

OPTIMUM

TIMING BELT PULLEY



☎ 038-016999

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MOTION POWER AND SERVICES CO., LTD

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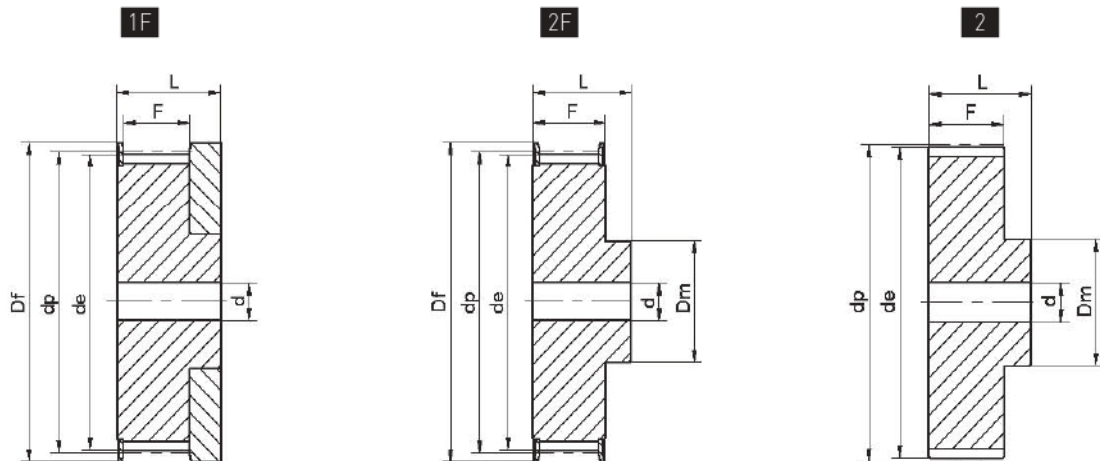
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MXL025

Timing belt pulleys for stock bore(P.1~P.13)

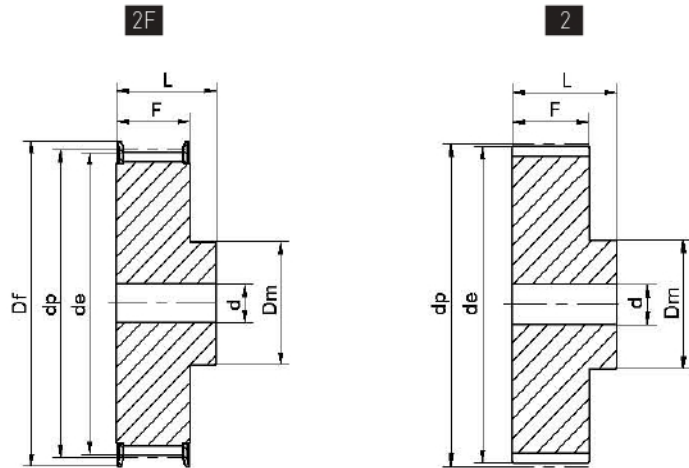


MXL-0.08" Pitch
MXL 025 For Belts 1/4" Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	F	L	d	FLANG	Weight (kg)
16 MXL 025	1F	Al	16	10.35	9.84	15		8.5	16		101	0.01
18 MXL 025	1F	Al	18	11.64	11.13	16		8.5	16		102	0.01
20 MXL 025	1F	Al	20	12.94	12.43	16		8.5	16		102	0.01
22 MXL 025	2F	Al	22	14.23	13.72	18	10	11	16	3	104	0.01
24 MXL 025	2F	Al	24	15.52	15.02	18	10	11	16	3	104	0.01
28 MXL 025	2F	Al	28	18.11	17.60	23	11	11	16	3	107	0.01
30 MXL 025	2F	Al	30	19.40	18.90	23	12	11	16	4	107	0.02
32 MXL 025	2F	Al	32	20.70	20.19	25	14	11	16	4	108	0.02
36 MXL 025	2F	Al	36	23.29	22.78	28	16	11	16	4	109	0.02
40 MXL 025	2F	Al	40	25.87	25.36	32	18	11	16	4	110	0.03
42 MXL 025	2F	Al	42	27.17	26.66	32	18	11	16	5	110	0.03
44 MXL 025	2F	Al	44	28.46	27.95	36	18	11	16	5	111	0.03
48 MXL 025	2	Al	48	31.05	30.54		20	11	16	5		0.03
60 MXL 025	2	Al	60	38.81	38.30		24	11	16	5		0.04
72 MXL 025	2	Al	72	46.57	46.06		25	11	16	6		0.05

XL037

Timing belt pulleys for stock bore(P.1~P.13)



XL-1/5" Pitch
XL 037 For Belts 3/8" Wide
Minimum Plain Bore

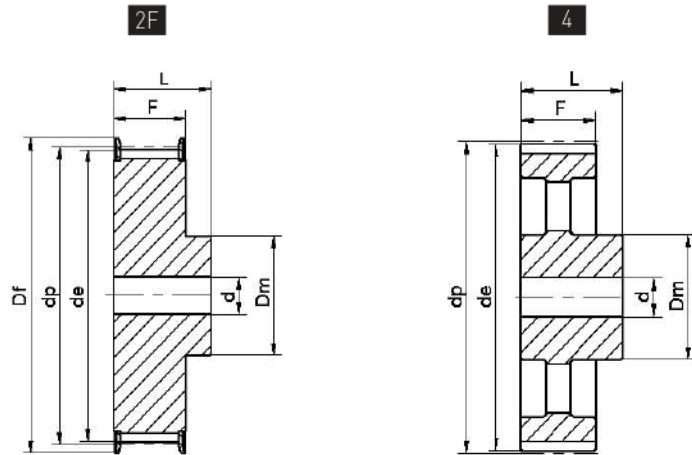
Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	F	L	d	FLANG	Weight (kg)
10 XL 037	2F	Al	10	16.17	15.66	23	10	14.3	20		201	0.01
11 XL 037	2F	Al	11	17.79	17.28	23	10	14.3	20		201	0.01
12 XL 037	2F	Al	12	19.40	18.90	25	10	14.3	20		203	0.01
13 XL 037	2F	Al	13	21.02	20.51	25	10	14.3	20		203	0.01
14 XL 037	2F	Al	14	22.64	22.13	28	16	14.3	20		204	0.02
15 XL 037	2F	Al	15	24.25	23.75	28	16	14.3	20		204	0.02
16 XL 037	2F	Al	16	25.87	25.36	32	16	14.3	20		205	0.03
17 XL 037	2F	Al	17	27.49	26.98	32	20	14.3	20		205	0.03
18 XL 037	2F	Al	18	29.11	28.60	36	20	14.3	20		206	0.04
19 XL 037	2F	Al	19	30.72	30.21	36	20	14.3	22		206	0.04
20 XL 037	2F	Al	20	32.34	31.83	38	25	14.3	22		207	0.05
21 XL 037	2F	Al	21	33.96	33.45	38	25	14.3	22		207	0.05
22 XL 037	2F	Al	22	35.57	35.07	42	25	14.3	22		208	0.06
24 XL 037	2F	Al	24	38.81	38.30	44	30	14.3	22		209	0.06
25 XL 037	2F	Al	25	40.42	39.92	44	30	14.3	22	8	209	0.06
26 XL 037	2F	Al	26	42.04	41.53	48	30	14.3	22	8	210	0.09
27 XL 037	2F	Al	27	43.66	43.15	48	34	14.3	22	8	210	0.09
28 XL 037	2F	Al	28	45.28	44.77	51	34	14.3	22	8	211	0.10
29 XL 037	2F	Al	29	46.89	46.38	51	34	14.3	22	8	211	0.11
30 XL 037	2F	Al	30	48.51	48.00	54	38	14.3	22	8	212	0.12
32 XL 037	2F	Al	32	51.74	51.24	57	38	14.3	25	8	213	0.12
33 XL 037	2F	Al	33	53.36	52.85	57	38	14.3	25	8	213	0.13
34 XL 037	2F	Al	34	54.98	54.47	60	38	14.3	25	8	214	0.13
35 XL 037	2F	Al	35	56.60	56.09	63	38	14.3	25	8	215	0.14
36 XL 037	2	Al	36	58.21	57.70		45	14.3	25	8		0.14
38 XL 037	2	Al	38	61.45	60.94		45	14.3	25	8		0.15
40 XL 037	2	Al	40	64.68	64.17		45	14.3	25	8		0.16
42 XL 037	2	Al	42	67.91	67.41		45	14.3	25	8		0.18
44 XL 037	2	Al	44	71.15	70.64		45	14.3	25	8		0.19
45 XL 037	2	Al	45	72.77	72.27		45	14.3	25	10		0.20
46 XL 037	2	Al	46	74.38	73.87		45	14.3	25	10		0.21
47 XL 037	2	Al	47	76.00	75.49		45	14.3	25	10		0.21
48 XL 037	2	Al	48	77.62	77.11		45	14.3	25	10		0.22
52 XL 037	2	Al	52	84.08	83.57		45	14.3	25	10		0.25
57 XL 037	2	Al	57	92.17	91.66		45	14.3	25	10		0.28
60 XL 037	2	Al	60	97.02	96.51		45	14.3	25	10		0.32
64 XL 037	2	Al	64	103.49	102.98		45	14.3	25	10		0.35
70 XL 037	2	Al	70	113.19	112.68		45	14.3	25	10		0.38
72 XL 037	2	Al	72	116.42	115.92		45	14.3	25	10		0.45

L050

Timing belt pulleys for stock bore(P.1-P.13)

Timing belt pulleys
 •XL037
 •L050

Timing belt pulleys for stock bore

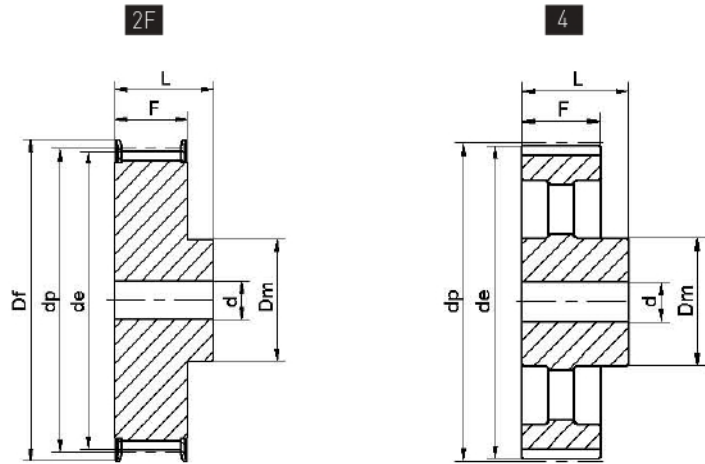


L-3/8" Pitch
 L 050 For Belts 1/2" Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	F	L	d	FLANG	Weight (kg)
10 L 05	2F	St	10	30.32	29.56	36	20	19	28	8	300	0.12
11 L 050	2F	St	11	33.35	32.59	38	24	19	30	8	301	0.14
12 L 050	2F	St	12	36.38	35.62	42	24	19	30	8	302	0.18
13 L 050	2F	St	13	39.41	38.65	44	28	19	30	8	303	0.20
14 L 050	2F	St	14	42.44	41.68	48	28	19	30	8	304	0.24
15 L 050	2F	St	15	45.48	44.72	51	34	19	30	8	305	0.29
16 L 050	2F	St	16	48.51	47.75	54	36	19	32	8	306	0.36
17 L 050	2F	St	17	51.54	50.78	57	36	19	32	10	307	0.37
18 L 050	2F	St	18	54.57	53.81	60	40	19	32	10	308	0.43
19 L 050	2F	St	19	57.61	56.84	63	40	19	32	10	309	0.46
20 L 050	2F	St	20	60.64	59.88	66	40	19	32	10	310	0.51
21 L 050	2F	St	21	63.67	62.91	71	45	19	32	10	311	0.59
22 L 050	2F	St	22	66.70	65.94	75	45	19	32	10	312	0.63
23 L 050	2F	St	23	69.73	68.97	79	55	19	32	10	313	0.76
24 L 050	2F	St	24	72.77	72.00	79	55	19	32	10	313	0.80
25 L 050	2F	St	25	75.80	75.04	83	58	19	32	10	314	0.89
26 L 050	2F	St	26	78.83	78.07	87	58	19	32	12	315	0.95
27 L 050	2F	St	27	81.86	81.10	87	58	19	32	12	315	0.97
28 L 050	2F	St	28	84.89	84.13	91	58	19	32	12	316	1.05
29 L 050	2F	St	29	87.93	87.16	91	58	19	32	12	316	1.20
30 L 050	2F	St	30	90.96	90.20	97	70	19	32	12	318	1.30
31 L 050	2F	St	31	93.99	93.23	103	70	19	32	12	320	1.35
32 L 050	2F	St	32	97.03	96.26	103	70	19	32	12	320	1.40
33 L 050	2F	St	33	100.05	99.29	106	70	19	32	12	321	1.47
4 L 050	2F	St	34	103.08	102.32	111	70	19	32	12	322	1.57
35 L 050	2F	St	35	106.12	105.35	111	70	19	32	12	322	1.62
36 L 050	2F	St	36	109.15	108.39	115	70	19	32	12	323	1.70
40 L 050	2F	St	40	121.29	120.51	127	70	19	32	12	327	2.01
42 L 050	2F	St	42	127.34	126.58	135	70	19	32	12	328	2.21
44 L 050	2F	St	44	133.40	132.64	140	70	19	32	12	330	2.37
45 L 050	2F	St	45	136.44	135.67	143	70	19	32	12	331	2.44
48 L 050	2F	St	48	145.53	144.77	152	70	19	32	12	334	2.73
50 L 050	4	GG	50	151.60	150.83	70	70	19	32	14		1.80
52 L 050	4	GG	52	157.66	156.90	70	70	19	32	14		1.94
56 L 050	4	GG	56	169.79	169.02	70	70	19	32	14		1.88
57 L 050	4	GG	57	172.82	172.06	70	70	19	32	14		2.20
60 L 050	4	GG	60	181.91	181.15	75	75	19	42	14		2.44
72 L 050	4	GG	72	218.29	217.53	75	75	19	42	14		2.87
84 L 050	4	GG	84	254.68	253.92	75	75	19	42	14		3.36
90 L 050	4	GG	90	272.87	272.11	75	75	19	42	14		3.60
96 L 050	4	GG	96	291.06	290.30	75	75	19	42	14		4.28
120 L 050	4	GG	120	363.83	363.07	75	75	19	42	14		6.50

L075

Timing belt pulleys for stock bore(P.1~P.13)

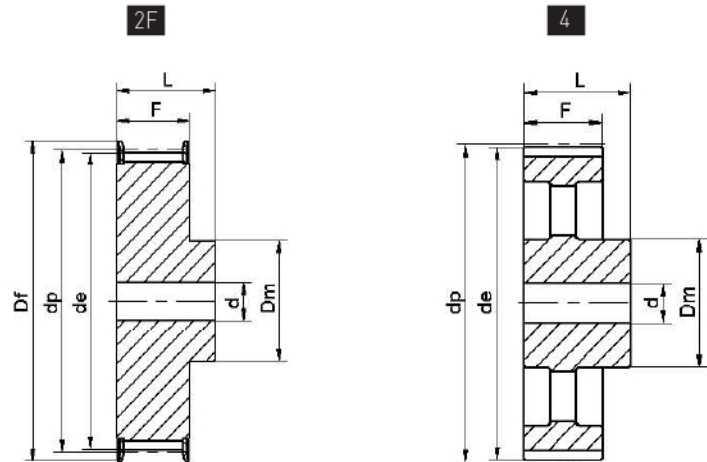


L-3/8" Pitch
 L 075 For Belts 3/4" Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	F	L	d	FLANG	Weight (kg)
10 L 075	2F	St	10	30.32	29.56	36	20	25.4	38	8	300	0.14
11 L 075	2F	St	11	33.35	32.59	38	24	25.4	38	8	301	0.19
12 L 075	2F	St	12	36.38	35.62	42	24	25.4	38	8	302	0.21
13 L 075	2F	St	13	39.41	38.65	44	28	25.4	38	8	303	0.27
14 L 075	2F	St	14	42.44	41.68	48	28	25.4	38	8	304	0.30
15 L 075	2F	St	15	45.48	44.72	51	34	25.4	38	8	305	0.35
16 L 075	2F	St	16	48.51	47.75	54	36	25.4	38	8	306	0.42
17 L 075	2F	St	17	51.54	50.78	57	36	25.4	38	10	307	0.45
18 L 075	2F	St	18	54.57	53.81	60	40	25.4	38	10	308	0.53
19 L 075	2F	St	19	57.61	56.84	63	40	25.4	38	10	309	0.58
20 L 075	2F	St	20	60.64	59.88	66	40	25.4	38	10	310	0.62
21 L 075	2F	St	21	63.67	62.91	71	45	25.4	38	10	311	0.73
22 L 075	2F	St	22	66.70	65.94	75	45	25.4	38	10	312	0.79
23 L 075	2F	St	23	69.73	68.97	79	55	25.4	38	10	313	0.93
24 L 075	2F	St	24	72.77	72.00	79	55	25.4	38	10	313	1.00
25 L 075	2F	St	25	75.80	75.04	83	58	25.4	38	10	314	1.10
26 L 075	2F	St	26	78.83	78.07	87	58	25.4	38	12	315	1.15
27 L 075	2F	St	27	81.86	81.10	87	58	25.4	38	12	315	1.22
28 L 075	2F	St	28	84.89	84.13	91	58	25.4	38	12	316	1.30
29 L 075	2F	St	29	87.93	87.16	91	58	25.4	38	12	316	1.42
30 L 075	2F	St	30	90.96	90.20	97	70	25.4	38	12	318	1.56
31 L 075	2F	St	31	93.99	93.23	103	70	25.4	38	12	320	1.64
32 L 075	2F	St	32	97.03	96.26	103	70	25.4	38	12	320	1.75
33 L 075	2F	St	33	100.05	99.29	106	70	25.4	38	12	321	1.83
34 L 075	2F	St	34	103.08	102.32	111	70	25.4	38	12	322	1.93
35 L 075	2F	St	35	106.12	105.35	111	70	25.4	38	12	322	2.03
36 L 075	2F	St	36	109.15	108.39	115	70	25.4	38	12	323	2.14
38 L 075	2F	St	38	115.21	114.45	127	70	25.4	38	12	327	2.30
40 L 075	2F	St	40	121.29	120.51	127	70	25.4	38	12	327	2.56
42 L 075	2F	St	42	127.34	126.58	135	70	25.4	38	12	328	2.81
44 L 075	2F	St	44	133.40	132.64	140	70	25.4	38	12	330	3.12
45 L 075	2F	St	45	136.44	135.67	143	70	25.4	38	12	331	3.16
48 L 075	2F	St	48	145.53	144.77	152	70	25.4	38	12	334	3.51
50 L 075	4	GG	50	151.60	150.83	70	25.4	38	14	14		2.21
52 L 075	4	GG	52	157.66	156.90	70	25.4	38	14	14		2.35
56 L 075	4	GG	56	169.79	169.02	70	25.4	38	14	14		2.30
57 L 075	4	GG	57	172.82	172.06	70	25.4	38	14	14		2.50
60 L 075	4	GG	60	181.91	181.15	75	25.4	45	14	14		2.85
66 L 075	4	GG	66	200.10	199.34	75	25.4	45	14	14		3.28
72 L 075	4	GG	72	218.29	217.53	75	25.4	45	14	14		3.60
84 L 075	4	GG	84	254.68	253.92	75	25.4	45	14	14		4.16
96 L 075	4	GG	96	291.06	290.30	75	25.4	45	14	14		4.53
120 L 075	4	GG	120	363.83	363.07	75	25.4	45	14	14		7.00

L100

Timing belt pulleys for stock bore(P.1-P.13)

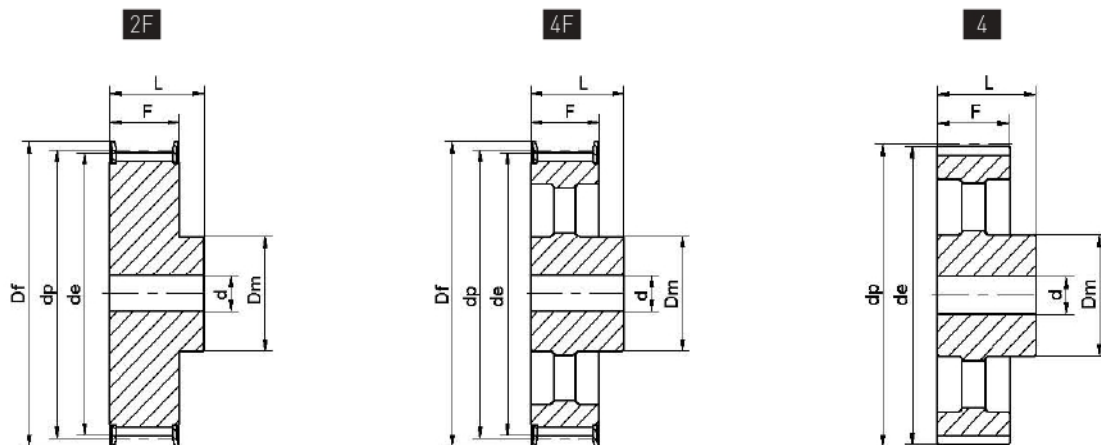


L-3/8" Pitch
 L 100 For Belts 1" Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	F	L	d	FLANG	Weight (kg)
10 L 100	2F	St	10	30.32	29.56	36	20	31.8	45	8	300	0.16
11 L 100	2F	St	11	33.35	32.59	38	24	31.8	45	8	301	0.21
12 L 100	2F	St	12	36.38	35.62	42	24	31.8	45	8	302	0.25
13 L 100	2F	St	13	39.41	38.65	44	28	31.8	45	8	303	0.30
14 L 100	2F	St	14	42.44	41.68	48	28	31.8	45	10	304	0.35
15 L 100	2F	St	15	45.48	44.72	51	34	31.8	45	10	305	0.43
16 L 100	2F	St	16	48.51	47.75	54	36	31.8	45	10	306	0.50
17 L 100	2F	St	17	51.54	50.78	57	36	31.8	45	10	307	0.55
18 L 100	2F	St	18	54.57	53.81	60	40	31.8	45	10	308	0.64
19 L 100	2F	St	19	57.61	56.84	63	40	31.8	45	10	309	0.69
20 L 100	2F	St	20	60.64	59.88	66	40	31.8	45	10	310	0.76
21 L 100	2F	St	21	63.67	62.91	71	45	31.8	45	10	311	0.88
22 L 100	2F	St	22	66.70	65.94	75	45	31.8	45	12	312	0.90
23 L 100	2F	St	23	69.73	68.97	79	55	31.8	45	12	313	1.11
24 L 100	2F	St	24	72.77	72.00	79	55	31.8	45	12	313	1.18
25 L 100	2F	St	25	75.80	75.04	83	58	31.8	45	12	314	1.30
26 L 100	2F	St	26	78.83	78.07	87	58	31.8	45	12	315	1.40
27 L 100	2F	St	27	81.86	81.10	87	58	31.8	45	12	315	1.46
28 L 100	2F	St	28	84.89	84.13	91	58	31.8	45	12	316	1.60
29 L 100	2F	St	29	87.93	87.16	91	58	31.8	45	12	316	1.75
30 L 100	2F	St	30	90.96	90.20	97	70	31.8	45	12	318	1.91
31 L 100	2F	St	31	93.99	93.23	103	70	31.8	45	12	320	1.98
32 L 100	2F	St	32	97.03	96.26	103	70	31.8	45	12	320	2.09
33 L 100	2F	St	33	100.05	99.29	106	70	31.8	45	12	321	2.22
34 L 100	2F	St	34	103.08	102.32	111	70	31.8	45	12	322	2.34
35 L 100	2F	St	35	106.12	105.35	111	70	31.8	45	12	322	2.30
36 L 100	2F	St	36	109.15	108.39	115	70	31.8	45	12	323	2.59
37 L 100	2F	St	37	112.18	111.42	119	70	31.8	45	12	325	2.70
40 L 100	2F	St	40	121.29	120.51	127	70	31.8	45	12	327	3.11
42 L 100	2F	St	42	127.34	126.58	135	70	31.8	45	12	328	3.40
43 L 100	2F	St	43	130.37	129.61	135	70	31.8	45	12	328	3.50
44 L 100	2F	St	44	133.40	132.64	140	70	31.8	45	12	330	3.60
45 L 100	2F	St	45	136.44	135.67	143	70	31.8	45	12	331	3.88
48 L 100	2F	St	48	145.53	144.77	152	70	31.8	45	12	334	4.38
50 L 100	4	GG	50	151.60	150.83		70	31.8	45	14		2.72
52 L 100	4	GG	52	157.66	156.90		70	31.8	45	14		3.00
56 L 100	4	GG	56	169.79	169.02		70	31.8	45	14		2.92
57 L 100	4	GG	57	172.82	172.06		70	31.8	45	14		3.03
60 L 100	4	GG	60	181.91	181.15		75	31.8	45	14		3.20
66 L 100	4	GG	66	200.10	199.34		75	31.8	45	14		3.67
72 L 100	4	GG	72	218.29	217.53		75	31.8	45	14		4.02
84 L 100	4	GG	84	254.68	253.92		75	31.8	45	14		4.65
96 L 100	4	GG	96	291.06	290.30		75	31.8	45	14		5.38
120 L 100	4	GG	120	363.83	363.07		75	31.8	45	14		7.50

H075

Timing belt pulleys for stock bore(P.1-P.13)



H-1/2" Pitch
 H 075 For Belts 3/4" Wide
 Minimum Plain Bore

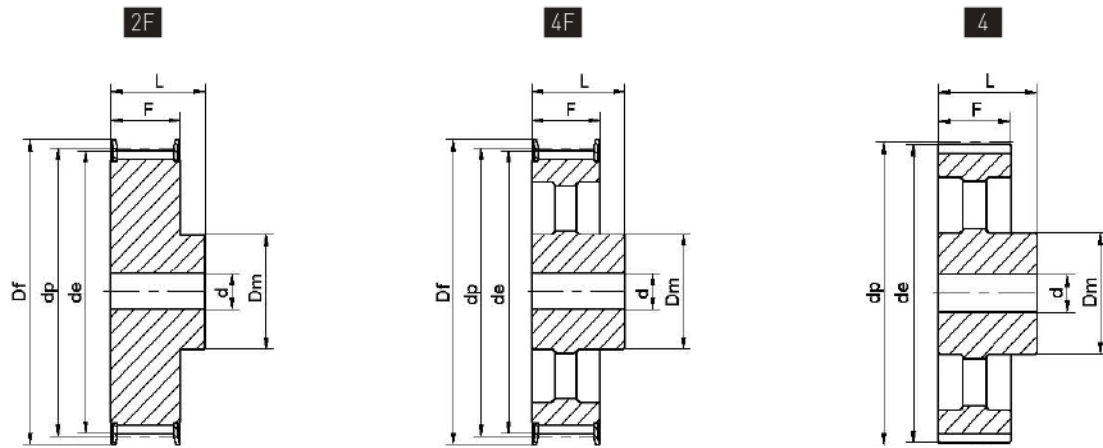
Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	F	L	d	FLANG	Weight (kg)
14 H 075	2F	St	14	56.59	55.22	63	40	26.4	40	10	309	0.58
15 H 075	2F	St	15	60.64	59.27	66	45	26.4	40	10	310	0.69
16 H 075	2F	St	16	64.68	63.31	71	45	26.4	40	10	311	0.77
17 H 075	2F	St	17	68.72	67.35	75	45	26.4	40	12	312	0.84
18 H 075	2F	St	18	72.77	71.39	79	55	26.4	40	12	313	0.93
19 H 075	2F	St	19	76.81	75.44	83	60	26.4	40	12	314	1.06
20 H 075	2F	St	20	80.85	79.48	87	62	26.4	40	12	315	1.28
21 H 075	2F	St	21	84.89	83.52	91	65	26.4	40	12	316	1.42
22 H 075	2F	St	22	88.94	87.56	93	68	26.4	40	12	317	1.55
23 H 075	2F	St	23	92.98	91.61	97	72	26.4	40	12	318	1.71
24 H 075	2F	St	24	97.03	95.65	103	72	26.4	40	12	320	1.83
25 H 075	2F	St	25	101.06	99.69	106	72	26.4	40	12	321	1.96
26 H 075	2F	St	26	105.11	103.73	111	80	26.4	40	12	322	2.2
27 H 075	2F	St	27	109.15	107.78	115	80	26.4	40	12	323	2.32
28 H 075	2F	St	28	113.19	111.82	119	80	26.4	40	12	325	2.47
30 H 075	2F	St	30	121.29	119.90	127	80	26.4	40	14	327	2.75
32 H 075	2F	St	32	129.36	127.99	135	80	26.4	40	14	328	2.99
33 H 075	2F	St	33	133.40	132.03	140	80	26.4	40	14	330	3.25
34 H 075	2F	St	34	137.45	136.07	143	80	26.4	40	14	331	3.42
35 H 075	2F	St	35	141.49	140.12	148	80	26.4	40	14	333	3.61
36 H 075	2F	St	36	145.53	144.16	152	80	26.4	40	14	334	3.8
38 H 075	2F	St	38	153.62	152.24	158	80	26.4	40	14	335	4.16
40 H 075	2F	St	40	161.70	160.33	168	80	26.4	40	14	338	4.58
42 H 075	2F	St	42	169.78	168.41	183	80	26.4	40	14	406	5.00
44 H 075	4F	GG	44	177.87	176.50	184	80	26.4	40	18	339	3.44
45 H 075	4F	GG	45	181.91	180.54	192	80	26.4	40	18	340	3.50
48 H 075	4F	GG	48	194.04	192.67	200	90	26.4	45	18	342	4.03
50 H 075	4	GG	50	202.13	200.75	90	90	26.4	45	18		4.15
52 H 075	4	GG	52	210.21	208.84	90	90	26.4	45	18		4.20
57 H 075	4	GG	57	230.43	229.05	90	90	26.4	45	18		4.45
58 H 075	4	GG	58	234.47	233.09	90	90	26.4	45	18		4.65
60 H 075	4	GG	60	242.55	241.18	100	100	26.4	45	18		5.20
70 H 075	4	GG	70	282.98	281.61	100	100	26.4	45	18		6.30
72 H 075	4	GG	72	291.06	289.69	100	100	26.4	45	18		6.50
76 H 075	4	GG	76	307.23	305.86	100	100	26.4	55	18		7.50
84 H 075	4	GG	84	339.57	338.20	100	100	26.4	55	18		8.10
96 H 075	4	GG	96	388.08	386.71	100	100	26.4	55	18		9.50
120 H 075	4	GG	120	485.10	483.73	120	120	26.4	55	18		12.50
156 H 075	4	GG	156	630.64	629.26	120	120	26.4	55	18		15.30

H100

Timing belt pulleys for stock bore(P.1-P.13)

Timing belt pulleys
 • H075
 • H100

Timing belt pulleys for stock bore

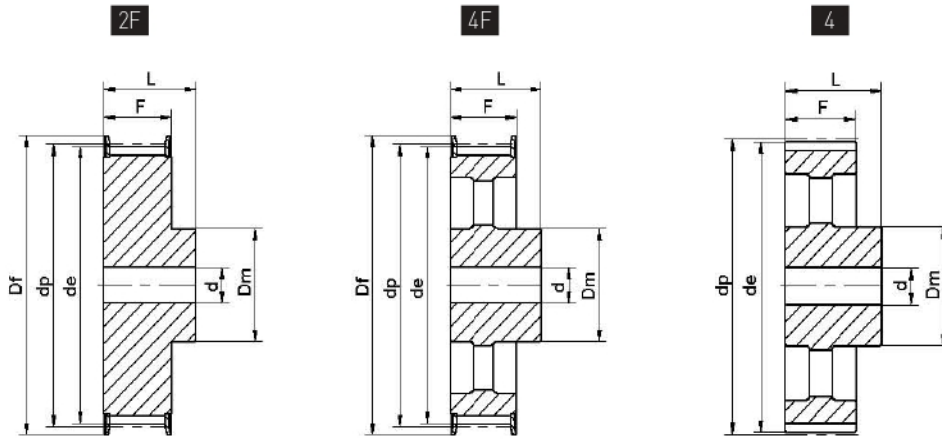


H-1/2" Pitch
 H 100 For Belts 1" Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	F	L	d	FLANG	Weight (kg)
14 H 100	2F	St	14	56.59	55.22	63	40	31.8	45	12	309	0.65
15 H 100	2F	St	15	60.64	59.27	66	45	31.8	45	12	310	0.77
16 H 100	2F	St	16	64.68	63.31	71	45	31.8	45	12	311	0.86
17 H 100	2F	St	17	68.72	67.35	75	45	31.8	45	12	312	1.00
18 H 100	2F	St	18	72.77	71.39	79	55	31.8	45	12	313	1.16
19 H 100	2F	St	19	76.81	75.44	83	60	31.8	45	14	314	1.30
20 H 100	2F	St	20	80.85	79.48	87	62	31.8	45	14	315	1.44
21 H 100	2F	St	21	84.89	83.52	91	65	31.8	45	14	316	1.60
22 H 100	2F	St	22	88.94	87.56	93	68	31.8	45	14	317	1.75
23 H 100	2F	St	23	92.98	91.61	97	72	31.8	45	14	318	1.94
24 H 100	2F	St	24	97.03	95.65	103	72	31.8	45	14	320	2.07
25 H 100	2F	St	25	101.06	99.69	106	72	31.8	45	14	321	2.21
26 H 100	2F	St	26	105.11	103.73	111	80	31.8	45	14	322	2.50
27 H 100	2F	St	27	109.15	107.78	115	80	31.8	45	14	323	2.66
28 H 100	2F	St	28	113.19	111.82	119	80	31.8	45	14	325	2.82
29 H 103	2F	St	29	117.23	115.86	123	80	31.8	45	14	326	3.02
30 H 100	2F	St	30	121.29	119.90	127	80	31.8	45	14	327	3.20
31 H 100	2F	St	31	125.32	123.95	135	80	31.8	45	14	328	3.35
32 H 100	2F	St	32	129.36	127.99	135	80	31.8	45	14	328	3.59
33 H 100	2F	St	33	133.40	132.03	140	80	31.8	45	14	330	3.75
34 H 100	2F	St	34	137.45	136.07	143	80	31.8	45	14	331	3.93
35 H 100	2F	St	35	141.49	140.12	148	80	31.8	45	14	333	4.20
36 H 100	2F	St	36	145.53	144.16	152	80	31.8	45	14	334	4.44
37 H 100	2F	St	37	149.57	148.20	152	80	31.8	45	14	334	4.60
38 H 100	2F	St	38	153.62	152.24	158	80	31.8	45	14	335	4.82
40 H 100	2F	St	40	161.70	160.33	168	80	31.8	45	14	338	5.30
44 H 100	4F	GG	44	177.87	176.50	184	80	31.8	50	18	339	3.78
45 H 100	4F	GG	45	181.91	180.54	192	80	31.8	50	18	340	4.00
48 H 100	4F	GG	48	194.04	192.67	200	90	31.8	50	18	342	4.58
49 H 100	4	GG	49	198.08	196.71		90	31.8	50	18		4.71
50 H 100	4	GG	50	202.13	200.75		90	31.8	50	18		4.78
52 H 100	4	GG	52	210.21	208.84		90	31.8	50	18		5.00
58 H 100	4	GG	58	234.47	233.09		90	31.8	50	18		5.48
60 H 100	4	GG	60	242.55	241.18		100	31.8	50	18		5.56
70 H 100	4	GG	70	282.98	281.61		100	31.8	55	18		6.80
72 H 100	4	GG	72	291.06	289.69		120	31.8	55	18		8.70
84 H 100	4	GG	84	339.57	338.20		120	31.8	55	18		9.30
96 H 100	4	GG	96	388.08	386.71		120	31.8	60	18		10.86
120 H 100	4	GG	120	485.10	483.73		120	31.8	60	18		13.50
150 H 100	4	GG	150	606.38	605.01		120	31.8	60	19		21.00
156 H 100	4	GG	156	630.64	629.26		120	31.8	60	19		23.00

H150

Timing belt pulleys for stock bore(P.1-P.13)



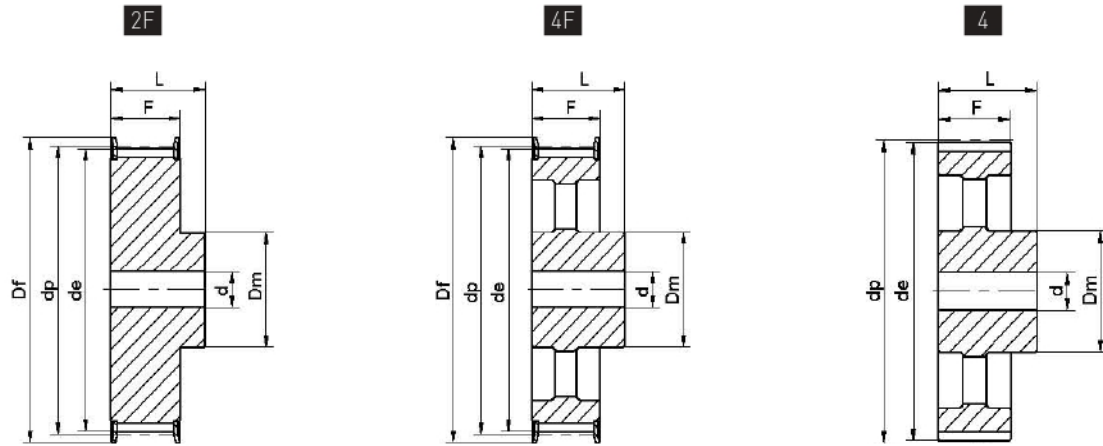
H-1/2" Pitch
 H 150 For Belts 1 1/2" Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	F	L	d	FLANG	Weight (kg)
14 H 150	2F	St	14	56.59	55.22	63	40	46	58	18	309	0.85
15 H 150	2F	St	15	60.64	59.27	66	45	46	58	18	310	0.96
16 H 150	2F	St	16	64.68	63.31	71	45	46	58	18	311	1.10
17 H 150	2F	St	17	68.72	67.35	75	45	46	58	18	312	1.24
18 H 150	2F	St	18	72.77	71.39	79	55	46	58	18	313	1.48
19 H 150	2F	St	19	76.81	75.44	83	60	46	58	18	314	1.68
20 H 150	2F	St	20	80.85	79.48	87	62	46	58	18	315	1.82
21 H 150	2F	St	21	84.89	83.52	91	65	46	58	18	316	2.07
22 H 150	2F	St	22	88.94	87.56	93	68	46	58	18	317	2.30
23 H 150	2F	St	23	92.98	91.61	97	72	46	58	18	318	2.54
24 H 150	2F	St	24	97.03	95.65	103	72	46	58	18	320	2.73
25 H 150	2F	St	25	101.06	99.69	106	72	46	58	18	321	2.95
26 H 150	2F	St	26	105.11	103.73	111	80	46	58	18	322	3.29
27 H 150	2F	St	27	109.15	107.78	115	80	46	58	18	323	3.51
28 H 150	2F	St	28	113.19	111.82	119	80	46	58	18	325	3.78
29 H 150	2F	St	29	117.23	115.86	123	80	46	58	18	326	4.03
30 H 150	2F	St	30	121.29	119.90	127	80	46	58	18	327	4.27
32 H 150	2F	St	32	129.36	127.99	135	80	46	58	18	328	4.85
33 H 150	2F	St	33	133.40	132.03	140	80	46	58	18	330	5.15
34 H 150	2F	St	34	137.45	136.07	143	80	46	58	18	331	5.46
35 H 150	2F	St	35	141.49	140.12	148	80	46	58	18	333	5.76
36 H 150	2F	St	36	145.53	144.16	152	80	46	58	18	334	6.05
38 H 150	2F	St	38	153.62	152.24	158	80	46	58	18	335	6.75
39 H 150	2F	St	39	157.66	156.29	168	80	46	58	18	338	7.10
40 H 150	2F	St	40	161.70	160.33	168	80	46	58	18	338	7.42
44 H 150	4F	GG	44	177.87	176.50	184	80	46	58	18	339	4.65
45 H 150	4F	GG	45	181.91	180.54	192	80	46	58	18	340	5.08
46 H 150	4F	GG	46	185.96	184.59	192	80	46	58	18	340	5.20
48 H 150	4F	GG	48	194.04	192.67	200	90	46	65	18	342	5.83
49 H 150	4	GG	49	198.08	196.71		90	46	65	18		6.15
50 H 150	4	GG	50	202.13	200.75		90	46	65	18		6.30
52 H 150	4	GG	52	210.21	208.84		90	46	65	18		6.62
58 H 150	4	GG	58	234.47	233.09		90	46	65	18		7.08
60 H 150	4	GG	60	242.55	241.18		100	46	65	18		7.30
63 H 150	4	GG	63	254.68	253.31		100	46	65	18		7.80
70 H 150	4	GG	70	282.98	281.61		100	46	65	24		9.19
72 H 150	4	GG	72	291.06	289.69		120	46	65	24		9.92
84 H 150	4	GG	84	339.57	338.20		120	46	65	24		11.70
96 H 150	4	GG	96	388.08	386.71		120	46	65	24		13.10
120 H 150	4	GG	120	485.10	483.73		120	46	65	24		17.20
156 H 150	4	GG	156	630.64	629.26		120	46	65	24		22.00

H200

Timing belt pulleys for stock bore(P.1~P.13)

Timing belt pulleys
 ● H150
 ● H200

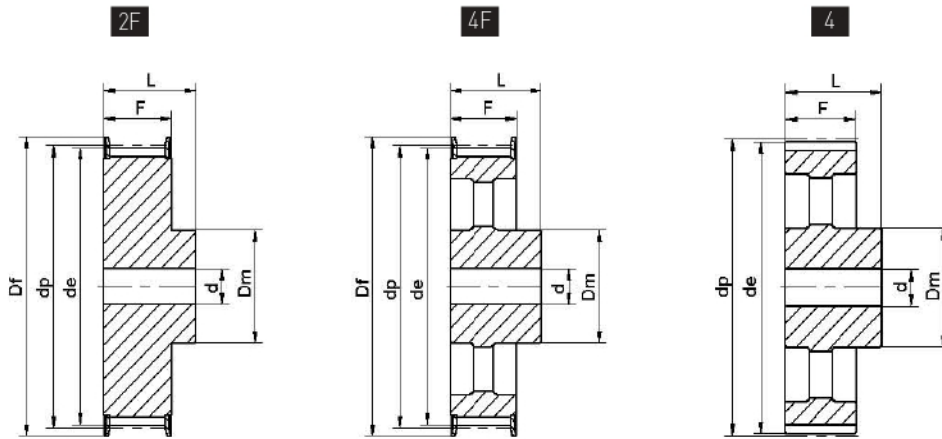


H-1/2" Pitch
 H 200 For Belts 2" Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	F	L	d	FLANG	Weight (kg)
14 H 200	2F	St	14	56.59	55.22	63	40	58.7	70	18	309	1.01
15 H 200	2F	St	15	60.64	59.27	66	45	58.7	70	18	310	1.18
16 H 200	2F	St	16	64.68	63.31	71	45	58.7	70	18	311	1.35
17 H 200	2F	St	17	68.72	67.35	75	45	58.7	70	18	312	1.37
18 H 200	2F	St	18	72.77	71.39	79	55	58.7	70	18	313	1.80
19 H 200	2F	St	19	76.81	75.44	83	60	58.7	70	18	314	2.05
20 H 200	2F	St	20	80.85	79.48	87	62	58.7	70	18	315	2.01
21 H 200	2F	St	21	84.89	83.52	91	65	58.7	70	18	316	2.54
22 H 200	2F	St	22	88.94	87.56	93	68	58.7	70	18	317	2.81
23 H 200	2F	St	23	92.98	91.61	97	72	58.7	70	18	318	3.10
24 H 200	2F	St	24	97.03	95.65	103	72	58.7	70	18	320	3.37
25 H 200	2F	St	25	101.06	99.69	106	72	58.7	70	18	321	3.65
26 H 200	2F	St	26	105.11	103.73	111	80	58.7	70	18	322	4.00
27 H 200	2F	St	27	109.15	107.78	115	80	58.7	70	18	323	4.32
28 H 200	2F	St	28	113.19	111.82	119	80	58.7	70	18	325	4.64
29 H 200	2F	St	29	117.23	115.86	123	80	58.7	70	18	326	4.97
30 H 200	2F	St	30	121.29	119.90	127	80	58.7	70	18	327	5.47
32 H 200	2F	St	32	129.36	127.99	135	80	58.7	70	18	328	6.00
33 H 200	2F	St	33	133.40	132.03	140	80	58.7	70	18	330	6.41
34 H 200	2F	St	34	137.45	136.07	143	80	58.7	70	18	331	6.75
35 H 200	2F	St	35	141.49	140.12	148	80	58.7	70	18	333	7.10
36 H 200	2F	St	36	145.53	144.16	152	80	58.7	70	18	334	7.75
38 H 200	2F	St	38	153.62	152.24	158	80	58.7	70	18	335	8.45
40 H 200	2F	St	40	161.70	160.33	168	80	58.7	70	18	338	9.50
44 H 200	4F	GG	44	177.87	176.50	184	80	58.7	70	18	339	5.65
45 H 200	4F	GG	45	181.91	180.54	192	80	58.7	70	18	340	6.35
47 H 200	4F	GG	47	190.00	188.63	200	90	58.7	75	24	342	6.70
48 H 200	4F	GG	48	194.04	192.67	200	90	58.7	75	24	342	6.95
50 H 200	4	GG	50	202.13	200.75	90	90	58.7	75	24		7.54
51 H 200	4	GG	51	206.17	204.80	90	90	58.7	75	24		6.75
52 H 200	4	GG	52	210.21	208.84	90	90	58.7	75	24		6.81
53 H 200	4	GG	53	214.25	212.88	90	90	58.7	75	24		7.00
58 H 200	4	GG	58	234.47	233.09	90	90	58.7	75	24		8.56
60 H 200	4	GG	60	242.55	241.18	100	100	58.7	75	24		9.55
70 H 200	4	GG	70	282.98	281.61	100	100	58.7	75	28		10.80
72 H 200	4	GG	72	291.06	289.69	120	120	58.7	75	28		11.65
80 H 200	4	GG	80	323.40	322.03	120	120	58.7	75	28		12.20
84 H 200	4	GG	84	339.57	338.20	120	120	58.7	75	28		13.95
96 H 200	4	GG	96	388.08	386.71	120	120	58.7	75	28		15.06
120 H 200	4	GG	120	485.10	483.73	120	120	58.7	75	28		21.00
156 H 200	4	GG	156	630.64	629.26	120	120	58.7	75	28		33.00

H300

Timing belt pulleys for stock bore(P.1-P.13)



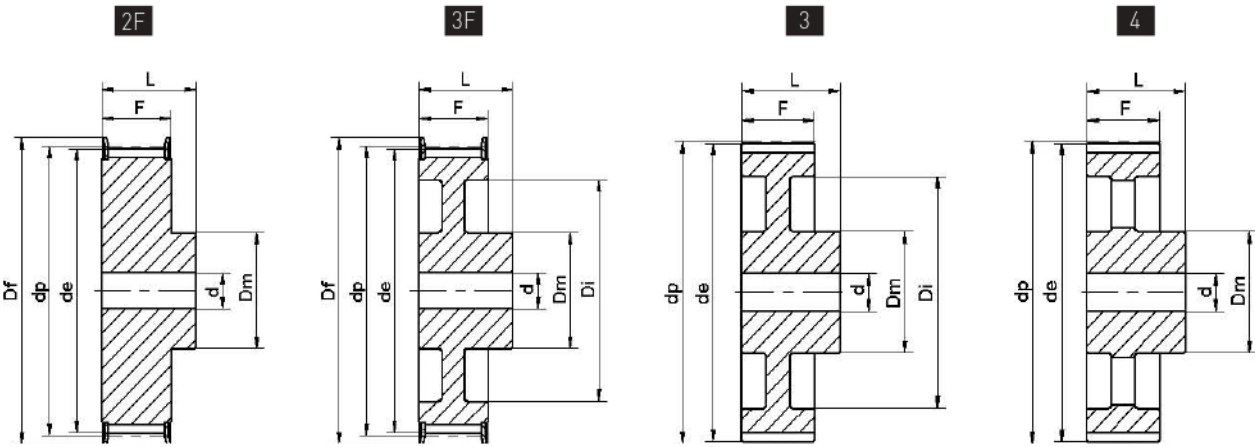
H-1/2" Pitch
 H 300 For Belts 3" Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	F	L	d	FLANG	Weight (kg)
14 H 300	2F	St	14	56.59	55.22	63	40	85.7	100	18	309	1.64
15 H 300	2F	St	15	60.64	59.27	66	45	85.7	100	18	310	1.91
16 H 300	2F	St	16	64.68	63.31	71	45	85.7	100	18	311	1.93
17 H 300	2F	St	17	68.72	67.35	75	45	85.7	100	18	312	2.00
18 H 300	2F	St	18	72.77	71.39	79	55	85.7	100	18	313	2.21
19 H 300	2F	St	19	76.81	75.44	83	60	85.7	100	18	314	3.16
20 H 300	2F	St	20	80.85	79.48	87	62	85.7	100	18	315	3.29
21 H 300	2F	St	21	84.89	83.52	91	65	85.7	100	18	316	3.87
22 H 300	2F	St	22	88.94	87.56	93	68	85.7	100	18	317	4.05
23 H 300	2F	St	23	92.98	91.61	97	72	85.7	100	18	318	4.61
24 H 300	2F	St	24	97.03	95.65	103	72	85.7	100	18	320	4.86
25 H 300	2F	St	25	101.06	99.69	106	72	85.7	100	18	321	5.45
26 H 300	2F	St	26	105.11	103.73	111	80	85.7	100	18	322	5.78
27 H 300	2F	St	27	109.15	107.78	115	80	85.7	100	18	323	6.25
28 H 300	2F	St	28	113.19	111.82	119	80	85.7	100	18	325	6.51
29 H 300	2F	St	29	117.23	115.86	123	80	85.7	100	18	326	7.40
30 H 300	2F	St	30	121.29	119.90	127	80	85.7	100	18	327	7.90
32 H 300	2F	St	32	129.36	127.99	135	80	85.7	100	18	328	9.01
33 H 300	2F	St	33	133.40	132.03	140	80	85.7	100	18	330	9.46
34 H 300	2F	St	34	137.45	136.07	143	80	85.7	100	18	331	10.04
35 H 300	2F	St	35	141.49	140.12	148	80	85.7	100	18	333	10.62
36 H 300	2F	St	36	145.53	144.16	152	80	85.7	100	18	334	11.31
38 H 300	2F	St	38	153.62	152.24	158	80	85.7	100	18	335	12.44
40 H 300	2F	St	40	161.70	160.33	168	80	85.7	100	18	338	13.50
44 H 300	4F	GG	44	177.87	176.50	184	80	85.7	100	24	339	8.55
48 H 300	4F	GG	48	194.04	192.67	200	90	85.7	100	24	342	9.81
49 H 300	4	GG	49	198.08	196.71		90	85.7	100	24		10.05
50 H 300	4	GG	50	202.13	200.75		90	85.7	100	24		10.25
54 H 300	4	GG	54	218.30	216.92		90	85.7	100	24		11.00
57 H 300	4	GG	57	230.43	229.05		90	85.7	100	24		11.30
58 H 300	4	GG	58	234.47	233.09		90	85.7	100	24		11.55
60 H 300	4	GG	60	242.55	241.18		100	85.7	100	24		12.57
66 H 300	4	GG	66	266.81	265.44		100	85.7	100	24		13.00
70 H 300	4	GG	70	282.98	281.61		100	85.7	100	28		14.43
72 H 300	4	GG	72	291.06	289.69		120	85.7	100	28		15.20
80 H 300	4	GG	80	323.40	322.03		120	85.7	100	28		17.20
82 H 300	4	GG	82	331.49	330.12		120	85.7	100	28		18.80
84 H 300	4	GG	84	339.57	338.20		120	85.7	100	28		19.20
96 H 300	4	GG	96	388.08	386.71		120	85.7	100	28		20.10
120 H 300	4	GG	120	485.10	483.73		120	85.7	100	28		26.50
156 H 300	4	GG	156	630.64	629.26		120	85.7	100	28		38.00

XH200

Timing belt pulleys for stock bore(P.1-P.13)

Timing belt pulleys
 ● H300
 ● XH200



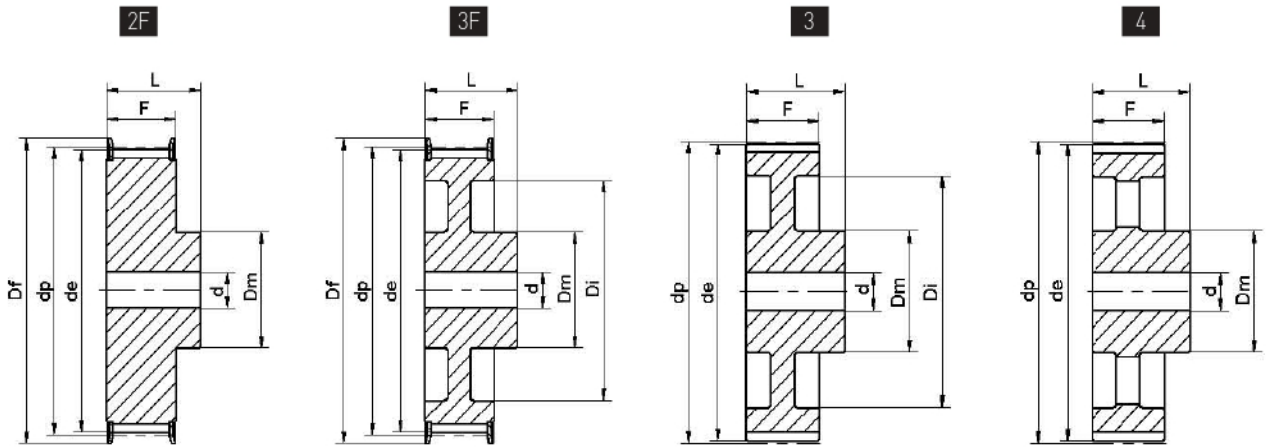
XH-7/8" Pitch
 XH 200 For Belts 2" Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	F	L	d	FLANG	Weight (kg)
18 XH 200	2F	St	18	127.34	124.55	138	100	65	80	24	401	5.38
19 XH 200	2F	St	19	134.41	131.62	146	100	65	80	24	402	6.60
20 XH 200	2F	St	20	141.49	138.69	154	100	65	80	24	403	7.19
21 XH 200	2F	St	21	148.56	145.77	160	110	65	80	24	404	8.73
22 XH 200	2F	St	22	155.64	152.84	168	110	65	80	24	405	9.00
24 XH 200	2F	St	24	169.79	166.99	183	120	65	80	24	406	9.24
25 XH 200	2F	St	25	176.86	174.07	188	120	65	80	24	407	11.50
26 XH 200	2F	St	26	183.93	181.14	198	120	65	80	24	409	12.00
27 XH 200	2F	St	27	191.01	188.22	200	120	65	80	24	410	12.50
28 XH 200	2F	St	28	198.09	195.29	211	120	65	80	24	411	12.79
30 XH 200	2F	St	30	212.23	209.44	226	120	65	80	24	412	17.69
32 XH 200	2F	St	32	226.38	223.59	240	120	65	80	24	414	19.95
34 XH 200	2F	St	34	240.53	237.74	256	120	65	80	24	415	22.75
38 XH 200	3F	GG	38	268.83	266.03		150	65	100	28		22.50
40 XH 200	3F	GG	40	282.98	280.18		150	65	100	28		22.81
46 XH 200	3	GG	46	325.42	322.63		150	65	100	28		25.00
48 XH 200	3	GG	48	339.57	336.78		150	65	100	28		26.00
50 XH 200	3	GG	50	353.72	350.93		150	65	100	28		30.00
60 XH 200	3	GG	60	424.47	421.67		150	65	100	28		33.50
70 XH 200	4	GG	70	495.21	492.42		190	65	100	28		36.00
72 XH 200	4	GG	72	509.36	506.57		190	65	100	28		39.40
78 XH 200	4	GG	78	551.81	549.01		190	65	100	28		48.00
80 XH 200	4	GG	80	565.96	563.16		190	65	100	28		51.00
82 XH 200	4	GG	82	580.10	577.31		190	65	100	28		54.00
84 XH 200	4	GG	84	594.25	591.46		190	65	100	28		57.00
94 XH 200	4	GG	94	665.00	662.20		190	65	100	28		64.00
96 XH 200	4	GG	96	679.15	676.35		190	65	100	28		67.00
118 XH 200	4	GG	118	834.78	831.99		190	65	100	28		88.00
120 XH 200	4	GG	120	848.93	846.14		190	65	100	28		90.00

Timing belt pulleys for stock bore

XH300

Timing belt pulleys for stock bore(P.1~P.13)



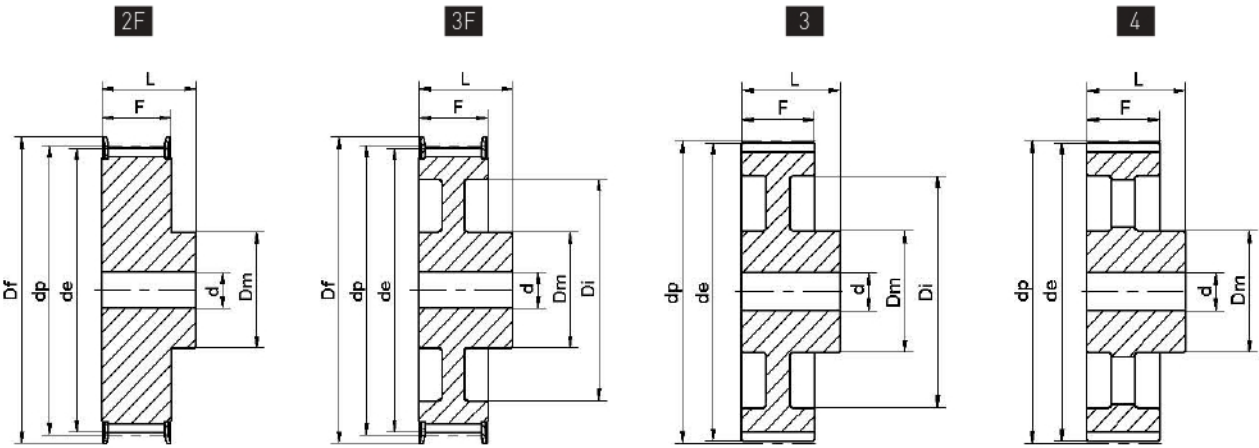
XH-7/8" Pitch
XH 300 For Belts 3" Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	F	L	d	FLANG	Weight (kg)
18 XH 300	2F	St	18	127.34	124.55	138	100	92	110	28	401	8.90
19 XH 300	2F	St	19	134.41	131.62	146	100	92	110	28	402	9.20
20 XH 300	2F	St	20	141.49	138.69	154	100	92	110	28	403	10.61
21 XH 300	2F	St	21	148.56	145.77	160	110	92	110	28	404	12.40
22 XH 300	2F	St	22	155.64	152.84	168	110	92	110	28	405	13.08
24 XH 300	2F	St	24	169.79	166.99	183	120	92	110	28	406	15.77
25 XH 300	2F	St	25	176.86	174.07	188	120	92	110	28	407	17.13
26 XH 300	2F	St	26	183.93	181.14	198	120	92	110	28	409	18.55
27 XH 300	2F	St	27	191.01	188.22	200	120	92	110	28	410	19.90
28 XH 300	2F	St	28	198.09	195.29	211	150	92	110	28	411	22.27
30 XH 300	2F	St	30	212.23	209.44	226	150	92	110	28	412	25.39
32 XH 300	2F	St	32	226.38	223.59	240	150	92	110	28	414	28.73
34 XH 300	2F	St	34	240.53	237.74	256	150	92	110	28	415	34.20
38 XH 300	3F	GG	38	268.83	266.04		175	92	120	32		32.00
40 XH 300	3F	GG	40	282.98	280.18		175	92	120	32		37.50
46 XH 300	3	GG	46	325.42	322.63		175	92	120	32		32.50
48 XH 300	3	GG	48	339.57	336.78		175	92	120	32		34.00
50 XH 300	3	GG	50	353.72	350.93		175	92	120	32		37.00
60 XH 300	4	GG	60	424.47	421.67		175	92	120	32		43.20
70 XH 300	4	GG	70	495.21	492.42		175	92	120	32		53.00
72 XH 300	4	GG	72	509.36	506.57		175	92	120	32		55.00
78 XH 300	4	GG	78	551.81	549.01		175	92	120	32		62.00
80 XH 300	4	GG	80	565.96	563.16		175	92	120	32		64.00
82 XH 300	4	GG	82	580.10	577.31		175	92	120	32		66.00
84 XH 300	4	GG	84	594.25	591.46		175	92	120	32		69.00
94 XH 300	4	GG	94	665.00	662.20		175	92	120	32		81.00
96 XH 300	4	GG	96	679.15	676.35		175	92	120	32		85.00
118 XH 300	4	GG	118	834.78	831.99		175	92	120	32		116.00
120 XH 300	4	GG	120	848.93	846.14		175	92	120	32		121.00

XH400

Timing belt pulleys for stock bore(P.1-P.13)

Timing belt pulleys
 • XH300
 • XH400



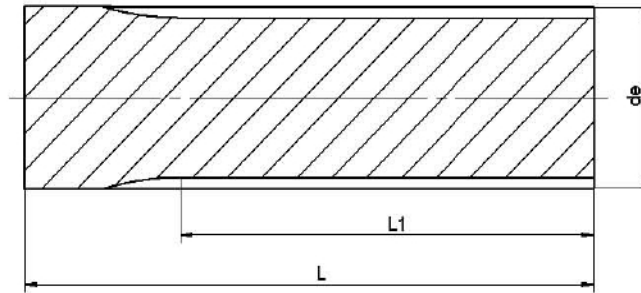
XH-7/8" Pitch
 XH 400 For Belts 4" Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	F	L	d	FLANG	Weight (kg)
18 XH 400	2F	St	18	127.34	124.55	138	100	119	132	32	401	8.72
19 XH 400	2F	St	19	134.41	131.62	146	100	119	132	32	402	10.80
20 XH 400	2F	St	20	141.49	138.69	154	100	119	132	32	403	12.87
21 XH 400	2F	St	21	148.56	145.77	160	110	119	132	32	404	14.42
22 XH 400	2F	St	22	155.64	152.84	168	110	119	132	32	405	15.44
24 XH 400	2F	St	24	169.79	166.99	183	120	119	132	32	406	19.22
25 XH 400	2F	St	25	176.86	174.07	188	120	119	132	32	407	21.05
26 XH 400	2F	St	26	183.93	181.14	198	120	119	132	32	409	22.80
27 XH 400	2F	St	27	191.01	188.22	200	120	119	132	32	410	24.00
28 XH 400	2F	St	28	198.09	195.29	211	150	119	132	32	411	24.80
30 XH 400	2F	St	30	212.23	209.44	226	150	119	132	32	412	25.06
32 XH 400	2F	St	32	226.38	223.59	240	150	119	132	32	414	35.20
34 XH 400	2F	St	34	240.53	237.74	256	150	119	132	32	415	38.50
38 XH 400	3F	GG	38	268.83	266.04		150	119	132	32		40.00
40 XH 400	3F	GG	40	282.98	280.18		150	119	132	32		42.00
46 XH 400	3	GG	46	325.42	322.63		175	119	132	32		38.00
48 XH 400	3	GG	48	339.57	336.78		175	119	132	32		41.00
50 XH 400	3	GG	50	353.72	350.93		175	119	132	32		46.00
60 XH 400	4	GG	60	424.47	421.67		175	119	132	32		55.00
70 XH 400	4	GG	70	495.21	492.42		175	119	132	32		66.00
72 XH 400	4	GG	72	509.36	506.57		175	119	132	32		68.00
78 XH 400	4	GG	78	551.81	549.01		175	119	132	32		71.00
80 XH 400	4	GG	80	565.96	563.16		175	119	132	32		73.00
82 XH 400	4	GG	82	580.10	577.31		175	119	132	32		74.50
84 XH 400	4	GG	84	594.25	591.46		175	119	132	32		78.00
94 XH 400	4	GG	94	665.00	662.20		175	119	132	32		86.00
96 XH 400	4	GG	96	679.15	676.35		175	119	132	32		98.00
118 XH 400	4	GG	118	834.78	831.99		175	119	132	32		142.00
120 XH 400	4	GG	120	848.93	846.14		175	119	132	32		156.00

Timing belt pulleys for stock bore

Timing bars (P.14~P.15)

Timing bars



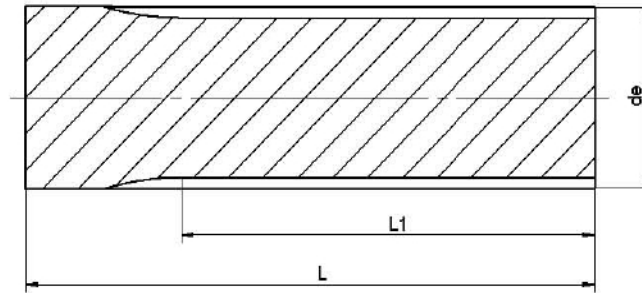
MXL-0.08" Pitch MATEL:Al

Product Model	Z	de	L1	L	Weight (kg)
MXL 12	12	7.25	50	75	0.01
MXL 14	14	8.55	50	75	0.01
MXL 15	15	9.19	50	75	0.01
MXL 16	16	9.84	50	75	0.02
MXL 18	18	11.13	50	75	0.02
MXL 20	20	12.43	90	120	0.04
MXL 22	22	13.72	125	140	0.05
MXL 24	24	15.02	125	140	0.06
MXL 25	25	15.66	125	140	0.07
MXL 26	26	16.31	125	140	0.08
MXL 28	28	17.6	125	140	0.09
MXL 30	30	18.9	125	140	0.1
MXL 32	32	20.19	125	140	0.12
MXL 34	34	21.48	125	140	0.13
MXL 36	36	22.78	140	140	0.15
MXL 38	38	24.07	140	140	0.17
MXL 40	40	25.36	140	140	0.19
MXL 42	42	26.66	140	140	0.2
MXL 44	44	27.95	140	140	0.23
MXL 45	45	28.6	140	140	0.24
MXL 48	48	30.54	140	140	0.27
MXL 50	50	31.83	140	140	0.3
MXL 60	60	38.3	160	160	0.49
MXL 70	70	44.77	160	160	0.67
MXL 72	72	46.06	160	160	0.72

XL-1/5" Pitch MATEL:Al

Product Model	Z	de	L1	L	Weight (kg)
XL 10	10	15.66	140	140	0.07
XL 11	11	17.28	140	140	0.08
XL 12	12	18.9	140	140	0.10
XL 13	13	20.51	140	140	0.11
XL 14	14	22.13	140	140	0.13
XL 15	15	23.75	140	140	0.15
XL 16	16	25.36	140	140	0.16
XL 17	17	26.98	140	140	0.20
XL 18	18	28.6	140	140	0.22
XL 19	19	30.22	140	140	0.25
XL 20	20	31.83	140	140	0.28
XL 21	21	33.45	160	160	0.35
XL 22	22	35.07	160	160	0.37
XL 23	23	36.6	160	160	0.39
XL 24	24	38.3	160	160	0.47
XL 25	25	39.92	160	160	0.47
XL 26	26	41.53	160	160	0.55
XL 27	27	43.15	160	160	0.60
XL 28	28	44.77	160	160	0.64
XL 29	29	46.39	160	160	0.69
XL 30	30	48	160	160	0.75
XL 32	32	51.24	160	160	0.86
XL 33	33	52.85	160	160	0.92
XL 34	34	54.47	160	160	0.97
XL 35	35	56.09	160	160	0.98
XL 36	36	57.7	160	160	1.04
XL 38	38	60.94	160	160	1.22
XL 39	39	62.56	160	160	1.30
XL 40	40	64.17	160	160	1.35
XL 41	41	65.79	160	160	1.43
XL 42	42	67.41	160	160	1.49
XL 43	43	69.02	160	160	1.58
XL 44	44	70.64	160	160	1.65
XL 48	48	77.11	160	160	1.94
XL 56	56	90.04	160	160	2.69
XL 60	60	96.51	160	160	3.10
XL 72	72	115.92	160	160	4.52

Timing bars (P.14~P.15)



MXL-0.08" Pitch MATEL:Al

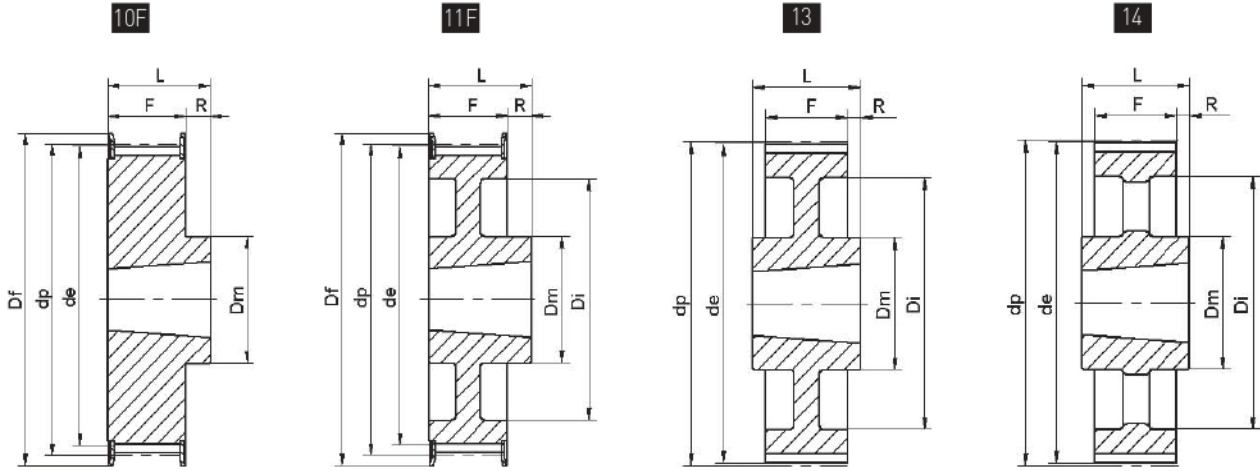
Product Model	Z	de	L1	L	Weight (kg)
MXL 12	12	7.25	50	75	0.01
MXL 14	14	8.55	50	75	0.01
MXL 15	15	9.19	50	75	0.01
MXL 16	16	9.84	50	75	0.02
MXL 18	18	11.13	50	75	0.02
MXL 20	20	12.43	90	120	0.04
MXL 22	22	13.72	125	140	0.05
MXL 24	24	15.02	125	140	0.06
MXL 25	25	15.66	125	140	0.07
MXL 26	26	16.31	125	140	0.08
MXL 28	28	17.6	125	140	0.09
MXL 30	30	18.9	125	140	0.1
MXL 32	32	20.19	125	140	0.12
MXL 34	34	21.48	125	140	0.13
MXL 36	36	22.78	140	140	0.15
MXL 38	38	24.07	140	140	0.17
MXL 40	40	25.36	140	140	0.19
MXL 42	42	26.66	140	140	0.2
MXL 44	44	27.95	140	140	0.23
MXL 45	45	28.6	140	140	0.24
MXL 48	48	30.54	140	140	0.27
MXL 50	50	31.83	140	140	0.3
MXL 60	60	38.3	160	160	0.49
MXL 70	70	44.77	160	160	0.67
MXL 72	72	46.06	160	160	0.72

XL-1/5" Pitch MATEL:Al

Product Model	Z	de	L1	L	Weight (kg)
XL 10	10	15.66	140	140	0.07
XL 11	11	17.28	140	140	0.08
XL 12	12	18.9	140	140	0.10
XL 13	13	20.51	140	140	0.11
XL 14	14	22.13	140	140	0.13
XL 15	15	23.75	140	140	0.15
XL 16	16	25.36	140	140	0.16
XL 17	17	26.98	140	140	0.20
XL 18	18	28.6	140	140	0.22
XL 19	19	30.22	140	140	0.25
XL 20	20	31.83	140	140	0.28
XL 21	21	33.45	160	160	0.35
XL 22	22	35.07	160	160	0.37
XL 23	23	36.6	160	160	0.39
XL 24	24	38.3	160	160	0.47
XL 25	25	39.92	160	160	0.47
XL 26	26	41.53	160	160	0.55
XL 27	27	43.15	160	160	0.60
XL 28	28	44.77	160	160	0.64
XL 29	29	46.39	160	160	0.69
XL 30	30	48	160	160	0.75
XL 32	32	51.24	160	160	0.86
XL 33	33	52.85	160	160	0.92
XL 34	34	54.47	160	160	0.97
XL 35	35	56.09	160	160	0.98
XL 36	36	57.7	160	160	1.04
XL 38	38	60.94	160	160	1.22
XL 39	39	62.56	160	160	1.30
XL 40	40	64.17	160	160	1.35
XL 41	41	65.79	160	160	1.43
XL 42	42	67.41	160	160	1.49
XL 43	43	69.02	160	160	1.58
XL 44	44	70.64	160	160	1.65
XL 48	48	77.11	160	160	1.94
XL 56	56	90.04	160	160	2.69
XL 60	60	96.51	160	160	3.10
XL 72	72	115.92	160	160	4.52

L050

Timing belt pulleys for taper bushes(P.16~P.26)



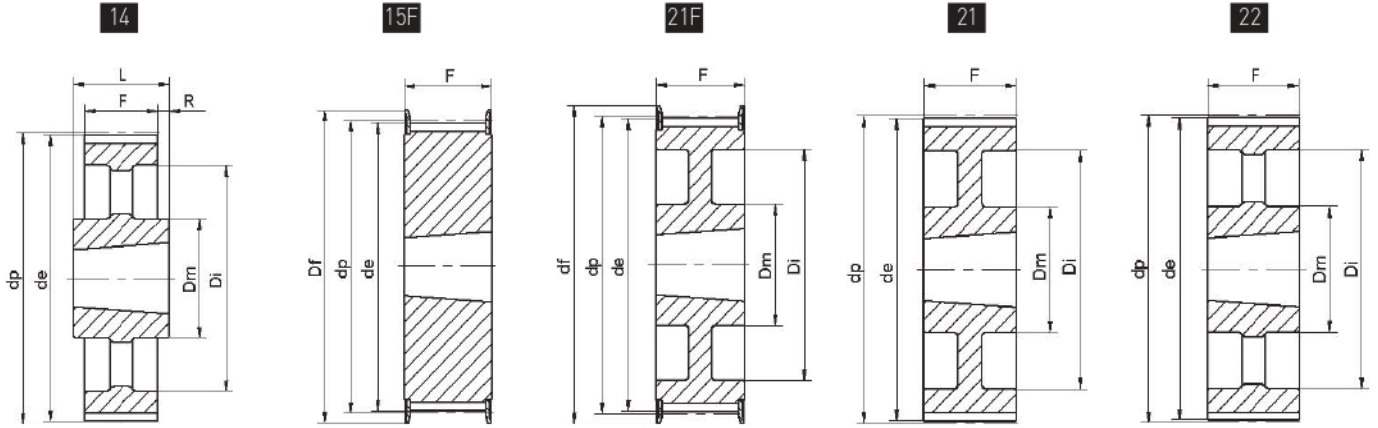
L-3/8" Pitch
L 050 For Belts 1/2" Wide
Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 18 L 050	10F	St	18	1108	28	54.57	53.81	60	44		19	22	3	308	0.16
TL 19 L 050	10F	St	19	1108	28	57.61	56.84	63	44		19	22	3	309	0.21
TL 20 L 050	10F	St	20	1108	28	60.64	59.88	66	48		19	22	3	310	0.25
TL 21 L 050	10F	St	21	1108	28	63.67	62.91	71	48		19	22	3	311	0.30
TL 22 L 050	10F	St	22	1108	28	66.70	65.94	75	51		19	22	3	312	0.35
TL 23 L 050	10F	St	23	1108	28	69.73	68.97	79	54		19	22	3	313	0.42
TL 24 L 050	10F	St	24	1108	28	72.77	72.00	79	54		19	22	3	313	0.45
TL 25 L 050	10F	St	25	1108	28	75.80	75.04	83	56		19	22	3	314	0.50
TL 26 L 050	10F	St	26	1108	28	78.83	78.07	87	60		19	22	3	315	0.57
TL 27 L 050	10F	St	27	1108	28	81.86	81.10	87	62		19	22	3	315	0.61
TL 28 L 050	10F	St	28	1108	28	84.89	84.13	91	65		19	22	3	316	0.69
TL 30 L 050	10F	St	30	1108	28	90.96	90.20	97	70		19	22	3	318	0.91
TL 32 L 050	10F	St	32	1108	28	97.02	96.26	103	74		19	22	3	320	0.97
TL 36 L 050	10F	St	36	1108	28	109.15	108.39	115	85		19	22	3	323	1.20
TL 40 L 050	10F	St	40	1610	42	121.28	120.51	127	97		19	25	6	327	1.40
TL 44 L 050	11F	St	44	1610	42	133.40	132.64	140	88	110	19	25	6	330	1.57
TL 48 L 050	11F	St	48	1610	42	145.53	144.77	152	88	120	19	25	6	334	2.30
TL 60 L 050	13	St	60	1610	42	181.91	181.15		92	166	19	25	3		2.60
TL 72 L 050	14	GG	72	1610	42	218.30	217.53		92	202	19	25	3		2.29
TL 84 L 050	14	GG	84	1610	42	254.68	253.90		92	236	19	25	3		2.78
TL 96 L 050	14	GG	96	2012	50	291.06	290.30		106	270	19	32	6.5		3.50
TL 120 L 050	14	GG	120	2012	50	363.83	363.07		106	343	19	32	6.5		5.11

L075

Timing belt pulleys for taper bushes(P.16~P.26)

Timing belt pulleys
 • L050
 • L075

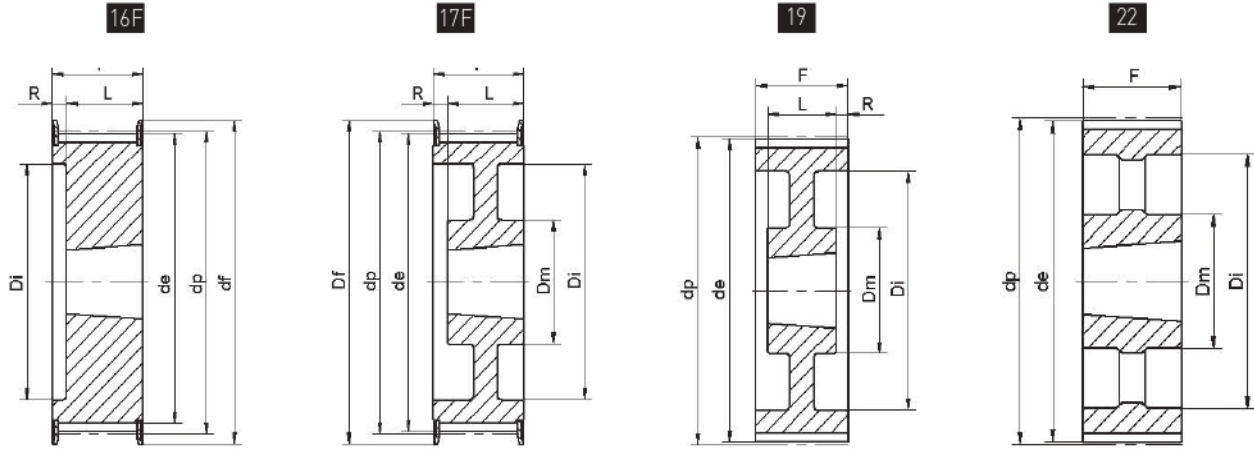


L-3/8" Pitch
L 075 For Belts 3/4" Wide
Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 18 L 075	15F	St	18	1108	28	54.57	53.81	60			25	25		308	0.21
TL 19 L 075	15F	St	19	1108	28	57.61	56.84	63			25	25		309	0.25
TL 20 L 075	15F	St	20	1108	28	60.64	59.88	66			25	25		310	0.31
TL 21 L 075	15F	St	21	1108	28	63.67	62.91	71			25	25		311	0.37
TL 22 L 075	15F	St	22	1108	28	66.70	65.94	75			25	25		312	0.43
TL 23 L 075	15F	St	23	1108	28	69.73	68.97	79			25	25		313	0.48
TL 24 L 075	15F	St	24	1108	28	72.77	72.00	79			25	25		313	0.55
TL 25 L 075	15F	St	25	1108	28	75.80	75.04	83			25	25		314	0.63
TL 26 L 075	15F	St	26	1108	28	78.83	78.07	87			25	25		315	0.70
TL 27 L 075	15F	St	27	1108	28	81.86	81.10	87			25	25		315	0.74
TL 28 L 075	15F	St	28	1108	28	84.89	84.13	91			25	25		316	0.83
TL 30 L 075	15F	St	30	1108	28	90.96	90.20	97			25	25		318	0.98
TL 32 L 075	15F	St	32	1108	28	97.02	96.26	103			25	25		320	1.17
TL 36 L 075	15F	St	36	1610	42	109.15	108.39	115			25	25		323	1.25
TL 40 L 075	15F	St	40	1610	42	121.28	120.51	127			25	25		327	1.67
TL 44 L 075	21F	St	44	1610	42	133.40	132.64	140	90	110	25	25		330	1.84
TL 48 L 075	21F	St	48	1610	42	145.53	144.77	152	92	120	25	25		334	2.26
TL 57 L 075	21	St	57	1610	42	172.82	172.06		92	157	25	25			2.80
TL 60 L 075	21	St	60	1610	42	181.91	181.15		92	166	25	25			3.05
TL 72 L 075	22	GG	72	1610	42	218.30	217.53		92	202	25	25			2.64
TL 84 L 075	14	GG	84	2012	50	254.68	253.90		106	236	25	32	3.5		3.20
TL 96 L 075	14	GG	96	2012	50	291.06	290.30		106	270	25	32	3.5		4.20
TL 120 L 075	14	GG	120	2012	50	363.83	363.07		106	343	25	32	3.5		5.61

L100

Timing belt pulleys for taper bushes(P.16~P.26)



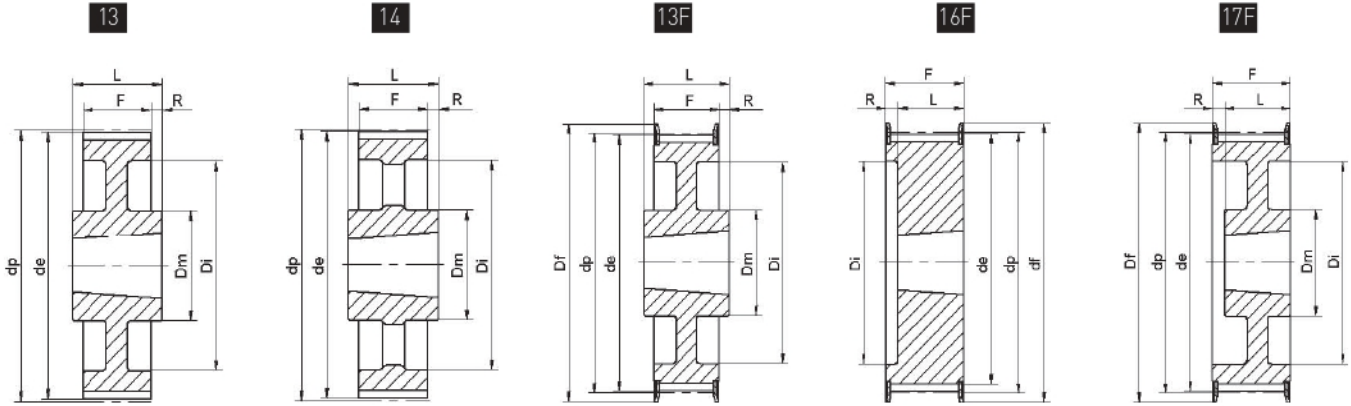
L-3/8" Pitch
 L 100 For Belts 1" Wide
 Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 18 L 100	16F	St	18	1108	28	54.57	53.81	60		38	31	22	9	308	0.20
TL 19 L 100	16F	St	19	1108	28	57.61	56.84	63		38	31	22	9	309	0.23
TL 20 L 100	16F	St	20	1108	28	60.64	59.88	66		45	31	22	9	310	0.35
TL 21 L 100	16F	St	21	1108	28	63.67	62.91	71		45	31	22	9	311	0.45
TL 22 L 100	16F	St	22	1108	28	66.70	65.94	75		48	31	22	9	312	0.48
TL 23 L 100	16F	St	23	1108	28	69.73	68.97	79		52	32	22	10	313	0.54
TL 24 L 100	16F	St	24	1108	28	72.77	72.00	79		52	32	22	10	313	0.62
TL 25 L 100	16F	St	25	1108	28	75.80	75.04	83		54	32	22	10	314	0.71
TL 26 L 100	16F	St	26	1108	28	78.83	78.07	87		60	32	22	10	315	0.75
TL 27 L 100	16F	St	27	1108	28	81.86	81.10	87		60	32	22	10	315	0.83
TL 28 L 100	16F	St	28	1108	28	84.89	84.13	91		65	32	22	10	316	0.91
TL 30 L 100	16F	St	30	1210	32	90.96	90.20	97		71	32	25	7	318	1.00
TL 32 L 100	16F	St	32	1210	32	97.02	96.26	103		75	32	25	7	320	1.16
TL 36 L 100	16F	St	36	1610	42	109.15	108.39	115		86	32	25	7	323	1.79
TL 39 L 100	16F	St	39	1610	42	118.24	117.48	123		93	32	25	7	326	1.83
TL 40 L 100	16F	St	40	1610	42	121.28	120.51	127		96	32	25	7	327	1.89
TL 44 L 100	17F	St	44	1610	42	133.40	132.64	140	90	110	32	25	7	330	2.04
TL 47 L 100	17F	St	47	1610	42	142.50	141.74	148	92	117	32	25	7	333	2.20
TL 48 L 100	17F	St	48	1610	42	145.53	144.77	152	92	120	32	25	7	334	2.45
TL 60 L 100	19	St	60	1610	42	181.91	181.15		92	166	32	25	3.5		3.12
TL 72 L 100	22	GG	72	2012	50	218.30	217.53		106	202	32	32			3.42
TL 84 L 100	22	GG	84	2012	50	254.68	253.90		106	236	32	32			4.08
TL 96 L 100	22	GG	96	2012	50	291.06	290.30		106	270	32	32			5.10
TL 120 L 100	22	GG	120	2012	50	363.83	363.07		106	343	32	32			6.78

H075

Timing belt pulleys for taper bushes(P.16-P.26)

Timing belt pulleys
 • L100
 • H075

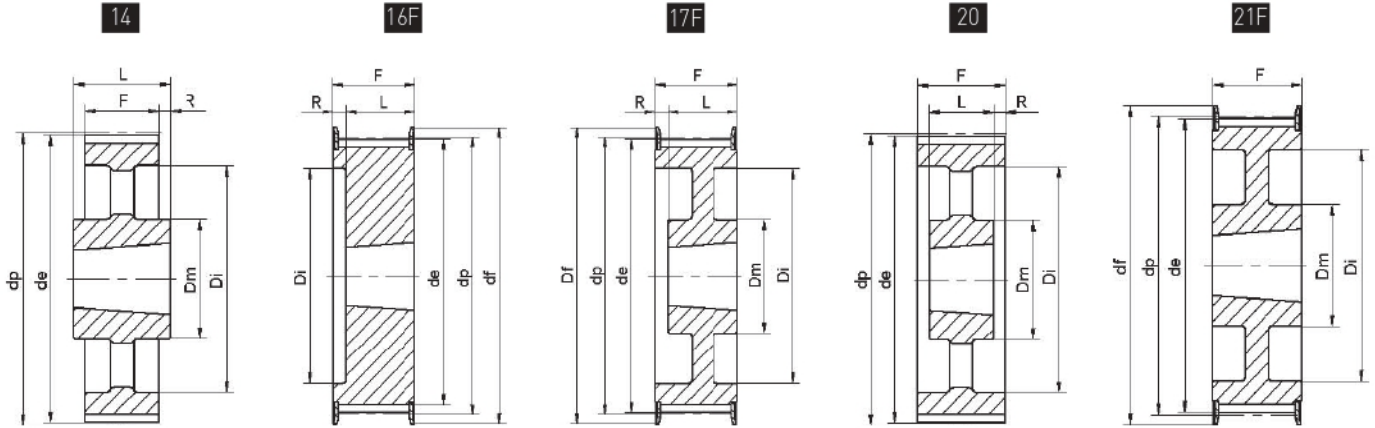


H-1/2" Pitch
H 075 For Belts 3/4" Wide
Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 14 H 075	16F	St	14	1108	28	56.60	55.22	63		40	26.4	22	4.4	309	0.48
TL 15 H 075	16F	St	15	1108	28	60.64	59.27	66		42	26.4	22	4.4	310	0.53
TL 16 H 075	16F	St	16	1108	28	64.67	63.31	71		45	26.4	22	4.4	311	0.57
TL 17 H 075	16F	St	17	1108	28	68.72	67.35	75		48	26.4	22	4.4	312	0.67
TL 18 H 075	16F	St	18	1210	32	72.77	71.39	79		52	26.4	25	1.4	313	0.76
TL 19 H 075	16F	St	19	1210	32	76.81	75.44	83		56	26.4	25	1.4	314	0.95
TL 20 H 075	16F	St	20	1210	32	80.85	79.48	87		60	26.4	25	1.4	315	1.05
TL 21 H 075	16F	St	21	1210	32	84.89	83.52	91		64	26.4	25	1.4	316	1.14
TL 22 H 075	16F	St	22	1210	32	88.94	87.56	93		67	26.4	25	1.4	317	1.33
TL 23 H 075	16F	St	23	1210	32	92.98	91.61	97		70	26.4	25	1.4	318	1.43
TL 24 H 075	16F	St	24	1610	42	97.02	95.65	103		73.5	26.4	25	1.4	320	1.52
TL 25 H 075	16F	St	25	1610	42	101.06	99.69	106		77	26.4	25	1.4	321	1.62
TL 26 H 075	16F	St	26	1610	42	105.11	103.73	111		82	26.4	25	1.4	322	1.71
TL 27 H 075	16F	St	27	1610	42	109.15	107.78	115		85	26.4	25	1.4	323	1.81
TL 28 H 075	16F	St	28	1610	42	113.19	111.82	119		90.5	26.4	25	1.4	325	1.90
TL 29 H 075	16F	St	29	1610	42	117.23	115.86	123		95	26.4	25	1.4	326	1.95
TL 30 H 075	16F	St	30	1610	42	121.28	119.90	127		98	26.4	25	1.4	327	2.00
TL 31 H 075	17F	St	32	1610	42	129.36	123.95	135	92	102	26.4	25	1.4	328	2.09
TL 33 H 075	17F	St	33	1610	42	133.40	132.03	140	92	110	26.4	25	1.4	330	2.14
TL 34 H 075	17F	St	34	1610	42	137.45	136.07	143	90	114	26.4	25	1.4	331	2.19
TL 35 H 075	17F	St	35	1610	42	141.49	140.12	148	92	118	26.4	25	1.4	333	2.24
TL 36 H 075	17F	St	36	1610	42	145.53	144.16	152	92	121	26.4	25	1.4	334	2.28
TL 38 H 075	17F	St	38	1610	42	153.62	152.24	158	92	130	26.4	25	1.4	335	2.47
TL 40 H 075	17F	St	40	1610	42	161.70	160.33	168	92	138	26.4	25	1.4	338	2.66
TL 44 H 075	13F	St	44	2012	50	177.87	176.50	184	106	152	26.4	32	2.8	339	2.57
TL 48 H 075	13F	St	48	2012	50	194.04	192.67	200	106	169	26.4	32	2.8	342	3.25
TL 60 H 075	13	GG	60	2012	50	242.55	241.18		106	223	26.4	32	2.8		3.50
TL 72 H 075	14	GG	72	2012	50	291.06	289.69		106	270	26.4	32	2.8		4.50
TL 84 H 075	14	GG	84	2012	50	339.57	338.20		106	318	26.4	32	2.8		5.50
TL 96 H 075	14	GG	96	2517	60	388.08	386.71		124	366	26.4	45	9.3		6.90
TL 120 H 075	14	GG	120	2517	60	485.10	483.73		119	462	26.4	45	9.3		9.20

H100

Timing belt pulleys for taper bushes(P.16-P.26)



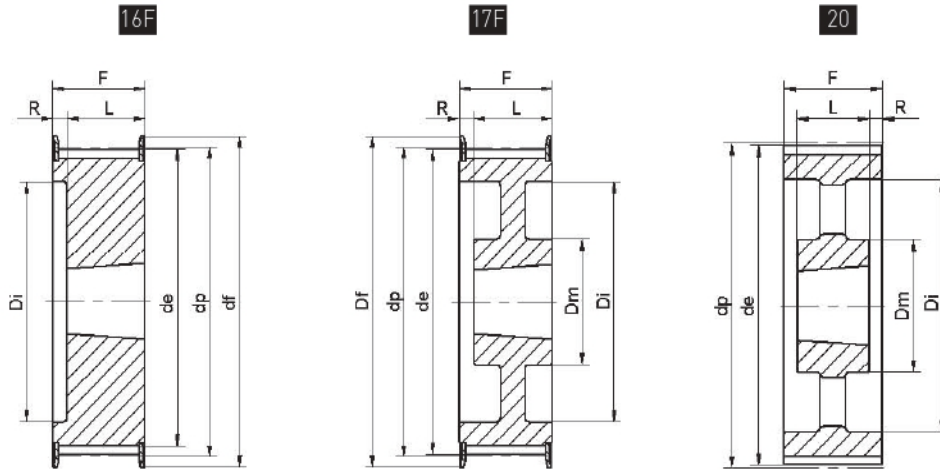
H-1/2" Pitch
 H 100 For Belts 1" Wide
 Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 14 H 100	16F	St	14	1108	28	56.60	55.22	63		40	31	22	9	309	0.25
TL 15 H 100	16F	St	15	1108	28	60.44	59.27	66		44	31	22	9	310	0.33
TL 16 H 100	16F	St	16	1108	28	64.68	63.31	71		45	31	22	9	311	0.42
TL 17 H 100	16F	St	17	1108	28	68.72	67.35	75		49	31	22	9	312	0.45
TL 18 H 100	16F	St	18	1210	32	72.77	71.39	79		52	31	25	6	313	0.49
TL 19 H 100	16F	St	19	1210	32	76.81	75.44	83		56	31	25	6	314	0.58
TL 20 H 100	16F	St	20	1210	32	80.85	79.48	87		60	31	25	6	315	0.69
TL 21 H 100	16F	St	21	1210	32	84.89	83.52	91		64	32	25	7	316	0.80
TL 22 H 100	16F	St	22	1210	32	88.94	87.56	93		67	32	25	7	317	0.94
TL 23 H 100	16F	St	23	1610	42	92.98	91.61	97		70	32	25	7	318	0.97
TL 24 H 100	16F	St	24	1610	42	97.02	95.65	103		73.5	32	25	7	320	1.05
TL 25 H 100	16F	St	25	1610	42	101.06	99.69	106		77	32	25	7	321	1.13
TL 26 H 100	16F	St	26	1610	42	105.11	103.73	111		82	32	25	7	322	1.27
TL 27 H 100	16F	St	27	1610	42	109.15	107.78	115		85	32	25	7	323	1.35
TL 28 H 100	16F	St	28	1610	42	113.19	111.82	119		90.5	32	25	7	325	1.54
TL 30 H 100	16F	St	30	1610	42	121.28	119.90	127		98	32	25	7	327	1.85
TL 32 H 100	17F	St	32	1610	42	129.36	127.99	135	90	106	32	25	7	328	2.05
TL 34 H 100	17F	St	34	1610	42	137.45	136.07	143	92	114	32	25	7	331	2.15
TL 36 H 100	17F	St	36	1610	42	145.53	144.16	152	92	121	32	25	7	334	2.39
TL 38 H 100	17F	St	38	1610	42	153.62	152.24	158	92	129	32	25	7	335	2.50
TL 40 H 100	17F	St	40	1610	42	161.70	160.33	168	92	138	32	25	7	338	2.78
TL 44 H 100	21F	St	44	2012	50	177.87	176.50	184	106	152	32	32		339	3.68
TL 46 H 100	21F	St	46	2012	50	185.96	184.59	192	106	161	32	32		340	4.00
TL 48 H 100	21F	St	48	2012	50	194.04	192.67	200	106	169	32	32		342	4.41
TL 60 H 100	20	GG	60	2012	50	242.55	241.18		106	223	34	32	1		4.32
TL 72 H 100	20	GG	72	2012	50	291.06	289.69		106	270	34	32	1		5.47
TL 84 H 100	20	GG	84	2012	50	339.57	338.20		106	318	34	32	1		6.45
TL 96 H 100	14	GG	96	2517	60	388.08	386.71		119	366	34	45	5.5		8.30
TL 120 H 100	14	GG	120	2517	60	485.10	483.73		119	462	34	45	5.5		10.99

H150

Timing belt pulleys for taper bushes(P.16~P.26)

Timing belt pulleys
 ● H100
 ● H150

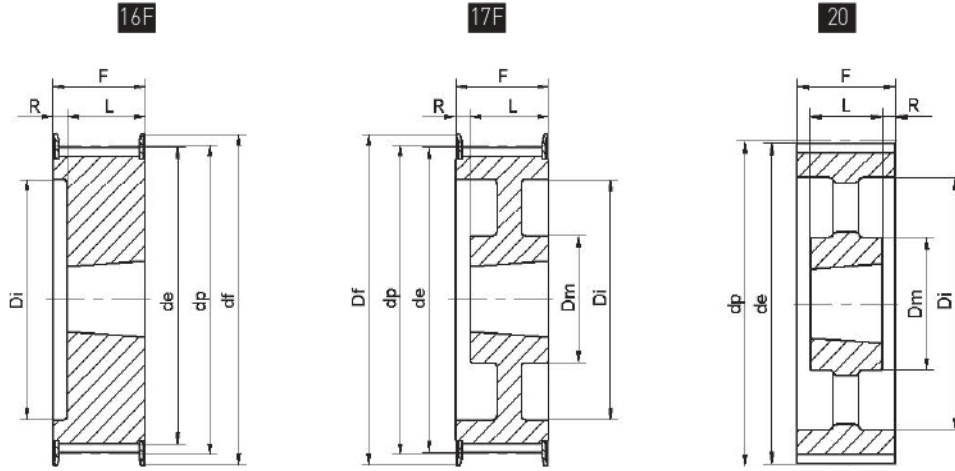


H-1/2" Pitch
 H 150 For Belts 1 1/2" Wide
 Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 15 H 150	16F	St	15	1108	28	60.64	59.27	66		44	45	22	23	310	0.51
TL 16 H 150	16F	St	16	1108	28	64.68	63.31	71		46	45	22	23	311	0.59
TL 18 H 150	16F	St	18	1210	32	72.77	71.39	79		52	45	25	20	313	0.65
TL 19 H 150	16F	St	19	1210	32	76.81	75.44	83		56	45	25	20	314	0.72
TL 20 H 150	16F	St	20	1210	32	80.85	79.48	87		60	45	25	20	315	0.88
TL 21 H 150	16F	St	21	1210	32	84.89	83.52	91		64	45	25	20	316	1.11
TL 22 H 150	16F	St	22	1210	32	88.94	87.56	93		67	45	25	20	317	1.13
TL 23 H 150	16F	St	23	1610	42	92.98	91.61	97		70	45	25	20	318	1.27
TL 24 H 150	16F	St	24	1610	42	97.02	95.65	103		73.5	45	25	20	320	1.32
TL 25 H 150	16F	St	25	1610	42	101.06	99.69	106		77	45	25	20	321	1.41
TL 26 H 150	16F	St	26	1610	42	105.11	103.73	111		82	45	25	20	322	1.55
TL 27 H 150	16F	St	27	1610	42	109.15	107.78	115		85	45	25	20	323	1.65
TL 28 H 150	16F	St	28	1610	42	113.19	111.82	119		90.5	45	25	20	325	1.88
TL 30 H 150	16F	St	30	1610	42	121.28	119.90	127		98	45	25	20	327	2.18
TL 32 H 150	17F	St	32	1610	42	129.36	127.99	135	90	106	45	25	20	328	2.30
TL 36 H 150	17F	St	36	1610	42	145.53	144.16	152	92	121	45	25	20	334	2.77
TL 40 H 150	17F	St	40	1610	42	161.70	160.33	168	92	138	45	25	20	338	3.27
TL 44 H 150	17F	St	44	2012	50	177.87	176.50	184	106	152	45	32	13	339	4.17
TL 45 H 150	17F	St	45	2012	50	181.91	180.54	192	106	156	45	32	13	340	5.00
TL 48 H 150	17F	St	48	2012	50	194.04	192.67	200	106	169	45	32	13	342	7.45
TL 60 H 150	20	GG	60	2012	50	242.55	241.18		106	223	46	32	7		5.33
TL 72 H 150	20	GG	72	2012	50	291.06	289.69		106	270	46	32	7		6.30
TL 84 H 150	20	GG	84	2012	50	339.57	338.20		106	320	46	32	7		7.48
TL 96 H 150	20	GG	96	2517	60	388.08	386.71		119	366	46	45	0.5		9.60
TL 120 H 150	20	GG	120	2517	60	485.10	483.73		119	462	46	45	0.5		12.85

H200

Timing belt pulleys for taper bushes(P.16-P.26)



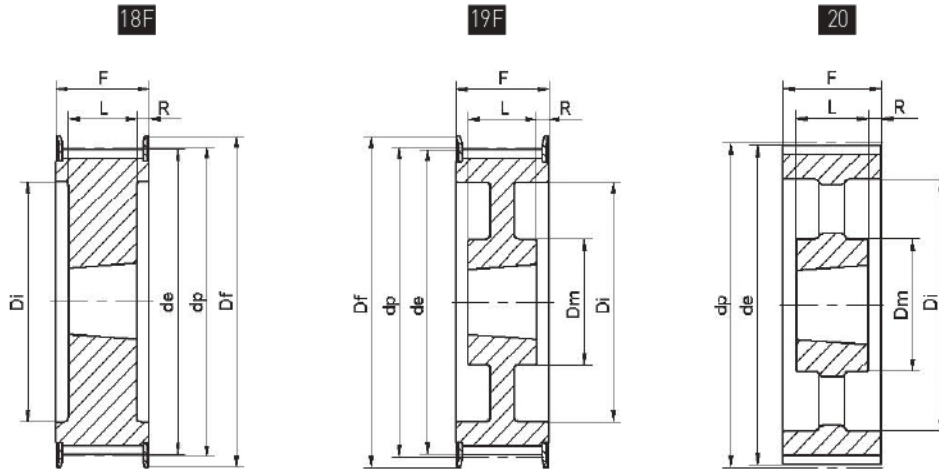
H-1/2" Pitch
 H 200 For Belts 2" Wide
 Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 16 H 200	16F	St	16	1108	28	64.68	63.31	71		45	58	22	36	311	0.70
TL 18 H 200	16F	St	18	1210	32	72.77	71.39	79		52	58	25	33	313	0.81
TL 19 H 200	16F	St	19	1210	32	76.81	75.44	83		56	58	25	33	314	0.86
TL 20 H 200	16F	St	20	1610	42	80.85	79.48	87		60	58	25	33	315	0.91
TL 21 H 200	16F	St	21	1610	42	84.89	83.52	91		64	58	25	33	316	1.05
TL 22 H 200	16F	St	22	1610	42	88.94	87.56	93		67	58	25	33	317	1.20
TL 23 H 200	16F	St	23	1610	42	92.98	91.61	97		70	58	25	33	318	1.40
TL 24 H 200	16F	St	24	1610	42	97.02	95.65	103		73.5	58	25	33	320	1.50
TL 25 H 200	16F	St	25	1610	42	101.06	99.69	106		77	58	25	33	321	1.70
TL 26 H 200	16F	St	26	1610	42	105.11	103.73	111		82	58	25	33	322	1.84
TL 27 H 200	16F	St	27	1610	42	109.15	107.78	115		85	58	25	33	323	2.06
TL 28 H 200	16F	St	28	1610	42	113.19	111.82	119		90.5	58	25	33	325	2.21
TL 30 H 200	16F	St	30	1610	42	121.28	119.9	127		98	58	25	33	327	2.50
TL 32 H 200	16F	St	32	2012	50	129.36	127.99	135		106	58	32	26	328	2.92
TL 36 H 200	17F	St	36	2012	50	145.53	144.16	152	102	121	58	32	26	334	3.62
TL 40 H 200	17F	St	40	2012	50	161.7	160.33	168	106	138	58	32	26	338	4.12
TL 44 H 200	17F	St	44	2012	50	177.87	176.5	184	106	152	58	32	26	339	4.81
TL 48 H 200	17F	St	48	2517	60	194.04	192.67	200	119	169	58	45	13	342	6.50
TL 51 H 200	20	GG	51	2517	60	206.17	204.8		119	185	60	45	7.5		6.15
TL 60 H 200	20	GG	60	2517	60	242.55	241.18		119	223	60	45	7.5		6.30
TL 72 H 200	20	GG	72	2517	60	291.06	289.69		119	270	60	45	7.5		7.64
TL 84 H 200	20	GG	84	2517	60	339.57	338.2		119	320	60	45	7.5		9.13
TL 96 H 200	20	GG	96	2517	60	388.08	386.71		119	366	60	45	7.5		11.50
TL 109 H 200	20	GG	109	2517	60	440.64	439.26		119	418	60	45	7.5		13.00
TL 120 H 200	20	GG	120	2517	60	485.1	483.73		119	462	60	45	7.5		14.70

H300

Timing belt pulleys for taper bushes(P.16~P.26)

Timing belt pulleys
 ● H200
 ● H300

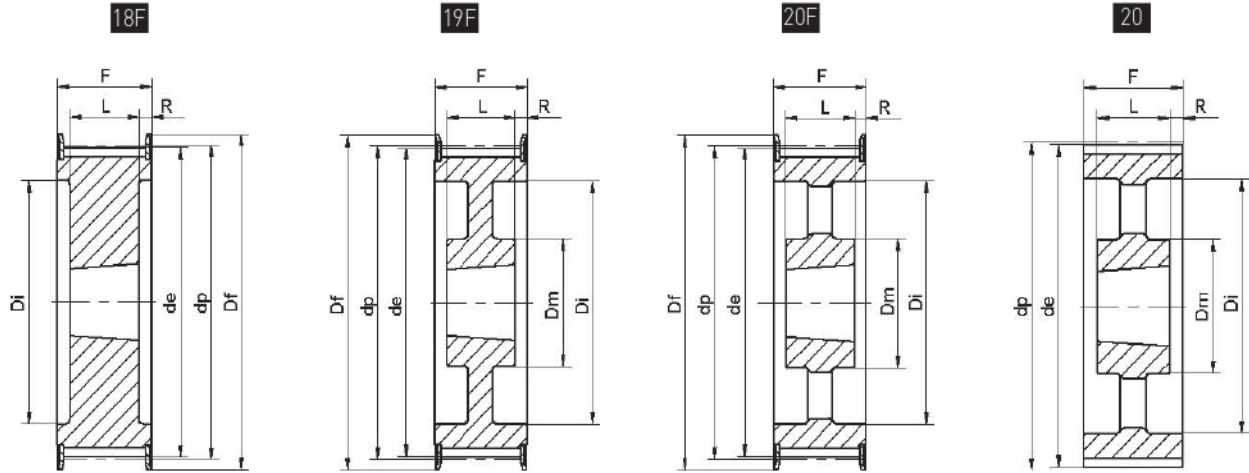


H-1/2" Pitch
 H 300 For Belts 3" Wide
 Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 18 H 300	18F	St	18	1215	32	72.77	71.39	79		52	84	38	23	313	1.00
TL 20 H 300	18F	St	20	1615	42	80.85	79.48	87		64.5	84	38	23	315	1.22
TL 21 H 300	18F	St	21	1615	42	84.89	83.52	91		65	84	38	23	316	1.52
TL 22 H 300	18F	St	22	1615	42	88.94	87.56	93		67	84	38	23	317	1.80
TL 23 H 300	18F	St	23	1615	42	92.98	91.61	97		70	84	38	23	318	2.04
TL 24 H 300	18F	St	24	1615	42	97.02	95.65	103		73.5	84	38	23	320	2.19
TL 25 H 300	18F	St	25	1615	42	101.06	99.69	106		77	84	38	23	321	2.54
TL 26 H 300	18F	St	26	1615	42	105.11	103.73	111		82	84	38	23	322	2.68
TL 27 H 300	18F	St	27	2012	50	109.15	107.78	115		85	84	32	26	323	2.39
TL 28 H 300	18F	St	28	2012	50	113.19	111.82	119		90.5	84	32	26	325	2.68
TL 29 H 300	18F	St	29	2012	50	117.23	115.86	123		94	84	32	26	326	2.80
TL 30 H 300	18F	St	30	2012	50	121.28	119.90	127		98	84	32	26	327	3.15
TL 32 H 300	18F	St	32	2517	60	129.36	127.99	135		106	84	45	19.5	328	3.58
TL 36 H 300	18F	St	36	2517	60	145.53	144.16	152		121	84	45	19.5	334	4.99
TL 40 H 300	18F	St	40	2517	60	161.70	160.33	168		138	84	45	19.5	338	6.50
TL 44 H 300	19F	St	44	2517	60	177.87	176.50	184	119	152	86	45	20.5	339	6.92
TL 48 H 300	19F	St	48	2517	60	194.04	192.67	200	119	169	86	45	20.5	342	7.85
TL 60 H 300	20	GG	60	2517	60	242.55	241.18		119	223	86	45	20.5		7.65
TL 72 H 300	20	GG	72	2517	60	291.06	289.69		119	270	86	45	20.5		9.75
TL 84 H 300	20	GG	84	2517	60	339.57	338.20		119	320	86	45	20.5		11.10
TL 96 H 300	20	GG	96	3030	75	388.08	386.71		150	362	86	76	5		18.70
TL 120 H 300	20	GG	120	3030	75	485.10	483.73		150	460	86	76	5		22.23

XH200

Timing belt pulleys for taper bushes(P.16-P.26)



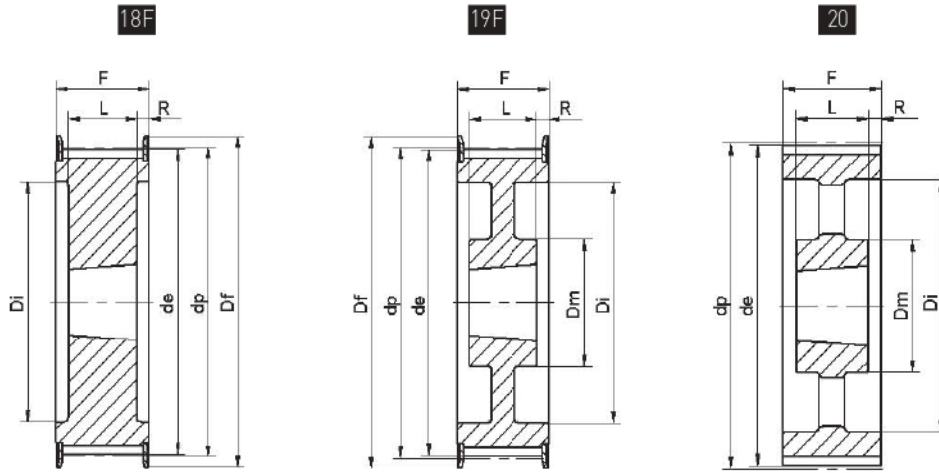
XH-7/8" Pitch
XH 200 For Belts 2" Wide
Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 18 XH 200	18F	St	18	2012	50	127.34	124.55	138		95	65	32	16.5	401	2.60
TL 19 XH 200	18F	St	19	2012	50	134.41	131.62	146		102	65	32	16.5	402	3.10
TL 20 XH 200	18F	St	20	2012	50	141.49	138.70	154		110	65	32	16.5	403	3.60
TL 21 XH 200	18F	St	21	2517	60	148.56	145.77	160		115	65	45	10	404	4.20
TL 22 XH 200	18F	St	22	2517	60	155.64	152.85	168		120	65	45	10	405	4.80
TL 24 XH 200	18F	St	24	2517	60	169.79	167.00	183		130	65	45	10	406	6.10
TL 25 XH 200	18F	St	25	2517	60	176.86	174.07	188		140	65	45	10	407	6.80
TL 26 XH 200	18F	St	26	2517	60	183.93	181.14	198		143	65	45	10	409	7.40
TL 27 XH 200	18F	St	27	2517	60	191.01	188.22	200		152	65	45	10	410	8.20
TL 28 XH 200	19F	St	28	2517	60	198.09	195.30	211	120	165	65	45	10	411	9.00
TL 30 XH 200	19F	St	30	2517	60	212.23	209.44	226	120	180	65	45	10	412	9.60
TL 32 XH 200	19F	St	32	2517	60	226.38	223.59	240	134	195	65	45	10	414	9.80
TL 36 XH 200	20F	GG	36	2517	60	254.64	251.85	267	134	210	65	45	10		11.60
TL 40 XH 200	20	GG	40	2517	60	282.98	280.19		134	245	65	45	10		13.30
TL 48 XH 200	20	GG	48	3020	75	339.57	336.78		165	300	65	51	7		19.00
TL 60 XH 200	20	GG	60	3020	75	424.47	421.68		165	385	65	51	7		22.00

XH300

Timing belt pulleys for taper bushes(P.16-P.26)

Timing belt pulleys
 • XH200
 • XH300

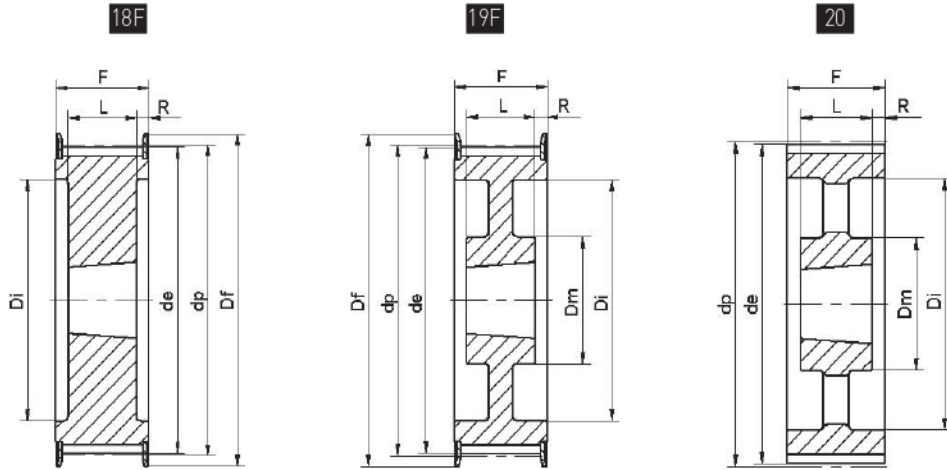


XH-7/8" Pitch
XH 300 For Belts 3" Wide
Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 18 XH 300	18F	St	18	2517	60	127.34	124.55	138		97	92	45	23.5	401	3.70
TL 19 XH 300	18F	St	19	2517	60	134.41	131.62	146		102	92	45	23.5	402	4.20
TL 20 XH 300	18F	St	20	2517	60	141.49	138.70	154		110	92	45	23.5	403	4.70
TL 21 XH 300	18F	St	21	2517	60	148.56	145.77	160		115	92	45	23.5	404	5.40
TL 22 XH 300	18F	St	22	2517	60	155.64	152.85	168		120	92	45	23.5	405	6.00
TL 24 XH 300	18F	St	24	2517	60	169.79	167.00	183		130	92	45	23.5	406	7.60
TL 25 XH 300	18F	St	25	2517	60	176.86	174.07	188		140	92	45	23.5	407	8.70
TL 26 XH 300	18F	St	26	2517	60	183.93	181.14	198		143	92	45	23.5	409	9.80
TL 27 XH 300	18F	St	27	2517	60	191.01	188.22	200		152	92	45	23.5	410	10.70
TL 28 XH 300	19F	St	28	2517	60	198.09	195.30	211	120	165	92	45	23.5	411	11.60
TL 30 XH 300	19F	St	30	2517	60	212.23	209.44	226	120	180	92	45	23.5	412	11.90
TL 32 XH 300	19F	St	32	3020	75	226.38	223.59	240	160	195	92	51	20.5	414	13.80
TL 36 XH 300	19F	St	36	3020	75	254.64	251.85	267	160	210	92	51	20.5		16.70
TL 40 XH 300	20	GG	40	3020	75	282.98	280.19		165	245	92	51	20.5		19.50
TL 48 XH 300	20	GG	48	3020	75	339.57	336.78		165	300	92	51	20.5		27.00
TL 60 XH 300	20	GG	60	3535	100	424.47	421.68		184	385	92	89	1.5		28.00

XH400

Timing belt pulleys for taper bushes(P.16-P.26)



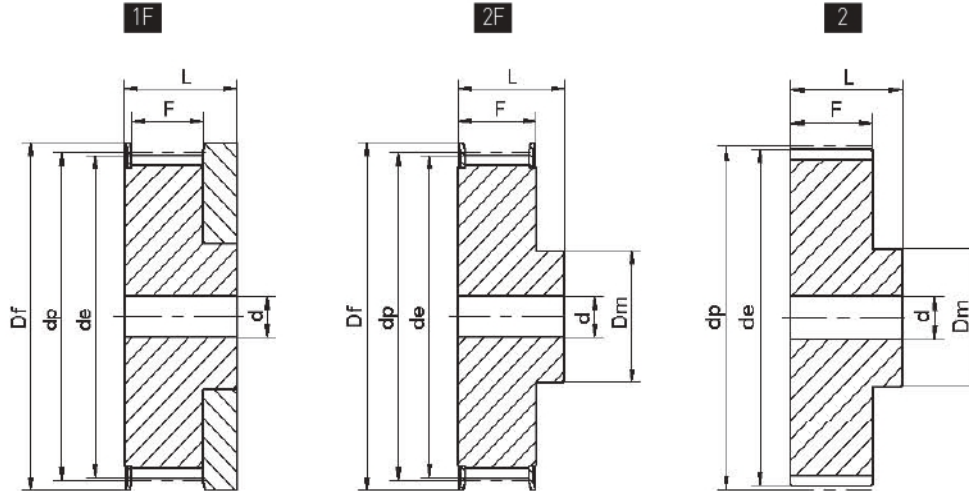
XH-7/8" Pitch
XH 400 For Belts 4" Wide
Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 18 XH 400	18F	St	18	2517	60	127.34	124.55	138		97	119	45	37	401	5.00
TL 19 XH 400	18F	St	19	2517	60	134.41	131.62	146		102	119	45	37	402	5.50
TL 20 XH 400	18F	St	20	2517	60	141.49	138.70	154		110	119	45	37	403	6.00
TL 21 XH 400	18F	St	21	2517	60	148.56	145.77	160		115	119	45	37	404	6.60
TL 22 XH 400	18F	St	22	2517	60	155.64	152.85	168		120	119	45	37	405	7.20
TL 24 XH 400	18F	St	24	3020	75	169.79	167.00	183		130	119	51	34	406	8.40
TL 25 XH 400	18F	St	25	3020	75	176.86	174.07	188		140	119	51	34	407	9.40
TL 26 XH 400	18F	St	26	3020	75	183.93	181.14	198		143	119	51	34	409	10.30
TL 27 XH 400	18F	St	27	3020	75	191.01	188.22	200		152	119	51	34	410	11.30
TL 28 XH 400	18F	St	28	3020	75	198.09	195.30	211		165	119	51	34	411	12.30
TL 30 XH 400	18F	St	30	3020	75	212.23	209.44	226		180	119	51	34	412	14.30
TL 32 XH 400	19F	St	32	3020	75	226.38	223.59	240	160	195	119	51	34	414	19.90
TL 36 XH 400	19F	St	36	3020	75	254.64	251.85	267	160	210	119	51	34		22.30
TL 40 XH 400	20	GG	40	3020	75	282.98	280.19		165	245	119	51	34		24.60
TL 48 XH 400	20	GG	48	3535	100	339.57	336.78		184	300	119	89	15		30.00
TL 60 XH 400	20	GG	60	3535	100	424.47	421.68		184	385	119	89	15		40.00

3M09

HTD Timing belt pulleys stock bore(P.27-P.40)

Timing belt pulleys for taper bushes
 ●XH400
 HTD Timing belt pulleys
 ●3M09

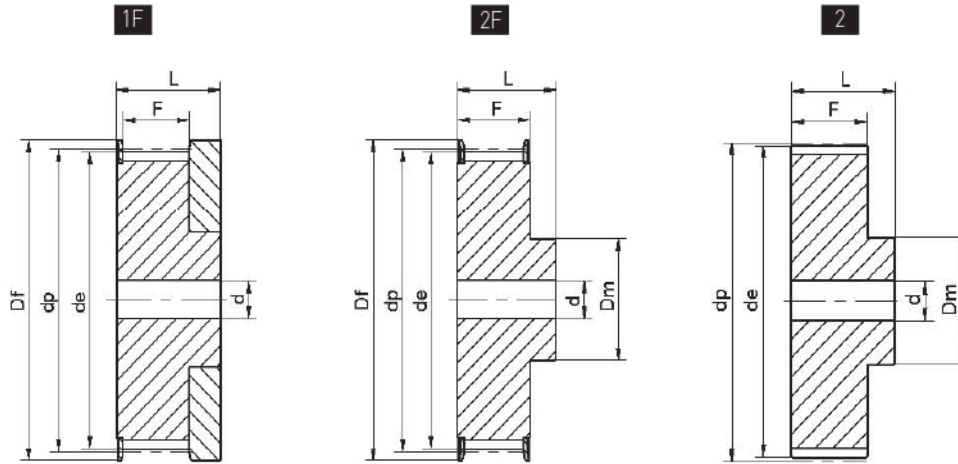


3M-3 mm
 3M 09 For Belts 9 mm Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	Di	F	L	d	FLANG	Weight (kg)
10 3M 09	1F	Al	10	9.55	8.79	13			10.2	17.5		100	0.01
12 3M 09	1F	Al	12	11.46	10.70	15			10.2	17.5		101	0.01
14 3M 09	1F	Al	14	13.37	12.61	16			10.2	17.5		102	0.01
15 3M 09	1F	Al	15	14.32	13.56	18			10.2	17.5		104	0.01
16 3M 09	2F	Al	16	15.28	14.52	18	10		12.8	20.6	4	104	0.01
18 3M 09	2F	Al	18	17.19	16.43	19.5	11		12.8	20.6	6	105	0.01
20 3M 09	2F	Al	20	19.10	18.34	23	13		12.8	20.6	6	107	0.01
21 3M 09	2F	Al	21	20.05	19.29	25	14		12.8	20.6	6	108	0.01
22 3M 09	2F	Al	22	21.01	20.25	25	14		12.8	20.6	6	108	0.01
24 3M 09	2F	Al	24	22.92	22.16	25	14		12.8	20.6	6	108	0.02
26 3M 09	2F	Al	26	24.83	24.07	28	16		12.8	20.6	6	109	0.02
28 3M 09	2F	Al	28	26.74	25.98	32	18		12.8	20.6	6	110	0.02
30 3M 09	2F	Al	30	28.65	27.89	32	20		12.8	20.6	6	110	0.03
32 3M 09	2F	Al	32	30.56	29.80	36	22		12.8	20.6	6	111	0.03
36 3M 09	2F	Al	36	34.38	33.62	38	26		13.4	22.2	6	112	0.05
40 3M 09	2F	Al	40	38.20	37.44	42	28		13.4	22.2	6	113	0.06
44 3M 09	2F	Al	44	42.02	41.26	48	33		13.4	22.2	6	114	0.07
48 3M 09	2	Al	48	45.84	45.08		33		13.4	22.2	8		0.11
60 3M 09	2	Al	60	57.30	56.54		33		13.4	22.2	8		0.11
72 3M 09	2	Al	72	68.76	68.00		33		13.4	22.2	8		0.15

3M15

HTD Timing belt pulleys stock bore(P.27-P.40)



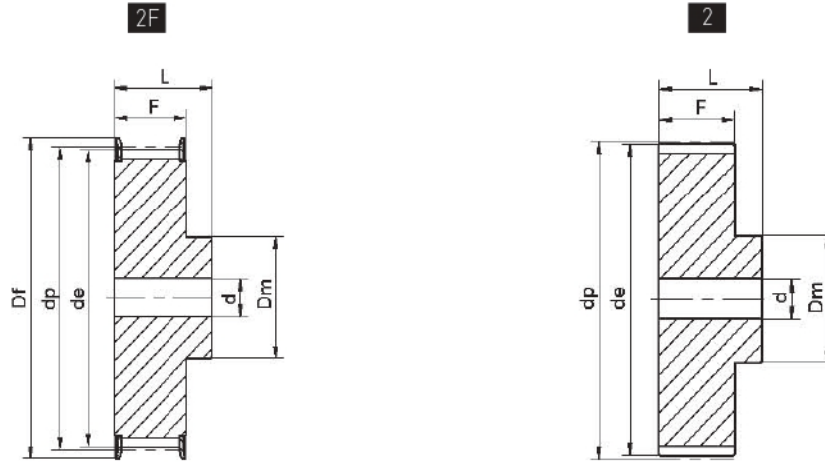
3M-3 mm
3M 15 For Belts 15 mm Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	Di	F	L	d	FLANG	Weight (kg)
10 3M 15	1F	Al	10	9.55	8.79	13			17	26		100	0.01
12 3M 15	1F	Al	12	11.46	10.70	15			17	26		101	0.01
14 3M 15	1F	Al	14	13.37	12.61	16			17	26		102	0.01
15 3M 15	1F	Al	15	14.32	13.56	18			17	26		104	0.01
16 3M 15	2F	Al	16	15.28	14.52	18	10		19.5	26	4	104	0.01
18 3M 15	2F	Al	18	17.19	16.43	19.5	11		19.5	26	6	105	0.01
20 3M 15	2F	Al	20	19.10	18.34	23	13		19.5	26	6	107	0.01
21 3M 15	2F	Al	21	20.05	19.29	25	14		19.5	26	6	108	0.02
22 3M 15	2F	Al	22	21.01	20.25	25	14		19.5	26	6	108	0.02
24 3M 15	2F	Al	24	22.92	22.16	25	14		19.5	26	6	108	0.02
26 3M 15	2F	Al	26	24.83	24.07	28	16		19.5	26	6	109	0.03
28 3M 15	2F	Al	28	26.74	25.98	32	18		19.5	26	6	110	0.03
30 3M 15	2F	Al	30	28.65	27.89	32	20		19.5	26	6	110	0.04
32 3M 15	2F	Al	32	30.56	29.80	36	22		19.5	26	6	111	0.04
36 3M 15	2F	Al	36	34.38	33.62	38	26		20	30	6	112	0.06
40 3M 15	2F	Al	40	38.20	37.44	42	28		20	30	6	113	0.08
44 3M 15	2F	Al	44	42.02	41.26	48	33		20	30	6	114	0.10
48 3M 15	2	Al	48	45.84	45.08		33		20	30	8		0.10
60 3M 15	2	Al	60	57.30	56.54		33		20	30	8		0.15
72 3M 15	2	Al	72	68.76	68.00		33		20	30	8		0.21

5M09

HTD Timing belt pulleys stock bore(P.27-P.40)

HTD Timing belt pulleys
 • 3M15
 • 5M09

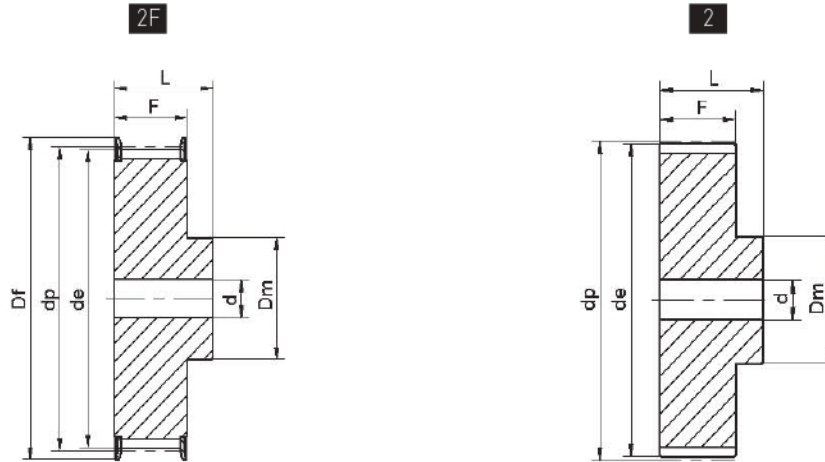


5M-5 mm
5M 09 For Belts 9 mm Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	Di	F	L	d	FLANG	Weight (kg)
12 5M 09	2F	St	12	19.10	17.96	23	12.5		14.5	20	6	202	0.03
14 5M 09	2F	St	14	22.28	21.14	25	13.5		14.5	20	6	203	0.04
15 5M 09	2F	St	15	23.87	22.73	28	16		14.5	20	6	204	0.05
16 5M 09	2F	St	16	25.46	24.32	28	16.5		14.5	20	6	204	0.06
18 5M 09	2F	St	18	28.65	27.51	32	20		14.5	20	6	205	0.07
20 5M 09	2F	St	20	31.83	30.69	36	23		14.5	22.5	6	206	0.10
21 5M 09	2F	St	21	33.42	32.28	38	24		14.5	22.5	6	207	0.11
22 5M 09	2F	St	22	35.01	33.87	38	25.5		14.5	22.5	6	207	0.13
24 5M 09	2F	St	24	38.20	37.06	42	27		14.5	22.5	6	208	0.14
26 5M 09	2F	St	26	41.38	40.24	44	30		14.5	22.5	6	209	0.17
28 5M 09	2F	St	28	44.56	43.42	48	30.5		14.5	22.5	6	210	0.20
30 5M 09	2F	St	30	47.75	46.60	51	35		14.5	22.5	6	211	0.22
32 5M 09	2F	St	32	50.93	49.79	54	38		14.5	22.5	8	212	0.28
36 5M 09	2F	St	36	57.30	56.16	60	38		14.5	22.5	8	214	0.32
40 5M 09	2F	St	40	63.66	62.52	71	38		14.5	22.5	8	217	0.40
42 5M 09	2	Al	42	66.85	65.71		38		14.5	22.5	8		0.14
44 5M 09	2	Al	44	70.03	68.89		38		14.5	25.5	8		0.17
48 5M 09	2	Al	48	76.39	75.25		45		14.5	25.5	8		0.21
50 5M 09	2	Al	50	79.58	78.44		45		14.5	25.5	8		0.25
60 5M 09	2	Al	60	95.49	94.35		45		14.5	25.5	8		0.30
72 5M 09	2	Al	72	114.59	113.45		45		14.5	25.5	8		0.43

5M15

HTD Timing belt pulleys stock bore(P.27~P.40)



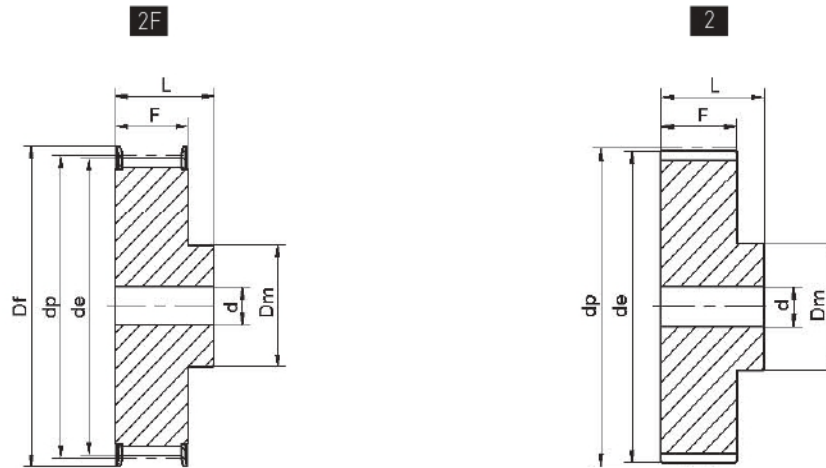
5M-5 mm
5M 15 For Belts 15 mm Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	Di	F	L	d	FLANG	Weight (kg)
12 5M 15	2F	St	12	19.10	17.96	23	12.5		20.5	26	6	202	0.03
14 5M 15	2F	St	14	22.28	21.14	25	13.5		20.5	26	6	203	0.05
15 5M 15	2F	St	15	23.87	22.73	28	16		20.5	26	6	204	0.07
16 5M 15	2F	St	16	25.46	24.32	28	16.5		20.5	26	6	204	0.08
18 5M 15	2F	St	18	28.65	27.51	32	20		20.5	26	6	205	0.09
20 5M 15	2F	St	20	31.83	30.69	36	23		20.5	26	6	206	0.12
21 5M 15	2F	St	21	33.42	32.28	38	24		20.5	26	6	207	0.14
22 5M 15	2F	St	22	35.01	33.87	38	25.5		20.5	26	6	207	0.15
24 5M 15	2F	St	24	38.20	37.06	42	27		20.5	28	6	208	0.19
26 5M 15	2F	St	26	41.38	40.24	44	30		20.5	28	6	209	0.22
28 5M 15	2F	St	28	44.56	43.42	48	30.5		20.5	28	6	210	0.25
30 5M 15	2F	St	30	47.75	46.60	51	35		20.5	28	6	211	0.29
32 5M 15	2F	St	32	50.93	49.79	54	38		20.5	28	8	212	0.34
34 5M 15	2F	St	34	54.11	52.97	57	38		20.5	28	8	213	0.39
36 5M 15	2F	St	36	57.30	56.16	60	38		20.5	28	8	214	0.44
38 5M 15	2F	St	38	60.48	59.34	66	38		20.5	28	8	216	0.48
40 5M 15	2F	St	40	63.66	62.52	71	38		20.5	28	8	217	0.60
44 5M 15	2	Al	44	70.03	68.89		38		20.5	30	8		0.22
48 5M 15	2	Al	48	76.39	75.25		38		20.5	30	8		0.26
50 5M 15	2	Al	50	79.58	78.44		38		20.5	30	8		0.27
60 5M 15	2	Al	60	95.49	94.35		50		20.5	30	8		0.29
72 5M 15	2	Al	72	114.59	113.45		50		20.5	30	8		0.58

5M25

HTD Timing belt pulleys stock bore(P.27~P.40)

HTD Timing belt pulleys
 • 5M15
 • 5M25

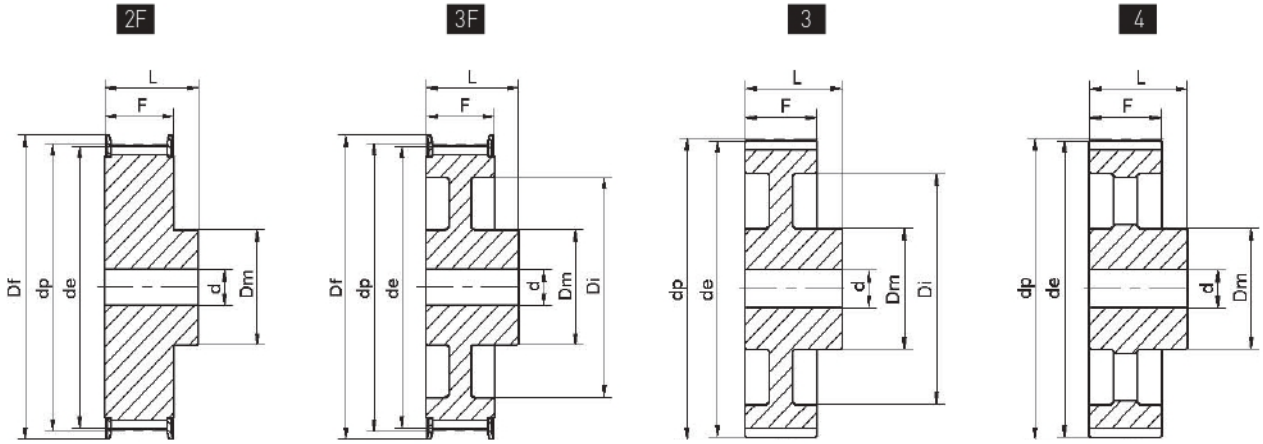


5M-5 mm
5M 25 For Belts 25 mm Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	Di	F	L	d	FLANG	Weight (kg)
12 5M 25	2F	St	12	19.10	17.96	23	12.5		30.5	36	6	202	0.05
14 5M 25	2F	St	14	22.28	21.14	25	13.5		30.5	36	6	203	0.06
15 5M 25	2F	St	15	23.87	22.73	28	16		30.5	36	6	204	0.10
16 5M 25	2F	St	16	25.46	24.32	28	16.5		30.5	36	6	204	0.11
18 5M 25	2F	St	18	28.65	27.51	32	20		30.5	36	6	205	0.13
20 5M 25	2F	St	20	31.83	30.69	36	23		30.5	36	6	206	0.19
21 5M 25	2F	St	21	33.42	32.28	38	24		30.5	38	6	207	0.20
22 5M 25	2F	St	22	35.01	33.87	38	25.5		30.5	38	6	207	0.22
24 5M 25	2F	St	24	38.20	37.06	42	27		30.5	38	6	208	0.26
25 5M 25	2F	St	25	39.79	38.65	42	27		30.5	38	6	208	0.29
26 5M 25	2F	St	26	41.38	40.24	44	30		30.5	38	6	209	0.31
28 5M 25	2F	St	28	44.56	43.42	48	30.5		30.5	38	6	210	0.36
30 5M 25	2F	St	30	47.75	46.60	51	35		30.5	38	6	211	0.40
32 5M 25	2F	St	32	50.93	49.79	54	38		30.5	38	8	212	0.49
36 5M 25	2F	St	36	57.30	56.16	60	38		30.5	38	8	214	0.60
38 5M 25	2F	St	38	60.48	59.34	66	38		30.5	38	8	216	0.68
40 5M 25	2F	St	40	63.66	62.52	71	38		30.5	38	8	217	0.74
43 5M 25	2	Al	43	68.44	67.30		38		30.5	40	8		0.28
44 5M 25	2	Al	44	70.03	68.89		38		30.5	40	8		0.30
45 5M 25	2	Al	45	71.62	70.48		38		30.5	40	8		0.33
48 5M 25	2	Al	48	76.39	75.25		38		30.5	40	8		0.37
56 5M 25	2	Al	56	89.13	87.99		50		30.5	40	8		0.40
60 5M 25	2	Al	60	95.49	94.35		50		30.5	40	8		0.44
72 5M 25	2	Al	72	114.59	113.45		50		30.5	40	8		0.85
80 5M 25	2	Al	80	127.32	126.18		60		30.5	40	8		1.20
112 5M 25	2	Al	112	178.25	177.11		110		30.5	30.5	8		2.50

8M20

HTD Timing belt pulleys stock bore(P.27~P.40)



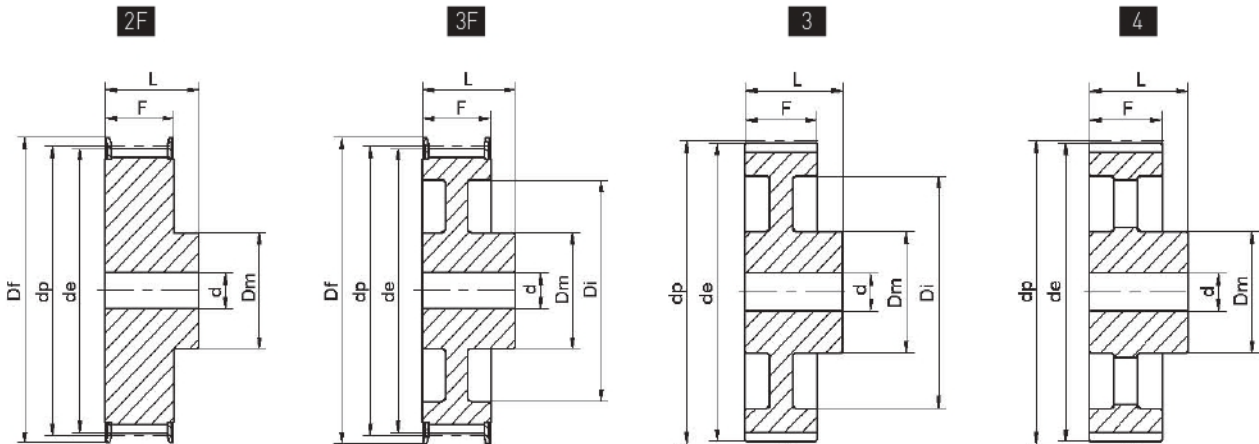
8M-8 mm
8M 20 For Belts 20 mm Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	Di	F	L	d	FLANG	Weight (kg)
20 8M 20	2F	St	20	50.93	49.56	54	38		28	38	12	306	0.43
21 8M 20	2F	St	21	53.48	52.10	57	40		28	38	12	307	0.48
22 8M 20	2F	St	22	56.02	54.65	60	43		28	38	12	308	0.54
23 8M 20	2F	St	23	58.57	57.20	66	45		28	38	12	310	0.57
24 8M 20	2F	St	24	61.11	59.74	66	45		28	38	12	310	0.64
26 8M 20	2F	St	26	66.21	64.84	71	48		28	38	12	311	0.76
28 8M 20	2F	St	28	71.30	70.08	75	50		28	38	14	312	0.87
30 8M 20	2F	St	30	76.39	75.13	83	55		28	38	14	314	1.04
32 8M 20	2F	St	32	81.49	80.16	87	60		28	38	14	315	1.20
34 8M 20	2F	St	34	86.58	85.21	91	66		28	38	14	316	1.38
35 8M 20	2F	St	35	89.13	87.75	93	70		28	38	14	317	1.50
36 8M 20	2F	St	36	91.67	90.30	98	70		28	38	14	319	1.55
38 8M 20	2F	St	38	96.77	95.39	103	75		28	38	14	320	1.80
40 8M 20	2F	St	40	101.86	100.49	106	75		28	38	14	321	1.90
44 8M 20	2F	St	44	112.05	110.67	119	75		28	38	14	325	2.28
45 8M 20	2F	St	45	114.59	113.22	119	75		28	38	14	325	2.35
48 8M 20	2F	St	48	122.23	120.86	127	75		28	38	14	327	2.67
50 8M 20	2F	St	50	127.32	125.95	135	75		28	38	14	328	2.90
52 8M 20	2F	St	52	132.42	131.05	140	80		28	38	14	330	3.51
56 8M 20	3F	St	56	142.60	141.23	148	80	116	28	38	14	333	2.86
64 8M 20	3F	St	64	162.97	161.60	168	80	137	28	38	14	338	3.26
72 8M 20	3F	St	72	183.35	181.97	192	80	158	28	38	14	340	3.80
80 8M 20	3	GG	80	203.72	202.35		90	180	28	38	14		4.17
90 8M 20	3	GG	90	229.18	227.81		90	204	28	38	14		4.95
112 8M 20	4	GG	112	285.21	283.83		90	254	28	38	18		5.32
144 8M 20	4	GG	144	366.69	365.32		90	336	28	38	20		7.70
168 8M 20	4	GG	168	427.81	426.44		100	400	28	38	20		8.36
192 8M 20	4	GG	192	488.92	487.55		100	460	28	38	20		11.00

8M30

HTD Timing belt pulleys stock bore(P.27~P.40)

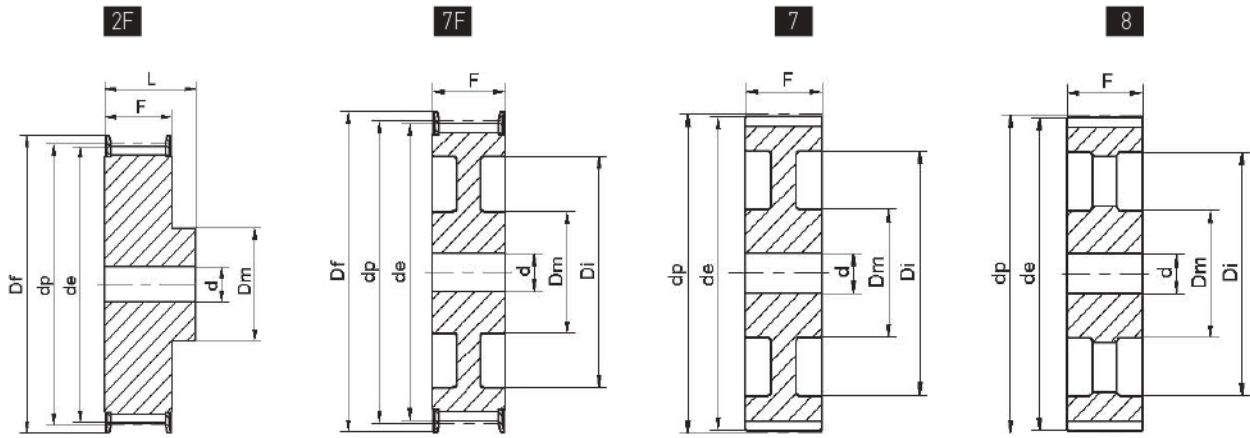
HTD Timing belt pulleys
 ● 8M20
 ● 8M30



8M-8 mm
8M 30 For Belts 30 mm Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	Di	F	L	d	FLANG	Weight (kg)
22 8M 30	2F	St	22	56.02	54.65	60	43		38	48	12	308	0.68
23 8M 30	2F	St	23	58.57	57.20	66	45		38	48	12	310	0.75
24 8M 30	2F	St	24	61.11	59.74	66	45		38	48	12	310	0.83
25 8M 30	2F	St	25	63.66	62.29	71	48		38	48	12	311	0.92
26 8M 30	2F	St	26	66.21	64.84	71	48		38	48	12	311	0.98
27 8M 30	2F	St	27	68.76	67.38	75	50		38	48	14	312	1.00
28 8M 30	2F	St	28	71.30	70.08	75	50		38	48	14	312	1.12
29 8M 30	2F	St	29	73.85	72.48	79	55		38	48	14	313	1.23
30 8M 30	2F	St	30	76.39	75.13	83	55		38	48	14	314	1.32
32 8M 30	2F	St	32	81.49	80.16	87	60		38	48	14	315	1.55
34 8M 30	2F	St	34	86.58	85.21	91	66		38	48	14	316	1.76
35 8M 30	2F	St	35	89.13	87.76	93	70		38	48	14	317	1.90
36 8M 30	2F	St	36	91.67	90.30	98	70		38	48	14	319	2.10
38 8M 30	2F	St	38	96.77	95.39	103	75		38	48	14	320	2.30
39 8M 30	2F	St	39	99.31	97.94	106	75		38	48	14	321	2.38
40 8M 30	2F	St	40	101.86	100.49	106	75		38	48	14	321	2.47
42 8M 30	2F	St	42	106.95	105.58	111	75		38	48	14	322	2.68
44 8M 30	2F	St	44	112.05	110.67	119	75		38	48	14	325	2.88
46 8M 30	2F	St	46	117.14	115.77	123	75		38	48	14	326	3.10
48 8M 30	2F	St	48	122.23	120.86	127	75		38	48	14	327	3.52
50 8M 30	2F	St	50	127.32	125.95	135	75		38	48	14	328	3.81
52 8M 30	2F	St	52	132.42	131.05	140	80		38	48	14	330	4.50
53 8M 30	2F	St	53	134.96	133.59	140	90		38	48	14	330	4.40
56 8M 30	3F	St	56	142.60	141.23	148	90	116	38	48	14	333	4.05
58 8M 30	3F	St	58	147.70	146.32	152	90	118	38	48	14	334	4.30
64 8M 30	3F	St	64	162.97	161.60	168	90	137	38	48	14	338	4.60
72 8M 30	3F	St	72	183.35	181.97	192	95	158	38	48	14	340	5.40
80 8M 30	3	GG	80	203.72	202.35		100	180	38	48	14		5.70
90 8M 30	3	GG	90	229.18	227.81		100	204	38	48	14		6.65
100 8M 30	4	GG	100	254.65	253.28		100	224	38	48	14		7.20
110 8M 30	4	GG	110	280.11	278.74		100	249	38	48	14		7.80
112 8M 30	4	GG	112	285.21	283.83		100	254	38	48	18		8.12
120 8M 30	4	GG	120	305.58	304.21		100	275	38	48	18		9.50
144 8M 30	4	GG	144	366.69	365.32		100	336	38	48	20		9.61
168 8M 30	4	GG	168	427.81	426.44		100	400	38	48	20		12.50
192 8M 30	4	GG	192	488.92	487.55		100	460	38	48	20		16.00

8M50 HTD Timing belt pulleys stock bore(P.27~P.40)



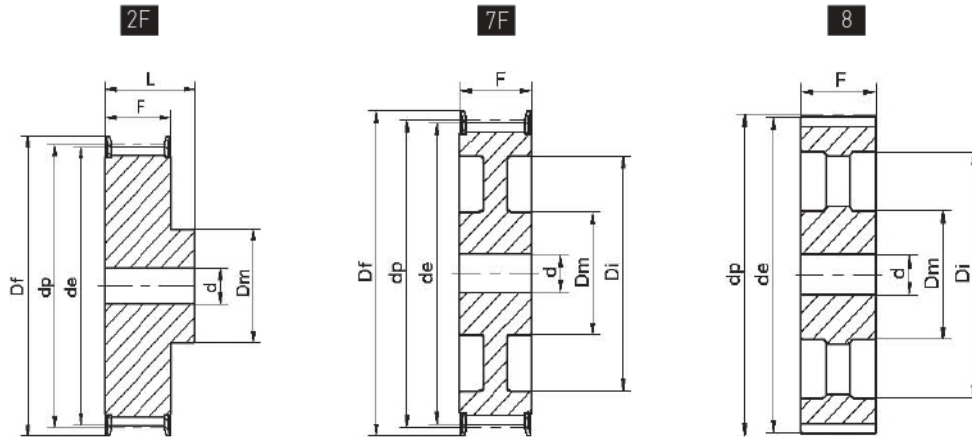
8M-8 mm
8M 50 For Belts 50 mm Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	Di	F	L	d	FLANG	Weight (kg)
20 8M 50	2F	St	20	50.93	49.56	54	38		60	70	12	306	0.81
21 8M 50	2F	St	21	53.48	52.10	57	40		60	70	12	307	0.97
22 8M 50	2F	St	22	56.02	54.65	60	43		60	70	12	308	1.00
23 8M 50	2F	St	23	58.57	57.20	66	45		60	70	12	310	1.11
24 8M 50	2F	St	24	61.11	59.74	66	45		60	70	12	310	1.17
25 8M 50	2F	St	25	63.66	62.29	71	48		60	70	12	311	1.38
26 8M 50	2F	St	26	66.21	64.84	71	48		60	70	12	311	1.46
28 8M 50	2F	St	28	71.30	70.08	75	50		60	70	14	312	1.58
29 8M 50	2F	St	29	73.85	72.62	79	55		60	70	14	313	1.75
30 8M 50	2F	St	30	76.39	75.13	83	55		60	70	14	314	2.00
31 8M 50	2F	St	31	78.94	77.65	87	55		60	70	14	315	2.15
32 8M 50	2F	St	32	81.49	80.16	87	60		60	70	14	315	2.28
33 8M 50	2F	St	33	84.03	82.66	91	66		60	70	14	316	2.51
34 8M 50	2F	St	34	86.58	85.21	91	66		60	70	14	316	2.61
35 8M 50	2F	St	35	89.13	87.76	93	70		60	70	14	317	2.81
36 8M 50	2F	St	36	91.67	90.30	98	70		60	70	14	319	2.97
38 8M 50	2F	St	38	96.77	95.39	103	75		60	70	14	320	3.40
40 8M 50	2F	St	40	101.86	100.49	106	75		60	70	14	321	3.71
42 8M 50	2F	St	42	106.95	105.58	111	75		60	70	14	322	4.06
44 8M 50	2F	St	44	112.05	110.67	119	75		60	70	14	325	4.47
45 8M 50	2F	St	45	114.59	113.22	119	75		60	70	14	325	5.10
48 8M 50	2F	St	48	122.23	120.86	127	75		60	70	14	327	5.30
50 8M 50	2F	St	50	127.32	125.95	135	80		60	70	14	328	5.50
52 8M 50	2F	St	52	132.42	131.05	140	80		60	70	14	330	6.30
56 8M 50	7F	St	56	142.60	141.23	148	90	116	60	60	18	333	5.54
58 8M 50	7F	St	58	147.70	146.32	152	90	118	60	60	18	334	5.65
60 8M 50	7F	St	60	152.79	151.42	158	90	127	60	60	18	335	5.72
64 8M 50	7F	St	64	162.97	161.60	168	100	137	60	60	18	338	6.64
72 8M 50	7F	St	72	183.35	181.97	192	100	158	60	60	18	340	7.45
80 8M 50	7	GG	80	203.72	202.35		110	180	60	60	18		8.05
84 8M 50	7	GG	84	213.90	212.53		110	190	60	60	18		8.96
90 8M 50	7	GG	90	229.18	227.81		110	204	60	60	18		9.36
112 8M 50	8	GG	112	285.21	283.83		110	254	60	60	18		11.18
144 8M 50	8	GG	144	366.69	365.32		110	336	60	60	20		14.77
168 8M 50	8	GG	168	427.81	426.44		120	400	60	60	20		17.60
192 8M 50	8	GG	192	488.92	487.55		130	460	60	60	20		22.00

8M85

HTD Timing belt pulleys stock bore(P.27-P.40)

HTD Timing belt pulleys
 ● 8M50
 ● 8M85

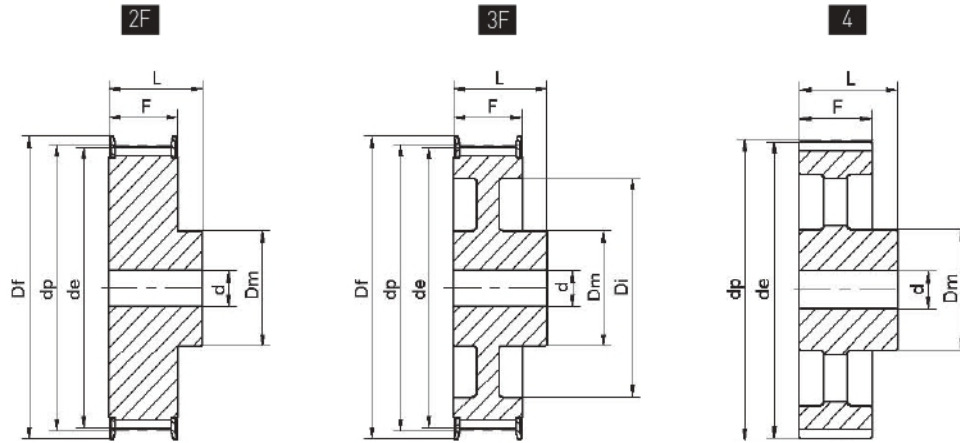


8M-8 mm
8M 85 For Belts 85 mm Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	Di	F	L	d	FLANG	Weight (kg)
22 8M 85	2F	St	22	56.02	54.65	60	43		95	105	12	308	1.54
23 8M 85	2F	St	23	58.57	57.20	66	45		95	105	12	310	1.64
24 8M 85	2F	St	24	61.11	59.74	66	45		95	105	12	310	1.74
25 8M 85	2F	St	25	63.66	62.28	71	48		95	105	12	311	1.88
26 8M 85	2F	St	26	66.21	64.84	71	48		95	105	12	311	2.02
27 8M 85	2F	St	27	68.76	67.39	75	50		95	105	14	312	2.30
28 8M 85	2F	St	28	71.30	70.08	75	50		95	105	14	312	2.56
29 8M 85	2F	St	29	73.85	72.48	79	55		95	105	14	313	2.80
30 8M 85	2F	St	30	76.39	75.13	83	55		95	105	14	314	3.02
31 8M 85	2F	St	31	78.94	77.57	87	55		95	105	14	315	3.25
32 8M 85	2F	St	32	81.49	80.16	87	60		95	105	14	315	3.48
33 8M 85	2F	St	33	84.03	82.61	91	60		95	105	14	316	3.60
34 8M 85	2F	St	34	86.58	85.21	91	66		95	105	14	316	3.88
35 8M 85	2F	St	35	89.13	87.75	93	70		95	105	14	317	4.20
36 8M 85	2F	St	36	91.67	90.30	98	70		95	105	14	319	4.51
38 8M 85	2F	St	38	96.77	95.39	103	75		95	105	14	320	5.10
40 8M 85	2F	St	40	101.86	100.49	106	75		95	105	14	321	5.63
42 8M 85	2F	St	42	106.95	105.58	111	75		95	105	14	322	6.30
44 8M 85	2F	St	44	112.05	110.67	119	75		95	105	14	325	6.85
45 8M 85	2F	St	45	114.59	113.22	119	75		95	105	14	325	7.50
48 8M 85	2F	St	48	122.23	120.86	127	75		95	105	14	327	8.20
50 8M 85	2F	St	50	127.32	125.95	135	80		95	105	14	328	9.50
52 8M 85	2F	St	52	132.42	131.05	140	80		95	105	18	330	10.50
56 8M 85	2F	St	56	142.60	141.23	148	80		95	105	18	333	11.24
58 8M 85	7F	St	58	147.70	146.32	152	90	118	95	95	18	334	11.30
64 8M 85	7F	St	64	162.97	161.60	168	100	137	95	95	18	338	11.38
72 8M 85	7F	St	72	183.35	181.97	192	110	158	95	95	18	340	12.30
80 8M 85	8	GG	80	203.72	202.35		110	180	95	95	20		11.78
90 8M 85	8	GG	90	229.18	227.81		110	204	95	95	20		13.03
112 8M 85	8	GG	112	285.21	283.83		110	254	95	95	24		16.88
144 8M 85	8	GG	144	366.69	365.32		110	341	95	95	24		19.60
168 8M 85	8	GG	168	427.81	426.44		120	400	95	95	24		25.30
192 8M 85	8	GG	192	488.92	487.55		130	460	95	95	24		29.82

14M40

HTD Timing belt pulleys stock bore(P.27-P.40)



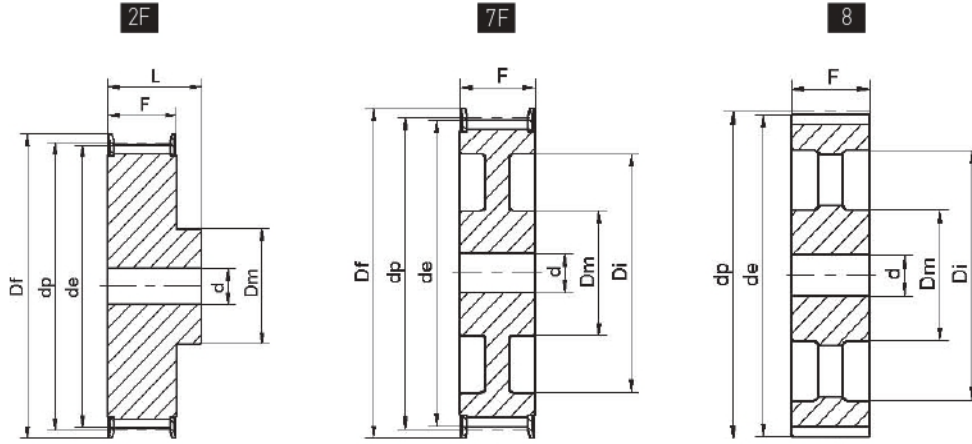
14M-14 mm
14M 40 For Belts 40 mm Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	Di	F	L	d	FLANG	Weight (kg)
28 14M 40	2F	St	28	124.78	122.12	127	100		54	69	24	400	4.80
29 14M 40	2F	St	29	129.23	126.44	138	100		54	69	24	401	5.00
30 14M 40	2F	St	30	133.69	130.99	138	100		54	69	24	401	5.78
31 14M 40	2F	St	31	138.15	135.43	146	100		54	69	24	402	6.10
32 14M 40	2F	St	32	142.60	139.88	154	100		54	69	24	403	6.63
33 14M 40	2F	St	33	147.06	144.33	154	100		54	69	24	403	7.00
34 14M 40	2F	St	34	151.52	148.79	160	100		54	69	24	404	7.40
35 14M 40	2F	St	35	155.97	153.18	168	100		54	69	24	405	7.90
36 14M 40	2F	St	36	160.43	157.68	168	100		54	69	24	405	8.27
38 14M 40	2F	St	38	169.34	166.60	183	120		54	69	24	406	9.05
39 14M 40	2F	St	39	173.80	171.00	183	120		54	69	24	406	10.00
40 14M 40	2F	St	40	178.25	175.49	188	120		54	69	24	407	10.65
42 14M 40	2F	St	42	187.17	184.37	198	120		54	69	24	409	11.50
44 14M 40	2F	St	44	196.08	193.28	211	120		54	69	24	411	12.77
48 14M 40	3F	GG	48	213.90	211.11	226	135	170	54	69	24	412	12.05
56 14M 40	3F	GG	56	249.55	246.76	256	135	207	54	69	28	416	13.88
64 14M 40	3F	GG	64	285.21	282.41	296	135	240	54	69	28	418	17.15
72 14M 40	4	GG	72	320.86	318.06		135	278	54	69	28		16.05
80 14M 40	4	GG	80	356.51	353.71		135	314	54	69	28		17.23
90 14M 40	4	GG	90	401.07	398.28		135	358	54	69	28		20.10
112 14M 40	4	GG	112	499.11	496.32		135	456	54	69	28		24.90
144 14M 40	4	GG	144	641.71	638.92		135	600	54	69	28		34.00
168 14M 40	4	GG	168	748.66	745.87		135	706	54	69	28		44.00
192 14M 40	4	GG	192	855.62	852.82		135	813	54	69	28		50.10
216 14M 40	4	GG	216	962.57	959.78		150	920	54	69	28		62.30

14M55

HTD Timing belt pulleys stock bore(P.27-P.40)

HTD Timing belt pulleys
 • 14M40
 • 14M55

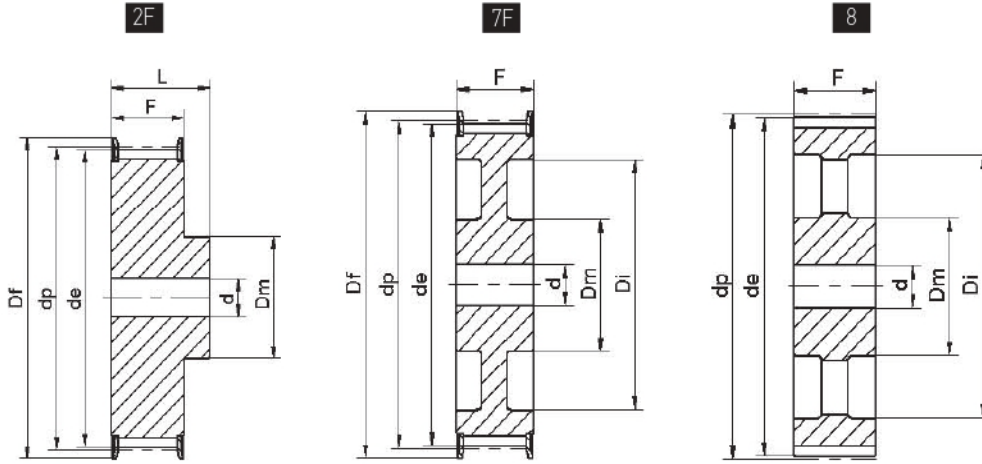


14M-14 mm
14M 55 For Belts 55 mm Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	Di	F	L	d	FLANG	Weight (kg)
28 14M 55	2F	St	28	124.78	122.12	127	100		70	85	24	400	5.70
29 14M 55	2F	St	29	129.23	126.44	138	100		70	85	24	401	6.10
30 14M 55	2F	St	30	133.69	130.99	138	100		70	85	24	401	6.60
31 14M 55	2F	St	31	138.15	135.43	146	100		70	85	24	402	7.80
32 14M 55	2F	St	32	142.60	139.88	154	100		70	85	24	403	8.31
34 14M 55	2F	St	34	151.52	148.79	160	100		70	85	24	404	8.81
35 14M 55	2F	St	35	155.98	153.18	168	100		70	85	24	405	9.50
36 14M 55	2F	St	36	160.43	157.68	168	100		70	85	24	405	10.40
38 14M 55	2F	St	38	169.34	166.60	183	120		70	85	24	406	13.12
39 14M 55	2F	St	39	173.80	171.00	183	120		70	85	24	406	13.20
40 14M 55	2F	St	40	178.25	175.49	188	120		70	85	24	407	13.30
44 14M 55	2F	St	44	196.08	193.28	211	120		70	85	24	411	16.12
48 14M 55	7F	GG	48	213.90	211.11	226	135	170	70	70	24	412	13.69
52 14M 55	7F	GG	52	231.73	228.94	240	135	180	70	70	28	414	15.20
56 14M 55	7F	GG	56	249.55	246.76	256	135	207	70	70	28	416	16.30
64 14M 55	7F	GG	64	285.21	282.41	296	135	240	70	70	28	418	19.70
72 14M 55	8	GG	72	320.86	318.06		135	278	70	70	28		18.98
80 14M 55	8	GG	80	356.51	353.71		135	314	70	70	28		20.80
90 14M 55	8	GG	90	401.07	398.28		135	358	70	70	28		23.80
112 14M 55	8	GG	112	499.11	496.32		135	456	70	70	28		31.00
144 14M 55	8	GG	144	641.71	638.92		135	600	70	70	28		41.80
168 14M 55	8	GG	168	748.66	745.87		135	706	70	70	28		50.20
192 14M 55	8	GG	192	855.62	852.82		135	813	70	70	28		69.00
216 14M 55	8	GG	216	962.57	959.78		150	920	70	70	28		80.80

14M85

HTD Timing belt pulleys stock bore(P.27-P.40)



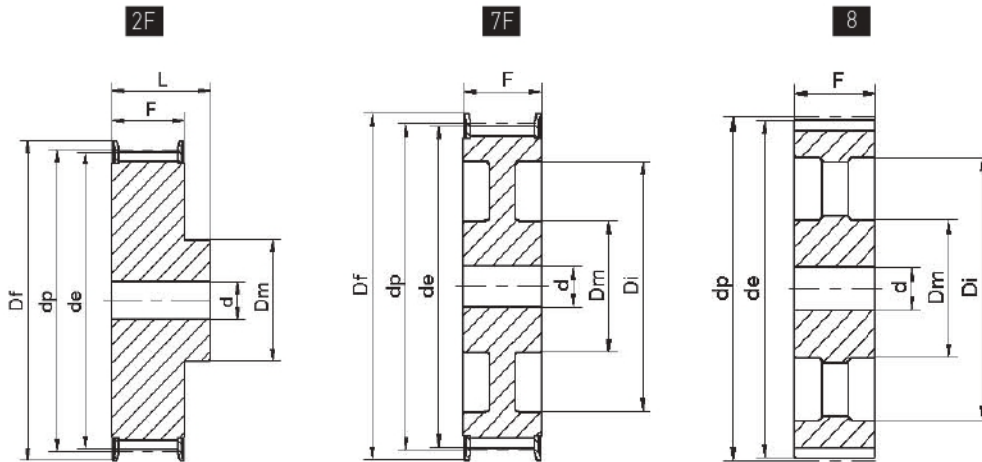
14M-14 mm
 14M 85 For Belts 85 mm Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	Di	F	L	d	FLANG	Weight (kg)
28 14M 85	2F	St	28	124.78	122.12	127	100		102	117	24	400	8.79
29 14M 85	2F	St	29	129.23	126.44	138	100		102	117	24	401	9.48
30 14M 85	2F	St	30	133.69	130.99	138	100		102	117	24	401	10.13
32 14M 85	2F	St	32	142.60	139.88	154	100		102	117	24	403	11.62
34 14M 85	2F	St	34	151.52	148.79	160	100		102	117	24	404	13.44
36 14M 85	2F	St	36	160.43	157.68	168	100		102	117	32	405	14.44
38 14M 85	2F	St	38	169.34	166.60	183	120		102	117	32	406	16.70
40 14M 85	2F	St	40	178.25	175.49	188	135		102	117	32	407	18.84
44 14M 85	2F	St	44	196.08	193.28	211	135		102	117	32	411	22.60
48 14M 85	2F	St	48	213.90	211.11	226	150		102	117	32	412	27.58
50 14M 85	2F	St	50	222.82	220.02	240	150		102	117	32	414	30.00
56 14M 85	7F	GG	56	249.55	246.76	256	150	207	102	102	32	416	23.80
64 14M 85	7F	GG	64	285.21	282.41	296	150	240	102	102	32	418	28.00
72 14M 85	8	GG	72	320.86	318.06		150	278	102	102	32		28.02
80 14M 85	8	GG	80	356.51	353.71		150	314	102	102	32		31.00
90 14M 85	8	GG	90	401.07	398.28		150	358	102	102	32		36.00
112 14M 85	8	GG	112	499.11	496.32		150	456	102	102	32		42.64
144 14M 85	8	GG	144	641.71	638.92		150	600	102	102	32		55.10
168 14M 85	8	GG	168	748.66	745.87		150	706	102	102	32		70.10
192 14M 85	8	GG	192	855.62	852.82		165	813	102	102	32		86.00
216 14M 85	8	GG	216	962.57	959.78		165	920	102	102	32		100.00

HTD Timing belt pulleys
 • 14M85
 • 14M115

14M115

HTD Timing belt pulleys stock bore(P.27-P.40)

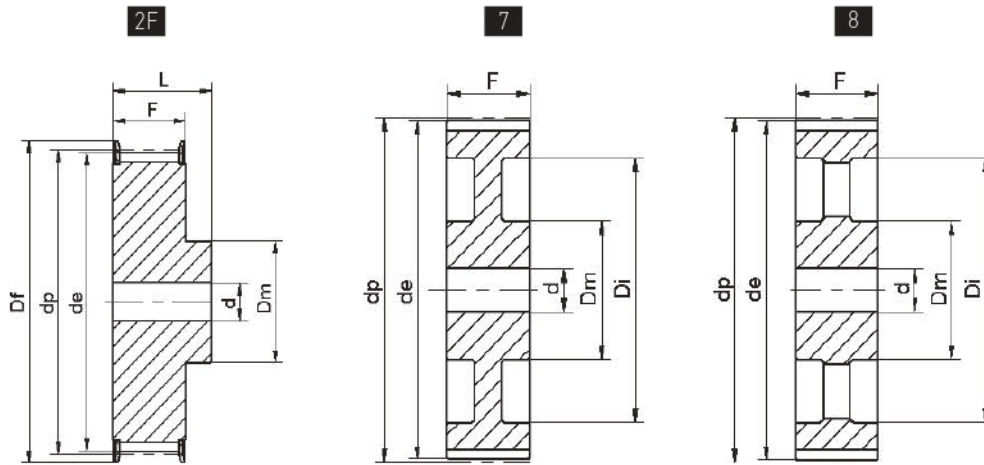


14M-14 mm
14M 115 For Belts 115 mm Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	Di	F	L	d	FLANG	Weight (kg)
28 14M 115	2F	St	28	124.78	122.12	127	100		133	148	32	400	10.77
29 14M 115	2F	St	29	129.23	126.44	138	100		133	148	32	401	11.50
30 14M 115	2F	St	30	133.69	130.99	138	100		133	148	32	401	12.50
32 14M 115	2F	St	32	142.60	139.88	154	100		133	148	32	403	14.40
33 14M 115	2F	St	33	147.06	144.33	154	100		133	148	32	403	14.62
34 14M 115	2F	St	34	151.52	148.79	160	100		133	148	32	404	14.89
36 14M 115	2F	St	36	160.43	157.68	168	120		133	148	32	405	18.99
38 14M 115	2F	St	38	169.34	166.60	183	120		133	148	32	406	21.27
40 14M 115	2F	St	40	178.25	175.49	188	135		133	148	32	407	24.80
42 14M 115	2F	St	42	187.17	184.37	198	140		133	148	32	409	27.00
44 14M 115	2F	St	44	196.08	193.28	211	140		133	148	32	411	29.44
48 14M 115	2F	St	48	213.90	211.11	226	150		133	148	32	412	35.70
56 14M 115	2F	St	56	249.55	246.76	256	150		133	148	32	416	48.30
63 14M 115	7F	GG	63	280.75	277.95	296	150	238	133	133	32	418	34.00
64 14M 115	7F	GG	64	285.21	282.41	296	150	240	133	133	32	418	35.00
72 14M 115	8	GG	72	320.86	318.06		150	278	133	133	32		37.31
80 14M 115	8	GG	80	356.51	353.71		150	314	133	133	32		40.85
90 14M 115	8	GG	90	401.07	398.28		150	358	133	133	32		44.60
112 14M 115	8	GG	112	499.11	496.32		150	456	133	133	32		53.50
144 14M 115	8	GG	144	641.71	638.92		165	600	133	133	32		75.00
168 14M 115	8	GG	168	748.66	745.87		165	706	133	133	32		90.60
192 14M 115	8	GG	192	855.62	852.82		165	813	133	133	32		115.00
216 14M 115	8	GG	216	962.57	959.78		165	920	133	133	32		120.00

14M170

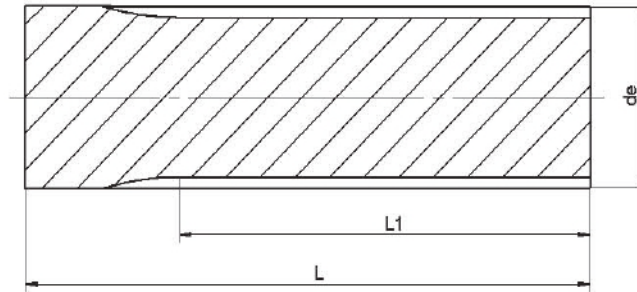
HTD Timing belt pulleys stock bore(P.27-P.40)



14M-14 mm
14M 170 For Belts 170 mm Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	dp	de	Df	Dm	Di	F	L	d	FLANG	Weight (kg)
28 14M 170	2F	St	28	124.78	122.12	127	100		187	202	32	400	14.80
30 14M 170	2F	St	30	133.69	130.99	138	100		187	202	32	401	17.30
32 14M 170	2F	St	32	142.60	139.88	154	100		187	202	32	403	19.60
34 14M 170	2F	St	34	151.52	148.79	160	100		187	202	32	404	20.16
36 14M 170	2F	St	36	160.43	157.68	168	120		187	202	32	405	26.09
38 14M 170	2F	St	38	169.34	166.60	183	135		187	202	32	406	29.74
40 14M 170	2F	St	40	178.25	175.49	188	140		187	202	32	407	33.20
44 14M 170	2F	St	44	196.08	193.28	211	160		187	202	32	411	36.50
48 14M 170	2F	St	48	213.90	211.11	226	160		187	202	32	412	49.16
49 14M 170	2F	St	49	218.36	215.57	226	160		187	202	32	412	51.84
50 14M 170	2F	St	50	222.82	220.02	240	160		187	202	32	414	53.97
52 14M 170	2F	St	52	231.73	228.94	240	160		187	202	32	414	58.30
53 14M 170	2F	St	53	236.19	233.39	256	160		187	202	32	415	61.03
56 14M 170	2F	St	56	249.55	246.76	256	160		187	202	32	416	68.60
63 14M 170	2F	St	63	280.75	277.95	296	180		187	202	32	418	87.75
64 14M 170	2F	St	64	285.21	282.41	296	180		187	202	32	418	91.40
66 14M 170	7	GG	66	294.12	291.32		180	251	187	187	32		59.30
68 14M 170	7	GG	68	303.03	300.24		180	260	187	187	32		60.70
72 14M 170	7	GG	72	320.86	318.06		180	278	187	187	32		63.00
80 14M 170	7	GG	80	356.51	353.71		180	314	187	187	32		67.80
90 14M 170	8	GG	90	401.07	398.28		180	358	187	187	38		69.80
112 14M 170	8	GG	112	499.11	496.32		200	456	187	187	38		91.50
125 14M 170	8	GG	125	557.04	554.25		220	515	187	187	38		107.20
144 14M 170	8	GG	144	641.71	638.92		220	600	187	187	38		118.00
168 14M 170	8	GG	168	748.66	745.87		220	706	187	187	38		140.20
192 14M 170	8	GG	192	855.62	852.82		220	813	187	187	38		165.00
276 14M 170	8	GG	276	1229.95	1227.17		240	1186	187	187	38		272.20

HTD belt bars (P.41)



5M-5 mm MATEL:Al

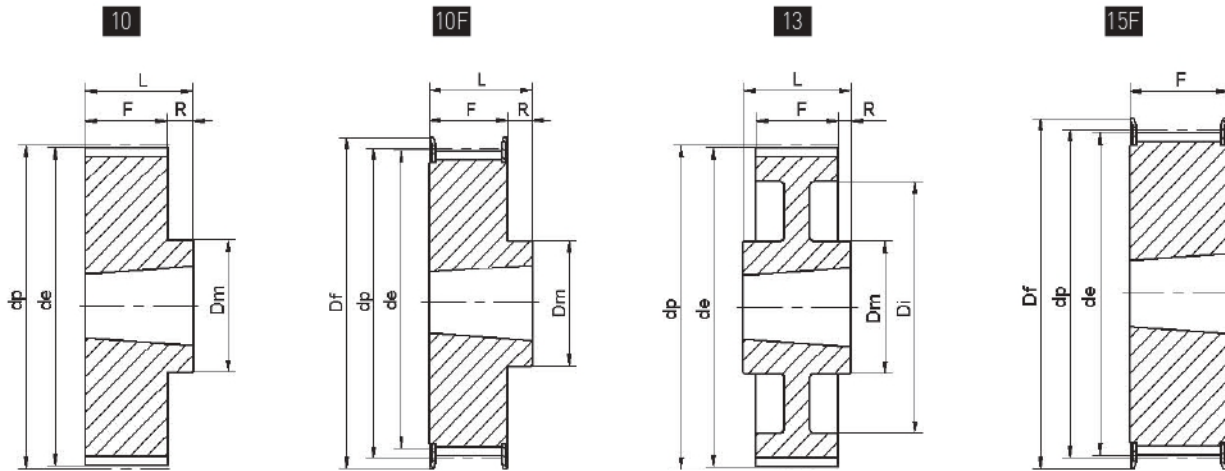
8M-8 mm MATEL:St

Product Model	Z	de	L1	L	Weight (kg)
5M 12	12	17.96	160	160	0.08
5M 13	13	19.55	160	160	0.10
5M 14	14	21.14	175	200	0.16
5M 15	15	22.73	175	200	0.19
5M 16	16	24.32	175	200	0.21
5M 17	17	25.92	175	200	0.24
5M 18	18	27.51	200	200	0.27
5M 19	19	29.10	200	200	0.31
5M 20	20	30.69	200	200	0.35
5M 21	21	32.28	200	200	0.39
5M 22	22	33.87	200	200	0.43
5M 23	23	35.47	200	200	0.48
5M 24	24	37.06	200	200	0.52
5M 25	25	38.65	200	200	0.57
5M 26	26	40.24	200	200	0.62
5M 27	27	41.83	200	200	0.67
5M 28	28	43.42	200	200	0.73
5M 29	29	45.01	200	200	0.79
5M 30	30	46.61	200	200	0.84
5M 31	31	48.19	200	200	0.92
5M 32	32	49.79	200	200	0.97
5M 33	33	51.38	200	200	1.05
5M 34	34	52.97	200	200	1.11
5M 35	35	54.56	200	200	1.15
5M 36	36	56.16	200	200	1.25
5M 37	38	59.34	200	200	1.40
5M 38	40	62.52	200	200	1.55
5M 42	42	65.71	200	200	1.73
5M 44	44	68.89	200	200	1.90
5M 45	45	70.48	200	200	1.99
5M 46	46	72.07	200	200	2.10
5M 47	48	75.25	200	200	2.27
5M 50	50	78.44	200	200	2.48
5M 54	54	84.80	200	200	2.91
5M 60	60	94.35	200	200	3.62
5M 62	62	97.53	200	200	3.86
5M 72	72	113.45	200	200	5.28

Product Model	Z	de	L1	L	Weight (kg)
8M 18	18	44.47	200	200	2.03
8M 19	19	47.01	200	200	2.3
8M 20	20	49.56	200	200	2.57
8M 21	21	52.11	200	200	2.88
8M 22	22	54.65	200	200	3.18
8M 23	23	57.2	200	200	3.52
8M 24	24	59.75	200	200	3.86
8M 25	25	62.29	200	200	4.23
8M 26	26	64.84	200	200	4.6
8M 28	28	69.93	200	200	5.4
8M 30	30	75.02	200	200	6.27
8M 32	32	80.12	200	200	7.2
8M 34	34	85.21	200	200	8.2
8M 35	35	87.76	200	200	8.71
8M 36	36	90.3	200	200	9.26
8M 38	38	95.4	200	200	10.39
8M 40	40	100.49	200	200	11.58
8M 44	44	110.67	200	200	14.16
8M 48	48	120.86	200	200	16.99

5M15

HTD Timing belt pulleys for taper bushes(P.42-P.52)



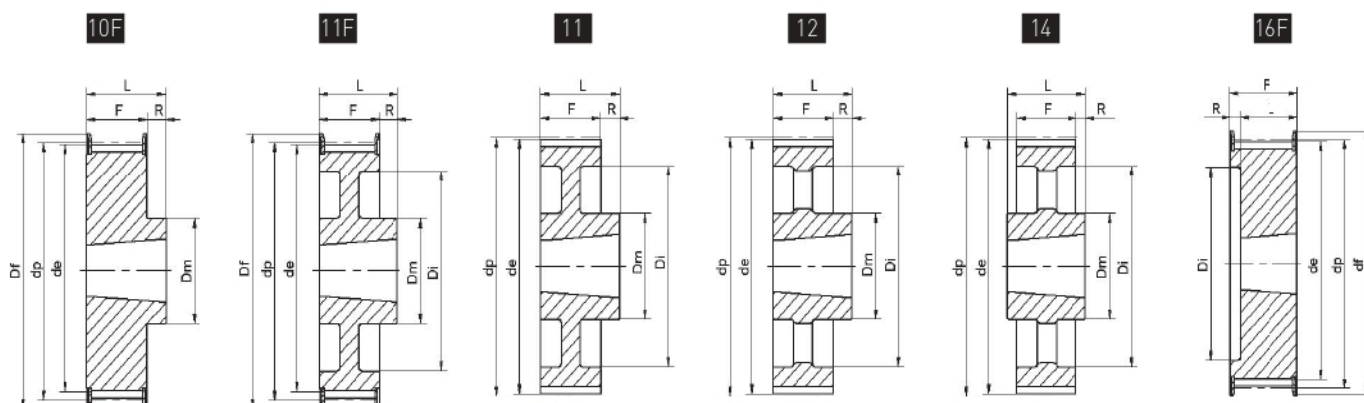
5M-5 mm
5M 15 For Belts 15 mm Wide
Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 32 5M 15	15F	St	32	1008	25	50.93	49.79	54			22	22		212	0.15
TL 34 5M 15	15F	St	34	1008	25	54.11	52.97	57			22	22		213	0.20
TL 36 5M 15	15F	St	36	1108	25	57.30	56.15	60			22	22		214	0.25
TL 38 5M 15	15F	St	38	1108	25	60.48	59.34	66			22	22		216	0.30
TL 40 5M 15	15F	St	40	1108	25	63.66	62.52	71			22	22		217	0.35
TL 44 5M 15	15F	St	44	1108	25	70.03	68.89	75			22	22		218	0.40
TL 48 5M 15	10F	St	48	1210	32	76.39	75.25	83	59		22	25	3	219	0.46
TL 56 5M 15	10F	St	56	1210	32	89.13	87.99	93	70		22	25	3	222	0.60
TL 60 5M 15	10F	St	60	1210	32	95.49	94.35	97	74		22	25	3	223	0.70
TL 64 5M 15	10F	St	64	1210	32	101.86	100.72	106	80		22	25	3	224	0.80
TL 72 5M 15	10	St	72	1610	42	114.59	113.45		92		22	25	3		1.20
TL 80 5M 15	10	St	80	1610	42	127.32	126.18		92		22	25	3		1.76
TL 90 5M 15	10	St	90	1610	42	143.24	142.10		92		22	25	3		2.32
TL 112 5M 15	10	St	112	2012	50	178.25	177.11		110		20	32	12		3.72
TL 136 5M 15	13	St	136	2012	50	216.45	215.31		110	199	20	32	6		6.52

8M20

HTD Timing belt pulleys for taper bushes(P.42~P.52)

HTD Timing belt pulleys
 ● 5M15
 ● 8M20

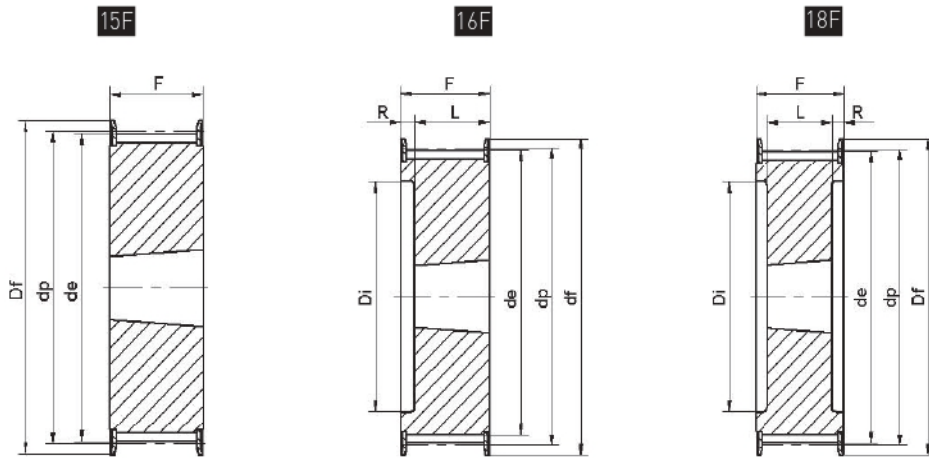


8M-8 mm
8M 20 For Belts 20 mm Wide
Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 22 8M 20	16F	St	22	1008	25	56.02	54.65	60		37	28	22	6	308	0.25
TL 24 8M 20	16F	St	24	1108	25	61.11	59.74	66		44	28	22	6	310	0.28
TL 26 8M 20	16F	St	26	1108	25	66.21	64.84	71		45	28	22	6	311	0.39
TL 28 8M 20	16F	St	28	1108	25	71.30	70.08	75		50	28	22	6	312	0.48
TL 30 8M 20	16F	St	30	1108	25	76.39	75.13	83		58	28	22	6	314	0.59
TL 32 8M 20	16F	St	32	1610	42	81.49	80.16	87		63	28	25	3	315	0.46
TL 34 8M 20	16F	St	34	1610	42	86.58	85.21	91		64	28	25	3	316	0.58
TL 36 8M 20	16F	St	36	1610	42	91.67	90.30	98		68	28	25	3	319	0.73
TL 38 8M 20	16F	St	38	1610	42	96.77	95.39	103		72	28	25	3	320	0.88
TL 40 8M 20	16F	St	40	1610	42	101.86	100.49	106		76	28	25	3	321	1.03
TL 42 8M 20	16F	St	42	1610	42	106.95	105.58	111		81	28	25	3	322	1.17
TL 44 8M 20	10F	St	44	2012	50	112.05	110.67	119	92		28	32	4	325	1.25
TL 45 8M 20	10F	St	45	2012	50	114.59	113.22	119	92		28	32	4	325	1.30
TL 48 8M 20	10F	St	48	2012	50	122.23	120.86	127	96		28	32	4	327	1.68
TL 50 8M 20	10F	St	50	2012	50	127.32	125.95	135	96		28	32	4	328	1.80
TL 56 8M 20	10F	St	56	2012	50	142.60	141.23	148	110		28	32	4	333	2.65
TL 60 8M 20	10F	St	60	2012	50	152.79	151.42	158	110		28	32	4	335	2.60
TL 64 8M 20	11F	St	64	2012	50	162.97	161.60	168	110	137	28	32	4	338	2.95
TL 72 8M 20	11F	St	72	2012	50	183.35	181.97	192	110	158	28	32	4	340	3.47
TL 80 8M 20	11	GG	80	2012	50	203.72	202.35		110	180	28	32	4		3.60
TL 90 8M 20	11	GG	90	2012	50	229.18	227.81		110	204	28	32	4		4.37
TL 112 8M 20	11	GG	112	2517	60	285.21	283.83		125	254	28	45	17		5.50
TL 144 8M 20	12	GG	144	2517	60	366.69	365.32		125	336	28	45	17		6.80
TL 192 8M 20	14	GG	192	3020	75	488.92	487.55		170	455	28	51	11.5		9.50

8M30

HTD Timing belt pulleys for taper bushes(P.42-P.52)

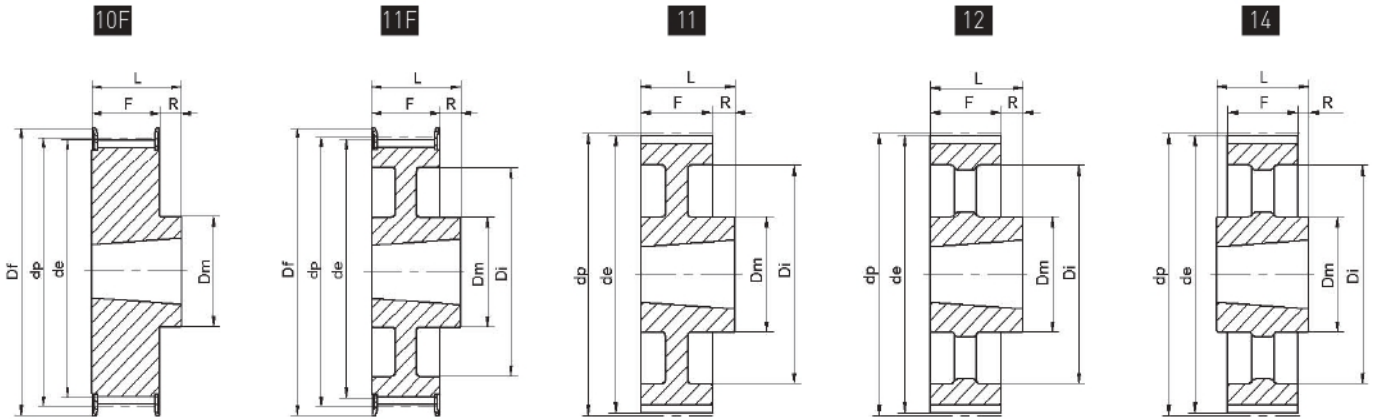


8M-8 mm
8M 30 For Belts 30 mm Wide
Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 20 8M 30	16F	St	20	1008	25	50.93	49.56	60		36	38	22	16	308	0.30
TL 22 8M 30	16F	St	22	1008	25	56.02	54.65	60		37	38	22	16	308	0.32
TL 23 8M 30	16F	St	23	1108	25	58.57	57.20	66		44	38	22	16	310	0.33
TL 24 8M 30	16F	St	24	1108	25	61.11	59.74	66		44	38	22	16	310	0.37
TL 26 8M 30	16F	St	26	1108	25	66.21	64.84	71		44	38	22	16	311	0.45
TL 27 8M 30	16F	St	27	1108	25	68.76	67.38	75		48	38	22	16	312	0.46
TL 28 8M 30	16F	St	28	1210	32	71.30	70.08	75		50	38	25	13	312	0.48
TL 29 8M 30	16F	St	29	1210	32	73.85	72.62	79		52	38	25	13	313	0.49
TL 30 8M 30	15F	St	30	1615	42	76.39	75.13	83			38	38		314	0.50
TL 31 8M 30	15F	St	31	1615	42	78.94	77.57	87			38	38		315	0.53
TL 32 8M 30	15F	St	32	1615	42	81.49	80.16	87			38	38		315	0.60
TL 33 8M 30	15F	St	33	1615	42	84.03	82.66	91			38	38		316	0.66
TL 34 8M 30	15F	St	34	1615	42	86.58	85.21	91			38	38		316	0.84
TL 35 8M 30	15F	St	35	1615	42	89.13	87.75	93			38	38		317	0.90
TL 36 8M 30	15F	St	36	1615	42	91.67	90.30	98			38	38		319	1.00
TL 37 8M 30	15F	St	38	1615	42	94.22	92.85	98			38	38		318	1.05
TL 38 8M 30	15F	St	38	1615	42	96.77	95.39	103			38	38		320	1.25
TL 39 8M 30	15F	ST	39	1615	42	99.31	97.94	106			38	38		321	1.47
TL 40 8M 30	15F	St	40	1615	42	101.86	100.49	106			38	38		321	1.47
TL 41 8M 30	15F	St	41	1615	42	104.41	103.03	111			38	38		322	1.80
TL 42 8M 30	15F	St	42	1615	42	106.95	105.58	111			38	38		322	2.21
TL 44 8M 30	18F	St	44	2012	50	112.05	110.67	119		86	38	32	3	325	1.50
TL 45 8M 30	18F	St	45	2012	50	114.59	113.22	119		88	38	32	3	325	1.56
TL 48 8M 30	18F	St	48	2012	50	122.23	120.86	127		90	38	32	3	327	1.99
TL 50 8M 30	18F	St	50	2012	50	127.32	125.95	135		95	38	32	3	328	2.27
TL 52 8M 30	18F	St	52	2012	50	132.42	131.04	140		100	38	32	3	330	2.52
TL 56 8M 30	18F	St	56	2012	50	142.60	141.23	148		110	38	32	3	333	3.06
TL 58 8M 30	18F	St	58	2012	50	147.70	146.32	152		115	38	32	3	334	3.35

8M30

HTD Timing belt pulleys for taper bushes(P.42~P.52)

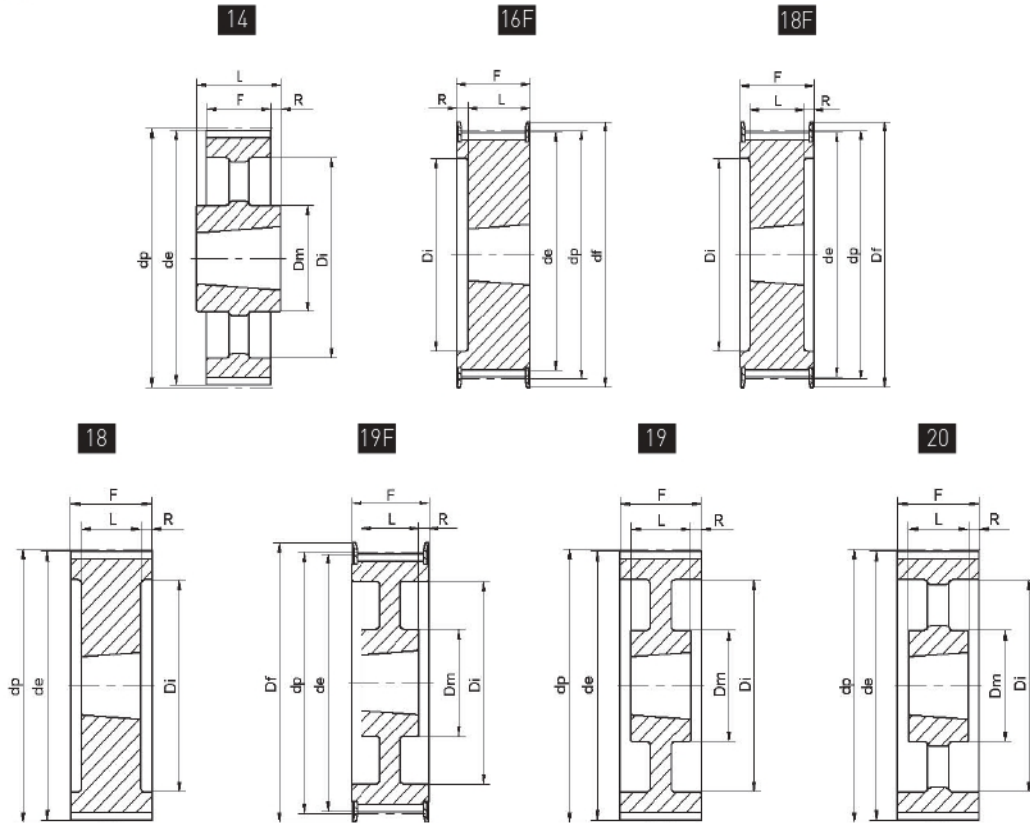


8M-8 mm
8M 30 For Belts 30 mm Wide
Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 60 8M 30	10F	St	60	2517	60	152.79	151.42	158	125		38	45	7	335	3.85
TL 62 8M 30	10F	St	62	2517	60	157.88	156.51	168	125		38	45	7	CPT031	4.40
TL 64 8M 30	10F	St	64	2517	60	162.97	161.60	168	125		38	45	7	338	4.55
TL 65 8M 30	10F	St	65	2517	60	165.52	164.15	174	125		38	45	7	CPT058	4.58
TL 67 8M 30	10F	St	67	2517	60	170.61	169.24	180	125		38	45	7		4.69
TL 72 8M 30	11F	St	72	2517	60	183.35	181.97	192	125	158	38	45	7	340	4.74
TL 78 8M 30	11	GG	78	2517	60	198.63	197.25		125	175	38	45	7		4.85
TL 80 8M 30	11	GG	80	2517	60	203.72	202.35		125	180	38	45	7		5.00
TL 90 8M 30	11	GG	90	2517	60	229.18	227.81		125	204	38	45	7		5.80
TL 112 8M 30	12	GG	112	2517	60	285.21	283.83		125	254	38	45	7		7.45
TL 144 8M 30	12	GG	144	2517	60	366.69	365.32		125	336	38	45	7		9.00
TL 192 8M 30	14	GG	192	3525	90	488.92	487.55		198	455	38	65	13.5		15.00

8M50

HTD Timing belt pulleys for taper bushes(P.42-P.52)



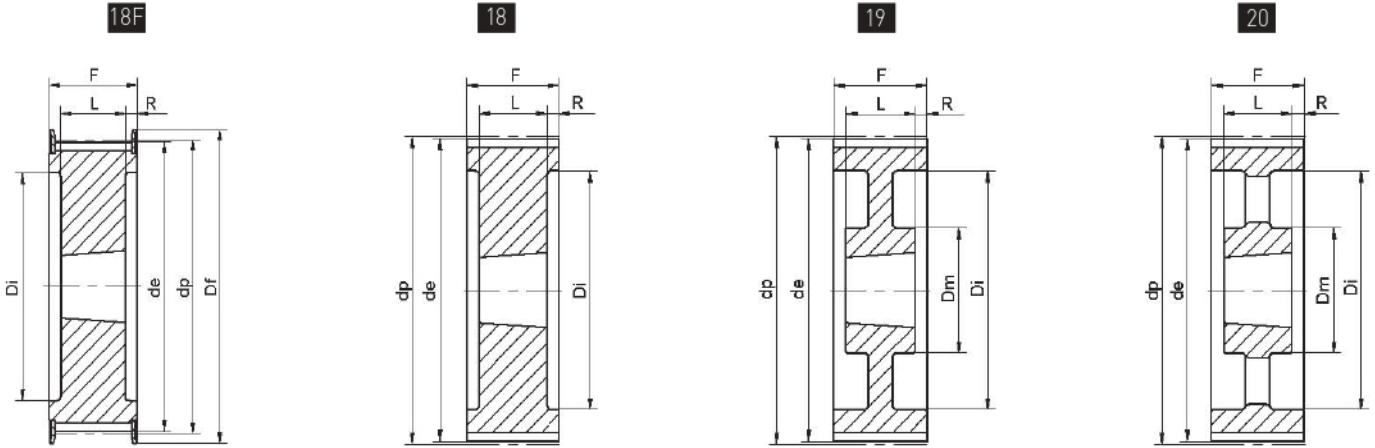
8M-8 mm
8M 50 For Belts 50 mm Wide
Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 24 8M 50	18F	St	24	1108	25	61.12	59.74	66		45	60	22	19	310	0.50
TL 25 8M 50	18F	St	25	1108	25	63.66	62.29	71		44	60	22	19	311	0.65
TL 26 8M 50	18F	St	26	1108	25	66.21	64.84	71		45	60	22	19	311	0.79
TL 27 8M 50	18F	St	27	1108	25	68.76	67.38	75		48	60	22	19	312	0.85
TL 28 8M 50	16F	St	28	1210	32	71.30	70.08	75		50	60	25	35	312	0.74
TL 30 8M 50	16F	St	30	1615	42	76.39	75.13	83		58	60	38	22	314	0.75
TL 31 8M 50	16F	St	31	1615	42	78.94	77.57	87		60	60	38	22	315	0.83
TL 32 8M 50	16F	St	32	1615	42	81.49	80.16	87		63	60	38	22	315	0.91
TL 33 8M 50	16F	St	33	1615	42	84.03	82.66	91		64	60	38	22	316	1.11
TL 34 8M 50	16F	St	34	1615	42	86.58	85.21	91		65	60	38	22	316	1.15
TL 35 8M 50	16F	St	35	1615	42	89.13	87.75	93		66	60	38	22	317	1.31
TL 36 8M 50	16F	St	36	1615	42	91.67	90.30	98		68	60	38	22	319	1.35
TL 38 8M 50	16F	St	38	1615	42	96.77	95.39	103		72	60	38	22	320	1.65
TL 40 8M 50	18F	St	40	2012	50	101.86	100.49	106		80	60	32	14	321	1.70
TL 42 8M 50	18F	St	42	2012	50	106.95	105.58	111		81	60	32	14	322	1.77
TL 44 8M 50	18F	St	44	2012	50	112.05	110.67	119		86	60	32	14	325	1.80
TL 45 8M 50	18F	St	45	2012	50	114.59	113.22	119		88	60	32	14	325	2.65
TL 48 8M 50	18F	St	48	2012	50	122.23	120.86	127		95	60	32	14	327	2.35
TL 50 8M 50	18F	St	50	2012	50	127.32	125.95	135		95	60	32	14	328	3.06
TL 52 8M 50	18F	St	52	2012	50	132.42	131.04	140		100	60	32	14	330	3.50
TL 56 8M 50	18F	St	56	2517	60	142.60	141.23	148		116	60	45	7.5	333	3.35
TL 58 8M 50	18F	St	58	2517	60	147.70	146.32	152		115	60	45	7.5	334	4.00
TL 60 8M 50	18F	St	60	2517	60	152.79	151.42	158		126	60	45	7.5	335	4.71
TL 64 8M 50	18F	St	64	2517	60	162.97	161.60	168		136	60	45	7.5	338	4.90
TL 72 8M 50	19F	St	72	2517	60	183.35	181.97	192	125	158	60	45	7.5	340	6.90
TL 80 8M 50	18	GG	80	3020	75	203.72	202.35			180	60	51	4.5		8.90
TL 90 8M 50	19	GG	90	3020	75	229.18	227.81		160	204	60	51	4.5		9.90
TL 112 8M 50	19	GG	112	3020	75	285.21	283.83		170	254	60	51	4.5		12.10
TL 144 8M 50	20	GG	144	3020	75	366.69	365.32		170	336	60	51	4.5		15.40
TL 168 8M 50	14	GG	168	3525	90	427.81	426.44		198	395	60	65	2.5		22.80
TL 192 8M 50	14	GG	192	3525	90	488.92	487.55		198	455	60	65	2.5		26.50

8M85

HTD Timing belt pulleys for taper bushes(P.42-P.52)

HTD Timing belt pulleys
 • 8M50
 • 8M85

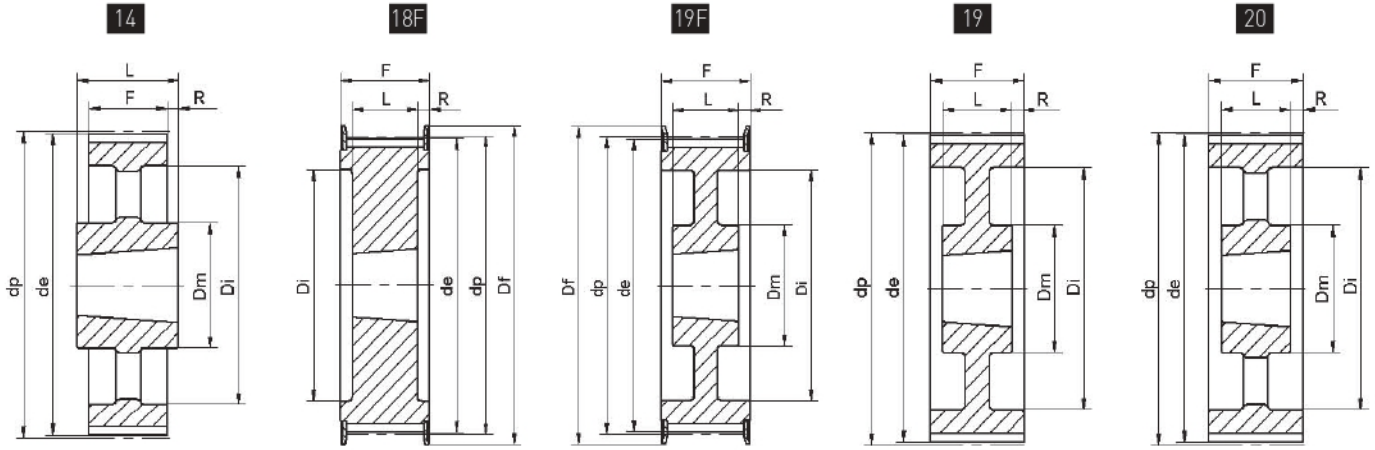


8M-8 mm
8M 85 For Belts 85 mm Wide
Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 24 8M 85	18F	St	24	1108	25	61.12	59.74	66		44	95	22	36.5	310	0.74
TL 26 8M 85	18F	St	26	1108	25	66.21	64.84	71		45	95	22	36.5	311	1.02
TL 28 8M 85	18F	St	28	1108	25	71.30	70.08	75		50	95	22	36.5	312	1.31
TL 29 8M 85	18F	St	29	1108	25	73.85	72.62	79		52.6	95	22	36.5	313	1.35
TL 30 8M 85	18F	St	30	1615	42	76.39	75.13	83		60	95	38	28.5	314	1.38
TL 32 8M 85	18F	St	32	1615	42	81.49	80.16	87		64.5	95	38	28.5	315	1.21
TL 33 8M 85	18F	St	33	1615	42	84.03	82.66	91		64	95	38	28.5	316	1.42
TL 34 8M 85	18F	St	34	1615	42	86.58	85.22	91		65	95	38	28.5	316	1.68
TL 35 8M 85	18F	St	35	1615	42	89.13	87.75	93		66	95	38	28.5	317	1.75
TL 36 8M 85	18F	St	36	1615	42	91.67	90.30	98		68	95	38	28.5	319	1.90
TL 38 8M 85	18F	St	38	1615	42	96.77	95.39	103		72	95	38	28.5	320	1.95
TL 40 8M 85	18F	St	40	2012	50	101.86	100.49	106		80	95	32	31.5	321	2.02
TL 42 8M 85	18F	St	42	2012	50	106.95	105.58	111		81	95	32	31.5	322	2.62
TL 44 8M 85	18F	St	44	2012	50	112.05	110.67	119		86	95	32	31.5	325	2.87
TL 48 8M 85	18F	St	48	2517	60	122.23	120.86	127		97	95	45	25	327	3.15
TL 50 8M 85	18F	St	50	2517	60	127.32	125.95	135		98	95	45	25	328	3.78
TL 52 8M 85	18F	St	52	2517	60	132.42	131.04	140		100	95	45	25	330	4.00
TL 56 8M 85	18F	St	56	2517	60	142.60	141.23	148		116	95	45	25	333	4.50
TL 58 8M 85	18F	St	58	2517	60	147.70	146.32	152		115	95	45	25	334	5.30
TL 60 8M 85	18F	St	60	2517	60	152.79	151.42	158		126	95	45	25	335	6.14
TL 64 8M 85	18F	St	64	2517	60	162.97	161.60	168		136	95	45	25	338	6.90
TL 72 8M 85	18F	St	72	3020	75	183.35	181.97	192		150	95	51	22	340	8.51
TL 80 8M 85	18	GG	80	3020	75	203.72	202.35			180	95	51	22		9.82
TL 90 8M 85	19	GG	90	3020	75	229.18	227.81		170	204	95	51	22		11.10
TL 112 8M 85	19	GG	112	3020	75	285.21	283.83		170	254	95	51	22		16.60
TL 136 8M 85	20	GG	136	3525	90	346.32	344.95		198	315	95	65	15		21.50
TL 144 8M 85	20	GG	144	3525	90	366.69	365.32		198	336	95	65	15		22.10
TL 168 8M 85	20	GG	168	3525	90	427.81	426.44		198	395	95	65	15		27.00
TL 192 8M 85	20	GG	192	3525	90	488.92	487.55		198	455	95	65	15		32.50

14M40

HTD Timing belt pulleys for taper bushes(P42-P52)



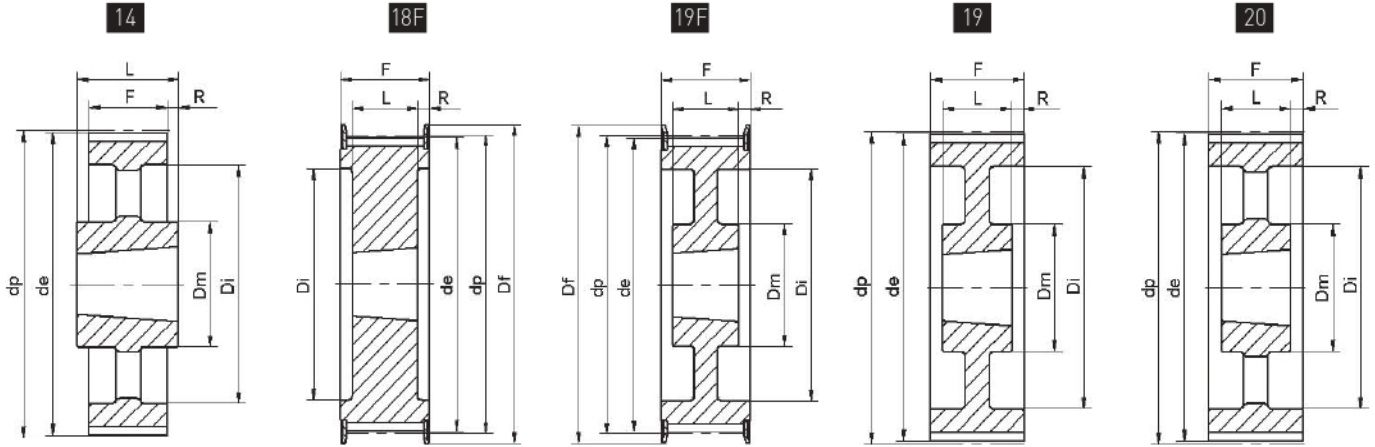
14M-14 mm
14M 40 For Belts 40 mm Wide
Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 28 14M 40	18F	St	28	2012	50	124.78	122.12	127		94	54	32	11	400	2.30
TL 29 14M 40	18F	St	29	2012	50	129.23	126.57	138		96	54	32	11	401	4.21
TL 30 14M 40	18F	St	30	2012	50	133.69	130.99	138		98	54	32	11	401	2.91
TL 32 14M 40	18F	St	32	2012	50	142.60	139.88	154		108	54	32	11	403	3.45
TL 33 14M 40	18F	St	33	2517	60	147.06	144.33	154		108	54	45	4.5	403	3.80
TL 34 14M 40	18F	St	34	2517	60	151.52	148.79	160		110	54	45	4.5	404	4.15
TL 35 14M 40	18F	St	35	2517	60	155.97	153.18	168		120	54	45	4.5	405	4.50
TL 36 14M 40	18F	St	36	2517	60	160.43	157.68	168		120	54	45	4.5	405	4.85
TL 37 14M 40	18F	St	37	2517	60	164.89	162.09	174		125	54	45	4.5	CPT058	5.20
TL 38 14M 40	18F	St	38	2517	60	169.34	166.60	183		130	54	45	4.5	406	5.70
TL 40 14M 40	18F	St	40	2517	60	178.25	175.49	188		138	54	45	4.5	407	6.55
TL 42 14M 40	18F	St	42	2517	60	187.17	184.37	198		146.4	54	45	4.5	409	7.00
TL 44 14M 40	18F	St	44	3020	75	196.08	193.28	211		155	54	51	1.5	411	7.78
TL 45 14M 40	18F	St	45	3020	75	200.54	197.74	211		159	54	51	1.5	411	8.50
TL 48 14M 40	18F	St	48	3020	75	213.90	211.11	226		170	54	51	1.5	412	10.01
TL 50 14M 40	18F	St	50	3020	75	222.82	220.02	240		178	54	51	1.5	414	10.30
TL 52 14M 40	18F	St	52	3020	75	231.73	228.94	240		180	54	51	1.5	414	10.60
TL 56 14M 40	19F	GG	56	3020	75	249.55	246.76	256	170	208	54	51	1.5	416	10.85
TL 64 14M 40	19F	GG	64	3020	75	285.21	282.41	296	170	240	54	51	1.5	418	13.31
TL 72 14M 40	19	GG	72	3020	75	320.86	318.06		170	280	54	51	1.5		14.93
TL 80 14M 40	20	GG	80	3020	75	356.51	353.71		170	315	54	51	1.5		16.00
TL 90 14M 40	20	GG	90	3020	75	401.07	398.28		170	360	54	51	1.5		17.00
TL 112 14M 40	20	GG	112	3020	75	499.11	496.32		170	457	54	51	1.5		22.35
TL 144 14M 40	20	GG	144	3020	75	641.71	638.92		170	600	54	51	1.5		33.20
TL 168 14M 40	20	GG	168	3020	75	748.66	745.87		170	706	54	51	1.5		42.00
TL 192 14M 40	20	GG	192	3020	75	855.62	852.82		170	813	54	51	1.5		47.00
TL 216 14M 40	20	GG	216	3020	75	962.57	959.76		170	920	54	51	1.5		56.00
TL 264 14M 40	14	GG	264	3535	90	1176.47	1173.66		190	1133	54	89	17.5		78.00

14M55

HTD Timing belt pulleys for taper bushes(P.42~P.52)

HTD Timing belt pulleys
 • 14M40
 • 14M55

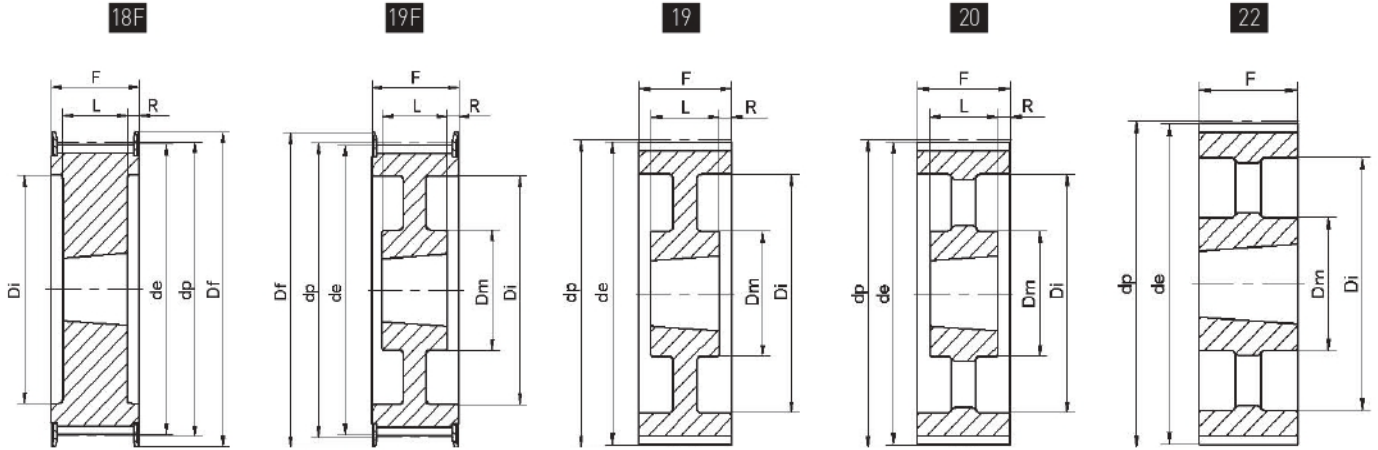


14M-14 mm
14M 55 For Belts 55 mm Wide
Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 28 14M 55	18F	St	28	2012	50	124.78	122.12	127		94	70	32	19	400	2.71
TL 29 14M 55	18F	St	29	2012	50	129.23	126.57	138		96	70	32	19	401	3.11
TL 30 14M 55	18F	St	30	2517	60	133.69	130.99	138		100	70	45	12.5	401	3.14
TL 31 14M 55	18F	St	31	2517	60	138.15	135.43	146		104	70	45	12.5	402	3.50
TL 32 14M 55	18F	St	32	2517	60	142.60	139.88	154		108	70	45	12.5	403	3.96
TL 33 14M 55	18F	St	33	2517	60	147.06	144.33	154		108	70	45	12.5	403	4.50
TL 34 14M 55	18F	St	34	2517	60	151.52	148.79	160		110	70	45	12.5	404	5.00
TL 35 14M 55	18F	St	35	2517	60	155.97	153.18	168		115	70	45	12.5	405	5.30
TL 36 14M 55	18F	St	36	2517	60	160.43	157.68	168		120	70	45	12.5	405	5.65
TL 38 14M 55	18F	St	38	2517	60	169.34	166.60	183		130	70	45	12.5	406	6.60
TL 40 14M 55	18F	St	40	2517	60	178.25	175.49	188		138	70	45	12.5	407	7.45
TL 42 14M 55	18F	St	42	3020	75	187.17	184.37	198		146.4	70	51	9.5	409	7.63
TL 44 14M 55	18F	St	44	3020	75	196.08	193.28	211		155	70	51	9.5	411	8.80
TL 45 14M 55	18F	St	45	3020	75	200.54	197.74	211		159	70	51	9.5	411	9.30
TL 48 14M 55	18F	St	48	3020	75	213.90	211.11	226		170	70	51	9.5	412	11.25
TL 50 14M 55	18F	St	50	3020	75	222.82	220.03	240		178	70	51	9.5	414	12.76
TL 52 14M 55	18F	St	52	3020	75	231.73	228.94	240		180	70	51	9.5	414	13.00
TL 56 14M 55	18F	GG	56	3020	75	249.55	246.76	256		208	70	51	9.5	416	13.50
TL 64 14M 55	19F	GG	64	3020	75	285.21	282.41	296	170	240	70	51	9.5	418	15.80
TL 72 14M 55	19	GG	72	3020	75	320.86	318.06		170	280	70	51	9.5		17.30
TL 80 14M 55	20	GG	80	3020	75	356.51	353.71		170	315	70	51	9.5		19.30
TL 90 14M 55	20	GG	90	3020	75	401.07	398.28		170	360	70	51	9.5		20.70
TL 96 14M 55	20	GG	96	3020	75	427.81	425.02		170	386	70	51	9.5		21.00
TL 112 14M 55	20	GG	112	3020	75	499.11	496.32		170	457	70	51	9.5		26.83
TL 144 14M 55	20	GG	144	3020	75	641.71	638.92		170	600	70	51	9.5		38.00
TL 168 14M 55	20	GG	168	3020	75	748.66	745.87		170	706	70	51	9.5		51.00
TL 192 14M 55	20	GG	192	3020	75	855.62	852.82		170	813	70	51	9.5		62.00
TL 216 14M 55	14	GG	216	3535	90	962.57	959.78		190	920	70	89	9.5		76.00
TL 264 14M 55	14	GG	264	3535	90	1176.47	1173.66		190	1133	70	89	9.5		98.00
TL 272 14M 55	14	GG	272	3535	90	1212.11	1209.34		190	1168	70	89	9.5		105.00

14M85

HTD Timing belt pulleys for taper bushes(P.42~P.52)



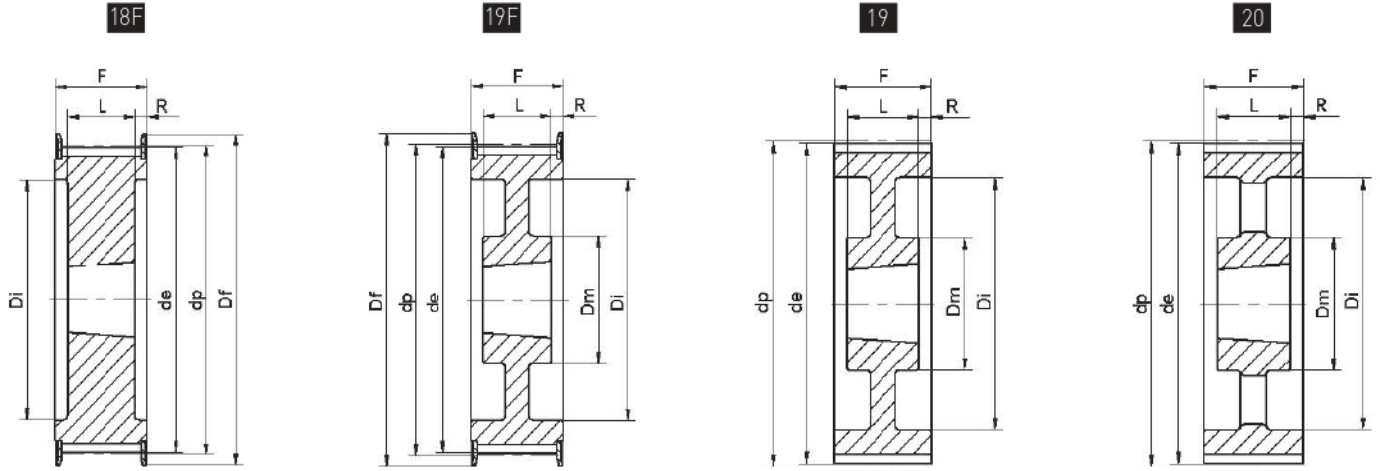
14M-14 mm
14M 85 For Belts 85 mm Wide
Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 28 14M 85	18F	St	28	2517	60	124.78	122.12	127		94	102	45	28.5	400	2.97
TL 29 14M 85	18F	St	29	2517	60	129.23	126.57	138		100	102	45	28.5	401	3.40
TL 30 14M 85	18F	St	30	2517	60	133.69	130.99	138		100	102	45	28.5	401	4.18
TL 32 14M 85	18F	St	32	2517	60	142.60	139.88	154		108	102	45	28.5	403	5.09
TL 33 14M 85	18F	St	33	2517	60	147.06	144.33	154		108	102	45	28.5	403	5.80
TL 34 14M 85	18F	St	34	2517	60	151.52	148.79	160		110	102	45	28.5	404	6.45
TL 35 14M 85	18F	St	35	2517	60	155.97	153.18	168		120	102	45	28.5	405	7.33
TL 36 14M 85	18F	St	36	3020	75	160.43	157.68	168		125	102	51	25.5	405	5.85
TL 38 14M 85	18F	St	38	3020	75	169.34	166.60	183		130	102	51	25.5	406	7.27
TL 40 14M 85	18F	St	40	3020	75	178.25	175.49	188		138	102	51	25.5	407	8.62
TL 42 14M 85	18F	St	42	3020	75	187.16	184.37	198		146.4	102	51	25.5	409	9.50
TL 44 14M 85	18F	St	44	3030	75	196.08	193.28	211		155	102	76	13	411	12.99
TL 45 14M 85	18F	St	45	3030	75	200.53	197.74	211		159	102	76	13	411	13.85
TL 48 14M 85	18F	St	48	3030	75	213.90	211.11	226		170	102	76	13	412	16.50
TL 52 14M 85	18F	St	52	3525	90	231.73	228.94	240		180	102	65	18.5	414	17.86
TL 56 14M 85	18F	GG	56	3525	90	249.55	246.76	256		210	102	65	18.5	416	18.50
TL 64 14M 85	19F	GG	64	3525	90	285.21	282.41	296	190	240	102	65	18.5	418	21.30
TL 65 14M 85	19F	GG	65	3525	90	289.66	286.87	296	190	240	102	65	18.5	418	22.00
TL 68 14M 85	19	GG	68	3525	90	303.03	300.24		190	262	102	65	18.5		23.00
TL 72 14M 85	19	GG	72	3525	90	320.86	318.06		190	280	102	65	18.5		24.40
TL 80 14M 85	20	GG	80	3525	90	356.51	353.71		190	315	102	65	18.5		25.00
TL 90 14M 85	20	GG	90	3525	90	401.07	398.28		190	360	102	65	18.5		27.50
TL 112 14M 85	20	GG	112	3525	90	499.11	496.32		190	457	102	65	18.5		35.70
TL 144 14M 85	20	GG	144	3525	90	641.71	638.92		190	600	102	65	18.5		47.10
TL 168 14M 85	20	GG	168	3525	90	748.66	745.87		190	706	102	65	18.5		62.30
TL 192 14M 85	22	GG	192	4040	100	855.62	852.82		230	813	102	102			85.00
TL 216 14M 85	22	GG	216	4040	100	962.57	959.78		230	920	102	102			101.00
TL 231 14M 85	22	GG	231	4040	100	1029.40	1026.60		230	986	102	102			125.00
TL 264 14M 85	22	GG	264	4040	100	1176.47	1173.66		230	1133	102	102			150.00

14M115

HTD Timing belt pulleys for taper bushes(P.42~P.52)

HTD Timing belt pulleys
 • 14M85
 • 14M115

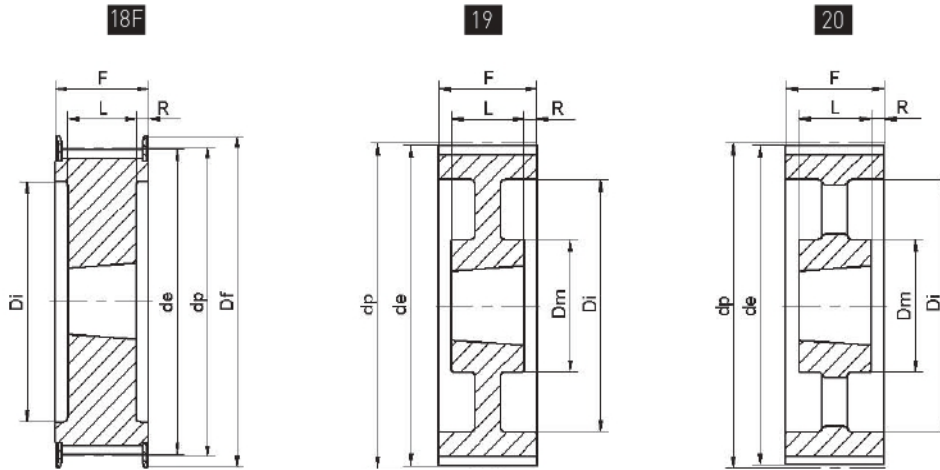


14M-14 mm
14M 115 For Belts 115 mm Wide
Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 28 14M 115	18F	St	28	2517	60	124.78	122.12	127		94	133	45	44	400	3.65
TL 29 14M 115	18F	St	29	2517	60	129.23	126.57	138		96	133	45	44	401	5.08
TL 30 14M 115	18F	St	30	2517	60	133.69	130.99	138		100	133	45	44	401	5.18
TL 31 14M 115	18F	St	31	2517	60	138.15	135.43	146		104	133	45	44	402	5.75
TL 32 14M 115	18F	St	32	2517	60	142.60	139.88	154		108	133	45	44	403	6.23
TL 33 14M 115	18F	St	33	2517	60	147.06	144.33	154		108	133	45	44	403	7.00
TL 34 14M 115	18F	St	34	2517	60	151.52	148.79	160		110	133	45	44	404	7.90
TL 35 14M 115	18F	St	35	3020	75	155.97	153.18	168		120	133	51	41	405	7.33
TL 36 14M 115	18F	St	36	3020	75	160.43	157.68	168		125	133	51	41	405	7.16
TL 38 14M 115	18F	St	38	3020	75	169.34	166.60	183		130	133	51	41	406	8.90
TL 40 14M 115	18F	St	40	3020	75	178.25	175.49	188		138	133	51	41	407	10.10
TL 42 14M 115	18F	St	42	3030	75	187.16	184.37	200		150	133	76	28.5	410	13.00
TL 44 14M 115	18F	St	44	3030	75	196.08	193.28	211		155	133	76	28.5	411	15.61
TL 45 14M 115	18F	St	45	3030	75	200.54	197.74	211		159	133	76	28.5	411	16.08
TL 48 14M 115	18F	St	48	3030	75	213.90	211.11	226		170	133	76	28.5	412	19.00
TL 50 14M 115	18F	St	50	3535	90	222.82	220.02	240		178	133	89	22	414	20.45
TL 52 14M 115	18F	St	52	3535	90	231.73	228.94	240		180	133	89	22	414	26.01
TL 56 14M 115	18F	GG	56	3535	90	249.55	246.76	256		210	133	89	22	416	24.70
TL 60 14M 115	18F	GG	60	3535	90	267.38	264.59	281.1		224	133	89	22	CPT046	26.00
TL 64 14M 115	19F	GG	64	3535	90	285.21	282.41	296	190	240	133	89	22	418	28.00
TL 72 14M 115	19	GG	72	3535	90	320.86	318.06		190	280	133	89	22		30.50
TL 80 14M 115	20	GG	80	3535	90	356.51	353.71		190	315	133	89	22		31.90
TL 90 14M 115	20	GG	90	3535	90	401.07	398.28		190	360	133	89	22		36.20
TL 112 14M 115	20	GG	112	3535	90	499.11	496.32		190	457	133	89	22		46.60
TL 144 14M 115	20	GG	144	4040	100	641.71	638.92		230	600	133	102	15.5		71.50
TL 168 14M 115	20	GG	168	4040	100	748.66	745.87		230	706	133	102	15.5		95.70
TL 178 14M 115	20	GG	178	4040	100	793.23	790.43		230	751	133	102	15.5		105.00
TL 192 14M 115	20	GG	192	4040	100	855.62	852.82		230	813	133	102	15.5		116.00
TL 216 14M 115	20	GG	216	4040	100	962.57	959.78		230	920	133	102	15.5		130.00

14M170

HTD Timing belt pulleys for taper bushes(P.42-P.52)



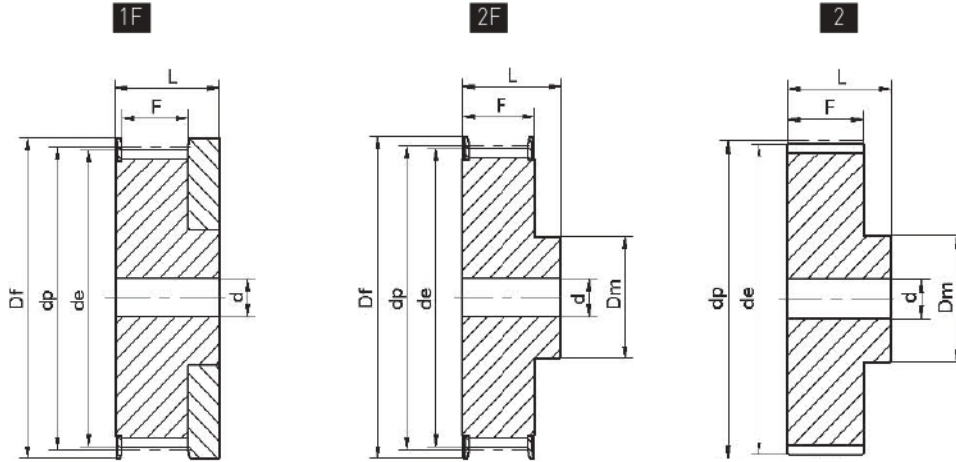
14M-14 mm
14M 170 For Belts 170 mm Wide
Taper Bushed Type

Product Model	TYPE	MATEL	Z	BUSH	Max Bore	dp	de	Df	Dm	Di	F	L	R	FLANG	Weight (kg)
TL 35 14M 170	18F	St	35	3030	75	155.97	153.18	168		120	187	76	55.5	405	11.50
TL 36 14M 170	18F	St	36	3030	75	160.43	157.68	168		125	187	76	55.5	405	12.00
TL 38 14M 170	18F	St	38	3030	75	169.34	166.60	183		130	187	76	55.5	406	12.96
TL 40 14M 170	18F	St	40	3030	75	178.25	175.49	188		138	187	76	55.5	407	14.60
TL 42 14M 170	18F	St	42	3535	100	187.16	184.37	200		150	187	89	49	410	16.00
TL 44 14M 170	18F	St	44	3535	100	196.08	193.28	211		153	187	89	49	411	17.75
TL 45 14M 170	18F	St	45	3535	100	200.54	197.74	211		159	187	89	49	411	19.00
TL 48 14M 170	18F	St	48	3535	100	213.90	211.11	226		170	187	89	49	412	22.40
TL 50 14M 170	18F	St	50	3535	100	222.82	220.02	240		178	187	89	49	414	27.00
TL 56 14M 170	18F	St	56	3535	100	249.55	246.76	256		208	187	89	49	416	31.92
TL 60 14M 170	18F	GG	60	4040	115	267.38	264.59	281.1		224	187	102	42.5	CPT046	36.00
TL 64 14M 170	18F	GG	64	4040	115	285.21	282.41	296		240	187	102	42.5	418	40.80
TL 72 14M 170	19	GG	72	4040	115	320.86	318.06		230	280	187	102	42.5		43.50
TL 80 14M 170	19	GG	80	4040	115	356.51	353.71		230	315	187	102	42.5		50.60
TL 90 14M 170	20	GG	90	4040	115	401.07	398.28		230	360	187	102	42.5		51.20
TL 112 14M 170	20	GG	112	5050	125	499.11	496.32		265	457	187	127	30		75.00
TL 144 14M 170	20	GG	144	5050	125	641.71	638.92		265	600	187	127	30		96.50
TL 168 14M 170	20	GG	168	5050	125	748.66	745.87		265	706	187	127	30		120.60
TL 192 14M 170	20	GG	192	5050	125	855.62	852.82		265	813	187	127	30		143.00
TL 216 14M 170	20	GG	216	5050	125	962.57	959.78		265	920	187	127	30		158.00

T2.5-16

T Timing belt pulleys(P.53-P.60)

HTD Timing belt pulleys
 • 1.4M 170
 T Timing belt pulleys
 • T2.5-16

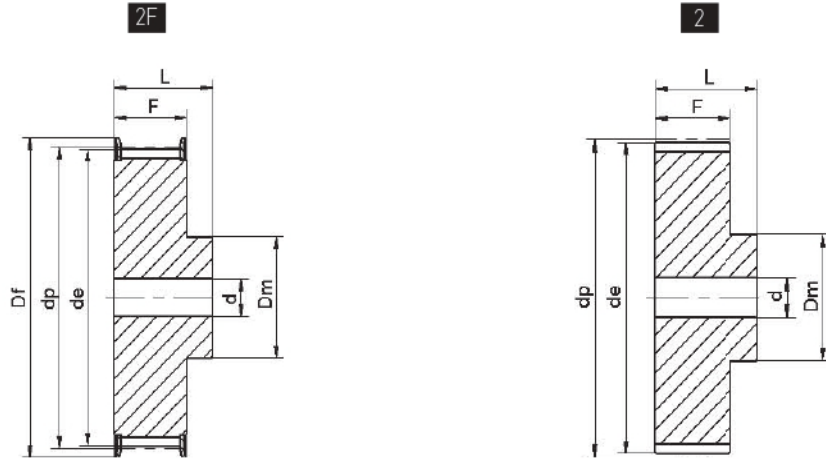


T2.5-2.5 mm
 T2.5-16 For Belts 6 mm Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	de	Df	Dm	F	L	d	FLANG	Weight (kg)
16 T2.5 12	1F	AL	12	9.00	13		9	16		100	0.01
16 T2.5 14	1F	AL	14	10.60	15		9	16		101	0.01
16 T2.5 15	1F	AL	15	11.40	15		9	16		101	0.01
16 T2.5 16	1F	AL	16	12.20	16		9	16		102	0.01
16 T2.5 18	2F	AL	18	13.80	18	10	10	16	3	104	0.01
16 T2.5 19	2F	AL	19	14.60	18	10	10	16	3	104	0.01
16 T2.5 20	2F	AL	20	15.40	19.5	11	10	16	3	105	0.01
16 T2.5 22	2F	AL	22	17.00	23	11	10	16	3	106	0.01
16 T2.5 24	2F	AL	24	18.55	23	12	10	16	3	107	0.01
16 T2.5 25	2F	AL	25	19.35	23	13	10	16	3	107	0.01
16 T2.5 26	2F	AL	26	20.15	25	14	10	16	4	108	0.01
16 T2.5 28	2F	AL	28	21.75	25	14	10	16	4	108	0.02
16 T2.5 30	2F	AL	30	23.35	28	16	10	16	6	109	0.02
16 T2.5 32	2F	AL	32	24.95	32	16	10	16	6	110	0.02
16 T2.5 36	2F	AL	36	28.10	36	20	10	16	6	111	0.03
16 T2.5 40	2F	AL	40	31.30	38	22	10	16	6	112	0.03
16 T2.5 42	2F	AL	42	32.90	42	24	10	16	6	113	0.04
16 T2.5 44	2	AL	44	34.50		24	10	16	6		0.04
16 T2.5 48	2	AL	48	37.70		26	10	16	6		0.05
16 T2.5 60	2	AL	60	47.25		34	10	16	8		0.07

T5-21

T Timing belt pulleys(P.53-P.60)



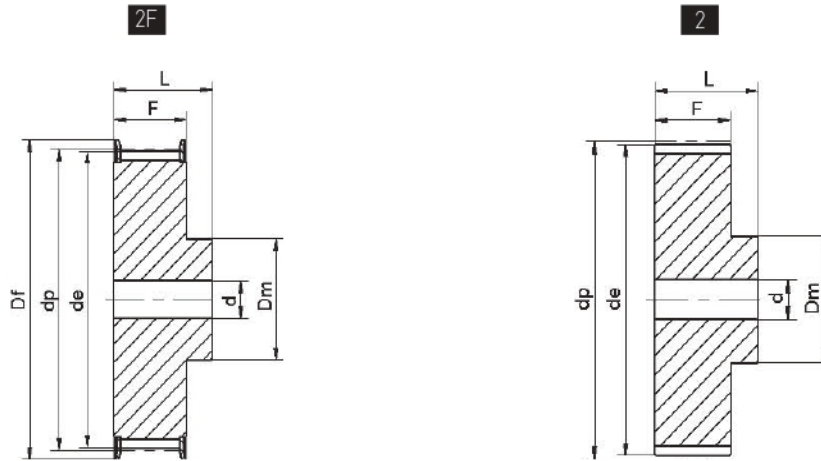
T5-5 mm
T5-21 For Belts 10 mm Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	de	Df	Dm	F	L	d	FLANG	Weight (kg)
21 T5 10	2F	AL	10	15.05	19.5	8	15	21		200	0.01
21 T5 12	2F	AL	12	18.25	23	10	15	21		201	0.02
21 T5 14	2F	AL	14	21.45	25	13	15	21		203	0.02
21 T5 15	2F	AL	15	23.05	28	16	15	21		204	0.03
21 T5 16	2F	AL	16	24.60	32	18	15	21		205	0.03
21 T5 17	2F	AL	17	26.06	32	19	15	21		205	0.03
21 T5 18	2F	AL	18	27.80	32	20	15	21		205	0.04
21 T5 19	2F	AL	19	29.40	36	22	15	21		206	0.04
21 T5 20	2F	AL	20	31.00	36	23	15	21		206	0.04
21 T5 21	2F	AL	21	32.42	38	24	15	21		207	0.04
21 T5 22	2F	AL	22	34.25	38	24	15	21		207	0.05
21 T5 24	2F	AL	24	37.40	42	26	15	21		208	0.05
21 T5 25	2F	AL	25	38.95	44	26	15	21		209	0.06
21 T5 26	2F	AL	26	40.60	44	26	15	21		209	0.06
21 T5 27	2F	AL	27	42.20	48	30	15	21	8	210	0.07
21 T5 28	2F	AL	28	43.75	48	32	15	21	8	210	0.07
21 T5 30	2F	AL	30	46.95	51	34	15	21	8	211	0.09
21 T5 32	2F	AL	32	50.10	54	38	15	21	8	212	0.10
21 T5 36	2F	AL	36	56.45	63	38	15	21	8	215	0.13
21 T5 40	2F	AL	40	62.85	66	40	15	21	8	216	0.15
21 T5 42	2F	AL	42	66.00	71	40	15	21	8	217	0.18
21 T5 44	2	AL	44	69.20		45	15	21	8		0.18
21 T5 48	2	AL	48	75.55		50	15	21	8		0.20
21 T5 60	2	AL	60	94.65		65	15	21	8		0.33

T5-27

T Timing belt pulleys(P.53-P.60)

T Timing belt pulleys
 ● T5-21
 ● T5-27

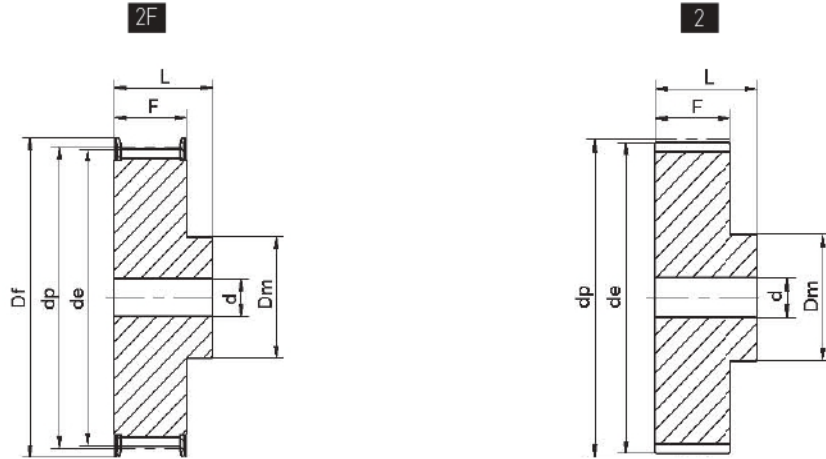


T5-5 mm
T5-27 For Belts 16 mm Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	de	Df	Dm	F	L	d	FLANG	Weight (kg)
27 T5 10	2F	AL	10	15.05	19.5	8	21	27		200	0.01
27 T5 12	2F	AL	12	18.25	23	10	21	27		201	0.02
27 T5 13	2F	AL	13	19.85	25	13	21	27		203	0.02
27 T5 14	2F	AL	14	21.45	25	13	21	27		203	0.03
27 T5 15	2F	AL	15	23.05	28	16	21	27		204	0.03
27 T5 16	2F	AL	16	24.60	32	18	21	27		205	0.03
27 T5 18	2F	AL	18	27.80	32	20	21	27		205	0.04
27 T5 19	2F	AL	19	29.40	36	22	21	27		206	0.05
27 T5 19	2F	AL	20	31.00	36	23	21	27		206	0.05
27 T5 20	2F	AL	21	32.55	38	24	21	27		207	0.06
27 T5 21	2F	AL	22	34.25	38	24	21	27		207	0.06
27 T5 23	2F	AL	23	35.75	42	25	21	27		208	0.08
27 T5 23	2F	AL	24	37.40	42	26	21	27		208	0.08
27 T5 24	2F	AL	25	38.95	44	26	21	27		209	0.08
27 T5 25	2F	AL	26	40.60	44	26	21	27		209	0.09
27 T5 27	2F	AL	27	42.20	48	30	21	27	8	210	0.09
27 T5 28	2F	AL	28	43.75	48	32	21	27	8	210	0.10
27 T5 30	2F	AL	30	46.95	51	34	21	27	8	211	0.11
27 T5 32	2F	AL	32	50.10	54	38	21	27	8	212	0.13
27 T5 35	2F	AL	35	54.85	60	38	21	27	8	214	0.15
27 T5 36	2F	AL	36	56.45	63	38	21	27	8	215	0.16
27 T5 38	2F	AL	38	59.65	66	40	21	27	8	216	0.17
27 T5 40	2F	AL	40	62.85	66	40	21	27	8	216	0.20
27 T5 42	2F	AL	42	66.00	71	40	21	27	8	217	0.22
27 T5 44	2	AL	44	69.20		45	21	27	8		0.22
27 T5 45	2	AL	45	70.80		45	21	27	8		0.24
27 T5 48	2	AL	48	75.55		50	21	27	8		0.28
27 T5 54	2	AL	54	84.94		55	21	27	8		0.35
27 T5 60	2	AL	60	94.65		65	21	27	8		0.43

T5-36

T Timing belt pulleys(P.53-P.60)



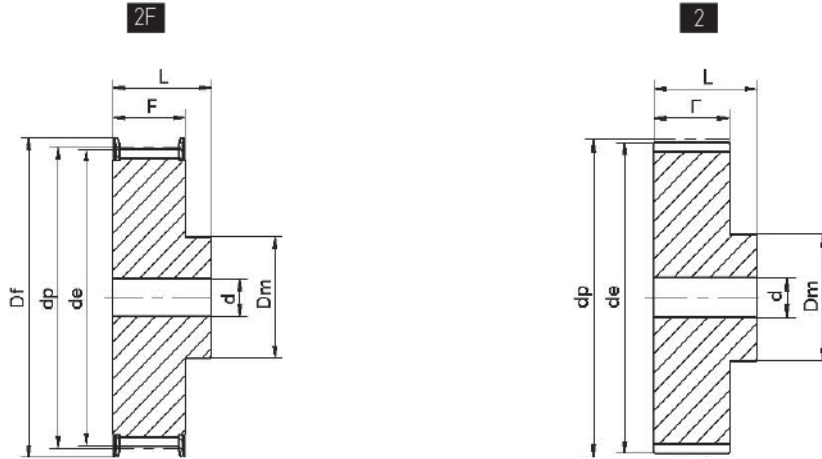
T5-5 mm
T5-36 For Belts 25 mm Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	de	Df	Dm	F	L	d	FLANG	Weight (kg)
36 T5 10	2F	Al	10	15.05	19.5	8	30	36		200	0.02
36 T5 12	2F	Al	12	18.25	23	10	30	36		201	0.03
36 T5 14	2F	Al	14	21.45	25	13	30	36		203	0.04
36 T5 15	2F	Al	15	23.05	28	16	30	36		204	0.04
36 T5 16	2F	Al	16	24.60	32	18	30	36		205	0.05
36 T5 18	2F	Al	18	27.80	32	20	30	36		205	0.06
36 T5 19	2F	Al	19	29.40	36	22	30	36		206	0.07
36 T5 20	2F	Al	20	31.00	36	23	30	36		206	0.08
36 T5 22	2F	Al	22	34.25	38	24	30	36		207	0.08
36 T5 24	2F	Al	24	37.40	42	26	30	36		208	0.11
36 T5 25	2F	Al	25	38.95	44	26	30	36		209	0.12
36 T5 26	2F	Al	26	40.60	44	26	30	36		209	0.12
36 T5 27	2F	Al	27	42.20	48	30	30	36	8	210	0.13
36 T5 28	2F	Al	28	43.75	48	32	30	36	8	210	0.14
36 T5 30	2F	Al	30	46.95	51	34	30	36	8	211	0.15
36 T5 32	2F	Al	32	50.10	54	38	30	36	8	212	0.18
36 T5 36	2F	Al	36	56.45	63	38	30	36	8	215	0.23
36 T5 40	2F	Al	40	62.85	66	40	30	36	8	216	0.28
36 T5 42	2F	Al	42	66.00	71	40	30	36	8	217	0.30
36 T5 44	2	Al	44	69.20		45	30	36	8		0.31
36 T5 48	2	Al	48	75.55		50	30	36	8		0.40
36 T5 60	2	Al	60	94.65		65	30	36	8		0.61

T10-31

T Timing belt pulleys(P.53-P.60)

T Timing belt pulleys
 ●T5-36
 ●T10-31

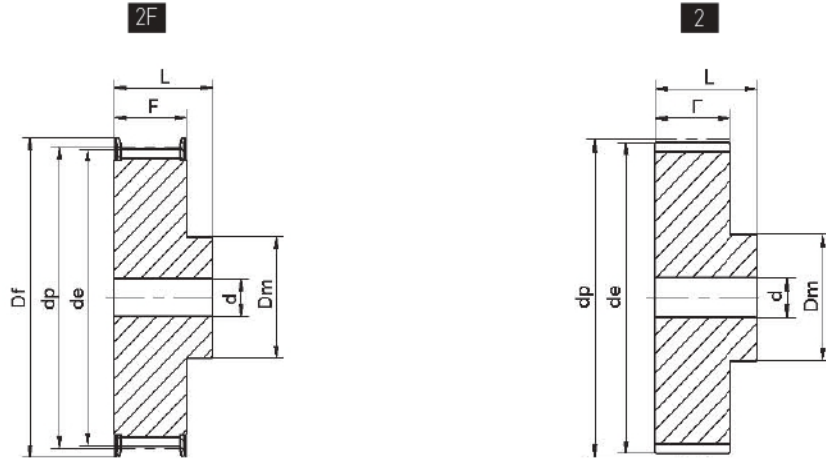


T10-10 mm
 T10-31 For Belts 16 mm Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	de	Df	Dm	F	L	d	FLANG	Weight (kg)
31 T10 12	2F	Al	12	36.35	42	28	21	31	6	208	0.08
31 T10 14	2F	Al	14	42.70	48	32	21	31	8	210	0.1
31 T10 15	2F	Al	15	45.90	51	32	21	31	8	211	0.12
31 T10 16	2F	Al	16	49.10	54	35	21	31	8	212	0.13
31 T10 17	2F	Al	17	52.25	57	38	21	31	8	213	0.15
31 T10 18	2F	Al	18	55.45	60	40	21	31	8	214	0.18
31 T10 19	2F	Al	19	58.65	66	44	21	31	8	216	0.21
31 T10 20	2F	Al	20	61.80	66	46	21	31	8	216	0.21
31 T10 22	2F	Al	22	68.20	75	52	21	31	8	218	0.27
31 T10 24	2F	Al	24	74.55	83	58	21	31	8	219	0.33
31 T10 25	2F	Al	25	77.75	83	60	21	31	8	219	0.34
31 T10 26	2F	Al	26	80.90	87	60	21	31	8	220	0.37
31 T10 27	2F	Al	27	84.10	91	60	21	31	8	221	0.4
31 T10 28	2F	Al	28	87.25	93	60	21	31	8	222	0.41
31 T10 30	2F	Al	30	93.65	97	60	21	31	8	223	0.46
31 T10 32	2F	Al	32	100.00	106	65	21	31	10	224	0.53
31 T10 36	2F	Al	36	112.75	119	70	21	31	10	225	0.8
31 T10 40	2F	Al	40	125.45	131	80	21	31	10	226	0.84
31 T10 44	2	Al	44	138.20		88	21	31	10		0.97
31 T10 45	2	Al	45	141.20		90	21	31	16		1.1
31 T10 48	2	Al	48	150.95		95	21	31	16		1.16
31 T10 60	2	Al	60	189.15		110	21	31	16		1.8

T10-40

T Timing belt pulleys(P.53-P.60)



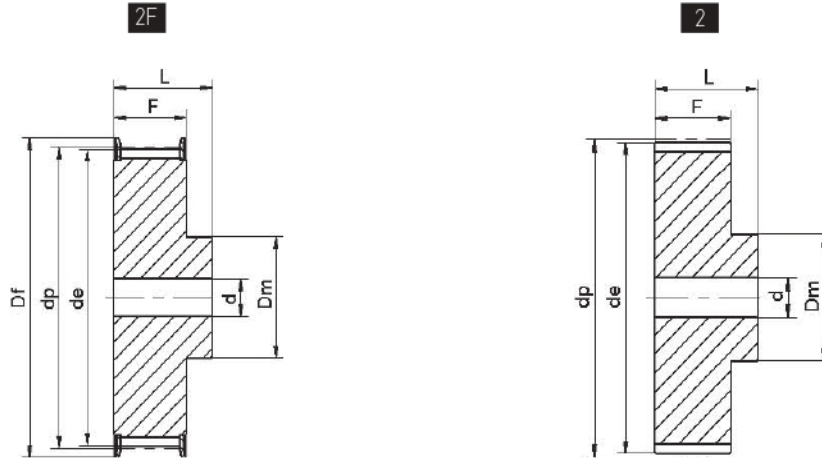
T10-10 mm
 T10-40 For Belts 25 mm Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	de	Df	Dm	F	L	d	FLANG	Weight (kg)
40 T10 12	2F	Al	12	36.35	42	28	30	40	6	208	0.10
40 T10 14	2F	Al	14	42.70	48	32	30	40	8	210	0.13
40 T10 15	2F	Al	15	45.90	51	32	30	40	8	211	0.15
40 T10 16	2F	Al	16	49.10	54	35	30	40	8	212	0.18
40 T10 18	2F	Al	18	55.45	60	40	30	40	8	214	0.22
40 T10 19	2F	Al	19	58.65	66	44	30	40	8	216	0.25
40 T10 20	2F	Al	20	61.80	66	46	30	40	8	216	0.29
40 T10 21	2F	Al	21	65.00	71	49	30	40	8	217	0.30
40 T10 22	2F	Al	22	68.20	75	52	30	40	8	218	0.35
40 T10 24	2F	Al	24	74.55	83	58	30	40	8	219	0.41
40 T10 25	2F	Al	25	77.75	83	60	30	40	8	219	0.45
40 T10 26	2F	Al	26	80.90	87	60	30	40	8	220	0.49
40 T10 27	2F	Al	27	84.10	91	60	30	40	8	221	0.53
40 T10 28	2F	Al	28	87.25	93	60	30	40	8	222	0.55
40 T10 30	2F	Al	30	93.65	97	60	30	40	8	223	0.61
40 T10 32	2F	Al	32	100.00	106	65	30	40	10	224	0.70
40 T10 34	2F	Al	34	106.40		70	30	40	10		0.82
40 T10 36	2F	Al	36	112.75	119	70	30	40	10	225	0.89
40 T10 40	2F	Al	40	125.45	131	80	30	40	10	226	1.11
40 T10 44	2	Al	44	138.20		88	30	40	10		1.32
40 T10 48	2	Al	48	150.95		95	30	40	16		1.56
40 T10 57	2	Al	57	179.60		110	30	40	16		2.20
40 T10 60	2	Al	60	189.15		110	30	40	16		2.44

T10-47

T/AT Timing belt pulleys(P.53~P.60)

T Timing belt pulleys
 • T10-40
 • T10-47

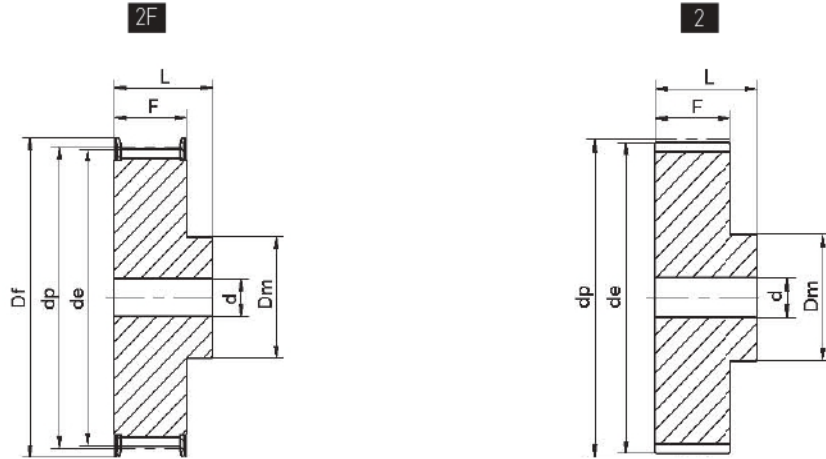


T10-10 mm
 T10-47 For Belts 32 mm Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	de	Df	Dm	F	L	d	FLANG	Weight (kg)
47 T10 18	2F	Al	18	55.45	60	40	37	47	10	214	0.25
47 T10 19	2F	Al	19	58.65	66	44	37	47	10	216	0.29
47 T10 20	2F	Al	20	61.80	66	46	37	47	12	216	0.32
47 T10 22	2F	Al	22	68.20	75	52	37	47	12	218	0.40
47 T10 24	2F	Al	24	74.55	83	58	37	47	12	219	0.47
47 T10 25	2F	Al	25	77.75	83	60	37	47	12	219	0.52
47 T10 26	2F	Al	26	80.90	87	60	37	47	12	220	0.57
47 T10 27	2F	Al	27	84.10	91	60	37	47	12	221	0.60
47 T10 28	2F	Al	28	87.25	93	60	37	47	12	222	0.64
47 T10 30	2F	Al	30	93.65	97	60	37	47	12	223	0.74
47 T10 32	2F	Al	32	100.00	106	65	37	47	12	224	0.84
47 T10 36	2F	Al	36	112.75	119	70	37	47	16	225	1.06
47 T10 40	2F	Al	40	125.45	131	80	37	47	16	226	1.32
47 T10 44	2	Al	44	138.20		88	37	47	16		1.55
47 T10 48	2	Al	48	150.95		95	37	47	16		1.60
47 T10 60	2	Al	60	189.10		110	37	47	16		2.95

T10-66

T Timing belt pulleys(P.53~P.60)

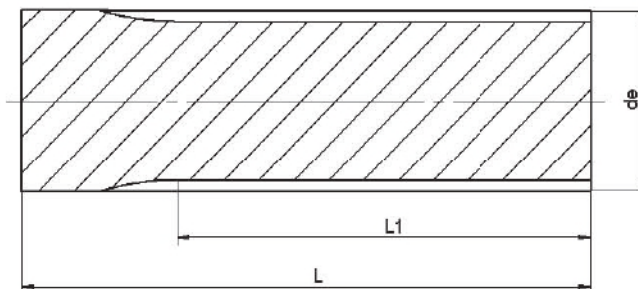


T10-10 mm
 T10-66 For Belts 50 mm Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	de	Df	Dm	F	L	d	FLANG	Weight (kg)
66 T10 18	2F	Al	18	55.45	60	40	56	66	10	214	0.34
66 T10 19	2F	Al	19	58.65	66	44	56	66	10	216	0.42
66 T10 20	2F	Al	20	61.80	66	46	56	66	12	216	0.46
66 T10 22	2F	Al	22	68.20	75	52	56	66	12	218	0.59
66 T10 24	2F	Al	24	74.55	83	58	56	66	12	219	0.68
66 T10 25	2F	Al	25	77.75	83	60	56	66	12	219	0.73
66 T10 26	2F	Al	26	80.90	87	60	56	66	12	220	0.80
66 T10 27	2F	Al	27	84.10	91	60	56	66	12	221	0.86
66 T10 28	2F	Al	28	87.25	93	60	56	66	12	222	0.91
66 T10 30	2F	Al	30	93.65	97	60	56	66	12	223	1.05
66 T10 32	2F	Al	32	100.00	106	65	56	66	12	224	1.20
66 T10 36	2F	Al	36	112.75	119	70	56	66	16	225	1.52
66 T10 40	2F	Al	40	125.45	131	80	56	66	16	226	1.90
66 T10 44	2	Al	44	138.20		88	56	66	16		2.29
66 T10 48	2	Al	48	150.95		95	56	66	16		2.74
66 T10 60	2	Al	60	189.10		110	56	66	16		4.32

T Timing belt bars (P.61~P.62)

T Timing belt pulleys
 • T10-66
 T Timing belt bars



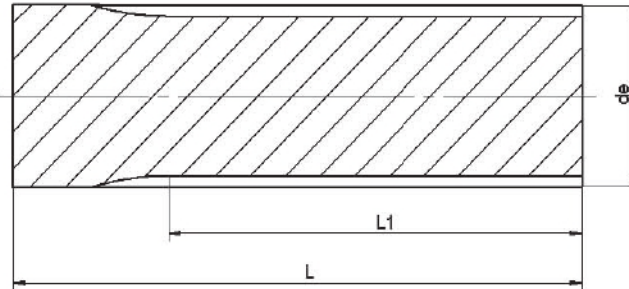
T2.5-2.5 mm MATEL:Al

T5-5 mm MATEL:Al

Product Model	Z	de	L1	L	Weight (kg)
T2.5 10	10	7.42	50	75	0.01
T2.5 12	12	9.00	50	75	0.01
T2.5 13	13	9.80	50	75	0.02
T2.5 14	14	10.60	50	75	0.02
T2.5 15	15	11.40	75	75	0.02
T2.5 16	16	12.20	75	75	0.02
T2.5 17	17	13.00	75	75	0.03
T2.5 18	18	13.80	75	75	0.03
T2.5 19	19	14.60	120	120	0.05
T2.5 20	20	15.40	120	120	0.05
T2.5 21	21	16.20	120	120	0.06
T2.5 22	22	17.00	140	140	0.08
T2.5 24	24	18.55	140	140	0.09
T2.5 26	26	20.15	140	140	0.12
T2.5 27	27	20.95	140	140	0.13
T2.5 28	28	21.75	140	140	0.14
T2.5 29	29	22.55	140	140	0.15
T2.5 30	30	23.35	140	140	0.15
T2.5 32	32	24.95	140	140	0.18
T2.5 34	34	26.55	140	140	0.21
T2.5 35	35	27.35	140	140	0.21
T2.5 36	36	28.10	140	140	0.22
T2.5 38	38	29.70	140	140	0.26
T2.5 40	40	31.30	140	140	0.27
T2.5 42	42	32.90	140	140	0.32
T2.5 44	44	34.50	140	140	0.33
T2.5 45	45	35.30	140	140	0.37
T2.5 48	48	37.70	140	140	0.40
T2.5 50	50	39.29	160	160	0.52
T2.5 60	60	47.25	160	160	0.72
T2.5 65	65	51.20	160	160	0.87
T2.5 70	70	55.20	160	160	1.05
T2.5 72	72	56.80	160	160	1.11
T2.5 90	90	71.12	160	160	1.75
T2.5 100	100	79.08	160	160	2.18

Product Model	Z	de	L1	L	Weight (kg)
T5 10	10	15.05	140	140	0.06
T5 11	11	16.65	140	140	0.07
T5 12	12	18.25	140	140	0.09
T5 13	13	19.85	140	140	0.10
T5 14	14	21.45	140	140	0.12
T5 15	15	23.05	140	140	0.14
T5 16	16	24.60	140	140	0.16
T5 17	17	26.20	140	140	0.19
T5 18	18	27.80	140	140	0.21
T5 19	19	29.40	140	140	0.24
T5 20	20	31.00	160	160	0.31
T5 21	21	32.70	160	160	0.33
T5 22	22	34.25	160	160	0.36
T5 23	23	35.85	160	160	0.39
T5 24	24	37.40	160	160	0.43
T5 25	25	38.95	160	160	0.47
T5 26	26	40.60	160	160	0.51
T5 27	27	42.20	160	160	0.55
T5 28	28	43.75	160	160	0.60
T5 29	29	45.35	160	160	0.65
T5 30	30	46.95	160	160	0.70
T5 32	32	50.10	160	160	0.80
T5 34	34	53.25	160	160	0.91
T5 35	35	54.85	160	160	0.98
T5 36	36	56.45	160	160	1.02
T5 37	37	58.06	160	160	1.08
T5 38	38	59.65	160	160	1.14
T5 40	40	62.85	160	160	1.27
T5 42	42	66.00	160	160	1.41
T5 44	44	69.20	160	160	1.55
T5 45	45	70.80	160	160	1.63
T5 46	46	72.40	160	160	1.69
T5 48	48	75.55	160	160	1.85
T5 50	50	78.75	160	160	2.02
T5 60	60	94.65	160	160	2.95
T5 72	72	113.75	160	160	4.28
T5 80	80	126.48	160	160	5.39
T5 90	90	142.40	160	160	6.76
T5 100	100	158.31	160	160	8.34

T Timing belt bars (P.61-P.62)



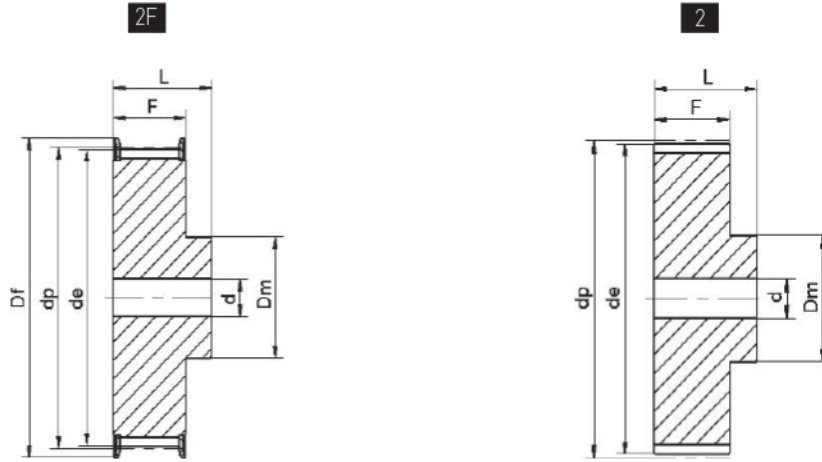
T10-10 mm
MATEL:Al

Product Model	Z	de	L1	L	Weight (kg)
T10 10	10	29.98	140	140	0.22
T10 11	11	33.16	140	140	0.29
T10 12	12	36.35	140	140	0.34
T10 13	13	39.55	140	140	0.42
T10 14	14	42.70	160	160	0.55
T10 15	15	45.90	160	160	0.64
T10 16	16	49.10	160	160	0.74
T10 17	17	52.25	160	160	0.85
T10 18	18	55.45	160	160	0.96
T10 19	19	58.65	160	160	1.07
T10 20	20	61.80	160	160	1.20
T10 21	21	65.00	160	160	1.29
T10 22	22	68.20	160	160	1.43
T10 23	23	71.35	160	160	1.58
T10 24	24	74.55	160	160	1.73
T10 26	26	80.90	160	160	2.05
T10 28	28	87.25	160	160	2.39
T10 30	30	93.65	160	160	2.76
T10 32	32	100.00	160	160	3.18
T10 34	34	106.40	160	160	3.61
T10 36	36	112.75	160	160	4.06
T10 38	38	119.10	160	160	4.62
T10 40	40	125.45	160	160	5.13
T10 45	45	141.40	160	160	6.50
T10 48	48	150.95	160	160	7.39
T10 60	60	189.15	160	160	11.76
T10 72	72	227.29	160	160	17.03

AT5-21

AT Timing belt pulleys(P.63-P.69)

T Timing belt bars
AT Timing belt pulleys
●AT5-21

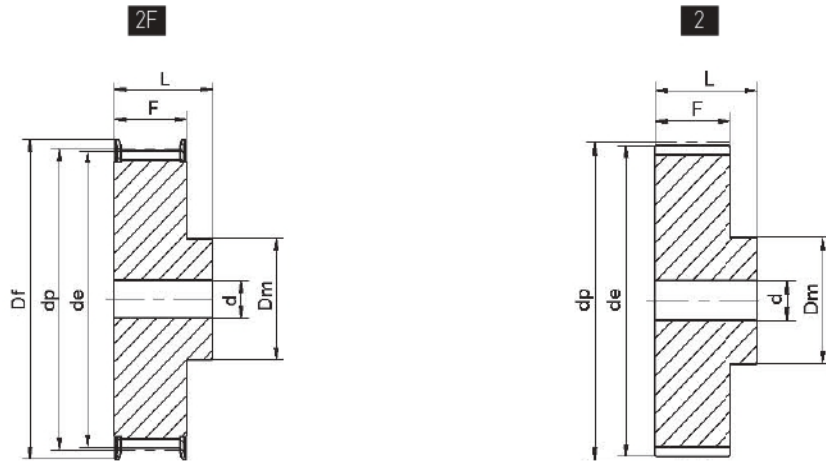


AT5-5 mm
AT5-21 For Belts 10 mm Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	de	Df	Dm	F	L	d	FLANG	Weight (kg)
21 AT5 12	2F	Al	12	17.85	23	10	15	21		201	0.01
21 AT5 14	2F	Al	14	21.05	25	13	15	21		203	0.02
21 AT5 15	2F	Al	15	22.65	28	16	15	21		204	0.02
21 AT5 16	2F	Al	16	24.20	32	18	15	21		205	0.03
21 AT5 18	2F	Al	18	27.40	32	20	15	21		205	0.03
21 AT5 19	2F	Al	19	29.00	36	22	15	21		206	0.04
21 AT5 20	2F	Al	20	30.60	36	23	15	21		206	0.04
21 AT5 22	2F	Al	22	33.85	38	24	15	21		207	0.05
21 AT5 24	2F	Al	24	37.00	42	26	15	21		208	0.06
21 AT5 25	2F	Al	25	38.55	44	26	15	21		209	0.06
21 AT5 26	2F	Al	26	40.20	44	26	15	21		209	0.06
21 AT5 27	2F	Al	27	41.80	48	30	15	21	8	210	0.08
21 AT5 28	2F	Al	28	43.35	48	32	15	21	8	210	0.08
21 AT5 30	2F	Al	30	46.55	51	34	15	21	8	211	0.08
21 AT5 32	2F	Al	32	49.70	54	38	15	21	8	212	0.11
21 AT5 36	2F	Al	36	56.05	63	38	15	21	8	215	0.14
21 AT5 40	2F	Al	40	62.45	66	40	15	21	8	216	0.19
21 AT5 42	2F	Al	42	65.60	71	40	15	21	8	217	0.19
21 AT5 44	2	Al	44	68.80		45	15	21	8		0.20
21 AT5 48	2	Al	48	75.15		50	15	21	8		0.20
21 AT5 60	2	Al	60	94.25		65	15	21	8		0.33

AT5-27

AT Timing belt pulleys(P.63-P.69)



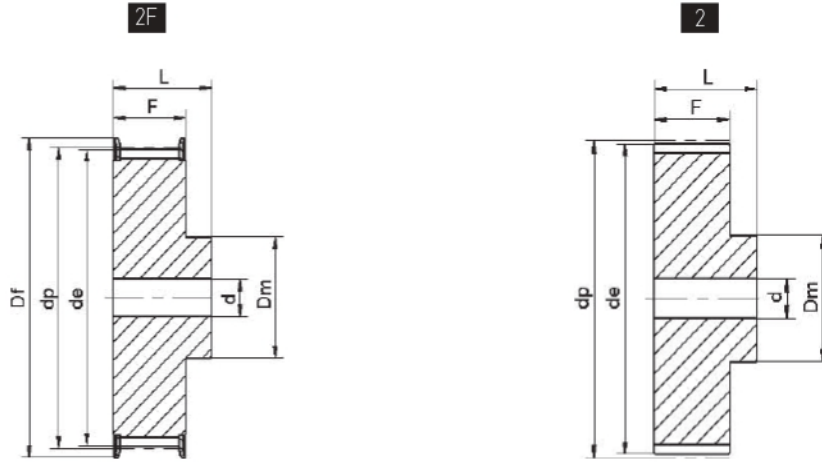
AT5-5 mm
AT5-27 For Belts 16 mm Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	de	Df	Dm	F	L	d	FLANG	Weight (kg)
27 AT5 12	2F	Al	12	17.85	23	10	21	27		201	0.02
27 AT5 14	2F	Al	14	21.05	25	13	21	27		203	0.03
27 AT5 15	2F	Al	15	22.65	28	16	21	27		204	0.03
27 AT5 16	2F	Al	16	24.2	32	18	21	27		205	0.04
27 AT5 18	2F	Al	18	27.4	32	20	21	27		205	0.04
27 AT5 19	2F	Al	19	29	36	22	21	27		206	0.05
27 AT5 20	2F	Al	20	30.6	36	23	21	27		206	0.06
27 AT5 22	2F	Al	22	33.85	38	24	21	27		207	0.06
27 AT5 24	2F	Al	24	37	42	26	21	27		208	0.08
27 AT5 25	2F	Al	25	38.55	44	26	21	27		209	0.08
27 AT5 26	2F	Al	26	40.2	44	26	21	27		209	0.09
27 AT5 27	2F	Al	27	41.8	48	30	21	27	8	210	0.09
27 AT5 28	2F	Al	28	43.35	48	32	21	27	8	210	0.10
27 AT5 30	2F	Al	30	46.55	51	34	21	27	8	211	0.11
27 AT5 32	2F	Al	32	49.7	54	38	21	27	8	212	0.13
27 AT5 36	2F	Al	36	56.05	63	38	21	27	8	215	0.14
27 AT5 40	2F	Al	40	62.45	66	40	21	27	8	216	0.20
27 AT5 42	2F	Al	42	65.6	71	40	21	27	8	217	0.22
27 AT5 44	2	Al	44	68.8		45	21	27	8		0.23
27 AT5 48	2	Al	48	75.15		50	21	27	8		0.28
27 AT5 60	2	Al	60	94.25		65	21	27	8		0.44
27 AT5 72	2	Al	72	113.15		80	21	27	8		0.66

AT5-36

AT Timing belt pulleys(P.63~P.69)

AT Timing belt pulleys
 •AT5-27
 •AT5-36

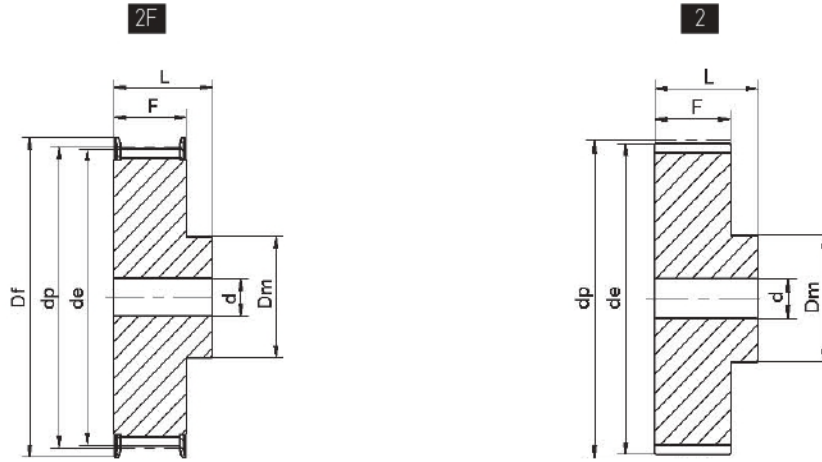


AT5-5 mm
 AT5-36 For Belts 25 mm Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	de	Df	Dm	F	L	d	FLANG	Weight (kg)
36 AT5 12	2F	Al	12	17.85	23	10	30	36		201	0.03
36 AT5 14	2F	Al	14	21.05	25	13	30	36		203	0.04
36 AT5 15	2F	Al	15	22.65	28	16	30	36		204	0.04
36 AT5 16	2F	Al	16	24.20	32	18	30	36		205	0.04
36 AT5 18	2F	Al	18	27.40	32	20	30	36		205	0.05
36 AT5 19	2F	Al	19	29.00	36	22	30	36		206	0.06
36 AT5 20	2F	Al	20	30.60	36	23	30	36		206	0.07
36 AT5 22	2F	Al	22	33.85	38	24	30	36		207	0.09
36 AT5 24	2F	Al	24	37.00	42	26	30	36	8	208	0.09
36 AT5 25	2F	Al	25	38.55	44	26	30	36	8	209	0.10
36 AT5 26	2F	Al	26	40.20	44	26	30	36	8	209	0.11
36 AT5 27	2F	Al	27	41.80	48	30	30	36	8	210	0.12
36 AT5 28	2F	Al	28	43.35	48	32	30	36	8	210	0.13
36 AT5 30	2F	Al	30	46.55	51	34	30	36	8	211	0.13
36 AT5 32	2F	Al	32	49.70	54	38	30	36	8	212	0.17
36 AT5 36	2F	Al	36	56.05	63	38	30	36	8	215	0.22
36 AT5 38	2F	Al	38	59.25	66	40	30	36	8	216	0.25
36 AT5 40	2F	Al	40	62.45	66	40	30	36	8	216	0.27
36 AT5 42	2F	Al	42	65.60	71	40	30	36	8	217	0.29
36 AT5 44	2	Al	44	68.80		45	30	36	8		0.32
36 AT5 48	2	Al	48	75.15		50	30	36	8		0.37
36 AT5 60	2	Al	60	94.25		65	30	36	8		0.60

AT10-31

AT Timing belt pulleys(P.63-P.69)



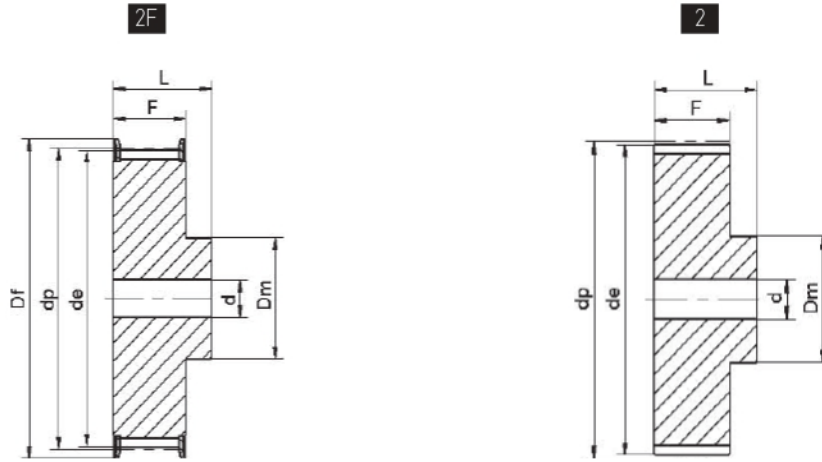
AT10-10 mm
 AT10-31 For Belts 16 mm Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	de	Df	Dm	F	L	d	FLANG	Weight (kg)
31 AT10 15	2F	Al	15	45.90	51	32	21	31	8	211	0.11
31 AT10 16	2F	Al	16	49.10	54	35	21	31	8	212	0.13
31 AT10 18	2F	Al	18	55.45	60	40	21	31	8	214	0.18
31 AT10 19	2F	Al	19	58.65	66	44	21	31	8	216	0.19
31 AT10 20	2F	Al	20	61.80	66	46	21	31	8	216	0.21
31 AT10 22	2F	Al	22	68.20	75	52	21	31	8	218	0.27
31 AT10 24	2F	Al	24	74.55	83	58	21	31	8	219	0.33
31 AT10 25	2F	Al	25	77.75	83	60	21	31	8	219	0.34
31 AT10 26	2F	Al	26	80.90	87	60	21	31	8	220	0.38
31 AT10 27	2F	Al	27	84.05	91	60	21	31	8	221	0.39
31 AT10 28	2F	Al	28	87.25	93	60	21	31	8	222	0.42
31 AT10 30	2F	Al	30	93.65	97	60	21	31	8	223	0.47
31 AT10 32	2F	Al	32	100.00	106	65	21	31	10	224	0.54
31 AT10 36	2F	Al	36	112.75	119	70	21	31	10	225	0.80
31 AT10 40	2F	Al	40	125.45	131	80	21	31	10	226	0.84
31 AT10 44	2	Al	44	138.20		88	21	31	10		0.99
31 AT10 48	2	Al	48	150.95		95	21	31	16		1.16
31 AT10 60	2	Al	60	189.15		110	21	31	16		1.80

AT10-40

AT Timing belt pulleys(P.63-P.69)

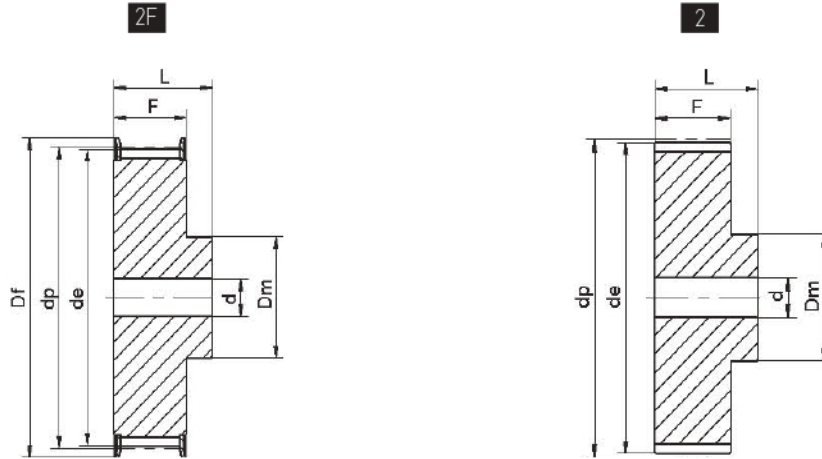
AT Timing belt pulleys
 ●AT10-31
 ●AT10-40



AT10-10 mm
 AT10-40 For Belts 25 mm Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	de	Df	Dm	F	L	d	FLANG	Weight (kg)
40 AT10 15	2F	Al	15	45.90	51	32	30	40	8	211	0.14
40 AT10 16	2F	Al	16	49.10	54	35	30	40	8	212	0.15
40 AT10 18	2F	Al	18	55.45	60	40	30	40	8	214	0.21
40 AT10 19	2F	Al	19	58.65	66	44	30	40	8	216	0.25
40 AT10 20	2F	Al	20	61.80	66	46	30	40	8	216	0.28
40 AT10 22	2F	Al	22	68.20	75	52	30	40	8	218	0.34
40 AT10 24	2F	Al	24	74.55	83	58	30	40	8	219	0.39
40 AT10 25	2F	Al	25	77.75	83	60	30	40	8	219	0.45
40 AT10 26	2F	Al	26	80.90	87	60	30	40	8	220	0.48
40 AT10 27	2F	Al	27	84.05	91	60	30	40	8	221	0.52
40 AT10 28	2F	Al	28	87.25	93	60	30	40	8	222	0.54
40 AT10 30	2F	Al	30	93.65	97	60	30	40	8	223	0.60
40 AT10 32	2F	Al	32	100.00	106	65	30	40	10	224	0.71
40 AT10 36	2F	Al	36	112.75	119	70	30	40	10	225	0.90
40 AT10 40	2F	Al	40	125.45	131	80	30	40	10	226	1.04
40 AT10 44	2	Al	44	138.20		88	30	40	10		1.38
40 AT10 48	2	Al	48	150.95		95	30	40	16		1.57
40 AT10 60	2	Al	60	189.15		110	30	40	16		2.45

AT10-47 AT Timing belt pulleys(P.63-P.69)



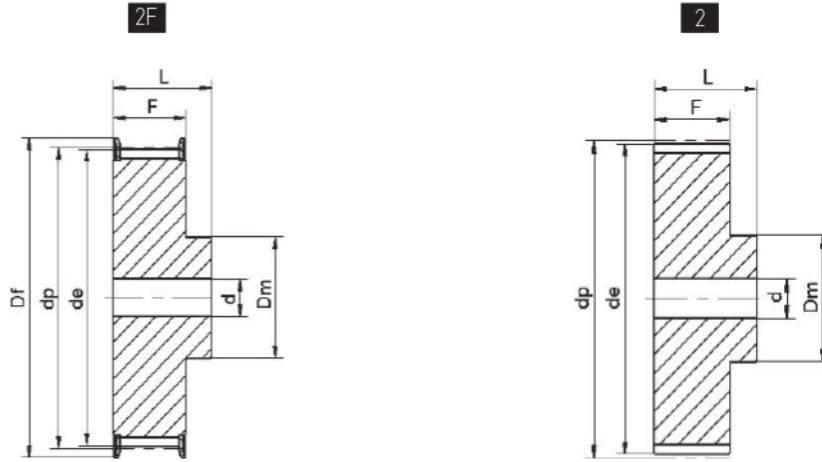
AT10-10 mm
AT10-47 For Belts 32 mm Wide
Minimum Plain Bore

Product Model	TYPE	MATEL	Z	de	Df	Dm	F	L	d	FLANG	Weight (kg)
47 AT10 18	2F	Al	18	55.45	60	40	37	47	10	214	0.25
47 AT10 19	2F	Al	19	58.65	66	44	37	47	10	216	0.29
47 AT10 20	2F	Al	20	61.80	66	46	37	47	12	216	0.34
47 AT10 22	2F	Al	22	68.20	75	52	37	47	12	218	0.40
47 AT10 24	2F	Al	24	74.55	83	58	37	47	12	219	0.48
47 AT10 25	2F	Al	25	77.75	83	60	37	47	12	219	0.52
47 AT10 26	2F	Al	26	80.90	87	60	37	47	12	220	0.57
47 AT10 27	2F	Al	27	84.05	91	60	37	47	12	221	0.60
47 AT10 28	2F	Al	28	87.25	93	60	37	47	12	222	0.65
47 AT10 30	2F	Al	30	93.65	97	60	37	47	12	223	0.73
47 AT10 32	2F	Al	32	100.00	106	65	37	47	12	224	0.84
47 AT10 36	2F	Al	36	112.75	119	70	37	47	16	225	1.32
47 AT10 40	2F	Al	40	125.45	131	80	37	47	16	226	1.48
47 AT10 44	2	Al	44	138.20		88	37	47	16		1.58
47 AT10 48	2	Al	48	150.95		95	37	47	16		1.90
47 AT10 60	2	Al	60	189.15		110	37	47	16		2.96

AT10-66

AT Timing belt pulleys(P.63-P.69)

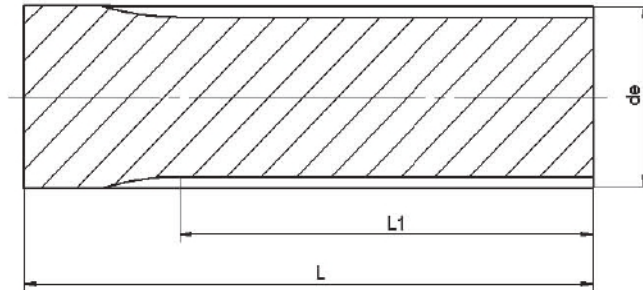
AT Timing belt pulleys
 ●AT10-47
 ●AT10-66



AT10-10 mm
 AT10-66 For Belts 50 mm Wide
 Minimum Plain Bore

Product Model	TYPE	MATEL	Z	de	Df	Dm	F	L	d	FLANG	Weight (kg)
66 AT10 18	2F	Al	18	55.45	60	40	56	66	10	214	0.42
66 AT10 19	2F	Al	19	58.65	66	44	56	66	10	216	0.47
66 AT10 20	2F	Al	20	61.80	66	46	56	66	12	216	0.52
66 AT10 22	2F	Al	22	68.20	75	52	56	66	12	218	0.59
66 AT10 24	2F	Al	24	74.55	83	58	56	66	12	219	0.68
66 AT10 25	2F	Al	25	77.75	83	60	56	66	12	219	0.75
66 AT10 26	2F	Al	26	80.90	87	60	56	66	12	220	0.81
66 AT10 27	2F	Al	27	84.05	91	60	56	66	12	221	0.86
66 AT10 28	2F	Al	28	87.25	93	60	56	66	12	222	0.91
66 AT10 30	2F	Al	30	93.65	97	60	56	66	12	223	1.11
66 AT10 32	2F	Al	32	100.00	106	65	56	66	12	224	1.30
66 AT10 36	2F	Al	36	112.75	119	70	56	66	16	225	1.53
66 AT10 40	2F	Al	40	125.45	131	80	56	66	16	226	1.91
66 AT10 44	2	Al	44	138.20		88	56	66	16		2.31
66 AT10 48	2	Al	48	150.95		95	56	66	16		2.77
66 AT10 60	2	Al	60	189.15		110	56	66	16		4.34

AT Timing bars (P.70-P.71)



AT5-5 mm MATEL:Al

Product Model	Z	de	L1	L	Weight (kg)
AT5 12	12	17.85	140	140	0.08
AT5 13	13	19.45	140	140	0.10
AT5 14	14	21.05	140	140	0.12
AT5 15	15	22.65	140	140	0.14
AT5 16	16	24.20	140	140	0.15
AT5 17	17	25.80	140	140	0.18
AT5 18	18	27.40	140	140	0.20
AT5 19	19	29.00	140	140	0.23
AT5 20	20	30.60	160	160	0.30
AT5 21	21	32.30	160	160	0.33
AT5 22	22	33.85	160	160	0.36
AT5 23	23	35.45	160	160	0.40
AT5 24	24	37.00	160	160	0.44
AT5 25	25	38.55	160	160	0.47
AT5 26	26	40.20	160	160	0.51
AT5 27	27	41.80	160	160	0.55
AT5 28	28	43.35	160	160	0.60
AT5 29	29	44.95	160	160	0.60
AT5 30	30	46.55	160	160	0.69
AT5 32	32	49.70	160	160	0.81
AT5 34	34	52.85	160	160	0.90
AT5 35	35	54.45	160	160	0.96
AT5 36	36	56.05	160	160	1.02
AT5 38	38	59.25	160	160	1.14
AT5 40	40	62.45	160	160	1.28
AT5 42	42	65.60	160	160	1.41
AT5 44	44	68.80	160	160	1.55
AT5 45	45	70.40	160	160	1.61
AT5 46	46	72.00	160	160	1.70
AT5 48	48	75.15	160	160	1.85
AT5 52	52	81.55	160	160	2.19
AT5 56	56	87.90	160	160	2.55
AT5 58	58	91.10	160	160	2.74
AT5 60	60	94.25	160	160	2.94
AT5 64	64	100.65	160	160	3.36
AT5 72	72	113.35	160	160	4.29

AT10-10 mm MATEL:Al

Product Model	Z	de	L1	L	Weight (kg)
AT10 15	15	45.90	160	160	0.62
AT10 16	16	49.10	160	160	0.72
AT10 17	17	52.25	160	160	0.82
AT10 18	18	55.45	160	160	0.94
AT10 19	19	58.65	160	160	1.05
AT10 20	20	61.80	160	160	1.17
AT10 21	21	65.00	160	160	1.31
AT10 22	22	68.20	160	160	1.44
AT10 23	23	71.35	160	160	1.60
AT10 24	24	74.55	160	160	1.75
AT10 25	25	77.75	160	160	1.91
AT10 26	26	80.90	160	160	2.06
AT10 27	27	84.05	160	160	2.23
AT10 28	28	87.25	160	160	2.42
AT10 30	30	93.65	160	160	2.79
AT10 32	32	100.00	160	160	3.20
AT10 34	34	106.40	160	160	3.65
AT10 36	36	112.75	160	160	4.09
AT10 38	38	119.10	160	160	4.59
AT10 40	40	125.45	160	160	5.16
AT10 42	42	131.85	160	160	5.65
AT10 44	44	138.20	160	160	6.22
AT10 45	45	141.40	160	160	6.54
AT10 46	46	144.55	160	160	6.84
AT10 48	48	150.95	160	160	7.45
AT10 52	52	163.65	160	160	8.93
AT10 56	56	176.40	160	160	10.39
AT10 58	58	182.75	160	160	10.96
AT10 60	60	189.15	160	160	11.78
AT10 70	70	220.95	160	160	16.18

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