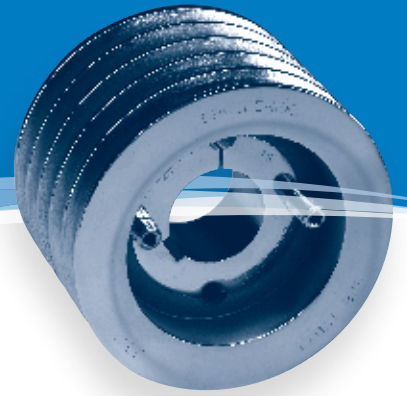


Pulleys



General Information

Material and Groove Specifications:

Challenge pulleys are manufactured from fine grain grey cast iron grade GG25 and are phosphated. Groove dimensions conform to ISO 4183 for both eccentricity of outside diameter to bore and groove side wobble tolerance.

They are suitable for use with all wedge belts according to ISO 4184 and all classical V-belts according to ISO 4184.

Circumferential Speeds:

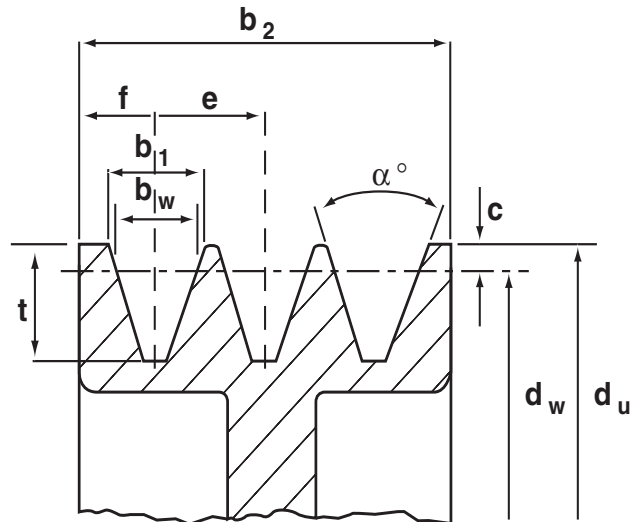
Circumferential speeds of up to 40 m/s are permissible

Balancing Specifications:

All Challenge pulleys are balanced to grade Q6.3 or better.

- Pulleys with a weight of 100kg and above are dynamically balanced (two planes).
- All pulleys with a weight less than 100kg are statically machine balanced (one plane).

V-belt Pulleys ISO 4183

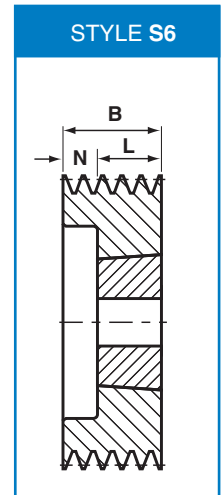
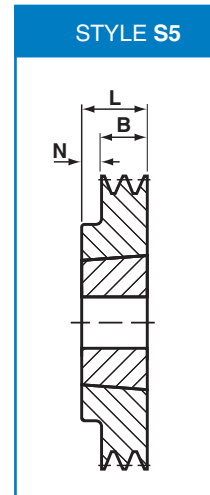
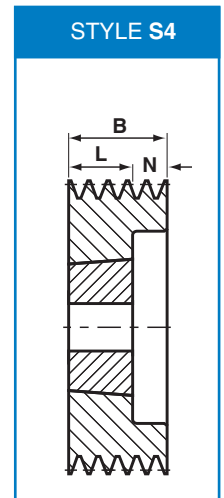
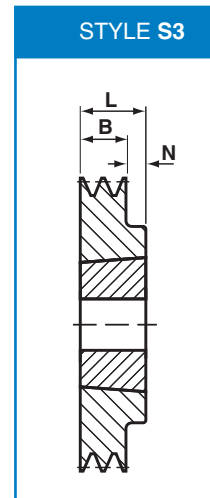


Profile	dw (mm)	α°	b1	bw	c	f	e	tmin
SPZ	Up to 80	34	9.7	8.5	2.0	8±0.3	12±0.3	11+0.6
	Over 80	38						
SPA	Up to 118	34	12.7	11.0	2.8	10±0.3	15±0.3	14+0.6
	Over 118	38						
SPB	Up to 190	34	16.3	14.0	3.5	12.5±0.4	19±0.4	18+0.6
	Over 190	38						
SPC	Up to 315	34	22.0	19.0	4.8	17±0.5	25.5±0.5	24+0.6
	Over 315	38						

Width of Pulleys, b

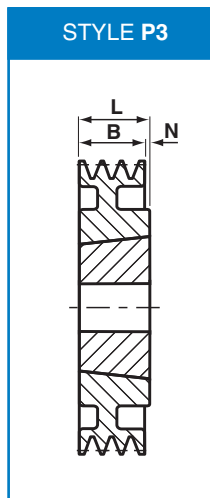
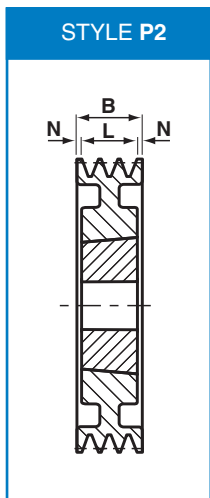
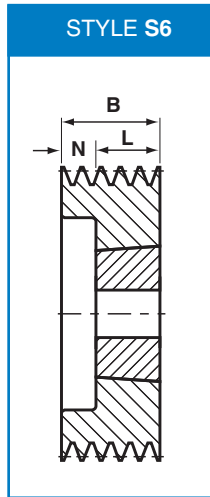
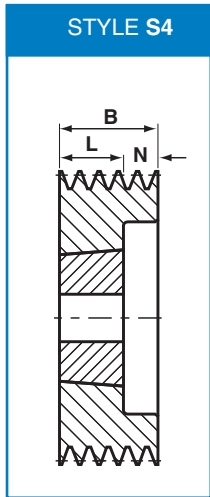
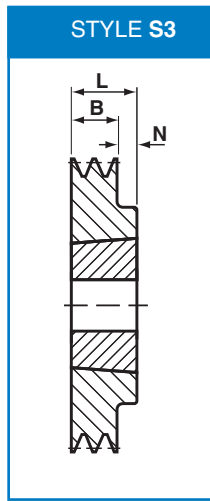
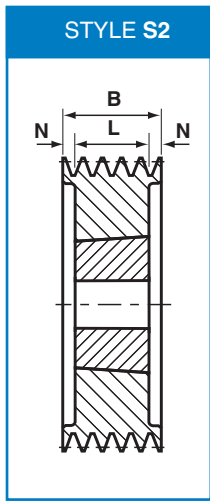
No. of Grooves	1	2	3	4	5	6	8	10
SPZ	16	28	40	52	64	76	100	-
SPA	20	35	50	65	80	95	-	-
SPB	25	44	63	82	101	120	158	196
SPC	-	-	85	110.5	136	161.5	212.5	263.5

Pitch Dia. dw	Outside Dia. du	Groove No.	Bush Size	Max Bore	Pulley Config. & Style	Rim Width B	L	N	Mass kg
56	60	1	1008	25	S3	16	23	21	0.5
56	60	2	1108	28	S3	28	23	21	0.5
60	64	1	1008	25	S3	16	23	7	0.3
60	64	2	1108	28	S3	28	23	21	0.7
63	67	1	1108	28	S3	16	23	7	0.3
63	67	2	1108	28	S6	28	23	5	0.3
63	67	3	1108	28	S6	40	23	17	0.5
67	71	1	1108	28	S3	16	23	7	0.3
67	71	2	1108	28	S6	28	23	5	0.4
67	71	3	1108	28	S6	40	23	17	0.6
71	75	1	1108	28	S3	16	23	7	0.4
71	75	2	1108	28	S6	28	23	5	0.5
71	75	3	1108	28	S6	40	23	17	0.6
71	75	4	1108	28	S6	52	23	29	0.8
75	79	1	1108	28	S3	16	23	7	0.4
75	79	2	1210	32	S6	28	26	2	0.6
75	79	3	1210	32	S6	40	26	14	0.6
75	79	4	1210	32	S6	52	26	27	0.9
80	84	1	1210	32	S3	16	26	10	0.5
80	84	2	1210	32	S6	28	26	2	0.6
80	84	3	1210	32	S6	40	26	14	0.8
80	84	4	1210	32	S6	52	26	26	0.9
85	89	1	1210	32	S3	16	26	10	0.6
85	89	2	1610	42	S6	28	26	2	0.7
85	89	3	1610	42	S6	40	26	14	0.8
85	89	4	1610	42	S6	52	26	26	0.9
85	89	5	1610	42	S6	64	26	38	1.3
90	94	1	1210	32	S3	16	26	10	0.7
90	94	2	1610	42	S6	28	26	2	0.7
90	94	3	1610	42	S6	40	26	14	0.9
90	94	4	1610	42	S6	52	26	26	1.1
90	94	5	1610	42	S6	64	26	38	1.4
90	94	6	1610	42	S6	76	26	50	1.6
95	99	1	1210	32	S3	16	26	10	0.8
95	99	2	1610	42	S6	28	26	2	0.8
95	99	3	1610	42	S6	40	26	14	1.1
95	99	4	1610	42	S6	52	26	26	1.3
95	99	5	1610	42	S6	64	26	38	1.6
95	99	6	1610	42	S6	76	26	50	1.8
100	104	1	1210	32	S3	16	26	10	0.8
100	104	2	1610	42	S6	28	26	2	1.0
100	104	3	1610	42	S6	40	26	14	1.2
100	104	4	1610	42	S6	52	26	26	1.4
100	104	5	2012	50	S6	64	32	32	1.6
100	104	6	2012	50	S6	76	32	44	1.9
106	110	1	1610	42	S3	16	26	10	0.9
106	110	2	1610	42	S6	28	26	2	1.2
106	110	3	1610	42	S6	40	26	14	1.4
106	110	4	1610	42	S6	52	26	26	1.6
106	110	5	2012	50	S6	64	32	32	1.9
106	110	6	2012	50	S6	76	32	44	2.2
112	116	1	1610	42	S3	16	26	10	1.0
112	116	2	1610	42	S6	28	26	2	1.4
112	116	3	2012	50	S6	40	32	8	1.5
112	116	4	2012	50	S6	52	32	20	1.7
112	116	5	2012	50	S6	64	32	32	2.2
112	116	6	2012	50	S6	76	32	44	2.5
118	122	1	1610	42	S3	16	26	10	1.1
118	122	2	1610	42	S6	28	26	2	1.6
118	122	3	2012	50	S6	40	32	8	1.7
118	122	4	2012	50	S4	52	32	20	2.0
118	122	5	2012	50	S6	64	32	32	2.3
118	122	6	2517	65	S6	76	45	31	2.5



Pulley Configuration: S=Solid, P=Plate, A=Arm.
= lightening holes

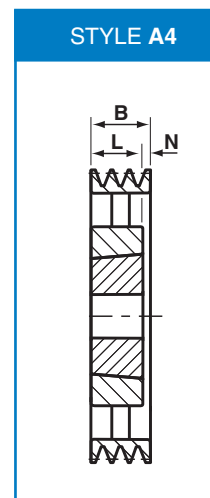
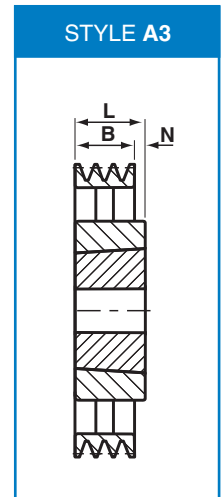
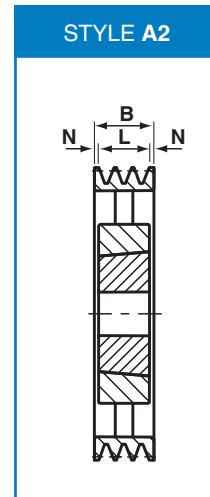
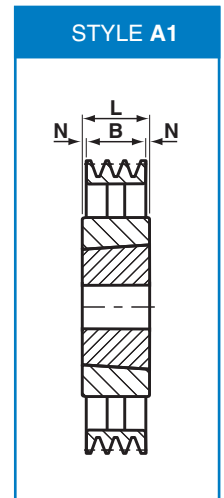
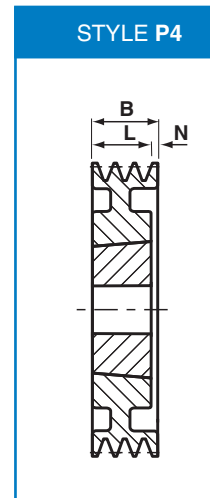
SPZ



Pitch Dia. dw	Outside Dia. du	Groove No.	Bush Size	Max Bore	Pulley Config. & Style	Rim Width B	L	N	Mass kg
125	129	1	1610	42	S3	16	26	10	1.2
125	129	2	1610	42	S6	28	26	2	1.8
125	129	3	2012	50	S6	40	32	8	2.1
125	129	4	2012	50	S4	52	32	20	2.3
125	129	5	2012	50	S6	64	32	32	2.7
125	129	6	2517	65	S6	76	45	31	3.0
132	136	1	1610	42	S3	16	26	10	1.4
132	136	2	1610	42	S6	28	26	2	2.1
132	136	3	2012	50	S6	40	32	8	2.4
132	136	4	2012	50	S6	52	32	20	2.7
132	136	5	2517	65	S6	64	45	19	3.2
132	136	6	2517	65	S6	76	45	31	3.5
140	144	1	1610	42	P3	16	26	10	1.6
140	144	2	1610	42	S6	28	26	2	2.4
140	144	3	2012	50	S4	40	32	8	2.8
140	144	4	2012	50	S4	52	32	20	3.2
140	144	5	2517	65	S4	64	45	19	3.5
140	144	6	2517	65	S4	76	45	31	3.9
150	154	1	1610	42	P3	16	26	10	1.9
150	154	2	2012	50	S3	28	32	4	2.6
150	154	3	2012	50	S4	40	32	8	3.4
150	154	4	2517	65	S4	52	45	7	3.9
150	154	5	2517	65	S4	64	45	19	4.3
150	154	6	2517	65	S4	76	45	31	4.7
160	164	1	1610	42	P3	16	26	10	2.1
160	164	2	2012	50	S3	28	32	4	3.1
160	164	3	2012	50	S4	40	32	8	3.9
160	164	4	2517	65	S4	52	45	7	4.7
160	164	5	2517	65	S4	64	45	19	5.1
160	164	6	2517	65	S4	76	45	31	5.5
170	174	1	1610	42	P3	16	26	10	1.7
170	174	2	2012	50	P3	28	32	4	3.4
170	174	3	2012	50	P4	40	32	8	4.3
170	174	4	2517	65	S4	52	45	7	5.4
170	174	5	2517	65	S4	64	45	19	6.1
170	174	6	2517	65	S4	76	45	31	6.7
180	184	1	1610	42	P3	16	26	10	1.8
180	184	2	2012	50	P3	28	32	4	2.7
180	184	3	2012	50	P4	40	32	8	3.3
180	184	4	2517	65	S4	52	45	7	6.5
180	184	5	2517	65	S4	64	45	19	6.9
180	184	6	2517	65	S4	76	45	31	7.3
190	194	1	1610	42	P3	16	26	10	2.5
190	194	2	2012	50	P3	28	32	4	3.2
190	194	3	2012	50	P4	40	32	8	5.1
190	194	4	2517	65	P4	52	45	7	5.5
190	194	5	2517	65	S2	64	45	9.5	6.5
190	194	6	2517	65	S2	76	45	15.5	7.2
190	194	8	2517	65	S2	100	45	27.5	8.5
200	204	1	2012	50	P3	16	32	16	3.2
200	204	2	2012	50	P3	28	32	4	3.4
200	204	3	2012	50	P4	40	32	8	3.6
200	204	4	2517	65	P4	52	45	7	5.4
200	204	5	2517	65	P2	64	45	9.5	6.1
200	204	6	2517	65	P2	76	45	15.5	6.6
200	204	8	2517	65	P2	100	45	27.5	9.6
224	228	1	2012	50	A3	16	32	16	2.8
224	228	2	2012	50	P3#	28	32	4	3.5
224	228	3	2012	50	P4#	40	32	8	4.2
224	228	4	2517	65	P4#	52	45	7	6.3
224	228	5	2517	65	P2	64	45	9.5	7.0
224	228	6	2517	65	P2#	76	45	15.5	7.6
224	228	8	2517	65	P2	100	45	27.5	12.3

Pulley Configuration: S=Solid, P=Plate, A=Arm.
= lightening holes

Pitch Dia. dw	Outside Dia. du	Groove No.	Bush Size	Max Bore	Pulley Config. & Style	Rim Width B	L	N	Mass kg
250	254	1	2012	50	A3	16	32	16	3.2
250	254	2	2012	50	A3	28	32	4	3.9
250	254	3	2012	50	A4	40	32	8	4.7
250	254	4	2517	65	P4#	52	45	7	6.8
250	254	5	2517	65	P2#	64	45	9.5	8.1
250	254	6	2517	65	P2#	76	45	15.5	8.3
250	254	8	2517	65	P2#	100	45	27.5	10.2
280	284	1	2012	50	A1	16	32	8	4.6
280	284	2	2012	50	A3	28	32	4	5.4
280	284	3	2517	65	A3	40	45	5	7.3
280	284	4	2517	65	A4	52	45	7	8.1
280	284	5	2517	65	A2	64	45	9.5	9.8
280	284	6	2517	65	A2	76	45	15.5	9.9
280	284	8	2517	65	A2	100	45	27.5	11.2
315	319	1	2012	50	A1	16	32	8	5.8
315	319	2	2012	50	A3	28	32	4	6.4
315	319	3	2517	65	A3	40	45	5	8.3
315	319	4	2517	65	A4	52	45	7	9.2
315	319	5	2517	65	A2	64	45	9.5	11.0
315	319	6	2517	65	A2	76	45	15.5	11.5
315	319	8	2517	65	A2	100	45	27.5	13.9
355	359	1	2012	50	A1	16	32	8	4.0
355	359	2	2012	50	A3	28	32	4	6.5
355	359	3	2517	65	A3	40	45	5	8.9
355	359	4	2517	65	A4	52	45	7	9.5
355	359	5	2517	65	A2	64	45	9.5	14.8
355	359	6	2517	65	A2	76	45	15.5	14.8
355	359	8	3030	75	A2	100	45	27.5	17.0
400	404	1	2012	50	A1	16	32	8	6.0
400	404	2	2517	65	A3	28	45	17	8.8
400	404	3	2517	65	A3	40	45	5	10.5
400	404	4	2517	65	A4	52	45	7	11.5
400	404	5	3020	75	A2	64	52	6	13.8
*400	404	6	3030	75	A3	76	77	1	17.6
*400	404	8	3030	75	A2	100	77	12	19.0
450	454	2	2517	65	A1	28	45	8.5	11.1
450	454	3	2517	65	A3	40	45	5	11.6
450	454	4	3020	75	A2	52	52	-	11.7
450	454	5	3020	75	A2	64	52	6	18.0
450	454	6	3030	75	A3	76	77	1	21.6
450	454	8	3030	75	A2	100	77	12	22.6
500	504	2	2517	65	A1	28	45	8.5	12.2
500	504	3	2517	65	A3	40	45	5	10.1
500	504	4	3020	75	A2	52	52	-	12.4
500	504	5	3030	75	A1	64	77	6.5	22.3
500	504	6	3030	75	A3	76	77	1	24.5
500	504	8	3030	75	A2	100	77	11.5	28.0
560	564	3	2517	65	A3	40	45	5	16.0
630	634	3	2517	65	A3	40	45	5	17.4
630	634	4	3030	75	A1	52	77	12.5	24.0
630	634	5	3030	75	A1	64	77	6.5	27.6
630	634	6	3535	90	A1	76	89	6.5	33.0
630	634	8	3535	90	A2	100	89	5.5	40.0
*800	804	4	3030	75	A1	52	77	12.5	28.4
*800	804	5	3535	90	A2	64	89	12.5	33.1
*800	804	6	3535	90	A2	76	89	6.5	40.6
*800	804	8	3535	90	A2	100	89	5.5	43.6

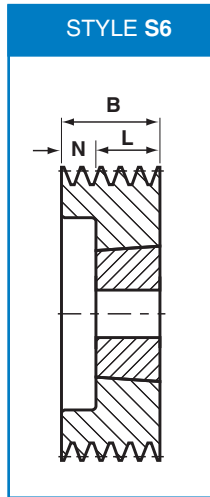
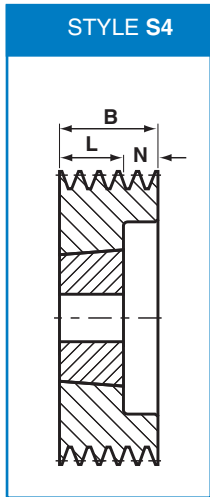
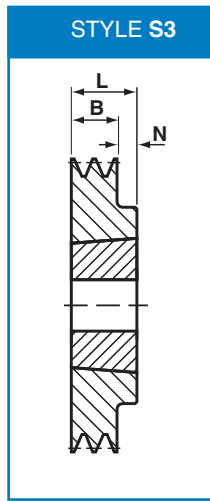
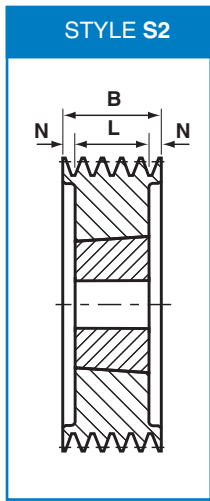


Pulley Configuration: S=Solid, P=Plate, A=Arm.

= lightening holes

* = Not stocked, available to order

SPA

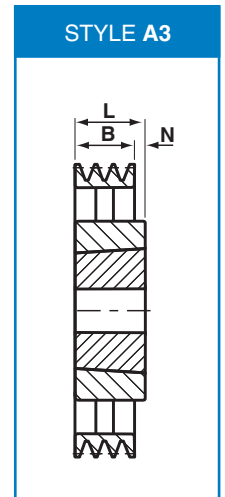
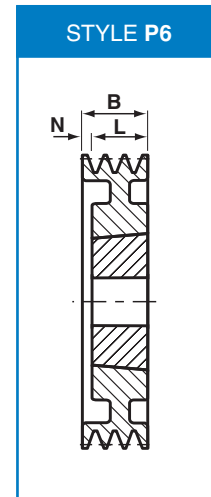
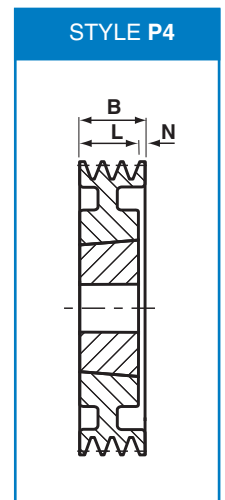
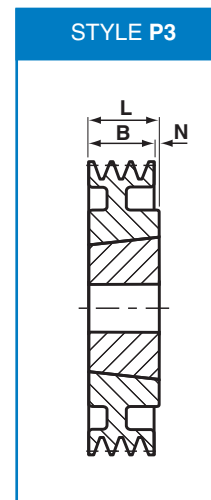


Pitch Dia. dw	Outside Dia. du	Groove No.	Bush Size	Max Bore	Pulley Config. & Style	Rim Width B	L	N	Mass kg
63	68.5	1	1108	28	S3	20	23	21.0	0.6
63	68.5	2	1108	28	S3	35	23	12.0	0.8
67	72.5	1	1108	28	S3	20	23	3.0	0.4
67	72.5	2	1108	28	S6	35	23	12.0	0.6
71	76.5	1	1108	28	S3	20	23	3.0	0.4
71	76.5	2	1108	28	S6	35	23	12.0	0.6
71	76.5	3	1108	28	S6	50	23	27.0	0.8
75	80.5	1	1108	28	S3	20	23	3.0	0.5
75	80.5	2	1108	28	S6	35	23	12.0	0.6
75	80.5	3	1108	28	S6	50	23	27.0	0.8
80	85.5	1	1210	32	S3	20	26	6.0	0.6
80	85.5	2	1210	32	S6	35	26	9.0	0.6
80	85.5	3	1210	32	S6	50	26	24.0	0.9
85	90.5	1	1210	32	S3	20	26	6.0	0.6
85	90.5	2	1210	32	S6	35	26	9.0	0.7
85	90.5	3	1210	32	S6	50	26	24.0	1.1
90	95.5	1	1210	32	S3	20	26	6.0	0.8
90	95.5	2	1610	42	S6	35	26	9.0	0.8
90	95.5	3	1610	42	S6	50	26	24.0	1.1
90	95.5	4	1615	42	S6	65	38	27.0	1.4
90	95.5	5	1615	42	S6	80	38	42.0	1.6
95	100.5	1	1210	32	S3	20	26	6.0	0.9
95	100.5	2	1610	42	S6	35	26	9.0	0.9
95	100.5	3	1610	42	S6	50	26	24.0	1.3
95	100.5	4	1615	42	S6	65	38	27.0	1.7
95	100.5	5	1615	42	S6	80	38	42.0	1.9
100	105.5	1	1610	42	S3	20	26	6.0	0.9
100	105.5	2	1610	42	S6	35	26	9.0	1.1
100	105.5	3	1610	42	S6	50	26	24.0	1.4
100	105.5	4	1615	42	S6	65	38	27.0	1.9
100	105.5	5	1615	42	S6	80	38	42.0	2.0
100	105.5	6	1615	42	S6	95	38	57.0	2.4
106	111.5	1	1610	42	S3	20	26	6.0	0.9
106	111.5	2	1610	42	S6	35	26	9.0	1.2
106	111.5	3	1610	42	S6	50	26	24.0	1.6
106	111.5	4	2012	50	S6	65	32	33.0	1.9
106	111.5	5	2012	50	S6	80	32	48.0	2.3
106	111.5	6	2012	50	S6	95	32	63.0	2.6
112	117.5	1	1610	42	S3	20	26	6.0	1.0
112	117.5	2	1610	42	S6	35	26	9.0	1.4
112	117.5	3	2012	50	S6	50	32	18.0	1.8
112	117.5	4	2012	50	S6	65	32	33.0	2.2
112	117.5	5	2012	50	S6	80	32	48.0	2.6
112	117.5	6	2012	50	S6	95	32	63.0	2.7
118	123.5	1	1610	42	S3	20	26	6.0	1.2
118	123.5	2	1610	42	S6	35	26	9.0	1.6
118	123.5	3	2012	50	S6	50	32	18.0	2.1
118	123.5	4	2012	50	S6	65	32	33.0	2.5
118	123.5	5	2012	50	S4	80	32	48.0	2.8
118	123.5	6	2012	50	S4	95	32	63.0	2.9
125	130.5	1	1610	42	S3	20	26	6.0	1.4
125	130.5	2	1610	42	S4	35	26	10.0	1.9
125	130.5	3	2012	50	S4	50	32	18.0	2.3
125	130.5	4	2012	50	S4	65	32	33.0	2.8
125	130.5	5	2012	50	S2	80	32	24.0	3.3
125	130.5	6	2012	50	S2	95	32	31.5	3.8
132	137.5	1	1610	42	S3	20	26	6.0	1.6
132	137.5	2	2012	50	S4	35	32	3.0	2.2
132	137.5	3	2012	50	S4	50	32	18.0	2.7
132	137.5	4	2517	65	S4	65	45	20.0	3.2
132	137.5	5	2517	65	S2	80	45	17.5	3.8
132	137.5	6	2517	65	S2	95	45	25.0	3.8

Pulley Configuration: S=Solid, P=Plate, A=Arm.
= lightening holes

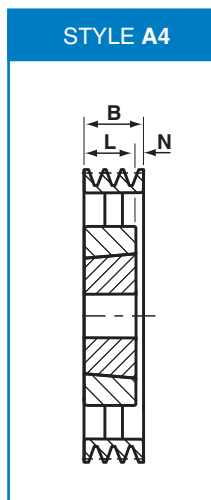
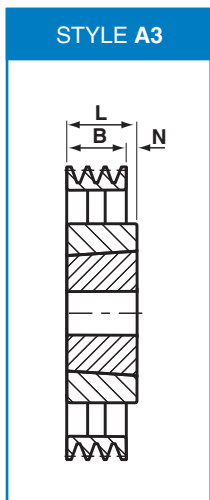
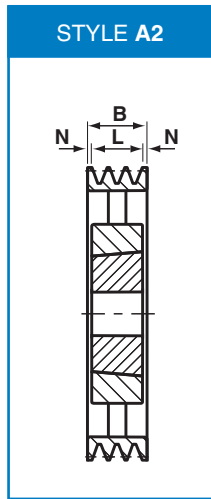
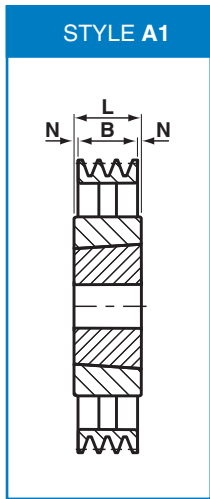
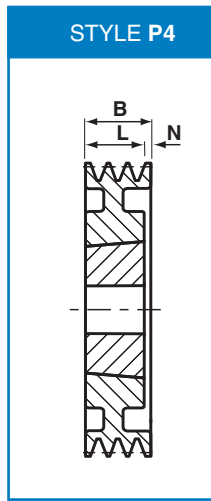
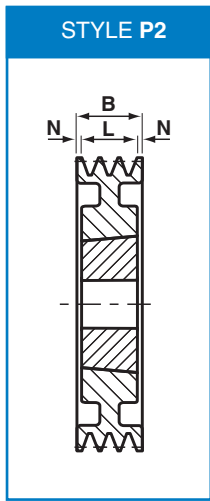
All dimensions in millimetres unless otherwise stated. Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused

Pitch Dia. dw	Outside Dia. du	Groove No.	Bush Size	Max Bore	Pulley Config. & Style	Rim Width B	L	N	Mass kg
140	145.5	1	1610	42	S3	20	26	6.0	1.8
140	145.5	2	2012	50	S6	35	32	3.0	2.6
140	145.5	3	2517	65	S4	50	45	5.0	3.0
140	145.5	4	2517	65	S4	65	45	20.0	3.6
140	145.5	5	2517	65	S2	80	45	17.5	4.1
140	145.5	6	2517	65	S2	95	45	25.0	4.1
150	155.5	1	1610	42	S3	20	26	6.0	2.2
150	155.5	2	2012	50	S6	35	32	3.0	3.1
150	155.5	3	2517	65	S4	50	45	5.0	3.7
150	155.5	4	2517	65	S4	65	45	20.0	4.3
150	155.5	5	2517	65	S2	80	45	17.5	4.9
150	155.5	6	2517	65	S2	95	45	25.0	5.7
160	165.5	1	1610	42	P3	20	26	6.0	2.5
160	165.5	2	2012	50	S6	35	32	3.0	3.8
160	165.5	3	2517	65	S4	50	45	5.0	4.5
160	165.5	4	2517	65	S4	65	45	20.0	5.1
160	165.5	5	2517	65	S2	80	45	17.5	5.8
160	165.5	6	2517	65	S2	95	45	25.0	6.4
170	175.5	1	1610	42	P3	20	26	6.0	2.0
170	175.5	2	2012	50	S6	35	32	3.0	3.3
170	175.5	3	2517	65	S4	50	45	5.0	4.5
170	175.5	4	2517	65	S4	65	45	20.0	5.9
170	175.5	5	2517	65	S2	80	45	17.5	6.6
170	175.5	6	2517	65	S2	95	45	25.0	7.3
180	185.5	1	1610	42	P3	20	26	6.0	2.4
180	185.5	2	2012	50	P6	35	32	3.0	4.8
180	185.5	3	2517	65	S4	50	45	5.0	6.2
180	185.5	4	2517	65	S4	65	45	20.0	6.9
180	185.5	5	3020	75	S4	80	52	28.0	7.0
180	185.5	6	3020	75	S2	95	52	21.5	8.5
190	195.5	1	2012	50	P3	20	32	12.0	2.7
190	195.5	2	2012	50	P4	35	32	3.0	4.4
190	195.5	3	2517	65	P4	50	45	5.0	5.5
190	195.5	4	3020	75	S4	65	52	13.0	7.2
190	195.5	5	3020	75	S4	80	52	28.0	7.7
190	195.5	6	3020	75	S2	95	52	21.5	10.0
200	205.5	1	2012	50	P3	20	32	12.0	3.2
200	205.5	2	2517	65	P3	35	45	10.0	5.0
200	205.5	3	2517	65	P4	50	45	5.0	5.8
200	205.5	4	3020	75	S4	65	52	13.0	8.4
200	205.5	5	3020	75	S4	80	52	28.0	9.3
200	205.5	6	3020	75	S2	95	52	21.5	12.0
212	217.5	1	2012	50	P3#	20	32	12.0	2.9
212	217.5	2	2517	65	P3	35	45	10.0	4.7
212	217.5	3	2517	65	P4	50	45	5.0	6.0
212	217.5	4	3020	75	S4	65	52	13.0	7.8
212	217.5	5	3020	75	S2	80	52	14.0	9.5
212	217.5	6	3020	75	S2	95	52	21.5	14.0
224	229.5	1	2012	50	A3	20	32	12.0	3.7
224	229.5	2	2517	65	P3	35	45	10.0	5.7
224	229.5	3	2517	65	P4	50	45	5.0	6.7
224	229.5	4	3020	75	P4	65	52	13.0	11.0
224	229.5	5	3020	75	S4	80	52	28.0	12.0
224	229.5	6	3020	75	S2	95	52	21.5	14.8
236	241.5	1	2012	50	P3#	20	32	12.0	3.2
236	241.5	2	2517	65	P3#	35	45	10.0	5.4
236	241.5	3	2517	65	P4	50	45	5.0	6.6
236	241.5	4	3020	75	P4	65	52	13.0	9.8
236	241.5	5	3020	75	P4	80	52	28.0	12.2
236	241.5	6	3020	75	S2	95	52	21.5	12.5



Pulley Configuration: S=Solid, P=Plate, A=Arm.
= lightening holes

SPA



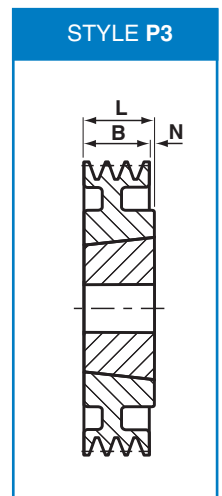
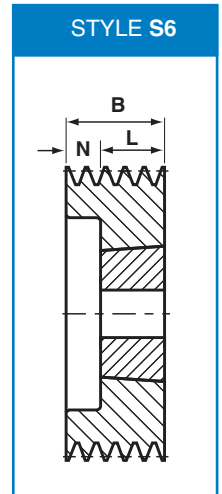
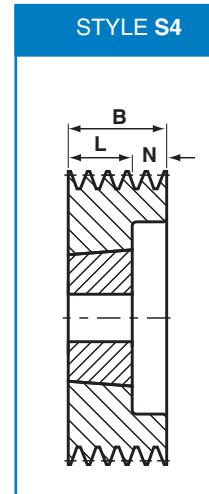
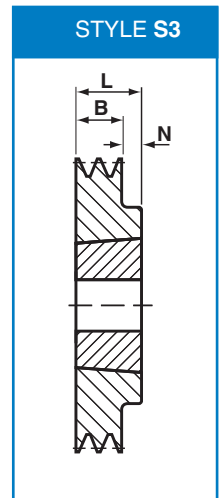
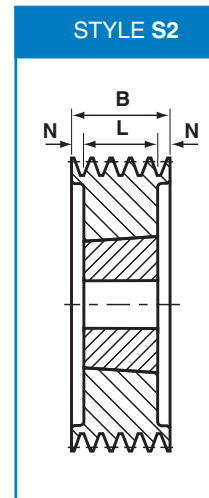
Pitch Dia. dw	Outside Dia. du	Groove No.	Bush Size	Max Bore	Pulley Config. & Style	Rim Width B	L	N	Mass kg
250	255.5	1	2012	50	A3	20	32	12.0	4.4
250	255.5	2	2517	65	A3	35	45	10.0	6.4
250	255.5	3	2517	65	P4#	50	45	5.0	7.5
250	255.5	4	3020	75	P4	65	52	13.0	9.8
250	255.5	5	3020	75	P4	80	52	28.0	11.0
250	255.5	6	3020	75	S2	95	52	21.5	17.5
280	285.5	1	2012	50	A3	20	32	12.0	5.2
280	285.5	2	2517	65	A3	35	45	10.0	7.3
280	285.5	3	2517	65	A4	50	45	5.0	8.4
280	285.5	4	3020	75	P2#	65	52	6.5	11.0
280	285.5	5	3535	90	P3	80	89	9.0	17.0
280	285.5	6	3535	90	P4	95	89	6.0	19.1
300	305.5	1	2012	50	A3	20	32	12.0	4.3
300	305.5	2	2517	65	A3	35	45	10.0	6.2
300	305.5	3	3020	75	A4	50	52	2.0	9.3
300	305.5	4	3020	75	P2#	65	52	6.5	12.4
300	305.5	5	3535	90	P3#	80	89	9.0	16.5
300	305.5	6	3535	90	P4	95	89	6.0	19.5
315	320.5	1	2012	50	A3	20	32	12.0	6.3
315	320.5	2	2517	65	A3	35	45	10.0	9.2
315	320.5	3	3020	75	A3	50	52	2.0	11.0
315	320.5	4	3020	75	A2	65	52	6.5	13.0
315	320.5	5	3535	90	P3#	80	89	9.0	19.0
315	320.5	6	3535	90	P4#	95	89	6.0	24.0
355	360.5	1	2012	50	A3	20	32	12.0	5.6
355	360.5	2	2517	65	A3	35	45	10.0	9.0
355	360.5	3	3020	75	A3	50	52	2.0	12.0
355	360.5	4	3020	75	A2	65	52	6.5	13.0
355	360.5	5	3535	90	A3	80	89	9.0	20.0
355	360.5	6	3535	90	A4	95	89	6.0	24.2
400	405.5	1	2012	50	A3	20	32	12.0	6.4
400	405.5	2	2517	65	A3	35	45	10.0	10.0
400	405.5	3	3020	75	A3	50	52	2.0	13.0
400	405.5	4	3020	75	A2	65	52	6.5	14.5
400	405.5	5	3535	90	A3	80	89	9.0	21.5
400	405.5	6	3535	90	A4	95	89	6.0	25.1
450	455.5	1	2012	50	A3	20	32	12.0	6.2
450	455.5	2	2517	65	A3	35	45	10.0	11.5
450	455.5	3	3020	75	A3	50	52	2.0	14.5
450	455.5	4	3020	75	A2	65	52	6.5	16.5
450	455.5	5	3535	90	A3	80	89	9.0	23.0
450	455.5	6	3535	90	A4	95	89	6.0	40.0
500	505.5	1	2517	65	A3	20	45	25.0	6.5
500	505.5	2	2517	65	A3	35	45	10.0	12.5
500	505.5	3	3020	75	A3	50	52	2.0	15.5
500	505.5	4	3020	75	A2	65	52	6.5	18.0
500	505.5	5	3535	90	A3	80	89	9.0	25.0
500	505.5	6	3535	90	A4	95	89	6.0	54.2
560	565.5	2	3020	75	A3	35	52	17.0	18.4
560	565.5	3	3020	75	A3	50	52	2.0	16.0
560	565.5	4	3535	90	A1	65	89	12.0	23.5
560	565.5	5	3535	90	A3	80	89	9.0	27.0
560	565.5	6	3535	90	A4	95	89	6.0	55.1
630	635.5	2	3020	75	A3	35	52	17.0	20.5
630	635.5	3	3020	75	A3	50	52	2.0	20.0
630	635.5	4	3535	90	A3	65	89	24.0	28.0
630	635.5	5	3535	90	A3	80	89	9.0	31.0
630	635.5	6	4040	100	A3	95	102	7.0	56.3
800	805.5	3	3535	90	A3	50	89	39.0	36.0
800	805.5	4	3535	90	A3	65	89	24.0	46.0
800	805.5	5	4040	100	A1	80	102	11.0	55.5
800	805.5	6	4040	100	A3	95	102	7.0	66.0

Pulley Configuration: S=Solid, P=Plate, A=Arm.
= lightening holes

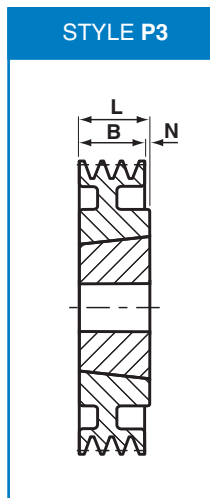
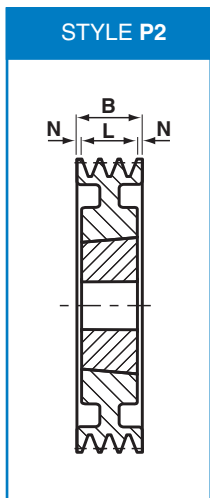
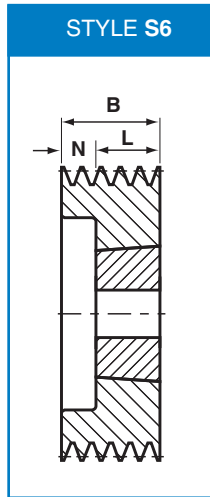
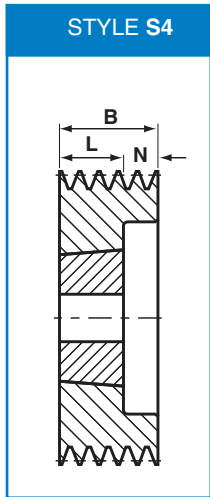
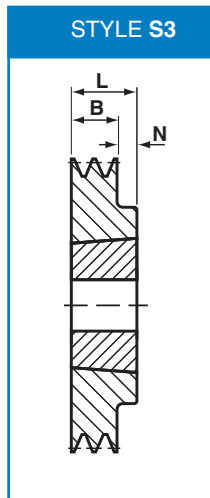
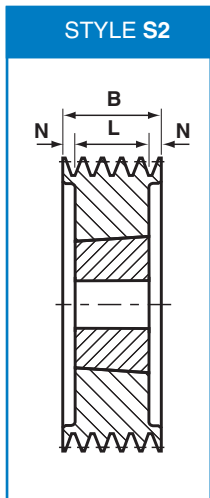
All dimensions in millimetres unless otherwise stated. Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused

Pitch Dia. dw	Outside Dia. du	Groove No.	Bush Size	Max Bore	Pulley Config. & Style	Rim Width B	L	N	Mass kg
100	107	1	1610	42	S3	25	26	1.0	0.9
100	107	2	1610	42	S6	44	26	18.0	1.4
100	107	3	1610	42	S6	63	26	37.0	1.9
106	113	1	1610	42	S3	25	26	1.0	1.0
106	113	2	1610	42	S6	44	26	18.0	1.5
106	113	3	1610	42	S6	63	26	37.0	2.0
112	119	1	1610	42	S3	25	26	1.0	1.2
112	119	2	1610	42	S4	44	26	18.0	1.7
112	119	3	1610	42	S6	63	26	37.0	2.3
118	125	1	1610	42	S3	25	26	1.0	1.3
118	125	2	1610	42	S4	44	26	18.0	1.9
118	125	3	1610	42	S6	63	26	37.0	2.6
125	132	1	1610	42	S3	25	26	1.0	1.5
125	132	2	2012	50	S4	44	32	12.0	2.3
125	132	3	2012	50	S4	63	32	31.0	2.3
125	132	4	2012	50	S2	82	32	25.0	3.7
125	132	5	2012	50	S6	101	32	69.0	4.4
132	139	1	1610	42	S3	25	26	1.0	1.8
132	139	2	2012	50	S4	44	32	12.0	2.4
132	139	3	2012	50	S4	63	32	31.0	3.1
132	139	4	2012	50	S2	82	32	25.0	3.8
132	139	5	2517	60	S6	101	45	56.0	4.6
140	147	1	1610	42	S3	25	26	1.0	2.1
140	147	2	2012	50	S4	44	32	12.0	2.8
140	147	3	2012	50	S4	63	32	31.0	3.6
140	147	4	2517	65	S2	82	45	18.5	4.5
140	147	5	2517	65	S2	101	45	28.0	5.3
140	147	6	2517	65	S2	120	45	37.5	6.1
150	157	1	1610	42	S3	25	26	1.0	2.5
150	157	2	2012	50	S4	44	32	12.0	3.4
150	157	3	2517	65	S4	63	45	18.0	4.1
150	157	4	2517	65	S2	82	45	18.5	4.9
150	157	5	2517	65	S2	101	45	28.0	5.8
150	157	6	2517	65	S2	120	45	37.5	6.6
160	167	1	1610	42	S3	25	26	1.0	2.9
160	167	2	2012	50	S6	44	32	12.0	3.9
160	167	3	2517	65	S6	63	45	18.0	4.9
160	167	4	2517	65	S2	82	45	18.5	5.8
160	167	5	2517	65	S2	101	45	28.0	6.7
160	167	6	3020	75	S2	120	52	34.0	6.5
160	167	8	3020	75	S2	158	52	53.0	8.5
170	177	1	1610	42	P3	25	26	1.0	3.3
170	177	2	2012	50	S6	44	32	12.0	4.5
170	177	3	2517	65	S6	63	45	18.0	5.8
170	177	4	2517	65	S2	82	45	18.5	6.7
170	177	5	3020	75	S2	101	52	24.5	6.8
170	177	6	3020	75	S2	120	52	34.0	7.8
170	177	8	3030	75	S2	158	77	40.5	11.0
180	187	1	1610	42	P3	25	26	1.0	3.8
180	187	2	2517	65	S3	44	45	1.0	5.3
180	187	3	2517	65	S6	63	45	18.0	6.7
180	187	4	2517	65	S2	82	45	18.5	7.7
180	187	5	3020	75	S2	101	52	24.5	8.0
180	187	6	3030	75	S2	120	52	34.0	9.0
180	187	8	3030	75	S2	158	77	40.5	12.0

Pulley Configuration: S=Solid, P=Plate, A=Arm.
 # = lightening holes



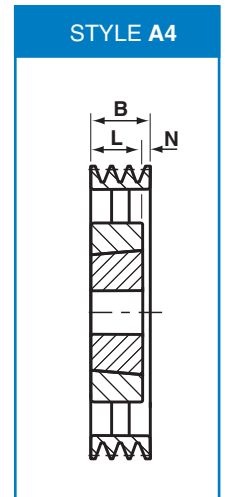
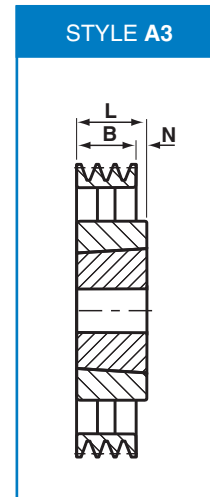
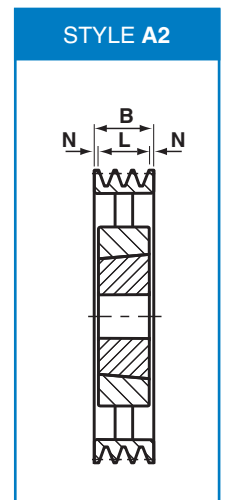
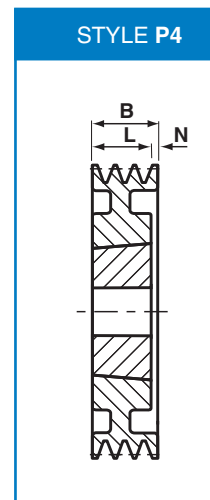
SPB



Pitch Dia. dw	Outside Dia. du	Groove No.	Bush Size	Max Bore	Pulley Config. & Style	Rim Width B	L	N	Mass kg
190	197	1	2012	50	P3	25	32	7.0	4.4
190	197	2	2517	65	S3	44	45	1.0	6.5
190	197	3	2517	65	S6	63	45	18.0	7.6
190	197	4	2517	65	S2	82	45	18.5	8.7
190	197	5	3020	75	S2	101	52	24.5	9.1
190	197	6	3020	75	S2	120	52	34.0	10.0
190	197	8	3030	75	S2	158	77	40.5	13.0
200	207	1	2012	50	P3	25	32	7.0	4.4
200	207	2	2517	65	P3	44	45	1.0	7.5
200	207	3	2517	65	P4	63	45	18.0	8.8
200	207	4	3020	75	S4	82	52	30.0	9.4
200	207	5	3020	75	S2	101	52	24.5	10.0
200	207	6	3020	75	S2	120	52	34.0	12.0
200	207	8	3535	90	S2	158	89	34.5	15.0
212	219	1	2012	50	P3	25	32	7.0	4.1
212	219	2	2517	65	P3	44	45	1.0	5.9
212	219	3	2517	65	P4	63	45	18.0	7.4
212	219	4	3020	75	S4	82	52	30.0	11.0
212	219	5	3020	75	S2	101	52	24.5	12.0
212	219	6	3535	90	S2	120	89	15.5	15.0
212	219	8	3535	90	S2	158	89	34.5	18.0
224	231	1	2012	50	P3	25	32	7.0	4.5
224	231	2	2517	65	P3	44	45	1.0	6.4
224	231	3	2517	65	P4	63	45	18.0	8.0
224	231	4	3020	75	S4	82	52	30.0	12.0
224	231	5	3020	75	S2	101	52	24.5	14.0
224	231	6	3535	90	S2	120	89	15.5	18.0
224	231	8	3535	90	S2	158	89	34.5	21.0
224	231	10	3535	90	S2	196	89	53.5	23.0
236	243	1	2012	50	P3#	25	32	7.0	4.9
236	243	2	2517	65	P3	44	45	1.0	6.9
236	243	3	2517	65	P4	63	45	18.0	8.3
236	243	4	3020	75	S4	82	52	30.0	14.0
236	243	5	3535	90	S4	101	89	12.0	19.0
236	243	6	3535	90	S2	120	89	15.5	21.0
236	243	8	3535	90	S2	158	89	34.5	24.0
236	243	10	3535	90	S2	196	89	53.5	26.0
250	257	1	2012	50	P3#	25	32	7.0	5.5
250	257	2	2517	65	P3#	44	45	1.0	7.3
250	257	3	3020	75	P4	63	52	11.0	10.0
250	257	4	3020	75	P4	82	52	30.0	12.0
250	257	5	3535	90	S4	101	89	12.0	23.0
250	257	6	3535	90	S2	120	89	15.5	24.0
250	257	8	3535	90	S2	158	89	34.5	27.0
250	257	10	3535	90	S2	196	89	53.5	31.0
280	287	1	2012	50	A3	25	32	7.0	6.5
280	287	2	2517	65	A3	44	45	1.0	9.1
280	287	3	3020	75	P4#	63	52	11.0	12.0
280	287	4	3020	75	P2#	82	52	15.0	14.0
280	287	5	3535	90	P2	101	89	6.0	20.0
280	287	6	3535	90	P2	120	89	15.5	22.0
280	287	8	3535	90	P2	158	89	34.5	25.0
280	287	10	3535	90	P2	196	89	53.5	29.0
300	307	1	2012	50	A3	25	32	7.0	6.8
300	307	2	2517	65	A3	44	45	1.0	8.6
300	307	3	3020	75	P4#	63	52	11.0	9.8
300	307	4	3535	90	P3	82	89	7.0	14.5
300	307	5	3535	90	P2	101	89	6.0	19.5
300	307	6	3535	90	P2	120	89	15.5	22.0
300	307	8	3535	90	P2	158	89	34.5	41.0
300	307	10	3535	90	P2	196	89	53.5	33.0

Pulley Configuration: S=Solid, P=Plate, A=Arm.
= lightening holes

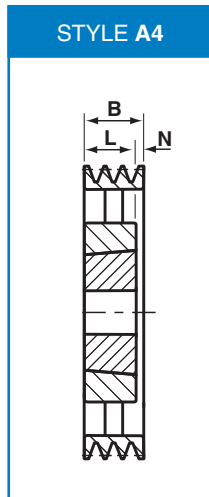
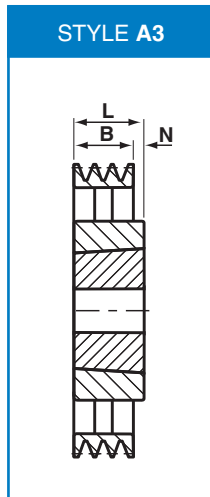
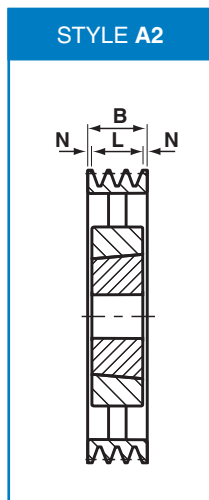
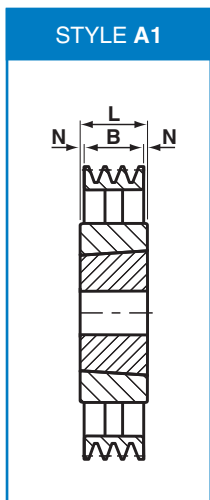
Pitch Dia. dw	Outside Dia. du	Groove No.	Bush Size	Max Bore	Pulley Config. & Style	Rim Width B	L	N	Mass kg
315	322	1	2012	50	A3	25	32	7.0	7.9
315	322	2	2517	65	A3	44	45	1.0	11.0
315	322	3	3020	75	A4	63	52	11.0	14.0
315	322	4	3535	90	P3#	82	89	7.0	20.0
315	322	5	3535	90	P2	101	89	6.0	23.0
315	322	6	3535	90	P2#	120	89	15.5	25.0
315	322	8	3535	90	P2	158	89	34.5	29.0
315	322	10	3535	90	P2	196	89	53.5	33.0
335	342	2	2517	65	A3	44	45	7.0	11.3
335	342	3	3020	75	A4	63	52	11.0	12.0
335	342	4	3535	90	A3	82	89	7.0	18.4
335	342	5	3535	90	A2	101	89	6.0	19.6
335	342	6	3535	90	A2	120	89	15.5	22.0
335	342	8	3535	90	P2#	158	89	34.5	29.0
335	342	10	4040	100	P2	196	102	47.0	37.0
355	362	2	3020	75	A3	44	52	8.0	14.0
355	362	3	3020	75	A4	63	52	11.0	17.0
355	362	4	3535	90	A3	82	89	7.0	24.0
355	362	5	3535	90	A2	101	89	6.0	26.0
355	362	6	3535	90	A2	120	89	15.5	29.0
355	362	8	3535	90	A2	158	89	34.5	34.0
355	362	10	4040	100	P2#	196	102	47.0	41.0
375	382	2	3535	90	A3	44	52	8.0	13.0
375	382	4	3535	90	A3	82	89	7.0	24.0
400	407	2	3020	75	A3	44	52	8.0	11.4
400	407	3	3535	90	A3	63	89	26.0	17.0
400	407	4	3535	90	A3	82	89	7.0	22.0
400	407	5	3535	90	A2	101	89	6.0	25.5
400	407	6	3535	90	A2	120	89	15.5	28.5
400	407	8	4040	100	A2	158	102	28.0	41.0
400	407	10	4040	100	A2	196	102	47.0	46.0
450	457	2	3020	75	A3	44	52	8.0	14.0
450	457	3	3535	90	A3	63	89	26.0	22.0
450	457	4	3535	90	A3	82	89	7.0	25.5
450	457	5	3535	90	A2	101	89	6.0	29.0
450	457	6	4040	100	A2	120	102	9.0	35.0
450	457	8	4040	100	A2	158	102	28.0	52.0
450	457	10	4545	110	A2	196	114	41.0	56.0
475	482	8	4040	100	A2	158	102	28.0	-
500	507	2	3020	75	A3	44	52	8.0	15.5
500	507	3	3535	90	A3	63	89	26.0	24.0
500	507	4	3535	90	A3	82	89	7.0	28.0
500	507	5	3535	90	A2	101	89	6.0	32.0
500	507	6	4040	100	A2	120	102	9.0	49.0
500	507	8	4040	100	A2	158	102	28.0	58.0
500	507	10	4545	110	A2	196	114	41.0	58.0
560	567	2	3020	75	A3	44	52	8.0	25.0
560	567	3	3535	90	A3	63	89	26.0	26.0
560	567	4	3535	90	A3	82	89	7.0	31.0
560	567	5	4040	100	A3	101	102	1.0	39.0
560	567	6	4040	100	A2	120	102	9.0	42.5
560	567	8	4545	110	A2	158	114	22.0	59.0
560	567	10	4545	110	A2	196	114	41.0	66.0
630	637	2	3030	75	A3	44	77	33.0	19.3
630	637	3	3535	90	A3	63	89	26.0	31.0
630	637	4	3535	90	A3	82	89	7.0	36.5
630	637	5	4040	100	A3	101	102	1.0	44.5
630	637	6	4040	100	A2	120	102	9.0	51.0
630	637	8	4545	110	A2	158	114	22.0	66.0
630	637	10	4545	110	A2	196	114	41.0	75.0



Pulley Configuration: S=Solid, P=Plate, A=Arm.

= lightening holes

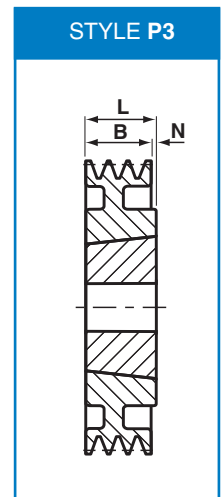
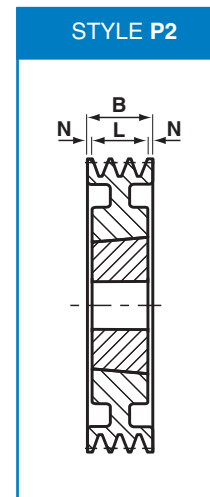
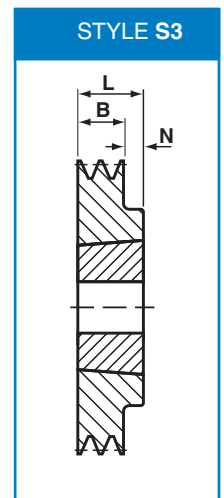
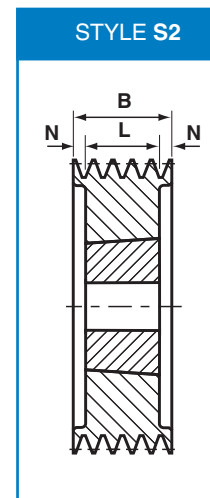
SPB



Pitch Dia. dw	Outside Dia. du	Groove No.	Bush Size	Max Bore	Pulley Config. & Style	Rim Width B	L	N	Mass kg
710	717	3	3535	90	A3	63	89	26.0	36.0
710	717	4	3535	90	A3	82	89	7.0	41.0
710	717	5	4040	100	A3	101	102	1.0	51.0
710	717	6	4545	110	A4	120	114	6.0	59.0
710	717	8	4545	110	A2	158	114	22.0	78.0
710	717	10	4545	110	A2	196	114	41.0	88.0
800	807	3	3535	90	A3	63	89	26.0	38.0
800	807	4	4040	100	A3	82	102	20.0	48.0
800	807	5	4040	100	A3	101	102	1.0	56.0
800	807	6	4545	110	A4	120	114	6.0	66.0
800	807	8	4545	110	A2	158	114	22.0	100.0
800	807	10	4545	110	A2	196	114	41.0	110.0
900	907	3	3535	90	A3	63	89	26.0	50.0
900	907	4	4040	100	A3	82	102	20.0	88.0
900	907	5	4545	110	A1	101	114	6.5	114.0
900	907	6	4545	110	A4	120	114	6.0	120.0
900	907	8	4545	110	A2	158	114	22.0	132.0
900	907	10	5050	125	A2	196	127	34.5	140.0
1000	1007	3	4040	100	A3	63	102	39.0	70.0
1000	1007	4	4040	100	A3	82	102	20.0	78.0
1000	1007	5	4545	110	A1	101	114	6.5	93.0
1000	1007	6	4545	110	A4	120	114	6.0	100.0
1000	1007	8	5050	125	A2	158	127	15.5	140.0
1000	1007	10	5050	125	A2	196	127	34.5	150.0
1250	1257	3	4040	100	A1	63	102	19.5	75.0
1250	1257	4	4545	110	A1	82	114	16.0	158.0
1250	1257	5	4545	110	A1	101	114	6.5	179.0
1250	1257	6	5050	125	A3	120	127	7.0	180.0
1250	1257	8	5050	125	A2	158	127	15.5	224.0
1250	1257	10	5050	125	A2	196	127	35.0	320.0

Pulley Configuration: S = Solid, P = Plate, A = Arm.
= lightening holes

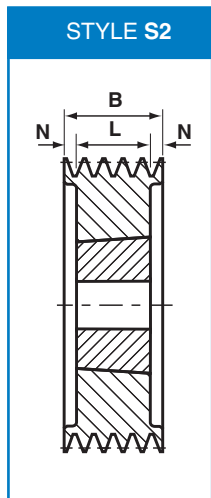
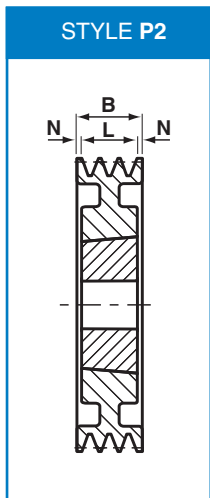
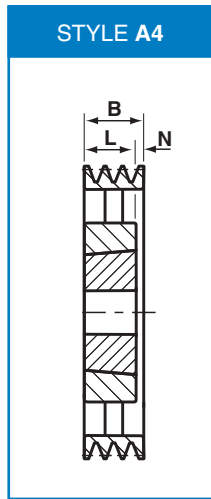
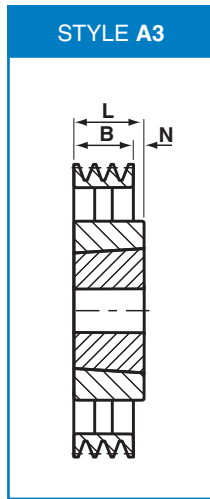
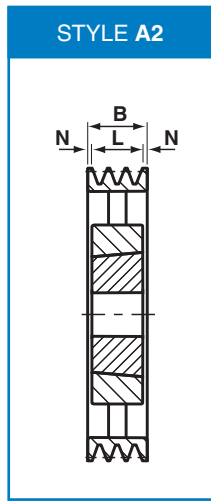
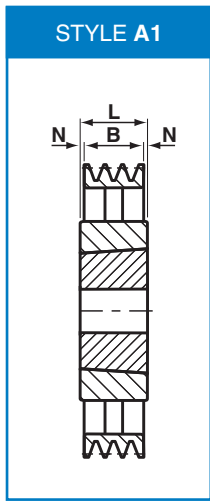
Pitch Dia. dw	Outside Dia. du	Groove No.	Bush Size	Max Bore	Pulley Config. & Style	Rim Width B	L	N	Mass kg
200	209.5	3	2517	65	S2	85.0	45	20.0	10.2
200	209.5	4	3020	75	S2	110.5	52	29.3	11.0
200	209.5	5	3535	90	S2	136.0	89	23.5	12.5
200	209.5	6	3535	90	S2	161.5	89	36.3	17.5
200	209.5	8	3535	90	S2	212.5	89	61.8	18.5
212	221.5	3	3020	75	S2	85.0	52	16.5	11.0
212	221.5	4	3020	75	S2	110.5	52	29.8	13.5
212	221.5	5	3535	90	S2	136.0	89	23.5	14.5
212	221.5	6	3535	90	S2	161.5	89	36.3	19.0
212	221.5	8	3535	90	S2	212.5	89	61.8	22.1
224	233.5	3	3020	75	S2	85.0	52	16.5	12.0
224	233.5	4	3535	90	S2	110.5	89	10.8	16.0
224	233.5	5	3535	90	S2	136.0	89	23.5	18.0
224	233.5	6	3535	90	S2	161.5	89	36.3	20.0
224	233.5	8	3535	90	S2	212.5	89	61.8	25.0
236	245.5	3	3020	75	S2	85.0	52	16.5	14.0
236	245.5	4	3535	90	S2	110.5	89	10.8	19.0
236	245.5	5	3535	90	S2	136.0	89	23.5	21.0
236	245.5	6	3535	90	S2	161.5	89	36.3	23.0
236	245.5	8	3535	90	S2	212.5	89	61.8	28.0
250	259.5	3	3020	75	P2	85.0	52	16.5	13.0
250	259.5	4	3535	90	S2	110.5	89	10.8	22.0
250	259.5	5	3535	90	S2	136.0	89	23.5	25.0
250	259.5	6	3535	90	S2	161.5	89	36.3	27.0
250	259.5	8	3535	90	S2	212.5	89	61.8	32.0
250	259.5	10	4040	100	S2	263.5	102	80.8	35.0
265	274.5	3	3535	90	S3	85.0	89	4.0	24.0
265	274.5	4	3535	90	S2	110.5	89	10.8	26.0
265	274.5	5	3535	90	S2	136.0	89	23.5	29.0
265	274.5	6	3535	90	S2	161.5	89	36.3	31.0
265	274.5	8	3535	90	S2	212.5	89	61.8	36.0
265	274.5	10	4040	100	S2	263.5	102	80.8	60.0
280	289.5	3	3535	90	P3	85.0	89	4.0	19.0
280	289.5	4	3535	90	P2	110.5	89	10.8	21.0
280	289.5	5	3535	90	P2	136.0	89	23.5	24.0
280	289.5	6	3535	90	P2	161.5	89	36.3	36.0
280	289.5	8	3535	90	S2	212.5	89	61.8	41.0
280	289.5	10	4040	100	S2	263.5	102	80.8	46.0
300	309.5	3	3535	90	P3	85.0	89	4.0	21.0
300	309.5	4	3535	90	P2	110.5	89	10.8	24.0
300	309.5	5	3535	90	P2	136.0	89	23.5	24.0
300	309.5	6	3535	90	P2	161.5	89	36.3	29.0
300	309.5	8	4040	100	S2	212.5	102	55.3	48.0
300	309.5	10	4545	110	S2	263.5	114	74.8	54.0
315	324.5	3	3535	90	P3#	85.0	89	4.0	21.0
315	324.5	4	3535	90	P2#	110.5	89	10.8	24.0
315	324.5	5	3535	90	P2#	136.0	89	23.5	28.0
315	324.5	6	3535	90	P2	161.5	89	36.3	31.0
315	324.5	8	4040	100	P2	212.5	102	55.3	54.0
315	324.5	10	4545	110	S2	263.5	114	74.8	60.0
335	344.5	3	3535	90	P3#	85.0	89	4.0	24.0
335	344.5	4	3535	90	P2#	110.5	89	10.8	27.0
335	344.5	5	3535	90	P2#	136.0	89	23.5	31.0
335	344.5	6	3535	90	P2#	161.5	89	36.3	34.0
335	344.5	8	4040	100	P2	212.5	102	55.3	45.0
335	344.5	10	4545	110	S2	263.5	114	74.8	85.0
355	364.5	3	3535	90	A3	85.0	89	4.0	26.0
355	364.5	4	3535	90	A2	110.5	89	10.8	30.0
355	364.5	5	3535	90	A2	136.0	89	23.5	34.0
355	364.5	6	3535	90	A2	161.5	89	36.3	37.0
355	364.5	8	4040	100	P2	212.5	102	55.3	48.0
355	364.5	10	4545	110	S2	263.5	114	74.8	81.0



Pulley Configuration: S=Solid, P=Plate, A=Arm.
= lightening holes

Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused. All dimensions in millimetres unless otherwise stated.

SPC



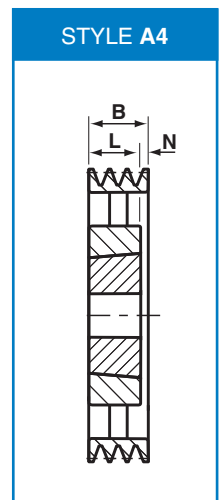
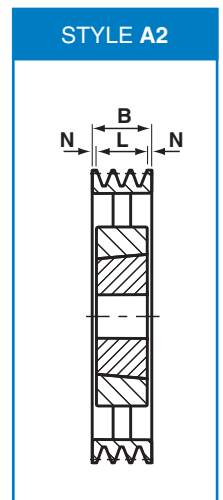
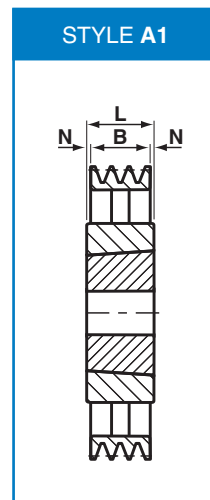
Pitch Dia. dw	Outside Dia. du	Groove No.	Bush Size	Max Bore	Pulley Config. & Style	Rim Width B	L	N	Mass kg
375	384.5	3	3535	90	A3	85.0	89	4.0	29.0
375	384.5	4	3535	90	A2	110.5	89	10.8	33.0
375	384.5	5	3535	90	A2	136.0	89	23.5	36.0
375	384.5	6	4040	100	A2	161.5	102	29.8	44.0
375	384.5	8	4545	110	P2	212.5	114	49.3	57.0
375	384.5	10	4545	110	S2	263.5	114	74.8	92.0
400	409.5	3	3535	90	A3	85.0	89	4.0	31.0
400	409.5	4	3535	90	A2	110.5	89	10.8	35.0
400	409.5	5	3535	90	A2	136.0	89	23.5	40.0
400	409.5	6	4040	100	A2	161.5	102	29.8	48.0
400	409.5	8	4545	110	P2	212.5	114	49.3	62.0
400	409.5	10	5050	125	P2	263.5	127	68.3	73.0
425	434.5	3	3535	90	A3	85.0	89	4.0	37.0
425	434.5	4	3535	90	A2	110.5	89	10.8	42.0
425	434.5	5	3535	90	A2	136.0	89	23.5	46.0
425	434.5	6	4040	100	A2	161.5	102	29.8	56.0
425	434.5	8	4545	110	A2	212.5	114	49.3	68.0
425	434.5	10	5050	125	P2	263.5	127	68.3	105.0
450	459.5	3	3535	90	A3	85.0	89	4.0	34.0
450	459.5	4	3535	90	A2	110.5	89	10.8	39.0
450	459.5	5	4040	100	A2	136.0	102	17.0	49.0
450	459.5	6	4545	110	A2	161.5	114	23.8	67.0
450	459.5	8	5050	125	A2	212.5	127	42.8	81.0
450	459.5	10	5050	125	P2#	263.5	127	68.3	94.0
475	484.5	3	3535	90	A3	85.0	89	4.0	30.0
475	484.5	4	3535	90	A2	110.5	89	10.8	37.0
475	484.5	5	4040	100	A2	136.0	102	17.0	48.0
475	484.5	6	4545	110	A2	161.5	114	23.8	65.0
475	484.5	8	5050	125	A2	212.5	127	42.8	100.0
475	484.5	10	5050	125	A2	263.5	127	68.3	125.0
500	509.5	3	3535	90	A3	85.0	89	4.0	31.9
500	509.5	4	3535	90	A2	110.5	89	10.8	44.0
500	509.5	5	4040	100	A2	136.0	102	17.0	54.0
500	509.5	6	4545	110	A2	161.5	114	23.8	67.0
500	509.5	8	5050	125	A2	212.5	127	42.8	91.0
500	509.5	10	5050	125	A2	263.5	127	68.3	111.0
530	539.5	3	3535	90	A3	85.0	89	4.0	34.5
530	539.5	4	4040	100	A4	110.5	102	8.5	45.0
530	539.5	5	4545	110	A2	136.0	114	11.0	56.0
530	539.5	6	5050	125	A2	161.5	127	17.3	73.0
530	539.5	8	5050	125	A2	212.5	127	42.8	105.0
530	539.5	10	5050	125	A2	263.5	127	68.3	145.0
560	569.5	3	3535	90	A3	85.0	89	4.0	37.0
560	569.5	4	4040	100	A4	110.5	102	8.5	60.0
560	569.5	5	4545	110	A2	136.0	114	11.0	60.0
560	569.5	6	5050	125	A2	161.5	127	17.3	85.0
560	569.5	8	5050	125	A2	212.5	127	42.8	101.0
560	569.5	10	5050	125	A2	263.5	127	68.3	121.0
630	639.5	3	4040	100	A1	85.0	102	8.5	49.5
630	639.5	4	4545	110	A3	110.5	114	3.5	114.0
630	639.5	5	5050	125	A4	136.0	127	9.0	91.0
630	639.5	6	5050	125	A2	161.5	127	17.3	97.0
630	639.5	8	5050	125	A2	212.5	127	42.8	116.0
630	639.5	10	5050	125	A2	263.5	127	68.3	130.0
710	719.5	3	4040	100	A1	85.0	102	8.5	57.0
710	719.5	4	4545	110	A3	110.5	114	3.5	70.3
710	719.5	5	5050	125	A4	136.0	127	9.0	92.0
710	719.5	6	5050	125	A2	161.5	127	17.3	100.0
710	719.5	8	5050	125	A2	212.5	127	42.8	130.0
710	719.5	10	5050	125	A2	263.5	127	68.3	145.0

Pulley Configuration: S=Solid, P=Plate, A=Arm.
= lightening holes

Pitch Dia. dw	Outside Dia. du	Groove No.	Bush Size	Max Bore	Pulley Config. & Style	Rim Width B	L	N	Mass kg
800	809.5	3	4545	110	A1	85.0	114	14.5	65.0
800	809.5	4	5050	125	A1	110.5	127	8.3	76.5
800	809.5	5	5050	125	A4	136.0	127	9.0	143.0
800	809.5	6	5050	125	A2	161.5	127	17.3	120.0
800	809.5	8	5050	125	A2	212.5	127	42.8	150.0
800	809.5	10	5050	125	A2	263.5	127	68.3	170.0
1000	1009.5	3	5050	125	A1	85.0	127	21.0	116.0
1000	1009.5	4	5050	125	A1	110.5	127	8.3	125.0
1000	1009.5	5	5050	125	A4	136.0	127	9.0	143.0
1000	1009.5	6	5050	125	A2	161.5	127	17.3	155.0
1000	1009.5	8	5050	125	A2	212.5	127	42.8	205.0
1000	1009.5	10	5050	125	A2	263.5	127	68.3	230.0
1250	1259.5	4	5050	125	A1	110.5	127	8.3	214.0
1250	1259.5	5	5050	125	A4	136.0	127	9.0	187.0
1250	1259.5	6	5050	125	A2	161.5	127	17.3	200.0
1250	1259.5	8	5050	125	A2	212.5	127	42.8	252.0
1250	1259.5	10	5050	125	A2	263.5	127	68.3	300.0

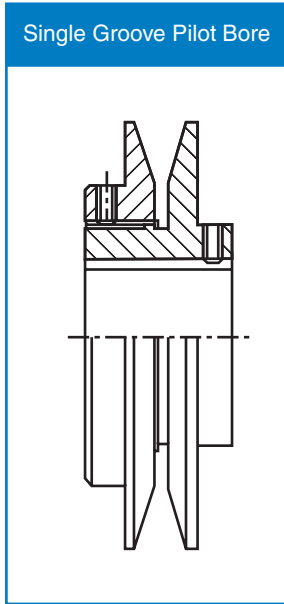
Pulley Configuration: S=Solid, P=Plate, A=Arm.
 # = lightening holes

NOTE
 Larger taper bored pulleys are also available to order utilising taper bush sizes 6050, 7060 and 8065. Challenge manufacture pulleys upto a maximum of 2400mm diameter with 20 grooves with both pilot or finished bores.



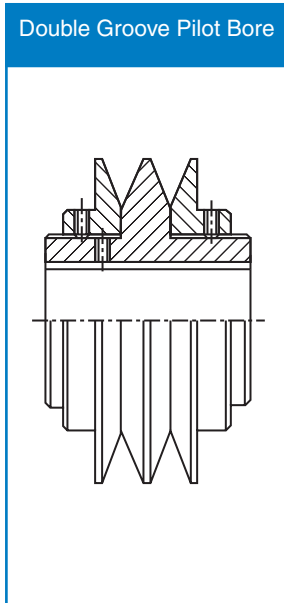
Variable Speed Pulleys

Single Groove Variable Speed Pulley - Pilot Bore



Type	Belt Section	Max Bore	Mid Pitch Dia	Max/Min Dia	Total Width	Mass kg
84Z1-P	SPZ	20	71	62 - 80	35	0.7
95Z1-P	SPZ	20	82	73 - 91	35	0.8
100Z1-P	SPZ	20	87	78 - 96	35	1.1
108Z1-P	SPZ	24	97	90 - 104	40	1.7
108A1-P	SPA	24	89	76 - 102	40	1.8
120A1-P	SPA	24	101	88 - 114	40	2.0
129A1-P	SPA	30	110	97 - 123	45	2.1
139A1-P	SPA	30	121	109 - 133	45	2.2
146A1-P	SPA	30	128	116 - 140	45	2.4
156A1-P	SPA	40	138	126 - 150	45	3.3
164A1-P	SPA	40	146	134 - 158	45	3.6
177A1-P	SPA	50	160	149 - 171	65	6.2
187A1-P	SPA	50	170	159 - 181	65	6.5
178B1-P	SPB	50	155	139 - 171	65	6.0
187B1-P	SPB	50	164	148 - 180	65	6.5
200B1-P	SPB	50	178	163 - 193	60	7.1
215B1-P	SPB	50	198	178 - 208	60	7.4
226B1-P	SPB	50	204	189 - 219	60	7.6
244B1-P	SPB	60	224	211 - 237	70	9.7
256B1-P	SPB	60	236	223 - 249	70	11.8

Double Groove Variable Speed Pulley - Pilot Bore

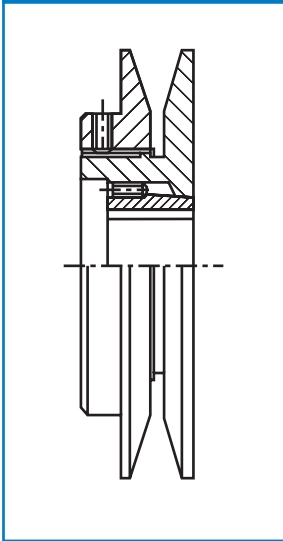


Type	Belt Section	Max Bore	Mid Pitch Dia	Max/Min Dia	Total Width	Mass kg
108A2-P	SPA	28	89	76 - 102	70	3.6
120A2-P	SPA	30	101	88 - 114	70	4.7
129A2-P	SPA	30	111	99 - 123	70	5.3
139A2-P	SPA	40	121	109 - 133	70	5.8
146A2-P	SPA	40	128	116 - 140	70	5.9
156A2-P	SPA	40	138	126 - 150	70	6.2
164A2-P	SPA	40	146	134 - 158	70	6.5
177A2-P	SPA	50	160	149 - 171	90	9.3
187A2-P	SPA	50	170	159 - 181	90	9.8
160B2-P	SPB	42	137	121 - 153	90	6.4
178B2-P	SPB	50	155	139 - 171	90	9.3
187B2-P	SPB	50	164	148 - 180	90	9.9
200B2-P	SPB	50	178	163 - 193	105	11.5
215B2-P	SPB	50	193	178 - 208	105	11.6
226B2-P	SPB	50	204	189 - 219	105	11.8
244B2-P	SPB	60	224	211 - 237	110	14.3
250B2-P	SPB	60	230	217 - 243	110	14.3
256B2-P	SPB	60	236	223 - 249	110	17.2
320B2-P	SPB	60	300	287 - 313	110	36.8
355B2-P	SPB	60	315	302 - 328	110	41.5

Variable Speed Pulleys

Single Groove Variable Speed Pulley - Taper Bore

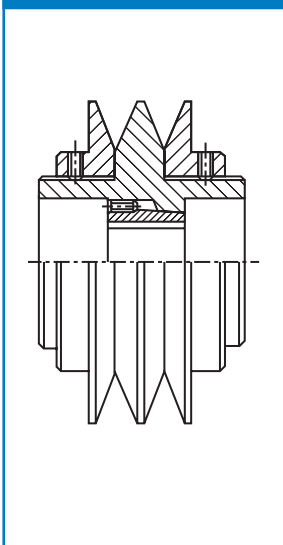
Single Groove Taper Bore



Type	Belt Section	Taper Bush	Max Bore	Mid Pitch Dia	Max/Min Dia	Total Width	Mass kg
84Z1-T	SPZ	1108	28	71	62 - 80	28	0.65
95Z1-T	SPZ	1108	28	82	73 - 91	30	0.85
100Z1-T	SPZ	1108	28	87	78 - 96	30	1.00
108Z1-T	SPZ	1210	32	97	90 - 104	35	1.30
108A1-T	SPA	1210	32	89	76 - 102	35	1.40
120A1-T	SPA	1210	32	101	88 - 114	35	1.60
129A1-T	SPA	1210	32	110	97 - 123	35	1.90
139A1-T	SPA	1610	42	121	109 - 133	35	2.50
146A1-T	SPA	1610	42	128	116 - 140	35	2.70
156A1-T	SPA	1610	42	138	126 - 150	35	3.10
164A1-T	SPA	1610	42	146	134 - 158	35	3.50
177A1-T	SPA	2012	50	160	149 - 171	40	4.30
187A1-T	SPA	2012	50	170	159 - 181	40	4.70
178B1-T	SPB	2012	50	155	139 - 171	40	4.30

Double Groove Variable Speed Pulley - Taper Bore

Double Groove Taper Bore

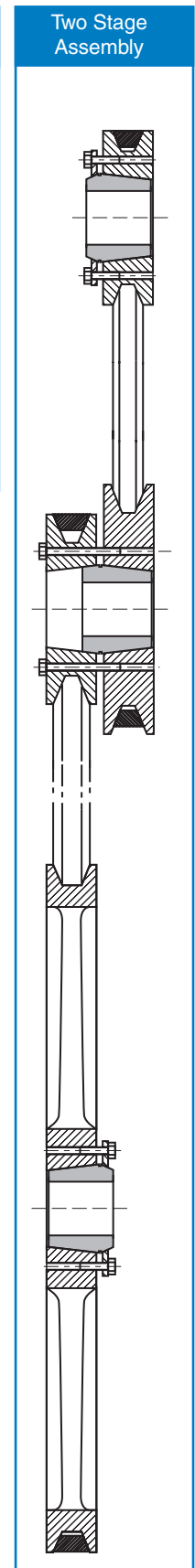
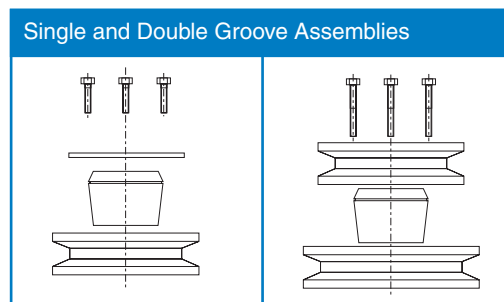
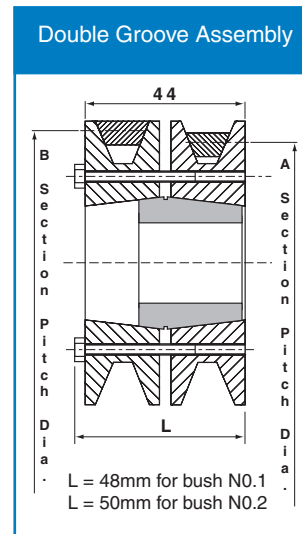
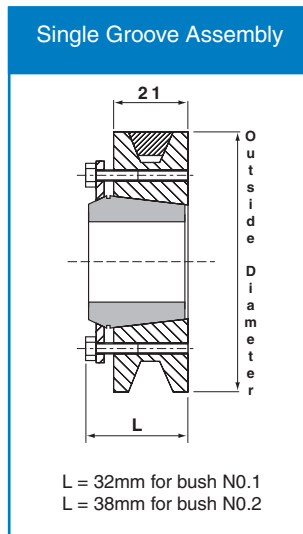


Type	Belt Section	Taper Bush	Max Bore	Mid Pitch Dia	Max/Min Dia	Total Width	Mass kg
120A2-T	SPA	1215	32	101	88 - 114	65	4.4
129A2-T	SPA	1215	32	110	97 - 123	65	4.6
139A2-T	SPA	1615	42	121	109 - 133	70	4.9
146A2-T	SPA	1615	42	128	116 - 140	70	5.3
156A2-T	SPA	1615	42	138	126 - 150	70	5.7
164A2-T	SPA	1615	42	146	134 - 158	70	6.1
177A2-T	SPA	2012	50	160	149 - 171	90	8.1
187A2-T	SPA	2012	50	170	159 - 181	90	8.7
178B2-T	SPB	2012	50	155	139 - 171	90	8.1
187B2-T	SPB	2012	50	164	148 - 180	90	8.7

Mi-Lock

Mi-Lock Pulleys

Pitch Dia.		Outside Diameter	Mass kg	Mi-Lock Bush
A*	B			
071	081	88	0.42	1
075	085	92	0.47	1
080	090	97	0.53	1
085	095	102	0.62	1
090	100	107	0.72	1
095	105	111	0.80	1
100	110	117	0.91	1
106	116	123	1.02	1
112	122	129	0.98	1
118	128	135	1.05	1
125	135	142	1.17	1
132	142	149	1.28	1
140	150	157	1.49	2
150	160	167	1.61	2
160	170	177	1.75	2
180	190	197	2.03	2
200	209	216	2.38	2
224	233	240	3.34	2
250	259	266	4.22	2
280	289	296	3.77	2
315	324	331	4.45	2
355	364	371	4.94	2
400	409	416	7.51	2
450	459	466	9.05	2



Mi-Lock Bush Sizes

Bush Reference	Bush Shaft Sizes	
Mi-Lock Bush No. 1	mm	10, 11, 12, 14, 15, 16, 18, 19, 20, 22, 24, 25, 28
	inch	3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8"
Mi-Lock Bush No. 2	mm	16, 18, 19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42
	inch	1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.3/16", 1.1/4", 1.5/16", 1.3/8", 1.7/16", 1.1/2", 1.9/16"

Notes On Ordering Mi-Lock Pulleys and Bushes

Use the A column for specifying pulley size*
Single Groove Assembly
1 x Pulley
1 x Bush (No.1 or No.2)
1 x Retaining ring set (No.1 or No.2)
Double Groove Assembly
2 x Pulleys
1 x Bush (No.1 or No.2)
1 x LR Bolt kit (No.1 or No.2)

* The same pulley is used for both A and B section belts but is ordered using A pitch diameter.

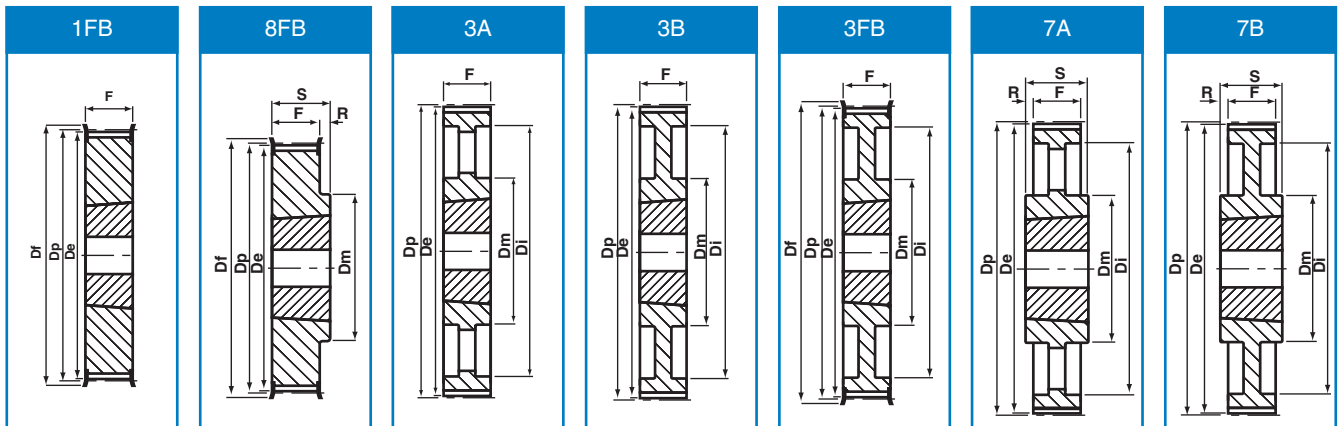
Mi-Lock Ring Sets and LR Ring Kits

Retaining Ring Sets No. 1 & No. 2	LR Bolt Kits (Long reach)
1 x Retainer	3 x Long bolts
3 x Short bolts	3 x Washers
3 x Washers	

Timing Taper Bore

3/8" PITCH (9.525mm) L050

Product Designation	Number of Teeth	Type	Bush Size	Material	De	Dp	Df	Dm	Di	F	S	R	Mass kg
18-L-050	18	8FB	1108	S	53.81	54.57	60	43	-	19	22	3.0	0.2
19-L-050	19	8FB	1108	S	56.84	57.61	63	43	-	19	22	3.0	0.2
20-L-050	20	8FB	1108	S	59.88	60.64	67	48	-	19	22	3.0	0.2
21-L-050	21	8FB	1108	S	62.91	63.67	70	48	-	19	22	3.0	0.3
22-L-050	22	8FB	1108	S	65.94	66.70	75	51	-	19	22	3.0	0.3
23-L-050	23	8FB	1108	S	68.97	69.73	79	54	-	19	22	3.0	0.4
24-L-050	24	8FB	1108	S	72.00	72.77	79	54	-	19	22	3.0	0.4
25-L-050	25	8FB	1108	S	75.04	75.80	87	56	-	19	22	3.0	0.5
26-L-050	26	8FB	1108	S	78.07	78.83	87	60	-	19	22	3.0	0.5
27-L-050	27	8FB	1108	S	81.10	81.86	91	65	-	19	22	3.0	0.6
28-L-050	28	8FB	1108	S	84.13	84.89	91	65	-	19	22	3.0	0.6
30-L-050	30	8FB	1108	S	90.20	90.96	97	70	-	19	22	3.0	0.8
32-L-050	32	8FB	1108	S	96.26	97.02	102	74	-	19	22	3.0	0.9
36-L-050	36	8FB	1108	CI	108.39	109.15	120	87	-	19	22	3.0	1.2
40-L-050	40	8FB	1210	CI	120.51	121.28	128	87	-	19	25	6.0	1.5
48-L-050	48	8FW	1210	CI	144.77	145.53	150	88	124	19	25	6.0	2.3
60-L-050	60	7B	1610	CI	181.15	181.91	-	92	166	19	25	3.0	2.0
72-L-050	72	7A	1610	CI	217.53	218.30	-	92	202	19	25	3.0	3.0
84-L-050	84	7A	1610	CI	253.90	254.68	-	106	236	19	25	3.0	4.0
96-L-050	96	7A	2012	CI	290.30	291.06	-	106	270	19	32	6.5	5.5
120-L-050	120	7A	2012	CI	363.07	363.83	-	106	343	19	32	6.5	6.8



Material; S = Steel, CI = Cast Iron

3/8" PITCH (9.525mm) L075

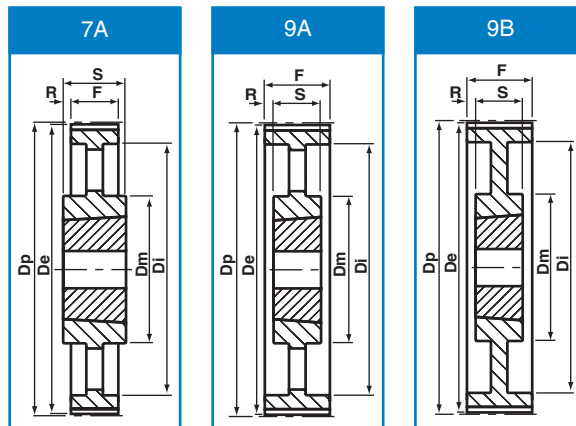
Product Designation	Number of Teeth	Type	Bush Size	Material	De	Dp	Df	Dm	Di	F	S	R	Mass kg
18-L-075	18	1FB	1108	S	53.81	54.57	60	-	-	25	25	-	0.2
19-L-075	19	1FB	1108	S	56.84	57.61	63	-	-	25	25	-	0.3
20-L-075	20	1FB	1108	S	59.88	60.64	67	-	-	25	25	-	0.3
21-L-075	21	1FB	1108	S	62.91	63.67	70	-	-	25	25	-	0.4
22-L-075	22	1FB	1108	S	65.94	66.70	75	-	-	25	25	-	0.4
23-L-075	23	1FB	1108	S	68.97	69.73	79	-	-	25	25	-	0.4
24-L-075	24	1FB	1108	S	72.00	72.77	79	-	-	25	25	-	0.5
25-L-075	25	1FB	1108	S	75.04	75.80	87	-	-	25	25	-	0.6
26-L-075	26	1FB	1108	S	78.07	78.83	87	-	-	25	25	-	0.6
27-L-075	27	1FB	1108	S	81.10	81.86	91	-	-	25	25	-	0.7
28-L-075	28	1FB	1108	S	84.13	84.89	91	-	-	25	25	-	0.7
30-L-075	30	1FB	1108	S	90.20	90.96	97	-	-	25	25	-	0.9
32-L-075	32	1FB	1108	S	96.26	97.02	102	-	-	25	25	-	1.0
36-L-075	36	1FB	1210	CI	108.39	109.15	120	-	-	25	25	-	1.2
40-L-075	40	1FB	1210	CI	120.51	121.28	128	-	-	25	25	-	1.7
48-L-075	48	3FB	1610	CI	144.77	145.53	150	92	124	25	25	-	2.5
60-L-075	60	3B	1610	CI	181.15	181.91	-	92	166	25	25	-	3.0
72-L-075	72	3A	1610	CI	217.53	218.30	-	92	202	25	25	-	4.0
84-L-075	84	7A	2012	CI	253.90	254.68	-	106	236	25	32	3.5	5.2
96-L-075	96	7A	2012	CI	290.30	291.06	-	106	270	25	32	3.5	6.5
120-L-075	120	7A	2012	CI	363.07	363.83	-	106	343	25	32	35.0	7.6

Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused. All dimensions in millimetres unless otherwise stated.

Timing Taper Bore

3/8" PITCH (9.525mm) L100

Product Designation	Number of Teeth	Type	Bush Size	Material	De	Dp	Df	Dm	Di	F	S	R	Mass kg
18-L-100	18	5FB	1108	S	53.81	54.57	60	-	38	31	22	9.0	0.2
19-L-100	19	5FB	1108	S	56.84	57.61	63	-	38	31	22	9.0	0.3
20-L-100	20	5FB	1108	S	59.88	60.64	67	-	45	31	22	9.0	0.4
21-L-100	21	5FB	1108	S	62.91	63.67	70	-	47	31	22	9.0	0.4
22-L-100	22	5FB	1108	S	65.94	66.70	75	-	51	31	22	9.0	0.4
23-L-100	23	5FB	1108	S	68.97	69.73	79	-	54	32	22	10.0	0.5
24-L-100	24	5FB	1108	S	72.00	72.77	79	-	54	32	22	10.0	0.6
25-L-100	25	5FB	1108	S	75.04	75.80	87	-	56	32	22	10.0	0.6
26-L-100	26	5FB	1108	S	78.07	78.83	87	-	60	32	22	10.0	0.7
27-L-100	27	5FB	1108	S	81.10	81.86	91	-	62	32	22	10.0	0.8
28-L-100	28	5FB	1108	S	84.13	84.89	91	-	65	32	22	10.0	0.8
30-L-100	30	5FB	1210	S	90.20	90.96	97	-	71	32	25	7.0	0.9
32-L-100	32	5FB	1210	S	96.26	97.02	102	-	75	32	25	7.0	1.0
36-L-100	36	5FB	1210	CI	108.39	109.15	120	-	89	32	25	7.0	1.4
40-L-100	40	5FB	1610	CI	120.51	121.28	128	-	101	32	25	7.0	1.7
48-L-100	48	5FW	1610	CI	144.77	145.53	150	92	124	32	25	7.0	2.7
60-L-100	60	9B	1610	CI	181.15	181.91	-	92	166	32	25	4.0	2.4
72-L-100	72	3A	2012	CI	217.53	218.30	-	106	202	32	32	-	4.4
84-L-100	84	3A	2012	CI	253.90	254.68	-	106	236	32	32	-	6.0
96-L-100	96	3A	2012	CI	290.30	291.06	-	106	270	32	32	-	7.1
120-L-100	120	3A	2012	CI	363.07	363.83	-	106	343	32	32	-	8.5



Material; S = Steel, CI = Cast Iron

1/2" PITCH (12.70mm) H100

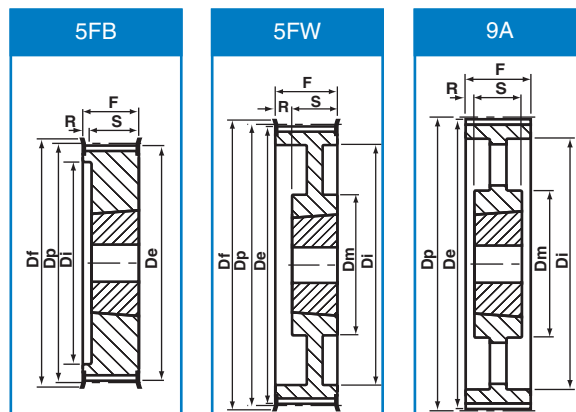
Product Designation	Number of Teeth	Type	Bush Size	Material	De	Dp	Df	Dm	Di	F	S	R	Mass kg
16-H-100	16	5FB	1108	S	63.31	64.68	71	-	45	31	22	9.0	0.4
18-H-100	18	5FB	1210	S	71.39	72.77	79	-	52	31	25	6.0	0.5
19-H-100	19	5FB	1210	S	75.44	76.81	83	-	56	31	25	6.0	0.6
20-H-100	20	5FB	1210	S	79.48	80.85	87	-	60	31	25	6.0	0.7
21-H-100	21	5FB	1210	S	83.52	84.89	91	-	63	32	25	7.0	0.8
22-H-100	22	5FB	1210	S	87.56	88.94	94	-	67	32	25	7.0	0.9
23-H-100	23	5FB	1210	S	91.61	92.98	102	-	70	32	25	7.0	0.9
24-H-100	24	5FB	1610	S	95.65	97.02	102	-	75	32	25	7.0	1.0
25-H-100	25	5FB	1610	CI	99.69	101.06	112	-	79	32	25	7.0	1.0
26-H-100	26	5FB	1610	CI	103.73	105.11	112	-	83	32	25	7.0	1.2
27-H-100	27	5FB	1610	CI	107.78	109.15	120	-	87	32	25	7.0	1.3
28-H-100	28	5FB	1610	CI	111.82	113.19	120	-	91	32	25	7.0	1.5
30-H-100	30	5FB	1610	CI	119.90	121.28	128	-	99	32	25	7.0	1.7
32-H-100	32	5FW	1610	CI	127.99	129.36	135	92	108	32	25	7.0	2.0
36-H-100	36	5FW	1610	CI	144.16	145.53	158	92	124	32	25	7.0	2.7
40-H-100	40	5FW	1610	CI	160.33	161.70	168	92	140	32	25	7.0	3.6
44-H-100	44	3FB	2012	CI	176.50	177.87	184	106	153	32	32	-	3.8
48-H-100	48	3FB	2012	CI	192.67	194.04	200	106	169	32	32	-	4.2
60-H-100	60	9A	2012	CI	241.18	242.55	-	106	223	34	32	1.0	4.8
72-H-100	72	9A	2012	CI	289.69	291.06	-	106	270	34	32	1.0	5.7
84-H-100	84	9A	2012	CI	338.20	339.57	-	106	318	34	32	1.0	6.8
96-H-100	96	7A	2517	CI	386.71	388.08	-	119	366	34	45	6.0	8.2

All dimensions in millimetres unless otherwise stated. Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused

Timing Taper Bore

1/2" PITCH (12.70mm) H150

Product Designation	Number of Teeth	Type	Bush Size	Material	De	Dp	Df	Dm	Di	F	S	R	Mass kg
18-H-150	18	5FB	1210	S	71.39	72.77	79	-	53	45	25	20.0	0.6
19-H-150	19	5FB	1210	S	75.44	76.81	83	-	56	45	25	20.0	0.7
20-H-150	20	5FB	1210	S	79.48	80.85	87	-	60	45	25	20.0	0.8
21-H-150	21	5FB	1210	S	83.52	84.89	91	-	64	45	25	20.0	1.0
22-H-150	22	5FB	1210	S	87.56	88.94	94	-	68	45	25	20.0	1.2
23-H-150	23	5FB	1610	S	91.61	92.98	102	-	71	45	25	20.0	1.3
24-H-150	24	5FB	1610	S	95.65	97.02	102	-	74	45	25	20.0	1.0
25-H-150	25	5FB	1610	CI	99.69	101.06	112	-	78	45	25	20.0	1.2
26-H-150	26	5FB	1610	CI	103.73	105.11	112	-	82	45	25	20.0	1.4
27-H-150	27	5FB	1610	CI	107.78	109.15	120	-	87	45	25	20.0	1.6
28-H-150	28	5FB	1610	CI	111.82	113.19	120	-	91	45	25	20.0	1.8
30-H-150	30	5FB	1610	CI	119.90	121.28	128	-	99	45	25	20.0	2.3
32-H-150	32	5FW	1610	CI	127.99	129.36	135	92	108	45	25	20.0	2.3
36-H-150	36	5FW	1610	CI	144.16	145.53	158	92	124	45	25	20.0	3.1
40-H-150	40	5FW	1610	CI	160.33	161.70	168	92	140	45	25	20.0	4.0
44-H-150	44	5FW	2012	CI	176.50	177.87	184	106	153	45	32	13.0	4.4
48-H-150	48	5FW	2012	CI	192.67	194.04	200	106	169	45	32	13.0	4.8
60-H-150	60	9A	2012	CI	241.18	242.55	-	106	223	46	32	7.5	5.4
72-H-150	72	9A	2012	CI	289.69	291.06	-	106	270	46	32	7.5	6.5
84-H-150	84	9A	2012	CI	338.20	339.57	-	106	320	46	32	7.5	8.4
96-H-150	96	9A	2517	CI	386.71	388.08	-	119	366	46	45	0.5	11.0



Material; S = Steel, CI = Cast Iron

1/2" PITCH (12.70mm) H200

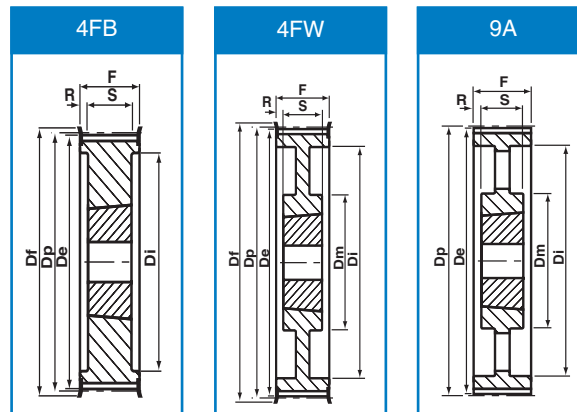
Product Designation	Number of Teeth	Type	Bush Size	Material	De	Dp	Df	Dm	Di	F	S	R	Mass kg
18-H-200	18	5FB	1210	S	71.39	72.77	79	-	52	58	25	33.0	0.8
19-H-200	19	5FB	1210	S	75.44	76.81	83	-	56	58	25	33.0	0.9
20-H-200	20	5FB	1610	S	79.48	80.85	87	-	60	58	25	33.0	1.0
21-H-200	21	5FB	1610	S	83.52	84.89	91	-	64	58	25	33.0	1.7
22-H-200	22	5FB	1610	S	87.56	88.94	94	-	68	58	25	33.0	1.5
23-H-200	23	5FB	1610	S	91.61	92.98	102	-	71	58	25	33.0	1.8
24-H-200	24	5FB	1610	S	95.65	97.02	102	-	74	58	25	33.0	1.5
25-H-200	25	5FB	1610	CI	99.69	101.06	112	-	78	58	25	33.0	1.5
26-H-200	26	5FB	1610	CI	103.73	105.11	112	-	82	58	25	33.0	1.8
27-H-200	27	5FB	1610	CI	107.78	109.15	120	-	87	58	25	33.0	1.9
28-H-200	28	5FB	1610	CI	111.82	113.19	120	-	91	58	25	33.0	2.3
30-H-200	30	5FB	1610	CI	119.90	121.28	128	-	99	58	25	33.0	3.0
32-H-200	32	5FB	2012	CI	127.99	129.36	135	-	107	58	32	26.0	3.0
36-H-200	36	5FW	2012	CI	144.16	145.53	158	102	124	58	32	26.0	3.6
40-H-200	40	5FW	2012	CI	160.33	161.70	168	106	140	58	32	26.0	4.0
44-H-200	44	5FW	2012	CI	176.50	177.87	184	106	153	58	32	26.0	4.6
48-H-200	48	5FW	2517	CI	192.67	194.04	200	119	169	58	45	13.0	7.0
60-H-200	60	9A	2517	CI	241.18	242.55	-	119	223	60	45	7.5	8.0
72-H-200	72	9A	2517	CI	289.69	291.06	-	119	270	60	45	7.5	9.0
84-H-200	84	9A	2517	CI	338.20	339.57	-	119	320	60	45	7.5	10.0
96-H-200	96	9A	2517	CI	386.71	388.08	-	119	366	60	45	7.5	13.4

Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused. All dimensions in millimetres unless otherwise stated.

Timing Taper Bore

1/2" PITCH (12.70mm) H300

Product Designation	Number of Teeth	Type	Bush Size	Material	De	Dp	Df	Dm	Di	F	S	R	Mass kg
20-H-300	20	4FB	1615	S	79.48	80.85	87	-	65	84	38	23.0	1.5
21-H-300	21	4FB	1615	S	83.52	84.89	91	-	66	84	38	23.0	12.0
22-H-300	22	4FB	1615	S	87.56	88.94	94	-	67	84	38	23.0	1.6
23-H-300	23	4FB	1615	S	91.61	92.98	102	-	71	84	38	23.0	1.8
24-H-300	24	4FB	1615	S	95.65	97.02	102	-	75	84	38	23.0	2.1
25-H-300	25	4FB	1615	CI	99.69	101.06	112	-	79	84	38	23.0	2.0
26-H-300	26	4FB	1615	CI	103.73	105.11	112	-	83	84	38	23.0	2.7
27-H-300	27	4FB	2012	CI	107.78	109.15	120	-	87	84	32	26.0	3.0
28-H-300	28	4FB	2012	CI	111.82	113.19	120	-	91	84	32	26.0	3.4
30-H-300	30	4FB	2012	CI	119.90	121.28	128	-	99	84	32	26.0	3.9
32-H-300	32	4FB	2517	CI	127.99	129.36	135	-	107	84	45	19.5	4.3
36-H-300	36	4FB	2517	CI	144.16	145.53	158	-	124	84	45	19.5	4.5
40-H-300	40	4FB	2517	CI	160.33	161.70	168	-	137	84	45	19.5	6.0
44-H-300	44	4FW	2517	CI	176.50	177.87	184	119	153	86	45	20.5	6.5
48-H-300	48	4FW	2517	CI	192.67	194.04	200	119	169	86	45	20.5	7.6
60-H-300	60	9A	2517	CI	241.18	242.55	-	119	223	86	45	20.5	8.4
72-H-300	72	9A	2517	CI	289.69	291.06	-	119	270	86	45	20.5	10.4
84-H-300	84	9A	2517	CI	338.20	339.57	-	119	320	86	45	20.5	12.5
96-H-300	96	9A	3030	CI	386.71	338.08	-	150	362	86	76	5.0	14.2
120-H-300	120	9A	3030	CI	483.73	485.10	-	150	460	86	76	5.0	18.8

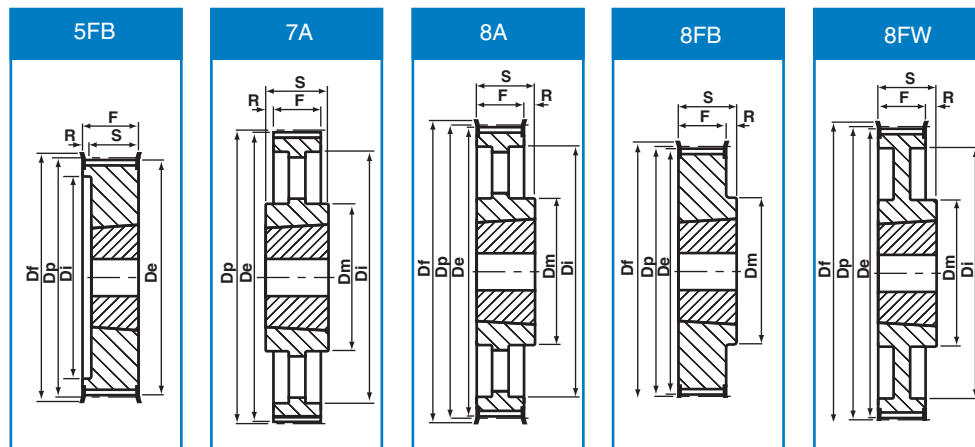


Material; S = Steel, CI = Cast Iron

HTD® Taper Bore

5mm Pitch 5M-15 (15mm Wide Belt)

Product Description	Number of Teeth	Type	Bush Size	Material	Dp	De	Df	Dm	Di	F	S	R	Mass kg
34-5M-15	34	8FB	1008	S	54.11	52.97	57.00	43	-	20.5	22	1.50	0.19
36-5M-15	36	8FB	1108	S	57.30	56.16	60.00	44	-	20.5	22	1.50	0.20
38-5M-15	38	8FB	1108	S	60.48	59.34	66.00	48	-	20.5	22	1.50	0.25
40-5M-15	40	8FB	1108	S	63.66	62.52	71.00	52	-	20.5	22	1.50	0.31
44-5M-15	44	8FB	1108	S	70.03	68.89	75.00	54	-	20.5	22	1.50	0.40
48-5M-15	48	8FB	1210	S	76.39	75.25	83.00	64	-	20.5	25	4.50	0.45
56-5M-15	56	8FB	1210	S	89.13	87.99	93.00	70	-	20.5	25	4.50	0.67
64-5M-15	64	8FB	1210	CI	101.86	100.72	106.00	78	-	20.5	25	4.50	0.96
72-5M-15	72	8FB	1610	CI	114.59	113.45	119.00	90	-	20.5	25	4.50	1.19
80-5M-15	80	8FB	1610	CI	127.32	126.18	135.00	92	-	20.5	25	4.50	1.57
90-5M-15	90	7A	1610	CI	143.24	142.10	-	92	126	20.5	25	2.30	1.47
112-5M-15	112	7A	1610	CI	178.25	177.11	-	92	162	20.5	25	2.30	1.94
136-5M-15	136	7A	2012	CI	216.45	215.31	-	106	199	20.5	32	5.80	3.06
150-5M-15	150	7A	2012	CI	238.73	237.59	-	106	222	20.5	32	5.80	3.90



Material; S = Steel, CI = Cast Iron

8mm Pitch 8M-20 (20mm Wide Belt)

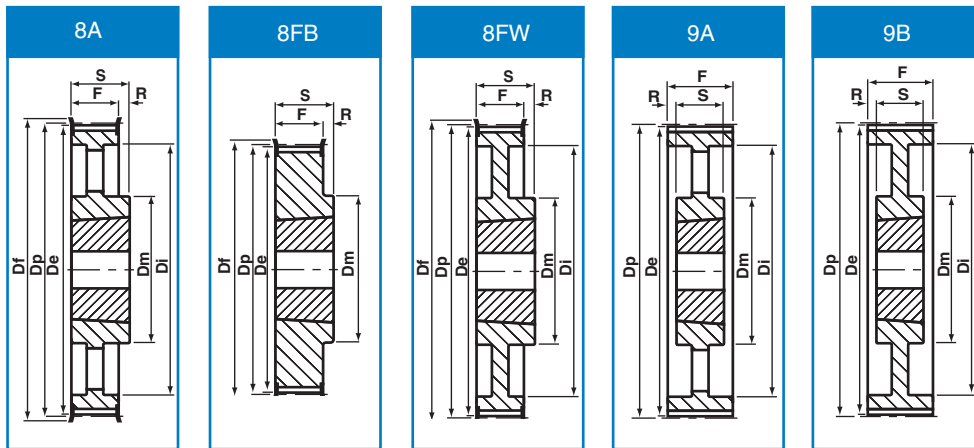
Product Description	Number of Teeth	Type	Bush Size	Material	Dp	De	Df	Dm	Di	F	S	R	Mass kg
22-8M-20	22	5FB	1008	S	56.02	54.65	60.00	-	41	28	22	6.00	0.24
24-8M-20	24	5FB	1108	S	61.12	59.75	66.00	-	42	28	22	6.00	0.30
26-8M-20	26	5FB	1108	S	66.21	64.84	71.00	-	46	28	22	6.00	0.36
28-8M-20	28	5FB	1108	S	71.30	70.08	75.00	-	50	28	22	6.00	0.44
30-8M-20	30	5FB	1108	S	76.39	75.13	83.00	-	58	28	22	6.00	0.53
32-8M-20	32	5FB	1610	S	81.49	80.16	87.00	-	62	28	25	3.00	0.42
34-8M-20	34	5FB	1610	S	86.58	85.22	91.00	-	65	28	25	3.00	0.55
36-8M-20	36	5FB	1610	S	91.67	90.30	98.50	-	68	28	25	3.00	0.68
38-8M-20	38	5FB	1610	S	96.77	95.39	103.00	-	72	28	25	3.00	0.80
40-8M-20	40	5FB	1610	CI	101.86	100.49	106.00	-	76	28	25	3.00	1.00
44-8M-20	44	8FB	2012	CI	112.05	110.67	119.00	93	-	28	32	4.00	1.20
48-8M-20	48	8FB	2012	CI	122.23	120.86	127.00	96	-	28	32	4.00	1.60
56-8M-20	56	8FB	2012	CI	142.60	141.23	148.00	110	-	28	32	4.00	2.40
64-8M-20	64	8FW	2012	CI	162.97	161.60	168.00	110	137	28	32	4.00	2.70
72-8M-20	72	8FW	2012	CI	183.35	181.97	192.00	110	158	28	32	4.00	3.30
80-8M-20	80	8FW	2012	CI	203.72	202.35	-	110	180	28	32	4.00	3.50
90-8M-20	90	8A	2012	CI	229.18	227.81	-	110	204	28	32	4.00	3.65
112-8M-20	112	8A	2517	CI	285.21	283.83	-	125	260	28	45	7.00	6.20
144-8M-20	144	8A	2517	CI	366.69	365.32	-	125	341	28	45	7.00	9.00
168-8M-20	168	7A	3525	CI	427.81	426.44	-	190	402	28	65	2.50	16.40
192-8M-20	192	7A	3525	CI	488.92	487.55	-	190	460	28	65	2.50	21.80

Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused. All dimensions in millimetres unless otherwise stated.

HTD® Taper Bore

8mm Pitch 8M-30 (30mm Wide Belt)

Product Description	Number of Teeth	Type	Bush Size	Material	Dp	De	Df	Dm	Di	F	S	R	Mass kg
22-8M-30	22	5FB	1008	S	56.02	54.65	60.00	-	41	38	22	6.00	0.24
24-8M-30	24	5FB	1108	S	61.12	59.75	66.00	-	42	38	22	16.00	0.38
26-8M-30	26	5FB	1108	S	66.21	64.84	71.00	-	46	38	22	16.00	0.45
28-8M-30	28	5FB	1108	S	71.30	70.08	75.00	-	50	38	25	13.00	0.50
30-8M-30	30	1FB	1615	S	76.39	75.13	83.00	-	-	38	38	-	0.55
32-8M-30	32	1FB	1615	S	81.49	80.16	87.00	-	-	38	38	-	0.59
34-8M-30	34	1FB	1615	S	86.58	85.22	91.00	-	-	38	38	-	0.77
36-8M-30	36	1FB	1615	S	91.67	90.30	98.50	-	-	38	38	-	0.96
38-8M-30	38	1FB	1615	CI	96.77	95.39	103.00	-	-	38	38	-	1.15
40-8M-30	40	1FB	1615	CI	101.86	100.49	106.00	-	-	38	38	-	1.34
44-8M-30	44	4FB	2012	CI	112.05	110.67	119.00	-	91	38	32	3.00	1.33
48-8M-30	48	4FB	2012	CI	122.23	120.86	127.00	-	95	38	32	3.00	1.78
56-8M-30	56	4FB	2012	CI	142.60	141.23	148.00	-	117	38	32	3.00	3.76
64-8M-30	64	8FB	2517	CI	162.97	161.60	168.00	125	-	38	45	7.00	4.20
72-8M-30	72	8FW	2517	CI	183.35	181.97	192.00	125	158	38	45	7.00	4.30
80-8M-30	80	8FW	2517	CI	203.72	202.35	-	125	180	38	45	7.00	4.60
90-8M-30	90	8A	2517	CI	229.18	227.81	-	125	204	38	45	7.00	5.00
112-8M-30	112	8A	2517	CI	285.21	283.83	-	125	260	38	45	7.00	6.20
144-8M-30	144	8A	2517	CI	366.69	365.32	-	125	341	38	45	7.00	9.00



Material; S = Steel, CI = Cast Iron

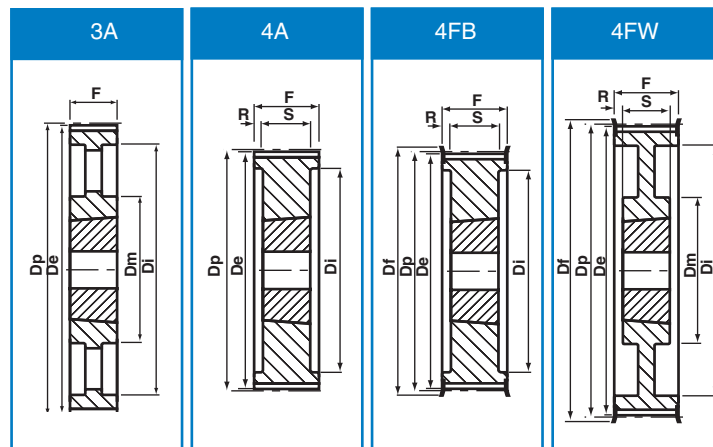
8mm Pitch 8M-50 (50mm Wide Belt)

Product Description	Number of Teeth	Type	Bush Size	Material	Dp	De	Df	Dm	Di	F	S	R	Mass kg
28-8M-50	28	5FB	1210	S	71.30	70.08	75.00	-	50	60	25	35.00	0.60
30-8M-50	30	5FB	1615	S	76.39	75.13	83.00	-	58	60	38	22.00	0.65
32-8M-50	32	5FB	1615	S	81.49	80.16	87.00	-	62	60	38	22.00	0.82
34-8M-50	34	5FB	1615	S	86.58	85.22	91.00	-	65	60	38	22.00	1.10
36-8M-50	36	5FB	1615	S	91.67	90.30	98.50	-	68	60	38	22.00	1.30
38-8M-50	38	5FB	1615	S	96.77	95.39	103.00	-	72	60	38	22.00	1.60
40-8M-50	40	4FB	2012	CI	101.86	100.49	106.00	-	82	60	32	14.00	1.71
44-8M-50	44	4FB	2012	CI	112.05	110.67	119.00	-	91	60	32	14.00	1.78
48-8M-50	48	4FB	2012	CI	122.23	120.86	127.00	-	96	60	32	14.00	2.30
56-8M-50	56	4FB	2517	CI	142.60	141.23	148.00	-	116	60	45	7.50	3.40
64-8M-50	64	4FB	2517	CI	162.97	161.60	168.00	-	137	60	45	7.50	5.00
72-8M-50	72	4FB	2517	CI	183.35	181.97	192.00	125	158	60	45	7.50	6.70
80-8M-50	80	4A	3020	CI	203.72	202.35	-	-	180	60	51	4.50	8.80
90-8M-50	90	9B	3020	CI	229.18	227.81	-	170	204	60	51	4.50	10.00
112-8M-50	112	9B	3020	CI	285.21	283.83	-	170	260	60	51	4.50	12.00
144-8M-50	144	9A	3020	CI	366.69	365.32	-	170	341	60	51	4.50	15.20
168-8M-50	168	7A	3525	CI	427.81	426.44	-	190	402	60	65	2.50	16.40
192-8M-50	192	7A	3525	CI	488.92	487.55	-	190	460	60	65	2.50	21.80

HTD® Taper Bore

8mm Pitch 8M-85 (85mm Wide Belt)

Product Description	Number of Teeth	Type	Bush Size	Material	Dp	De	Df	Dm	Di	F	S	R	Mass kg
34-8M-85	34	4FB	1615	S	86.58	85.22	91.00	-	65	95	38	28.50	1.43
36-8M-85	36	4FB	1615	S	91.67	90.30	98.50	-	68	95	38	28.50	1.87
38-8M-85	38	4FB	1615	S	96.77	95.39	103.00	-	72	95	38	28.50	2.20
40-8M-85	40	4FB	2012	CI	101.86	100.49	106.00	-	82	95	32	31.50	1.80
44-8M-85	44	4FB	2012	CI	112.05	110.67	119.00	-	91	95	32	31.50	2.30
48-8M-85	48	4FB	2517	CI	122.23	120.86	127.00	-	100	95	45	25.00	2.66
56-8M-85	56	4FB	2517	CI	142.60	141.23	148.00	-	117	95	45	25.00	4.45
64-8M-85	64	4FB	2517	CI	162.97	161.60	168.00	-	137	95	45	25.00	6.20
72-8M-85	72	4FB	3020	CI	183.35	181.97	192.00	-	158	95	51	22.00	8.00
80-8M-85	80	4A	3020	CI	203.72	202.35	-	-	180	95	51	22.00	10.00
90-8M-85	90	9B	3020	CI	229.18	227.81	-	170	204	95	51	22.00	10.80
112-8M-85	112	9B	3020	CI	285.21	283.83	-	170	260	95	51	22.00	15.00
144-8M-85	144	9A	3525	CI	366.69	365.32	-	190	341	95	65	15.00	20.00
168-8M-85	168	9A	3525	CI	427.81	426.44	-	190	402	95	65	15.00	23.00
192-8M-85	192	9A	3525	CI	488.92	487.55	-	190	460	95	65	15.00	28.50



Material; S = Steel, CI = Cast Iron

14mm Pitch 14M-40 (40mm Wide Belt)

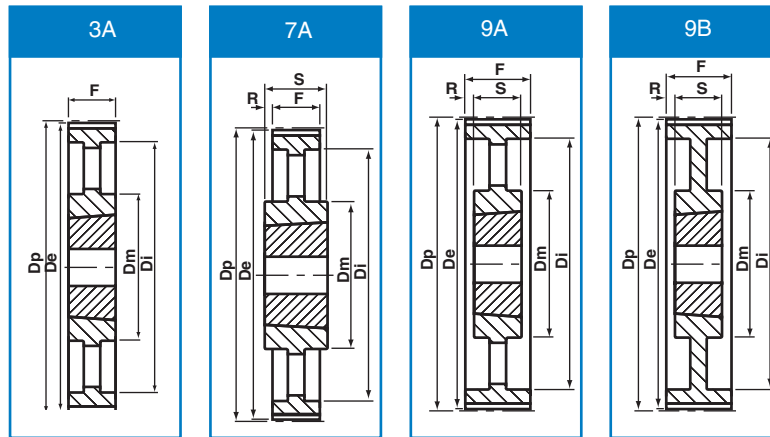
Product Description	Number of Teeth	Type	Bush Size	Material	Dp	De	Df	Dm	Di	F	S	R	Mass kg
28-14M-40	28	4FB	2012	CI	124.78	122.12	127.00	-	98	54	32	11.00	2.10
29-14M-40	29	4FB	2012	CI	129.23	126.57	138.00	-	100	54	32	11.00	2.38
30-14M-40	30	4FB	2012	CI	133.69	130.99	138.00	-	100	54	32	11.00	2.65
32-14M-40	32	4FB	2012	CI	142.60	139.88	154.00	-	104	54	32	11.00	3.40
34-14M-40	34	4FB	2517	CI	151.52	148.79	160.00	-	110	54	45	4.50	3.87
36-14M-40	36	4FB	2517	CI	160.43	157.68	168.00	-	120	54	45	4.50	4.80
38-14M-40	38	4FB	2517	CI	169.34	166.60	183.00	-	130	54	45	4.50	5.40
40-14M-40	40	4FB	2517	CI	178.28	175.49	188.00	-	138	54	45	4.50	6.00
44-14M-40	44	4FB	3020	CI	196.08	193.28	211.00	-	155	54	51	1.50	7.80
48-14M-40	48	4FB	3020	CI	213.90	211.11	226.00	-	170	54	51	1.50	9.40
56-14M-40	56	4FW	3020	CI	249.55	246.76	256.00	170	208	54	51	1.50	10.10
64-14M-40	64	4FW	3020	CI	285.21	282.41	296.00	170	242	54	51	1.50	13.40
72-14M-40	72	9B	3020	CI	320.86	318.06	-	170	280	54	51	1.50	15.20
80-14M-40	80	9A	3020	CI	356.51	353.71	-	170	315	54	51	1.50	16.00
90-14M-40	90	9A	3020	CI	401.07	398.28	-	170	360	54	51	1.50	17.80
112-14M-40	112	9A	3020	CI	499.11	496.32	-	170	457	54	51	1.50	25.60
144-14M-40	144	9A	3020	CI	641.71	638.92	-	170	600	54	51	1.50	32.00
168-14M-40	168	9A	3020	CI	748.66	745.87	-	170	706	54	51	1.50	44.00
192-14M-40	192	9A	3020	CI	855.62	852.82	-	170	813	54	51	1.50	49.00
216-14M-40	216	9A	3020	CI	962.57	959.76	-	170	920	54	51	1.50	55.00

Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused. All dimensions in millimetres unless otherwise stated.

HTD® Taper Bore

14mm Pitch 14M-55 (55mm Wide Belt)

Product Description	Number of Teeth	Type	Bush Size	Material	Dp	De	Df	Dm	Di	F	S	R	Mass kg
28-14M-55	28	4FB	2012	CI	124.78	122.12	127.00	-	98	70	32	19.00	2.20
29-14M-55	29	4FB	2012	CI	129.23	126.57	138.00	-	100	70	32	19.00	2.74
30-14M-55	30	4FB	2517	CI	133.69	130.99	138.00	-	100	70	45	12.50	2.70
32-14M-55	32	4FB	2517	CI	142.60	139.88	154.00	-	108	70	45	12.50	3.66
34-14M-55	34	4FB	2517	CI	151.52	148.79	160.00	-	110	70	45	12.50	4.55
36-14M-55	36	4FB	2517	CI	160.43	157.68	168.00	-	120	70	45	12.50	5.20
38-14M-55	38	4FB	2517	CI	169.34	166.60	183.00	-	130	70	45	12.50	6.20
40-14M-55	40	4FB	2517	CI	178.25	175.49	188.00	-	138	70	45	12.50	7.00
44-14M-55	44	4FB	3020	CI	196.08	193.28	211.00	-	155	70	51	9.50	8.60
48-14M-55	48	4FB	3020	CI	213.90	211.11	226.00	-	170	70	51	9.50	10.40
56-14M-55	56	4FW	3020	CI	249.55	246.76	256.00	170	208	70	51	9.50	12.00
64-14M-55	64	4FW	3020	CI	285.21	282.41	296.00	170	242	70	51	9.50	14.50
72-14M-55	72	9B	3020	CI	320.86	318.06	-	170	280	70	51	9.50	16.20
80-14M-55	80	9A	3020	CI	356.51	353.71	-	170	315	70	51	9.50	17.50
90-14M-55	90	9A	3020	CI	401.07	398.28	-	170	360	70	51	9.50	20.10
112-14M-55	112	9A	3020	CI	499.11	496.32	-	170	457	70	51	9.50	28.40
144-14M-55	144	9A	3020	CI	641.71	638.92	-	170	600	70	51	9.50	36.20
168-14M-55	168	9A	3020	CI	748.66	745.87	-	170	706	70	51	9.50	49.00
192-14M-55	192	9A	3020	CI	855.62	852.82	-	170	813	70	51	9.50	53.00
216-14M-55	216	7A	3535	CI	962.57	959.76	-	190	920	70	89	9.50	65.90



Material; CI = Cast Iron

14mm Pitch 14M-85 (85mm Wide Belt)

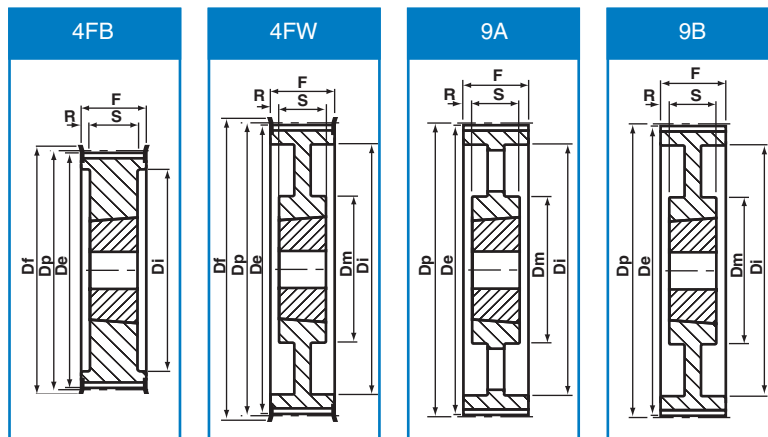
Product Description	Number of Teeth	Type	Bush Size	Material	Dp	De	Df	Dm	Di	F	S	R	Mass kg
28-14M-85	28	4FB	2517	CI	124.78	122.12	127.00	-	98	102	45	28.50	2.70
29-14M-85	29	4FB	2517	CI	129.23	126.57	138.00	-	100	102	45	28.50	3.40
30-14M-85	30	4FB	2517	CI	133.69	130.99	138.00	-	100	102	45	28.50	3.75
32-14M-85	32	4FB	2517	CI	142.60	139.88	154.00	-	108	102	45	28.50	4.80
34-14M-85	34	4FB	2517	CI	151.52	148.79	160.00	-	110	102	45	28.50	6.00
36-14M-85	36	4FB	3020	CI	160.43	157.68	168.00	-	125	102	51	25.50	5.80
38-14M-85	38	4FB	3020	CI	169.34	166.60	183.00	-	130	102	51	25.50	6.80
40-14M-85	40	4FB	3020	CI	178.25	175.49	188.00	-	138	102	51	25.50	8.00
44-14M-85	44	4FB	3030	CI	196.08	193.28	211.00	-	155	102	76	13.00	11.80
48-14M-85	48	4FB	3030	CI	213.90	211.11	226.00	-	170	102	76	13.00	15.10
56-14M-85	56	4FB	3535	CI	249.55	246.76	256.00	190	210	102	89	6.50	18.00
64-14M-85	64	4FW	3535	CI	285.21	282.41	296.00	190	242	102	89	6.50	23.00
72-14M-85	72	9B	3535	CI	320.86	318.06	-	190	280	102	89	6.50	25.00
80-14M-85	80	9A	3535	CI	356.51	353.71	-	190	315	102	89	6.50	26.00
90-14M-85	90	9A	3535	CI	401.07	398.28	-	190	360	102	89	6.50	28.00
112-14M-85	112	9A	3535	CI	499.11	496.32	-	190	457	102	89	6.50	36.50
144-14M-85	144	9A	3535	CI	641.71	638.92	-	190	600	102	89	6.50	48.00
168-14M-85	168	9A	3535	CI	748.66	745.87	-	190	706	102	89	6.50	60.00
192-14M-85	192	3A	4040	CI	855.62	852.82	-	230	813	102	102	-	86.00
216-14M-85	216	3A	4040	CI	962.57	959.76	-	230	920	102	102	-	91.50

All dimensions in millimetres unless otherwise stated. Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused

HTD® Taper Bore

14mm Pitch 14M-115 (115mm Wide Belt)

Product Description	Number of Teeth	Type	Bush Size	Material	Dp	De	Df	Dm	Di	F	S	R	Mass kg
28-14M-115	28	4FB	2517	CI	124.78	122.12	127.00	-	98	133	45	44.00	3.70
29-14M-115	29	4FB	2517	CI	129.23	126.57	138.00	-	100	133	45	44.00	4.00
30-14M-115	30	4FB	2517	CI	133.69	130.99	138.00	-	100	133	45	44.00	5.00
32-14M-115	32	4FB	2517	CI	142.60	139.88	154.00	-	108	133	45	44.00	6.80
34-14M-115	34	4FB	2517	CI	151.52	148.79	160.00	-	110	133	45	44.00	6.80
36-14M-115	36	4FB	3020	CI	160.43	157.68	168.00	-	125	133	51	41.00	7.00
38-14M-115	38	4FB	3020	CI	169.34	166.60	183.00	-	130	133	51	41.00	8.40
40-14M-115	40	4FB	3020	CI	178.25	175.49	188.00	-	140	133	51	41.00	9.20
44-14M-115	44	4FB	3030	CI	196.08	193.28	211.00	-	155	133	76	28.50	14.00
48-14M-115	48	4FB	3030	CI	213.90	211.11	226.00	-	170	133	76	28.50	17.10
56-14M-115	56	4FB	3535	CI	249.55	246.76	265.00	-	210	133	89	22.00	24.80
64-14M-115	64	4FW	3535	CI	285.21	282.41	296.00	190	242	133	89	22.00	27.00
72-14M-115	72	9B	3535	CI	320.86	318.06	-	190	280	133	89	22.00	29.00
80-14M-115	80	9A	3535	CI	356.51	353.71	-	190	315	133	89	22.00	32.00
90-14M-115	90	9A	3535	CI	401.07	398.28	-	190	360	133	89	22.00	36.50
112-14M-115	112	9A	3535	CI	499.11	496.32	-	190	457	133	89	22.00	46.00
144-14M-115	144	9A	4040	CI	641.71	638.92	-	230	600	133	102	15.50	68.00
168-14M-115	168	9A	4040	CI	748.66	745.87	-	230	706	133	102	15.50	82.60
192-14M-115	192	9A	4040	CI	855.62	852.82	-	230	813	133	102	15.50	96.00
216-14M-115	216	9A	4040	CI	962.57	959.76	-	230	920	133	102	15.50	107.00



Material; CI = Cast Iron

14mm Pitch 14M-170 (170mm Wide Belt)

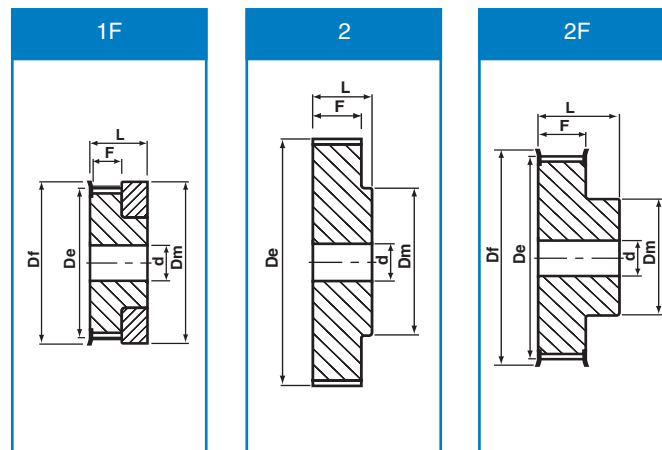
Product Description	Number of Teeth	Type	Bush Size	Material	Dp	De	Df	Dm	Di	F	S	R	Mass kg
38-14M-170	38	4FB	3030	CI	169.34	166.60	183.00	-	130	187	76	55.50	11.70
40-14M-170	40	4FB	3030	CI	178.25	175.49	188.00	-	140	187	76	55.50	13.00
44-14M-170	44	4FB	3535	CI	196.08	193.28	211.00	-	155	187	89	49.00	15.00
48-14M-170	48	4FB	3535	CI	213.90	211.11	226.00	-	175	187	89	49.00	19.00
56-14M-170	56	4FB	3535	CI	249.55	246.76	256.00	-	210	187	89	49.00	28.50
64-14M-170	64	4FB	4040	CI	285.21	282.41	296.00	-	240	187	102	42.50	41.00
72-14M-170	72	9B	4040	CI	320.86	318.06	-	230	280	187	102	42.50	46.90
80-14M-170	80	9B	4040	CI	356.51	353.71	-	230	315	187	102	42.50	48.00
90-14M-170	90	9A	4040	CI	401.07	398.28	-	230	360	187	102	42.50	52.50
112-14M-170	112	9A	5050	CI	499.11	496.32	-	265	456	187	127	30.00	74.50
144-14M-170	144	9A	5050	CI	641.71	638.92	-	265	600	187	127	30.00	91.00
168-14M-170	168	9A	5050	CI	748.66	745.87	-	265	706	187	127	30.00	116.00
192-14M-170	192	9A	5050	CI	855.62	852.82	-	265	813	187	127	30.00	134.00
216-14M-170	216	9A	5050	CI	962.57	959.76	-	265	920	187	127	30.00	146.50

Metric Timing Pilot Bore

T2.5 Pitch = 2.5mm Belt Width = 6mm

Teeth	Type	De	Df	Dm	F	L	d	Mass kg
12	1F	9.00	13	12	9	16	4	0.003
14	1F	10.60	15	14	9	16	4	0.004
15	1F	11.40	15	15	9	16	4	0.005
18	2F	13.80	18	10	10	16	4	0.006
19	2F	14.60	18	10	10	16	4	0.007
20	2F	15.40	20	12	10	16	4	0.008
24	2F	18.55	23	12	10	16	4	0.012
25	2F	19.35	23	14	10	16	4	0.013
30	2F	23.35	28	16	10	16	6	0.018
32	2F	24.95	32	16	10	16	6	0.020
36	2F	28.10	37	20	10	16	6	0.026
40	2F	31.30	38	22	10	16	6	0.032
48	2	37.70		26	10	16	6	0.048
60	2	47.25		34	10	16	8	0.073

Material; Aluminium



Metric Timing Pilot Bore

T5 Pitch = 5mm Belt Width = 10mm

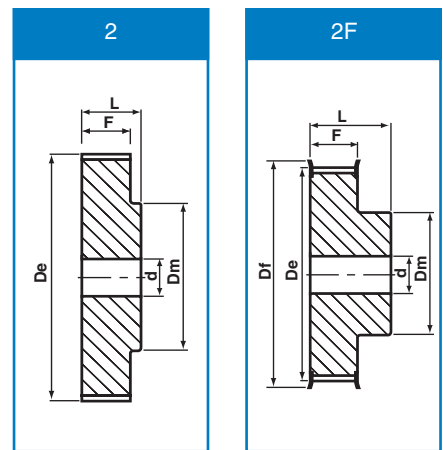
Teeth	Type	De	Df	Dm	F	L	d	Mass kg
10	2F	15.05	20	8	15	21	6	0.012
12	2F	18.25	23	11	15	21	6	0.016
14	2F	21.45	25	14	15	21	6	0.019
15	2F	23.05	28	16	15	21	6	0.021
16	2F	24.60	32	18	15	21	6	0.025
18	2F	27.80	32	20	15	21	6	0.031
19	2F	29.40	36	22	15	21	6	0.036
20	2F	31.00	36	23	15	21	6	0.038
22	2F	34.15	38	24	15	21	6	0.046
24	2F	37.40	42	26	15	21	6	0.054
25	2F	38.95	44	26	15	21	6	0.058
26	2F	40.60	44	26	15	21	6	0.061
27	2F	42.20	48	30	15	21	8	0.064
28	2F	43.75	48	32	15	21	8	0.068
30	2F	46.95	51	34	15	21	8	0.075
32	2F	50.10	54	38	15	21	8	0.088
36	2F	56.45	63	38	15	21	8	0.114
40	2F	62.85	66	40	15	21	8	0.138
42	2F	66.00	71	40	15	21	8	0.160
44	2	69.20		45	15	21	8	0.174
48	2	75.55		50	15	21	8	0.200
60	2	94.65		65	15	21	8	0.307

T5 Pitch = 5mm Belt Width = 16mm

Teeth	Type	De	Df	Dm	F	L	d	Mass kg
10	2F	15.05	20	8	21	27	6	0.016
12	2F	18.25	23	11	21	27	6	0.022
14	2F	21.45	25	14	21	27	6	0.026
15	2F	23.05	28	16	21	27	6	0.029
16	2F	24.60	32	18	21	27	6	0.035
18	2F	27.80	32	20	21	27	6	0.043
19	2F	29.40	36	22	21	27	6	0.049
20	2F	31.00	36	23	21	27	6	0.053
22	2F	34.15	38	24	21	27	6	0.065
24	2F	37.40	42	26	21	27	6	0.076
25	2F	38.95	44	26	21	27	6	0.082
26	2F	40.60	44	26	21	27	6	0.085
27	2F	42.20	48	30	21	27	8	0.090
28	2F	43.75	48	32	21	27	8	0.098
30	2F	46.95	51	34	21	27	8	0.105
32	2F	50.10	54	38	21	27	8	0.123
36	2F	56.45	63	38	21	27	8	0.160
40	2F	62.85	66	40	21	27	8	0.193
42	2F	66.00	71	40	21	27	8	0.215
44	2	69.20		45	21	27	8	0.234
48	2	75.55		50	21	27	8	0.280
60	2	94.65		65	21	27	8	0.430

T5 Pitch = 5mm Belt Width = 25mm

Teeth	Type	De	Df	Dm	F	L	d	Mass kg
10	2F	15.05	20	8	30	36	6	0.023
12	2F	18.25	23	11	30	36	6	0.031
14	2F	21.45	25	14	30	36	6	0.037
15	2F	23.05	28	16	30	36	6	0.041
16	2F	24.60	32	18	30	36	6	0.050
18	2F	27.80	32	20	30	36	6	0.061
19	2F	29.40	36	22	30	36	6	0.070
20	2F	31.00	36	23	30	36	6	0.076
22	2F	34.15	38	24	30	36	6	0.090
24	2F	37.40	42	26	30	36	6	0.109
25	2F	38.95	44	26	30	36	6	0.116
26	2F	40.60	44	26	30	36	6	0.124
27	2F	42.20	48	30	30	36	8	0.128
28	2F	43.75	48	32	30	36	8	0.140
30	2F	46.95	51	34	30	36	8	0.150
32	2F	50.10	54	38	30	36	8	0.176
36	2F	56.45	63	38	30	36	8	0.230
40	2F	62.85	66	40	30	36	8	0.276
42	2F	66.00	71	40	30	36	8	0.310
44	2	69.20		45	30	36	8	0.344
48	2	75.55		50	30	36	8	0.400
60	2	94.65		65	30	36	8	0.614



Material; Aluminium

Metric Timing Pilot Bore

T10 Pitch = 10mm Belt Width = 16mm

Teeth	Type	De	Df	Dm	F	L	d	Mass kg
12	2F	36.35	42	28	21	31	6	0.076
14	2F	42.70	48	32	21	31	8	0.104
15	2F	45.90	51	32	21	31	8	0.116
16	2F	49.10	54	35	21	31	8	0.134
18	2F	55.45	60	40	21	31	8	0.167
19	2F	58.65	66	44	21	31	8	0.184
20	2F	61.80	66	46	21	31	8	0.208
22	2F	68.20	75	52	21	31	8	0.249
24	2F	74.55	83	58	21	31	8	0.288
25	2F	77.75	83	60	21	31	8	0.310
26	2F	80.90	87	60	21	31	8	0.337
27	2F	84.10	91	60	21	31	8	0.364
28	2F	87.25	93	60	21	31	8	0.399
30	2F	93.65	97	60	21	31	8	0.441
32	2F	100.00	106	65	21	31	10	0.493
36	2F	112.75	119	70	21	31	10	0.623
40	2F	125.45	131	80	21	31	10	0.767
44	2	138.20		88	21	31	10	0.932
48	2	150.95		95	21	31	16	1.090
60	2	189.10		110	21	31	16	1.701

T10 Pitch = 10mm Belt Width = 25mm

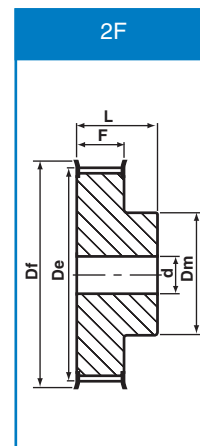
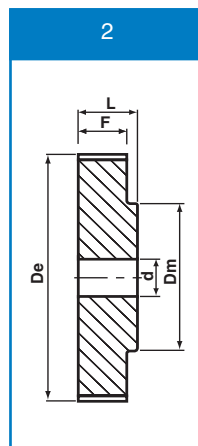
Teeth	Type	De	Df	Dm	F	L	d	Mass kg
12	2F	36.35	42	28	30	40	6	0.099
14	2F	42.70	48	32	30	40	8	0.134
15	2F	45.90	51	32	30	40	8	0.152
16	2F	49.10	54	35	30	40	8	0.176
18	2F	55.45	60	40	30	40	8	0.224
19	2F	58.65	66	44	30	40	8	0.247
20	2F	61.80	66	46	30	40	8	0.276
22	2F	68.20	75	52	30	40	8	0.378
24	2F	74.55	83	58	30	40	8	0.392
25	2F	77.75	83	60	30	40	8	0.422
26	2F	80.90	87	60	30	40	8	0.485
27	2F	84.10	91	60	30	40	8	0.536
28	2F	87.25	93	60	30	40	8	0.585
30	2F	93.65	97	60	30	40	8	0.640
32	2F	100.00	106	65	30	40	10	0.693
36	2F	112.75	119	70	30	40	10	0.873
40	2F	125.45	131	80	30	40	10	1.067
44	2	138.20		88	30	40	10	1.310
48	2	150.95		95	30	40	16	1.516
60	2	189.10		110	30	40	16	2.339

T10 Pitch = 10mm Belt Width = 32mm

Teeth	Type	De	Df	Dm	F	L	d	Mass kg
18	2F	55.45	60	40	37	47	10	0.253
19	2F	58.65	66	44	37	47	10	0.286
20	2F	61.80	66	46	37	47	12	0.322
22	2F	68.20	75	52	37	47	12	0.393
24	2F	74.55	83	58	37	47	12	0.475
25	2F	77.75	83	60	37	47	12	0.527
26	2F	80.90	87	60	37	47	12	0.564
27	2F	84.10	91	60	37	47	12	0.602
28	2F	87.25	93	60	37	47	12	0.642
30	2F	93.65	97	60	37	47	12	0.740
32	2F	100.00	106	65	37	47	12	0.844
36	2F	112.75	119	70	37	47	16	1.083
40	2F	125.45	131	80	37	47	16	1.317
44	2	138.20		88	37	47	16	1.611
48	2	150.95		95	37	47	16	1.931
60	2	189.10		110	37	47	16	3.004

T10 Pitch = 10mm Belt Width = 50mm

Teeth	Type	De	Df	Dm	F	L	d	Mass kg
18	2F	55.45	60	40	56	66	10	0.422
19	2F	58.65	66	44	56	66	10	0.466
20	2F	61.80	66	46	56	66	12	0.520
22	2F	68.20	75	52	56	66	12	0.631
24	2F	74.55	83	58	56	66	12	0.736
25	2F	77.75	83	60	56	66	12	0.766
26	2F	80.90	87	60	56	66	12	0.847
27	2F	84.10	91	60	56	66	12	0.946
28	2F	87.25	93	60	56	66	12	1.074
30	2F	93.65	97	60	56	66	12	1.169
32	2F	100.00	106	65	56	66	12	1.300
36	2F	112.75	119	75	56	66	16	1.637
40	2F	125.45	131	80	56	66	16	1.999
44	2	138.20		88	56	66	16	2.386
48	2	150.95		95	56	66	16	2.830
60	2	189.10		110	56	60	16	4.366



Material; Aluminium

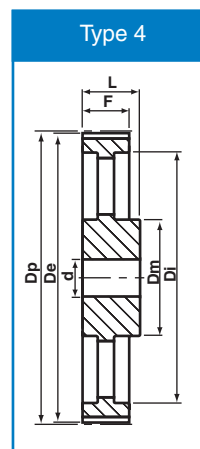
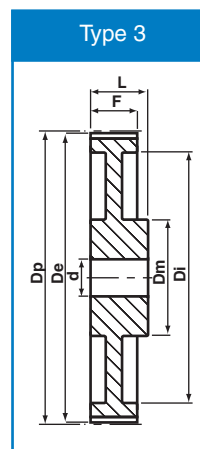
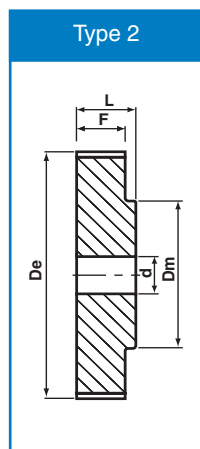
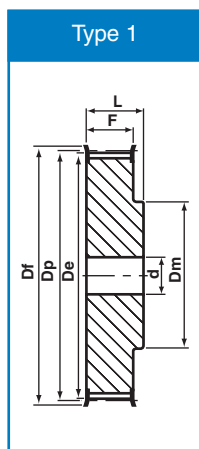
Timing Pilot Bore

XL037 Pitch 1/5" (5.08 mm)

Product	Type	Mat.	De	Dp	Df	Dm	F	L	d
10-XL-037	1	S	15.66	16.17	23	10	14.3	20	6
11-XL-037	1	S	17.28	17.79	23	10	14.3	20	6
12-XL-037	1	S	18.90	19.40	25	10	14.3	20	6
13-XL-037	1	CI	20.51	21.02	25	10	14.3	20	6
14-XL-037	1	CI	22.13	22.64	28	15	14.3	20	6
15-XL-037	1	CI	23.75	24.26	28	16	14.3	20	6
16-XL-037	1	CI	25.36	25.87	32	20	14.3	20	6
17-XL-037	1	CI	26.98	27.49	32	20	14.3	20	6
18-XL-037	1	CI	28.60	29.11	35	20	14.3	20	6
19-XL-037	1	CI	30.22	30.72	35	24	14.3	22	6
20-XL-037	1	CI	31.83	32.34	38	24	14.3	22	6
21-XL-037	1	CI	33.45	33.96	38	25	14.3	22	6
22-XL-037	1	CI	35.07	35.57	41	25	14.3	22	6
23-XL-037	1	CI	36.68	37.19	41	30	14.3	22	8
24-XL-037	1	CI	38.30	38.81	44	30	14.3	22	8
25-XL-037	1	CI	39.92	40.43	44	30	14.3	22	8
26-XL-037	1	CI	41.53	42.04	48	34	14.3	22	8
27-XL-037	1	CI	43.15	43.66	48	34	14.3	22	8
28-XL-037	1	CI	44.77	45.28	51	38	14.3	22	8
29-XL-037	1	CI	46.39	46.90	51	38	14.3	22	8
30-XL-037	1	CI	48.00	48.51	54	38	14.3	22	8
32-XL-037	1	CI	51.24	51.74	57	38	14.3	25	8
34-XL-037	1	CI	54.47	54.98	61	45	14.3	25	8
35-XL-037	1	CI	56.09	56.60	61	45	14.3	25	8
36-XL-037	2	CI	57.70	58.21	-	45	14.3	25	8
38-XL-037	2	CI	60.94	61.45	-	45	14.3	25	8
39-XL-037	2	CI	62.56	63.06	-	45	14.3	25	8
40-XL-037	2	CI	64.17	64.68	-	45	14.3	25	8
42-XL-037	2	CI	67.41	67.91	-	45	14.3	25	8
44-XL-037	2	CI	70.64	71.15	-	45	14.3	25	8
45-XL-037	2	CI	72.26	72.77	-	45	14.3	25	10
48-XL-037	3	CI	77.11	77.62	-	45	14.3	25	10
52-XL-037	3	CI	83.58	84.08	-	45	14.3	25	10
56-XL-037	3	CI	90.04	90.55	-	45	14.3	25	10
57-XL-037	3	CI	91.66	92.17	-	45	14.3	25	10
60-XL-037	3	S	96.51	97.02	-	45	14.3	25	10
68-XL-037	3	CI	109.45	109.96	-	45	14.3	25	10
70-XL-037	3	CI	112.68	113.19	-	45	14.3	25	10
72-XL-037	3	CI	115.92	116.42	-	45	14.3	25	10

L050 Pitch 3/8" (9.525 mm)

Product	Type	Mat.	De	Dp	Df	Dm	F	L	d
10-L-050	1	S	29.56	30.33	37	20	19	28	8
11-L-050	1	S	32.59	33.35	37	22	19	30	8
12-L-050	1	S	35.62	36.37	43	24	19	30	8
13-L-050	1	S	38.65	39.41	43	28	19	30	8
14-L-050	1	S	41.68	42.44	48	28	19	30	10
15-L-050	1	S	44.72	45.48	51	34	19	30	10
16-L-050	1	S	47.75	48.51	54	36	19	32	10
17-L-050	1	S	50.78	51.54	57	36	19	32	10
18-L-050	1	S	53.81	54.59	60	40	19	32	10
19-L-050	1	S	56.84	57.61	64	40	19	32	10
20-L-050	1	S	59.88	60.63	67	40	19	32	10
21-L-050	1	S	62.91	63.68	70	45	19	32	10
22-L-050	1	S	65.94	66.70	75	45	19	32	10
23-L-050	1	S	68.97	69.73	79	55	19	32	10
24-L-050	1	S	72.00	72.77	79	55	19	32	10
25-L-050	1	S	75.04	75.80	83	58	19	32	10
26-L-050	1	S	78.07	78.84	86	58	19	32	12
27-L-050	1	S	81.10	81.86	87	58	19	32	12
28-L-050	1	S	84.13	84.89	91	58	19	32	12
30-L-050	1	S	90.20	90.96	97	70	19	32	12
32-L-050	1	S	96.26	97.03	102	70	19	32	12
33-L-050	1	CI	99.29	100.05	106	70	19	32	12
34-L-050	1	CI	102.32	103.08	112	70	19	32	12
35-L-050	1	CI	105.35	106.12	112	70	19	32	12
36-L-050	1	CI	108.39	109.14	115	70	19	32	12
40-L-050	1	CI	120.51	121.29	128	70	19	32	12
42-L-050	1	CI	126.57	127.34	135	70	19	32	12
44-L-050	1	CI	132.65	133.40	142	70	19	32	12
45-L-050	1	CI	135.67	136.44	142	70	19	32	12
48-L-050	1	CI	144.77	145.54	150	70	19	32	12
50-L-050	4	CI	150.83	151.60	-	70	19	32	12
56-L-050	4	CI	169.02	169.79	-	70	19	32	14
57-L-050	4	CI	172.06	172.82	-	70	19	32	14
60-L-050	4	CI	181.15	181.92	-	75	19	42	14
68-L-050	4	CI	205.41	206.18	-	75	19	42	14
70-L-050	4	CI	211.47	212.24	-	75	19	42	14
72-L-050	4	CI	217.53	218.29	-	75	19	42	14
84-L-050	4	CI	253.92	254.69	-	75	19	42	14
96-L-050	4	CI	290.30	291.06	-	75	19	42	14



Material; S = Steel, CI = Cast Iron

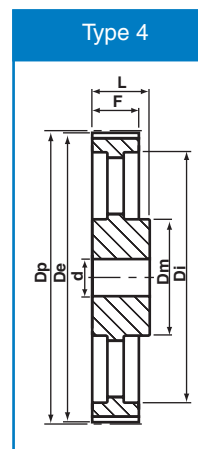
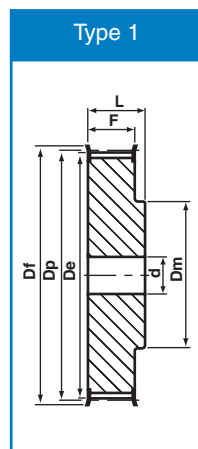
Timing Pilot Bore

L075 Pitch 3/8" (9.525 mm)

Product	Type	Mat.	De	Dp	Df	Dm	F	L	d
10-L-075	1	S	29.56	30.33	37	20	25.4	38	8
11-L-075	1	S	32.59	33.35	37	22	25.4	38	8
12-L-075	1	S	35.62	36.37	43	24	25.4	38	8
13-L-075	1	S	38.65	39.41	43	28	25.4	38	8
14-L-075	1	S	41.68	42.44	48	28	25.4	38	12
15-L-075	1	S	44.72	45.48	51	34	25.4	38	12
16-L-075	1	S	44.75	48.51	54	36	25.4	38	12
17-L-075	1	S	50.78	51.54	57	36	25.4	38	12
18-L-075	1	S	53.81	54.59	60	40	25.4	38	12
19-L-075	1	S	56.84	57.61	64	40	25.4	38	12
20-L-075	1	S	59.88	60.63	67	40	25.4	38	12
21-L-075	1	S	62.91	63.68	70	45	25.4	38	12
22-L-075	1	S	65.94	66.70	75	45	25.4	38	12
23-L-075	1	S	68.97	69.73	79	55	25.4	38	12
24-L-075	1	S	72.00	72.77	79	55	25.4	38	12
25-L-075	1	S	75.04	75.80	83	58	25.4	38	12
26-L-075	1	S	78.07	78.84	86	58	25.4	38	12
27-L-075	1	S	81.10	81.86	87	58	25.4	38	12
28-L-075	1	S	84.13	84.89	91	58	25.4	38	12
30-L-075	1	S	90.20	90.96	97	70	25.4	38	12
32-L-075	1	S	96.26	97.03	102	70	25.4	38	12
33-L-075	1	CI	99.29	100.05	106	70	25.4	38	12
34-L-075	1	CI	102.32	103.08	112	70	25.4	38	12
35-L-075	1	CI	105.35	106.12	112	70	25.4	38	12
36-L-075	1	CI	108.39	109.14	115	70	25.4	38	12
38-L-075	1	CI	114.46	115.22	120	70	25.4	38	12
40-L-075	1	CI	120.51	121.29	128	70	25.4	38	12
42-L-075	1	CI	126.57	127.34	135	70	25.4	38	12
44-L-075	1	CI	132.64	133.40	142	70	25.4	38	12
45-L-075	1	CI	135.67	136.44	142	70	25.4	38	12
48-L-075	1	CI	144.77	145.54	150	70	25.4	38	12
50-L-075	4	CI	150.83	151.60	-	70	25.4	38	14
52-L-075	4	CI	156.90	157.66	-	70	25.4	38	14
56-L-075	4	CI	169.02	169.79	-	70	25.4	38	14
57-L-075	4	CI	172.06	172.82	-	70	25.4	38	14
60-L-075	4	CI	181.15	181.92	-	75	25.4	38	14
70-L-075	4	CI	211.47	212.23	-	75	25.4	45	14
72-L-075	4	CI	217.53	218.29	-	75	25.4	45	14
84-L-075	4	CI	253.92	254.69	-	75	25.4	45	14
96-L-075	4	CI	290.30	291.06	-	75	25.4	45	14

L100 Pitch 3/8" (9.525 mm)

Product	Type	Mat.	De	Dp	Df	Dm	F	L	d
10-L-100	1	S	29.56	30.33	37	20	31.8	45	8
11-L-100	1	S	32.59	33.35	37	22	31.8	45	8
12-L-100	1	S	35.62	36.37	43	24	31.8	45	8
13-L-100	1	S	38.65	39.41	43	28	31.8	45	8
14-L-100	1	S	41.68	42.44	48	28	31.8	45	12
15-L-100	1	S	44.72	45.48	51	34	31.8	45	12
16-L-100	1	S	47.75	48.51	54	36	31.8	45	12
17-L-100	1	S	50.78	51.54	57	36	31.8	45	12
18-L-100	1	S	53.81	54.59	60	40	31.8	45	12
19-L-100	1	S	56.84	57.61	64	40	31.8	45	12
20-L-100	1	S	59.88	60.63	67	40	31.8	45	12
21-L-100	1	S	62.91	63.68	70	45	31.8	45	14
22-L-100	1	S	65.94	66.70	75	45	31.8	45	14
23-L-100	1	S	68.97	69.73	79	55	31.8	45	14
24-L-100	1	S	72.00	72.77	79	55	31.8	45	14
25-L-100	1	S	75.04	75.80	83	58	31.8	45	14
26-L-100	1	S	78.07	78.84	86	58	31.8	45	14
27-L-100	1	S	81.10	81.86	87	58	31.8	45	14
28-L-100	1	S	84.13	84.89	91	58	31.8	45	14
30-L-100	1	S	90.20	90.96	97	70	31.8	45	14
32-L-100	1	S	96.26	97.03	102	70	31.8	45	14
33-L-100	1	CI	99.29	100.05	106	70	31.8	45	14
34-L-100	1	CI	102.32	103.08	112	70	31.8	45	14
35-L-100	1	CI	105.35	106.12	112	70	31.8	45	14
36-L-100	1	CI	108.39	109.14	115	70	31.8	45	14
40-L-100	1	CI	120.51	121.29	128	70	31.8	45	14
42-L-100	1	CI	126.57	127.34	135	70	31.8	45	14
44-L-100	1	CI	132.64	133.40	142	70	31.8	45	14
45-L-100	1	CI	135.67	136.44	142	70	31.8	45	14
48-L-100	1	CI	144.77	145.54	150	70	31.8	45	14
50-L-100	4	CI	150.83	151.60	-	70	31.8	45	14
52-L-100	4	CI	156.90	157.66	-	70	31.8	45	14
56-L-100	4	CI	169.02	169.79	-	70	31.8	45	14
57-L-100	4	CI	172.06	172.82	-	70	31.8	45	14
60-L-100	4	CI	181.15	181.92	-	75	31.8	45	14
68-L-100	4	CI	205.41	206.17	-	75	31.8	45	14
72-L-100	4	CI	217.53	218.29	-	75	31.8	45	14
84-L-100	4	CI	253.92	254.69	-	75	31.8	45	14
96-L-100	4	CI	290.30	291.06	-	75	31.8	45	14



Material; S = Steel, CI = Cast Iron

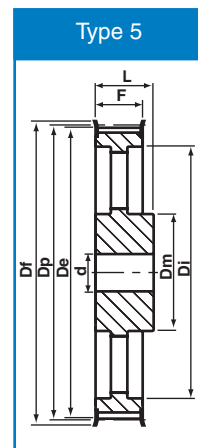
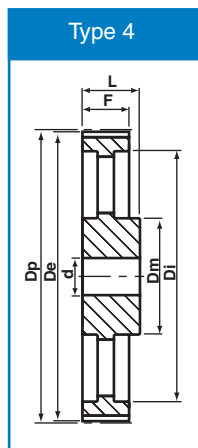
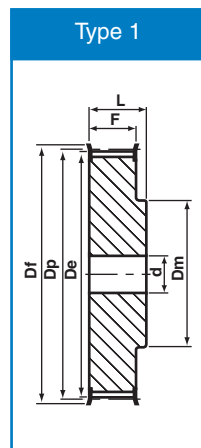
Timing Pilot Bore

H075 Pitch 1/2" (12.70 mm)

Product	Type	Mat.	De	Dp	Df	Dm	F	L	d
14-H-075	1	S	55.22	56.59	64	40	26.4	40	12
15-H-075	1	S	59.27	60.64	70	45	26.4	40	12
16-H-075	1	S	63.31	64.67	70	45	26.4	40	12
17-H-075	1	S	67.35	68.72	75	45	26.4	40	12
18-H-075	1	S	71.39	72.77	79	55	26.4	40	12
19-H-075	1	S	75.44	76.81	83	60	26.4	40	12
20-H-075	1	S	79.48	80.85	86	62	26.4	40	12
21-H-075	1	S	83.52	84.89	91	65	26.4	40	12
22-H-075	1	S	87.56	88.93	94	68	26.4	40	12
23-H-075	1	S	91.61	92.98	97	72	26.4	40	12
24-H-075	1	S	95.65	97.03	102	72	26.4	40	12
25-H-075	1	S	99.69	101.06	106	72	26.4	40	12
26-H-075	1	S	103.73	105.11	112	80	26.4	40	12
27-H-075	1	S	107.78	109.15	115	80	26.4	40	12
28-H-075	1	S	111.82	113.18	120	80	26.4	40	12
30-H-075	1	S	119.90	121.29	128	80	26.4	40	12
32-H-075	1	S	127.99	129.30	135	80	26.4	40	12
33-H-075	1	S	132.03	133.40	142	80	26.4	40	12
34-H-075	1	S	136.07	137.45	150	80	26.4	40	12
35-H-075	1	S	140.12	141.49	150	80	26.4	40	12
36-H-075	1	S	144.16	145.54	150	80	26.4	40	12
38-H-075	1	S	152.24	153.62	158	80	26.4	40	12
40-H-075	1	S	160.33	161.70	168	80	26.4	40	12
42-H-075	1	CI	168.41	169.79	184	80	26.4	40	12
44-H-075	4	CI	176.50	177.88	-	80	26.4	40	14
48-H-075	4	CI	192.67	194.03	-	90	26.4	45	14
50-H-075	4	CI	200.75	202.13	-	90	26.4	45	14

H100 Pitch 1/2" (12.70 mm)

Product	Type	Mat.	De	Dp	Df	Dm	F	L	d
14-H-100	1	S	55.22	56.59	64	40	31.8	45	12
15-H-100	1	S	59.27	60.64	70	45	31.8	45	12
16-H-100	1	S	63.31	64.67	70	45	31.8	45	12
17-H-100	1	S	67.35	68.72	75	45	31.8	45	12
18-H-100	1	S	71.39	72.77	79	55	31.8	45	12
19-H-100	1	S	75.44	76.81	83	60	31.8	45	14
20-H-100	1	S	79.48	80.85	86	62	31.8	45	14
21-H-100	1	S	83.52	84.89	91	65	31.8	45	14
22-H-100	1	S	87.56	88.93	94	68	31.8	45	14
23-H-100	1	S	91.61	92.98	97	72	31.8	45	14
24-H-100	1	S	95.65	97.03	102	72	31.8	45	14
25-H-100	1	S	99.69	101.06	106	72	31.8	45	14
26-H-100	1	S	103.73	105.11	112	80	31.8	45	14
27-H-100	1	S	107.78	109.15	115	80	31.8	45	14
28-H-100	1	S	111.82	113.18	120	80	31.8	45	14
29-H-100	1	S	115.86	117.23	120	80	31.8	45	14
30-H-100	1	S	119.90	121.29	128	80	31.8	45	14
32-H-100	1	S	127.99	129.30	135	80	31.8	45	14
33-H-100	1	S	132.03	133.40	142	80	31.8	45	14
34-H-100	1	S	136.07	137.45	150	80	31.8	45	14
35-H-100	1	S	140.12	141.49	150	80	31.8	45	14
36-H-100	1	S	144.16	145.54	150	80	31.8	45	14
38-H-100	1	S	152.24	153.62	158	80	31.8	45	14
40-H-100	1	S	160.33	161.70	168	80	31.8	45	14
42-H-100	1	CI	168.41	169.79	184	80	31.8	45	14
44-H-100	5	CI	176.50	177.88	184	80	31.8	50	14
45-H-100	5	CI	180.54	181.91	192	80	31.8	50	14
48-H-100	5	CI	192.67	194.03	200	90	31.8	50	14
50-H-100	4	CI	200.75	202.13	-	90	31.8	50	20
52-H-100	4	CI	208.84	210.21	-	90	31.8	50	20
57-H-100	4	CI	229.05	230.42	-	90	31.8	50	20
58-H-100	4	CI	233.09	234.47	-	90	31.8	50	20
60-H-100	4	CI	241.18	242.55	-	120	31.8	50	20
68-H-100	4	CI	273.53	274.90	-	120	31.8	55	20
70-H-100	4	CI	281.61	282.98	-	120	31.8	55	20
72-H-100	4	CI	289.69	291.06	-	120	31.8	55	20
84-H-100	4	CI	338.20	339.57	-	120	31.8	55	20
96-H-100	4	CI	386.71	388.09	-	120	31.8	60	20
120-H-100	4	CI	483.73	485.12	-	120	31.8	60	20
156-H-100	4	CI	629.26	630.64	-	120	31.8	60	20



Material; S = Steel, CI = Cast Iron

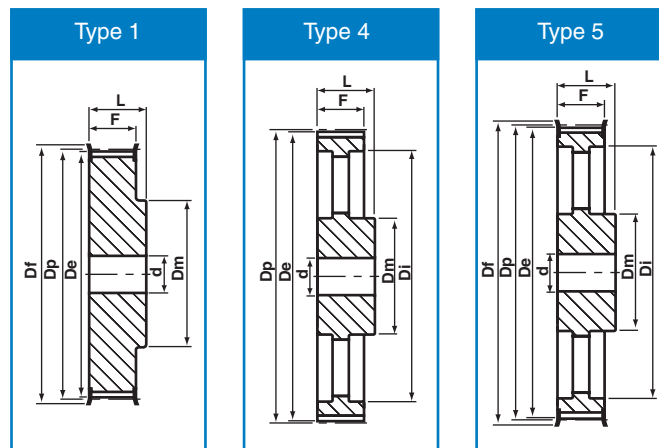
Timing Pilot Bore

H150 Pitch 1/2" (12.70 mm)

Product	Type	Mat.	De	Dp	Df	Dm	F	L	d
14-H-150	1	S	55.22	56.59	64	42	46	58	20
15-H-150	1	S	59.27	60.64	70	45	46	58	20
16-H-150	1	S	63.31	64.67	70	45	46	58	20
17-H-150	1	S	67.35	68.72	75	45	46	58	20
18-H-150	1	S	71.39	72.77	79	55	46	58	20
19-H-150	1	S	75.44	76.81	82	60	46	58	20
20-H-150	1	S	79.48	80.85	86	62	46	58	20
21-H-150	1	S	83.52	84.89	91	65	46	58	20
22-H-150	1	S	87.56	88.93	94	68	46	58	20
23-H-150	1	S	91.61	92.98	97	72	46	58	20
24-H-150	1	S	95.65	97.03	102	72	46	58	20
25-H-150	1	S	99.69	101.06	106	72	46	58	20
26-H-150	1	S	103.73	105.11	112	80	46	58	20
27-H-150	1	S	107.78	109.15	115	80	46	58	20
28-H-150	1	S	111.82	113.18	120	80	46	58	20
29-H-150	1	S	115.86	117.23	120	80	46	58	20
30-H-150	1	S	119.90	121.29	128	80	46	58	20
32-H-150	1	S	127.99	129.30	135	80	46	58	20
33-H-150	1	S	132.03	133.40	142	80	46	58	20
34-H-150	1	S	136.07	137.45	150	80	46	58	20
35-H-150	1	S	140.12	141.49	150	80	46	58	20
36-H-150	1	S	144.16	145.54	150	80	46	58	20
38-H-150	1	S	152.24	153.62	158	80	46	58	20
40-H-150	1	S	160.33	161.70	168	80	46	58	20
42-H-150	1	CI	168.41	169.79	184	80	46	58	20
45-H-150	5	CI	180.54	181.91	192	80	46	58	20
48-H-150	5	CI	192.67	194.03	200	90	46	58	20
50-H-150	4	CI	200.75	202.13	-	90	46	65	20
52-H-150	4	CI	208.84	210.21	-	90	46	65	20
57-H-150	4	CI	229.05	230.43	-	90	46	65	20
58-H-150	4	CI	233.09	234.47	-	90	46	65	20
60-H-150	4	CI	241.18	242.55	-	120	46	65	20
68-H-150	4	CI	273.53	274.91	-	120	46	65	25
70-H-150	4	CI	281.61	282.98	-	120	46	65	25
72-H-150	4	CI	289.69	291.06	-	120	46	65	25
84-H-150	4	CI	338.20	339.57	-	120	46	65	25
96-H-150	4	CI	386.71	388.09	-	120	46	65	25
120-H-150	4	CI	483.73	485.12	-	120	46	65	25
156-H-100	4	CI	629.26	630.64	-	120	46	65	25

H200 Pitch 1/2" (12.70 mm)

Product	Type	Mat.	De	Dp	Df	Dm	F	L	d
14-H-200	1	S	55.22	56.59	64	42	58.7	70	20
15-H-200	1	S	59.27	60.64	70	45	58.7	70	20
16-H-200	1	S	63.31	64.67	70	45	58.7	70	20
17-H-200	1	S	67.35	68.72	75	45	58.7	70	20
18-H-200	1	S	71.39	72.77	79	55	58.7	70	20
19-H-200	1	S	75.44	76.81	82	60	58.7	70	20
20-H-200	1	S	79.48	80.85	86	62	58.7	70	20
21-H-200	1	S	83.52	84.89	91	65	58.7	70	20
22-H-200	1	S	87.56	88.93	94	68	58.7	70	20
23-H-200	1	S	91.61	92.98	97	72	58.7	70	20
24-H-200	1	S	95.65	97.03	102	72	58.7	70	20
25-H-200	1	S	99.69	101.06	106	72	58.7	70	20
26-H-200	1	S	103.73	105.11	112	80	58.7	70	20
27-H-200	1	S	107.78	109.15	115	80	58.7	70	20
28-H-200	1	S	111.82	113.18	120	80	58.7	70	20
29-H-200	1	S	115.86	117.23	120	80	58.7	70	20
30-H-200	1	S	119.90	121.29	128	80	58.7	70	20
32-H-200	1	S	127.99	129.30	135	80	58.7	70	20
33-H-200	1	S	132.03	133.40	142	80	58.7	70	20
34-H-200	1	S	136.07	137.45	150	80	58.7	70	20
35-H-200	1	S	140.12	141.49	150	80	58.7	70	20
36-H-200	1	S	144.16	145.54	150	80	58.7	70	20
38-H-200	1	S	152.24	153.62	158	80	58.7	70	20
40-H-200	1	S	160.33	161.70	168	80	58.7	70	20
42-H-200	1	CI	168.41	169.79	184	80	58.7	70	20
44-H-200	5	CI	176.50	177.88	184	80	58.7	70	20
45-H-200	5	CI	180.54	181.91	192	80	58.7	70	20
48-H-200	5	CI	192.67	194.03	200	90	58.7	75	25
50-H-200	4	CI	200.75	202.13	-	90	58.7	75	25
52-H-200	4	CI	208.84	210.21	-	90	58.7	75	25
57-H-200	4	CI	229.05	230.42	-	90	58.7	75	25
58-H-200	4	CI	233.09	234.47	-	90	58.7	75	25
60-H-200	4	CI	241.18	242.55	-	120	58.7	75	25
68-H-200	4	CI	273.53	274.90	-	120	58.7	75	28
70-H-200	4	CI	281.61	282.98	-	120	58.7	75	28
72-H-200	4	CI	289.69	291.06	-	120	58.7	75	28
84-H-200	4	CI	338.20	339.57	-	120	58.7	75	28
96-H-200	4	CI	386.71	388.09	-	120	58.7	75	28
120-H-200	4	CI	483.73	485.12	-	120	58.7	75	28
156-H-100	4	CI	629.26	630.64	-	120	58.7	75	28

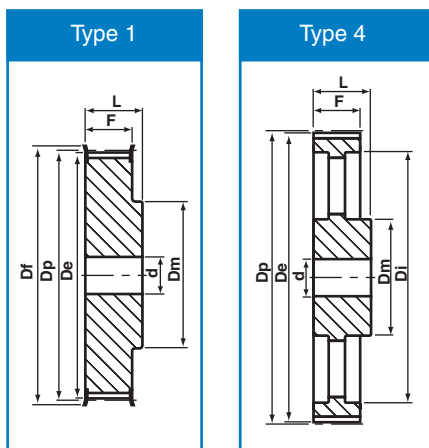


Material; S = Steel, CI = Cast Iron

Timing Pilot Bore

H300 Pitch 1/2" (12.70 mm)

Product	Type	Mat.	De	Dp	Df	Dm	F	L	d
14-H-300	1	S	55.22	56.59	64	42	85.7	100	20
15-H-300	1	S	59.27	60.64	70	45	85.7	100	20
16-H-300	1	S	63.31	64.67	70	45	85.7	100	20
17-H-300	1	S	67.35	68.72	75	45	85.7	100	20
18-H-300	1	S	71.39	72.77	79	55	85.7	100	20
19-H-300	1	S	75.44	76.81	83	60	85.7	100	20
20-H-300	1	S	79.48	80.85	86	62	85.7	100	20
21-H-300	1	S	83.52	84.89	91	65	85.7	100	20
22-H-300	1	S	87.56	88.93	94	68	85.7	100	20
23-H-300	1	S	91.61	92.98	97	72	85.7	100	20
24-H-300	1	S	95.65	97.03	102	72	85.7	100	20
25-H-300	1	S	99.69	101.06	106	72	85.7	100	20
26-H-300	1	S	103.73	105.11	112	80	85.7	100	20
27-H-300	1	S	107.78	109.15	115	80	85.7	100	20
28-H-300	1	S	111.82	113.18	120	80	85.7	100	20
30-H-300	1	S	119.90	121.29	128	80	85.7	100	20
32-H-300	1	S	127.99	129.30	135	80	85.7	100	20
33-H-300	1	S	132.03	133.40	142	80	85.7	100	20
34-H-300	1	S	136.07	137.45	150	80	85.7	100	20
35-H-300	1	S	140.12	141.49	150	80	85.7	100	25
36-H-300	1	S	144.16	145.54	150	80	85.7	100	25
38-H-300	1	S	152.24	153.62	158	80	85.7	100	25
40-H-300	1	S	160.33	161.70	168	80	85.7	100	25
42-H-300	1	CI	168.41	169.79	184	80	85.7	100	25
44-H-300	4	CI	176.50	177.88	-	90	85.7	100	25
45-H-300	4	CI	180.54	181.91	-	90	85.7	100	25
48-H-300	4	CI	192.67	194.03	-	90	85.7	100	25
50-H-300	4	CI	200.75	202.13	-	90	85.7	100	25
52-H-300	4	CI	208.84	210.21	-	90	85.7	100	25
57-H-300	4	CI	229.05	230.47	-	90	85.7	100	25
58-H-300	4	CI	233.09	234.47	-	90	85.7	100	25
60-H-300	4	CI	241.18	242.55	-	120	85.7	100	25
70-H-300	4	CI	281.61	282.98	-	120	85.7	100	30
72-H-300	4	CI	289.69	291.06	-	120	85.7	100	30
84-H-300	4	CI	338.20	339.57	-	120	85.7	100	30
96-H-300	4	CI	386.71	388.09	-	120	85.7	100	30
120-H-300	4	CI	483.73	485.12	-	120	85.7	100	30
150-H-300	4	CI	605.01	606.38	-	120	85.7	100	30
156-H-300	4	CI	629.26	630.64	-	120	85.7	100	30

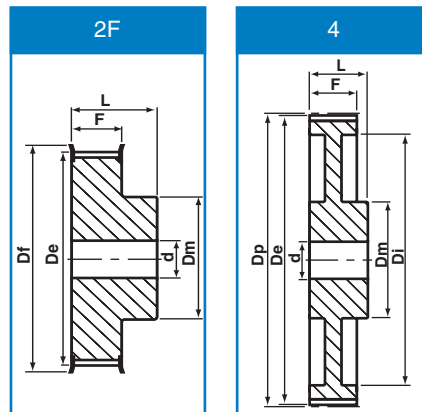


Material; S = Steel, CI = Cast Iron

HTD[®] Pilot Bore

5mm Pitch 5M-09 (9mm Wide Belt)

Product Designation	Number of Teeth	Type	Material	De	Dp	Df	Dm	Di	F	L	d	Mass kg
12-5M-09	12	2F	S	17.96	19.10	23	13	-	14.5	20.0	6	0.02
14-5M-09	14	2F	S	21.14	22.28	25	14	-	14.5	20.0	6	0.03
15-5M-09	15	2F	S	22.73	23.87	28	16	-	14.5	20.0	6	0.04
16-5M-09	16	2F	S	24.32	25.46	28	17	-	14.5	20.0	6	0.05
18-5M-09	18	2F	S	27.51	28.65	32	20	-	14.5	20.0	6	0.07
20-5M-09	20	2F	S	30.69	31.83	37	23	-	14.5	22.5	6	0.09
21-5M-09	21	2F	S	32.28	33.42	38	24	-	14.5	22.5	6	0.11
22-5M-09	22	2F	S	33.87	35.01	38	26	-	14.5	22.5	6	0.11
24-5M-09	24	2F	S	37.06	38.20	43	27	-	14.5	22.5	6	0.14
26-5M-09	26	2F	S	40.24	41.38	44	30	-	14.5	22.5	6	0.17
28-5M-09	28	2F	S	43.42	44.56	48	31	-	14.5	22.5	6	0.20
30-5M-09	30	2F	S	46.60	47.75	51	35	-	14.5	22.5	6	0.23
32-5M-09	32	2F	S	49.79	50.93	54	38	-	14.5	22.5	8	0.27
36-5M-09	36	2F	S	56.16	57.30	60	38	-	14.5	22.5	8	0.32
40-5M-09	40	2F	S	62.52	63.66	70	38	-	14.5	22.5	8	0.40
44-5M-09	44	4	S	68.89	70.03	-	38	-	14.5	25.5	8	0.17
48-5M-09	48	4	S	75.25	76.39	-	45	-	14.5	25.5	8	0.18
60-5M-09	60	4	S	94.35	95.49	-	45	-	14.5	25.5	8	0.23
72-5M-09	72	4	S	113.45	114.59	-	45	-	14.5	25.5	8	0.27



Material; S = Steel, CI = Cast Iron

5mm Pitch 5M-15 (15mm Wide Belt)

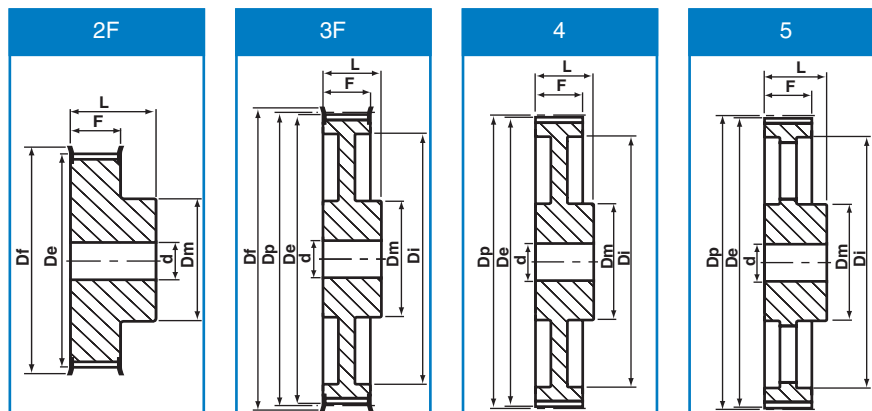
Product Designation	Number of Teeth	Type	Material	De	Dp	Df	Dm	Di	F	L	d	Mass kg
12-5M-15	12	2F	S	17.96	19.10	23	13	-	20.5	26.0	6	0.03
14-5M-15	14	2F	S	21.14	22.28	25	14	-	20.5	26.0	6	0.04
15-5M-15	15	2F	S	22.73	23.87	28	16	-	20.5	26.0	6	0.05
16-5M-15	16	2F	S	24.32	25.45	28	17	-	20.5	26.0	6	0.06
18-5M-15	18	2F	S	27.51	28.65	32	20	-	20.5	26.0	6	0.08
20-5M-15	20	2F	S	30.69	31.83	37	23	-	20.5	26.0	6	0.11
21-5M-15	21	2F	S	32.28	33.42	38	24	-	20.5	26.0	6	0.13
22-5M-15	22	2F	S	33.87	35.01	38	26	-	20.5	26.0	6	0.14
24-5M-15	24	2F	S	37.06	38.20	43	27	-	20.5	28.0	6	0.18
26-5M-15	26	2F	S	40.24	41.38	44	30	-	20.5	28.0	6	0.22
28-5M-15	28	2F	S	43.42	44.56	48	31	-	20.5	28.0	6	0.25
30-5M-15	30	2F	S	46.60	47.75	51	35	-	20.5	28.0	6	0.30
32-5M-15	32	2F	S	49.79	50.93	54	38	-	20.5	28.0	8	0.35
36-5M-15	36	2F	S	56.16	57.30	60	38	-	20.5	28.0	8	0.42
40-5M-15	40	2F	S	62.52	63.66	70	38	-	20.5	28.0	8	0.52
44-5M-15	44	4	S	68.89	70.03	-	38	-	20.5	30.0	8	0.22
48-5M-15	48	4	S	75.25	76.39	-	38	-	20.5	30.0	8	0.28
60-5M-15	60	4	S	94.35	95.49	-	50	-	20.5	30.0	8	0.30
72-5M-15	72	4	CI	113.45	114.59	-	50	-	20.5	30.0	8	0.36

All dimensions in millimetres unless otherwise stated. Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused

HTD® Pilot Bore

5mm Pitch 5M-25 (25mm Wide Belt)

Product Designation	Number of Teeth	Type	Material	De	Dp	Df	Dm	Di	F	L	d	Mass kg
12-5M-25	12	2F	S	17.96	19.10	23	13	-	30.5	36.0	6	0.05
14-5M-25	14	2F	S	21.14	22.28	25	14	-	30.5	36.0	6	0.07
15-5M-25	15	2F	S	22.73	23.87	28	16	-	30.5	36.0	6	0.08
16-5M-25	16	2F	S	24.32	25.45	28	17	-	30.5	36.0	6	0.10
18-5M-25	18	2F	S	27.51	28.65	32	20	-	30.5	36.0	6	0.12
20-5M-25	20	2F	S	30.69	31.83	37	23	-	30.5	36.0	6	0.16
21-5M-25	21	2F	S	32.28	33.42	38	24	-	30.5	38.0	6	0.19
22-5M-25	22	2F	S	33.87	35.01	38	26	-	30.5	38.0	6	0.21
24-5M-25	24	2F	S	37.06	38.20	43	27	-	30.5	38.0	6	0.25
26-5M-25	26	2F	S	40.24	41.38	44	30	-	30.5	38.0	6	0.30
28-5M-25	28	2F	S	43.42	44.56	48	31	-	30.5	38.0	6	0.35
30-5M-25	30	2F	S	46.60	47.75	51	35	-	30.5	38.0	6	0.42
32-5M-25	32	2F	S	49.79	50.93	54	38	-	30.5	38.0	8	0.48
36-5M-25	36	2F	S	56.16	57.30	60	39	-	30.5	38.0	8	0.59
40-5M-25	40	2F	S	62.52	63.66	70	38	-	30.5	38.0	8	0.74
44-5M-25	44	4	S	68.89	70.03	-	38	-	30.5	40.0	8	0.32
48-5M-25	48	4	S	75.25	76.39	-	38	-	30.5	40.0	8	0.28
60-5M-25	60	4	S	94.35	95.49	-	50	-	30.5	40.0	8	0.44
72-5M-25	72	4	CI	113.45	114.59	-	50	-	30.5	40.0	8	0.53



Material; S = Steel, CI = Cast Iron

8mm Pitch 8M-20 (20mm Wide Belt)

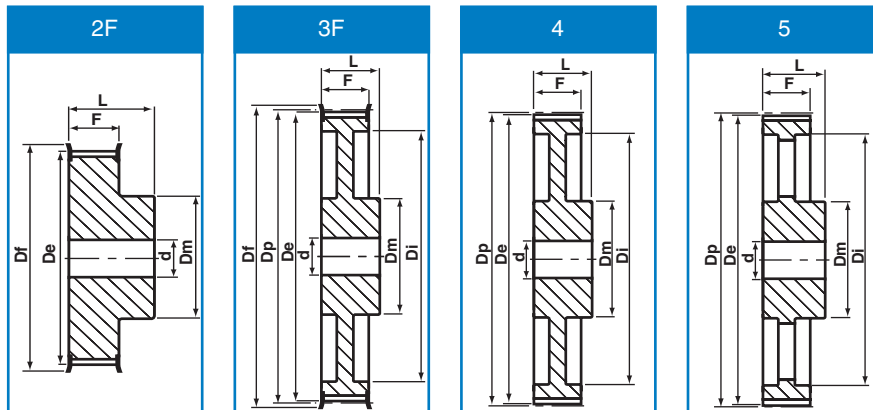
Product Designation	Number of Teeth	Type	Material	De	Dp	Df	Dm	Di	F	L	d	Mass kg
22-8M-20	22	2F	S	54.65	56.02	60	43	-	28	38.0	12	0.54
24-8M-20	24	2F	S	59.75	61.12	67	45	-	28	38.0	12	0.65
26-8M-20	26	2F	S	64.85	66.21	70	50	-	28	38.0	12	0.80
28-8M-20	28	2F	S	70.08	71.30	75	50	-	28	38.0	16	0.87
30-8M-20	30	2F	S	75.13	76.39	83	55	-	28	38.0	16	1.02
32-8M-20	32	2F	S	80.16	81.49	87	60	-	28	38.0	16	1.20
34-8M-20	34	2F	S	85.22	86.58	91	70	-	28	38.0	16	1.40
36-8M-20	36	2F	S	90.30	91.67	97	70	-	28	38.0	16	1.55
38-8M-20	38	2F	S	95.39	96.77	102	75	-	28	38.0	16	1.65
40-8M-20	40	2F	CI	100.49	101.86	106	75	-	28	38.0	16	1.74
44-8M-20	44	2F	CI	110.67	112.05	120	75	-	28	38.0	16	2.10
48-8M-20	48	2F	CI	120.86	122.23	128	75	-	28	38.0	16	2.44
56-8M-20	56	3F	CI	141.23	142.60	150	80	117	28	38.0	16	2.60
64-8M-20	64	3F	CI	161.60	162.97	168	80	137	28	38.0	16	2.90
72-8M-20	72	3F	CI	181.97	183.35	192	80	158	28	38.0	16	3.10
80-8M-20	80	4	CI	202.35	203.72	-	90	180	28	38.0	16	3.80
90-8M-20	90	4	CI	227.81	229.18	-	90	204	28	38.0	16	4.20
112-8M-20	112	5	CI	283.83	285.21	-	90	260	28	38.0	16	5.20
144-8M-20	144	5	CI	365.32	366.69	-	90	341	28	38.0	20	7.50
168-8M-20	168	5	CI	426.44	427.81	-	100	402	28	38.0	20	10.00
192-8M-20	192	5	CI	487.55	488.92	-	100	463	28	38.0	20	14.40

Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused. All dimensions in millimetres unless otherwise stated.

HTD® Pilot Bore

8mm Pitch 8M-30 (30mm Wide Belt)

Product Designation	Number of Teeth	Type	Material	De	Dp	Df	Dm	Di	F	L	d	Mass kg
22-8M-30	22	2F	S	54.65	56.02	60	43	-	38	48.0	12	0.69
24-8M-30	24	2F	S	59.75	61.12	67	45	-	38	48.0	12	0.84
26-8M-30	26	2F	S	64.85	66.21	70	50	-	38	48.0	12	1.00
28-8M-30	28	2F	S	70.08	71.30	75	50	-	38	48.0	16	1.12
30-8M-30	30	2F	S	75.13	76.39	83	55	-	38	48.0	16	1.32
32-8M-30	32	2F	S	80.16	81.49	87	60	-	38	48.0	16	1.53
34-8M-30	34	2F	S	85.22	86.58	91	70	-	38	48.0	16	1.80
36-8M-30	36	2F	S	90.30	91.67	97	70	-	38	48.0	16	1.99
38-8M-30	38	2F	S	95.39	96.77	102	75	-	38	48.0	16	2.27
40-8M-30	40	2F	C	100.49	101.86	106	75	-	38	48.0	16	2.40
44-8M-30	44	2F	CI	110.67	112.05	120	75	-	38	48.0	16	2.80
48-8M-30	48	2F	CI	120.86	122.23	128	75	-	38	48.0	16	3.20
56-8M-30	56	3F	CI	141.23	142.60	150	80	117	38	48.0	16	3.60
64-8M-30	64	3F	CI	161.60	162.97	168	80	138	38	48.0	16	4.30
72-8M-30	72	3F	CI	181.97	183.35	192	80	158	38	48.0	16	4.80
80-8M-30	80	4	CI	202.35	203.72	-	90	180	38	48.0	16	5.10
90-8M-30	90	4	CI	227.81	229.18	-	90	204	38	48.0	16	5.70
112-8M-30	112	5	CI	283.83	285.21	-	90	260	38	48.0	16	6.80
144-8M-30	144	5	CI	365.32	366.69	-	90	341	38	48.0	20	9.30
168-8M-30	168	5	CI	426.44	427.81	-	100	402	38	48.0	20	11.40
192-8M-30	192	5	CI	487.55	488.92	-	100	463	38	48.0	20	16.00



Material; S = Steel, CI = Cast Iron

8mm Pitch 8M-50 (50mm Wide Belt)

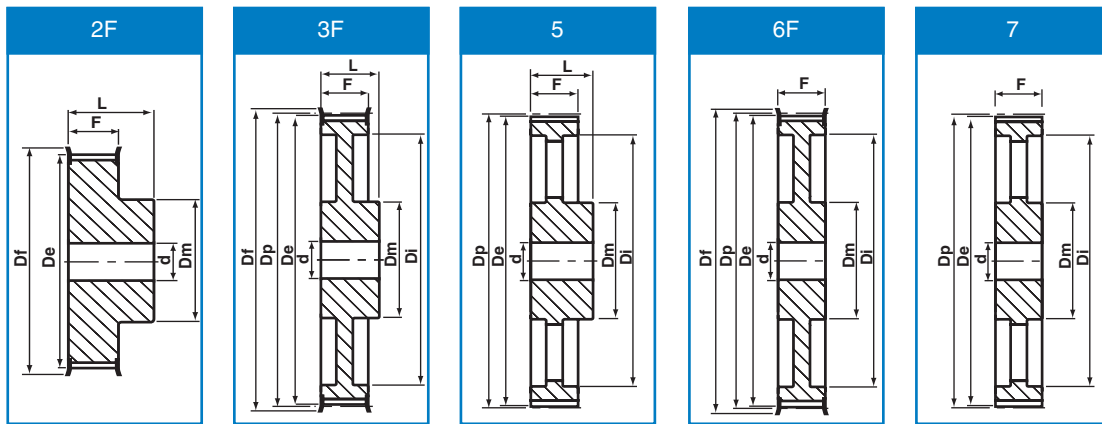
Product Designation	Number of Teeth	Type	Material	De	Dp	Df	Dm	Di	F	L	d	Mass kg
22-8M-50	22	2F	S	54.65	56.02	60	43	-	60	70.0	12	1.00
24-8M-50	24	2F	S	59.75	61.12	67	45	-	60	70.0	12	1.23
26-8M-50	26	2F	S	64.84	66.21	70	50	-	60	70.0	12	1.50
28-8M-50	28	2F	S	70.08	71.30	75	50	-	60	70.0	16	1.67
30-8M-50	30	2F	S	75.13	76.39	83	55	-	60	70.0	16	1.97
32-8M-50	32	2F	S	80.16	81.49	87	60	-	60	70.0	16	2.27
34-8M-50	34	2F	S	85.22	86.58	91	70	-	60	70.0	16	2.69
36-8M-50	36	2F	S	90.30	91.67	97	70	-	60	70.0	16	2.97
38-8M-50	38	2F	S	95.39	96.77	102	75	-	60	70.0	16	3.23
40-8M-50	40	2F	C	100.49	101.86	106	75	-	60	70.0	18	3.50
44-8M-50	44	2F	C	110.67	112.05	120	75	-	60	70.0	18	3.90
48-8M-50	48	2F	C	120.86	122.23	128	80	-	60	70.0	18	4.30
56-8M-50	56	6F	C	141.23	142.60	150	90	117	60	60.0	18	5.00
64-8M-50	64	6F	C	161.60	162.97	168	100	137	60	60.0	18	5.60
72-8M-50	72	6F	C	181.97	183.35	192	100	158	60	60.0	18	6.80
80-8M-50	80	7	C	202.35	203.72	-	110	180	60	60.0	18	6.90
90-8M-50	90	7	C	227.81	229.18	-	110	204	60	60.0	18	8.60
112-8M-50	112	7	C	283.83	285.21	-	110	260	60	60.0	18	9.60
144-8M-50	144	7	C	365.32	366.69	-	110	341	60	60.0	20	13.80
168-8M-50	168	7	C	426.44	427.81	-	120	402	60	60.0	20	16.00
192-8M-50	192	7	C	487.55	488.92	-	130	463	60	60.0	20	22.40

All dimensions in millimetres unless otherwise stated. Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused

HTD® Pilot Bore

8mm Pitch 8M-85 (85mm Wide Belt)

Product Designation	Number of Teeth	Type	Material	De	Dp	Df	Dm	Di	F	L	d	Mass kg
22-8M-85	22	2F	S	54.65	56.02	60	43	-	95	105.0	12	1.55
24-8M-85	24	2F	S	59.75	61.12	67	45	-	95	105.0	12	1.90
26-8M-85	26	2F	S	64.84	66.21	70	50	-	95	105.0	12	2.25
28-8M-85	28	2F	S	70.08	71.30	75	50	-	95	105.0	16	2.55
30-8M-85	30	2F	S	75.13	76.39	83	55	-	95	105.0	16	3.00
32-8M-85	32	2F	S	80.16	81.49	87	60	-	95	105.0	16	3.57
34-8M-85	34	2F	S	85.22	86.58	91	70	-	95	105.0	16	4.00
36-8M-85	36	2F	S	90.30	91.67	97	70	-	95	105.0	16	4.50
38-8M-85	38	2F	S	95.39	96.77	102	75	-	95	105.0	16	4.90
40-8M-85	40	2F	CI	100.49	101.86	106	75	-	95	105.0	16	5.20
44-8M-85	44	2F	CI	110.67	112.05	120	75	-	95	105.0	18	6.60
48-8M-85	48	2F	CI	120.86	122.23	128	80	-	95	105.0	18	7.60
56-8M-85	56	2F	CI	141.23	142.60	150	90	-	95	105.0	18	9.80
64-8M-85	64	6F	CI	161.60	162.97	168	100	137	95	95.0	20	10.40
72-8M-85	72	6F	CI	181.97	183.35	192	100	158	95	95.0	20	11.40
80-8M-85	80	7	CI	202.35	203.72	-	110	180	95	95.0	20	13.20
90-8M-85	90	7	CI	227.81	229.18	-	110	204	95	95.0	20	16.30
112-8M-85	112	7	CI	283.83	285.21	-	110	260	95	95.0	25	21.50
144-8M-85	144	7	CI	365.32	366.69	-	110	341	95	95.0	25	23.60
168-8M-85	168	7	CI	426.44	427.81	-	120	402	95	95.0	25	26.10
192-8M-85	192	7	CI	487.55	488.92	-	130	463	95	95.0	25	30.60



Material; S = Steel, CI = Cast Iron

14mm Pitch 14M-40 (40mm Wide Belt)

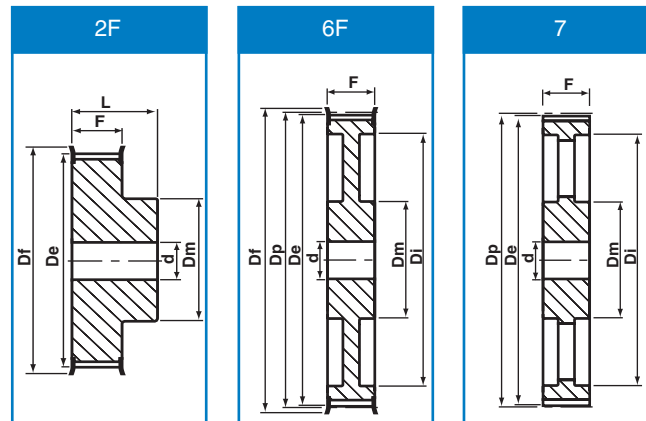
Product Designation	Number of Teeth	Type	Material	De	Dp	Df	Dm	Di	F	L	d	Mass kg
28-14M-40	28	2F	CI	122.12	124.78	128	100	-	54	69.0	24	4.73
29-14M-40	29	2F	CI	126.57	129.23	142	100	-	54	69.0	24	5.09
30-14M-40	30	2F	CI	130.99	133.69	142	100	-	54	69.0	24	5.45
32-14M-40	32	2F	CI	139.88	142.60	158	100	-	54	69.0	24	6.17
34-14M-40	34	2F	CI	148.79	151.52	158	100	-	54	69.0	24	6.88
36-14M-40	36	2F	CI	157.68	160.43	168	100	-	54	69.0	24	7.60
38-14M-40	38	2F	CI	166.60	169.34	184	120	-	54	69.0	24	8.28
40-14M-40	40	2F	CI	175.49	178.25	192	120	-	54	69.0	24	9.26
44-14M-40	44	2F	CI	193.28	196.08	211	120	-	54	69.0	24	10.32
48-14M-40	48	3F	CI	211.11	213.90	226	135	172	54	69.0	24	11.50
56-14M-40	56	3F	CI	246.76	249.55	265	135	207	54	69.0	28	13.05
64-14M-40	64	3F	CI	282.41	285.21	296	135	242	54	69.0	28	14.40
72-14M-40	72	5	CI	318.06	320.86	-	135	278	54	69.0	28	16.90
80-14M-40	80	5	CI	353.71	356.51	-	135	314	54	69.0	28	18.50
90-14M-40	90	5	CI	398.28	401.07	-	135	358	54	69.0	28	20.00
112-14M-40	112	5	CI	496.32	499.11	-	135	456	54	69.0	28	26.70
144-14M-40	144	5	CI	638.92	641.71	-	135	600	54	69.0	28	35.00
168-14M-40	168	5	CI	745.87	748.66	-	135	706	54	69.0	28	44.20
192-14M-40	192	5	CI	852.82	855.62	-	135	813	54	69.0	28	52.20
216-14M-40	216	5	CI	959.76	962.57	-	150	920	54	69.0	28	60.00

Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused. All dimensions in millimetres unless otherwise stated.

HTD[®] Pilot Bore

14mm Pitch 14M-55 (55mm Wide Belt)

Product Designation	Number of Teeth	Type	Material	De	Dp	Df	Dm	Di	F	L	d	Mass kg
28-14M-55	28	2F	CI	122.12	124.78	128	100	-	70	85.0	24	5.60
29-14M-55	29	2F	CI	126.57	129.23	142	100	-	70	85.0	24	6.10
30-14M-55	30	2F	CI	130.99	133.69	142	100	-	70	85.0	24	6.60
32-14M-55	32	2F	CI	139.88	142.60	158	100	-	70	85.0	24	7.60
34-14M-55	34	2F	CI	148.79	151.52	158	100	-	70	85.0	24	8.60
36-14M-55	36	2F	CI	157.68	160.43	168	100	-	70	85.0	24	9.60
38-14M-55	38	2F	CI	166.60	169.34	184	120	-	70	85.0	24	10.80
40-14M-55	40	2F	CI	175.49	178.25	192	120	-	70	85.0	24	11.20
44-14M-55	44	2F	CI	193.28	196.08	211	120	-	70	85.0	24	12.50
48-14M-55	48	6F	CI	211.11	213.90	226	135	172	70	70.0	24	13.70
56-14M-55	56	6F	CI	246.76	249.55	265	135	207	70	70.0	28	14.50
64-14M-55	64	6F	CI	282.41	285.21	296	135	242	70	70.0	28	15.60
72-14M-55	72	7	CI	318.06	320.86	-	135	278	70	70.0	28	16.90
80-14M-55	80	7	CI	353.71	356.51	-	135	314	70	70.0	28	20.00
90-14M-55	90	7	CI	398.28	401.07	-	135	358	70	70.0	28	22.60
112-14M-55	112	7	CI	496.32	499.11	-	135	456	70	70.0	28	29.50
144-14M-55	144	7	CI	638.92	641.71	-	135	600	70	70.0	28	39.00
168-14M-55	168	7	CI	745.87	748.66	-	135	706	70	70.0	28	48.50
192-14M-55	192	7	CI	852.82	855.62	-	135	813	70	70.0	28	57.80
216-14M-55	216	7	CI	959.76	962.57	-	150	920	70	70.0	28	67.00



Material; CI = Cast Iron

14mm Pitch 14M-85 (85mm Wide Belt)

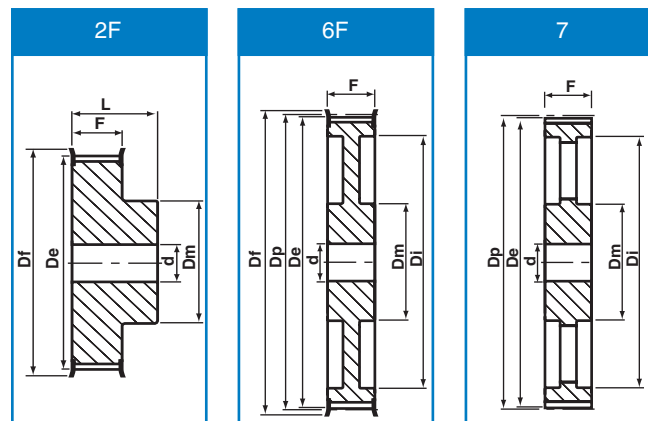
Product Designation	Number of Teeth	Type	Material	De	Dp	Df	Dm	Di	F	L	d	Mass kg
28-14M-85	28	2F	CI	122.12	124.78	128	100	-	102	117.0	24	7.70
29-14M-85	29	2F	CI	126.57	129.23	142	100	-	102	117.0	24	8.40
30-14M-85	30	2F	CI	130.99	133.69	142	100	-	102	117.0	24	9.10
32-14M-85	32	2F	CI	139.88	142.60	158	100	-	102	117.0	24	10.50
34-14M-85	34	2F	CI	148.79	151.52	158	100	-	102	117.0	24	11.90
36-14M-85	36	2F	CI	157.68	160.43	168	100	-	102	117.0	32	13.20
38-14M-85	38	2F	CI	166.60	169.34	184	120	-	102	117.0	32	15.15
40-14M-85	40	2F	CI	175.49	178.25	192	135	-	102	117.0	32	17.10
44-14M-85	44	2F	CI	193.28	196.08	211	135	-	102	117.0	32	23.30
48-14M-85	48	2F	CI	211.11	213.90	226	150	-	102	117.0	32	25.00
56-14M-85	56	6F	CI	246.76	249.55	265	150	207	102	102.0	32	25.00
64-14M-85	64	6F	CI	282.41	285.21	296	150	242	102	102.0	32	30.50
72-14M-85	72	7	CI	318.06	320.86	-	150	278	102	102.0	32	28.80
80-14M-85	80	7	CI	353.71	356.51	-	150	314	102	102.0	32	30.10
90-14M-85	90	7	CI	398.28	401.07	-	150	358	102	102.0	32	33.00
112-14M-85	112	7	CI	496.32	499.11	-	150	456	102	102.0	32	41.80
144-14M-85	144	7	CI	638.92	641.71	-	150	600	102	102.0	32	52.40
168-14M-85	168	7	CI	745.87	748.66	-	150	706	102	102.0	32	60.30
192-14M-85	192	7	CI	852.82	855.62	-	165	813	102	102.0	32	70.20
216-14M-85	216	7	CI	959.76	962.57	-	165	920	102	102.0	32	81.00

All dimensions in millimetres unless otherwise stated. Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused

HTD® Pilot Bore

14mm Pitch 14M-115 (115mm Wide Belt)

Product Designation	Number of Teeth	Type	Material	De	Dp	Df	Dm	Di	F	L	d	Mass kg
28-14M-115	28	2F	C	122.12	124.78	128	100	-	133	148.0	32	9.20
29-14M-115	29	2F	C	126.57	129.23	142	100	-	133	148.0	32	10.20
30-14M-115	30	2F	C	130.99	133.69	142	100	-	133	148.0	32	11.20
32-14M-115	32	2F	C	139.88	142.60	158	100	-	133	148.0	32	13.20
34-14M-115	34	2F	C	148.79	151.52	158	100	-	133	148.0	32	14.80
36-14M-115	36	2F	C	157.68	160.43	168	100	-	133	148.0	32	16.60
38-14M-115	38	2F	C	166.60	169.34	184	120	-	133	148.0	32	19.20
40-14M-115	40	2F	C	175.49	178.25	192	135	-	133	148.0	32	20.56
44-14M-115	44	2F	C	193.28	196.08	211	140	-	133	148.0	32	21.93
48-14M-115	48	2F	C	211.11	213.90	226	150	-	133	148.0	32	25.00
56-14M-115	56	2F	C	246.76	249.55	265	150	-	133	148.0	32	27.50
64-14M-115	64	6F	C	282.41	285.21	296	150	242	133	133.0	32	30.10
72-14M-115	72	7	C	318.06	320.86	-	150	278	133	133.0	32	32.83
80-14M-115	80	7	C	353.71	356.51	-	150	314	133	133.0	32	35.55
90-14M-115	90	7	C	398.28	401.07	-	150	358	133	133.0	32	41.00
112-14M-115	112	7	C	496.32	499.11	-	150	456	133	133.0	32	54.40
144-14M-115	144	7	C	638.92	641.71	-	165	600	133	133.0	32	67.80
168-14M-115	168	7	C	745.87	748.66	-	165	706	133	133.0	32	75.80
192-14M-115	192	7	C	852.82	855.62	-	165	813	133	133.0	32	88.30
216-14M-115	216	7	C	959.76	962.57	-	165	920	133	133.0	32	98.00



14mm Pitch 14M-170 (170mm Wide Belt)

Product Designation	Number of Teeth	Type	Material	De	Dp	Df	Dm	Di	F	L	d	Mass kg
28-14M-170	28	2F	C	122.12	124.78	128	100	-	187	202.0	32	13.80
29-14M-170	29	2F	C	126.57	129.23	142	100	-	187	202.0	32	14.20
30-14M-170	30	2F	C	130.99	133.69	142	100	-	187	202.0	32	15.60
32-14M-170	32	2F	C	139.88	142.60	158	100	-	187	202.0	32	18.10
34-14M-170	34	2F	C	148.79	151.52	158	100	-	187	202.0	32	20.40
36-14M-170	36	2F	C	157.68	160.43	168	120	-	187	202.0	32	23.50
38-14M-170	38	2F	C	166.60	169.34	184	135	-	187	202.0	32	26.50
40-14M-170	40	2F	C	175.49	178.25	192	135	-	187	202.0	32	30.10
44-14M-170	44	2F	C	193.28	196.08	211	160	-	187	202.0	32	37.80
48-14M-170	48	2F	C	211.11	213.90	226	160	-	187	202.0	32	44.50
56-14M-170	56	2F	C	246.76	249.55	265	160	-	187	202.0	32	61.00
64-14M-170	64	2F	C	282.41	285.21	296	180	-	187	202.0	32	81.00
72-14M-170	72	7	C	318.06	320.86	-	180	278	187	187.0	32	61.40
80-14M-170	80	7	C	353.71	356.51	-	180	314	187	187.0	32	65.00
90-14M-170	90	7	C	398.28	401.07	-	180	358	187	187.0	38	68.00
112-14M-170	112	7	C	496.32	499.11	-	200	456	187	187.0	38	87.50
144-14M-170	144	7	C	638.92	641.71	-	220	600	187	187.0	38	114.00
168-14M-170	168	7	C	745.87	748.66	-	220	706	187	187.0	38	125.00
192-14M-170	192	7	C	852.82	855.62	-	220	813	187	187.0	38	136.40
216-14M-170	216	7	C	959.76	962.57	-	220	920	187	187.0	38	147.00

Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused. All dimensions in millimetres unless otherwise stated.

