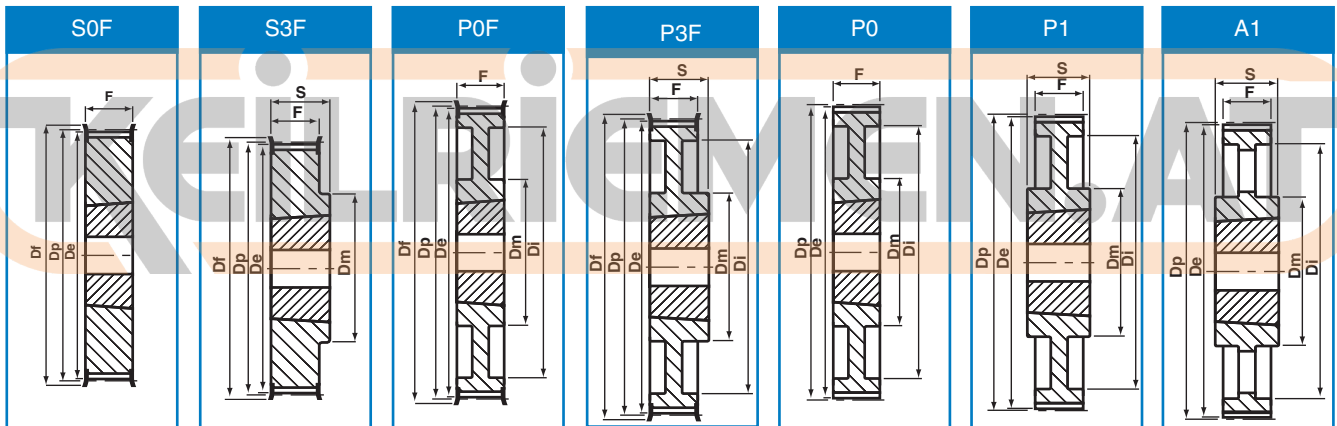


Timing Taper Bore

L - 3/8" (9.525 mm) pitch L050 - 1/2" (13 mm) wide belts

Product Designation	Number of Teeth	Type	Bush Size	De	Dp	Df	Dm	Di	F	S	Weight kg
18-L-050	18	S3F	1108	54	54.57	60	43	-	19	22	0.2
19-L-050	19	S3F	1108	57	57.61	63	43	-	19	22	0.2
20-L-050	20	S3F	1108	60	60.64	67	48	-	19	22	0.2
21-L-050	21	S3F	1108	63	63.77	70	48	-	19	22	0.3
22-L-050	22	S3F	1108	66	66.70	75	51	-	19	22	0.3
23-L-050	23	S3F	1108	69	69.73	79	54	-	19	22	0.4
24-L-050	24	S3F	1108	72	72.77	79	54	-	19	22	0.4
25-L-050	25	S3F	1108	75	75.80	87	56	-	19	22	0.5
26-L-050	26	S3F	1108	78	78.83	87	60	-	19	22	0.5
27-L-050	27	S3F	1108	81	81.86	91	65	-	19	22	0.6
28-L-050	28	S3F	1108	84	84.89	91	65	-	19	22	0.6
30-L-050	30	S3F	1108	90	90.96	97	70	-	19	22	0.8
32-L-050	32	S3F	1108	96	97.02	102	74	-	19	22	0.9
36-L-050	36	S3F	1108	108	109.15	120	87	-	19	22	1.2
40-L-050	40	S3F	1210	121	121.28	128	87	-	19	25	1.5
48-L-050	48	P3F	1210	145	145.53	150	88	124	19	25	2.3
60-L-050	60	P1	1610	181	181.91	-	92	166	19	25	2.0
72-L-050	72	A1	1610	218	218.30	-	92	202	19	25	3.0
84-L-050	84	A1	1610	254	254.68	-	106	236	19	25	4.0
96-L-050	96	A1	2012	290	291.06	-	106	270	19	32	5.5
120-L-050	120	A1	2012	363	363.83	-	106	343	19	32	6.8



L - 3/8" (9.525 mm) pitch L075 - 3/4" (19 mm) wide belts

Product Designation	Number of Teeth	Type	Bush Size	De	Dp	Df	Dm	Di	F	S	Weight kg
18-L-075	18	S0F	1108	54	54.57	60	-	-	25.4	-	0.2
19-L-075	19	S0F	1108	57	57.61	63	-	-	25.4	-	0.3
20-L-075	20	S0F	1108	60	60.64	67	-	-	25.4	-	0.3
21-L-075	21	S0F	1108	63	63.67	70	-	-	25.4	-	0.4
22-L-075	22	S0F	1108	66	66.70	75	-	-	25.4	-	0.4
23-L-075	23	S0F	1108	69	69.73	79	-	-	25.4	-	0.4
24-L-075	24	S0F	1108	72	72.77	79	-	-	25.4	-	0.5
25-L-075	25	S0F	1108	75	75.80	87	-	-	25.4	-	0.6
26-L-075	26	S0F	1108	78	78.83	87	-	-	25.4	-	0.6
27-L-075	27	S0F	1108	81	81.86	91	-	-	25.4	-	0.7
28-L-075	28	S0F	1108	84	84.89	91	-	-	25.4	-	0.7
30-L-075	30	S0F	1108	90	90.96	97	-	-	25.4	-	0.9
32-L-075	32	S0F	1108	96	97.05	102	-	-	25.4	-	1.0
36-L-075	36	S0F	1210	108	109.15	120	-	-	25.4	-	1.2
40-L-075	40	S0F	1210	121	121.28	128	-	-	25.4	-	1.7
48-L-075	48	P0F	1610	145	145.53	150	92	124	25.4	-	2.5
60-L-075	60	P0	1610	181	181.91	-	92	166	25.4	25	3.0
72-L-075	72	A0	1610	218	218.30	-	92	202	25.4	25	4.0
84-L-075	84	A1	2012	254	254.68	-	106	236	25.4	32	5.2
96-L-075	96	A1	2012	290	291.06	-	106	270	25.4	32	6.5
120-L-075	120	A1	2012	363	363.83	-	106	343	25.4	32	7.6

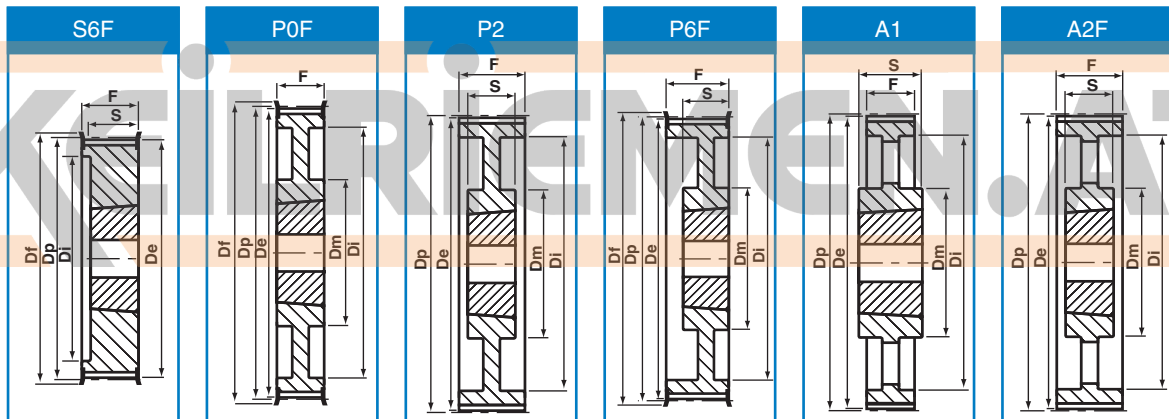
All dimensions in millimetres unless otherwise stated. Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused

Timing Taper Bore

L - 3/8" (9.525 mm) pitch

L100 - 1" (25 mm) wide belts

Product Designation	Number of Teeth	Type	Bush Size	De	Dp	Df	Dm	Di	F	S	Weight kg
18-L-100	18	S6F	1108	54	54.57	60	-	38	32	22	0.2
19-L-100	19	S6F	1108	57	57.61	63	-	38	32	22	0.3
20-L-100	20	S6F	1108	60	60.64	67	-	45	32	22	0.4
21-L-100	21	S6F	1108	63	63.67	70	-	47	32	22	0.4
22-L-100	22	S6F	1108	66	66.70	75	-	51	32	22	0.4
23-L-100	23	S6F	1108	69	69.73	79	-	54	32	22	0.5
24-L-100	24	S6F	1108	72	72.77	79	-	54	32	22	0.6
25-L-100	25	S6F	1108	75	75.80	87	-	56	32	22	0.6
26-L-100	26	S6F	1108	78	78.83	87	-	60	32	22	0.7
27-L-100	27	S6F	1108	81	81.86	91	-	62	32	22	0.8
28-L-100	28	S6F	1108	84	84.89	91	-	65	32	22	0.8
30-L-100	30	S6F	1210	90	91.96	97	-	71	32	25	0.9
32-L-100	32	S6F	1210	96	97.02	102	-	75	32	25	1.0
36-L-100	36	S6F	1210	108	109.15	120	-	89	32	25	1.4
40-L-100	40	S6F	1610	121	121.28	128	-	101	32	25	1.7
48-L-100	48	P6F	1610	145	145.53	150	92	124	32	25	2.7
60-L-100	60	P2	1610	181	181.91	-	92	166	32	25	2.4
72-L-100	72	A1	2012	218	218.30	-	106	202	32	32	4.4
84-L-100	84	A1	2012	254	254.68	-	106	236	32	32	6.0
96-L-100	96	A1	2012	290	291.06	-	106	270	32	32	7.1
120-L-100	120	A1	2012	363	363.83	-	106	343	32	32	8.5



H - 1/2" (12.7 mm) pitch

H100 - 1" (25 mm) wide belts

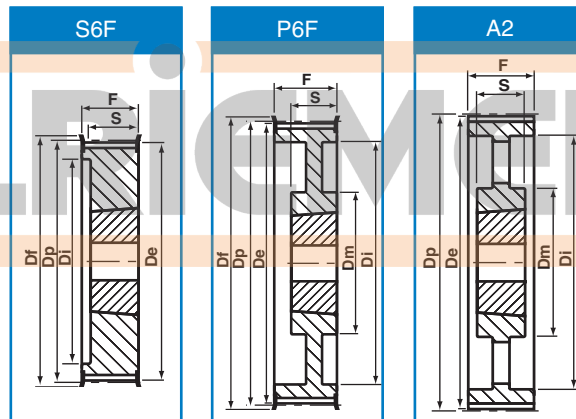
Product Designation	Number of Teeth	Type	Bush Size	De	Dp	Df	Dm	Di	F	S	Weight kg
16-H-100	16	S6F	1108	63	64.68	71	-	45	32	22	0.4
18-H-100	18	S6F	1210	71	72.77	79	-	52	32	25	0.5
19-H-100	19	S6F	1210	75	76.81	83	-	56	32	25	0.6
20-H-100	20	S6F	1210	79	80.85	87	-	60	32	25	0.7
21-H-100	21	S6F	1210	84	84.89	91	-	63	32	25	0.8
22-H-100	22	S6F	1210	88	88.94	94	-	67	32	25	0.9
23-H-100	23	S6F	1210	92	92.98	102	-	70	32	25	0.9
24-H-100	24	S6F	1610	96	97.02	102	-	75	32	25	1.0
25-H-100	25	S6F	1610	100	101.06	112	-	79	32	25	1.0
26-H-100	26	S6F	1610	104	105.11	112	-	83	32	25	1.2
27-H-100	27	S6F	1610	108	109.15	120	-	87	32	25	1.3
28-H-100	28	S6F	1610	112	113.19	120	-	91	32	25	1.5
30-H-100	30	S6F	1610	120	121.28	128	-	99	32	25	1.7
32-H-100	32	P6F	1610	128	129.36	135	92	108	32	25	2.0
36-H-100	36	P6F	1610	144	145.53	158	92	124	32	25	2.7
40-H-100	40	P6F	1610	160	161.70	168	92	140	32	25	3.6
44-H-100	44	P0F	2012	177	177.87	184	106	153	32	32	3.8
48-H-100	48	P0F	2012	193	194.04	200	106	169	32	32	4.2
60-H-100	60	A1	2012	241	242.55	-	106	223	32	32	4.8
72-H-100	72	A1	2012	290	291.06	-	106	270	32	32	5.7
84-H-100	84	A1	2012	338	339.57	-	106	318	32	32	6.8
96-H-100	96	A1	2517	387	388.08	-	119	366	32	45	8.2

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Timing Taper Bore

H - 1/2" (12.7 mm) pitch H150 - 1.1/2" (38 mm) wide belts

Product Designation	Number of Teeth	Type	Bush Size	De	Dp	Df	Dm	Di	F	S	Weight kg
18-H-150	18	S6F	1210	71	72.77	79	-	53	46	25	0.6
19-H-150	19	S6F	1210	75	76.81	83	-	56	46	25	0.7
20-H-150	20	S6F	1210	79	80.85	87	-	60	46	25	0.8
21-H-150	21	S6F	1210	84	84.89	91	-	64	46	25	1.0
22-H-150	22	S6F	1210	88	88.94	94	-	68	46	25	1.2
23-H-150	23	S6F	1610	92	92.98	102	-	71	46	25	1.3
24-H-150	24	S6F	1610	96	97.02	102	-	74	46	25	1.0
25-H-150	25	S6F	1610	100	101.06	112	-	78	46	25	1.2
26-H-150	26	S6F	1610	104	105.11	112	-	82	46	25	1.4
27-H-150	27	S6F	1610	108	109.15	120	-	87	46	25	1.6
28-H-150	28	S6F	1610	112	113.19	120	-	91	46	25	1.8
30-H-150	30	S6F	1610	112	121.28	128	-	99	46	25	2.3
32-H-150	32	P6F	1610	128	129.36	135	92	108	46	25	2.3
36-H-150	36	P6F	1610	144	145.53	158	92	124	46	25	3.1
40-H-150	40	P6F	1610	160	161.70	168	92	140	46	25	4.0
44-H-150	44	P6F	2012	177	177.87	184	106	153	46	32	4.4
48-H-150	48	P6F	2012	193	194.04	200	106	169	46	32	4.8
60-H-150	60	A2	2012	241	242.55	-	106	223	46	32	5.4
72-H-150	72	A2	2012	290	291.06	-	106	270	46	32	6.5
84-H-150	84	A2	2012	338	339.57	-	106	320	46	32	8.4
96-H-150	96	A2	2517	387	388.08	-	119	366	46	45	11.0



H - 1/2" (12.7 mm) pitch H200 - 2" (51 mm) wide belts

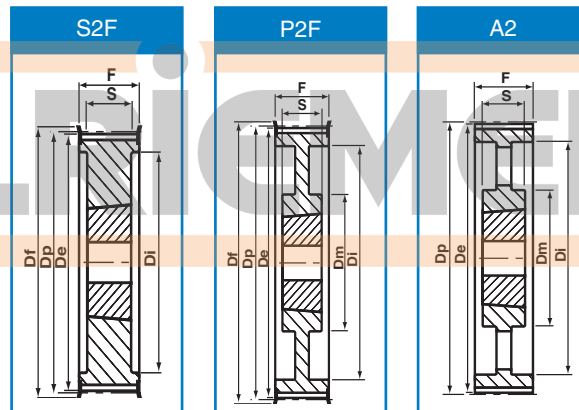
Product Designation	Number of Teeth	Type	Bush Size	De	Dp	Df	Dm	Di	F	S	Weight kg
18-H-200	18	S6F	1210	71	72.77	79	-	52	58	25	0.8
19-H-200	19	S6F	1210	75	76.81	83	-	56	58	25	0.9
20-H-200	20	S6F	1610	79	80.85	87	-	60	58	25	1.0
21-H-200	21	S6F	1610	84	84.89	91	-	64	58	25	1.7
22-H-200	22	S6F	1610	88	88.94	94	-	68	58	25	1.5
23-H-200	23	S6F	1610	92	92.98	102	-	71	58	25	1.8
24-H-200	24	S6F	1610	96	97.02	102	-	74	58	25	1.5
25-H-200	25	S6F	1610	100	101.06	112	-	78	58	25	1.5
26-H-200	26	S6F	1610	104	105.11	112	-	82	58	25	1.8
27-H-200	27	S6F	1610	108	109.15	120	-	87	58	25	1.9
28-H-200	28	S6F	1610	112	113.19	120	-	91	58	25	2.3
30-H-200	30	S6F	1610	120	121.28	128	-	99	58	25	3.0
32-H-200	32	S6F	2012	128	129.36	135	-	107	58	32	3.0
36-H-200	36	P6F	2012	144	145.53	158	102	124	58	32	3.6
40-H-200	40	P6F	2012	160	161.70	168	106	140	58	32	4.0
44-H-200	44	P6F	2012	177	177.87	184	106	153	58	32	4.6
48-H-200	48	P6F	2517	193	194.04	200	119	169	58	45	7.0
60-H-200	60	A2	2517	241	242.55	-	119	223	58	45	8.0
72-H-200	72	A2	2517	290	291.06	-	119	270	58	45	9.0
84-H-200	84	A2	2517	338	339.57	-	119	320	58	45	10.0
96-H-200	96	A2	2517	387	388.08	-	119	366	58	45	13.4

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Timing Taper Bore

H - 1/2" (12.7 mm) pitch H300 - 3" (76 mm) wide belts

Product Designation	Number of Teeth	Type	Bush Size	De	Dp	Df	Dm	Di	F	S	Weight kg
20-H-300	20	S2F	1615	79	80.85	87	-	65	86	38	1.5
21-H-300	21	S2F	1615	84	84.89	91	-	66	86	38	12.0
22-H-300	22	S2F	1615	88	88.94	94	-	67	86	38	1.6
23-H-300	23	S2F	1615	92	92.98	102	-	71	86	38	1.8
24-H-300	24	S2F	1615	96	97.02	102	-	75	86	38	2.1
25-H-300	25	S2F	1615	100	101.06	112	-	79	86	38	2.0
26-H-300	26	S2F	1615	104	105.11	112	-	83	86	38	2.7
27-H-300	27	S2F	2012	108	109.15	120	-	87	86	32	3.0
28-H-300	28	S2F	2012	112	113.19	120	-	91	86	32	3.4
30-H-300	30	S2F	2012	120	121.28	128	-	99	86	32	3.9
32-H-300	32	S2F	2517	128	129.36	135	-	107	86	45	4.3
36-H-300	36	S2F	2517	144	145.53	158	-	124	86	45	4.5
40-H-300	40	S2F	2517	160	161.70	168	-	137	86	45	6.0
44-H-300	44	P2F	2517	177	177.87	184	119	153	86	45	6.5
48-H-300	48	P2F	2517	193	194.04	200	119	169	86	45	7.6
60-H-300	60	A2	2517	241	242.55	-	119	223	86	45	8.4
72-H-300	72	A2	2517	290	291.06	-	119	270	86	45	10.4
84-H-300	84	A2	2517	338	339.57	-	119	320	86	45	12.5
96-H-300	96	A2	3030	387	338.08	-	150	362	86	76	14.2
120-H-300	120	A2	3030	484	485.10	-	150	460	86	76	18.8

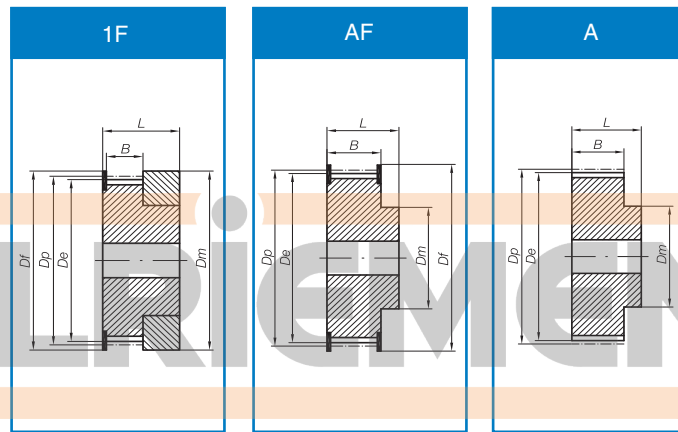


Timing Pilot Bore

MXL - 0.08" (2.032 mm) pitch

MXL025 - 0.25" (6.35 mm) wide belts

Code	Teeth	Type	Dp	De	Df	Dm	B	L	Material
16 - MXL - 025	16	1F	10.35	9.84	15.0	15	8.5	16	AL
18 - MXL - 025	18	1F	11.64	11.13	16.0	16	8.5	16	AL
20 - MXL - 025	20	1F	12.94	12.43	16.0	16	8.5	16	AL
22 - MXL - 025	22	AF	14.23	13.72	17.5	10	11.0	16	AL
24 - MXL - 025	24	AF	15.52	15.01	20.0	10	11.0	16	AL
28 - MXL - 025	28	AF	18.11	17.60	25.0	11	11.0	16	AL
30 - MXL - 025	30	AF	19.40	18.89	25.0	12	11.0	16	AL
32 - MXL - 025	32	AF	20.70	20.19	26.0	14	11.0	16	AL
36 - MXL - 025	36	AF	23.29	22.78	28.0	16	11.0	16	AL
40 - MXL - 025	40	AF	25.87	25.36	32.0	18	11.0	16	AL
42 - MXL - 025	42	AF	27.17	26.66	32.0	18	11.0	16	AL
44 - MXL - 025	44	AF	28.46	27.95	36.0	18	11.0	16	AL
48 - MXL - 025	48	A	31.05	30.54	-	20	11.0	16	AL
60 - MXL - 025	60	A	38.81	38.30	-	24	11.0	16	AL
72 - MXL - 025	72	A	46.57	46.06	-	25	11.0	16	AL



Material
 AL = Aluminium
 CI* = Cast iron
 S = Steel

Df and Dm can vary without notice. During manufacturing, the lightening relief may vary slightly.

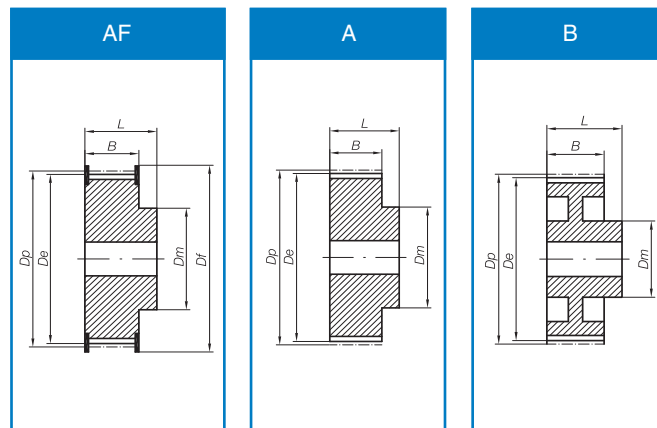
*Cast Iron items may be manufactured from steel depending upon current production availability. This may cause slight variations to non-critical dimensions. Please inform us at order placement if you are unable to accept this variation.

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Timing Pilot Bore

XL - 1/5" (5.08 mm) pitch XL037 - 0.37" (9.53 mm) wide belts

Code	Teeth	Type	Dp	De	Df	Dm	B	L	Material
10 - XL - 037	10	AF	16.17	15.66	23.0	9.5	14.3	20	AL
11 - XL - 037	11	AF	17.79	17.28	23.0	9.5	14.3	20	AL
12 - XL - 037	12	AF	19.40	18.89	25.0	10	14.3	20	AL
13 - XL - 037	13	AF	21.02	20.51	25.0	10	14.3	20	AL
14 - XL - 037	14	AF	22.64	22.13	28.0	15	14.3	20	AL
15 - XL - 037	15	AF	24.26	23.75	28.0	15	14.3	20	AL
16 - XL - 037	16	AF	25.87	25.36	32.0	16	14.3	20	AL
17 - XL - 037	17	AF	27.49	26.98	32.0	20	14.3	20	AL
18 - XL - 037	18	AF	29.11	28.60	35.0	20	14.3	20	AL
19 - XL - 037	19	AF	30.72	30.21	35.0	20	14.3	22	AL
20 - XL - 037	20	AF	32.34	31.83	38.0	24	14.3	22	AL
21 - XL - 037	21	AF	33.96	33.45	38.0	24	14.3	22	AL
22 - XL - 037	22	AF	35.57	35.07	41.0	25	14.3	22	AL
24 - XL - 037	24	AF	38.81	38.30	44.0	30	14.3	22	AL
26 - XL - 037	26	AF	42.04	41.53	48.0	30	14.3	22	AL
27 - XL - 037	27	AF	43.67	43.16	48.0	34	14.3	22	AL
28 - XL - 037	28	AF	45.28	44.77	51.0	34	14.3	22	AL
29 - XL - 037	29	AF	46.89	46.38	51.0	34	14.3	22	AL
30 - XL - 037	30	AF	48.51	48.00	54.0	38	14.3	22	AL
32 - XL - 037	32	AF	51.74	51.23	57.0	38	14.3	25	AL
34 - XL - 037	34	A	54.98	54.47	-	45	14.3	25	AL
35 - XL - 037	35	A	56.60	56.09	-	45	14.3	25	AL
36 - XL - 037	36	A	58.21	57.70	-	45	14.3	25	AL
38 - XL - 037	38	A	61.45	60.94	-	45	14.3	25	AL
39 - XL - 037	39	A	63.06	62.55	-	45	14.3	25	AL
40 - XL - 037	40	A	64.68	64.17	-	45	14.3	25	AL
41 - XL - 037	41	A	66.30	65.79	-	45	14.3	25	AL
42 - XL - 037	42	A	67.91	67.40	-	45	14.3	25	AL
43 - XL - 037	43	A	69.53	69.02	-	45	14.3	25	AL
44 - XL - 037	44	A	71.15	70.64	-	45	14.3	25	AL
45 - XL - 037	45	B	72.77	72.26	-	45	14.3	25	AL
46 - XL - 037	46	B	74.38	73.87	-	45	14.3	25	AL
47 - XL - 037	47	B	76.00	75.49	-	45	14.3	25	AL
48 - XL - 037	48	B	77.62	77.11	-	45	14.3	25	AL
49 - XL - 037	49	B	79.23	78.72	-	45	14.3	25	AL
48 - XL - 037	52	B	84.08	83.57	-	45	14.3	25	AL
56 - XL - 037	56	B	90.55	90.04	-	45	14.3	25	AL
60 - XL - 037	60	B	97.02	96.51	-	45	14.3	25	AL
68 - XL - 037	68	B	109.96	109.45	-	45	14.3	25	AL
70 - XL - 037	70	B	113.19	112.68	-	45	14.3	25	AL
72 - XL - 037	72	B	116.43	115.92	-	45	14.3	25	AL



Material
 AL = Aluminium
 CI* = Cast iron
 S = Steel

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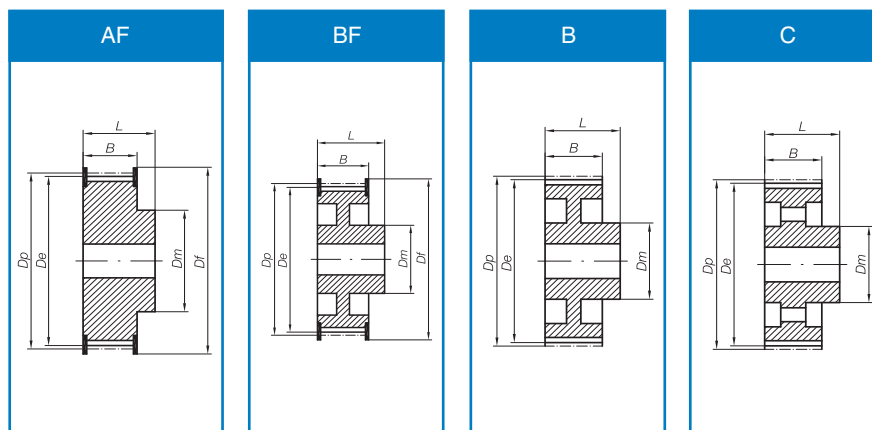
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Timing Pilot Bore

L - 3/8" (9.525 mm) pitch

L050 - 0.50" (12.7 mm) wide belts

Code	Teeth	Type	Dp	De	Df	Dm	B	L	Material
10 - L - 050	10	AF	30.32	29.56	37.0	20	19	28	S
11 - L - 050	11	AF	33.35	32.59	37.0	22	19	30	S
12 - L - 050	12	AF	36.38	35.62	43.0	24	19	30	S
13 - L - 050	13	AF	39.41	38.65	44.0	28	19	30	S
14 - L - 050	14	AF	42.45	41.69	48.0	28	19	30	S
15 - L - 050	15	AF	45.48	44.72	51.0	34	19	30	S
16 - L - 050	16	AF	48.51	47.75	54.0	36	19	32	S
17 - L - 050	17	AF	51.54	50.78	57.0	36	19	32	S
18 - L - 050	18	AF	54.57	53.81	60.0	40	19	32	S
19 - L - 050	19	AF	57.61	56.85	64.0	40	19	32	S
20 - L - 050	20	AF	60.64	59.88	66.5	40	19	32	S
21 - L - 050	21	AF	63.67	62.91	70.0	45	19	32	S
22 - L - 050	22	AF	66.70	65.94	75.0	45	19	32	S
23 - L - 050	23	AF	69.73	68.97	79.0	55	19	32	S
24 - L - 050	24	AF	72.77	72.01	79.0	55	19	32	S
25 - L - 050	25	AF	75.80	75.04	82.5	58	19	32	S
26 - L - 050	26	AF	78.83	78.07	86.0	58	19	32	S
27 - L - 050	27	AF	81.86	81.10	86.0	58	19	32	S
28 - L - 050	28	AF	84.89	84.13	91.0	58	19	32	S
29 - L - 050	29	AF	87.93	87.17	94.0	58	19	32	S
30 - L - 050	30	AF	90.96	90.20	97.0	70	19	32	S
32 - L - 050	32	AF	97.02	96.26	102.0	70	19	32	S
33 - L - 050	33	AF	100.05	99.29	106.0	70	19	32	S
34 - L - 050	34	AF	103.08	102.32	112.0	70	19	32	S
35 - L - 050	35	AF	106.12	105.36	112.0	70	19	32	S
36 - L - 050	36	AF	109.15	108.39	115.0	70	19	32	S
40 - L - 050	40	BF	121.28	120.52	128.0	70	19	32	S
41 - L - 050	41	BF	124.31	123.55	135.0	70	19	32	S
42 - L - 050	42	BF	127.34	126.58	135.0	70	19	32	S
44 - L - 050	44	BF	133.40	132.64	142.0	70	19	32	S
45 - L - 050	45	BF	136.44	135.68	142.0	70	19	32	S
47 - L - 050	47	BF	142.50	141.74	150.0	70	19	32	S
48 - L - 050	48	BF	145.53	144.76	150.0	70	19	32	S
50 - L - 050	50	B	151.60	150.84	-	70	19	32	CI
52 - L - 050	52	B	157.66	156.90	-	70	19	32	CI
56 - L - 050	56	B	169.79	169.03	-	70	19	32	CI
57 - L - 050	57	B	172.82	172.06	-	70	19	32	CI
60 - L - 050	60	B	181.91	181.15	-	75	19	42	CI
72 - L - 050	72	C	218.30	217.54	-	75	19	42	CI
84 - L - 050	84	C	254.68	253.92	-	75	19	42	CI
90 - L - 050	90	C	272.87	272.11	-	75	19	42	CI



Material
 AL = Aluminium
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 S = Steel

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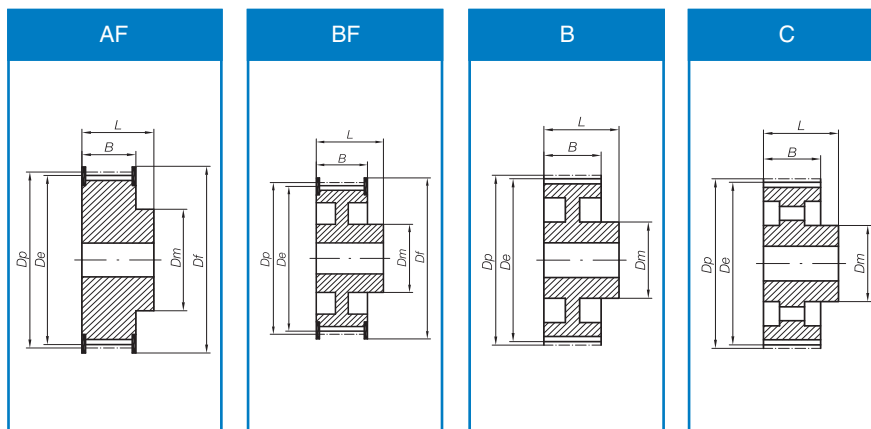
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Timing Pilot Bore

L - 3/8" (9.525 mm) pitch

L075 - 0.75" (19.05 mm) wide belts

Code	Teeth	Type	Dp	De	Df	Dm	B	L	Material
10 - L - 075	10	AF	30.32	29.56	37.0	20	25.4	38	S
11 - L - 075	11	AF	33.35	32.59	37.0	22	25.4	38	S
12 - L - 075	12	AF	36.38	35.62	43.0	24	25.4	38	S
13 - L - 075	13	AF	39.41	38.65	44.0	28	25.4	38	S
14 - L - 075	14	AF	42.45	41.69	48.0	28	25.4	38	S
15 - L - 075	15	AF	45.48	44.72	51.0	34	25.4	38	S
16 - L - 075	16	AF	48.51	47.75	54.0	36	25.4	38	S
17 - L - 075	17	AF	51.54	50.78	57.0	36	25.4	38	S
18 - L - 075	18	AF	54.57	53.81	60.0	40	25.4	38	S
19 - L - 075	19	AF	57.61	56.85	64.0	40	25.4	38	S
20 - L - 075	20	AF	60.64	59.88	66.5	40	25.4	38	S
21 - L - 075	21	AF	63.67	62.91	70.0	45	25.4	38	S
22 - L - 075	22	AF	66.70	65.94	75.0	45	25.4	38	S
23 - L - 075	23	AF	69.73	68.97	79.0	55	25.4	38	S
24 - L - 075	24	AF	72.77	72.01	79.0	55	25.4	38	S
25 - L - 075	25	AF	75.80	75.04	82.5	58	25.4	38	S
26 - L - 075	26	AF	78.83	78.07	86.0	58	25.4	38	S
27 - L - 075	27	AF	81.86	81.10	86.0	58	25.4	38	S
28 - L - 075	28	AF	84.89	84.13	91.0	58	25.4	38	S
29 - L - 075	29	AF	87.93	87.17	94.0	58	25.4	38	S
30 - L - 075	30	AF	90.96	90.20	97.0	70	25.4	38	S
32 - L - 075	32	AF	97.02	96.26	102.0	70	25.4	38	S
33 - L - 075	33	AF	100.05	99.29	106.0	70	25.4	38	S
34 - L - 075	34	AF	103.08	102.32	112.0	70	25.4	38	S
35 - L - 075	35	AF	106.12	105.36	112.0	70	25.4	38	S
36 - L - 075	36	AF	109.15	108.39	115.0	70	25.4	38	S
40 - L - 075	40	BF	121.28	120.52	128.0	70	25.4	38	S
41 - L - 075	41	BF	124.31	123.55	135.0	70	25.4	38	S
42 - L - 075	42	BF	127.34	126.58	135.0	70	25.4	38	S
44 - L - 075	44	BF	133.40	132.64	142.0	70	25.4	38	S
45 - L - 075	45	BF	136.44	135.68	142.0	70	25.4	38	S
47 - L - 075	47	BF	142.50	141.74	150.0	70	25.4	38	S
48 - L - 075	48	BF	145.53	144.76	150.0	70	25.4	38	S
50 - L - 075	50	B	151.60	150.84	-	70	25.4	38	CI
52 - L - 075	52	B	157.66	156.90	-	70	25.4	38	CI
56 - L - 075	56	B	169.79	169.03	-	70	25.4	38	CI
57 - L - 075	57	B	172.82	172.06	-	70	25.4	38	CI
60 - L - 075	60	B	181.91	181.15	-	75	25.4	45	CI
72 - L - 075	72	C	218.30	217.54	-	75	25.4	45	CI
84 - L - 075	84	C	254.68	253.92	-	75	25.4	45	CI
90 - L - 075	90	C	272.87	272.11	-	75	25.4	45	CI



Material
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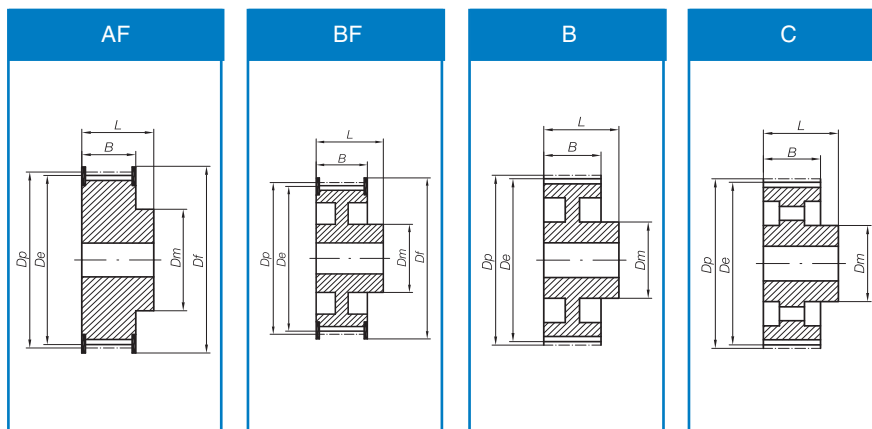
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Timing Pilot Bore

L - 3/8" (9.525 mm) pitch

L100 - 1.00" (25.4mm) wide belts

Code	Teeth	Type	Dp	De	Df	Dm	B	L	Material
10 - L - 100	10	AF	30.32	29.56	37.0	20	31.8	45	S
11 - L - 100	11	AF	33.35	32.59	37.0	22	31.8	45	S
12 - L - 100	12	AF	36.38	35.62	43.0	24	31.8	45	S
13 - L - 100	13	AF	39.41	38.65	44.0	28	31.8	45	S
14 - L - 100	14	AF	42.45	41.69	48.0	28	31.8	45	S
15 - L - 100	15	AF	45.48	44.72	51.0	34	31.8	45	S
16 - L - 100	16	AF	48.51	47.75	54.0	36	31.8	45	S
17 - L - 100	17	AF	51.54	50.78	57.0	36	31.8	45	S
18 - L - 100	18	AF	54.57	53.81	60.0	40	31.8	45	S
19 - L - 100	19	AF	57.61	56.85	64.0	40	31.8	45	S
20 - L - 100	20	AF	60.64	59.88	66.5	40	31.8	45	S
21 - L - 100	21	AF	63.67	62.91	70.0	45	31.8	45	S
22 - L - 100	22	AF	66.70	65.94	75.0	45	31.8	45	S
23 - L - 100	23	AF	69.73	68.97	79.0	55	31.8	45	S
24 - L - 100	24	AF	72.77	72.01	79.0	55	31.8	45	S
25 - L - 100	25	AF	75.80	75.04	82.5	58	31.8	45	S
26 - L - 100	26	AF	78.83	78.07	86.0	58	31.8	45	S
27 - L - 100	27	AF	81.86	81.10	86.0	58	31.8	45	S
28 - L - 100	28	AF	84.89	84.13	91.0	58	31.8	45	S
29 - L - 100	29	AF	87.93	87.17	94.0	58	31.8	45	S
30 - L - 100	30	AF	90.96	90.20	97.0	70	31.8	45	S
32 - L - 100	32	AF	97.02	96.26	102.0	70	31.8	45	S
33 - L - 100	33	AF	100.05	99.29	106.0	70	31.8	45	S
34 - L - 100	34	AF	103.08	102.32	112.0	70	31.8	45	S
35 - L - 100	35	AF	106.12	105.36	112.0	70	31.8	45	S
36 - L - 100	36	AF	109.15	108.39	115.0	70	31.8	45	S
40 - L - 100	40	BF	121.28	120.52	128.0	70	31.8	45	S
41 - L - 100	41	BF	124.31	123.55	135.0	70	31.8	45	S
42 - L - 100	42	BF	127.34	126.58	135.0	70	31.8	45	S
44 - L - 100	44	BF	133.40	132.64	142.0	70	31.8	45	S
45 - L - 100	45	BF	136.44	135.68	142.0	70	31.8	45	S
47 - L - 100	47	BF	142.50	141.74	150.0	70	31.8	45	S
48 - L - 100	48	BF	145.53	144.76	150.0	70	31.8	45	S
50 - L - 100	50	B	151.60	150.84	-	70	31.8	45	CI
52 - L - 100	52	B	157.66	156.90	-	70	31.8	45	CI
56 - L - 100	56	B	169.79	169.03	-	70	31.8	45	CI
57 - L - 100	57	B	172.82	172.06	-	70	31.8	45	CI
60 - L - 100	60	B	181.91	181.15	-	75	31.8	50	CI
72 - L - 100	72	C	218.30	217.54	-	75	31.8	50	CI
84 - L - 100	84	C	254.68	253.92	-	75	31.8	50	CI
90 - L - 100	90	C	272.87	272.11	-	75	31.8	50	CI



Material
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 CI* = Cast iron
 S = Steel

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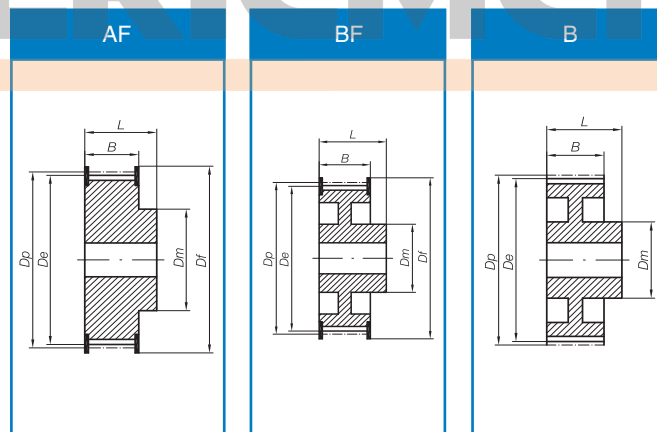
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Timing Pilot Bore

H - 1/2" (12.7 mm) pitch H075 - 0.75" (19.05 mm) wide belts

Code	Teeth	Type	Dp	De	Df	Dm	B	L	Material
14 - H - 075	14	AF	56.60	55.23	64.0	40	26.4	40	S
15 - H - 075	15	AF	60.64	59.27	66.5	45	26.4	40	S
16 - H - 075	16	AF	64.68	63.31	70.0	45	26.4	40	S
17 - H - 075	17	AF	68.72	67.35	75.0	45	26.4	40	S
18 - H - 075	18	AF	72.77	71.40	79.0	55	26.4	40	S
19 - H - 075	19	AF	76.81	75.44	82.5	60	26.4	40	S
20 - H - 075	20	AF	80.85	79.48	87.0	62	26.4	40	S
21 - H - 075	21	AF	84.89	83.52	91.0	65	26.4	40	S
22 - H - 075	22	AF	88.94	87.57	94.0	68	26.4	40	S
23 - H - 075	23	AF	92.98	91.61	97.0	72	26.4	40	S
24 - H - 075	24	AF	97.02	95.65	102.0	72	26.4	40	S
25 - H - 075	25	AF	101.06	99.69	106.0	72	26.4	40	S
26 - H - 075	26	AF	105.11	103.74	112.0	80	26.4	40	S
27 - H - 075	27	AF	109.15	107.78	115.0	80	26.4	40	S
28 - H - 075	28	AF	113.19	111.82	120.0	80	26.4	40	S
29 - H - 075	29	AF	117.23	115.86	120.0	80	26.4	40	S
30 - H - 075	30	AF	121.28	119.91	128.0	80	26.4	40	S
32 - H - 075	32	AF	129.36	127.99	135.0	80	26.4	40	S
33 - H - 075	33	AF	133.40	132.03	142.0	80	26.4	40	S
34 - H - 075	34	AF	137.45	136.08	142.0	80	26.4	40	S
35 - H - 075	35	AF	141.49	140.12	150.0	80	26.4	40	S
36 - H - 075	36	AF	145.53	144.16	150.0	80	26.4	40	S
38 - H - 075	38	AF	153.62	152.25	158.0	80	26.4	40	S
40 - H - 075	40	AF	161.70	160.33	168.0	80	26.4	40	S
44 - H - 075	44	BF	177.87	176.50	184.0	80	26.4	40	CI
45 - H - 075	45	BF	181.91	180.54	192.0	80	26.4	40	CI
48 - H - 075	48	BF	194.04	192.67	200.0	90	26.4	45	CI
50 - H - 075	50	B	202.13	200.76	-	90	26.4	45	CI



Material
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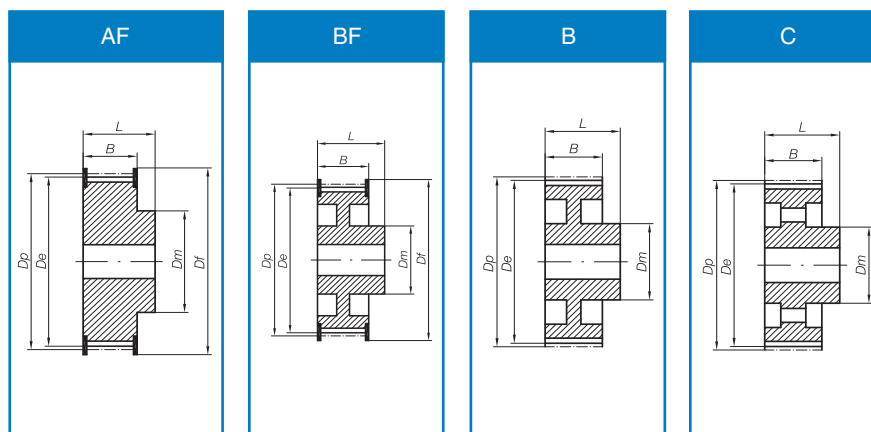
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Timing Pilot Bore

H - 1/2" (12.7 mm) pitch H100 - 1.00" (25.4 mm) wide belts

Code	Teeth	Type	Dp	De	Df	Dm	B	L	Material
14 - H - 100	14	AF	56.60	55.23	64.0	40	31.8	45	S
15 - H - 100	15	AF	60.64	59.27	66.5	45	31.8	45	S
16 - H - 100	16	AF	64.68	63.31	70.0	45	31.8	45	S
17 - H - 100	17	AF	68.72	67.35	75.0	45	31.8	45	S
18 - H - 100	18	AF	72.77	71.40	79.0	55	31.8	45	S
19 - H - 100	19	AF	76.81	75.44	82.5	60	31.8	45	S
20 - H - 100	20	AF	80.85	79.48	87.0	62	31.8	45	S
21 - H - 100	21	AF	84.89	83.52	91.0	65	31.8	45	S
22 - H - 100	22	AF	88.94	87.57	94.0	68	31.8	45	S
23 - H - 100	23	AF	92.98	91.61	97.0	72	31.8	45	S
24 - H - 100	24	AF	97.02	95.65	102.0	72	31.8	45	S
25 - H - 100	25	AF	101.06	99.69	106.0	72	31.8	45	S
26 - H - 100	26	AF	105.11	103.74	112.0	80	31.8	45	S
27 - H - 100	27	AF	109.15	107.78	115.0	80	31.8	45	S
28 - H - 100	28	AF	113.19	111.82	120.0	80	31.8	45	S
29 - H - 100	29	AF	117.23	115.86	120.0	80	31.8	45	S
30 - H - 100	30	AF	121.28	119.91	128.0	80	31.8	45	S
32 - H - 100	32	AF	129.36	127.99	135.0	80	31.8	45	S
33 - H - 100	33	AF	133.40	132.03	142.0	80	31.8	45	S
34 - H - 100	34	AF	137.45	136.08	142.0	80	31.8	45	S
35 - H - 100	35	AF	141.49	140.12	150.0	80	31.8	45	S
36 - H - 100	36	BF	145.53	144.16	150.0	80	31.8	45	S
38 - H - 100	38	BF	153.62	152.25	158.0	80	31.8	45	S
40 - H - 100	40	BF	161.70	160.33	168.0	80	31.8	45	S
44 - H - 100	44	BF	177.87	176.50	184.0	80	31.8	50	CI
45 - H - 100	45	BF	181.91	180.54	192.0	80	31.8	50	CI
48 - H - 100	48	BF	194.04	192.67	200.0	90	31.8	50	CI
50 - H - 100	50	B	202.13	200.76	-	90	31.8	50	CI
52 - H - 100	52	B	210.21	208.84	-	90	31.8	50	CI
58 - H - 100	58	C	234.47	233.10	-	90	31.8	50	CI
60 - H - 100	60	C	242.55	241.18	-	90	31.8	50	CI
70 - H - 100	70	C	282.98	281.61	-	100	31.8	55	CI
72 - H - 100	72	C	291.06	289.69	-	100	31.8	55	CI
84 - H - 100	84	C	339.57	338.20	-	100	31.8	55	CI
96 - H - 100	96	C	388.08	386.71	-	120	31.8	60	CI



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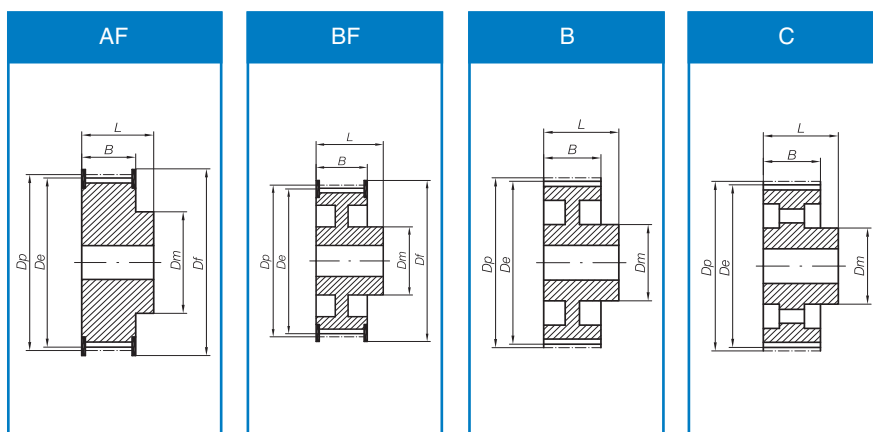
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Timing Pilot Bore

H - 1/2" (12.7 mm) pitch H150 - 1.50" (38.1 mm) wide belts

Code	Teeth	Type	Dp	De	Df	Dm	B	L	Material
14 - H - 150	14	AF	56.60	55.23	64.0	40	46	58	S
15 - H - 150	15	AF	60.64	59.27	66.5	45	46	58	S
16 - H - 150	16	AF	64.68	63.31	70.0	45	46	58	S
17 - H - 150	17	AF	68.72	67.35	75.0	45	46	58	S
18 - H - 150	18	AF	72.77	71.40	79.0	55	46	58	S
19 - H - 150	19	AF	76.81	75.44	82.5	60	46	58	S
20 - H - 150	20	AF	80.85	79.48	87.0	62	46	58	S
21 - H - 150	21	AF	84.89	83.52	91.0	65	46	58	S
22 - H - 150	22	AF	88.94	87.57	94.0	68	46	58	S
23 - H - 150	23	AF	92.98	91.61	97.0	72	46	58	S
24 - H - 150	24	AF	97.02	95.65	102.0	72	46	58	S
25 - H - 150	25	AF	101.06	99.69	106.0	72	46	58	S
26 - H - 150	26	AF	105.11	103.74	112.0	80	46	58	S
27 - H - 150	27	AF	109.15	107.78	115.0	80	46	58	S
28 - H - 150	28	AF	113.19	111.82	120.0	80	46	58	S
29 - H - 150	29	AF	117.23	115.86	120.0	80	46	58	S
30 - H - 150	30	AF	121.28	119.91	128.0	80	46	58	S
32 - H - 150	32	AF	129.36	127.99	135.0	80	46	58	S
33 - H - 150	33	AF	133.40	132.03	142.0	80	46	58	S
34 - H - 150	34	AF	137.45	136.08	142.0	80	46	58	S
35 - H - 150	35	AF	141.49	140.12	150.0	80	46	58	S
36 - H - 150	36	BF	145.53	144.16	150.0	80	46	58	S
38 - H - 150	38	BF	153.62	152.25	158.0	80	46	58	S
40 - H - 150	40	BF	161.70	160.33	168.0	80	46	58	S
44 - H - 150	44	BF	177.87	176.50	184.0	80	46	58	CI
45 - H - 150	45	BF	181.91	180.54	192.0	80	46	58	CI
48 - H - 150	48	BF	194.04	192.67	200.0	90	46	65	CI
50 - H - 150	50	B	202.13	200.76	-	90	46	65	CI
52 - H - 150	52	B	210.21	208.84	-	90	46	65	CI
58 - H - 150	58	C	234.47	233.10	-	90	46	65	CI
60 - H - 150	60	C	242.55	241.18	-	90	46	65	CI
70 - H - 150	70	C	282.98	281.61	-	100	46	65	CI
72 - H - 150	72	C	291.06	289.69	-	100	46	65	CI
84 - H - 150	84	C	339.57	338.20	-	100	46	65	CI
96 - H - 150	96	C	388.08	386.71	-	120	46	65	CI



Material
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 CI* = Cast iron
 S = Steel

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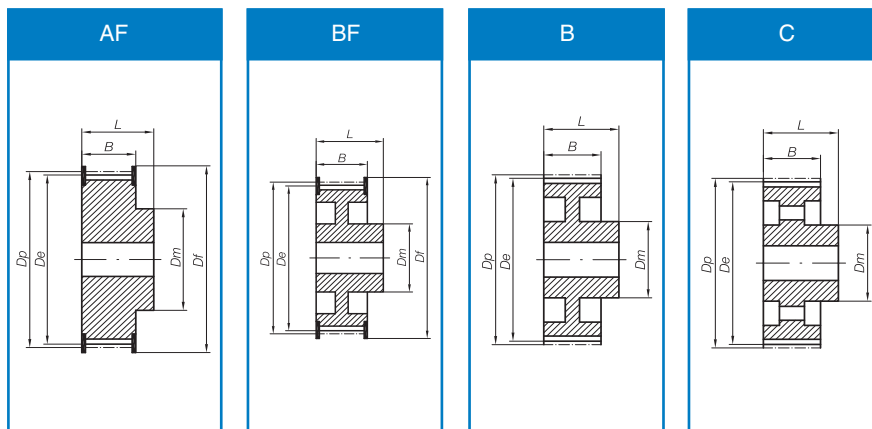
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Timing Pilot Bore

H - 1/2" (12.7 mm) pitch

H150 - 1.50" (38.1 mm) wide belts

Code	Teeth	Type	Dp	De	Df	Dm	B	L	Material
14 - H - 200	14	AF	56.60	55.23	64.0	40	58.7	70	S
15 - H - 200	15	AF	60.64	59.27	66.5	45	58.7	70	S
16 - H - 200	16	AF	64.68	63.31	70.0	45	58.7	70	S
17 - H - 200	17	AF	68.72	67.35	75.0	45	58.7	70	S
18 - H - 200	18	AF	72.77	71.40	79.0	55	58.7	70	S
19 - H - 200	19	AF	76.81	75.44	82.5	60	58.7	70	S
20 - H - 200	20	AF	80.85	79.48	87.0	62	58.7	70	S
21 - H - 200	21	AF	84.89	83.52	91.0	65	58.7	70	S
22 - H - 200	22	AF	88.94	87.57	94.0	68	58.7	70	S
23 - H - 200	23	AF	92.98	91.61	97.0	72	58.7	70	S
24 - H - 200	24	AF	97.02	95.65	102.0	72	58.7	70	S
25 - H - 200	25	AF	101.06	99.69	106.0	72	58.7	70	S
26 - H - 200	26	AF	105.11	103.74	112.0	80	58.7	70	S
27 - H - 200	27	AF	109.15	107.78	115.0	80	58.7	70	S
28 - H - 200	28	AF	113.19	111.82	120.0	80	58.7	70	S
29 - H - 200	29	AF	117.23	115.86	120.0	80	58.7	70	S
30 - H - 200	30	AF	121.28	119.91	128.0	80	58.7	70	S
32 - H - 200	32	AF	129.36	127.99	135.0	80	58.7	70	S
33 - H - 200	33	AF	133.40	132.03	142.0	80	58.7	70	S
34 - H - 200	34	AF	137.45	136.08	142.0	80	58.7	70	S
35 - H - 200	35	AF	141.49	140.12	150.0	80	58.7	70	S
36 - H - 200	36	BF	145.53	144.16	150.0	80	58.7	70	S
38 - H - 200	38	BF	153.62	152.25	158.0	80	58.7	70	S
40 - H - 200	40	BF	161.70	160.33	168.0	80	58.7	70	S
44 - H - 200	44	BF	177.87	176.50	184.0	80	58.7	70	CI
45 - H - 200	45	BF	181.91	180.54	192.0	80	58.7	70	CI
48 - H - 200	48	BF	194.04	192.67	200.0	90	58.7	75	CI
50 - H - 200	50	B	202.13	200.76	-	90	58.7	75	CI
52 - H - 200	52	B	210.21	208.84	-	90	58.7	75	CI
58 - H - 200	58	C	234.47	233.10	-	90	58.7	75	CI
60 - H - 200	60	C	242.55	241.18	-	90	58.7	75	CI
70 - H - 200	70	C	282.98	281.61	-	100	58.7	75	CI
72 - H - 200	72	C	291.06	289.69	-	100	58.7	75	CI
84 - H - 200	84	C	339.57	338.20	-	100	58.7	75	CI
96 - H - 200	96	C	388.08	386.71	-	120	58.7	75	CI



Material
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 CI* = Cast iron
 S = Steel

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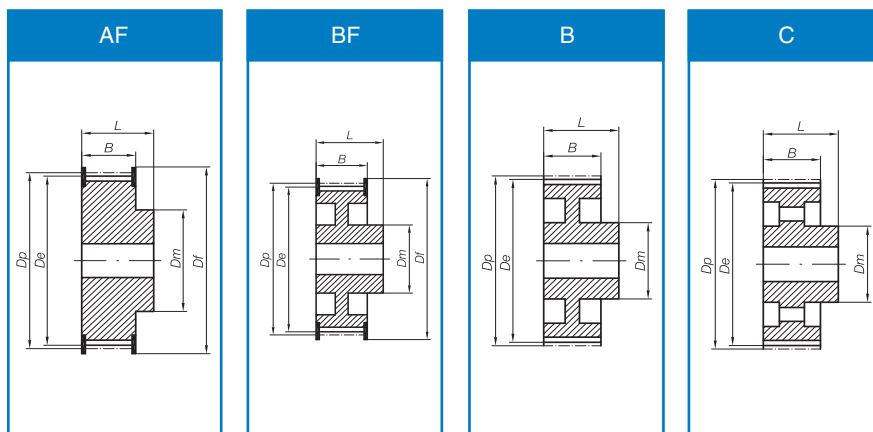
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Timing Pilot Bore

H - 1/2" (12.7 mm) pitch H300 - 3.00" (76.2 mm) wide belts

Code	Teeth	Type	Dp	De	Df	Dm	B	L	Material
14 - H - 300	14	AF	56.60	55.23	64.0	40	85.7	100	S
15 - H - 300	15	AF	60.64	59.27	66.5	45	85.7	100	S
16 - H - 300	16	AF	64.68	63.31	70.0	45	85.7	100	S
17 - H - 300	17	AF	68.72	67.35	75.0	45	85.7	100	S
18 - H - 300	18	AF	72.77	71.40	79.0	55	85.7	100	S
19 - H - 300	19	AF	76.81	75.44	82.5	60	85.7	100	S
20 - H - 300	20	AF	80.85	79.48	87.0	62	85.7	100	S
21 - H - 300	21	AF	84.89	83.52	91.0	65	85.7	100	S
22 - H - 300	22	AF	88.94	87.57	94.0	68	85.7	100	S
23 - H - 300	23	AF	92.98	91.61	97.0	72	85.7	100	S
24 - H - 300	24	AF	97.02	95.65	102.0	72	85.7	100	S
25 - H - 300	25	AF	101.06	99.69	106.0	72	85.7	100	S
26 - H - 300	26	AF	105.11	103.74	112.0	80	85.7	100	S
27 - H - 300	27	AF	109.15	107.78	115.0	80	85.7	100	S
28 - H - 300	28	AF	113.19	111.82	120.0	80	85.7	100	S
29 - H - 300	29	AF	117.23	115.86	120.0	80	85.7	100	S
30 - H - 300	30	AF	121.28	119.91	128.0	80	85.7	100	S
32 - H - 300	32	AF	129.36	127.99	135.0	80	85.7	100	S
33 - H - 300	33	AF	133.40	132.03	142.0	80	85.7	100	S
34 - H - 300	34	AF	137.45	136.08	142.0	80	85.7	100	S
35 - H - 300	35	AF	141.49	140.12	150.0	80	85.7	100	S
36 - H - 300	36	BF	145.53	144.16	150.0	80	85.7	100	S
38 - H - 300	38	BF	153.62	152.25	158.0	80	85.7	100	S
40 - H - 300	40	BF	161.70	160.33	168.0	80	85.7	100	S
44 - H - 300	44	BF	177.87	176.50	184.0	80	85.7	100	CI
45 - H - 300	45	BF	181.91	180.54	192.0	80	85.7	100	CI
48 - H - 300	48	BF	194.04	192.67	200.0	90	85.7	100	CI
50 - H - 300	50	B	202.13	200.76	-	90	85.7	100	CI
52 - H - 300	52	B	210.21	208.84	-	90	85.7	100	CI
58 - H - 300	58	C	234.47	233.10	-	90	85.7	100	CI
60 - H - 300	60	C	242.55	241.18	-	90	85.7	100	CI
70 - H - 300	70	C	282.98	281.61	-	100	85.7	100	CI
72 - H - 300	72	C	291.06	289.69	-	100	85.7	100	CI
84 - H - 300	84	C	339.57	338.20	-	100	85.7	100	CI
96 - H - 300	96	C	388.08	386.71	-	120	85.7	100	CI



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Timing Pilot Bore

XH - 7/8" (22.225 mm) pitch XH200 - 2.00" (50.8 mm) wide belts

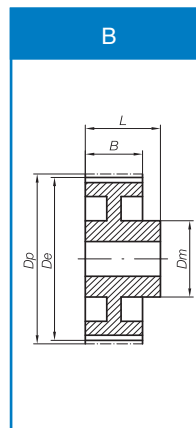
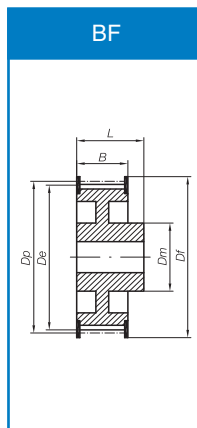
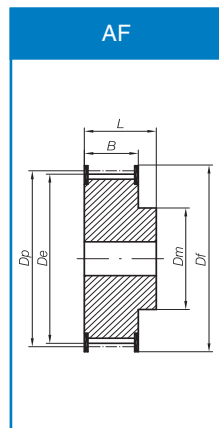
Code	Teeth	Type	Dp	De	Df	Dm	B	L	Material
18 - XH - 200	18	AF	127.34	124.55	136	100	65	80	CI
20 - XH - 200	20	AF	141.49	138.70	155	100	65	80	CI
22 - XH - 200	22	AF	155.64	152.83	162	110	65	80	CI
24 - XH - 200	24	AF	169.79	167.00	176	120	65	80	CI
26 - XH - 200	26	AF	183.92	181.13	191	150	65	80	CI
28 - XH - 200	28	AF	198.08	195.29	213	150	65	80	CI
30 - XH - 200	30	AF	212.23	209.44	225	150	65	80	CI
32 - XH - 200	32	AF	226.38	223.59	240	150	65	80	CI
40 - XH - 200	40	BF	282.98	280.19	290	150	65	100	CI
44 - XH - 200	44	B	311.28	308.48	-	150	65	100	CI
48 - XH - 200	48	B	339.57	336.78	-	150	65	100	CI

XH - 7/8" (22.225 mm) pitch XH300 - 3.00" (76.2 mm) wide belts

Code	Teeth	Type	Dp	De	Df	Dm	B	L	Material
18 - XH - 300	18	AF	127.34	124.55	136	100	92	110	CI
20 - XH - 300	20	AF	141.49	138.70	155	100	92	110	CI
22 - XH - 300	22	AF	155.64	152.83	162	110	92	110	CI
24 - XH - 300	24	AF	169.79	167.00	176	120	92	110	CI
26 - XH - 300	26	AF	183.92	181.13	191	150	92	110	CI
28 - XH - 300	28	AF	198.08	195.29	210	150	92	110	CI
30 - XH - 300	30	AF	212.23	209.44	225	150	92	110	CI
32 - XH - 300	32	AF	226.38	223.59	240	150	92	110	CI
40 - XH - 300	40	BF	282.98	280.19	290	150	92	120	CI
44 - XH - 300	44	B	311.28	308.48	-	150	92	120	CI
48 - XH - 300	48	B	339.57	336.78	-	150	92	120	CI

XH - 7/8" (22.225 mm) pitch XH400 - 4.00" (101.6 mm) wide belts

Code	Teeth	Type	Dp	De	Df	Dm	B	L	Material
18 - XH - 400	18	AF	127.34	124.55	136	100	119	132	CI
20 - XH - 400	20	AF	141.49	138.70	155	100	119	132	CI
22 - XH - 400	22	AF	155.64	152.83	162	110	119	132	CI
24 - XH - 400	24	AF	169.79	167.00	176	120	119	132	CI
26 - XH - 400	26	AF	183.92	181.13	191	150	119	132	CI
28 - XH - 400	28	AF	198.08	195.29	210	150	119	132	CI
30 - XH - 400	30	AF	212.23	209.44	225	150	119	132	CI
32 - XH - 400	32	AF	226.38	223.59	240	150	119	132	CI
40 - XH - 400	40	BF	282.98	280.19	290	150	119	132	CI
44 - XH - 400	44	B	311.28	308.48	-	150	119	132	CI
48 - XH - 400	48	B	339.57	336.78	-	150	119	132	CI



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