

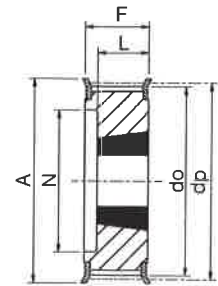
# Taper Bore Pulleys for 'L' Series Timing Belts



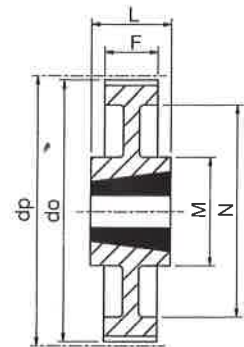
Catalogue No.	No. Teeth Z	Pulley Type	Pitch Circle Diameter dp	Taper Bush Size	Max Bore d	Outside Diameter do	Flange Diameter A	Pulley Width F	Bore Length L	Hub Diameter M	Rim Diameter N	Approx. Weight kg
<b>3/8" Pitch Pulleys for 1/2" wide Belts. Ref. L050</b>												
18L050	18	8F	54.57	1108	28	53.8	60	19	22	45	-	0.17
19L050	19	8F	57.61	1108	28	56.8	64	19	22	45	-	0.20
20L050	20	8F	60.64	1108	28	59.9	67	19	22	48	-	0.23
21L050	21	8F	63.67	1108	28	62.9	70	19	22	48	-	0.30
22L050	22	8F	66.70	1108	28	65.9	75	19	22	51	-	0.36
23L050	23	8F	69.73	1108	28	69.0	79	19	22	54	-	0.41
24L050	24	8F	72.77	1108	28	72.0	79	19	22	54	-	0.45
25L050	25	8F	75.80	1108	28	75.0	83	19	22	56	-	0.50
26L050	26	8F	78.83	1108	28	78.1	86	19	22	60	-	0.55
27L050	27	8F	81.86	1108	28	81.1	86	19	22	62	-	0.61
28L050	28	8F	84.89	1108	28	84.1	91	19	22	65	-	0.68
30L050	30	8F	90.96	1108	28	90.2	97	19	22	70	-	0.82
32L050	32	8F	97.02	1108	28	96.3	102	19	22	74	-	0.98
36L050	36	8F	109.15	1108	28	108.4	115	19	22	85	-	1.38
40L050	40	8F	121.28	1610	42	120.5	128	19	25	88	-	1.75
48L050	48	11F	145.53	1610	42	144.8	150	19	25	88	120	1.76
60L050	60	7	181.91	1610	42	181.2	-	19	25	92	166	2.18
72L050	72	7	218.30	1610	42	217.5	-	19	25	92	202	3.00
84L050	84	7	254.68	1610	42	253.9	-	19	25	92	236	4.00
96L050	96	7	291.06	2012	50	290.3	-	19	32	106	270	5.50
120L050	120	7	363.83	2012	50	363.1	-	19	32	106	343	6.80
<b>3/8" Pitch Pulleys for 3/4" wide Belts. Ref. L075</b>												
18L075	18	9F	54.57	1108	28	53.8	60	25	25	-	-	0.24
19L075	19	9F	57.61	1108	28	56.8	64	25	25	-	-	0.28
20L075	20	9F	60.64	1108	28	59.9	67	25	25	-	-	0.33
21L075	21	9F	63.67	1108	28	62.9	70	25	25	-	-	0.38
22L075	22	9F	66.70	1108	28	65.9	75	25	25	-	-	0.45
23L075	23	9F	69.73	1108	28	69.0	79	25	25	-	-	0.52
24L075	24	9F	72.77	1108	28	72.0	79	25	25	-	-	0.58
25L075	25	9F	75.80	1108	28	75.0	83	25	25	-	-	0.64
26L075	26	9F	78.83	1108	28	78.1	86	25	25	-	-	0.71
27L075	27	9F	81.86	1108	28	81.1	86	25	25	-	-	0.79
28L075	28	9F	84.89	1108	28	84.1	91	25	25	-	-	0.86
30L075	30	9F	90.96	1108	28	90.2	97	25	25	-	-	1.04
32L075	32	9F	97.02	1108	28	96.3	102	25	25	-	-	1.21
36L075	36	9F	109.15	1610	42	108.4	115	25	25	-	-	1.41
40L075	40	9F	121.28	1610	42	120.5	128	25	25	-	-	1.86
48L075	48	10F	145.53	1610	42	144.8	150	25	25	92	120	2.50
60L075	60	10	181.91	1610	42	181.2	-	25	25	92	166	3.00
72L075	72	10	218.30	1610	42	217.5	-	25	25	92	202	4.00
84L075	84	7	254.68	2012	50	253.9	-	25	32	92	236	5.20
96L075	96	7	291.06	2012	50	290.3	-	25	32	106	270	6.50
120L075	120	7	363.83	2012	50	363.1	-	25	32	106	343	7.60
<b>3/8" Pitch Pulleys for 1" wide Belts. Ref. L100</b>												
18L100	18	5F	54.57	1108	28	53.8	60	31	22	-	38	0.25
19L100	19	5F	57.61	1108	28	56.8	64	31	22	-	38	0.31
20L100	20	5F	60.64	1108	28	59.9	67	31	22	-	45	0.36
21L100	21	5F	63.67	1108	28	62.9	70	31	22	-	45	0.41
22L100	22	5F	66.70	1108	28	65.9	75	31	22	-	48	0.47
23L100	23	5F	69.73	1108	28	69.0	79	32	22	-	52	0.53
24L100	24	5F	72.77	1108	28	72.0	79	32	22	-	52	0.60
25L100	25	5F	75.80	1108	28	75.0	83	32	22	-	54	0.67
26L100	26	5F	78.83	1108	28	78.1	86	32	22	-	60	0.73
27L100	27	5F	81.86	1108	28	81.1	86	32	22	-	60	0.80
28L100	28	5F	84.89	1108	28	84.1	91	32	22	-	65	0.87
30L100	30	5F	90.96	1210	32	90.2	97	32	25	-	71	0.98
32L100	32	5F	97.02	1210	32	96.3	102	32	25	-	75	1.18
36L100	36	5F	109.15	1610	42	108.4	115	32	25	-	86	1.42
40L100	40	5F	121.28	1610	42	120.5	128	32	25	-	96	1.70
48L100	48	14F	145.53	1610	42	144.8	150	32	25	92	120	2.70
60L100	60	12	181.91	1610	42	181.2	-	32	25	92	166	2.40
72L100	72	10	218.30	2012	50	217.5	-	32	32	92	202	4.40
84L100	84	10	254.68	2012	50	253.9	-	32	32	92	236	6.00
96L100	96	10	291.06	2012	50	290.3	-	32	32	106	270	7.10
120L100	120	10	363.83	2012	50	363.1	-	32	32	106	343	8.50

## Pulley Types

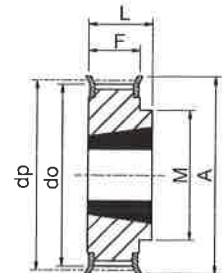
Pulley types referred to in tables are as drawings below. The suffix 'F' indicates pulley has flanges. Pulleys below dividing line in tables are manufactured in cast iron. Types 7, 10 & 12 when in cast iron have lightening holes.



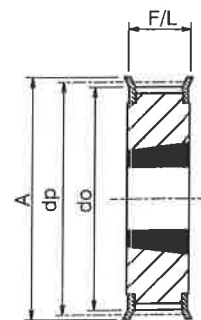
Type 5F



Type 7



Type 8F



Type 9F

All dimensions in mm. For Taper Bush dimensions refer page 25.

## Pulley Installation

Correct and accurate installation of Timing Drives is essential. Pulley alignment and shaft parallelism is very important as misalignment of the drive will cause unequal loading across the belt width and edge wear of belt on flanges. Pulley alignment can be checked by placing a straight edge against the outside edge of the pulleys and adjusting so contact made evenly across both pulleys.

The shaft should be located within a rigid framework, as any distortion under load could result in a reduction of centre distance which will cause jumping of belt on pulley teeth. If idlers are used they must be locked firmly into position after correct belt tensioning. Refer to page 10 for additional information on drive installation.

TEL +44 121 360 0155

FAX +44 121 325 1079

Email sales@crossmorse.com