160.00
160 T5 36*	36	AL	57.31	56.45	160	160.00
160 T5 37*	37	AL	58.90	58.06	160	160.00
160 T5 38*	38	AL	60.50	59.65	160	160.00
160 T5 40*	40	AL	63.66	62.85	160	160.00
160 T5 42*	42	AL	66.87	66.00	160	160.00
160 T5 44*	44	AL	70.07	69.20	160	160.00
160 T5 45*	45	AL	71.64	70.80	160	160.00
160 T5 46*	46	AL	73.23	72.40	160	160.00
160 T5 48*	48	AL	76.42	75.55	160	160.00
160 T5 50*	50	AL	79.60	78.75	160	160.00
160 T5 60*	60	AL	95.52	94.65	160	160.00
160 T5 72*	72	AL	114.62	113.75	160	160.00
160 T5 80*	80	AL	127.36	126.48	160	160.00
160 T5 90*	90	AL	143.28	142.40	160	160.00
160 T5 100*	100	AL	159.20	158.31	160	160.00

ST = Steel AL = Aluminium * Non stock items.

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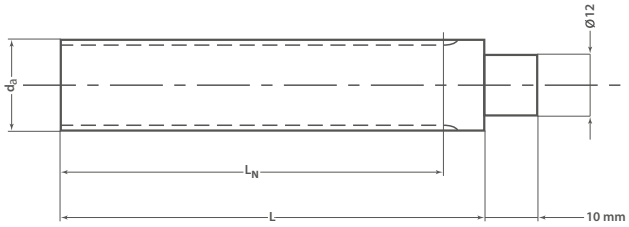

Description	Number of teeth	Material	d_d (mm)	d_a (mm)	L_N (mm)	L (mm)
T10 - Pitch 10 mm						
140 T10 10*	10	AL	31.83	29.98	140	140.00
140 T10 11*	11	AL	35.01	33.16	140	140.00
140 T10 12*	12	AL	38.20	36.35	140	140.00
140 T10 13*	13	AL	41.38	39.50	140	140.00
160 T10 14*	14	AL	44.56	42.70	160	160.00
160 T10 15*	15	AL	47.75	45.90	160	160.00
160 T10 16*	16	AL	50.93	49.05	160	160.00
160 T10 17*	17	AL	54.11	52.25	160	160.00
160 T10 18*	18	AL	57.29	55.45	160	160.00
160 T10 19*	19	AL	60.48	58.60	160	160.00
160 T10 20*	20	AL	63.66	61.60	160	160.00
160 T10 21*	21	AL	66.84	65.00	160	160.00
160 T10 22*	22	AL	70.03	68.15	160	160.00
160 T10 23*	23	AL	73.20	71.35	160	160.00
160 T10 24*	24	AL	76.39	74.55	160	160.00
160 T10 26*	26	AL	82.76	80.90	160	160.00
160 T10 28*	28	AL	89.13	87.25	160	160.00
160 T10 30*	30	AL	95.49	93.65	160	160.00
160 T10 32*	32	AL	101.86	100.00	160	160.00
160 T10 34*	34	AL	108.22	106.40	160	160.00
160 T10 36*	36	AL	114.59	112.75	160	160.00
160 T10 38*	38	AL	120.95	119.10	160	160.00
160 T10 40*	40	AL	127.32	125.45	160	160.00
160 T10 45*	45	AL	143.24	141.40	160	160.00
160 T10 48*	48	AL	152.78	150.95	160	160.00
160 T10 60*	60	AL	190.98	189.10	160	160.00
160 T10 72*	72	AL	229.18	227.29	160	160.00

ST = Steel AL = Aluminium * Non stock items.

Description	Pitch t (mm)	b (mm)	Material	B (mm)	a (mm)	L (mm)	e (mm)	H (mm)	d (mm)	Weight (≈kg)
XL										
XL 025 CP	5.080	6.35	AL	25.5	6.00	42.50	3.50	8.00	5.50	0.020
XL 037 CP	5.080	9.53	AL	28.5	6.00	42.50	3.50	8.00	5.50	0.025
XL 050 CP	5.080	12.70	AL	32.0	6.00	42.50	3.50	8.00	5.50	0.027
XL 075 CP	5.080	19.05	AL	38.0	6.00	42.50	3.50	8.00	5.50	0.032
XL 100 CP*	5.080	25.40	AL	45.0	6.00	42.50	3.50	8.00	5.50	0.038
L										
L 037 CP	9.525	9.53	AL	36.0	8.00	76.60	5.00	15.00	9.00	0.095
L 050 CP	9.525	12.70	AL	39.0	8.00	76.60	5.00	15.00	9.00	0.104
L 075 CP	9.525	19.05	AL	45.0	8.00	76.60	5.00	15.00	9.00	0.121
L 100 CP	9.525	25.40	AL	51.5	8.00	76.60	5.00	15.00	9.00	0.140
L 150 CP	9.525	38.10	AL	64.0	8.00	76.60	5.00	15.00	9.00	0.177
L 200 CP	9.525	50.80	AL	77.0	8.00	76.60	5.00	15.00	9.00	0.215
H										
H 050 CP	12.700	12.70	AL	45.0	10.00	106.90	9.00	22.00	11.00	0.050
H 075 CP	12.700	19.05	AL	51.0	10.00	106.90	9.00	22.00	11.00	0.075
H 100 CP	12.700	25.40	AL	57.5	10.00	106.90	9.00	22.00	11.00	0.100
H 150 CP	12.700	38.10	AL	70.0	10.00	106.90	9.00	22.00	11.00	0.150
H 200 CP	12.700	50.80	AL	83.0	10.00	106.90	9.00	22.00	11.00	0.200
H 300 CP	12.700	76.20	AL	108.0	10.00	106.90	9.00	22.00	11.00	0.300
H 400 CP*	12.700	101.60	AL	134.0	10.00	106.90	9.00	22.00	11.00	0.400
5M										
5M 06 CP	5.000	6.00	AL	25.0	6.00	41.80	3.20	8.00	5.50	0.015
5M 09 CP	5.000	9.00	AL	28.0	6.00	41.80	3.20	8.00	5.50	0.018
5M 15 CP	5.000	15.00	AL	34.0	6.00	41.80	3.20	8.00	5.50	0.022
5M 25 CP	5.000	25.00	AL	44.0	6.00	41.80	3.20	8.00	5.50	0.030
8M										
8M 10 CP	8.000	10.00	AL	35.0	8.00	66.00	5.00	15.00	9.00	0.075
8M 15 CP	8.000	15.00	AL	40.0	8.00	66.00	5.00	15.00	9.00	0.085
8M 20 CP	8.000	20.00	AL	45.0	8.00	66.00	5.00	15.00	9.00	0.100
8M 30 CP	8.000	30.00	AL	55.0	8.00	66.00	5.00	15.00	9.00	0.120
8M 50 CP	8.000	50.00	AL	75.0	8.00	66.00	5.00	15.00	9.00	0.170
8M 85 CP	8.000	85.00	AL	110.0	8.00	66.00	5.00	15.00	9.00	0.250
14M										
14M 25 CP	14.000	25.00	AL	56.0	10.00	116.00	9.00	22.00	11.00	0.315
14M 40 CP	14.000	40.00	AL	71.0	10.00	116.00	9.00	22.00	11.00	0.405
14M 55 CP	14.000	55.00	AL	86.0	10.00	116.00	9.00	22.00	11.00	0.495
14M 85 CP	14.000	85.00	AL	116.0	10.00	116.00	9.00	22.00	11.00	0.860
14M 115 CP*	14.000	115.00	AL	146.0	10.00	116.00	9.00	22.00	11.00	1.195
T5										
6 T5 CP	5.000	6.00	AL	25.0	6.00	41.80	3.20	8.00	5.50	0.020
10 T5 CP	5.000	10.00	AL	29.0	6.00	41.80	3.20	8.00	5.50	0.025
16 T5 CP	5.000	16.00	AL	35.0	6.00	41.80	3.20	8.00	5.50	0.030
25 T5 CP	5.000	25.00	AL	44.0	6.00	41.80	3.20	8.00	5.50	0.036
32 T5 CP	5.000	32.00	AL	51.0	6.00	41.80	3.20	8.00	5.50	0.042

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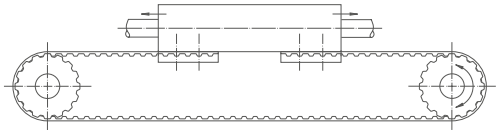
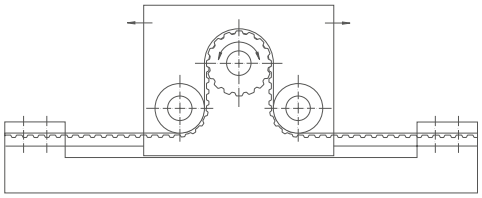


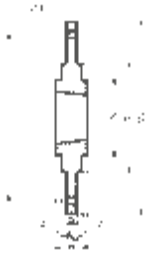


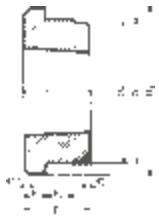
Description	Pitch t (mm)	b (mm)	Material	B (mm)	a (mm)	L (mm)	e (mm)	H (mm)	d (mm)	Weight (≈kg)
50 T5 CP*	5.000	50.00	AL	69.0	6.00	41.80	3.20	8.00	5.50	0.051
T10										
16 T10 CP	10.000	16.00	AL	41.0	8.00	80.00	5.00	15.00	9.00	0.115
25 T10 CP	10.000	25.00	AL	50.0	8.00	80.00	5.00	15.00	9.00	0.140
32 T10 CP	10.000	32.00	AL	57.0	8.00	80.00	5.00	15.00	9.00	0.160
50 T10 CP	10.000	50.00	AL	75.0	8.00	80.00	5.00	15.00	9.00	0.215
75 T10 CP*	10.000	75.00	AL	100.0	8.00	80.00	5.00	15.00	9.00	0.290
100 T10 CP*	10.000	100.00	AL	125.0	8.00	80.00	5.00	15.00	9.00	0.370
T20										
25 T20 CP	20.000	25.00	AL	56.0	10.00	160.00	10.00	20.00	11.00	0.385
32 T20 CP	20.000	32.00	AL	65.0	10.00	160.00	10.00	20.00	11.00	0.450
50 T20 CP	20.000	50.00	AL	81.0	10.00	160.00	10.00	20.00	11.00	0.570
75 T20 CP	20.000	75.00	AL	106.0	10.00	160.00	10.00	20.00	11.00	0.755
100 T20 CP*	20.000	100.00	AL	132.0	10.00	160.00	10.00	20.00	11.00	0.940
AT5										
6 AT5 CP	5.000	6.00	AL	25.0	6.00	41.80	3.20	8.00	5.50	0.016
10 AT5 CP	5.000	10.00	AL	29.0	6.00	41.80	3.20	8.00	5.50	0.019
16 AT5 CP	5.000	16.00	AL	35.0	6.00	41.80	3.20	8.00	5.50	0.024
25 AT5 CP	5.000	25.00	AL	44.0	6.00	41.80	3.20	8.00	5.50	0.031
32 AT5 CP	5.000	32.00	AL	51.0	6.00	41.80	3.20	8.00	5.50	0.036
50 AT5 CP*	5.000	50.00	AL	61.0	6.00	41.80	3.20	8.00	5.50	0.043
AT10										
16 AT10 CP	10.000	16.00	AL	41.0	8.00	80.00	5.00	15.00	9.00	0.110
25 AT10 CP	10.000	25.00	AL	50.0	8.00	80.00	5.00	15.00	9.00	0.135
32 AT10 CP	10.000	32.00	AL	57.0	8.00	80.00	5.00	15.00	9.00	0.155
50 AT10 CP	10.000	50.00	AL	75.0	8.00	80.00	5.00	15.00	9.00	0.205
75 AT10 CP	10.000	75.00	AL	100.0	8.00	80.00	5.00	15.00	9.00	0.280
100 AT10 CP*	10.000	100.00	AL	125.0	8.00	80.00	5.00	15.00	9.00	0.350
AT20										
25 AT20 CP	20.000	25.00	AL	56.0	10.00	160.00	10.00	20.00	11.00	0.385
32 AT20 CP	20.000	32.00	AL	65.0	10.00	160.00	10.00	20.00	11.00	0.450
50 AT20 CP	20.000	50.00	AL	81.0	10.00	160.00	10.00	20.00	11.00	0.570
75 AT20 CP	20.000	75.00	AL	106.0	10.00	160.00	10.00	20.00	11.00	0.755
100 AT20 CP*	20.000	100.00	AL	132.0	10.00	160.00	10.00	20.00	11.00	0.940

Description	Pitch t (mm)	Material	L (mm)	e (mm)	H (mm)	d (mm)
CP - bulk stock						
5M*	5.000	AL	1.000	3.20	8.00	5.50
8M*	8.000	AL	1.000	5.00	15.00	9.00
14M*	14.000	AL	1.000	9.00	22.00	11.00
T5*	5.000	AL	1.000	3.20	8.00	5.50
T10*	10.000	AL	1.000	5.00	15.00	9.00
T20*	20.000	AL	1.000	10.00	22.00	11.00
AT5*	5.000	AL	1.000	3.20	8.00	5.50
AT10*	10.000	AL	1.000	5.00	15.00	9.00
AT20*	20.000	AL	1.000	10.00	22.00	11.00

Further sizes on request. * Non stock items. AL = Aluminium bulk stock, undrilled, to be cut to the required length

optibelt TN Taper Hubs





optibelt TN Bolt on hubs

Description	Material	Taper bushing	D_A (mm)	D_T (mm)	D +0/-0.01 (mm)	D_K (mm)	B (mm)	b (mm)	Z (mm)	B_M (mm)	d (mm)	Number of d (mm)	Weight without bushing (≈kg)
SM													
SM 12	GG	1210	180	135	90	75.0	25.0	6.50	2.5	11.5	7.50	6	1.500
SM 16	GG	1615	200	150	110	85.0	38.0	7.50	2.5	12.5	7.50	6	3.000
SM 20	GG	2012	270	190	140	110.0	32.0	8.50	2.5	13.5	9.50	6	-
SM 25	GG	2517	340	240	170	125.0	45.0	9.50	2.5	14.5	11.50	8	7.600
SM 30-1	GG	3020	430	300	220	160.0	51.0	13.50	2.5	18.5	13.50	8	16.600
SM 30-2	GG	3020	485	340	250	160.0	51.0	13.50	2.5	18.5	13.50	8	20.500

Taper bushing	1210	1610	1615	2012	2517	3020	3030	3525	3535	4040	4545	5050
Bore d_2 (mm) from... to...	11-32	14-42	14-42	14-50	16-65	25-75	35-75	35-90	35-90	40-100	44-110	70-125

optibelt TN Weld on hubs type WM

Description	Material	Taper bushing	D_A (mm)	D +0/-0.05 (mm)	D_K (mm)	B +0.5/-0.5 (mm)	b_1 (mm)	b_2 (mm)	Weight without bushing (≈kg)
WM									
WM 1210	ST	1210	70	60	58.0	25	9.0	10	0.300
WM 1615	ST	1615	83	70	68.0	38	16.0	11	0.600
WM 2012	ST	2012	95	90	88.0	32	12.0	12	0.700
WM 2517	ST	2517	127	110	108.0	44	19.0	13	1.800
WM 3030	ST	3030	152	130	125.0	76	25.0	19	3.500
WM 3535	ST	3535	184	155	151.0	89	32.0	25	10.000
WM 4040	ST	4040	225	195	187.0	102	32.0	32	13.200
WM 4545	ST	4545	254	220	213.0	115	38.0	38	20.100
WM 5050	ST	5050	276	242	228.0	127	38.0	38	25.400

Taper bushing	1210	1610	1615	2012	2517	3020	3030	3525	3535	4040	4545	5050
Bore d_2 (mm) from... to...	11-32	14-42	14-42	14-50	16-65	25-75	35-75	35-90	35-90	40-100	44-110	70-125

Bore diameters d_2 see page 4. Further sizes on request. ST = Steel GG = Cast iron. We reserve the right to make technical changes.

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Description	Material	Taper bushing	D_A (mm)	D +0/-0.05 (mm)	D_K (mm)	B +0.5/-0.5 (mm)	b_1 (mm)	b_2 (mm)	Weight without bushing (≈kg)
WH									
WH 1210	ST	1210	70	65	64.5	25	9.0	10	0.300
WH 1610	ST	1610	80	75	74.5	25	9.0	10	-
WH 2012	ST	2012	95	90	89.5	32	12.0	12	-
WH 2517	ST	2517	115	110	109.5	44	19.0	15	-
WH 3020	ST	3020	145	140	139.5	50	19.0	15	2.700
WH 3525	ST	3525	190	180	179.5	65	25.0	25	-
WH 3535	ST	3535	190	180	179.5	89	32.0	25	10.000
WH 4040	ST	4040	200	190	189.5	101	32.0	30	-
WH 4545	ST	4545	210	200	199.5	115	40.0	30	-
WH 5050	ST	5050	230	220	219.5	127	40.0	35	-

Taper bushing	1210	1610	1615	2012	2517	3020	3030	3525	3535	4040	4545	5050
Bore d_2 (mm) from... to...	11-32	14-42	14-42	14-50	16-65	25-75	35-75	35-90	35-90	40-100	44-110	70-125

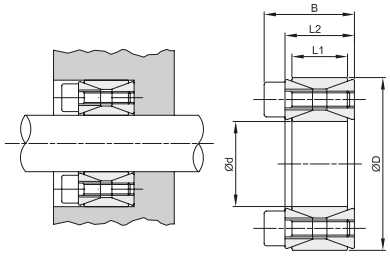
optibelt TN Adapters

Description	Material	Taper bushing	D (mm)	B (mm)	Keyway dimensions b x h (mm)	Minimum hub diameter GG	Minimum hub diameter GGG	Minimum hub diameter ST	Weight without bushing (≈kg)
TN Z									
1008 AM	ST	1008	45.0	22.0	5 x 2.5	71	62	56	0.100
1008 BM	ST	1008	45.0	22.0	5 x 2.5	75	67	60	0.100
1210 AM	ST	1210	60.0	25.0	6 x 3	86	79	73	0.200
1210 BM	ST	1210	60.0	25.0	6 x 3	92	86	83	0.200
1610 AM	ST	1610	70.0	25.0	10 x 4	95	89	83	0.300
1610 BM	ST	1610	70.0	25.0	10 x 4	102	95	89	0.300
1615 AM	ST	1615	70.0	38.0	10 x 4	95	89	83	0.400
1615 BM	ST	1615	70.0	38.0	10 x 4	102	95	89	0.400
2517 AM	ST	2517	105.0	45.0	16 x 4	143	133	121	1.000
2517 BM	ST	2517	105.0	45.0	16 x 4	149	140	127	1.000
3030 AM	ST	3030	130.0	76.0	20 x 5	178	165	156	2.500
3030 BM	ST	3030	130.0	76.0	20 x 5	187	175	159	2.500
3535 AM	ST	3535	160.0	89.0	22 x 5	222	203	191	5.200
3535 BM	ST	3535	160.0	89.0	22 x 5	232	213	200	5.200
4040 AM	ST	4040	185.0	102.0	24 x 5	273	248	229	8.000
4040 BM	ST	4040	185.0	102.0	24 x 5	283	157	238	8.000

Taper bushing	1008	1210	1610	1615	2517	3030	3535	4040
Bore d_2 (mm) from... to...	10-25	11-32	14-42	14-42	16-65	35-75	35-90	40-100

ST = Steel GG = Cast iron GGG = Spheroidal graphite cast iron AM = Without keyway BM = With keyway
Bore diameters d_2 see page 4. We reserve the right to make technical changes.

optibelt CE Clamping Bushings
Profile CE01



Description	d x D (mm)	L_1 (mm)	L_2 (mm)	B (mm)	Trans-withtable torque Mt (Nm)	Axial force F ax. (KN)	Screws - descrip-tion	Screws - number of	Pressure. shaft P_W (N/mm²)	Pressure. hub P_N (N/mm²)	Screws - tightening torque Ms (Nm)	Weight (kg)
CE01												
CE01 19	19x47	17	20	26	298	31	M6x18	8	286	116	14.9	0.25
CE01 20	20x47	17	20	26	313	31	M6x18	8	272	116	14.9	0.24
CE01 22	22x47	17	20	26	345	31	M6x18	8	247	116	14.9	0.23
CE01 24	24x50	17	20	26	424	35	M6x18	8	255	123	14.9	0.26
CE01 25	25x50	17	20	26	441	35	M6x18	8	245	123	14.9	0.25
CE01 28	28x55	17	20	26	549	39	M6x18	12	243	124	14.9	0.30
CE01 30	30x55	17	20	26	588	39	M6x18	12	227	124	14.9	0.29
CE01 32	32x60	17	20	26	752	47	M6x18	12	255	136	14.9	0.30
CE01 35	35x60	17	20	26	822	47	M6x18	12	233	136	14.9	0.32
CE01 38	38x65	17	20	26	1042	55	M6x18	15	250	146	14.9	0.36
CE01 40	40x65	17	20	26	1097	55	M6x18	15	238	146	14.9	0.34
CE01 42	42x75	20	24	32	1740	83	M8x22	12	291	163	35	0.48
CE01 45	45x75	20	24	32	1864	83	M8x22	12	271	163	35	0.57
CE01 48	48x80	20	24	32	1988	83	M8x22	12	254	153	35	0.59
CE01 50	50x80	20	24	32	2071	83	M8x22	12	244	153	35	0.60
CE01 55	55x85	20	24	32	2658	97	M8x22	15	259	168	35	0.63
CE01 60	60x90	20	24	32	2900	97	M8x22	15	238	158	35	0.69
CE01 65	65x95	20	24	32	3587	110	M8x22	15	250	171	35	0.73
CE01 70	70x110	24	28	38	5345	153	M10x25	15	268	171	69	1.26
CE01 75	75x115	24	28	38	5727	153	M10x25	15	250	163	69	1.33
CE01 80	80x120	24	28	38	6108	153	M10x25	15	235	156	69	1.40
CE01 85	85x125	24	28	38	7417	175	M10x25	15	252	172	69	1.49
CE01 90	90x130	24	28	38	7854	175	M10x25	15	238	165	69	1.53
CE01 95	95x135	24	28	38	9326	196	M10x25	18	254	179	69	1.62
CE01 100	100x145	26	33	45	11362	227	M12x30	15	258	178	123.3	2.01
CE01 110	110x155	26	33	45	12498	227	M12x30	15	234	166	123.3	2.15
CE01 120	120x165	26	33	45	15578	260	M12x30	16	245	178	123.3	2.35
CE01 130	130x180	34	38	50	21095	325	M12x35	20	217	156	123.3	3.51
CE01 140	140x190	34	38	50	24993	357	M12x35	22	221	163	123.3	3.85
CE01 150	150x200	34	38	50	29217	390	M12x35	24	225	169	123.3	4.07
CE01 160	160x210	34	38	50	33756	422	M12x35	26	229	174	123.3	4.30
CE01 170	170x225	38	44	58	39483	465	M14x40	22	212	160	187	5.80
CE01 180	180x235	38	44	58	45606	507	M14x40	24	218	167	187	6.00
CE01 190	190x250	46	52	66	56163	591	M14x45	28	199	152	187	8.50
CE01 200	200x260	46	52	66	63342	633	M14x45	30	203	156	187	8.60
CE01 220	220x285	50	56	72	81960	745	M16x50	26	200	154	290	11.00
CE01 240	240x305	50	56	72	103162	860	M16x50	30	211	166	290	12.00
CE01 260	260x325	50	56	72	126669	974	M16x50	34	221	177	290	13.00
CE01 280	280x355	60	66	84	157339	1124	M18x60	32	197	156	400	19.00
CE01 300	300x375	60	66	84	189653	1264	M18x60	36	207	166	400	20.00
CE01 320	320x405	72	78	98	264108	1651	M20x70	36	211	167	580	30.00

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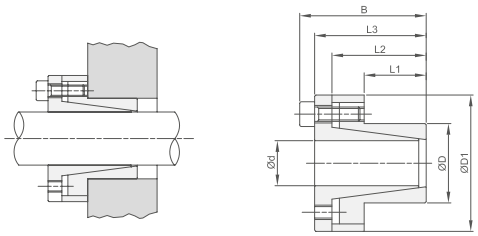
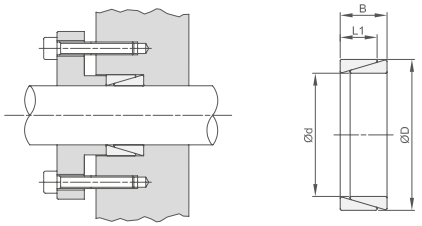


Description	d x D (mm)	L_1 (mm)	L_2 (mm)	L_3 (mm)	B (mm)	D_1 (mm)	D_2 (mm)	Transwithtable torque Mt (Nm)	Axial force F ax. (KN)	Pressure. shaft P_W (N/mm²)	Pressure. hub P_N (N/mm²)	Screws - number of	Screws - description	Screws - tightening torque Ms (Nm)	Weight (kg)
CE02															
CE02 08	8x15	12	21	24	28	28	32	39	10	299	159	4	M4x10	5.2	0.16
CE02 09	9x16	14	23	27	31	28	32	44	10	227	128	4	M4x12	5.2	0.16
CE02 10	10x16	14	23	27	31	28	32	49	10	205	128	4	M4x12	5.2	0.17
CE02 11	11x18	14	23	27	31	30	34	53	10	186	114	4	M4x12	5.2	0.17
CE02 12	12x18	14	23	27	31	30	34	58	10	171	114	4	M4x12	5.2	0.18
CE02 14	14x23	14	23	27	31	35	39	68	10	146	89	4	M4x12	5.2	0.20
CE02 15	15x24	16	29	36	42	40	45	120	16	196	123	4	M6x18	17	0.21
CE02 16	16x24	16	29	36	42	40	45	128	16	184	123	4	M6x18	17	0.23
CE02 18	18x26	18	31	38	44	42	47	191	21	194	134	4	M6x18	17	0.27
CE02 19	19x27	18	31	38	44	43	48	202	21	183	129	4	M6x18	17	0.29
CE02 20	20x28	18	31	38	44	44	49	213	21	174	124	4	M6x18	17	0.30
CE02 22	22x32	25	38	45	51	48	54	234	21	114	78	4	M6x18	17	0.38
CE02 24	24x34	25	38	45	51	50	56	255	21	105	74	4	M6x18	17	0.41
CE02 25	25x34	25	38	45	51	50	56	266	21	100	74	4	M6x18	17	0.45
CE02 28	28x39	25	38	45	51	55	61	373	27	112	81	5	M6x18	17	0.47
CE02 30	30x41	25	38	45	51	57	63	480	32	126	92	6	M6x18	17	0.48
CE02 32	32x43	30	43	50	56	59	65	511	32	98	73	6	M6x18	17	0.51
CE02 35	35x47	30	43	50	56	63	69	747	43	120	89	8	M6x18	17	0.63
CE02 38	38x50	30	43	50	56	66	72	811	43	110	84	8	M6x18	17	0.67
CE02 40	40x53	32	45	52	58	69	75	959	48	110	83	9	M6x18	17	0.73
CE02 42	42x55	32	45	52	58	71	77	1007	48	105	80	9	M6x18	17	0.78
CE02 45	45x59	40	56	64	72	79	85	1781	79	130	99	8	M8x22	42	1.23
CE02 48	48x62	40	56	64	72	82	88	1900	79	122	94	8	M8x22	42	1.24
CE02 50	50x65	50	66	74	82	85	92	2473	99	117	90	10	M8x22	42	1.40
CE02 55	55x71	50	66	74	82	91	98	2721	99	106	82	10	M8x22	42	1.70
CE02 60	60x77	50	66	74	82	97	104	2968	99	97	76	10	M8x22	42	1.76
CE02 65	65x84	50	66	74	82	104	111	3215	99	90	69	10	M8x22	42	2.21
CE02 70	70x90	60	80	91	101	115	122	4430	127	89	69	8	M10x25	84	3.05
CE02 75	75x95	60	80	91	101	119	126	5338	142	93	74	9	M10x25	84	3.32
CE02 80	80x100	65	85	96	106	124	131	7595	190	108	86	12	M10x25	84	3.50
CE02 85	85x106	65	85	96	106	130	137	8069	190	101	81	12	M10x25	84	3.60
CE02 90	90x112	65	85	96	106	136	143	9968	222	112	90	14	M10x25	84	3.90
CE02 95	95x120	65	85	96	106	144	153	10522	222	106	84	14	M10x25	84	4.40
CE02 100	100x125	65	89	102	114	153	162	13651	273	124	99	12	M12x30	145	4.60
CE02 110	110x140	70	94	107	119	168	177	15016	273	105	82	12	M12x30	145	8.70
CE02 120	120x155	90	114	127	139	185	195	21844	364	99	77	16	M12x30	145	10.70
CE02 130	130x165	90	114	127	139	195	205	23664	364	92	72	16	M12x30	145	11.30
CE02 140	140x175	90	114	127	139	205	215	25485	364	85	68	16	M12x30	145	11.90
CE02 150	150x185	90	114	127	139	215	225	27305	364	80	64	16	M12x30	145	12.50



Description	d x D (mm)	L_1 (mm)	B (mm)	Transwithtable torque Mt (Nm)	Axial force F ax. (KN)	Pressure. shaft P_W (N/mm²)	Pressure. hub P_N (N/mm²)	Weight (kg)
CE03								
CE03 12	12x15	3.7	4.5	10	2	98	78	0.01
CE03 14	14x18	5.3	6.3	19	3	98	76	0.01
CE03 15	15x19	5.3	6.3	22	3	98	77	0.01
CE03 16	16x20	5.3	6.3	25	3	98	78	0.01
CE03 17	17x21	5.3	6.3	28	3	98	79	0.01
CE03 18	18x22	5.3	6.3	32	4	98	80	0.01
CE03 19	19x24	5.3	6.3	35	4	98	77	0.01
CE03 20	20x25	5.3	6.3	39	4	98	78	0.01
CE03 22	22x26	5.3	6.3	47	4	98	83	0.01
CE03 24	24x28	5.3	6.3	57	5	98	84	0.01
CE03 25	25x30	5.3	6.3	61	5	98	81	0.01
CE03 28	28x32	5.3	6.3	76	5	98	86	0.01
CE03 30	30x35	5.3	6.3	88	6	98	84	0.01
CE03 32	32x36	5.3	6.3	100	6	98	87	0.02
CE03 35	35x40	6.0	7.0	136	8	98	86	0.02
CE03 36	36x42	6.0	7.0	144	8	98	84	0.02
CE03 38	38x44	6.0	7.0	160	8	98	84	0.02
CE03 40	40x45	6.6	8.0	195	10	98	87	0.03
CE03 42	42x48	6.6	8.0	216	10	98	86	0.04
CE03 45	45x52	8.6	10.0	321	14	98	85	0.04
CE03 48	48x55	8.6	10.0	367	15	98	85	0.05
CE03 50	50x57	8.6	10.0	397	16	98	86	0.05
CE03 55	55x62	8.6	10.0	480	17	98	87	0.06
CE03 56	56x64	10.4	12.0	603	22	98	86	0.07
CE03 60	60x68	10.4	12.0	692	23	98	86	0.07
CE03 63	63x71	10.4	12.0	764	24	98	87	0.08
CE03 65	65x73	10.4	12.0	813	25	98	87	0.08
CE03 70	70x79	12.2	14.0	1110	32	98	87	0.11
CE03 71	71x80	12.2	14.0	1140	32	98	87	0.12
CE03 75	75x84	12.2	14.0	1260	34	98	87	0.12
CE03 80	80x91	15.0	17.0	1770	44	98	86	0.20
CE03 90	90x101	15.0	17.0	2240	50	98	87	0.22
CE03 95	95x108	18.7	21.0	3450	70	98	86	0.38

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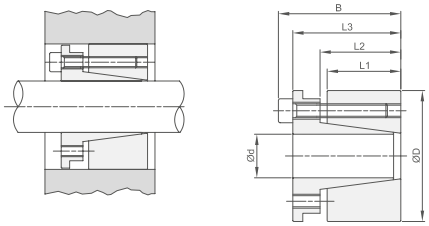
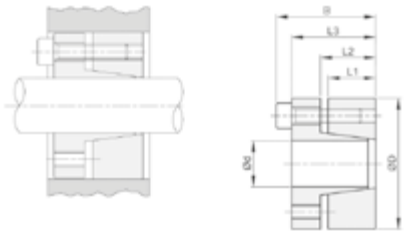


Description	d x D (mm)	L_1 (mm)	L_2 (mm)	L_3 (mm)	B (mm)	Trans-withtable torque Mt (Nm)	Axial force F ax. (KN)	Screws - descrip-tion	Screws - number of	Pressure. shaft P_W (N/mm²)	Pressure. hub P_N (N/mm²)	Screws - tightening torque Ms (Nm)	Weight (kg)
CE04													
CE04 19	19x47	26	31	39	45	307	32	193	78	4	M6x25	17	0.39
CE04 20	20x47	26	31	39	45	323	32	183	78	4	M6x25	17	0.38
CE04 22	22x47	26	31	39	45	355	32	166	78	4	M6x25	17	0.37
CE04 24	24x50	26	31	39	45	582	48	229	110	6	M6x25	17	0.43
CE04 25	25x50	26	31	39	45	606	48	220	110	6	M6x25	17	0.42
CE04 28	28x55	26	31	39	45	679	48	196	100	6	M6x25	17	0.55
CE04 30	30x55	26	31	39	45	727	48	183	100	6	M6x25	17	0.56
CE04 32	32x60	26	31	39	45	1033	65	229	122	8	M6x25	17	0.60
CE04 35	35X60	26	31	39	45	1130	65	209	122	8	M6x25	17	0.50
CE04 38	38x65	26	31	39	45	1227	65	193	113	8	M6x25	17	0.60
CE04 40	40x65	26	31	39	45	1292	65	183	113	8	M6x25	17	0.60
CE04 42	42x75	30	36	47	55	1835	87	204	115	6	M8x30	41	1.00
CE04 45	45x75	30	36	47	55	1966	87	191	115	6	M8x30	41	1.00
CE04 48	48x80	30	36	47	55	2097	87	179	107	6	M8x30	41	1.10
CE04 50	50x80	30	36	47	55	2184	87	172	107	6	M8x30	41	1.00
CE04 55	55x85	30	36	47	55	3202	116	208	135	8	M8x30	41	1.10
CE04 60	60x90	30	36	47	55	3493	116	191	127	8	M8x30	41	1.20
CE04 65	65x95	30	36	47	55	3784	116	176	120	8	M8x30	41	1.30
CE04 70	70x110	40	46	57	67	6607	189	199	127	8	M10x35	83	2.20
CE04 75	75x115	40	46	62	72	7079	189	186	121	8	M10x35	83	2.50
CE04 80	80x120	40	46	62	72	7551	189	174	116	8	M10x35	83	2.60
CE04 85	85x125	40	46	62	72	10029	236	205	139	10	M10x35	83	2.80
CE04 90	90x130	40	46	62	72	10619	236	193	134	10	M10x35	83	2.70
CE04 95	95x135	40	46	62	72	11209	236	183	129	10	M10x35	83	2.90
CE04 100	100x145	46	52	77	89	13738	275	176	121	8	M12x45	145	3.90
CE04 110	110x155	46	52	77	89	15111	275	160	114	8	M12x45	145	4.20
CE04 120	120x165	46	52	77	89	20606	343	183	133	10	M12x45	145	4.80
CE04 130	130x180	46	52	77	89	26788	412	203	147	12	M12x45	145	5.00
CE04 140	140x190	51	59	84	98	26142	373	154	114	8	M14x45	230	6.50
CE04 150	150x200	51	59	84	98	35016	467	180	135	10	M14x45	230	7.00
CE04 160	160x210	51	59	84	98	37351	467	169	129	10	M14x45	230	7.00
CE04 170	170x225	51	59	84	98	47617	560	191	144	12	M14x45	230	8.50
CE04 180	180x235	51	59	84	98	50418	560	180	138	12	M14x45	230	9.00



Description	d x D (mm)	L_1 (mm)	L_2 (mm)	L_3 (mm)	B (mm)	Trans-withtable torque Mt (Nm)	Axial force F ax. (KN)	Pressure. shaft P_W (N/mm²)	Pressure. hub P_N (N/mm²)	Screws - number of	Screws - descrip-tion	Screws - tigh-tening torque Ms (Nm)	Weight (kg)
CE05													
CE05 19	19x47	17	22	28	34	273	29	262	106	5	M6x20	13	0.30
CE05 20	20x47	17	22	28	34	287	29	249	106	5	M6x20	13	0.30
CE05 22	22x47	17	22	28	34	316	29	227	106	5	M6x20	13	0.30
CE05 24	24x50	17	22	28	34	413	34	249	120	6	M6x20	13	0.30
CE05 25	25x50	17	22	28	34	431	34	239	120	6	M6x20	13	0.30
CE05 28	28x55	17	22	28	34	482	34	213	109	6	M6x20	13	0.40
CE05 30	30x55	17	22	28	34	517	34	199	109	6	M6x20	13	0.30
CE05 32	32x60	17	22	28	34	734	46	249	133	8	M6x20	13	0.40
CE05 35	35x60	17	22	28	34	803	46	227	133	8	M6x20	13	0.40
CE05 38	38x65	17	22	28	34	872	46	210	122	8	M6x20	13	0.40
CE05 40	40x65	17	22	28	34	918	46	199	122	8	M6x20	13	0.40
CE05 42	42x75	20	25	33	41	1563	74	261	146	7	M8x25	32	0.80
CE05 45	45x75	20	25	33	41	1674	74	244	146	7	M8x25	32	0.60
CE05 50	50x80	20	25	33	41	1860	74	219	137	7	M8x25	32	0.80
CE05 55	55x85	20	25	33	41	2340	85	228	148	8	M8x25	32	0.80
CE05 60	60x90	20	25	33	41	2553	85	209	139	8	M8x25	32	0.80
CE05 65	65x95	20	25	33	41	3110	96	217	149	9	M8x25	32	0.90
CE05 70	70x110	24	30	40	50	4838	138	243	154	8	M10x30	65	1.59
CE05 75	75x115	24	30	40	50	5184	138	226	148	8	M10x30	65	1.80
CE05 80	80x120	24	30	40	50	5530	138	212	142	8	M10x30	65	1.80
CE05 85	85x125	24	30	40	50	6610	156	225	153	9	M10x30	65	2.00
CE05 90	90x130	24	30	40	50	6998	156	212	147	9	M10x30	65	2.10
CE05 95	95x135	24	30	40	50	8208	173	223	157	10	M10x30	65	2.10
CE05 100	100x145	26	32	44	56	9742	195	221	152	8	M12x35	110	2.80
CE05 110	110x155	26	32	44	56	10716	195	201	143	8	M12x35	110	3.00
CE05 120	120x165	26	32	44	56	13154	219	207	151	9	M12x35	110	3.20
CE05 130	130x180	34	40	52	64	18996	292	195	141	12	M12x35	110	4.80
CE05 140	140x190	34	40	54	68	20336	291	180	133	9	M14x40	170	5.20
CE05 150	150x200	34	40	54	68	24211	323	187	140	10	M14x40	170	5.40
CE05 160	160x210	34	40	54	68	28408	355	192	147	11	M14x40	170	5.70
CE05 170	170x225	44	50	64	78	32929	387	153	115	12	M14x40	170	8.00
CE05 180	180x235	44	50	64	78	34866	387	144	110	12	M14x40	170	8.30

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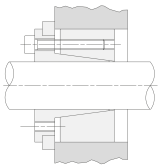
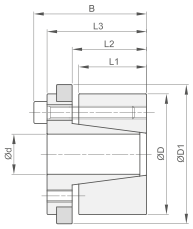
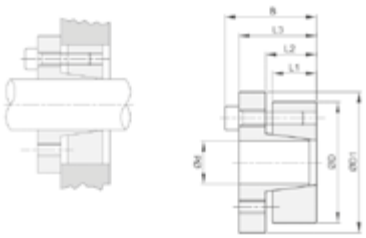




Description	d x D (mm)	L_1 (mm)	L_2 (mm)	L_3 (mm)	B (mm)	D_1 (mm)	Trans-withtable torque Mt (Nm)	Axial force F ax. (KN)	Pressure. shaft P_W (N/mm²)	Pressure. hub P_N (N/mm²)	Screws - number of	Screws - description	Screws - tightening torque Ms (Nm)	Weight (kg)
CE06														
CE06 19	19x47	26	31	39	45	53	202	21	127	51	4	M6x20	17	0.45
CE06 20	20x47	26	31	39	45	53	213	21	121	51	4	M6x20	17	0.46
CE06 22	22x47	26	31	39	45	53	234	21	110	51	4	M6x20	17	0.50
CE06 24	24x50	26	31	39	45	56	384	32	151	73	6	M6x20	17	0.50
CE06 25	25x50	26	31	39	45	56	400	32	145	73	6	M6x20	17	0.50
CE06 28	28x55	26	31	39	45	61	448	32	129	66	6	M6x20	17	0.60
CE06 30	30x55	26	31	39	45	61	480	32	121	66	6	M6x20	17	0.60
CE06 32	32x60	26	31	39	45	66	683	43	151	81	8	M6x20	17	0.70
CE06 35	35x60	26	31	39	45	66	747	43	138	81	8	M6x20	17	0.60
CE06 38	38x65	26	31	39	45	71	811	43	127	74	8	M6x20	17	0.80
CE06 40	40x65	26	31	39	45	71	853	43	121	74	8	M6x20	17	0.60
CE06 42	42x75	30	36	47	55	81	1216	58	135	76	6	M8x30	41	1.20
CE06 45	45x75	30	36	47	55	81	1302	58	126	76	6	M8x30	41	1.10
CE06 48	48x80	30	36	47	55	86	1389	58	119	71	6	M8x30	41	1.30
CE06 50	50x80	30	36	47	55	86	1447	58	114	71	6	M8x30	41	1.10
CE06 55	55x85	30	36	47	55	91	2124	77	138	89	8	M8x30	41	1.20
CE06 60	60x90	30	36	47	55	96	2317	77	127	84	8	M8x30	41	1.30
CE06 65	65x95	30	36	47	55	101	2510	77	117	80	8	M8x30	41	1.40
CE06 70	70x110	40	46	57	67	116	4381	125	132	84	8	M10x35	83	2.50
CE06 75	75x115	40	46	62	72	121	4694	125	123	80	8	M10x35	83	2.60
CE06 80	80x120	40	46	62	72	126	5007	125	115	77	8	M10x35	83	2.80
CE06 85	85x125	40	46	62	72	131	6651	156	136	92	10	M10x35	83	2.80
CE06 90	90x130	40	46	62	72	136	7042	156	128	89	10	M10x35	83	3.00
CE06 95	95x135	40	46	62	72	141	7433	156	121	85	10	M10x35	83	3.00
CE06 100	100x145	46	52	77	89	151	9104	182	117	81	8	M12x45	145	5.50
CE06 110	110x155	46	52	77	89	161	10015	182	106	75	8	M12x45	145	4.80
CE06 120	120x165	46	52	77	89	171	13653	228	122	88	10	M12x45	145	5.50
CE06 130	130x180	46	52	77	89	186	17747	273	135	97	12	M12x45	145	6.00
CE06 140	140x190	51	59	84	98	196	17328	248	102	75	8	M14x45	230	7.50
CE06 150	150x200	51	59	84	98	206	23207	309	119	89	10	M14x45	230	7.70
CE06 160	160x210	51	59	84	98	216	24754	309	112	85	10	M14x45	230	8.00
CE06 170	170x225	51	59	84	98	231	31561	371	126	95	12	M14x45	230	9.80
CE06 180	180x235	51	59	84	98	241	33417	371	119	91	12	M14x45	230	9.80



Description	d x D (mm)	L_1 (mm)	L_2 (mm)	L_3 (mm)	B (mm)	D_1 (mm)	Trans-withtable torque Mt (Nm)	Axial force F ax. (KN)	Pressure. shaft P_W (N/mm²)	Pressure. hub P_N (N/mm²)	Screws - descrip-tion	Screws - tigh-tening torque Ms (Nm)	Weight (kg)
CE07													
CE07 19	19x47	17	22	28	34	56	243	26	234	94	M6x20	17	0.30
CE07 20	20x47	17	22	28	34	56	256	26	222	94	M6x20	17	0.30
CE07 22	22x47	17	22	28	34	56	282	26	202	94	M6x20	17	0.30
CE07 24	24x50	17	22	28	34	59	368	31	222	106	M6x20	17	0.30
CE07 25	25x50	17	22	28	34	59	383	31	213	106	M6x20	17	0.30
CE07 28	28x55	17	22	28	34	64	429	31	190	97	M6x20	17	0.40
CE07 30	30x55	17	22	28	34	64	460	31	177	97	M6x20	17	0.40
CE07 32	32x60	17	22	28	34	69	655	41	222	118	M6x20	17	0.40
CE07 35	35x60	17	22	28	34	69	716	41	203	118	M6x20	17	0.40
CE07 38	38x65	17	22	28	34	74	778	41	187	109	M6x20	17	0.50
CE07 40	40x65	17	22	28	34	74	819	41	178	109	M6x20	17	0.50
CE07 42	42x75	20	25	33	41	84	1361	65	227	127	M8x25	41	0.80
CE07 45	45x75	20	25	33	41	84	1458	65	212	127	M8x25	41	0.70
CE07 50	50x80	20	25	33	41	84	1620	65	191	119	M8x25	41	0.80
CE07 55	55x85	20	25	33	41	94	2037	74	199	129	M8x25	41	0.90
CE07 60	60x90	20	25	33	41	99	2223	74	182	121	M8x25	41	0.90
CE07 65	65x95	20	25	33	41	104	2710	83	189	126	M8x25	41	1.00
CE07 70	70x110	24	30	40	50	119	4203	120	211	134	M10x30	83	1.90
CE07 75	75x115	24	30	40	50	124	4754	120	197	128	M10x30	83	2.00
CE07 80	80x120	24	30	40	50	129	4804	120	184	123	M10x30	83	2.00
CE07 85	85x125	24	30	40	50	134	5742	135	195	133	M10x30	83	2.00
CE07 90	90x130	24	30	40	50	139	6080	135	184	128	M10x30	83	2.20
CE07 95	95x135	24	30	40	50	144	7131	150	194	137	M10x30	83	2.30
CE07 100	100x145	26	32	44	56	154	8732	175	198	137	M12x35	145	3.00
CE07 110	110x155	26	32	44	56	164	9605	175	180	128	M12x35	145	3.20
CE07 120	120x165	26	32	44	56	174	11787	196	186	135	M12x35	145	3.40
CE07 130	130x180	34	40	52	64	189	17024	262	175	126	M12x35	145	5.20
CE07 140	140x190	34	40	54	68	199	18703	267	166	122	M14x40	230	5.40
CE07 150	150x200	34	40	54	68	209	22259	297	172	129	M14x40	230	5.70
CE07 160	160x210	34	40	54	68	219	26119	326	177	135	M14x40	230	6.00
CE07 170	170x225	44	50	64	78	234	30276	356	140	106	M14x40	230	8.30
CE07 180	180x235	44	50	64	78	244	32057	356	133	102	M14x40	230	8.80

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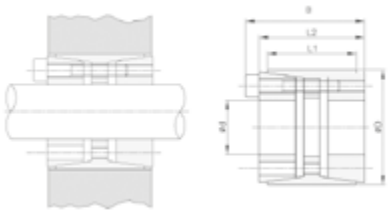
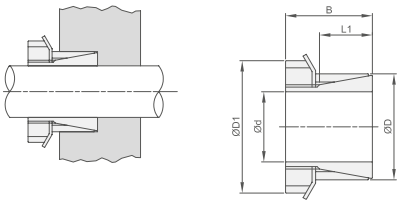


Description	d x D (mm)	L_1 (mm)	L_2 (mm)	B (mm)	Trans-withtable torque Mt (Nm)	Axial force F ax. (KN)	Pressure. shaft P_W (N/mm²)	Pressure. hub P_N (N/mm²)	Screws - number of	Screws - description	Screws - tightening torque Ms (Nm)	Weight (kg)
CE08												
CE08 25	25x55	32	40	46	799	64	314	107	6	M6x35	17	0.50
CE08 28	28x55	32	40	46	895	64	281	107	6	M6x35	17	0.60
CE08 30	30x55	32	40	46	959	64	262	107	6	M6x35	17	0.60
CE08 35	35x60	44	54	60	1306	75	185	83	7	M6x45	17	0.70
CE08 38	38x75	44	54	62	2567	135	308	121	7	M8x50	41	0.70
CE08 40	40x75	44	54	62	2702	135	293	121	7	M8x50	41	0.70
CE08 42	42x75	44	54	62	2837	135	279	121	7	M8x50	41	1.00
CE08 45	45x75	44	54	62	3040	135	260	121	7	M8x50	41	0.90
CE08 48	48x80	56	64	62	3707	154	216	102	8	M8x55	41	1.40
CE08 50	50x80	56	64	72	3861	154	207	102	8	M8x55	41	1.30
CE08 55	55x85	56	64	72	4779	174	212	108	9	M8x55	41	1.50
CE08 60	60x90	56	64	72	5793	193	216	113	10	M8x55	41	1.60
CE08 65	65x95	56	64	72	6276	193	199	107	10	M8x55	41	1.80
CE08 70	70x110	70	78	88	10951	313	235	120	10	M10x60	83	3.00
CE08 75	75x115	70	78	88	11733	313	220	115	10	M10x60	83	3.30
CE08 80	80x120	70	78	88	13768	344	227	121	11	M10x60	83	3.50
CE08 85	85x125	70	78	88	15959	376	233	127	12	M10x60	83	3.70
CE08 90	90x130	70	78	88	16898	376	220	122	12	M10x60	83	3.80
CE08 95	95x135	70	78	88	17837	376	208	117	12	M10x60	83	5.00
CE08 100	100x145	90	100	112	25029	501	211	113	11	M12x80	145	6.00
CE08 110	110x155	90	100	112	30039	546	209	115	12	M12x80	145	6.20
CE08 120	120x165	90	100	112	38226	637	224	127	14	M12x80	145	7.20
CE08 130	130x180	104	116	130	48270	743	201	117	12	M14x90	230	10.00
CE08 140	140x190	104	116	130	60654	866	217	129	14	M14x90	230	10.20
CE08 150	150x200	104	116	130	69628	928	217	132	15	M14x90	230	10.80
CE08 160	160x210	104	116	130	79220	990	217	134	16	M14x90	230	11.50
CE08 170	170x225	134	148	164	100851	1186	206	116	14	M16x110	360	17.00
CE08 180	180x235	134	148	164	114414	1271	208	119	15	M16x110	360	17.05
CE08 190	190x250	134	148	164	128814	1356	210	119	16	M16x110	360	21.50
CE08 200	200x260	134	148	164	135594	1356	200	115	16	M16x110	360	22.00
CE08 220	220x285	134	148	164	167805	1526	204	118	18	M16x110	360	25.00



Description	d x D (mm)	L_1 (mm)	B (mm)	D_1 (mm)	Trans-withttable torque Mt (Nm)	Axial force F ax. (KN)	Pressure. shaft P_W (N/mm²)	Pressure. hub P_N (N/mm²)	Screws - number of	Screws - descrip-tion	Screws - tightening torque Ms (Nm)	Weight (kg)
CE11												
CE11 15	15x25	20	31	32	77	9	91	55	1	M20x1	95	0.11
CE11 18	18x30	21	33	38	125	13	98	59	1	M25x1.5	160	0.13
CE11 19	19x30	21	33	38	132	13	93	59	1	M25x1.5	160	0.13
CE11 20	20x30	21	33	38	139	13	88	59	1	M25x1.5	160	0.15
CE11 24	24x35	25	38	45	202	15	74	51	1	M30x1.5	220	0.17
CE11 25	25x35	25	38	45	210	15	71	51	1	M30x1.5	220	0.17
CE11 28	28x40	28	44	52	312	20	76	53	1	M35x1.5	340	0.28
CE11 30	30x40	28	44	52	335	20	71	53	1	M35x1.5	340	0.26
CE11 32	32x45	28	45	58	483	25	75	58	1	M40x1.5	480	0.26
CE11 35	35x45	28	46	65	696	31	82	66	1	M45x1.5	680	0.33
CE11 40	40x50	28	47	70	902	36	84	69	1	M50x1.5	870	0.45
CE11 45	45x55	28	47	75	1014	37	77	64	1	M55x2	970	0.66
CE11 50	50x60	28	48	80	1158	38	73	61	1	M60x2	1100	0.72
CE11 60	60x70	28	50	85	1379	41	73	62	1	M65x2	1300	0.80

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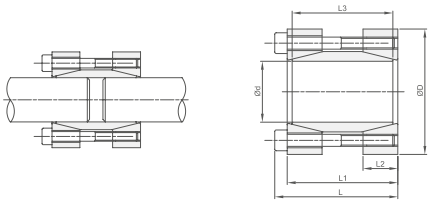
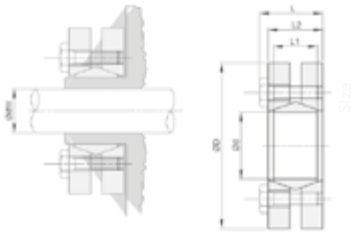


Description	d x D (mm)	L (mm)	L_1 (mm)	L_2 (mm)	L_3 (mm)	Trans-withtable torque Mt (Nm)	Axial force F ax. (KN)	Pressure. shaft P_W (N/mm²)	Screws - number of	Screws - description	Screws - tightening torque Ms (Nm)	Weight (kg)
CE13												
CE13 17	17x50	56	50	16	44	179	21	166	4	M6x45	17	0.51
CE13 18	18x50	56	50	16	44	190	21	157	4	M6x45	17	0.52
CE13 19	19x50	56	50	16	44	200	21	149	4	M6x45	17	0.50
CE13 20	20x50	56	50	16	44	211	21	141	4	M6x45	17	0.50
CE13 24	24x55	66	60	18.5	54	378	32	144	6	M6x55	17	0.71
CE13 25	25x55	66	60	18.5	54	394	32	138	6	M6x55	17	0.69
CE13 28	28x60	66	60	18.5	54	442	32	123	6	M6x55	17	0.81
CE13 30	30x60	66	60	18.5	54	473	32	115	6	M6x55	17	0.78
CE13 32	32x63	66	60	18.5	54	505	32	108	6	M6x55	17	0.85
CE13 35	35x75	83	75	22	67	682	39	98	4	M8x70	42	1.48
CE13 38	38x75	83	75	22	67	741	39	90	4	M8x70	42	1.45
CE13 40	40x75	83	75	22	67	780	39	86	4	M8x70	42	1.40
CE13 42	42x78	83	75	22	67	819	39	82	4	M8x70	42	1.50
CE13 45	45x85	93	85	24.5	76	1317	59	101	6	M8x80	42	2.03
CE13 48	48x90	93	85	24.5	76	1405	59	95	6	M8x80	42	2.24
CE13 50	50x90	93	85	24.5	76	1463	59	91	6	M8x80	42	2.18
CE13 55	55x94	93	85	24.5	76	2147	78	110	8	M8x80	42	2.29
CE13 60	60x100	93	85	24.5	76	2343	78	101	8	M8x80	42	2.52
CE13 65	65x105	93	85	24.5	76	2538	78	93	8	M8x80	42	2.69
CE13 70	70x115	110	100	29	90	4321	123	116	8	M10x95	83	3.94

* Non stock items We reserve the right to make technical changes.



Description	d_w (mm)	D (mm)	L_1 (mm)	L_2 (mm)	L (mm)	Pressure shaft P_w (N/mm^2)	Torque M (Nm)	Axial force F (KN)	Screws - description	Screws - number of	Screws - tightening torque Ms (Nm)	Weight (kg)
CE14												
CE14 24	19 20 21	50	14	19.5	23	272	162 200 238	15.0 18.5 21.0	6	M5x18	4.9	0.20
CE14 30	24 25 26	60	16	21.5	25	221	285 323 361	15.7 23.7 26.7	7	M5x18	4.9	0.30
CE14 36	28 30 31	72	18	23.5	27.5	292	418 542 599	27.0 38.0 43.0	5	M6x20	11.8	0.40
CE14 44	32 35 36	80	20	25.5	29.5	301	589 741 817	44.0 49.0 54.0	7	M6x20	11.8	0.60
CE14 50	38 40 42	90	22	27.5	31.5	275	893 1102 1311	48.8 58.8 69.0	8	M6x25	11.8	0.80
CE14 55	42 45 48	100	23	30.5	34.5	239	1102 1444 1786	48.0 61.7 77.0	8	M6x25	11.8	1.10
CE14 62	48 50 52	110	23	30.5	34.5	265	1758 2090 2280	69.0 80.9 90.0	10	M6x25	11.8	1.30
CE14 68	50 55 60	115	23	30.5	34.5	242	1900 2375 2993	71.2 80.9 95.7	10	M6x25	11.8	1.40
CE14 75	55 60 65	138	25	32.5	37.8	259	2375 3040 3753	94.4 111.0 126.0	7	M8x30	29.4	1.70
CE14 80	60 65 70	145	25	32.5	37.8	243	3040 7505 4370	99.3 115.0 130.0	7	M8x30	29.4	1.90
CE14 90	65 70 75	155	30	39	44.3	257	4513 5700 6888	141.0 160.0 178.0	10	M8x35	29.4	3.30
CE14 100	70 75 80	170	34	44	49.3	245	6555 7125 8550	163.0 182.0 202.0	12	M8x35	29.4	4.70
CE14 110	75 80 85	185	39	50	56.4	232	6840 8550 10260	185.0 207.0 221.0	9	M10x40	57.8	5.90

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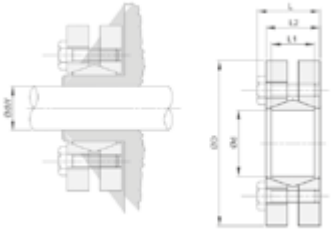

Description	d_w (mm)	D (mm)	L_1 (mm)	L_2 (mm)	L (mm)	Pressure shaft P_W (N/mm²)	Torque M (Nm)	Axial force F (KN)	Screws - description	Screws - number of	Screws - tightening torque Ms (Nm)	Weight (kg)
CE14												
CE14 125	85 90 95	215	42	54	60.4	253	10450 12350 14250	240.0 262.0 285.0	12	M10x40	57.8	8.30
CE14 140	95 100 105	230	46	60.5	68	251	14345 16720 19095	308.0 331.0 357.0	10	M12x45	98	10.00
CE14 155	105 110 115	265	50	64.5	72	250	20900 23750 26600	366.0 392.0 417.0	12	M12x50	98	15.00
CE14 165	115 120 125	290	56	71	81	263	29450 33250 37050	513.0 544.0 564.0	8	M16x55	245	22.00
CE14 175	125 130 135	300	56	71	81	248	34200 38950 45000	576.0 630.0 666.0	8	M16x55	250	22.00

optibelt CE Clamping Bushings
Profile CE16

Description	L_1 (mm)	L_2 (mm)	L_3 (mm)	B (mm)	D_1 (mm)	Trans-withtable torque Mt (Nm)	Axial force F ax. (KN)	Pressure. shaft P_W (N/mm²)	Pressure. hub P_N (N/mm²)	Screws - number of	Screws - descrip-tion	Screws - tigh-tening torque Ms (Nm)	Weight (kg)
CE16													
CE16 14 x 55	17	22	31	39	62	234	33	415	106	4	M8x25	37	0.50
CE16 16 x 55	17	22	31	39	62	268	33	363	106	4	M8x25	37	0.50
CE16 18 x 55	17	22	31	39	62	333	37	357	117	4	M8x25	41	0.50
CE16 19 x 55	17	22	31	39	62	352	37	338	117	4	M8x25	41	0.50
CE16 20 x 55	17	22	31	39	62	370	37	321	117	4	M8x25	41	0.50
CE16 22 x 55	17	22	31	39	62	407	37	292	117	4	M8x25	41	0.50
CE16 24 x 55	17	22	31	39	62	445	37	268	117	4	M8x25	41	0.50
CE16 25 x 55	17	22	31	39	62	463	37	257	117	4	M8x25	41	0.50
CE16 28 x 55	17	22	31	39	62	519	37	229	117	4	M8x25	41	0.40
CE16 30 x 55	17	22	31	39	62	556	37	214	117	4	M8x25	41	0.40
CE16 24 x 65	17	22	31	39	72	556	46	335	124	5	M8x25	41	0.70
CE16 25 x 65	17	22	31	39	72	579	46	321	124	5	M8x25	41	0.70
CE16 28 x 65	17	22	31	39	72	649	46	287	124	5	M8x25	41	0.60
CE16 30 x 65	17	22	31	39	72	695	46	268	124	5	M8x25	41	0.60
CE16 32 x 65	17	22	31	39	72	741	46	251	124	5	M8x25	41	0.60
CE16 35 x 65	17	22	31	39	72	811	46	230	124	5	M8x25	41	0.50
CE16 38 x 65	17	22	31	39	72	880	46	211	124	5	M8x25	41	0.50
CE16 40 x 65	17	22	31	39	72	927	46	201	124	5	M8x25	41	0.50
CE16 30 x 80	20	25	33	41	87	972	65	318	119	7	M8x25	41	1.00
CE16 32 x 80	20	25	33	41	87	1037	65	299	119	7	M8x25	41	1.00
CE16 35 x 80	20	25	33	41	87	1134	65	273	119	7	M8x25	41	1.00
CE16 38 x 80	20	25	33	41	87	1231	65	251	119	7	M8x25	41	1.00
CE16 40 x 80	20	25	33	41	87	1296	65	239	119	7	M8x25	41	0.90
CE16 42 x 80	20	25	33	41	87	1361	65	227	119	7	M8x25	41	0.90
CE16 45 x 80	20	25	33	41	87	1458	65	212	119	7	M8x25	41	0.80
CE16 48 x 80	20	25	33	41	87	1555	65	199	119	7	M8x25	41	0.80
CE16 50 x 80	20	25	33	41	87	1620	65	191	119	7	M8x25	41	0.80

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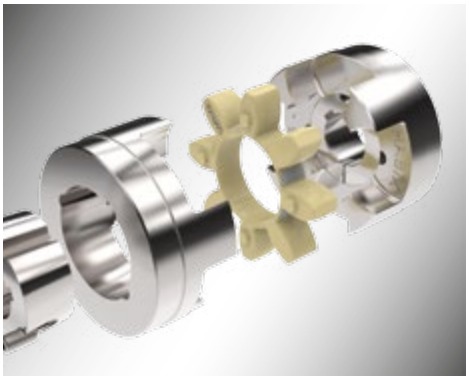

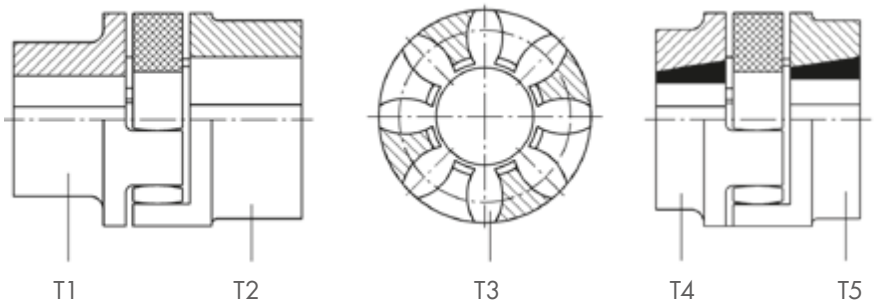

Material	Size	Hub unbored / pre-bored				Hub finished bored*		Hub with TB hole						Coupling star PUR		
		T1		T2		T1	T2	T4			T5			T3		
		Description	€	Description	€	€	€	Description	€	Bush	Description	€	Bush	Description 92 Shore A	Description 98 Shore A	€
Cast iron	19	HWN1-19		HWN2-19										STERNH19	STERNH1998	
	24	HWN1-24		HWN2-24				HWT3-24		1008	HWT4-24		1008	STERNH24	STERNH2498	
	28	HWN1-28		HWN2-28				HWT3-28		1108	HWT4-28		1108	STERNH28	STERNH2898	
	38	HWN1-38		HWN2-38				HWT3-38		1108	HWT4-38		1108	STERNH38	STERNH3898	
	42	HWN1-42		HWN2-42				HWT3-42		1610	HWT4-42		1610	STERNH42	STERNH4298	
	48	HWN1-48		HWN2-48				HWT3-48		1615	HWT4-48		1615	STERNH48	STERNH4898	
	55	HWN1-55		HWN2-55				HWT3-55		2012	HWT4-55		2012	STERNH55	STERNH5598	
	65	HWN1-65		HWN2-65				HWT3-65		2012	HWT4-65		2517	STERNH65	STERNH6598	
	75	HWN1-75		HWN2-75				HWT3-75		2517	HWT4-75		3020	STERNH75	STERNH7598	
	90	HWN1-90		HWN2-90				HWT3-90		3020	HWT4-90		3535	STERNH90	STERNH9098	

* Prices of the finisehd bored hub are only valid for the stock program according to the following list.
Prices for other finished bores see page 5.

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Hub finished bored[1] T1 / HWN1-(Size)

Size bore Ø	HWN1-19	HWN1-24	HWN1-28	HWN1-38	HWN1-42	HWN1-48	HWN1-55	HWN1-65	HWN1-75	HWN1-90
10	*									
11	*									
12	*	*								
14	*	*	*							
15	*	*	*							
16	*	*	*	*						
18	*	*	*	*						
19	*	*	*	*						
20		*	*	*	*					
22		*	*	*	*					
24		*	*	*	*	*				
25			*	*	*	*	*			
28			*	*	*	*	*			
30				*	*	*	*			
32				*	*	*	*	*		
35				*	*	*	*	*	*	
38				*	*	*	*	*	*	
40					*	*	*	*	*	
42					*	*	*	*	*	
45						*	*	*	*	*
48						*	*	*	*	*
50							*	*	*	*
55							*	*	*	*
60								*	*	*
65								*	*	*
70									*	*
75									*	*
80										*
85										*
90										*

Hub finished bored[1] T2 / HWN2-(Size)

Size Bore Ø	HWN2-19	HWN2-24	HWN2-28	HWN2-38	HWN2-42	HWN2-48	HWN2-55	HWN2-65	HWN2-75	HWN2-90
20	*									
22	*									
24	*									
25	*	*								
28		*								
30		*	*							
32		*	*							
35			*							
38			*							
40			*	*						
42				*						
45				*	*					
48				*	*					
50					*	*				
55					*	*				
60						*	*			
65							*			
70							*	*		
75								*		
80									*	

[1] Hub ØH7 keyway DIN 6885/1-JS9, incl. set screw * available stock program

Type HPN

Type HPK

Material	Size	Hub pre-bored H7						Hub finished bored *		Coupling spider PUR	
		HPN			HPK			HPN	HPK	98 Shore A	
		Description	pre-bore Ø	€	Description	pre-bore Ø	€	€	€	Description	€
Alu	**19**	HPN-19	5		HPK-19	5				STERNHP1998	
	24	HPN-24	9		HPK-24	8				STERNHP2498	
	28	HPN-28	11		HPK-28	12				STERNHP2898	
	38	HPN-38	16		HPK-38	13				STERNHP3898	
	48	HPN-48	20		HPK-48	20				STERNHP4898	
	65	HPN-65	29		HPK-65	29				STERNHP6598	

*Prices of the finisehd bored hub are only valid for the stock program according to the following list.
Prices for other finished bores see page 5.

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Hub finished bored[1] HPN-(Size)

Size Bore Ø	HPN-19	HPN-24	HPN-28	HPN-38	HPN-48	HPN-65
10						
11						
12	*					
14	*					
15						
16						
18						
19	*	*				
20		*	*			
22						
24	*	*				
25		*	*	*		
28						
30			*			
32			*	*		
35				*		
38						
40				*	*	*
42						
45						
48						
50						
55					*	
60						
65						

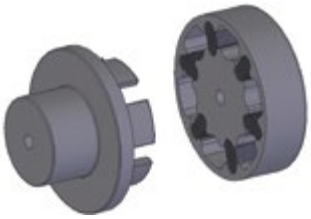
1) Hub ØH7 keyway DIN 6885/1-JS9, with set screw

Hub finished bored[2] HPK-(Size)

Size Bore Ø	HPN-19	HPN-24	HPN-28	HPN-38	HPN-48	HPN-65
10	*					
11						
12	*					
14	*	*				
15						
16	*	*				
18						
19	*					
20	*	*				
22		*				
24	*	*	*			
25		*		*		
28						
30		*	*			
32			*			
35			*	*		
38				*		
40				*	*	
42					*	
45						
48						
50						
55					*	*
60						
65						

2) Hub Ø H7, without keyway

* available stock program



FW

FNW

Type F

Size		Hub Male part un-/pre-bored		Hub Female part un-/pre-bored incl. Perbunan elements		Replacement elements units per coupling	Dimensions	Perbunan	
		Description	€	Description	€		mm	Description	€
FW 2-part	1	F1K		F1PT		3	20 x 20 x 10	P20X20X10	
	2	F2K		F2PT		4	20 x 20 x 10	P20X20X10	
	3	F3K		F3PT		5	20 x 20 x 10	P20X20X10	
	4	F4K		F4PT		5	20 x 20 x 10	P20X20X10	
	5	F5K		F5PT		6	25 x 20 x 12	P25X20X12	
	6	F6K		F6PT		6	36 x 25 x 15	P36X25X15	
	7	F7K		F7PT		7	36 x 25 x 15	P36X25X15	
	8	F8K		F8PT		7	45 x 30 x 20	P45X30X20	
	9	F9A		F9PT		8	45 x 30 x 20	P45X30X20	
	9a	F9AK		F9APT		8	60 x 40 x 25	P60X40X25	
	10	F10K		F10PT		8	60 x 40 x 25	P60X40X25	
	10a	*	*	*	*	10	60 x 40 x 25	P60X40X25	
	11	*	*	*	*	10	60 x 40 x 25	P60X40X25	
	12	*	*	*	*	8	80 x 60 x 30	P80X60X30	
	13	*	*	*	*	8	80 x 60 x 30	P80X60X30	
FNW 3-part	6	FN6		F6PT		6	36 x 25 x 15	P36X25X15	
	7	FN7		F7PT		7	36 x 25 x 15	P36X25X15	
	8	FN8		F8PT		7	45 x 30 x 20	P45X30X20	
	9	FN9		F9PT		8	45 x 30 x 20	P45X30X20	
	9a	*	*	F9APT		8	60 x 40 x 25	P60X40X25	
	10	*	*	F10PT		8	60 x 40 x 25	P60X40X25	
	10a	*	*	*	*	10	60 x 40 x 25	P60X40X25	
	11	*	*	*	*	10	60 x 40 x 25	P60X40X25	
	12	*	*	*	*	8	80 x 60 x 30	P80X60X30	
	13	*	*	*	*	8	80 x 60 x 30	P80X60X30	
	14	*	*	*	*	8	80 x 60 x 30	P80X60X30	
	15	*	*	*	*	8	80 x 60 x 30	P80X60X30	
	16	*	*	*	*	8	110 x 80 x 40	P110X80X40	

Finished bored see table page 5

*on request

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TX 03

XW1

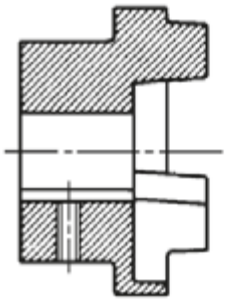
Type TX for taper bushings

Size		Bush No.	Hub without bush		Coupling spider PUR		
			Description	€	Description 92 Shore A	Description 98 Shore A	€
TX 03	28	1108	TX01 28H		STERNTX 28	ADITX 28	
	42	1610	TX01 42H		STERNTX 42	ADITX 42	
	60	2517	TX01 60H		STERNTX 60	ADITX 60	
	75	3020	TX01 75H		STERNTX 75	ADITX 75	
	90	3535	TX01 90H		STERNTX 90	ADITX 90	
	110	4545	TX01 110H		STERNTX 110	ADITX 110	

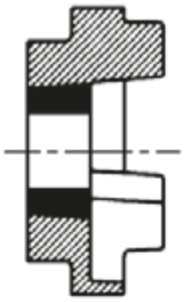
Type XW

Size		Hub unbored / pre-bored		Coupling spider PUR		
		Description	€	92 Shore A	98 Shore A	€
XW 1	24	X1 24H		STERN 24	ADI 24	
	28	X1 28H		STERN 28	ADI 28	
	32	X1 32H		STERN 32	ADI 32	
	38	X1 38H		STERN 38	ADI 38	
	42	X1 42H		STERN 42	ADI 42	
	48	X1 48H		STERN 48	ADI 48	
	55	X1 55H		STERN 55	ADI 55	
	60	X1 60H		STERN 60	ADI 60	
	65	X1 65H		STERN 65	ADI 65	
	75	X1 75H		STERN 75	ADI 75	
	85	X1 85H		STERN 85	ADI 85	
	100	X1 100H		STERN 100	ADI 100	
	110	X1 110H		STERN 110	ADI 110	
	125	X1 125H		STERN 125	ADI 125	
	140	X1 140H		STERN 140	ADI 140	
	160	X1 160H		STERN 160	ADI 160	

Finished bored see table page 5



B



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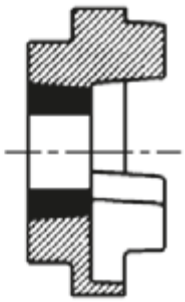

H

Size	B-Flange pre-bored		F-Flange			H-Flange			Coupling spider NBR 80 Shore A	
	Description	€	Description	€	Bush	Description	€	Bush	Description	€
70	HRC 70B		HRC 70F		1008	HRC 70H		1008	STERNHRC 70	
90	HRC 90B		HRC 90F		1108	HRC 90H		1108	STERNHRC 90	
110	HRC 110B		HRC 110F		1610	HRC 110H		1610	STERNHRC 110	
130	HRC 130B		HRC 130F		1610	HRC 130H		1610	STERNHRC 130	
150	HRC 150B		HRC 150F		2012	HRC 150H		2012	STERNHRC 150	
180	HRC 180B		HRC 180F		2517	HRC 180H		2517	STERNHRC 180	
230	HRC 230B		HRC 230F		3020	HRC 230H		3020	STERNHRC 230	
280	HRC 280B		HRC 280F		3525	HRC 280H		3525	STERNHRC 280	

Finished bored see table page 5
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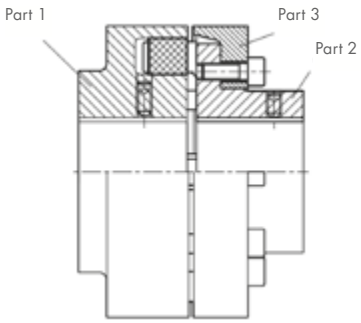
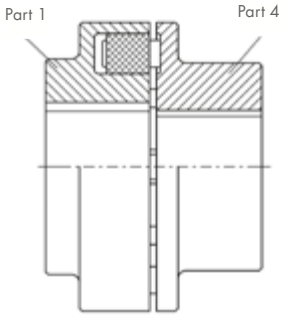


Type A



Type B

Size	Hub unbored / pre-bored						Elastomer buffer made of NBR		
	Part 1 incl. elements 80 Shore A		Part 2+3		Part 4		Set 80 Shore A		Units per set
	Description	€	Description	€	Description	€	Description	€	
58	DP 58PT				DP 58KB		PDP 58		4
68	DP 68PT				DP 68KB		PDP 68		5
80	DP 80PT				DP 80KB		PDP 80		6
95	DP 95PT				DP 95KB		PDP 95		6
110	DP 110PT		DP 110KA		DP 110KB		PDP 110		6
125	DP 125PT		DP 125KA		DP 125KB		PDP 125		6
140	DP 140PT		DP 140KA		DP 140KB		PDP 140		6
160	DP 160PT		DP 160KA		DP 160KB		PDP 160		7
180	DP 180PT		DP 180KA		DP 180KB		PDP 180		8
200	DP 200PT		DP 200KA		DP 200KB		PDP 200		8
225	DP 225PT		DP 225KA		DP 225KB		PDP 225		8
250	DP 250PT		DP 250KA		DP 250KB		PDP 250		8
280							PDP 280		8
315							PDP 315		9
350							PDP 350		9
400							PDP 400		10
440							PDP 440		10
480							PDP 480		10
520							PDP 520		10
560							PDP 560		10

* on request

Finished bored see table page 5

Size 105 up to 360

Size 400 up to 2000

Type WN (Type WS on request)

Size	Female hub with holes		Male Hub incl. Buffer + Bolts		Buffer + Bolts		Replacement buffer			
	un-/ pre-bored		un-/ pre-bored				Units per coupling	Dimensions	Perbunan	
	Description	€	Description	€	Description	€		D x d x lg	Description	€
105	WN 105L		WN 105B		PBO20		8	20 x 8 x 19	PO20	
125	WN 125L		WN 125B		PBO24		8	24 x 10 x 22	PO24	
144	WN 144L		WN 144B		PBO24		10	24 x 10 x 22	PO24	
162	WN 162L		WN 162B		PBO30		9	30 x 12 x 27	PO30	
178	WN 178L		WN 178B		PBO30		10	30 x 12 x 27	PO30	
198	WN 198L		WN 198B		PBO30		12	30 x 12 x 27	PO30	
228	WN 228L		WN 228B		PBO40		11	40 x 16 x 33	PO40	
252	WN 252L		WN 252B		PBO40		12	40 x 16 x 33	PO40	
285	WN 285L		WN 285B		PBO48		11	48 x 20 x 41	PO48	
320	WN 320L		WN 320B		PBO48		12	48 x 20 x 41	PO48	
360	WN 360L		WN 360B		PBO64		10	64 x 25 x 51	PO64	
400					PBO64		14	64 x 25 x 51	PO64	
450					PBO78		12	78 x 32 x 63	PO78	
500					PBO78		14	78 x 32 x 63	PO78	
560					PBO101		12	101 x 42 x80	PO101	
630					PBO101		14	101 x 42 x80	PO101	
710					PBO120		14	120 x 50 x96	PO120	
800					PBO120		16	120 x 50 x96	PO120	
900										
1000										
1120										
1250										
1400										
1600										
1800										
2000										

Finished bored see table page 5
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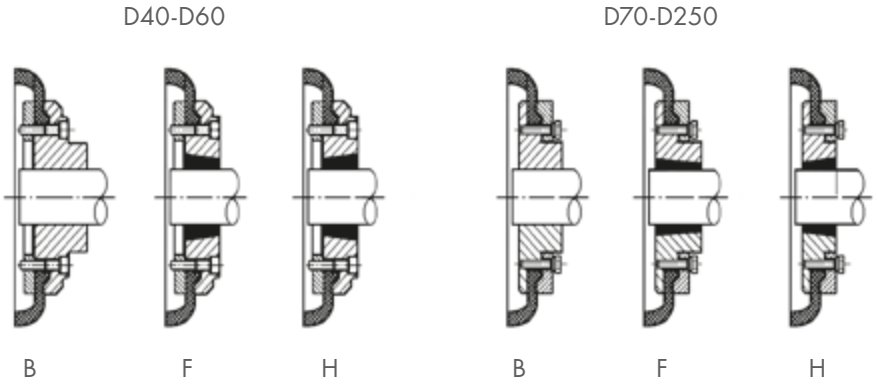

Size	B-Flange pre-bored		F-Flange		H-Flange		Tyres natural rubber		Tyres Chloroprene FRAS	
	Description	€	Description	€	Description	€	Description	€	Description	€
D 40	D 40B		D 40F		D 40H		R 40		R 40F	
D 50	D 50B		D 50F		D 50H		R 50		R 50F	
D 60	D 60B		D 60F		D 60H		R 60		R 60F	
D 70	D 70B		D 70F		D 70H		R 70		R 70F	
D 80	D 80B		D 80F		D 80H		R 80		R 80F	
D 90	D 90B		D 90F		D 90H		R 90		R 90F	
D 100	D 100B		D 100F		D 100H		R 100		R 100F	
D 110	D 110B		D 110F		D 110H		R 110		R 110F	
D 120	D 120B		D 120F		D 120H		R 120		R 120F	
D 140	D 140B		D 140F		D 140H		R 140		R 140F	
D 160	D 160B		D 160F		D 160H		R 160		R 160F	
D 180	D 180B		D 180F		D 180H		R 180		R 180F	
D 200	D 200B		D 200F		D 200H		R 200		R 200F	
D 220	D 220B		D 220F		D 220H		R 220		R 220F	
D 250	D 250B						R 250		R 250F	

Finished bored see table page 5

GC

GC-Eco

Type	Size	Couplings pre-bored	
		Description	€
GC	50	GC 50	
	65	GC 65	
	75	GC 75	
	100	GC 100	
	120	GC 120	
	135	GC 135	
	150	GC 150	
	165	GC 165	
	190	GC 190	
GC-Eco	52	GCE 52	
	62	GCE 62	
	78	GCE 78	
	98	GCE 98	
	112	GCE 112	
	132	GCE 132	
	156	GCE 156	
	174	GCE 174	
	190	GCE 190	
	210	GCE 210	
	233	GCE 233	
	280	GCE 280	

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MWK

Type MWK (Typ MWH on request)

Type	Size	Aluminium pre-bored		Stainless steel pre-bored		Steel pre-bored	
		Description	€	Description	€	Description	€
MWK pre-bored	18	MWKA 18		MWKE 18			
	20	MWKA 20		MWKE 20			
	22	MWKA 22		MWKE 22			
	25	MWKA 25		MWKE 25			
	30	MWKA 30		MWKE 30			
	40	MWKA 40		MWKE 40			
	50	MWKA 50		MWKE 50			
	60	MWKA 60				MWKS 60	
	70	MWKA 70				MWKS 70	
	80	MWKA 80				MWKS 80	

* on request

Finished bored see table page 5

1-piece design

2-piece design

Size	Clamp Coupling 1-piece design (without keyway)				Clamp coupling 2-piece design (without keyway)			
Bore	Steel black-oxided		Stainless steel blank		Steel black-oxided		Stainless steel blank	
D1 +0.05	Description	€	Description	€	Description	€	Description	€
10	CC1 10S		CC1 10SS		CC2 10S		CC2 10SS	
12	CC1 12S		CC1 12SS		CC2 12S		CC2 12SS	
14	CC1 14S		CC1 14SS		CC2 14S		CC2 14SS	
15	CC1 15S		CC1 15SS		CC2 15S		CC2 15SS	
16	CC1 16S		CC1 16SS		CC2 16S		CC2 16SS	
19	CC1 19S		CC1 19SS		CC2 19S		CC2 19SS	
20	CC1 20S		CC1 20SS		CC2 20S		CC2 20SS	
25	CC1 25S		CC1 25SS		CC2 25S		CC2 25SS	
30	CC1 30S		CC1 30SS		CC2 30S		CC2 30SS	

on request: Other dimensions, design with keyway according to DIN 6885

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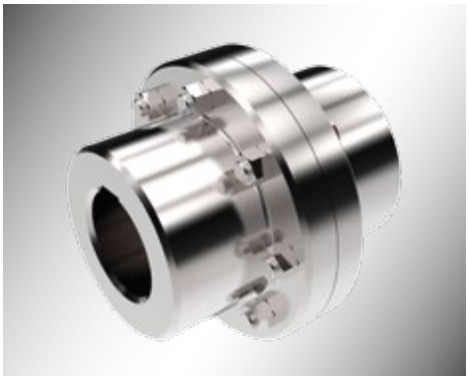
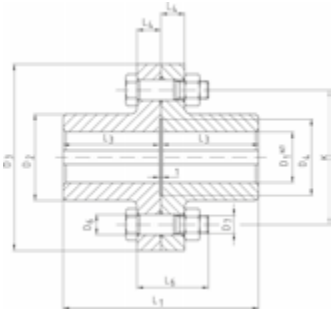
Bore	Cast iron form A with keyway	
Ø d1	Description	€
20	115 A20N	
25	115 A25N	
30	115 A30N	
35	115 A35N	
40	115 A40N	
45	115 A45N	
50	115 A50N	
55	115 A55N	
60	115 A60N	
65	115 A65N	
70	115 A70N	
75[1]	115 A75N	
80	115 A80N	
90	115 A90N	
100	115 A100N	
110	115 A110N	

[1] not included in DIN 115. Bore tolerance zone: d1 20 to 50: V7; d1 55 to 125: U7.





Form A

Bore	Cast Iron form A	
Ø D1^{N7}	Description	€
25	116 A25	
30	116 A30	
35	116 A35	
40	116 A40	
45	116 A45	
50	116 A50	
55	116 A55	
60	116 A60	
70	116 A70	
80	116 A80	
90	116 A90	
100	116 A100	

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