Timing & High Torque Pulleys

Fenner

Now international quality Timing and High Torque Belt Drives come to you from a dependable source, Fenner.

Fenner Powerflex Timing and High Torque Belt Drive fulfill the requirements for a positive drive capable of maintaining an exact speed ratio without creep.

Fenner High Torque Belts have curvilinear tooth form which enables the strength of high tensile load bearing cords to be fully utilised. The shape of teeth gives more uniform stress distribution and allows higher overall loading.

The teeth are precisely formed and accurately spaced to ensure correct engagement with teeth on the pulleys. Tooth root lines lie substantially on pitch lines thus circular pitch is not altered while flexing. Shape of teeth is designed to allow them to enter and leave the mating groove of the Pulley in smooth rolling manner with negligible friction, functioning in much the same manner as the teeth on a pair of gears.

High Torque Belt Drives do not depend on the thickness to develop high tensile strength. Being thin, heat build-up is minimised without sacrificing inherent power transmission capacity.

Fenner Timing and High Torque Pulleys are available with Taper Griplock system. This system of shaft fixing enjoys worldwide popularity. Fenner has much experience in this.

Timing and High Torque Pulleys are manufactured from superior quality Cast Iron. They are precision machined and have grooves to perfectly match the belts. Pulleys with other material are available as non-standard executions.

FEATURES

- Positive non-slip drive maintains exact speed ratio without creep or slip
- Outstandingly high mechanical efficiency
- Smooth operation and constant angular velocity with no jerk or vibration
- Belts do not stretch in use and are corrosion free. Clean operation makes them ideal for contamination sensitive applications
- Operate at speeds beyond those practical for roller chains
- No maintenance. No lubrication required. No retensioning. No need for adjustable motor bases. Reduced operating cost
- Reduced belt tension. Longer drive bearing life
- Minimal heat build up resulting in cooler operations
- Space saving through smaller Pulleys and short center distances
- Wide range of applications from Fractional Horse Power to 250 Kw, Speed upto 20,000 rpm., Speed ratio upto 20:1

RANGE

1. Timing Belts : Available in standard pitches. XL, L, H, XH
2. High Torque Belts : Available in standard pitches. 3M, 5M, 8M, 14M
3. Timing and High Torque Pulleys with Taper Griplock System :
   a) Timing Pulleys : L & H sections.
   b) High Torque Pulleys : 5M, 8M, 14M Sections.

Please consult Fenner for complete drive package

DIMENSIONS - LIGHT (L) PITCH PULLEYS

L050 - 1/2" (13MM) WIDE BELTS

Pulley Designation	Pitch diam	No. of Teeth	Bush No	Max Bore Metric	Max Bore Inch	Pulley Type	A	F	J	K	L	M	N
14L050	42.45	14	10mm	19	-	1F	49	19	-	-	30	11	32
15L050	45.48	15	Pilot	22	-	1F	52	19	-	-	30	11	35
16L050	48.51	16	Bore	25	-	1F	56	19	-	-	30	11	38
17L050	51.54	17	Only	25	-	1F	57	19	-	-	30	11	38
18L050	54.57	18	1108	28	1 1/8	3F	67	19	-	3	22	-	46
19L050	57.61	19	1108	28	1 1/8	3F	67	19	-	3	22	-	46
20L050	60.64	20	1108	28	1 1/8	3F	67	19	-	3	22	-	46
21L050	63.67	21	1108	28	1 1/8	3F	70	19	-	3	22	-	48
22L050	66.70	22	1108	28	1 1/8	3F	75	19	-	3	22	-	51
23L050	69.73	23	1108	28	1 1/8	3F	79	19	-	3	22	-	54
24L050	72.77	24	1108	28	1 1/8	3F	79	19	-	3	22	-	54
25L050	75.80	25	1108	28	1 1/8	3F	83	19	-	3	22	-	54
26L050	78.83	26	1108	28	1 1/8	3F	86	19	-	3	22	-	60
27L050	81.86	27	1108	28	1 1/8	3F	90	19	-	3	22	-	64
28L050	84.89	28	1108	28	1 1/8	3F	90	19	-	3	22	-	64
30L050	90.96	30	1108	28	1 1/8	3F	98	19	-	3	22	-	73
32L050	97.02	32	1108	28	1 1/8	3F	103	19	-	3	22	-	76
36L050	109.15	36	1108	28	1 1/8	3F	114	19	-	3	22	-	76
40L050	121.28	40	1610	42	1 5/8	3F	127	19	-	6	25	-	89
48L050	145.53	48	1610	42	1 5/8	3F	151	19	-	6	25	-	114
60L050	181.91	60	1610	42	1 5/8	9	-	19	165	3	25	3	92
72L050	218.30	72	1610	42	1 5/8	9	-	19	202	3	25	3	92
84L050	254.68	84	1610	42	1 5/8	9	-	19	238	3	25	3	92
96L050	291.06	96	2012	50	2	9	-	19	275	6.5	32	6.5	111
120L050	363.83	120	2012	50	2	9	-	19	344	6.5	32	6.5	111

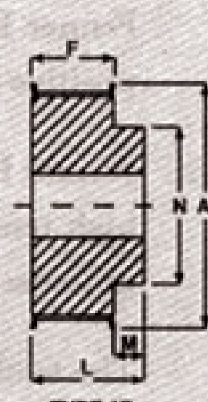
L075 - 3/4" (19MM) WIDE BELTS

Pulley Designation	Pitch diam	No. of Teeth	Bush No	Max Bore Metric	Max Bore Inch	Pulley Type	A	F	J	K	L	M	N
14L075	42.45	14	10mm	19	-	1F	49	25	-	-	37	12	32
15L075	45.48	15	Pilot	22	-	1F	52	25	-	-	37	12	35
16L075	48.51	16	Bore	25	-	1F	56	25	-	-	37	12	38
17L075	51.54	17	Only	25	-	1F	57	25	-	-	37	12	38
18L075	54.57	18	1108	28	1 1/8	4F	67	25	-	3	22	-	-
19L075	57.61	19	1108	28	1 1/8	4F	67	25	-	3	22	-	-
20L075	60.64	20	1108	28	1 1/8	4F	67	25	-	3	22	-	-
21L075	63.67	21	1108	28	1 1/8	4F	70	25	-	3	22	-	-
22L075	66.70	22	1108	28	1 1/8	4F	75	25	-	3	22	-	-
23L075	69.73	23	1108	28	1 1/8	4F	79	25	-	3	22	-	-
24L075	72.77	24	1108	28	1 1/8	4F	79	25	-	3	22	-	-
25L075	75.80	25	1108	28	1 1/8	4F	83	25	-	3	22	-	-
26L075	78.83	26	1108	28	1 1/8	4F	86	25	-	3	22	-	-
27L075	81.86	27	1108	28	1 1/8	4F	90	25	-	3	22	-	-
28L075	84.89	28	1108	28	1 1/8	4F	90	25	-	3	22	-	-
30L075	90.96	30	1108	28	1 1/8	4F	98	25	-	3	22	-	-
32L075	97.02	32	1108	28	1 1/8	4F	103	25	-	3	22	-	-
36L075	109.15	36	1610	42	1 5/8	3F	114	25	-	0	25	-	-
40L075	121.28	40	1610	42	1 5/8	3F	127	25	-	0	25	-	-
48L075	145.53	48	1610	42	1 5/8	3F	151	25	-	0	25	-	-
60L075	181.91	60	1610	42	1 5/8	9	-	25	165	0	25	0	92
72L075	218.30	72	1610	42	1 5/8	9	-	25	202	0	25	0	92
84L075	254.68	84	2012	50	2	9	-	25	238	3.5	32	3.5	111
96L075	291.06	96	2012	50	2	9	-	25	275	3.5	32	3.5	111
120L075	363.83	120	2012	50	2	9	-	25	344	3.5	32	3.5	111

L100 - 1" (25MM) WIDE BELTS

Pulley Designation	Pitch diam	No. of Teeth	Bush No	Max Bore Metric	Max Bore Inch	Pulley Type	A	F	J	K	L	M	N
14L100	42.45	14	10mm	19	-	1F	49	32	-	-	43	11	32
15L100	45.48	15	Pilot	22	-	1F	52	32	-	-	43	11	35
16L100	48.51	16	Bore	25	-	1F	56	32	-	-	43	11	38
17L100	51.54	17	Only	25	-	1F	57	32	-	-	43	11	38
18L100	54.57	18	1108	28	1 1/8	4F	67	32	38	10	22	-	-
19L100	57.61	19	1108	28	1 1/8	4F	67	32	38	10	22	-	-
20L100	60.64	20	1108	28	1 1/8	4F	67	32	38	10	22	-	-
21L100	63.67	21	1108	28	1 1/8	4F	70	32	38	10	22	-	-
22L100	66.70	22	1108	28	1 1/8	4F	75	32	48	10	22	-	-
23L100	69.73	23	1108	28	1 1/8	4F	79	32	48	10	22	-	-
24L100	72.77	24	1108	28	1 1/8	4F	79	32	48	10	22	-	-
25L100	75.80	25	1108	28	1 1/8	4F	83	32	45	10	22	-	-
26L100	78.83	26	1108	28	1 1/8	4F	86	32	45	10	22	-	-
27L100	81.86	27	1108	28	1 1/8	4F	90	32	45	10	22	-	-
28L100	84.89	28	1108	28	1 1/8	4F	90	32	45	10	22	-	-
30L100	90.96	30	1210	32	1 1/4	4F	98	32	52	7	25	-	-
32L100	97.02	32	1210	32	1 1/4	4F	103	32	52	7	25	-	-
36L100	109.15	36	1610	42	1 5/8	4F	114	32	76	7	25	-	-
40L100	121.28	40	1610	42	1 5/8	4F	127	32	89	7	25	-	-
48L100	145.53	48	1610	42	1 5/8	4F	151	32	108	7	25	-	-
60L100	181.91	60	1610	42	1 5/8	7	-	32	165	3.5	25	3.5	92
72L100	218.30	72	2012	50	2	9	-	32	202	0	32	0	111
84L100	254.68	84	2012	50	2	9	-	32	238	0	32	0	111
96L100	291.06	96	2012	50	2	9	-	32	275	0	32	0	111
120L100	363.83	120	2012	50	2	9	-	32	344	0	32	0	111

Dimensions in millimeters unless otherwise indicated. Pulley type 'F' indicates pulley is with flanges.



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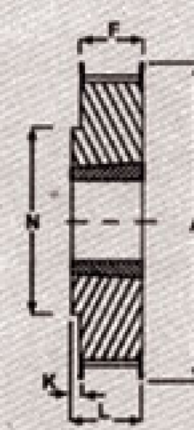

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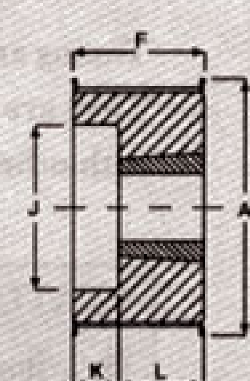

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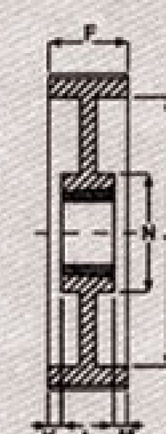

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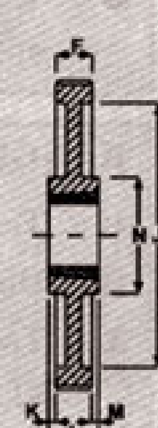


TYPE 9

DIMENSIONS - HEAVY (H) PITCH PULLEYS

H100 - 3/4" (19MM) AND 1" (25MM) WIDE BELTS

Pulley Designation	Pitch Dia	No. of Teeth	Bush No	Max Bore Metric	Max Bore Inch	Pulley Type	A	F	J	K	L	M	N
18H100	72.77	18	1210	32	1 1/4	4F	79	32	51	7	25	-	-
19H100	76.81	19	1210	32	1 1/4	4F	83	32	51	7	25	-	-
20H100	80.85	20	1210	32	1 1/4	4F	86	32	57	7	25	-	-
21H100	84.89	21	1210	32	1 1/4	4F	90	32	52	7	25	-	-
22H100	88.94	22	1210	32	1 1/4	4F	95	32	52	7	25	-	-
23H100	92.98	23	1610	42	1 5/8	4F	98	32	64	7	25	-	-
24H100	97.02	24	1610	42	1 5/8	4F	103	32	64	7	25	-	-
25H100	101.06	25	1610	42	1 5/8	4F	106	32	64	7	25	-	-
26H100	105.11	26	1610	42	1 5/8	4F	111	32	70	7	25	-	-
27H100	109.15	27	1610	42	1 5/8	4F	114	32	76	7	25	-	-
28H100	113.19	28	1610	42	1 5/8	4F	119	32	81	7	25	-	-
30H100	121.28	30	1610	42	1 5/8	4F	127	32	89	7	25	-	-
32H100	129.36	32	1610	42	1 5/8	4F	135	32	95	7	25	-	-
36H100	145.53	36	1610	42	1 5/8	4F	151	32	111	7	25	-	-
40H100	161.70	40	1610	42	1 5/8	4F	168	32	130	7	25	-	-
48H100	194.04	48	2012	50	2	7F	200	32	162	0	32	0	111
60H100	242.55	60	2012	50	2	9	-	32	210	0	32	0	111
72H100	291.06	72	2012	50	2	9	-	32	257	0	32	0	111
84H100	339.57	84	2012	50	2	9	-	32	306	0	32	0	111
96H100	388.08	96	2517	60	2 1/2	9	-	32	354	6.5	45	6.5	124
120H100	485.10	120	2517	60	2 1/2	9	-	32	451	6.5	45	6.5	124
156H100	630.64	156	2517	60	2 1/2	9	-	32	597	6.5	45	6.5	124

H150 - 1 1/2" (38MM) WIDE BELTS

Pulley Designation	Pitch Dia	No. of Teeth	Bush No	Max Bore Metric	Max Bore Inch	Pulley Type	A	F	J	K	L	M	N
18H150	72.77	18	1210	32	1 1/4	4F	79	45	51	20	25	-	-
19H150	76.81	19	1210	32	1 1/4	4F	83	45	51	20	25	-	-
20H150	80.85	20	1210	32	1 1/4	4F	86	45	57	20	25	-	-
21H150	84.89	21	1210	32	1 1/4	4F	90	45	59	20	25	-	-
22H150	88.94	22	1210	32	1 1/4	4F	95	45	59	20	25	-	-
23H150	92.98	23	1610	42	1 5/8	4F	98	45	64	20	25	-	-
24H150	97.02	24	1610	42	1 5/8	4F	103	45	64	20	25	-	-
25H150	101.06	25	1610	42	1 5/8	4F	106	45	64	20	25	-	-
26H150	105.11	26	1610	42	1 5/8	4F	111	45	73	20	25	-	-
27H150	109.15	27	1610	42	1 5/8	4F	114	45	76	20	25	-	-
28H150	113.19	28	1610	42	1 5/8	4F	119	45	76	20	25	-	-
30H150	121.28	30	1610	42	1 5/8	4F	127	45	89	20	25	-	-
32H150	129.36	32	1610	42	1 5/8	4F	135	45	95	20	25	-	-
36H150	145.53	36	1610	42	1 5/8	4F	151	45	111	20	25	-	-
40H150	161.70	40	1610	42	1 5/8	4F	168	45	130	20	25	-	-
48H150	194.04	48	2012	50	2	7F	200	45	162	6.5	32	6.5	111
60H150	242.55	60	2012	50	2	7	-	48	210	8	32	8	111
72H150	291.06	72	2012	50	2	7	-	48	257	8	32	8	111
84H150	339.57	84	2012	50	2	7	-	48	306	8	32	8	111
96H150	388.08	96	2517	60	2 1/2	7	-	48	354	1.5	45	1.5	124
120H150	485.10	120	2517	60	2 1/2	7	-	48	451	1.5	45	1.5	124
156H150	630.64	156	2517	60	2 1/2	7	-	48	597	1.5	45	1.5	146

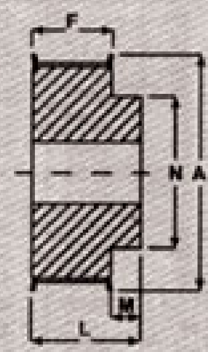
H200 - 2" (51MM) WIDE BELTS

Pulley Designation	Pitch Dia	No. of Teeth	Bush No	Max Bore Metric	Max Bore Inch	Pulley Type	A	F	J	K	L	M	N
18H200	72.77	18	Pilot	42	-	1F	79	58	-	-	58	0	-
19H200	76.81	19	Bore	42	-	1F	83	58	-	-	58	0	-
20H200	80.85	20	Only	42	-	1F	86	58	-	-	58	0	-
21H200	84.89	21	1610	42	1 5/8	4F	90	58	59	33	25	-	-
22H200	88.94	22	1610	42	1 5/8	4F	95	58	64	33	25	-	-
23H200	92.98	23	1610	42	1 5/8	4F	98	58	64	33	25	-	-
24H200	97.02	24	1610	42	1 5/8	4F	103	58	64	33	25	-	-
25H200	101.06	25	1610	42	1 5/8	4F	106	58	64	33	25	-	-
26H200	105.11	26	1610	42	1 5/8	4F	111	58	70	33	25	-	-
27H200	109.15	27	1610	42	1 5/8	4F	114	58	76	33	25	-	-
28H200	113.19	28	1610	42	1 5/8	4F	119	58	76	33	25	-	-
30H200	121.28	30	1610	42	1 5/8	4F	127	58	89	33	25	-	-
32H200	129.36	32	2012	50	2	4F	135	58	97	26	32	-	-
36H200	145.53	36	2012	50	2	4F	151	58	111	26	32	-	-
40H200	161.70	40	2012	50	2	4F	168	58	130	26	32	-	-
48H200	194.04	48	2517	60	2 1/2	7F	200	58	162	6.5	45	6.5	124
60H200	242.55	60	2517	60	2 1/2	7	-	59	210	7	45	7	124
72H200	291.06	72	2517	60	2 1/2	7	-	59	257	7	45	7	124
84H200	339.57	84	2517	60	2 1/2	7	-	59	306	7	45	7	124
96H200	388.08	96	2517	60	2 1/2	7	-	59	354	7	45	7	124
120H200	485.10	120	2517	60	2 1/2	7	-	59	451	7	45	7	146
156H200	630.64	156	3030	75	3	9	-	59	597	8.5	76	8.5	146

H300 - 3" (76MM) WIDE BELTS

Pulley Designation	Pitch Dia.	No. of Teeth	Bush No	Max Bore Metric	Max Bore Inch	Pulley Type	A	F	J	K	L	M	N
			25mm										
18H300	72.77	18	Pilot	42	-	1F	79	84	-	-	84	0	-
19H300	76.81	19	Bore	42	-	1F	83	84	-	-	84	0	-
20H300	80.85	20	Only	42	-	1F	86	84	-	-	84	0	-
21H300	84.89	21	1615	42	1 5/8	4F	90	84	60	46	38	-	-
22H300	88.94	22	1615	42	1 5/8	4F	95	84	64	46	38	-	-
23H300	92.98	23	1615	42	1 5/8	4F	98	84	64	46	38	-	-
24H300	97.02	24	1615	42	1 5/8	4F	103	84	60	46	38	-	-
25H300	101.06	25	1615	42	1 5/8	4F	106	84	64	46	38	-	-
26H300	105.11	26	1615	42	1 5/8	4F	111	84	70	46	38	-	-
27H300	109.15	27	2012	50	2	4F	114	84	78.5	52	32	-	-
28H300	113.19	28	2012	50	2	4F	119	84	78.5	52	32	-	-
30H300	121.28	30	2012	50	2	4F	127	84	89	52	32	-	-
32H300	129.36	32	2517	60	2 1/2	4F	135	84	97	39	45	-	-
36H300	145.53	36	2517	60	2 1/2	4F	151	84	111	39	45	-	-
40H300	161.70	40	2517	60	2 1/2	4F	168	84	130	39	45	-	-
48H300	194.04	48	2517	60	2 1/2	7F	200	84	162	19.5	45	19.5	124
60H300	242.55	60	2517	60	2 1/2	7	-	86	210	20.5	45	20.5	124
72H300	291.06	72	2517	60	2 1/2	7	-	86	257	20.5	45	20.5	124
84H300	339.57	84	2517	60	2 1/2	7	-	86	306	20.5	45	20.5	124
96H300	388.08	96	3030	75	3	7	-	86	354	5	76	5	146
120H300	485.10	120	3030	75	3	7	-	86	451	5	76	5	146
156H300	630.64	156	3030	75	3	7	-	86	597	5	76	5	178

Dimensions in millimeters unless otherwise indicated. Pulley type 'F' indicates pulley is with flanges.



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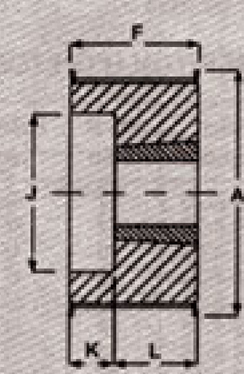

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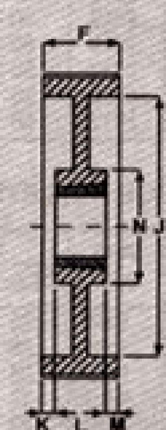
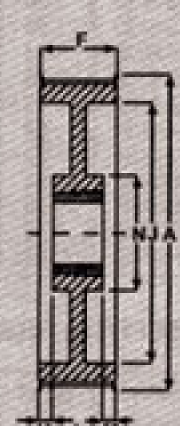
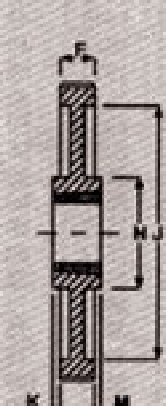


TYPE 7



TYPE 7F



TYPE 9

High Torque Pulleys

5MM PITCH HIGH TORQUE PULLEYS (15MM WIDE BELTS)

Pulley Designation	No. of Teeth	Pulley Type	Bush No.	Max Bore Metric	Max Bore Inch	Pitch Dia	Outside Dia	A	F	J	K	L	M	N
28-5-15	28	1F	*	19	3/4	44.56	43.42	49	22	-	-	30	8	31
32-5-15	32	1F	*	22	7/8	50.93	49.79	56	22	-	-	30	8	38
34-5-15	34	2F	1008	25	1	54.11	52.97	57	22	-	-	22	0	0
36-5-15	36	2F	1108	28	1 1/8	57.30	56.15	62	22	-	-	22	0	0
38-5-15	38	2F	1108	28	1 1/8	60.48	59.34	66	22	-	-	22	0	0
40-5-15	40	2F	1108	28	1 1/8	63.66	62.52	70	22	-	-	22	0	0
44-5-15	44	2F	1108	28	1 1/8	70.03	68.89	75	22	-	-	22	0	0
48-5-15	48	2F	1210	32	1 1/4	76.39	75.25	79	22	-	-	25	3	59
56-5-15	56	2F	1210	32	1 1/4	89.13	87.98	95	22	-	-	25	3	75
64-5-15	64	2F	1210	32	1 1/4	101.86	100.72	106	22	-	-	25	3	80
72-5-15	72	11	1610	42	1 5/8	114.59	113.45	-	22	-	-	25	3	92
80-5-15	80	11	1610	42	1 5/8	127.32	126.18	-	22	-	-	25	3	92
90-5-15	90	11	1610	42	1 5/8	143.24	142.10	-	22	-	-	25	3	92
112-5-15	112	11	2012	50	2	178.25	177.11	-	20	-	-	32	12	110
136-5-15	136	9	2012	50	2	216.45	215.31	-	20	199	6	32	6	106
150-5-15	150	9	2012	50	2	238.73	237.59	-	20	222	6	32	6	106

*3/8" pilot bore only.

8MM PITCH HIGH TORQUE PULLEYS (20MM WIDE BELTS)

Pulley Designation	No. of Teeth	Pulley Type	Bush No.	Max Bore Metric	Max Bore Inch	Pitch Dia	Outside Dia	A	F	J	K	L	M	N
22-8-20	22	4F	1008	25	1	56.02	54.65	62	26	41	4	22	0	-
24-8-20	24	4F	1108	28	1 1/8	61.12	59.75	70	26	44	4	22	0	-
26-8-20	26	4F	1108	28	1 1/8	66.21	64.84	75	26	44	4	22	0	-
28-8-20	28	4F	1108	28	1 1/8	71.30	70.08	79	26	50	4	22	0	-
30-8-20	30	4F	1108	28	1 1/8	76.39	75.13	86	26	55	4	22	0	-
32-8-20	32	2F	1610	42	1 5/8	81.49	80.16	90	26	0	0	26	0	-
34-8-20	34	2F	1610	42	1 5/8	86.58	85.22	95	26	0	0	26	0	-
36-8-20	36	2F	1610	42	1 5/8	91.67	90.30	98	26	0	0	26	0	-
38-8-20	38	2F	1610	42	1 5/8	96.77	95.39	106	26	0	0	26	0	-
40-8-20	40	2F	1610	42	1 5/8	101.86	100.49	111	26	0	0	26	0	-
44-8-20	44	2F	2012	50	2	112.05	110.67	119	26	0	0	32	6	92
48-8-20	48	2F	2012	50	2	122.23	120.86	135	26	0	0	32	6	104
56-8-20	56	2F	2012	50	2	142.60	141.23	151	26	0	0	32	6	111
64-8-20	64	2F	2012	50	2	162.97	161.60	169	26	0	0	32	6	111
72-8-20	72	11	2012	50	2	183.35	181.97	-	26	0	0	32	6	111
80-8-20	80	11	2012	50	2	203.72	202.35	-	26	0	0	32	6	111
90-8-20	90	11	2012	50	2	229.18	227.81	-	26	0	0	32	6	111

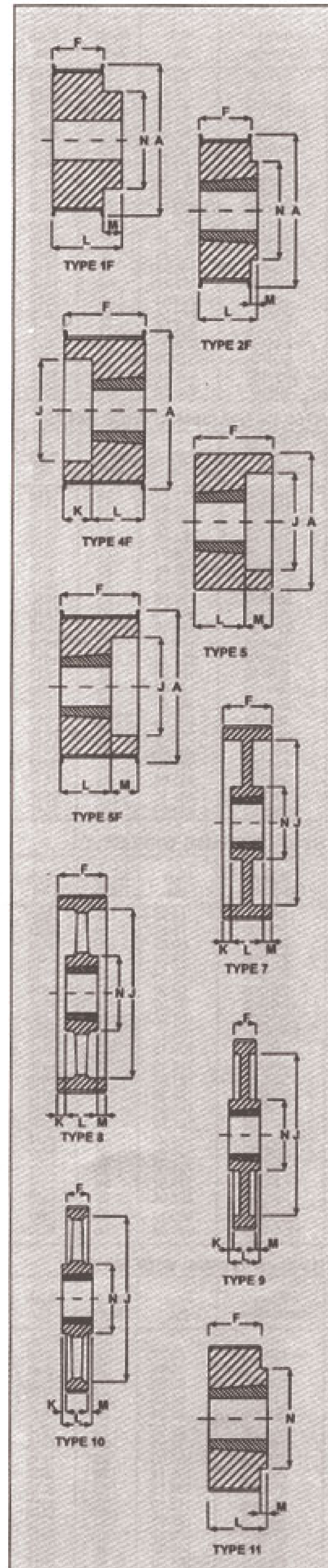
8MM PITCH HIGH TORQUE PULLEYS (30MM WIDE BELTS)

Pulley Designation	No. of Teeth	Pulley Type	Bush No.	Max Bore Metric	Max Bore Inch	Pitch Dia	Outside Dia	A	F	J	K	L	M	N
22-8-30	22	4F	1008	25	1	56.02	54.65	62	36	41	14	22	0	-
24-8-30	24	4F	1108	28	1 1/8	61.12	59.75	70	36	44	14	22	0	-
26-8-30	26	4F	1108	28	1 1/8	66.21	64.84	75	36	44	14	22	0	-
28-8-30	28	4F	1210	32	1 1/4	71.30	70.08	79	36	55	11	25	0	-
30-8-30	30	2F	1610	42	1 5/8	76.39	75.13	86	36	0	0	38	2	66
32-8-30	32	2F	1610	42	1 5/8	81.49	80.16	90	36	0	0	38	2	66
34-8-30	34	2F	1610	42	1 5/8	86.58	85.22	95	36	0	0	38	2	70
36-8-30	36	2F	1610	42	1 5/8	91.67	90.30	98	36	0	0	38	2	70
38-8-30	38	2F	1610	42	1 5/8	96.77	95.39	106	36	0	0	38	2	75
40-8-30	40	2F	1610	42	1 5/8	101.86	100.49	111	36	0	0	38	2	75
44-8-30	44	4F	2012	50	2	112.05	110.67	119	36	80	4	32	0	-
48-8-30	48	4F	2012	50	2	122.23	120.86	135	36	90	4	32	0	-
56-8-30	56	4F	2012	50	2	142.60	141.23	151	36	110	4	32	0	-
64-8-30	64	2F	2517	60	2 1/2	162.97	161.60	168	36	0	0	45	9	124
72-8-30	72	11	2517	60	2 1/2	183.35	181.97	-	36	0	0	45	9	124
80-8-30	80	11	2517	60	2 1/2	203.72	202.35	-	36	0	0	45	9	124
90-8-30	90	9	2517	60	2 1/2	229.18	227.81	-	36	198	4.5	45	4.5	124
112-8-30	112	9	2517	60	2 1/2	285.21	283.83	-	36	254	4.5	45	4.5	124
144-8-30	144	10	2517	60	2 1/2	366.69	365 32	-	36	335	4.5	45	4.5	124

8MM PITCH HIGH TORQUE PULLEYS (50MM WIDE BELTS)

Pulley Designation	No. of Teeth	Pulley Type	Bush No.	Max Bore Metric	Max Bore Inch	Pitch Dia	Outside Dia	A	F	J	K	L	M	N
28-8-50	28	4F	1210	32	1 1/4	71.30	70.08	79	57	55	32	25	0	-
30-8-50	30	4F	1610	42	1 5/8	76.39	75.13	86	57	60	19	38	0	-
32-8-50	32	4F	1610	42	1 5/8	81.49	80.16	90	57	60	19	38	0	-
34-8-50	34	4F	1610	42	1 5/8	86.58	85.22	95	57	64	19	38	0	-
36-8-50	36	4F	1610	42	1 5/8	91.67	90.30	98	57	65	19	38	0	-
38-8-50	38	5F	1610	42	1 5/8	96.77	95.39	106	57	74	0	38	19	-
40-8-50	40	4F	2012	50	2	101.86	100.49	111	57	75	25	32	0	-
44-8-50	44	5F	2012	50	2	112.05	110.67	119	57	88	0	32	25	-
48-8-50	48	5F	2012	50	2	122.23	120.86	135	57	90	0	32	25	-
56-8-50	56	5F	2517	60	2 1/2	142.60	141.23	151	57	110	0	45	12	-
64-8-50	64	5F	2517	60	2 1/2	162.97	161.60	168	57	130	0	45	12	-
72-8-50	72	5	2517	60	2 1/2	183.35	181.97	-	57	152	0	45	12	-
80-8-50	80	5	3020	75	3	203.72	202.35	-	57	172	0	51	6	-
90-8-50	90	7	3020	75	3	229.18	227.81	-	57	197	3	51	3	150
112-8-50	112	8	3020	75	3	285.21	283.83	-	57	253	3	51	3	150
144-8-50	144	8	3020	75	3	366.69	365.32	-	57	335	3	51	3	150
168-8-50	168	10	3525	100	4	427.81	426.44	-	57	396	4	65	4	198
192-8-50	192	10	3525	100	4	488.92	487.55	-	57	457	4	65	4	198

Dimensions in millimeters unless otherwise indicated. Pulley type 'F' indicates pulley is with flanges.



High Torque Pulleys

8MM PITCH HIGH TORQUE PULLEYS (85MM WIDE BELTS)

Pulley Designation	No. of Teeth	Pulley Type	Bush No.	Max Bore		Pitch Dia	Outside Dia	A	F	J	K	L	M	N
				Metric	Inch									
34-8-85	34	4F	1615	42	1 5/8	86.58	85.22	95	94	64	56	38	0	-
36-8-85	36	4F	1615	42	1 5/8	91.67	90.30	98	94	65	56	38	0	-
38-8-85	38	4F	1615	42	1 5/8	96.77	95.39	106	94	65	56	38	0	-
40-8-85	40	4F	2012	50	2	101.86	100.49	111	94	78	62	32	0	-
44-8-85	44	4F	2012	50	2	112.05	110.67	119	94	85	62	32	0	-
48-8-85	48	4F	2517	60	2 1/2	122.23	120.86	135	94	96	49	45	0	-
56-8-85	56	6F	2517	60	2 1/2	142.60	141.23	151	94	111	24.5	45	24.5	-
64-8-85	64	6F	2517	60	2 1/2	162.97	161.60	168	94	131	24.5	45	24.5	-
72-8-85	72	6	3020	75	3	183.35	181.97	-	94	152	21.5	51	21.5	-
80-8-85	80	6	3020	75	3	203.72	202.35	-	94	172	21.5	51	21.5	-
90-8-85	90	6	3020	75	3	229.18	227.81	-	94	197	21.5	51	21.5	-
112-8-85	112	7	3020	75	3	285.21	283.83	-	94	253	21.5	51	21.5	150
144-8-85	144	7	3525	100	4	366.69	365.32	-	94	335	14.5	65	14.5	198
168-8-85	168	8	3525	100	4	427.81	426.44	-	94	396	14.5	65	14.5	198
192-8-85	192	8	3525	100	4	488.92	487.55	-	94	457	14.5	65	14.5	198

14MM PITCH HIGH TORQUE PULLEYS (40MM WIDE BELT)

Pulley Designation	No. of Teeth	Pulley Type	Bush No.	Max Bore		Pitch Dia	Outside Dia	A	F	J	K	L	M	N
				Metric	Inch									
28-14-40	28	5F	2012	50	2	124.78	122.12	141	54	88	0	32	22	-
29-14-40	29	5F	2012	50	2	129.23	126.57	141	54	90	0	32	22	-
30-14-40	30	5F	2012	50	2	133.69	130.99	141	54	91	0	32	22	-
32-14-40	32	6F	2012	50	2	142.60	139.88	156	54	100	11	32	11	-
34-14-40	34	6F	2517	60	2 1/2	151.51	148.79	156	54	109	4.5	45	4.5	-
36-14-40	36	5F	2517	60	2 1/2	160.43	157.68	169	54	117	0	45	9	-
38-14-40	38	5F	2517	60	2 1/2	169.34	166.60	183	54	126	0	45	9	-
40-14-40	40	5F	2517	60	2 1/2	178.25	175.49	197	54	135	0	45	9	-
44-14-40	44	5F	3020	75	3	196.08	193.28	211	54	153	0	51	3	-
48-14-40	48	5F	3020	75	3	213.90	211.11	226	54	171	0	51	3	-
56-14-40	56	7F	3020	75	3	249.55	246.76	267	54	207	1.5	51	1.5	144
64-14-40	64	8F	3020	75	3	285.21	282.41	297	54	242	1.5	51	1.5	159
72-14-40	72	8	3020	75	3	320.86	318.06	-	54	278	1.5	51	1.5	159
80-14-40	80	7	3020	75	3	356.51	353.71	-	54	314	1.5	51	1.5	159
90-14-40	90	8	3020	75	3	401.07	398.28	-	54	362	1.5	51	1.5	159
112-14-40	112	8	3020	75	3	499.11	496.32	-	54	460	1.5	51	1.5	159
144-14-40	144	8	3020	75	3	641.71	638.92	-	54	600	1.5	51	1.5	159
168-14-40	168	8	3020	75	3	748.66	745.87	-	54	706	1.5	51	1.5	159
192-14-40	192	8	3020	75	3	855.62	852.82	-	54	812	1.5	51	1.5	159

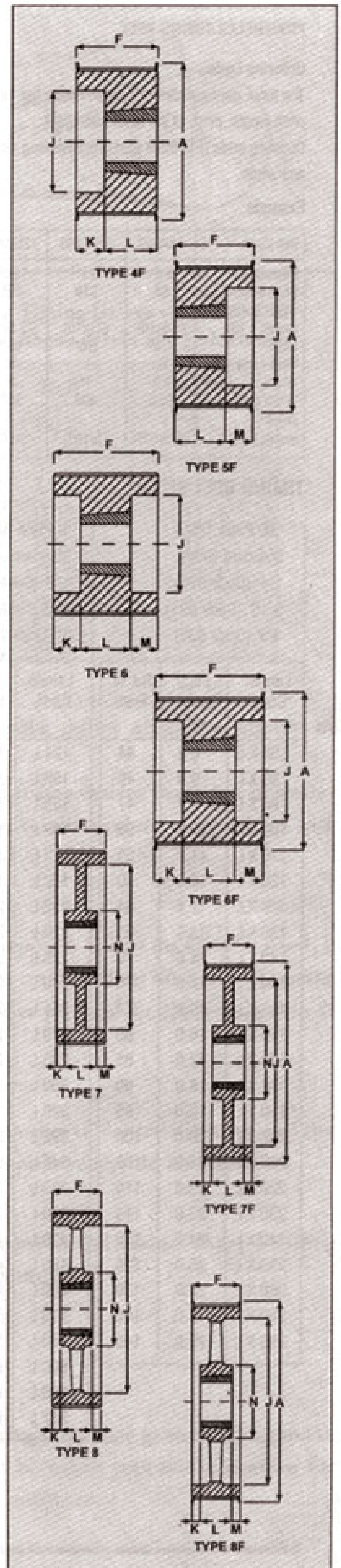
14MM PITCH HIGH TORQUE PULLEYS (55MM WIDE BELT)

Pulley Designation	No. of Teeth	Pulley Type	Bush No.	Max Bore		Pitch Dia	Outside Dia	A	F	J	K	L	M	N
				Metric	Inch									
28-14-55	28	6F	2012	50	2	124.78	122.12	141	70	90	19	32	19	-
29-14-55	29	6F	2012	50	2	129.23	126.57	141	70	91	19	32	19	-
30-14-55	30	6F	2517	60	2 1/2	133.69	130.99	141	70	98	12.5	45	12.5	-
32-14-55	32	6F	2517	60	2 1/2	142.60	139.88	156	70	100	12.5	45	12.5	-
34-14-55	34	6F	2517	60	2 1/2	151.51	148.79	156	70	109	12.5	45	12.5	-
36-14-55	36	5F	2517	60	2 1/2	160.43	157.68	169	70	117	0	45	25	-
38-14-55	38	5F	2517	60	2 1/2	169.34	166.60	183	70	126	0	45	25	-
40-14-55	40	6F	2517	60	2 1/2	178.25	175.49	197	70	135	12.5	45	12.5	-
44-14-55	44	6F	3020	75	3	196.08	193.28	211	70	153	9.5	51	9.5	-
48-14-55	48	6F	3020	75	3	213.90	211.11	226	70	171	9.5	51	9.5	-
56-14-55	56	6F	3020	75	3	249.55	246.76	267	70	207	9.5	51	9.5	-
64-14-55	64	7F	3020	75	3	285.21	282.41	297	70	242	9.5	51	9.5	159
72-14-55	72	8	3020	75	3	320.86	318.06	-	70	278	9.5	51	9.5	159
80-14-55	80	8	3020	75	3	356.51	353.71	-	70	314	9.5	51	9.5	159
90-14-55	90	8	3020	75	3	401.07	398.28	-	70	358	9.5	51	9.5	159
112-14-55	112	8	3020	75	3	499.11	496.32	-	70	456	9.5	51	9.5	159
144-14-55	144	8	3020	75	3	641.71	638.92	-	70	600	9.5	51	9.5	159
168-14-55	168	8	3020	75	3	748.66	745.87	-	70	706	9.5	51	9.5	159
192-14-55	192	8	3020	75	3	855.62	852.82	-	70	812	9.5	51	9.5	159

14MM PITCH HIGH TORQUE PULLEYS (85MM WIDE BELT)

Pulley Designation	No. of Teeth	Pulley Type	Bush No.	Max Bore		Pitch Dia	Outside Dia	A	F	J	K	L	M	N
				Metric	Inch									
28-14-85	28	6F	2517	60	2 1/2	124.78	122.12	141	102	98	27.5	45	27.5	-
29-14-85	29	6F	2517	60	2 1/2	129.23	126.57	141	102	98	27.5	45	27.5	-
30-14-85	30	6F	2517	60	2 1/2	133.69	130.99	141	102	100	27.5	45	27.5	-
32-14-85	32	6F	2517	60	2 1/2	142.60	139.88	156	102	100	27.5	45	27.5	-
34-14-85	34	6F	2517	60	2 1/2	151.51	148.79	156	102	109	27.5	45	27.5	-
36-14-85	36	6F	3020	75	3	160.43	157.68	169	102	123	25.5	51	25.5	-
38-14-85	38	6F	3020	75	3	169.34	166.60	183	102	126	25.5	51	25.5	-
40-14-85	40	6F	3020	75	3	178.25	175.49	197	102	135	25.5	51	25.5	-
44-14-85	44	6F	3020	75	3	196.08	193.28	211	102	153	25.5	51	25.5	-
48-14-85	48	6F	3020	75	3	213.90	211.11	226	102	171	25.5	51	25.5	-
56-14-85	56	6F	3525	100	4	249.55	246.76	267	102	207	18.5	65	18.5	-
64-14-85	64	6F	3525	100	4	285.21	282.41	297	102	242	18.5	65	18.5	-
72-14-85	72	7	3525	100	4	320.86	318.06	-	102	278	18.5	65	18.5	178
80-14-85	80	7	3525	100	4	356.51	353.71	-	102	314	18.5	65	18.5	178
90-14-85	90	8	3525	100	4	401.07	398.28	-	102	358	18.5	65	18.5	178
112-14-85	112	8	3525	100	4	499.11	496.32	-	102	456	18.5	65	18.5	178
144-14-85	144	8	3525	100	4	641.71	638.92	-	102	600	18.5	65	18.5	206
168-14-85	168	8	3525	100	4	748.66	745.87	-	102	706	18.5	65	18.5	206
192-14-85	192	8	4030	115	4 1/2	855.62	852.82	-	102	812	13	76	13	216

Dimensions in millimeters unless otherwise indicated. Pulley type 'F' indicates pulley is with flanges.



Standard sizes of Belts

STANDARD SIZES OF BELTS

POWERFLEX TIMING BELT

Ordering Code :

The three principal dimensions of Powerflex Timing Belts are pitch length, pitch of the teeth and width.

Ordering code is in three parts representing pitch length, pitch and width.

Example

Belt Code	88XL50	210L100	725H300	840XH200
Pitch length	8.8"	21"	72.5"	84"
Pitch length code (Pitch length in inches x 10)	88 (8.8x10)	210 (21x10)	725 (72.5x10)	840 (84x10)
Pitch	1/5"	3/8"	1/2"	7/8"
Pitch code	XL	L	H	XH
Width	0.5	1"	3"	2"
Width Code (Width in inches x 100)	050 (0.5x100)	100 (1x100)	300 (3x100)	200 (2x100)

TIMING BELT SIZES :

'XL' Pitch 1/5"
Standard width
1/4" (Code 025)
5/16" (Code 031)
3/8" (Code 037)

Length Code	Pitch Length Inch	No. of Teeth
88 X L	8.8	44
90 X L	9.0	45
94 X L	9.4	47
100 X L	10.0	50
110 X L	11.0	55
120 X L	12.0	60
128 X L	12.8	64
130 X L	13.0	65
140 X L	14.0	70
150 X L	15.0	75
156 X L	15.6	78
160 X L	16.0	80
170 X L	17.0	85
180 X L	18.0	90
190 X L	19.0	95
200 X L	20.0	100
210 X L	21.0	105
220 X L	22.0	110
230 X L	23.0	115
240 X L	24.0	120
250 X L	25.0	125
260 X L	26.0	130
280 X L	28.0	140
290 X L	29.0	145

'L' Pitch 3/8"
Standard width
1/2" (Code 050)
3/4" (Code 075)
1" (Code 100)

Length Code	Pitch Length Inch	No. of Teeth
124 L	12.375	33
150 L	15.000	40
155 L	15.375	41
165 L	16.500	44
173 L	17.250	46
187 L	18.750	50
202 L	20.250	54
210 L	21.000	56
225 L	22.500	60
240 L	24.000	64
255 L	25.500	68
270 L	27.000	72
285 L	28.500	76
300 L	30.000	80
320 L	32.000	85
322 L	32.250	86
345 L	34.500	92
367 L	36.700	98
390 L	39.000	104
420 L	42.000	112
450 L	45.000	120
480 L	48.000	128
510 L	51.000	136
540 L	54.000	144
600 L	60.000	160
660 L	66.000	176
817 L	81.700	218

'H' Pitch 1/2"
Standard width
3/4" (Code 075)
1" (Code 100)
1 1/2" (Code 150)
2" (Code 200)
3" (Code 300)

Length Code	Pitch Length Inch	No. of Teeth
240 H	24.0	48
270 H	27.0	54
300 H	30.0	60
330 H	33.0	66
350 H	35.0	70
360 H	36.0	72
375 H	37.5	75
390 H	39.0	78
400 H	40.0	80
420 H	42.0	84
450 H	45.0	90
480 H	48.0	96
510 H	51.0	102
540 H	54.0	108
570 H	57.0	114
600 H	60.0	120
630 H	63.0	126
660 H	66.0	132
700 H	70.0	140
725 H	72.5	145
750 H	75.0	150
800 H	80.0	160
850 H	85.0	170
900 H	90.0	180
1000 H	100.0	200
1100 H	110.0	220
1250 H	125.0	250
1400 H	140.0	280
1700 H	170.0	340

'XH' Pitch 7/8"
Standard width
2" (Code 200)
3" (Code 300)
4" (Code 400)

Length Code	Pitch Length Inch	No. of Teeth
507 XH	50.75	58
560 XH	56.00	64
630 XH	63.00	72
700 XH	70.00	80
770 XH	77.00	88
840 XH	84.00	96
980 XH	98.00	112
1120 XH	112.00	128
1260 XH	126.00	144

For MXL, XXH please refer to Fenner

FENNER POWERFLEX HIGH TORQUE BELTS

Ordering Code : Pitch length in mm - Pitch in mm - Width in mm
Example : 1778 - 14 M - 85
Pitch length 1778 mm, Pitch 14 mm, Belt width 85 mm

HIGH TORQUE BELT SIZES :

3M
Standard width
6 mm, 9mm & 15mm

Length Code	Pitch Length mm	No. of Teeth
174-3M	174	58
204-3M	204	68
261-3M	261	87
264-3M	264	88
312-3M	312	104
318-3M	318	106
483-3M	483	161
501-3M	501	167
633-3M	633	211

5M
Standard width
9mm, 15mm & 25 mm

Length Code	Pitch Length mm	No. of Teeth
400-5M	400	80
450-5M	450	90
500-5M	500	100
540-5M	540	108
635-5M	635	127
710-5M	710	142
835-5M	835	167
925-5M	925	185

8M
8mm Pitch
Standard width
20mm, 30mm, 50mm
& 85mm

Length Code	Pitch Length mm	No. of Teeth
480-8M	482	60
536-8M	536	67
560-8M	560	70
600-8M	600	75
632-8M	632	79
640-8M	640	80
720-8M	720	90
800-8M	800	100
840-8M	840	105
880-8M	880	110
920-8M	920	115
960-8M	960	120
1040-8M	1040	130
1120-8M	1120	140
1152-8M	1152	144
1200-8M	1200	150
1224-8M	1224	153
1280-8M	1280	160
1440-8M	1440	180
1600-8M	1600	200
1760-8M	1760	220
1800-8M	1800	225
2000-8M	2000	250
2104-8M	2104	263
2400-8M	2400	300
2600-8M	2600	325
2800-8M	2800	350
4400-8M	4400	550

14M
14mm Pitch
Standard width
40mm, 55mm, 85mm
115mm & 170mm

Length Code	Pitch Length mm	No. of Teeth
966-14M	966	69
1190-14M	1190	85
1400-14M	1400	100
1610-14M	1610	115
1778-14M	1778	127
1890-14M	1890	135
2100-14M	2100	150
2310-14M	2310	165
2450-14M	2450	175
2590-14M	2590	185
2800-14M	2800	200
3150-14M	3150	225
3360-14M	3360	240
3500-14M	3500	250
3850-14M	3850	275
4326-14M	4326	309
4578-14M	4578	327

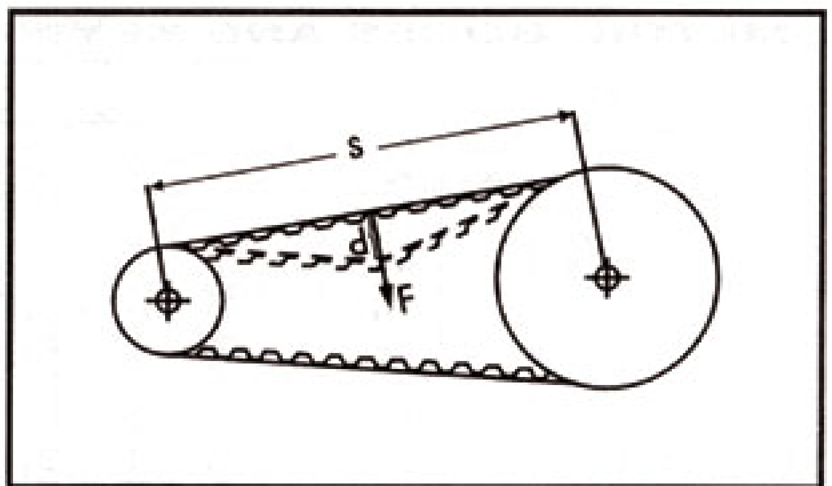
Belt sizes not listed can also be provided. Please consult Fenner.

Dimensions in millimeters unless otherwise indicated.

Belt Tension

The positive meshing of the High Torque or Timing Belt drive eliminates the need for high initial tension. The tension for any particular drive is dependent upon the duty. Thus the installed tension should be gradually increased until satisfactory operation is achieved. An estimate of the installation tension required is made as follows :

F = Mid span force (N) required to deflect the belt 20mm per metre of span length.



For HTD drives :

$$F = \frac{kW \times 477{,}500}{d \times N}$$

where

kW = Motor power or Absorbed power if known

d = Pitch diameter of either pulley in mm

N = Rev/min of same pulley

Note : Excessive belt tension will reduce belt and bearing lives and produce higher noise levels.

For Timing Drives values of F for catalogue drives are given below

Belt	F(N)
L050	2.7
L075	4.3
L100	6.1
H075	11.0
H100	15.6
H150	24.3
H200	33.4
H300	52.3

Pulley Alignment

Misalignment of drive results in unequal tension and extreme edge wear. Consequently, pulley alignment should be proved with a straight-edge and shafts checked for parallelism.

It is important that the frame supporting the pulleys be rigid at all times. A non-rigid frame causes variation in centre distance and resulting belt slackness. This, in turn, can lead to jumping of teeth - especially under starting load with shaft misalignment.

Drive Idlers

Idlers, either inside or outside type, can be used for tensioning or power takeoff purposes. When an idler is used, it should be on the slack side of the belt. Inside idlers should have teeth when they are smaller than 40-tooth diameter. Smooth idlers should not be crowned, flanges can be used to control tracking. The idler pulleys should be equal to or greater than the smaller pulley diameter, and the arc of contact kept to a minimum.

Belt Handling

On installation, the belt should never be forced or prised over the pulley flange. Reduction of centre distance or idler tension usually permits the belt to slide on to the pulley easily. Otherwise one or both pulleys should be removed.

Belt Storage

To ensure smooth operation and prevent premature failure, belts in storage should be protected against sharp bending or creasing. They should not be subjected to extreme heat, low temperature or high humidity.

Ambient Temperature during operation

Belt performance is unaffected by temperatures ranging between -34°C to 85°C

Environmental Condition

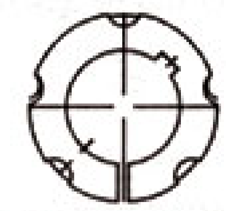
High debris environments can cause belt damage by packaging into pulley groves, causing improper groove engagement. Debris built up will reduce belt life, and increase pulley wear. Type of debris must be taken into consideration for severity of wear. Care should be taken to protect drive from corrosive chemicals and moisture.

Pulley Selection Suggestions

- Pulley diameter should not be smaller than the belt's width.
- If centre distance is more than 8 times the diameter of smaller pulley, both the pulleys should be flanged.
- Never crimp fibre glass cord belts. Crimping will cause damage to fibres, resulting in premature belt failure.

METRIC BORES AND KEYWAYS

Bore Dia.	Keyway		Shallow Keyway Depth	Catalogue Code Group 029...																
	Width	Depth		1008 AO	1108 BO	1210 CO	1215 DO	1310 EO	1610 GO	1615 HO	2012 KO	2517 MO	2525 NO	3020 PO	3030 QO	3525 JO	3535 RO	4030 SO	4545 TO	5050 UO
9	3	1.4	-	...009	009															
10	3	1.4	-	...010	010															
11	4	1.8	-	...011	011	011	011													
12	4	1.8	-	...012	012	012	012													
14	5	2.3	-	...014	014	014	014	014	014	014	014									
16	5	2.3	-	...016	016	016	016	016	016	016	016	016								
18	6	2.8	-	...018	018	018	018	018	018	018	018	018								
19	6	2.8	-	...019	019	019	019	019	019	019	019	019	019							
20	6	2.8	-	...020	020	020	020	020	020	020	020	020	020							
22	6	2.8	-	...022	022	022	022	022	022	022	022	022	022							
24	8	3.3	1.3	...024*	024	024	024	024	024	024	024	024	024							
25	8	3.3	1.3	...025*	025	025	025	025	025	025	025	025	025	025						
28	8	3.3	1.3		028*	028	028	028	028	028	028	028	028	028						
30	8	3.3	-			030	030	030	030	030	030	030	030	030						
32	10	3.3	1.3			032*	032*	032	032	032	032	032	032	032						
35	10	3.3	1.3					035*	035	035	035	035	035	035	035		035			
38	10	3.3	-						038	038	038	038	038	038	038		038			
40	12	3.3	1.3						040*	040*	040	040	040	040	040		040	040		
42	12	3.3	1.3						042*	042*	042	042	042	042	042		042	042		
45	14	3.8	-								045	045	045	045	045		045	045		
48	14	3.8	-								048	048	048	048	048	048	048	048		
50	14	3.8	2.8								050*	050	050	050	050	050	050	050		
55	16	4.3	-									055	055	055	055	055	055	055	055	
60	18	4.4	-									060	060	060	060	060	060	060	060	
65	18	4.4	-											065	065	065	065	065	065	
70	20	4.9	-											070	070	070	070	070	070	070
75	20	4.9	-											075	075	075	075	075	075	075
80	22	5.4	-													080	080	080	080	080
85	22	5.4	-													085	085	085	085	085
90	25	5.4	3.4													090*	090*	090	090	090
95	25	5.4	-															095	095	095
100	28	6.4	5.4															100*	100	100
105	28	6.4	-																105	105
110	28	6.4	-																110	110
115	32	7.4	-																	115
120	32	7.4	-																	120
125	32	7.4	-																	125
Nominal dia at large end of taper				35.0	38.0	47.5	47.5	51.0	57.0	57.0	70.0	85.5	85.5	108.0	108.0	127.0	127.0	146.0	162.0	177.5
Approx. Mass of Bush (Kg)				0.1	0.1	0.2	0.3	0.3	0.3	0.5	0.7	1.5	1.9	2.7	3.6	3.8	5.0	7.7	10	14



3 Hexagon Socket Cap Screws Supplied

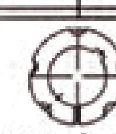
2 Hexagon Grub Screws Supplied

DIMENSIONS IN MILLIMETRES

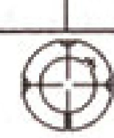
Keyways are British Standard Metric B.S. 4235: Part 1: 1972 and conform to I.S.O. recommendations except for the bore sizes marked* which are shallower.
Where a key is to be used it should be parallel and side fitting with top clearance. Depth of keyway is measured at CROWN.
Note : Griplock Bushes with imperial bores can also be supplied as 'specials' subject to minimum quantity restrictions. Consult Fenner.

IMPERIAL BORES AND KEYWAYS

Bore Dia.	Keyway		Shallow Keyway Depth	Catalogue Code Group 029...																
	Width	Depth		1008 AO	1108 BO	1210 CO	1215 DO	1310 EO	1610 GO	1615 HO	2012 KO	2517 MO	2525 NO	3020 PO	3030 QO	3525 JO	3535 RO	4030 SO	4545 TO	5050 UO
0.375	0.125	0.060	-	0375	0375															
0.500	0.125	0.060	-	0500	0500	0500	0500	0500	0500	0500										
0.625	0.188	0.088	-	0625	0625	0625	0625	0625	0625	0625										
0.750	0.188	0.088	-	0750	0750	0750	0750	0750	0750	0750	0750	0750								
0.875	0.250	0.115	-	0875	0875	0875	0875	0875	0875	0875	0875	0875	0875							
1.000	0.250	0.115	0.052	1000*	1000	1000	1000	1000	1000	1000	1000	1000	1000							
1.125	0.312	0.112	0.064		1125*	1125	1125	1125	1125	1125	1125	1125	1125							
1.250	0.312	0.112	-			1250	1250	1250	1250	1250	1250	1250	1250	1250	1250					
1.375	0.375	0.108	-					1375	1375	1375	1375	1375	1375	1375	1375					
1.500	0.375	0.108	-						1500	1500	1500	1500	1500	1500	1500	1500	1500			
1.625	0.438	0.135	0.103						1625*	1625*	1625	1625	1625	1625	1625	1625	1625			
1.750	0.438	0.135	-								1750	1750	1750	1750	1750	1750	1750	1750		
1.875	0.500	0.131	-								1875	1875	1875	1875	1875	1875	1875	1875		
2.000	0.500	0.131	-								2000	2000	2000	2000	2000	2000	2000	2000		
2.125	0.625	0.185	-									2125	2125	2125	2125	2125	2125	2125		
2.250	0.625	0.185	-									2250	2250	2250	2250	2250	2250	2250	2250	
2.375	0.625	0.185	-									2375	2375	2375	2375	2375	2375	2375	2375	
2.500	0.625	0.185	0.153									2500	2500*	2500	2500	2500	2500	2500	2500	
2.625	0.750	0.209	0.153											2625	2625	2625	2625	2625	2625	
2.750	0.750	0.209	-											2750	2750	2750	2750	2750	2750	2750
2.875	0.750	0.209	-											2875	2875	2875	2875	2875	2875	2875
3.000	0.750	0.209	-											3000	3000	3000	3000	3000	3000	3000
3.125	0.875	0.264	-													3125	3135	3125	3125	3125
3.250	0.875	0.264	-													3250	3250	3250	3250	3250
3.375	0.875	0.264	-													3375	3375	3375	3375	3375
3.500	0.875	0.264	-													3500	3500	3500	3500	3500
3.750	1.000	0.318	-															3750	3750	3750
4.000	1.000	0.318	-															4000	4000	4000
4.250	1.250	0.366	-																4250	4250
4.500	1.250	0.366	-																4500	4500
4.750	1.250	0.366	-																	4750
5.000	1.250	0.366	-																	5000
Nominal dial at large end of Taper (in mm.)				35.0	38.0	47.5	47.5	51.0	57.0	57.0	70.0	85.5	85.5	108.0	108.0	127.0	127.0	146.0	162.0	177.5
Approx. Mass of Bush (Kg)				0.1	0.1	0.2	0.3	0.3	0.3	0.5	0.7	1.5	1.9	2.7	3.6	3.8	5.0	7.7	10	14



3 Hexagon Socket Cap Screws Supplied



2 Hexagon Grub Screws Supplied

DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED

Keyways are as per British Standard B.S. 46 : Part 1: 1958 except for the bore sizes marked* which are shallow.
Where a key is to be used it should be parallel and side fitting with top clearance. Depth of keyway is measured at CROWN.