



SPROCKETS & IDLER SPROCKETS

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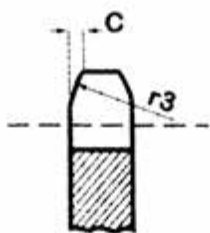
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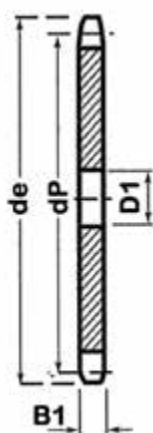


40-1 Plate Wheel



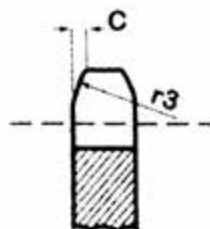
Pinions	mm
Tooth Radius r3	13.5
Radius Width C	1.6
Tooth Width B1	7.2

Chain	mm
Pitch	12.7
Inside	7.92
Roller ø	7.92



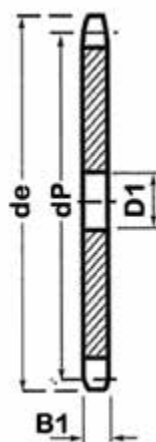
Teeth	de	dp	D1	App. Kg
15	67.2	61.09	10	0A
21	91.3	85.22	14	0A
42	176.6	169.95	16	1.13
48	200.8	194.18	20	1.46
50	208.9	202.26	20	1.70
55	229.1	222.46	20	2.08
60	249.3	242.66	20	2.13
65	269.5	262.86	20	2.25
70	289.7	283.07	25	3.28
72	297.8	291.16	25	3.51
76	313.9	307.33	25	3.70

60-1 Plate Wheel



Pinions	mm
Tooth Radius r3	20
Radius Width C	2.4
Tooth Width B1	11.7

Chain	mm
Pitch	19.05
Inside	12.7
Roller ø	11.91



Teeth	de	dp	D1	App. Kg
42	265.2	254.93	25	4.53
48	301.5	291.27	25	5.75
50	313.6	303.39	25	6.45
55	343.9	333.70	25	7.82
60	374.2	363.99	25	9.19
65	404.5	394.29	30	10.65
70	434.9	424.60	30	12.45
72	447.0	436.74	30	13.22
76	471.2	460.99	30	14.78

80-1 Plate Wheel

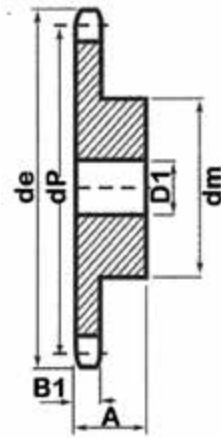
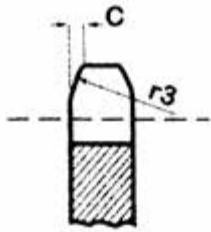
Pinions	mm
Tooth Radius r3	27
Radius Width C	3.2

Teeth	de	dp	D1	App. Kg
17	150	138.22	20	0A

Finer Power Transmissions stocks a range of ASA high quality steel sprockets. They are complete with induction hardened teeth, thus improving the sprockets resistance to wear and increasing the sprockets working life.

All Finer sprockets are engineered in accordance with the stringent ISO 9000 standards.

25-1 Sprocket

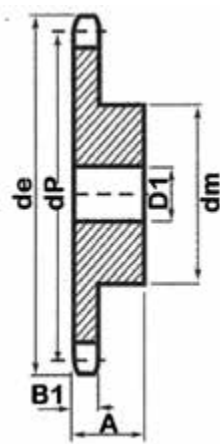
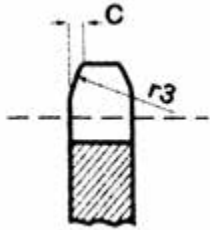


Pinions	mm
Tooth Radius r3	6
Radius Width C	0.6
Tooth Width B1	2.9

Chain	mm
Pitch	6.35
Inside	3.18
Roller ø	3.3

Teeth	de	dp	Simplex		
			dm	D1	A
9	18.1	16.59	10	5	15
10	22.3	20.55	11	5	15
11	24.3	22.54	14	6	15
12	26.4	24.33	16	6	15
13	28.5	26.53	18	6	15
14	30.5	28.53	20	6	15
15	32.5	30.55	22	6	15
16	34.5	32.55	24	8	15
17	36.5	34.55	26	8	15
18	38.5	36.56	28	8	15
19	40.5	38.58	30	8	15
20	42.5	40.58	32	8	15
21	44.6	42.60	34	8	15
22	46.6	44.62	36	8	15
23	48.6	46.63	38	8	15
24	50.6	48.64	40	8	15
25	52.6	50.66	42	8	18
26	54.6	52.67	44	10	18
27	56.51	54.69	46	10	18
28	58.7	56.71	48	10	18
29	60.7	58.73	48	10	18
30	62.7	60.75	48	12	18
35	72.8	70.84	50	12	18
38	78.8	76.89	50	12	18
45	93.0	91.03	50	12	18
50	104	102	50	12	20
57	117.2	115.27	OA	OA	OA
76	155.6	153.66	OA	OA	OA

35-1 Sprocket



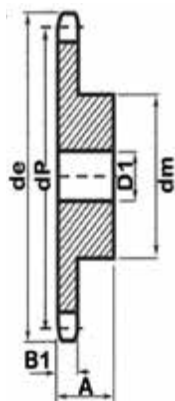
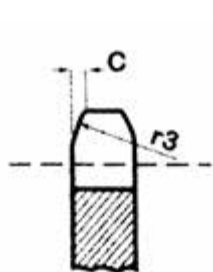
Pinions	mm
Tooth Radius r3	10
Radius Width C	1.2
Tooth Width B1	4.3

Chain	mm
Pitch	9.525
Inside	4.77
Roller ø	5.08

Teeth	de	dp	Simplex			
			dm	D1	A	App. Kg
9	28.6	24.89	15	8	20	0.04
10	31.5	27.85	18	8	20	0.06
11	34.5	20.82	20	8	20	0.09
12	40.5	36.8	25	8	25	0.10
13	43.5	39.80	28	8	25	0.11
14	46.5	42.80	31	8	25	0.12
15	49.5	45.81	34	8	25	0.14
16	52.5	48.82	37	10	28	0.18
17	55.5	51.83	40	10	28	0.20
18	58.6	54.85	43	10	28	0.23
19	61.6	57.87	45	10	28	0.25
20	64.6	60.89	46	10	28	0.31
21	67.6	63.91	48	12	28	0.36
22	70.6	66.93	50	12	28	0.37
23	73.7	69.95	52	12	28	0.39
24	76.7	72.97	54	12	28	0.40
25	79.7	76.00	57	12	28	0.41
26	82.7	79.02	60	12	28	0.42
27	85.7	82.04	60	12	28	0.44
28	88.8	85.07	60	12	28	0.45
29	91.8	88.09	60	12	28	0.47
30	94.8	91.12	60	12	28	0.48
38	119.0	115.34	70	16	30	0.77
40	125.1	121.40	70	16	30	0.81
57	177.5	172.91	OA	OA	OA	1.27
60	186.6	181.99	OA	OA	OA	1.34



40-1 Sprocket

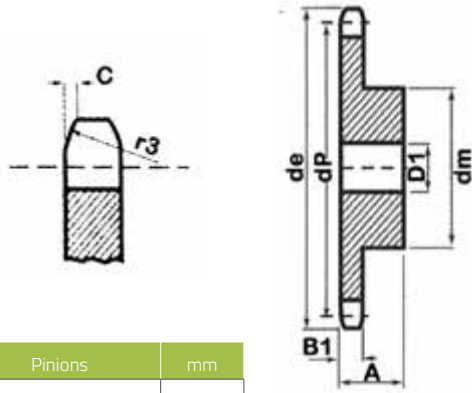


Pinions	mm
Tooth Radius r3	13.5
Radius Width C	1.6
Tooth Width B1	7.2

Chain	mm
Pitch	12.7
Inside	7.94
Roller ø	7.94

Teeth	de	dp	Simplex			
			dm	D1	A	App. Kg
9	43.2	37.13	24	10	25	0.14
10	47.2	41.10	26	10	25	0.15
11	51.2	45.07	29	10	25	0.17
12	55.2	49.07	33	10	28	0.24
13	59.2	53.06	37	10	28	0.25
14	63.2	57.07	41	10	28	0.31
15	67.2	61.09	45	10	28	0.33
16	71.2	65.10	50	12	28	0.37
17	75.2	69.11	52	12	28	0.51
18	79.2	73.14	56	12	28	0.54
19	83.3	77.16	60	12	28	0.65
20	87.3	81.19	64	12	28	0.76
21	91.3	85.22	68	14	28	0.82
22	95.4	89.24	70	14	28	0.88
23	99.4	93.27	70	14	28	1.05
24	103.4	97.29	70	14	28	1.07
25	107.4	101.33	70	14	28	1.13
26	111.5	105.36	70	16	30	1.15
27	115.5	109.40	70	16	30	1.19
28	119.5	113.42	70	16	30	1.30
29	123.6	117.46	80	16	30	1.33
30	127.6	121.50	80	16	30	1.36
32	135.7	129.56	90	16	30	1.46
35	147.8	141.68	90	16	30	1.61
38	159.9	153.80	90	16	35	1.78
40	168.0	161.87	90	16	35	1.88
42	176.6	169.95	OA	OA	OA	1.97
50	208.9	202.26	OA	OA	OA	3.00
55	229.1	222.46	OA	OA	OA	3.14
57	237.2	230.54	OA	OA	OA	3.28
60	249.3	242.66	OA	OA	OA	3.45

60-1 Sprocket

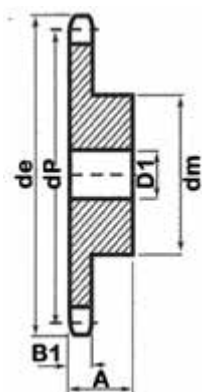
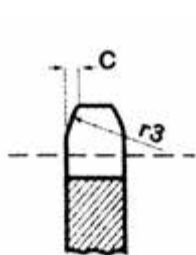


Pinions	mm
Tooth Radius r3	20
Radius Width C	2.4
Tooth Width B1	11.6

Chain	mm
Pitch	19.05
Inside	12.7
Roller ϕ	11.91

Teeth	de	dp	Simplex			
			dm	D1	A	App. Kg
9	64.0	55.70	37	12	30	0.35
10	70.0	61.64	42	12	30	0.41
11	76.0	67.61	46	16	35	0.53
12	81.9	73.6	52	16	35	0.67
13	87.9	79.59	58	16	35	0.75
14	94.0	85.61	64	16	35	0.91
15	100.0	91.63	70	16	35	1.14
16	106.0	97.65	75	16	35	1.27
17	112.0	103.67	80	16	35	1.46
18	118.0	109.71	80	16	35	1.69
19	124.1	115.75	80	16	35	1.78
20	130.1	121.78	80	16	35	2.10
21	136.2	127.82	80	16	35	2.10
22	142.2	133.86	90	20	40	2.38
23	148.2	139.90	90	20	40	2.49
24	154.3	145.94	90	20	40	2.62
25	160.3	152.00	90	20	40	2.78
26	166.4	158.04	95	20	40	2.89
27	172.4	164.09	95	20	40	3.05
28	178.5	170.13	95	20	40	3.12
29	184.5	176.19	95	20	40	3.30
30	190.6	182.25	95	20	40	3.44
32	202.7	194.35	95	20	40	3.75
34	214.8	206.46	95	OA	40	3.99
38	239.0	230.69	100	25	40	4.92
40	251.1	242.81	100	25	40	5.22

80-1 Sprocket



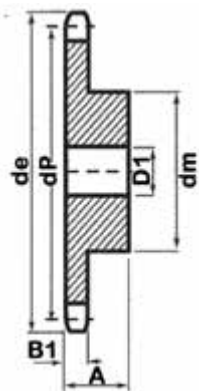
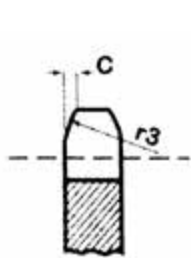
Pinions	mm
Tooth Radius r3	27
Radius Width C	3.2
Tooth Width B1	14.6

Chain	mm
Pitch	25.4
Inside	15.88
Roller ø	15.88

Teeth	de	dp	Simplex			
			dm	D1	A	App. Kg
8	77.0	66.37	42	16	35	0A
9	85.8	72.47	50	16	35	0A
10	93.8	82.19	55	16	35	0A
11	101.7	90.14	61	16	40	1.45
12	109.7	98.14	69	16	40	1.82
13	117.7	106.12	78	16	40	1.92
14	125.7	114.15	84	16	40	2.09
15	133.7	122.17	92	16	40	2.59
16	141.8	130.20	100	20	45	3.00
17	149.8	138.22	100	20	45	3.18
19	165.9	154.33	100	20	45	3.86
20	173.9	162.38	100	20	45	4.09
21	182.0	170.43	110	20	50	4.54
22	190.1	178.48	110	20	50	4.99
23	198.1	186.53	110	20	50	5.08
24	208	194.6	108	25	45	0A
25	215	202.72	110	20	50	0A
26	224	210.72	108	25	45	0A
27	230	218.79	120	20	50	0A
28	237	226.86	120	20	50	0A
29	245	234	108	25	45	0A
30	255	243	108	25	45	0A
38	319.2	307.59	120	25	50	11.12



100-1 Sprocket

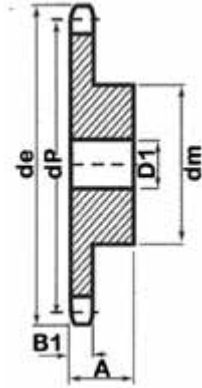
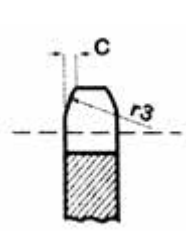


Pinions	mm
Tooth Radius r3	33.5
Radius Width C	4.0
Tooth Width B1	0A

Chain	mm
Pitch	31.75
Inside	19.05
Roller ø	19.05

Teeth	de	dp	Simplex		
			dm	D1	A
9	108	92.84	63	20	40
10	117.9	102.74	70	20	40
11	127.8	112.68	77	20	45
12	137.8	122.68	88	20	45
13	147.8	132.65	98	20	45
14	157.8	142.68	108	20	45
15	167.9	152.72	118	20	45
16	177.9	162.75	120	25	50
17	187.9	172.78	120	25	50
18	198	182.85	120	25	50
20	218.1	202.98	120	25	50
21	228.2	213.04	140	25	55
22	238.3	223.11	140	25	55
23	248.3	233.17	140	25	55
24	258.4	243.23	140	25	55
25	268.5	253.33	140	25	55
26	278.6	263.4	0A	0A	0A
27	288.6	273.4	0A	0A	0A
28	298.7	283.56	0A	0A	0A
29	308.8	293.65	0A	0A	0A
30	318.9	303.75	0A	0A	0A
38	399.6	384.49	0A	0A	0A

120-1 Sprocket



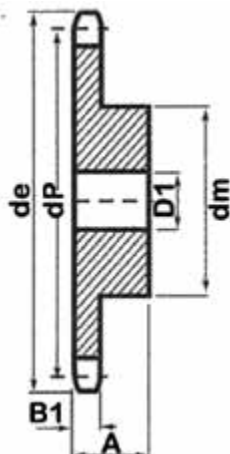
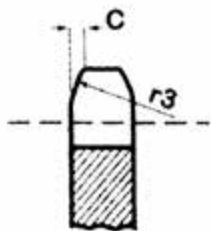
Pinions	mm
Tooth Radius r3	40.5
Radius Width C	4.8
Tooth Width B1	OA

Chain	mm
Pitch	38.1
Inside	25.4
Roller ϕ	22.225

Teeth	de	dp	Simplex		
			dm	D1	A
9	130.88	111.4	70	20	45
10	142.77	123.29	80	20	45
11	154.71	135.21	90	25	50
12	166.69	147.22	102	25	50
13	178.68	159.18	114	25	50
14	190.7	171.22	128	25	50
15	202.73	183.26	140	25	50
16	214.77	195.29	136	25	55
17	226.83	207.35	140	25	55
18	238.89	219.41	140	25	55
20	263.03	243.55	140	25	55
21	270.5	255.65	OA	OA	OA
22	287.2	267.77	OA	OA	OA
23	294.5	279.8	OA	OA	OA
24	307	291.88	OA	OA	OA
25	323.47	303.99	150	30	60
26	331	316.08	OA	OA	OA
27	343	328.19	OA	OA	OA
28	355	340.27	OA	OA	OA
29	367.5	352.38	OA	OA	OA
30	383.97	364.49	OA	OA	OA
38	480.85	461.37	OA	OA	OA

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05B-1 Sprocket



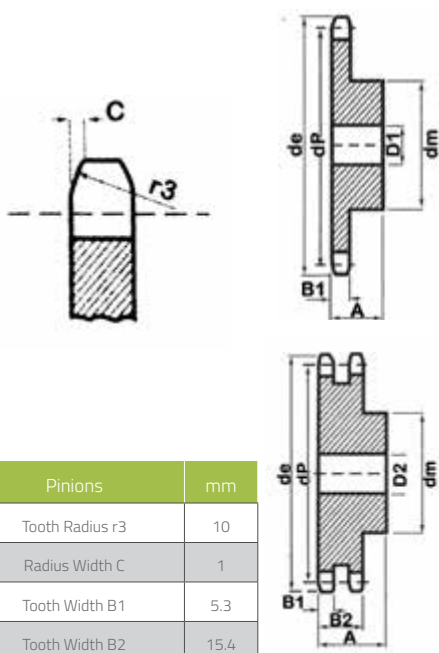
Pinions	mm
Tooth Radius r3	8
Radius Width C	1
Tooth Width B1	2.8

Chain	mm
Pitch	8
Inside	3
Roller ø	5

Teeth	de	dp	Simplex		
			dm	D1	A
9	25.09	23.99	15	6	12
10	28.4	25.89	17	6	12
11	31	28.39	18	7	13
12	33.7	30.91	20	7	13
13	36.7	33.42	23	7	13
14	39.2	35.95	25	7	13
15	41.7	48.48	28	7	13
16	44.2	41.01	30	8	14
17	46.7	43.53	30	8	14
18	49.2	46.07	30	8	14
19	51.7	48.61	30	8	14
20	54.2	51.14	30	8	14
22	59.2	56.21	35	8	14
23	62.2	58.75	35	8	14
24	64.7	61.29	35	8	14
25	67.2	63.83	35	8	14
26	69.7	66.37	40	10	16
27	72.3	68.91	40	10	16
28	74.7	71.45	40	10	16
29	77.3	73.99	40	10	16
30	80.2	76.53	40	10	16
32	85.2	81.61	40	12	16
34	90.2	86.7	40	12	16
36	95.2	91.79	40	12	16
38	100.2	96.88	40	12	16
40	105.2	102	40	12	16
57	149.3	145.2	80	14	20



06B-1-2 Sprocket

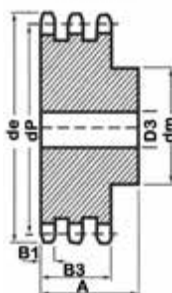
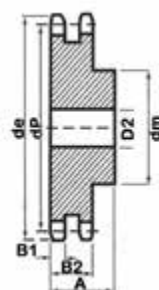
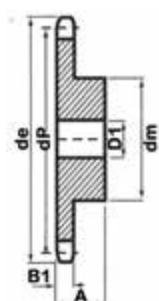
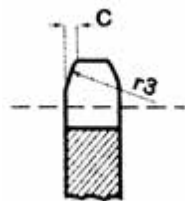


Pinions	mm
Tooth Radius r3	10
Radius Width C	1
Tooth Width B1	5.3
Tooth Width B2	15.4

Chain	mm
Pitch	9.53
Inside	5.72
Roller ø	6.35

Teeth	de	dp	Simplex				Duplex			
			dm	D1	A	App. Kg	dm	D2	A	App. Kg
8	28.6	24.89	15	8	20	0.03	-	-	-	-
9	31.5	27.85	18	8	20	0.04	18	8	25	0.04
10	34.5	30.82	20	8	20	0.06	20	8	25	0.11
11	37.5	33.8	22	8	25	0.09	22	10	30	0.13
12	40.5	36.8	25	8	25	0.10	25	10	30	0.16
13	43.5	39.8	28	8	25	0.11	28	10	30	0.20
14	46.5	42.8	31	8	25	0.12	31	10	30	0.25
15	49.5	45.81	34	8	25	0.14	34	10	30	0.29
16	52.5	48.82	37	10	28	0.18	37	12	30	0.34
17	55.5	51.83	40	10	28	0.20	40	12	30	0.39
18	58.6	54.85	43	10	28	0.23	43	12	30	0.45
19	61.6	57.87	45	10	28	0.25	46	12	30	0.52
21	67.6	63.91	48	12	28	0.36	52	16	30	0.68
22	70.6	66.93	50	12	28	0.37	55	16	30	0.75
23	73.7	69.95	52	12	28	0.39	58	16	30	0.80
24	76.7	72.97	54	12	28	0.40	61	16	30	0.84
25	79.7	76	57	12	28	0.41	64	16	30	0.89
26	82.7	79.02	60	12	28	0.42	67	16	30	0.91
27	85.7	82.04	60	12	28	0.44	70	16	30	1.00
28	88.8	85.07	60	12	28	0.45	73	16	30	1.07
29	91.8	88.09	60	12	28	0.47	76	16	30	1.14
30	94.8	91.12	60	12	28	0.48	79	16	30	1.22
31	97.9	94.15	65	14	30	0.51	-	-	-	-
32	100.9	97.17	65	14	30	0.56	-	-	-	-
33	103.9	100.2	65	14	30	0.62	-	-	-	-
34	106.9	103.2	65	14	30	0.66	-	-	-	-
35	110	106.3	65	14	30	0.68	-	-	-	-
36	113	109.3	70	16	30	0.71	-	-	-	-
37	116	112.3	70	16	30	0.74	-	-	-	-
38	119	115.3	70	16	30	0.77	90	16	30	1.72
39	122.1	118.4	70	16	30	0.79	-	-	-	-
40	125.1	121.4	70	16	30	0.81	-	-	-	-
45	140.2	136.5	75	16	30	0.91	90	19	35	2.35
48	149.7	145.6	75	16	30	-	90	20	35	-
57	176.6	172.9	75	19	30	1.27	90	20	35	3.47
76	234.2	230.5	75	19	30	1.91	90	20	38	5.67
95	291.8	288.1	75	19	30	2.61	95	25	38	8.64
114	349.4	345.7	75	19	30	3.63	95	25	38	11.12
120	-	-	-	-	-	-	-	-	-	-

08B-1-2-3 Sprocket

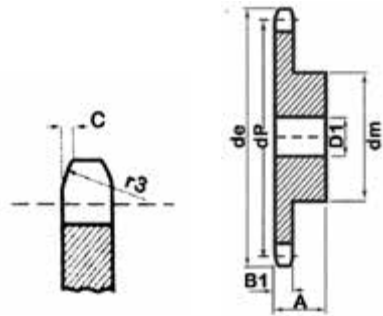


Pinions	mm
Tooth Radius r3	13
Radius Width C	1.3
Tooth Width B1	7.2
Tooth Width B2	21
Tooth Width B3	34.9

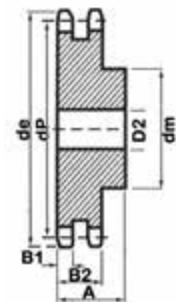
Chain	mm
Pitch	12.7
Inside	7.75
Roller ϕ	8.51

Teeth	de	dp	Simplex				Duplex				Triplex			
			dm	D1	A	App.Kg	dm	D2	A	App.Kg	dm	D3	A	App. Kg
8	38	33.18	20	10	25	0.13	-	-	-	-	-	-	-	-
9	42	37.13	24	10	25	0.14	24	10	32	0.18	-	-	-	-
10	45.9	41.1	26	10	25	0.15	28	10	32	0.22	-	-	-	-
11	49.9	45.07	29	10	25	0.17	32	12	35	0.24	-	-	-	-
12	53.9	49.07	33	10	28	0.24	35	12	35	0.26	-	-	-	-
13	57.9	53.06	37	10	28	0.25	38	12	35	0.28	38	16	50	0.59
14	61.9	57.07	41	10	28	0.31	42	12	35	0.34	42	16	50	0.72
15	65.9	61.09	45	10	28	0.33	46	12	35	0.36	46	16	50	0.81
16	69.9	65.1	50	12	28	0.37	50	16	38	0.40	50	16	50	0.90
17	74	69.11	52	12	28	0.51	54	16	38	0.44	54	16	50	1.04
18	78	73.14	56	12	28	0.54	58	16	38	0.49	58	16	50	1.22
19	82	77.16	60	12	28	0.65	62	16	38	0.57	62	16	50	1.41
21	90.1	85.22	68	14	28	0.82	70	16	40	0.72	70	16	55	1.81
22	94.1	89.24	70	14	28	0.88	70	16	40	0.80	70	16	55	2.03
23	98.1	93.27	70	14	28	1.05	70	16	40	0.83	70	16	55	2.27
24	102.1	97.29	70	14	28	1.07	75	16	40	0.94	75	16	55	2.44
25	106.2	101.3	70	14	28	1.13	80	16	40	0.98	80	16	55	2.54
26	110.2	105.4	70	16	30	1.15	85	16	40	1.04	85	20	55	OA
27	114.2	109.4	70	16	30	1.19	85	16	40	1.08	85	20	55	2.85
28	118.3	113.4	70	16	30	1.30	90	16	40	1.10	90	20	55	3.16
29	121	117.5	80	11	30	OA	95	20	40	OA	95	20	55	OA
30	126.3	121.5	80	16	30	1.36	100	16	40	1.16	95	20	55	3.48
31	130.4	125.5	90	16	30	1.41	100	120	40	OA	-	-	-	-
32	134.4	129.6	90	16	30	1.46	100	20	40	1.24	-	-	-	-
33	138.4	133.6	90	16	30	1.51	100	20	40	OA	-	-	-	-
34	142.5	137.6	90	16	30	1.56	100	20	40	1.33	-	-	-	-
35	146.5	141.7	90	16	30	1.61	100	20	40	OA	-	-	-	-
36	150.6	145.7	90	16	35	1.69	100	20	40	2.05	-	-	-	-
37	154.6	149.8	90	16	35	1.74	100	20	40	OA	-	-	-	-
38	158.6	153.8	90	16	35	1.78	100	20	40	2.17	120	25	55	6.49
39	162.7	157.8	90	16	35	1.83	100	20	40	OA	-	-	-	-
40	166.7	161.9	90	16	35	1.88	100	20	40	2.28	-	-	-	-
41	171	165.9	-	-	-	-	110	20	50	OA	-	-	-	-
42	176.5	170	90	19	35	1.97	110	20	50	2.32	-	-	-	-
43	179	174	-	-	-	-	110	20	50	OA	-	-	-	-
44	185	178	-	-	-	-	110	20	50	OA	-	-	-	-
45	188.6	182.1	90	19	35	2.11	110	20	50	2.49	-	-	-	-
46	193	186.1	-	-	-	-	110	20	50	OA	-	-	-	-
48	200.7	194.2	100	19	35	2.76	110	20	45	2.65	-	-	-	-
50	208.8	202.3	88	20	42	2.90	-	-	-	-	-	-	-	-
55	229	222.5	88	20	42	3.15	-	-	-	-	-	-	-	-
57	233.1	230.5	100	19	35	3.28	110	25	45	3.88	120	25	60	12.62
60	249.2	242.7	100	19	35	3.45	-	-	-	-	-	-	-	-
76	313.9	307.3	100	19	35	5.73	120	30	45	6.60	130	30	65	22.23
95	390.7	384.1	100	25	35	8.90	120	30	45	9.89	-	-	-	-
114	467.4	460.9	100	25	35	11.17	120	30	45	12.88	-	-	-	-

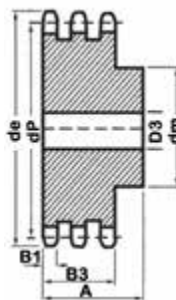
10B-1-2-3 Sprocket



Pinions	mm
Tooth Radius r3	16
Radius Width C	1.6
Tooth Width B1	9.1
Tooth Width B2	25.5
Tooth Width B3	42.1

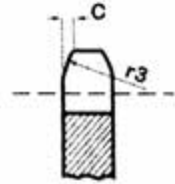


Chain	mm
Pitch	15.88
Inside	9.65
Roller ø	10.2



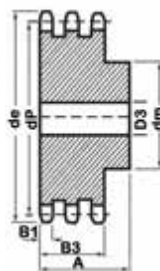
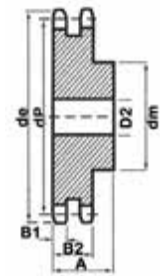
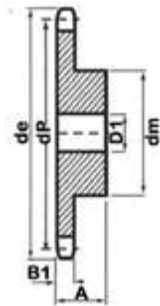
Teeth	de	dp	Simplex				Duplex				Triplex			
			dm	D1	A	App.Kg	dm	D2	A	App.Kg	dm	D3	A	App. Kg
8	48.4	41.48	25	10	25	0.09	-	-	-	-	-	-	-	-
9	53.3	46.42	30	10	25	0.14	30	12	40	0.31	-	-	-	-
10	58.3	51.37	35	10	25	0.23	35	12	40	0.39	-	-	-	-
11	63.2	56.35	37	12	30	0.27	39	16	40	0.44	-	-	-	-
12	68.2	61.34	42	12	30	0.32	44	16	40	0.57	-	-	-	-
13	73.2	66.32	47	12	30	0.36	49	16	40	0.71	-	-	-	-
14	78.2	71.34	52	12	30	0.45	54	16	40	0.84	54	16	55	OA
15	83.2	76.36	57	12	30	0.59	59	16	40	1.01	-	-	-	-
16	88.3	81.37	60	12	30	0.68	64	16	45	1.19	-	-	-	-
17	93.3	86.39	60	12	30	0.82	69	16	45	1.38	-	-	-	-
18	98.3	91.42	70	14	30	0.91	74	16	45	1.62	74	16	60	OA
19	103.3	96.45	70	14	30	1.04	79	16	45	1.77	79	16	60	OA
21	113.4	106.5	75	16	30	1.18	85	20	45	2.22	85	20	60	OA
22	118.4	111.6	80	16	30	1.27	90	20	45	2.53	90	20	60	OA
23	123.5	116.6	80	16	30	1.45	95	20	45	2.77	-	-	-	-
24	128.5	121.6	80	16	30	1.50	100	20	45	2.95	-	-	-	-
25	133.6	126.7	80	16	30	1.59	105	20	45	3.15	-	-	-	-
26	138.6	131.7	85	20	35	1.63	110	20	45	3.42	-	-	-	-
27	143.6	136.8	85	20	35	1.68	110	20	45	3.98	-	-	-	-
28	148.7	141.8	90	20	35	1.72	115	20	45	4.2	-	-	-	-
29	153.7	146.8	90	20	35	1.91	115	20	45	4.43	-	-	-	-
30	158.8	151.9	90	20	35	2.04	120	20	45	4.66	-	-	-	-
31	163.8	156.9	95	20	35	2.13	-	-	-	-	-	-	-	-
32	168.9	162	95	20	35	2.27	-	-	-	-	-	-	-	-
33	173.9	167	95	20	35	2.33	-	-	-	-	-	-	-	-
34	178.9	172.1	95	20	35	2.36	-	-	-	-	-	-	-	-
35	184	177.1	95	20	35	2.48	-	-	-	-	-	-	-	-
36	189	182.2	100	20	35	2.56	-	-	-	-	-	-	-	-
37	194.1	187.2	100	20	35	2.68	-	-	-	-	-	-	-	-
38	199.1	192.2	100	20	35	2.72	120	20	45	7.67	120	25	60	OA
39	204.2	197.3	100	20	35	2.86	-	-	-	-	-	-	-	-
40	209.2	202.3	100	20	35	2.95	120	20	45	7.92	-	-	-	-
42	220.8	212.4	108	20	43	3.01	-	-	-	-	-	-	-	-
45	236	227.6	108	20	43	3.73	OA	OA	OA	9.21	-	-	-	-
48	251.1	242.7	108	20	43	4.18	-	-	-	-	-	-	-	-
50	261.2	252.8	108	20	43	4.40	-	-	-	-	-	-	-	-
55	286.5	278.1	108	20	43	4.96	-	-	-	-	-	-	-	-
57	296.6	288.2	108	20	43	5.27	100	30	56	15.07	-	-	-	-
60	311.7	303.3	108	20	43	5.9	-	-	-	-	-	-	-	-
76	392.5	384.2	90	24	50	11.03	100	30	63	26.31	-	-	-	-
95	488.5	480.1	100	24	56	14.57	110	30	63	32.69	-	-	-	-
114	584.5	576.1	100	25	56	20.61	125	30	70	49.3	-	-	-	-

12B-1-2-3 Sprocket



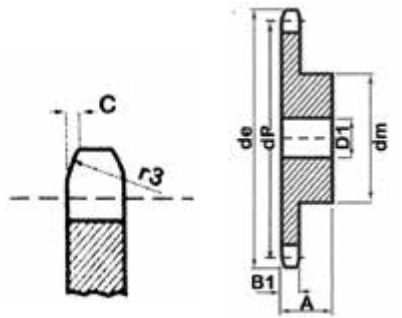
Pinions	mm
Tooth Radius r3	19
Radius Width C	2
Tooth Width B1	11.1
Tooth Width B2	30.3
Tooth Width B3	49.8

Chain	mm
Pitch	19.05
Inside	11.68
Roller ø	12.07

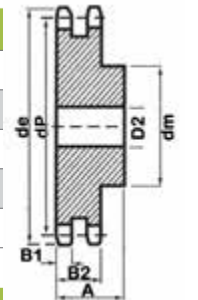


Teeth	de	dp	Simplex				Duplex				Triplex			
			dm	D1	A	AppKg	dm	D2	A	App.Kg	dm	D3	A	App. Kg
8	58	49.78	31	12	30	OA	-	-	-	-	-	-	-	-
9	63.9	55.7	37	12	30	OA	37	16	45	0.75	-	-	-	-
10	69.8	61.64	42	12	30	OA	42	16	45	0.90	-	-	-	-
11	75.8	67.61	46	16	35	0.53	47	16	50	1.00	47	20	70	OA
12	81.8	73.6	52	16	35	0.67	53	16	50	1.23	-	-	-	-
13	87.8	79.59	58	16	35	0.75	59	16	50	1.41	59	20	70	1.77
14	93.8	85.61	64	16	35	0.91	65	20	50	1.68	-	-	-	-
15	99.8	91.63	70	16	35	1.14	71	20	50	1.95	71	20	70	2.45
16	105.8	97.65	75	16	35	1.27	77	20	50	2.27	77	20	70	OA
17	111.9	103.7	80	16	35	1.46	83	20	50	2.63	83	20	70	3.49
18	117.9	109.7	80	16	35	1.69	89	20	50	3.18	89	20	70	OA
19	123.9	115.8	80	16	35	1.78	95	20	50	3.50	95	20	70	4.54
21	136	127.8	90	20	40	2.27	100	20	50	4.31	100	25	70	5.67
22	142	133.9	90	20	40	2.38	100	20	50	4.77	100	20	70	OA
23	148.1	139.9	90	20	40	2.49	110	20	50	4.99	110	25	70	6.62
24	154.1	145.9	90	20	40	2.62	110	20	50	5.45	110	20	70	OA
25	160.2	152	90	20	40	2.78	120	20	50	5.67	120	25	70	7.71
26	166.2	158	95	20	40	2.89	120	20	50	6.13	-	-	-	-
27	172.3	164.1	95	20	40	3.05	120	20	50	6.49	120	25	70	8.99
28	178.3	170.1	95	20	40	3.12	120	20	50	6.81	-	-	-	-
29	184.4	176.2	95	20	40	3.30	120	20	50	7.13	-	-	-	-
30	190.4	182.3	95	20	40	3.44	120	20	50	7.49	120	25	70	10.53
31	196.5	188.3	95	20	40	3.50	-	-	-	-	-	-	-	-
32	202.5	194.4	95	20	40	3.75	-	-	-	-	-	-	-	-
33	208.6	200.4	95	20	40	3.82	-	-	-	-	-	-	-	-
34	214.6	206.5	95	20	40	3.99	-	-	-	-	-	-	-	-
35	220.7	212.5	95	20	40	4.10	120	20	50	10.18	-	-	-	-
36	226.8	218.6	100	25	40	4.35	120	25	50	12.31	-	-	-	-
37	232.8	224.6	100	25	40	4.64	-	-	-	-	-	-	-	-
38	238.9	230.1	100	25	40	4.92	120	25	50	12.99	130	25	70	20.57
39	244.9	236.8	100	25	40	5.15	-	-	-	-	-	-	-	-
40	251	242.8	100	25	40	5.22	-	-	-	-	-	-	-	-
41	258	248.86	100	25	40	OA	-	-	-	-	-	-	-	-
42	265	254.9	118	25	60	5.78	-	-	-	-	-	-	-	-
43	272	260.98	100	25	40	OA	-	-	-	-	-	-	-	-
44	276	267.03	100	25	40	OA	-	-	-	-	-	-	-	-
45	283.2	273.1	100	25	56	6.34	136	25	62	15.38	-	-	-	-
48	301.4	291.3	118	25	60	7.18	-	-	-	-	-	-	-	-
50	313.5	303.4	118	25	60	8.01	-	-	-	-	-	-	-	-
55	343.8	333.7	118	25	60	9.90	-	-	-	-	-	-	-	-
57	355.9	345.8	100	30	56	10.10	120	30	63	25.34	140	40	70	33.73
60	374.1	364	118	25	60	11.44	-	-	-	-	-	-	-	-
76	471.1	461	100	30	56	17.26	135	30	63	25.63	160	40	75	37.19
95	586.2	576.2	100	30	65	23.83	135	30	70	39.24	-	-	-	-
114	700.9	691.36	100	30	65	50.59	135	30	70	-	-	-	-	-

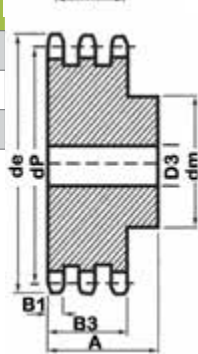
16B-1-2-3 Sprocket



Pinions	mm
Tooth Radius r3	26
Radius Width C	2.5
Tooth Width B1	16.2
Tooth Width B2	47.7
Tooth Width B3	79.6

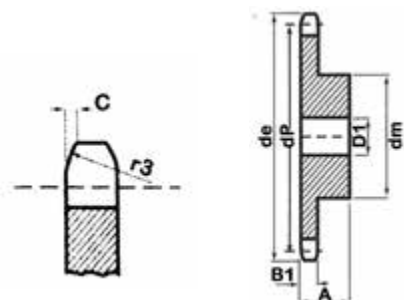


Chain	mm
Pitch	25.4
Inside	17
Roller ø	15.88



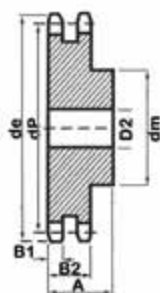
Teeth	de	dp	Simplex				Duplex				Triplex			
			dm	D1	A	App. Kg	dm	D2	A	App. Kg	dm	D3	A	App. Kg
8	77.9	66.37	42	16	35	0.95	-	-	-	-	-	-	-	-
9	85.8	74.27	50	16	35	1.20	50	20	65	0.60	-	-	-	-
10	93.8	82.19	55	16	35	1.35	56	20	65	0.83	56	20	95	-
11	101.7	90.14	61	16	40	1.45	64	20	70	1.82	-	-	-	-
12	109.7	98.14	69	16	40	1.82	72	20	70	2.36	-	-	-	-
13	117.7	106.1	78	16	40	1.94	80	20	70	1.95	80	25	100	4.13
14	125.7	114.2	84	16	40	2.09	88	20	70	3.5	-	-	-	-
15	133.7	122.2	92	16	40	2.59	96	20	70	4.18	96	25	100	5.54
16	141.8	130.2	100	20	45	3.00	104	25	70	5.22	-	-	-	-
17	149.8	138.2	100	20	45	3.18	112	25	70	5.99	112	25	100	8.07
18	157.8	146.3	100	20	45	3.77	120	25	70	6.81	-	-	-	-
19	165.9	154.4	100	20	45	3.86	128	25	70	7.71	128	25	100	10.89
21	182	170.4	110	20	50	4.54	130	25	70	8.85	130	25	100	13.61
22	190.1	178.5	110	20	50	5.00	130	25	70	9.53	-	-	-	-
23	198.1	186.5	110	20	50	5.08	130	25	70	10.43	130	25	100	14.97
24	206.2	194.6	110	20	50	5.54	130	25	70	11.44	-	-	-	-
25	214.2	202.7	110	20	50	5.76	130	25	70	12.47	130	25	100	17.70
26	222.3	210.7	120	20	50	7.03	130	25	70	13.62	-	-	-	-
27	230.4	218.8	120	20	50	7.53	130	25	70	14.75	130	30	100	21.57
28	238.4	226.9	120	20	50	7.58	130	25	70	15.89	-	-	-	-
29	246.5	234.9	120	20	50	7.94	130	25	70	17.02	-	-	-	-
30	254.6	243	120	20	50	8.26	130	25	70	18.16	130	30	100	26.33
31	262.6	251.1	120	25	50	8.62	-	-	-	-	-	-	-	-
32	270.7	259.1	120	25	50	8.98	-	-	-	-	-	-	-	-
33	278.8	267.2	120	25	50	9.33	-	-	-	-	-	-	-	-
34	286.9	275.3	120	25	50	9.69	-	-	-	-	-	-	-	-
35	294.9	283.4	120	25	50	10.05	-	-	-	-	-	-	-	-
36	303	291.4	120	25	50	10.41	-	-	-	-	-	-	-	-
37	311.1	299.5	120	25	50	10.78	-	-	-	-	-	-	-	-
38	319.2	307.6	120	25	50	11.12	140	25	70	29.60	140	30	100	41.45
39	327.2	315.7	120	25	50	11.48	-	-	-	-	-	-	-	-
40	335.3	323.4	120	25	50	11.83	-	-	-	-	-	-	-	-
45	377.9	364.1	125	30	70	13.62	150	40	75	34.35	160	45	100	45.00
57	474.9	461.1	125	30	70	22.16	170	40	90	38.18	165	45	100	51.35
76	628.4	614.7	140	35	80	39.24	175	40	95	68.11	200	45	110	77.11
95	782	768.2	140	40	80	57.12	-	-	-	-	-	-	-	-
114	935.6	921.8	140	30	80	75.00	-	-	-	-	-	-	-	-

20B-1-2 Sprocket



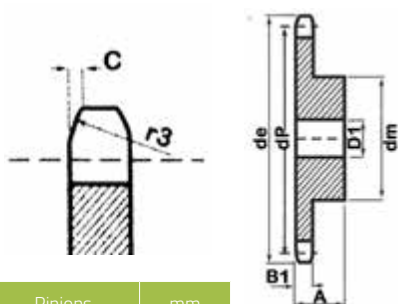
Pinions	mm
Tooth Radius r3	32
Radius Width C	3.5
Tooth Width B1	18.5
Tooth Width B2	54.6
Tooth Width B3	91

Chain	mm
Pitch	31.75
Inside	19.56
Roller ø	19.05



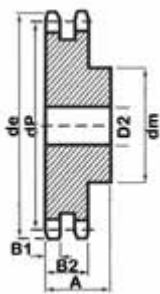
Teeth	de	dp	Simplex				Duplex			
			dm	D1	A	App.Kg	dm	D2	A	App.Kg
9	106.5	92.84	63	20	40	1.45	-	-	-	-
10	117	102.7	70	20	40	1.86	-	-	-	-
11	127	112.7	77	20	45	2.40	80	25	80	3.67
12	137	122.7	88	20	45	2.95	90	25	80	OA
13	147.5	132.7	98	20	45	3.00	100	25	80	5.53
14	157.6	142.7	108	20	45	3.40	110	25	80	6.62
15	167.6	152.7	118	20	45	4.31	120	25	80	7.76
16	177.7	162.8	120	25	50	4.63	120	30	80	OA
17	187.8	172.8	120	25	50	4.99	120	30	80	10.44
18	197.8	182.9	120	25	50	5.44	120	30	80	OA
19	207.9	192.9	120	25	50	5.9	120	30	80	12.92
20	217.9	203	120	25	50	6.35	120	30	80	OA
22	238.1	223.1	140	30	55	7.71	140	30	80	OA
23	248.2	233.2	140	30	55	8.16	140	30	80	19.05
24	258.3	243.2	140	30	55	8.62	140	30	80	OA
25	268.4	253.3	140	30	55	9.07	140	30	80	21.77
26	278.4	263.4	150	30	55	9.53	150	30	80	OA
27	288.5	273.5	150	30	55	10.43	150	30	80	24.97
28	299	283.6	150	30	55	11.34	150	30	80	OA
29	308.8	293.6	150	30	55	OA	150	30	80	OA
30	319	303.8	150	30	55	12.02	150	30	80	OA

24B-1-2 Sprocket



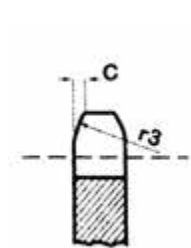
Pinions	mm
Tooth Radius r3	38
Radius Width C	4.0
Tooth Width B1	23.6
Tooth Width B2	72
Tooth Width B3	120.3

Chain	mm
Pitch	38.1
Inside	25.4
Roller ø	25.4

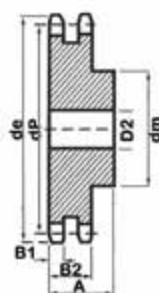
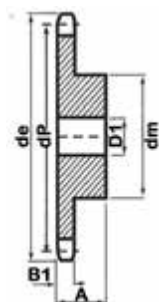


Teeth	de	dp	Simplex				Duplex			
			dm	D1	A	App.Kg	dm	D2	A	App. Kg
9	125	111.4	70	25	95	2.02	-	-	-	-
10	137	123.3	80	25	95	2.61	-	-	-	-
11	149	135.2	90	25	100	3.77	90	25	100	6.50
12	161	147.2	102	25	100	4.77	102	25	100	OA
13	173	159.2	114	25	100	5.91	114	25	100	9.92
14	185	171.2	128	25	100	6.68	128	25	100	11.98
15	197	183.3	132	25	100	7.49	132	25	100	14.13
16	209	195.3	136	30	100	9.08	136	30	100	16.35
17	221	207.3	136	30	100	9.76	136	30	100	17.85
18	233	219.4	160	30	100	10.49	160	30	100	20.35
19	245.5	231.5	160	30	100	11.21	160	30	100	22.56
21	270.5	255.7	160	30	100	13.38	160	30	100	26.99
22	282.5	267.7	160	30	100	13.67	160	30	100	29.74
23	294.5	279.8	160	30	100	14.74	160	30	100	OA
24	307	292	160	30	100	OA	160	30	100	OA
25	319	304	160	30	100	16.38	160	30	100	OA
26	331	317	160	30	100	OA	160	30	100	OA
27	343	328	160	30	100	OA	160	30	100	OA
28	355	340	160	30	100	OA	160	30	100	OA
29	367	352	160	30	100	OA	160	30	100	OA
30	379	365	160	30	100	OA	160	30	100	OA

28B - 1 Sprocket

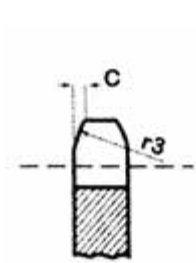


Pinions	mm
Tooth Radius r_3	38
Radius Width C	4.0



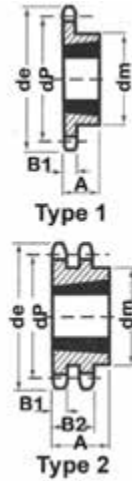
Teeth	d_e	d_p	Simplex				Duplex			
			d_m	D_1	A	App.Kg	d_m	D_2	A	App. Kg
19	289.0	270.03	160	30	75	-	180	30	120	

06B-1-2 Taper Lock



Pinions	mm
Tooth Radius r3	10
Radius Width C	1
Tooth Width B1	5.3

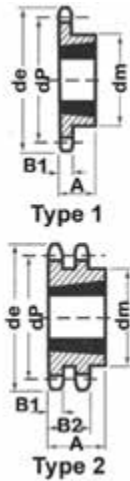
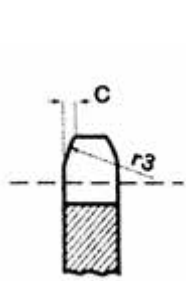
Chain	mm
Pitch	9.53
Inside	5.72
Roller ø	6.35



Teeth	de	dp	Simplex					Duplex				
			dm	A	Bush	Type	App. Kg	dm	A	Bush	Type	App. Kg
17	55.5	51.83	45	22.23	1008	1	0.14	41	22	1008	2	0.5
18	58.6	54.85	45	22.23	1008	1	0.18	43	22	1008	2	0.6
19	61.6	57.87	45	22.23	1008	1	0.23	46	22	1008	2	0.6
20	64.6	60.89	45	22.23	1008	1	0.27	48	22	1008	2	0.6
21	67.6	63.91	45	22.23	1008	1	0.32	49	22	1008	2	1.4
22	70.6	66.93	45	22.23	1108	1	0.36	52	22	1008	2	0.6
23	73.7	69.95	63	25.40	1210	1	0.41	59	25	1210	2	1.8
24	76.7	72.97	63	25.40	1210	1	0.45	61	25	1210	2	0.6
25	79.7	76	63	25.40	1210	1	0.54	64	25	1210	2	1.9
26	83.0	79.02	63	25.40	1210	1	0.53	64	25	1210	2	1.95
27	85.7	82.04	63	25.40	1210	1	0.52	70	25	1210	2	2.0
28	89	85.07	63	25.4	1210	1	0.53	70	25	1210	2	0.6
29	92	88.09	63	25.4	1210	1	0.53	70	25	1210	2	0.6
30	94.8	91.12	63	25.40	1210	1	0.54	75	25	1210	2	2.1
36	113.4	109.3	-	-	1210	-	-	75	25	1210	2	0.6
38	119	115.3	70	25.40	1210	1	0.68	80	25	1610	2	2.5
45	140.2	136.5	70	25.40	1210	1	0.95	-	-	-	-	-
57	149.3	145.2	83	25.40	1210	1	1.25	80	25	1610	2	4.1
76	197.9	193.6	83	25.40	1210	1	1.82	80	25	1615	2	6.8
95	246.3	242	83	25.40	1210	1	2.28	90	25	1615	2	6.9
114	294.8	290.3	83	38	1215	1	0.6	-	-	-	-	-



08B-1-2 Taper Lock



Pinions	mm
Tooth Radius r3	13
Radius Width C	1.3
Tooth Width B1	7.2

Chain	mm
Pitch	12.7
Inside	7.75
Roller ø	8.51

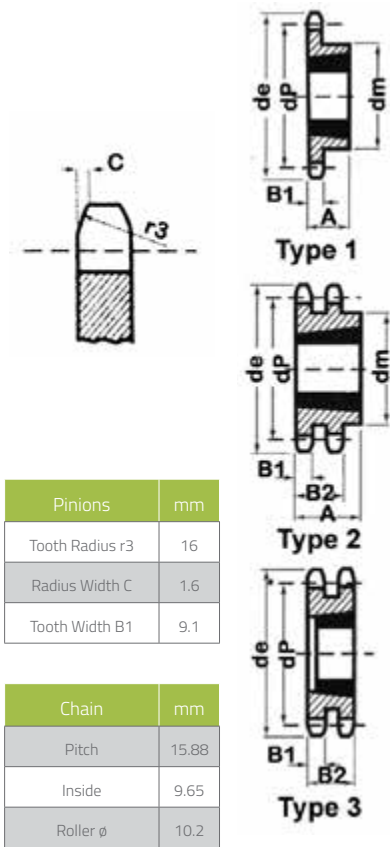
Teeth	de	dp	Simplex					Duplex				
			dm	A	Bush	Type	App. Kg	dm	A	Bush	Type	App. Kg
14	61.9	57.07	45	22.23	1008	1	0.18	-	-	-	-	-
15	65.9	61.09	45	22.23	1008	1	0.18	46	22.23	1008	2	0.18
16	69.9	65.1	45	22.23	1008/1108	1	0.23	50	22	1008	2	0A
17	74	69.11	60	25.40	1108/1210	1	0.23	56	25.40	1210	2	0.27
18	78	73.14	62	25.40	1210	1	0.27	60	25	1210	2	0A
19	82	77.16	63	25.40	1210	1	0.32	62	25.40	1210	2	0.36
20	86	81.19	71	25.40	1210/1610	1	0.41	66	25	1610	2	0A
21	90.1	85.22	71	25.40	1610	1	0.45	70	25.40	1610	2	0.46
22	94.1	89.24	71	25.40	1610	1	0.50	76	25	1610	2	0A
23	98.1	93.27	76	25.40	1610	1	0.59	79	25.40	1610	2	0.59
24	102.1	97.29	76	25.40	1610	1	0.73	84	25	2012	2	0A
25	106.2	101.3	76	25.40	1610	1	0.74	87	31.75	2012	2	0.77
26	110.2	105.4	76	25.40	1610	1	0.76	87	32	2012	2	0A
27	114.2	109.4	76	25.40	1610	1	0.78	87	31.75	2012	2	0.95
28	118.3	113.4	76	25.40	2012	1	0.80	87	32	2012	2	0A
29	112.3	117.5	76	25.40	2012	1	0.81	87	32	2012	2	0A
30	126.3	121.5	90	31.75	2012	1	0.82	87	32	2012	2	1.59
32	134.4	129.6	90	31.75	2012	1	0.87	-	-	-	-	-
35	146.5	141.7	90	31.5	2012	1	0.95	-	-	-	-	-
37*	151.0	145.7	-	-	-	-	-	87	32	2012	2	2.85
38	158.6	153.8	90	31.75	2012	1	1.23	100	32	2012	2	3.18
45	188.6	182.1	100	31.75	2012	1	1.46	100	32	2012	2	3.95
48	200.7	194.2	100	31.75	2012	1	1.55	-	-	-	-	-
50	208.8	202.3	110	31.75	2012	1	0A	-	-	-	-	-
57	233.1	230.5	110	31.75	2012	1	2.60	110	31.75	2012	2	7.56
76	313.9	307.3	110	31.75	2012	1	4.27	110	31.75	2012	2	15.26
95	390.7	384.1	110	31.75	2012	1	6.88	110	31.75	2012	2	19.08
114	467.4	460.9	110	44.45	2012/2517	1	10.44	110	31.75	2517	2	22.90

08B-3 Taper Lock

Pinions	mm
Tooth Radius r3	13
Radius Width C	1.3

Teeth	de	dp	Simplex					Duplex				
			dm	A	Bush	Type	App. Kg	dm	A	Bush	Type	App. Kg
27	114	109.40	78	25	1610	1	-	87	31.75	2012	3	-

10B-1-2 Taper Lock

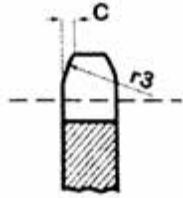


Pinions	mm
Tooth Radius r3	16
Radius Width C	1.6
Tooth Width B1	9.1

Chain	mm
Pitch	15.88
Inside	9.65
Roller ø	10.2

Teeth	de	dp	Simplex					Duplex				
			dm	A	Bush	Type	App. Kg	dm	A	Bush	Type	App. Kg
12	68.2	61.34	47	22.23	1008	1	0.20	-	-	-	-	-
13	73.2	66.32	47	22.23	1008	1	0.23	-	-	-	-	-
14	78	71.34	52	22	1108	1	0.27	-	-	-	-	-
15	83.2	76.36	60	25.40	1210	1	0.32	-	25.4	1210	3	0.48
16	88.3	81.37	71	25.40	1210/1610	1	0.37	-	25.4	1610	3	0.50
17	93.3	86.39	71	25.40	1610	1	0.41	-	25.4	1610	3	0.57
18	98.3	91.42	75	25.40	1610	1	0.51	-	25.4	1610	3	0.64
19	103.3	96.45	75	25.40	1610	1	0.64	-	25.4	1610	3	0.71
20	108.4	101.5	75	25.40	1610	1	0.68	-	25.4	1610	3	0.82
21	113.4	106.5	76	25.40	1610	1	0.73	-	25.4	1610	3	0.86
22	118.4	111.6	76	25.40	1610	1	0.78	-	25.4	1610	3	1.45
23	123.5	116.6	76	25.40	1610	1	0.82	-	25.4	1610	3	0.98
24	128.5	121.6	90	25.40	1610/2012	1	0.91	90	31.75	2012	2	2.06
25	133.6	126.7	90	31.75	2012	1	1.09	90	31.75	2012	2	3.40
26	138.6	131.7	90	31.75	2012	1	1.14	90	31.75	2012	2	3.50
27	143.6	136.8	90	31.75	2012	1	1.18	90	31.75	2012	2	3.50
28	148.7	141.8	90	31.75	2012	1	1.29	90	31.75	2012	2	3.80
29	153.8	146.8	90	31.75	2012	1	1.34	90	31.75	2012	2	3.87
30	158.8	151.9	90	31.75	2012	1	1.41	90	31.75	2012	2	3.92
32	168.9	162	90	31.75	2012	1	1.63	-	-	-	-	-
33	174.5	167	90	31.75	2012	1	1.73	-	-	-	-	-
35	184.1	177.1	90	31.75	2012	1	1.91	-	-	-	-	-
36	189.1	182.2	90	31.75	2012	1	1.95	-	-	-	-	-
38	199.1	192.2	90	31.75	2012	1	2.22	90	31.75	2012	2	5.68
40	209.3	202.3	90	31.75	2012	1	2.36	-	-	-	-	-
45	236	227.6	90	31.75	2012	1	2.95	-	-	-	-	-
48	251.1	242.7	90	31.75	2012	1	3.25	-	-	-	-	-
57	296.6	288.2	90	31.75	2012	1	4.59	110	44	2517/3020	2	11.80
76	392.5	384.2	110	31.75	2012	1	8.31	110	44	2517/3020	2	22
95	488.5	480.1	110	44.45	2517	1	12.76	-	-	-	-	-
114	584.5	576.1	110	44.75	2517	1	19.61	-	-	-	-	-

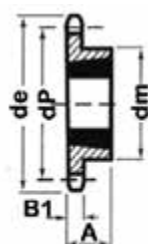
12B-1-2-3 Taper Lock



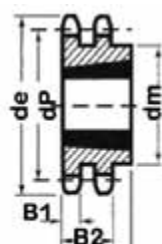
Pinions	mm
Tooth Radius r3	19
Radius Width C	2
Tooth Width B1	11.1

Chain	mm
Pitch	19.05
Inside	11.68
Roller ø	12.07

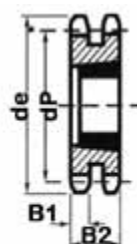
Simplex								Duplex					Triplex				
Teeth	de	dp	dm	A	Bush	Type	App. Kg	dm	A	Bush	Type	App. Kg	dm	A	Bush	Type	App. Kg
12	81.5	73.6	60	24.4	1210	1	0A	-	-	-	-	-	-	-	-	-	-
13	87.8	79.59	60	25.40	1210	1	0.41	0A	25.4	1210	0A	0A	-	-	-	-	-
14	93.6	85.61	70	25.40	1610	1	0A	-	-	-	-	-	-	-	-	-	-
15	99.8	91.63	70	25.40	1610	1	0.54	-	30.10	1610	3	0.90	-	49.8	1615	5	0A
16	105.5	97.65	75	25.40	1610	1	0A	-	30.10	1610	3	0A	-	-	-	-	-
17	111.9	103.7	76	25.40	1610	1	0.82	-	30.10	1610/1615	3	1.25	-	49.8	1615/2017	5	0A
18	117.9	109.7	90	31.75	1610/2012	1	0.91	90	31.75	2012	2	0A	-	-	-	-	-
19	123.9	115.8	90	31.75	2012	1	1.00	90	31.75	2012	2	1.81	-	49.8	2012	5	0A
20	130	121.8	90	44.45	2012	1	1.00	108	44.45	2517	2	0A	-	-	-	-	-
21	136	127.8	102	44.45	2517	1	1.18	108	44.45	2517	2	2.50	-	49.8	2517	5	0A
22	142	133.9	102	44.45	2517	1	1.27	108	44.45	2517	2	0A	-	-	-	-	-
23	148.1	139.9	108	44.45	2517	1	1.37	108	44.45	2517	2	3.07	-	49.8	2517	5	0A
24	154.1	145.9	108	44.45	2517	1	1.50	108	44.45	2517	2	0A	-	-	-	-	-
25	160.2	152	108	44.45	2517	1	1.74	108	44.45	2517	2	3.63	-	49.8	2517	5	0A
26	165.9	158	108	44.45	2517	1	0A	108	44.45	2517	2	0A	-	-	-	-	-
27	172.3	164.1	108	44.45	2517	1	1.80	108	44.45	2517	2	4.20	140	50.80	3020	4	0A
28	178	170	108	44.45	2517	1	0A	108	44.45	2517	2	0A	-	-	-	-	-
29	184.1	176.2	108	44.45	2517	1	0A	108	44.45	2517	2	0A	-	-	-	-	-
30	190.4	182.3	108	44.45	2517	1	2.32	140	50.80	2517	2	5.04	140	50.80	3020	4	0A
32	202.5	194.4	108	44.45	2517	1	2.48	0A	0A	2517	0A	0A	-	-	-	-	-
34	214.6	206.5	108	44.45	2517	1	0A	-	-	-	-	-	-	-	-	-	-
35	221	212.5	108	44.45	2517	1	0A	-	-	-	-	-	-	-	-	-	-
36	226.8	218.6	108	44.45	2517	1	0A	-	-	-	-	-	-	-	-	-	-
38	238.9	230.1	108	44.45	2517	1	3.36	140	50.80	3020	2	8.40	140	50.80	3020	4	0A
45	283.2	273.1	108	44.45	2517	1	3.98	140	50.80	3020	2	-	-	-	-	-	-
57	355.9	345.8	108	44.45	2517	1	8.76	140	50.80	3020	2	19.48	160	50.80	3020	4	0A
76	471.1	461	108	44.45	2517	1	11.68	140	50.80	3020	2	29.52	160	50.80	3020	4	0A
95	586.2	576.2	108	44.45	2517	1	14.60	140	50.80	3020	2	34.40	-	-	-	-	-
114	701.4	691.4	140	50.80	3020	1	17.52	160	76.20	3030	2	39.28	-	-	-	-	-



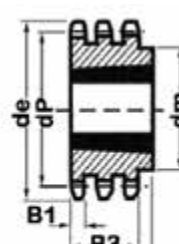
Type 1



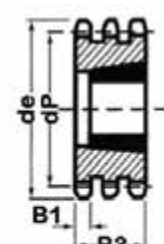
Type 2



Type 3

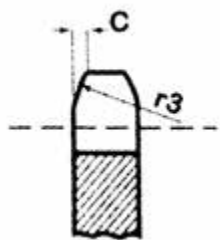


Type 4



Type 5

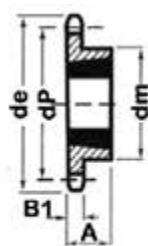
16B-1-2-3 Taper Lock



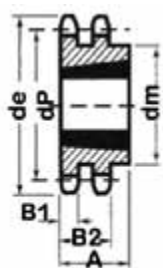
Pinions	mm
Tooth Radius r3	26
Radius Width C	2.5
Tooth Width B1	16.2

Chain	mm
Pitch	25.4
Inside	17.02
Roller ø	15.88

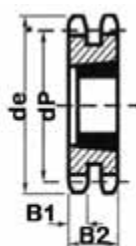
Teeth	de	dp	Simplex						Duplex					Triplex			
			dm	A	Bush	Type	App. Kg		dm	A	Bush	Type	App. Kg	dm	A	Bush	Type
12	109	98.14	73	25.4	1610	1	0A	-	-	-	-	-	-	-	-	-	-
13	117.7	106.1	73	38.10	1610/1615	1	1.27	0A	47.7	2012	0A	0A	-	-	-	-	-
14	125	114	76	38.10	1610	1	0A	-	-	-	-	-	-	-	-	-	-
15	133.7	122.2	76	38.10	1610/1615	1	1.45	-	47.7	2012	3	2.04	-	47.7	2012	5	-
16	141.8	130.2	76	38.10	1615/2012	1	1.55	-	47.7	2517	3	0A	-	-	-	-	-
17	149.8	138.2	90	32	2012/2517	1	1.69	-	47.7	2517	3	2.50	-	79.6	2517	5	-
18	157.8	146.3	108	44.45	2517	1	1.46	-	47.7	2517	3	0A	-	-	-	-	-
19	165.9	154.4	108	44.45	2517	1	2.14	-	47.7	2517	3	3.18	-	79.6	3030	5	-
20	173.9	162.4	108	44.45	2517	1	2.72	-	47.7	2517	3	0A	-	-	-	-	-
21	182	170.4	110	44.45	2517	1	2.95	140	50.80	3020	2	2.95	-	79.6	3030/3535	5	-
22	190.1	178.5	110	44.45	2517	1	3.18	140	50.80	3020	2	0A	-	-	-	-	-
23	198.1	186.5	110	44.45	2517	1	3.40	140	50.80	3020	2	5.48	-	89	3525/3535	5	-
24	206.2	194.6	110	44.45	2517	1	3.63	140	50.80	3020	2	0A	-	-	-	-	-
25	214.2	202.7	110	44.45	2517	1	3.90	140	50.80	3020	2	7.72	-	89	3535	5	-
26	221.6	210.7	110	44.45	2517	1	0A	140	50.80	3020	2	0A	-	-	-	-	-
27	230.4	218.8	110	44.45	2517	1	4.31	140	50.80	3020	2	10.22	-	89	3535	5	-
28	237.7	226.8	110	44.45	2517	1	0A	140	50.80	3020	2	0A	-	-	-	-	-
29	245.8	234.9	120	44.45	3020	1	0A	140	50.80	3020	2	0A	-	-	-	-	-
30	254.6	243	120	44.45	2517/3020	1	5.44	140	50.80/76.20	3020/3030	2	11.35	175	89	3525/3535	4	-
32	270.7	259.1	140	50.8	3020	1	0A	-	-	-	-	-	-	-	-	-	-
33	278.5	267.2	140	50.8	3020	1	0A	-	-	-	-	-	-	-	-	-	-
35	294.9	283.4	140	50.80	3020	1	7.12	-	-	-	-	-	-	-	-	-	-
38	319.2	307.6	140	50.80	3020	1	8.85	160	50.80/76.20	3020/3030	2	21.79	178	89	3535	4	-
45	377.9	364.1	140	50.80	2517/3020	1	12.25	0A	50.8	3020	0A	0A	-	-	-	-	-
57	474.9	461.1	140	50.80	3020	1	19.16	175	62.7	3525	2	27.24	216	102	4040	4	-
76	628.4	614.7	140	50.80	3020	1	28.55	175	86.90	3535	2	37.68	216	102	4030/4040	4	-
95	782	768.2	140	50.80	3020	1	41.58	-	-	-	-	-	-	-	-	-	-
114	935.6	921.8	140	50.80	3030	1	56.15	-	-	-	-	-	-	-	-	-	-



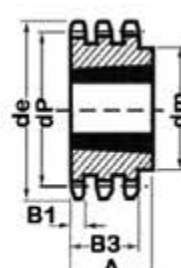
Type 1



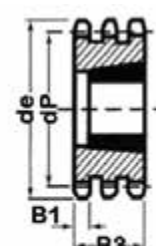
Type 2



Type 3

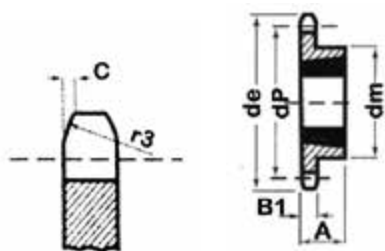


Type 4



Type 5

20B-1 Taper Lock



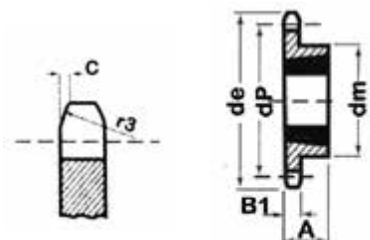
Type 1

Pinions	mm
Tooth Radius r3	32
Radius Width C	3.5
Tooth Width B1	18.5

Chain	mm
Pitch	31.75
Inside	19.56
Roller ø	19.05

Teeth	de	dp	Simplex			
			dm	A	Bush	Type
13	147.5	132.7	98	45	2517	1
14	157.6	142.7	108	45	2517	1
15	167.6	152.7	118	45	2517	1
16	177.7	162.8	120	50	2517	1
17	187.8	172.8	120	50	2517	1
18	197.8	182.9	120	50	2517	1
19	207.9	192.9	120	50	2517	1
20	217.9	203	120	50	2517	1
21	228	213	140	55	2517	1
22	238.1	223.1	140	55	2517	1
23	248.2	233.2	140	55	2517	1
24	258.3	243.2	140	55	2517	1
25	268.4	253.3	140	55	2517	1
26	278.4	263.4	150	55	2517	1
27	288.5	273.5	150	55	3020	1
28	299	283.6	150	55	3020	1
29	308.8	293.6	150	55	3020	1
30	319	303.8	150	55	3020	1
38	399.6	384.5	160	55	3020	1

24B-1 Taper Lock



Type 1

Pinions	mm
Tooth Radius r3	5
Radius Width C	0.6
Tooth Width B1	21.1

Chain	mm
Pitch	38.1
Inside	25.4
Roller ø	25.4

Teeth	de	dp	Simplex			
			dm	A	Bush	Type
13	174.2	159.18	110	44	2517	1
14	157.6	142.7	-	44	2157	1
15	198.2	183.26	150	44	2517	1
16	177.7	162.8	-	44	2517	1
17	222.3	207.34	165	50.8	3020	1
18	197.8	182.9	-	50.8	3020	1
19	246.5	231.49	165	50.8	3020	1
20	217.9	203	-	50.8	3020	1
21	270.6	255.65	165	50.8	3020	1
23	294.8	279.80	165	50.8	3020	1
25	319	304	165	50.8	3020	1
27	288.5	273.5	165	50.8	3020	1
30	319	303.8	165	89	3535	1
38	476.2	461.39	215	-	4040	2

Pitch	Part Number	Bush Size
08B (1/2 Inch Pitch)	08B-1-15RT/L	1008
	08B-1-17RT/L	1210
	08B-1-19RT/L	1210
	08B-1-21RT/L	1610
	08B-1-23RT/L	1610
	08B-1-25RT/L	1610
	08B-1-27RT/L	1610
	08B-1-30RT/L	2012
	08B-1-38RT/L	2012
10B (5/8 Inch Pitch)	10B-1-13RT/L	1008
	10B-1-15RT/L	1210
	10B-1-17RT/L	1610
	10B-1-19RT/L	1610
	10B-1-21RT/L	1610
	10B-1-23RT/L	1610
	10B-1-25RT/L	2012
	10B-1-27RT/L	2012
	10B-1-30RT/L	2012
	10B-1-38RT/L	2012
12B (3/4 Inch Pitch)	12B-1-13RT/L	1210
	12B-1-15RT/L	1610
	12B-1-17RT/L	1610
	12B-1-19RT/L	2012
	12B-1-21RT/L	2517
	12B-1-23RT/L	2517
	12B-1-25RT/L	2517
	12B-1-27RT/L	2517
	12B-1-30RT/L	2517
	12B-1-38RT/L	2517
16B (1 Inch Pitch)	16B-1-13RT/L	1615
	16B-1-15RT/L	1615
	16B-1-17RT/L	2012
	16B-1-19RT/L	2517
	16B-1-21RT/L	2517
	16B-1-23RT/L	2517
	16B-1-25RT/L	2517
	16B-1-27RT/L	2517
	16B-1-30RT/L	2517
	16B-1-38RT/L	3020

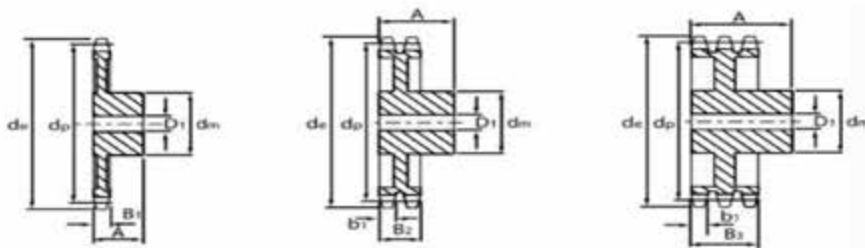
Refer to Standard Taperlock Sprocket Specifications for Dimensions



Taperlock Bush Entry this face

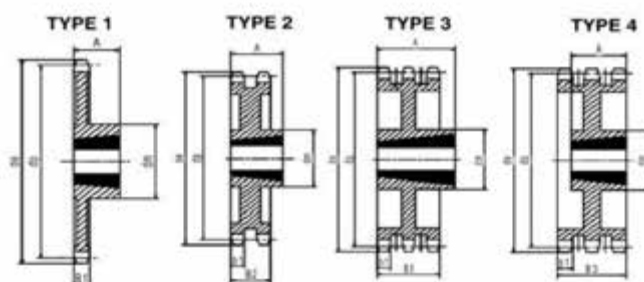
Pilot Bore

Pitch	Teeth	de	dp	Simplex			Duplex			Triplex		
				dm	D1	A	dm	D2	A	dm	D3	A
06B	114	350.3	345.68	80	18	32	-	-	-	-	-	-
08B	95	390.1	384.11	108	25	42	-	-	-	-	-	-
10B	95	488.5	480.14	-	-	-	145	30	58	-	-	-
	114	584.5	576.13	100	30	60	130	30	63	-	-	-
12B	57	355.9	345.8	-	-	-	-	-	-	140	30	75
	76	471.1	461	-	-	-	-	-	-	150	30	75
	114	701.4	691.36	-	-	-	140	30	63	-	-	-
16B	57	474.9	461.1	-	-	-	-	-	-	180	40	112
	76	628.4	614.7	-	-	-	-	-	-	180	40	112

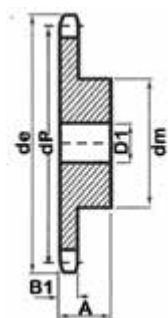
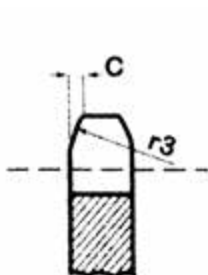


Taper Lock

Pitch	Teeth	de	dp	Simplex				Duplex				Triplex			
				dm	A	Bush	Type	dm	A	Bush	Type	dm	A	Bush	Type
06B	76	197.9	193.6	-	-	-	-	-	-	-	-	-	-	-	-
	95	246.3	242	0A	0A	1210	1	0A	0A	0A	2	-	-	-	-
	114	294.8	242	0A	0A	1210	1	-	-	-	-	-	-	-	-
08B	76	313.9	307.3	-	-	1610	1	100	32	2012	2	-	-	-	-
	95	390.7	384.1	-	-	-	-	100	32	2012	2	-	-	-	-
	114	467.4	460.9	100	32	2012	1	110	45	2517	2	-	-	-	-
10B	95	488.5	480.1	110	44	2517	1	-	-	-	-	-	-	-	-
	114	584.5	576.1	124	45	2517	1	0A	0A	0A	2	-	-	-	-
12B	57	355.9	345.8	108	45	2517	1	140	51	3020	2	140	51	3020	4
	76	471.1	461	108	45	2517	1	140	51	3020	2	140	51	3020	4
	95	586.2	576.2	108	45	2517	1	-	-	-	-	-	-	-	-
	114	701.4	691.4	108	64	2525	1	124	64	2525	2	-	-	-	-
16B	57	474.9	461.1	140	51	3020	1	175	65	3535	2	216	79.6	3535	4
	76	628.4	614.7	140	51	3020	1	175	65	3535	2	216	79.6	3535	4
	95	781.1	614.65	-	-	-	-	215	100	4040	2	-	-	-	-
	114	935.6	921.8	140	76	3030	1	-	-	-	-	-	-	-	-



06B-1 Sprocket

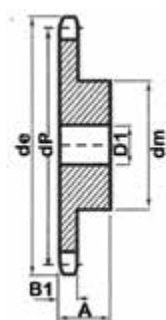
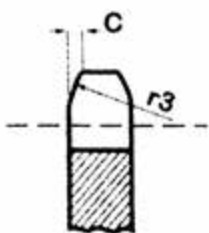


Pinions	mm
Tooth Radius r3	10
Radius Width C	1
Tooth Width B1	5.3
Tooth Width b1	5.2

Chain	mm
Pitch	9.53
Inside	5.72
Roller ø	6.35

Teeth	de	dp	Simplex			
			dm	D1	A	App. Kg
13	43.5	39.8	28	8	25	0.11
15	49.5	45.81	34	8	25	0.14
17	55.5	51.83	40	10	28	0.20
19	61.6	57.87	45	10	28	0.25
21	67.6	63.91	48	12	28	0.36
23	73.7	69.95	52	12	28	0.39
25	79.7	76	57	12	28	0.41
27	85.7	82.04	60	12	28	0.44
30	94.8	91.12	60	12	28	0.48
38	119	115.3	70	16	30	0.77

08B-1 Sprocket

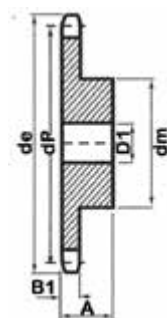
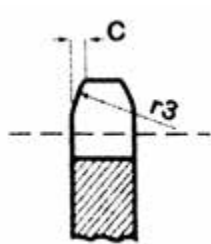


Pinions	mm
Tooth Radius r3	13
Radius Width C	1.3
Tooth Width B1	7.2
Tooth Width b1	7

Chain	mm
Pitch	12.7
Inside	7.75
Roller ø	8.51

Teeth	de	dp	Simplex			
			dm	D1	A	App. Kg
13	57.9	53.06	37	10	28	0.25
15	65.9	61.09	45	10	28	0.33
17	74	69.11	52	12	28	0.51
19	82	77.16	60	12	28	0.65
21	90.1	85.22	68	14	28	0.82
23	98.1	93.27	70	14	28	1.05
25	106.2	101.3	70	14	28	1.13
27	114.2	109.4	70	16	30	1.19
30	126.3	121.5	80	16	30	1.36
38	158.6	153.8	90	16	35	1.78

10B-1 Sprocket

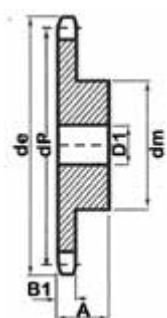
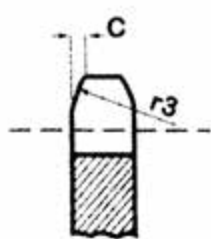


Pinions	mm
Tooth Radius r3	16
Radius Width C	1.6
Tooth Width B1	9.1
Tooth Width b1	9

Chain	mm
Pitch	5.88
Inside	9.65
Roller ø	10.2

Teeth	de	dp	Simplex			
			dm	D1	A	App. Kg
13	87.8	79.59	58	16	35	0.75
15	99.8	91.63	70	16	35	1.14
17	111.9	103.7	80	16	35	1.46
19	123.9	115.8	80	16	35	1.78
21	136	127.8	90	20	40	2.27
23	148.1	139.9	90	20	40	2.49
25	160.2	152	90	20	40	2.78
27	172.3	164.1	95	20	40	3.05
30	190.4	182.3	95	20	40	3.44
38	238.9	230.1	100	25	40	4.92

12B-1 Sprocket

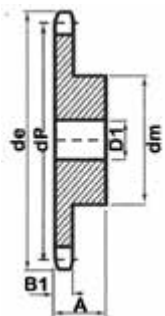
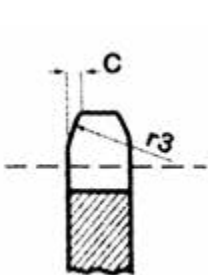


Pinions	mm
Tooth Radius r3	19
Radius Width C	2
Tooth Width B1	11.1
Tooth Width b1	10.8

Chain	mm
Pitch	19.05
Inside	11.68
Roller ø	12.07

Teeth	de	dp	Simplex			
			dm	D1	A	App. Kg
13	87.8	79.59	58	16	35	0.75
15	99.8	91.63	70	16	35	1.14
17	111.9	103.7	80	16	35	1.46
19	123.9	115.8	80	16	35	1.78
21	136	127.8	90	20	40	2.27
23	148.1	139.9	90	20	40	2.49
25	160.2	152	90	20	40	2.78
27	172.3	164.1	95	20	40	3.05
30	190.4	182.3	95	20	40	3.44
38	238.9	230.1	100	25	40	4.92

16B-1 Sprocket



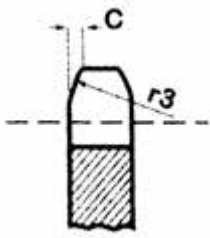
Pinions	mm
Tooth Radius r3	26
Radius Width C	2.5
Tooth Width B1	16.2
Tooth Width b1	15.8

Chain	mm
Pitch	25.4
Inside	17
Roller ϕ	15.88

Teeth	de	dp	Simplex			
			dm	D1	A	App. Kg
13	117.7	106.1	78	16	40	1.94
15	133.7	122.2	92	16	40	2.59
17	149.8	138.2	100	20	45	3.18
19	165.9	154.4	100	20	45	3.86
21	182	170.4	110	20	50	4.54
23	198.1	186.5	110	20	50	5.08
25	214.2	202.7	110	20	50	5.76
27	230.4	218.8	120	20	50	7.53
30	254.6	243	120	20	50	8.26
38	319.2	307.6	120	25	50	11.12



06A-1 Plate Wheel

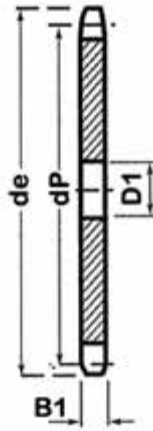
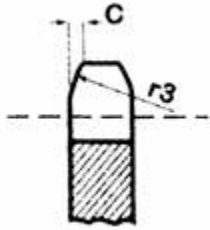


Pinions	mm
Tooth Radius r3	10
Radius Width C	1
Tooth Width B1	5.3

Chain	mm
Pitch	9.525
Inside	5.72
Roller ϕ	6.35

Teeth	de	dp	D1	App. Kg
11	37.5	33.8	8	0.05
12	40.5	36.8	8	0.05
13	43.5	39.8	8	0.05
14	46.5	42.8	8	0.06
15	49.5	45.81	8	0.07
16	52.5	48.82	10	0.08
17	55.5	51.83	10	0.10
18	58.6	54.85	10	0.11
19	61.6	57.87	10	0.12
20	64.6	60.89	10	0.13
21	67.6	63.91	12	0.14
22	70.6	66.93	12	0.15
23	73.7	69.95	12	0.17
24	76.7	72.97	12	0.19
25	79.7	76	12	0.20
26	82.7	79.02	12	0.21
27	85.7	82.04	12	0.22
28	88.8	85.07	12	0.23
29	91.8	88.09	12	0.25
30	94.8	91.12	12	0.27
31	97.9	94.15	14	0.22
32	100.9	97.17	14	0.24
33	103.9	100.2	14	0.25
34	106.9	103.2	14	0.26
35	110	106.3	14	0.27
36	113	109.3	16	0.28
37	116	112.3	16	0.35
38	119	115.3	16	0.43
39	122.5	118.3	16	0.44
40	125.1	121.4	16	0.45
45	140.7	136.5	16	0.51
56	173.8	169.9	20	0.83
57	176.9	172.9	20	0.86

08A-1 Plate Wheel

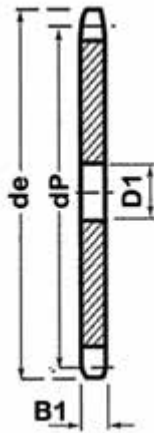
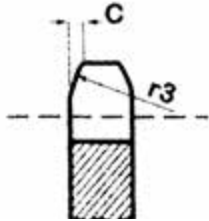


Pinions	mm
Tooth Radius r3	13
Radius Width C	1.3
Tooth Width B1	7.2

Chain	mm
Pitch	12.7
Inside	7.75
Roller ø	8.51

Teeth	de	dp	D1	App. Kg
10	43	41.1	8	0A
11	49.9	45.07	10	0.06
12	53.9	49.07	10	0.08
13	57.9	53.06	10	0.10
14	61.9	57.07	10	0.12
15	65.9	61.09	10	0.14
16	69.9	65.1	12	0.15
17	74	69.11	12	0.16
18	78	73.14	12	0.2
19	82	77.16	12	0.21
20	86	81.19	12	0.25
21	90.1	85.22	14	0.26
22	94.1	89.24	14	0.30
23	98.1	93.27	14	0.33
24	102.1	97.29	14	0.37
25	106.2	101.3	14	0.40
26	110.2	105.4	16	0.43
27	114.2	109.4	16	0.44
28	118.3	113.4	16	0.50
29	112.3	117.5	16	0.55
30	126.3	121.5	16	0.57
31	130.4	125.5	16	0.64
32	134.4	129.6	16	0.67
33	138.4	133.6	16	0.71
34	142.5	137.6	16	0.74
35	146.5	141.7	16	0.77
36	150.6	145.7	16	0.83
37	154.6	149.8	16	0.87
38	158.6	153.8	16	0.91
39	162.7	157.8	16	0.92
40	166.7	161.9	16	1.01
42	176.5	170	20	1.13
45	188.6	182.1	20	1.43
48	200.7	194.2	20	1.46
50	208.8	202.3	20	1.80
55	229	222.5	20	2.10
57	233.1	230.5	20	2.27
60	249.2	242.7	20	2.37
65	269.4	262.86	25	2.17
70	289.6	283.07	25	3.10
72	297.1	291.2	25	3.25
76	313.9	307.3	25	3.50

10A-1 Plate Wheel

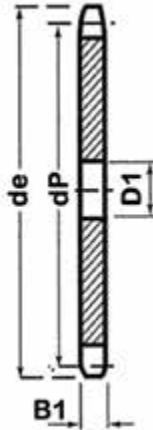
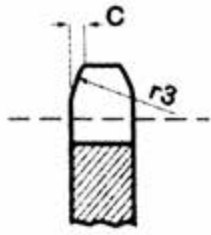


Pinions	mm
Tooth Radius r3	16
Radius Width C	1.6
Tooth Width B1	9.1

Chain	mm
Pitch	15.88
Inside	9.65
Roller ϕ	10.2

Teeth	de	dp	D1	App. Kg
11	63.2	56.35	12	0.11
12	68.2	61.34	12	0.15
13	73.2	66.32	12	0.19
14	78.2	71.34	12	0.23
15	83.2	76.36	12	0.25
16	88.3	81.37	12	0.31
17	93.3	86.39	12	0.35
18	98.3	91.42	14	0.39
19	103.3	96.45	14	0.43
20	108.4	101.5	14	0.48
21	113.4	106.5	16	0.51
22	118.4	111.6	16	0.59
23	123.5	116.6	16	0.65
24	128.5	121.6	16	0.68
25	133.6	126.7	16	0.73
26	138.6	131.7	20	0.78
27	143.6	136.8	20	0.89
28	148.7	141.8	20	0.93
29	153.7	146.8	20	1.07
30	158.8	151.9	20	1.15
31	163.8	156.9	20	1.27
32	168.9	162	20	1.32
33	173.9	167	20	1.42
34	178.9	172.1	20	1.45
35	184	177.1	20	1.51
36	189	182.2	20	1.73
37	194.1	187.2	20	1.81
38	199.1	192.2	20	1.88
39	204.2	197.3	20	2.00
40	209.2	202.3	20	2.02
42	220.8	212.4	20	2.26
45	236	227.6	20	2.69
48	251.1	242.7	20	2.98
50	261.2	252.8	20	3.22
52	270.4	262.92	20	OA
55	286.5	278.1	20	3.88
57	296.6	288.2	25	4.25
60	311.7	303.3	25	4.90
65	337.0	328.58	25	5.50
70	362.2	353.84	25	6.35
72	372.3	363.95	25	6.91
76	392.5	384.2	25	9.11

12A-1 Plate Wheel

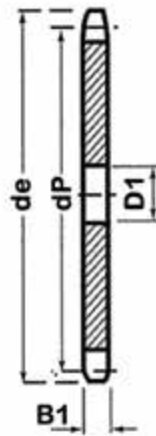
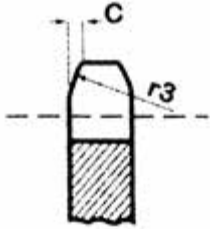


Pinions	mm
Tooth Radius r3	19
Radius Width C	2
Tooth Width B1	11.1

Chain	mm
Pitch	19.05
Inside	11.68
Roller ø	12.07

Teeth	de	dp	D1	App. Kg
11	75.8	67.61	16	0.36
12	81.8	73.6	16	0.42
13	87.8	79.59	16	0.48
14	93.8	85.61	16	0.54
15	99.8	91.63	16	0.60
16	105.8	97.65	16	0.68
17	111.9	103.7	16	0.77
18	117.9	109.7	16	0.85
19	123.9	115.8	16	0.95
20	130	121.8	16	1.08
21	136	127.8	20	1.15
22	142	133.9	20	1.24
23	148.1	139.9	20	1.33
24	154.1	145.9	20	1.47
25	160.2	152	20	1.63
26	166.2	158	20	1.72
27	172.3	164.1	20	1.91
28	178.3	170.1	20	1.99
29	184.4	176.2	20	2.28
30	190.4	182.3	20	2.44
31	196.5	188.3	20	2.49
32	202.5	194.4	20	2.62
33	208.6	200.4	20	2.77
34	214.6	206.5	20	2.91
35	220.7	212.5	20	3.19
36	226.8	218.6	25	3.21
37	232.8	224.6	25	3.52
38	238.9	230.1	25	3.67
39	244.9	236.8	25	3.87
40	251	242.8	25	4.00
42	265	254.9	25	4.53
45	283.2	273.1	25	5.14
46	287.9	279.16	25	5.35
48	301.4	291.3	25	5.75
50	313.5	303.4	25	6.45
55	343.8	333.7	25	7.43
57	355.9	345.8	25	8.11
60	374.1	364	25	9.19
65	404.4	394.29	25	10.65
70	434.7	424.60	30	12.45
72	446.8	436.74	30	13.22
76	471.1	461	30	14.78
701.4	584.5	576.1	0A	0A

16A-1 Plate Wheel

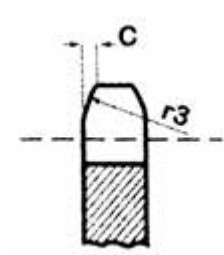


Pinions	mm
Tooth Radius r3	26
Radius Width C	2.5
Tooth Width B1	16.2

Chain	mm
Pitch	25.4
Inside	17.02
Roller ø	15.88

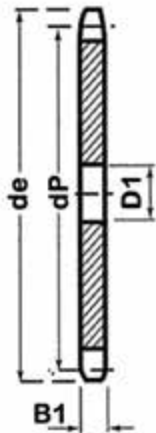
Teeth	de	dp	D1	App. Kg
11	101.7	90.14	16	0.82
12	109.7	98.14	16	0.91
13	117.7	106.1	16	1.04
14	125.7	114.2	16	1.22
15	133.7	122.2	16	1.36
16	141.8	130.2	20	1.54
17	149.8	138.2	20	1.81
18	157.8	146.3	20	2.00
19	165.9	154.4	20	2.13
20	173.9	162.4	20	2.49
21	182	170.4	20	2.63
22	190.1	178.5	20	2.82
23	198.1	186.5	20	3.04
24	206.2	194.6	20	3.45
25	214.2	202.7	20	3.63
26	222.3	210.7	20	3.90
27	230.4	218.8	20	4.31
28	238.4	226.9	20	4.58
29	246.5	234.9	20	4.81
30	254.6	243	20	5.22
31	262.6	251.1	25	5.56
32	270.7	259.1	25	5.90
33	278.8	267.2	25	6.24
34	286.9	275.3	25	6.58
35	294.9	283.4	25	6.92
36	303	291.4	25	7.26
37	311.1	299.5	25	7.60
38	319.2	307.6	25	7.94
39	327.2	315.7	25	8.48
40	335.3	323.4	25	9.01
42	353.0	339.9	25	10.1
45	377.9	364.1	25	11.70
57	474.9	461.1	30	18.14
76	627.0	614.65	30	0A
95	781.1	768.2	30	0A

24A-1 Plate Wheel



Pinions	mm
Tooth Radius r3	38
Radius Width C	4
Tooth Width B1	11.7

Chain	mm
Pitch	19.05
Inside	12.7
Roller ø	11.91



Teeth	de	dp	D1
38	476.2	461.4	30
50	621.7	606.78	30



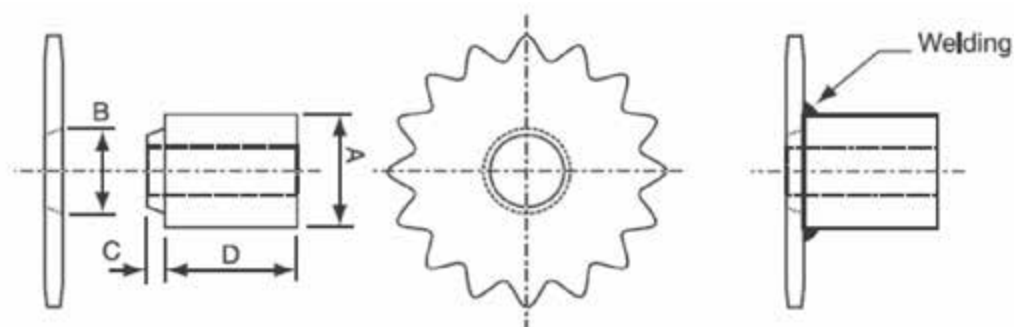
Welded Hubs

For use with Weld Fit Sprockets

	VT Series Hub		WT Series Hub		XT Series Hub	
	For VT sprockets		For WT sprockets		For XT sprockets	
A	34mm	(1-5/16)	45mm	(1-3/4)	62mm	(2-7/16)
B	30mm	(1-3/16)	41mm	(1-5/8)	57mm	(2-1/4)
C	12mm	(1/2)	12mm	(1/2)	12mm	(1/2)
D	30mm	(1-3/16)	37mm	(1-7/16)	37mm	(1-7/16)



BORE					
Inch	mm	Inch	mm	Inch	mm
1/2	12	1/2	-	1/2	-
-	14	-	14	-	14
5/8	15	5/8	15	5/8	15
-	-	-	16	-	16
3/4	-	3/4	18	3/4	18
-	19	-	19	-	19
7/8	20	7/8	20	7/8	20
-	-	1	24	1	24
-	-	-	25	-	25
-	-	1-1/8	28	1-1/8	28
-	-	-	30	-	30
-	-	1-1/4	32	1-1/4	32
-	-	-	-	-	35
-	-	-	-	1-3/8	38
-	-	-	-	-	40
-	-	-	-	1-1/2	42
-	-	-	-	1-5/8	45
-	-	-	-	1-3/4	-



Notes

- 1) Welding with low hydrogen electrodes is recommended
- 2) Keyways conform to BS 46 (imperial) and BS 4235 (metric)

ANSI & BS Weld Fit Sprockets To Suit Welded Hubs

No. of Teeth	08B5 1/2" Pitch	ANSI-40 1/2" Pitch	ANSI-50 BS 10B 5/8" Pitch	ANSI-60 BS 12B 3/4" Pitch	ANSI-80 BS 16B 1" Pitch
11	-	-	-	60WT11HT	-
12	08V12HT	40VT12HT	50WT12HT	60WT12HT	80XT12HT
13	08V13HT	40VT13HT	50WT13HT	60WT13HT	80XT13HT
14	08V14HT	40VT14HT	50WT14HT	60WT14HT	80XT14HT
15	08V15HT	40VT15HT	50WT15HT	60XT15HT	80XT15HT
16	08WT16HT	40WT16HT	50WT16HT	60XT16HT	80XT16HT
17	08WT17HT	40WT17HT	50XT17HT	60XT17HT	80XT17HT
18	08WT18HT	40WT18HT	50XT18HT	60XT18HT	80XT18HT
19	08WT19HT	40WT19HT	50XT19HT	60XT19HT	80XT19HT
20	08XT20HT	40XT20HT	50XT20HT	60XT20HT	80XT20HT
21	08XT21HT	40XT21HT	50XT21HT	60XT21HT	80XT21HT
22	08XT22HT	40XT22HT	50XT22HT	60XT22HT	80XT22HT
23	08XT23HT	40XT23HT	50XT23HT	60XT23HT	80XT23HT
24	08XT24HT	40XT24HT	50XT24HT	60XT24HT	80XT24HT
25	08XT25HT	40XT25HT	50XT25HT	60XT25HT	80XT25HT
26	08XT26HT	40XT26HT	50XT26HT	60XT26HT	80XT26HT
27	08XT27HT	40XT27HT	50XT27HT	60XT27HT	80XT27HT
28	08XT28HT	40XT28HT	50XT28HT	60XT28HT	80XT28HT
29	08XT29HT	40XT29HT	50XT29HT	60XT29HT	80XT29HT
30	08XT30HT	40XT30HT	50XT30HT	60XT30HT	80XT30HT
32	08XT32HT	40XT32HT	50XT32HT	60XT32HT	80XT32HT
34	08XT34HT	40XT34HT	50XT34HT	60XT34HT	80XT34HT
36	08XT36HT	40XT36HT	50XT36HT	60XT36HT	80XT36HT
38	08XT38HT	40XT38HT	50XT38HT	60XT38HT	80XT38HT
40	08XT40HT	40XT40HT	50XT40HT	60XT40HT	80XT40HT
45	08XT45HT	40XT45HT	50XT45HT	60XT45HT	80XT45HT
57	08XT57HT	40XT57HT	50XT57HT	60XT57HT	80XT57HT
76	08XT76HT	40XT76HT	50XT76HT	60XT76HT	80XT76HT



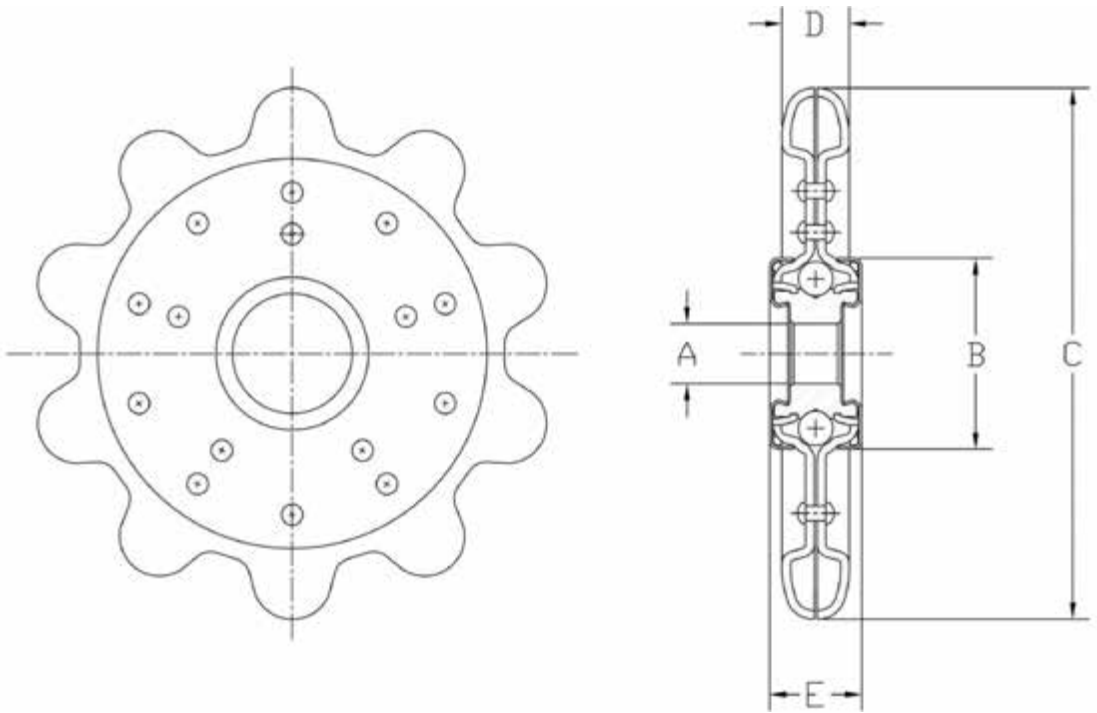
Sprocket Idlers

These sprocket idlers are designed for agricultural detachable link chain. They are installed with standard 1/2" or 5/8" bolts, and (one or the other) include accurately contoured hardened teeth to resist wear and damage to the chain. Aetna idlers are compact, easy to install and built for a long maintenance-free service life.

ADVANTAGES

- Case hardened teeth prolong chain and idler life. Accurately contoured teeth from heavy gauge steel
- Over-size, factory packed lubricant chamber assures maximum life and operating efficiency without troublesome relubrication
- Bearing races are hardened to resist wear, outers and inners are accurately formed for smooth running
- Aetna's self-contouring, free running, self-wiping seal provides positive contact under all conditions of misalignment
- Full ball complement for high durability

Detachable Chain Idlers



PART NO.	UNIT	CHAIN NO	PITCH	ROLLER DIA	TEETH	A	B	C	D	E	WEIGHT (LBS / kg)
AG2422	Inch	62,62H	1.654	.670 / .686	7	.643 / .649	1-13/32	4-29/64	3/4	29/32	1.43
	mm			17.018 / 17.242		16.332 / 16.484	35.718	113.109	19.05	23.018	.6486
AG2422-1AF	Inch	62,62H	1.654	.670 / .686	7	.643 / .649	1-13/32	4-29/64	3/4	29/32	1.43
	mm			17.018 / 17.242		16.332 / 16.484	35.718	113.109	19.05	23.018	.6486

*Includes Felt & Slinger Seals

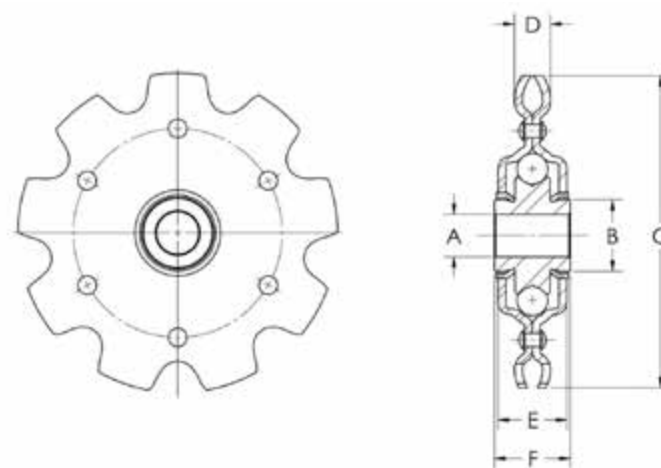
Sprocket Idlers

These sprocket idlers are designed for extended pitch chain. They are installed with standard 1/2" or 5/8" bolts, and (one or the other) include accurately contoured hardened teeth to resist wear and damage to the chain. Aetna idlers are compact and easy to install and built for a long maintenance-free service life. Typical applications include gathering chains on corn heads and other harvesting equipment.

ADVANTAGES

- Case hardened teeth prolong chain and idler life. Accurately contoured teeth from heavy gauge steel
- Over-size, factory packed lubricant chamber assures maximum life and operating efficiency without troublesome relubrication
- Bearing races are hardened to resist wear, outers and inners are accurately formed for smooth running
- Aetna's self-contouring, free running, self-wiping seal provides positive contact under all conditions of misalignment
- Full ball complement for high durability

Double Pitch Chain Idlers



PART NO.	UNIT	CHAIN NO	PITCH	ROLLER DIA	TEETH	A	B	C	D	E	F	WEIGHT (LBS / kg)
AG2416-B	Inch	2050	1-1/4	.400	9	.643 / .649	7/8	3-27/32	11/32	51/64	.927	.75
	mm		31.75	10.16		16.332/16.484	22.225	97.631	8.731	20.240	23.545	.340

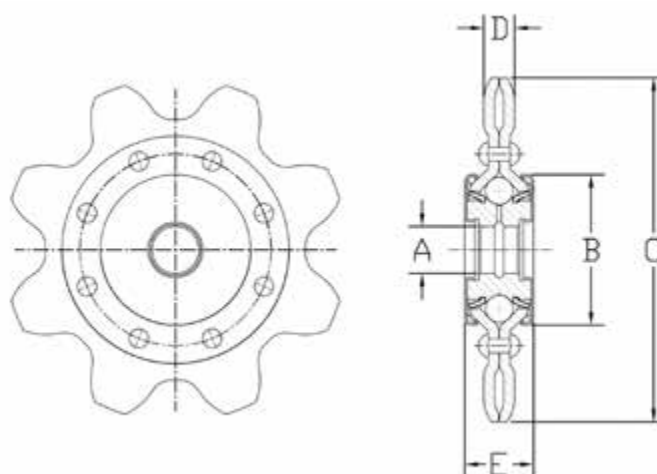
Sprocket Idlers

These sprocket idlers are designed for extended pitch chain. These Aetna idlers are manufactured with heavier gauge steel for greater life and load carrying capacity. They are installed with standard 1/2" or 5/8" bolts, and (one or the other) include accurately contoured hardened teeth to resist wear and damage to the chain. Aetna idlers are compact and easy to install and built for a long maintenance-free service life. Typical applications include gathering chains on corn heads and other harvesting equipment.

ADVANTAGES

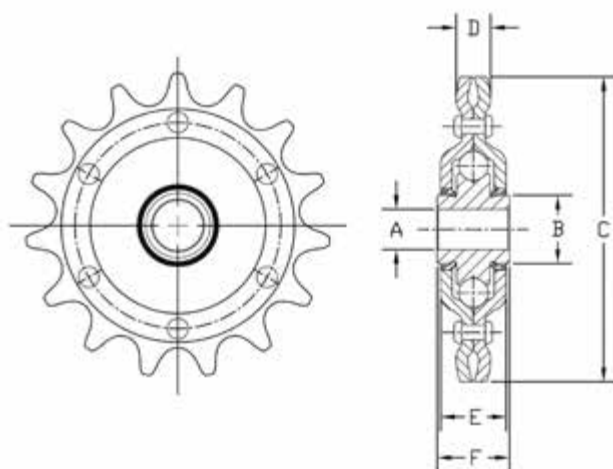
- Case hardened teeth prolong chain and idler life. Accurately contoured teeth from heavy gauge steel
- Over-size, factory packed lubricant chamber assures maximum life and operating efficiency without troublesome relubrication
- Bearing races are hardened to resist wear, outers and inners are accurately formed for smooth running
- Aetna's self-contouring, free running, self-wiping seal provides positive contact under all conditions of misalignment
- Full ball complement for high durability

Heavy Duty Double Pitch Chain Idlers



PART NO.	UNIT	CHAIN NO	PITCH	ROLLER DIA	TEETH	A	B	C	D	E	WEIGHT (LBS / kg)
AG2427	Inch	2060	1-1/2	15/32	8	.643/.649	7/8	4-7/32	7/16	.927	1.13
	mm		38.1	11.906		16.332/16.484	22.225	107.156	11.112	23.545	.512
AG2427-AM	Inch	2060	1-1/2	15/32	8	.516/.522	2-5/64	4-7/32	7/16	31/32	1.50
	mm		38.1	11.906		13.106/13.258	52.784	107.156	11.112	24.606	.680
AG2427-AF	Inch	2060	1-1/2	15/32	8	.643/.649	2-5/64	4-7/32	7/16	31/32	1.46
	mm		38.1	11.906		16.332/16.484	52.784	107.156	11.112	24.606	.662
AG2427-1AF	Inch	2060	1-1/2	15/32	8	.643/.649	2-5/64	4-7/32	7/16	31/32	1.46
	mm		38.1	11.906		16.332/16.484	52.784	107.156	11.112	24.606	.662
AG2438-1AF	Inch	Special	1-1/4	.460	11	.643/.649	2-5/64	4-17/32	9/16	1-1/32	1.50
	mm		31.75	11.684		16.332/16.484	52.784	115.093	14.287	26.193	.680
AG2565-2AF	Inch	555	1.630	21/32	8	.643/.649	2-5/64	4-3/4	7/16	1-3/16	1.69
	mm		41.402	16.668		16.332/16.484	52.784	120.65	11.112	30.162	.776
AG2565-3AF	Inch	555	1.630	21/32	8	.643/.649	2-5/64	4-3/4	7/16	31/32	1.50
	mm		41.402	16.668		16.332/16.484	52.784	120.65	11.112	24.606	.680
AG2566-2AF	Inch	550	1.630	21/32	8	.643/.649	2-5/64	4-3/4	11/16	1-3/16	1.69
	mm		41.402	16.668		16.332/16.484	52.784	120.65	11.112	30.162	.776
AG2566-4AF	Inch	550	1.630	21/32	8	.630/.636	2-5/64	4-3/4	11/16	1-1/32	1.50
	mm		41.402	16.668		16.002/16.154	52.784	120.65	11.112	24.606	.680

Single Pitch Chain Idlers



PART NO.	UNIT	CHAIN NO	PITCH	ROLLER DIA	TEETH	A	B	C	D	E	F	WEIGHT (LBS / kg)
AG2318-S	Inch	40 or 41	1/2	.312 / .306	18	.643 / .649	1	3-1/16	15/64	45/64	.750	.42
	mm			7.924 / 7.772		16.322 / 16.484	25.4	77.787	5.953	17.859	19.05	.190
AG2318-A	Inch	40 or 41	1/2	.312 / .306	18	.516 / .522	1	3-1/16	15/64	45/64	.750	.45
	mm			7.924 / 7.772		13.106 / 13.258	25.4	77.787	5.953	17.859	19.05	.204
AG2416	Inch	50	5/8	.400	17	.643 / .649	7/8	3-5/8	11/32	51/64	.927	.74
	mm			10.16		16.322 / 16.484	22.225	92.075	8.731	20.240	23.5458	.335
AG2416-9**	Inch	50	5/8	.400	17	.643 / .649	7/8	3-5/8	11/32	51/64	.927	.74
	mm			10.16		16.322 / 16.484	22.225	92.075	8.731	20.240	23.5458	.335
AG2416-A	Inch	50	5/8	.400	17	.516 / .522	7/8	3-5/8	11/32	51/64	.927	.77
	mm			10.16		13.106 / 13.258	22.225	92.075	8.731	20.240	23.5458	.349
AG2416-A6**	Inch	50	5/8	.400	17	.516 / .522	7/8	3-5/8	11/32	51/64	1.125	.77
	mm			10.16		13.106 / 13.258	22.225	92.075	8.731	20.240	28.575	.349
AG2416-AP	Inch	50	5/8	.400	17	.516 / .522	7/8	3-5/8	11/32	51/64	.927	.77
	mm			10.16		13.106 / 13.258	22.225	92.075	8.731	20.240	23.5458	.349
AG2436*	Inch	50	5/8	.400	17	.643 / .649	7/8	3-5/8	11/32	27/32	.927	.98
	mm			10.16		16.322 / 16.484	22.225	92.075	8.731	21.431	23.5458	.444
AG2436-A*	Inch	50	5/8	.400	17	.516 / .522	7/8	3-5/8	11/32	27/32	.927	1.01
	mm			10.16		13.106 / 13.258	22.225	92.075	8.731	21.431	23.5458	.458
AG2417	Inch	60	3/4	15/32	15	.643 / .649	7/8	3-29/32	7/16	53/64	.927	.80
	mm			11.906		16.322 / 16.484	22.225	99.218	11.112	21.034	23.5458	.362
AG2417-A	Inch	60	3/4	15/32	15	.516 / .522	7/8	3-5/8	11/32	53/64	.927	.83
	mm			11.906		13.106 / 13.258	22.225	92.075	8.731	21.034	23.5458	.376
AG2437*	Inch	60	3/4	15/32	15	.643 / .649	7/8	3-5/8	11/32	27/32	.927	1.08
	mm			11.906		16.322 / 16.484	22.225	92.075	8.731	21.431	23.5458	.489
AG2437-9**	Inch	60	3/4	15/32	15	.643 / .649	7/8	3-5/8	11/32	27/32	.927	1.08
	mm			11.906		16.322 / 16.484	22.225	92.075	8.731	21.431	23.5458	.489
AG2437-A*	Inch	60	3/4	15/32	15	.516 / .522	7/8	3-5/8	11/32	27/32	.927	1.11
	mm			11.906		13.106 / 13.258	22.225	92.075	8.731	21.431	23.5458	.503
AG2437-A9**	Inch	60	3/4	15/32	15	.516 / .522	7/8	3-5/8	11/32	27/32	.927	1.11
	mm			11.906		13.106 / 13.258	22.225	92.075	8.731	21.431	23.5458	.503

*Extra Heavy Gauge Steel

**Zinc Plated Yellow Hexavalent Chromium Finish

Interchange Chart ASA & BS Sprockets

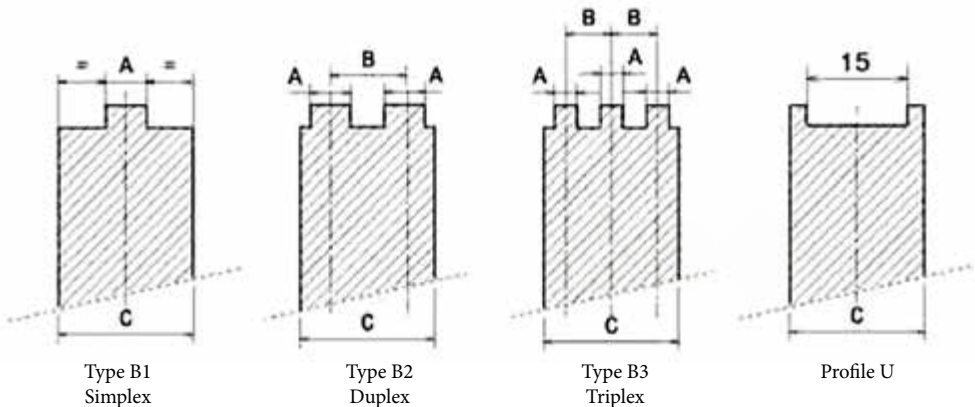
PITCH	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"
BS	06B-1	08B-1	10B-1	12B-1	16B-1	20B-1	24B-1
ASA	35-1	40-1	50-1	60-1	80-1	100-1	120-1
PLATE THICKNESS BS	5.2	7	8.7	10.5	16.1	18.6	24.25
PLATE THICKNESS ASA	4.3	7.2	8.7	11.7	14.6	17.6	25
ROLLER DIAMETER BS	6.35	8.51	10.16	12.07	15.88	19.05	25.4
ROLLER DIAMETER ASA	5.08	7.95	10.16	11.91	15.88	19.05	22.23
BS SPROCKETS ON ASA CHAIN	x	√	√	√	x	x	x
ASA SPROCKETS ON BS CHAIN	x	x	√	x	√	√	√
NOTES	BS and ASA not interchangeable at all.	BS sprockets will wrap ASA chain, but ASA sprockets will not wrap BS chain - roller diameters differ.	BS and ASA are identical plate thickness and roller diameters - both interchangeable	BS sprockets will wrap ASA chain (not recommended for frequent forward/reverse indexing), but ASA sprockets will not wrap BS chain (unless teeth skimmed) - plate thickness differ.	ASA sprockets will wrap BS chain, BS sprockets will not wrap ASA chain (unless teeth have been skimmed.) Take care if using several ASA sprockets on BS chain.	ASA sprockets will wrap BS chain, BS sprockets may need to have teeth skimmed to run on ASA chain - plate thickness differ.	BS sprockets will wrap ASA chain (not recommended for frequent forward/reverse indexing), but ASA sprockets may need to have teeth skimmed to wrap BS chain - plate thickness differ.



TENSIONERS & TOOLS

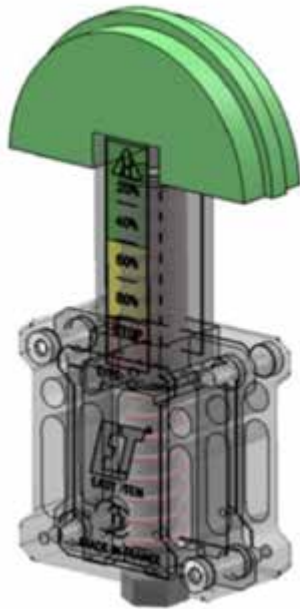
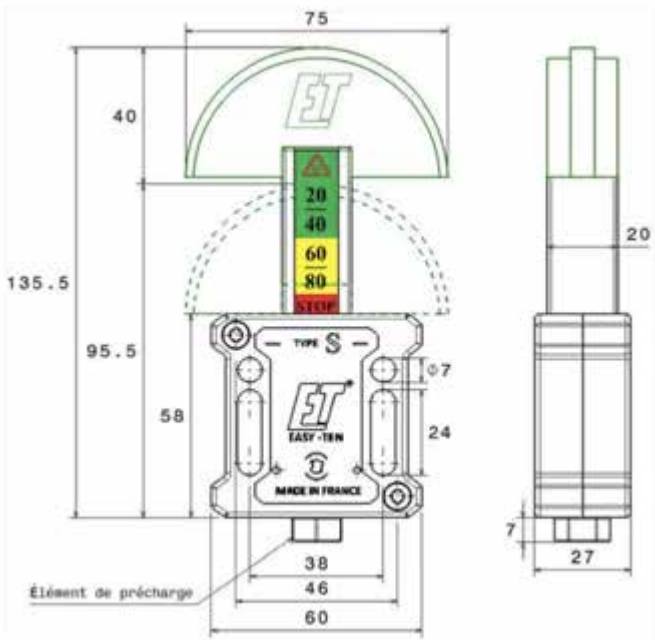
Easy Ten - Type S with Sliding Block	1.5.4
Easy Ten - Type S with Polyamide Roller	1.5.5
Easy Ten - Type S with Sprocket	1.5.6
Easy Ten - L Type AR	1.5.7
Easy Ten - L Type SC	1.5.8
DOM Tensioner Loading Diagrams	1.5.9
DOM Tensioner Cross Reference	1.5.10
Chain & Belt (Rosta Style) Tensioner	1.5.11
Idler Sprocket (to suit tensioner arm)	1.5.12
Belt Roller (to suit tensioner arm)	1.5.12
Chain Breaker and Puller	1.5.13
ROLL-RING® Chain Tensioner	1.5.14





CHAIN SIMPLEX				
Part No.	Chain	A	B	C
ET-S06B1H	06 B1	5	-	20
ET-S06B1UH	06 B1	15	-	20
ET-S08B1H	08 B1	7	-	20
ET-S10B1H	10 B1	9	-	20
ET-S12B1H	12 B1	11	-	20
CHAIN DUPLEX				
Part No.	Chain	A	B	C
ET-S06B2H	06 B2	5	10.24	20
ET-S08B2H	08 B2	7	13.92	20
ET-S10B2H	10 B2	9	19.59	25
CHAIN TRIPLEX				
Part No.	Chain	A	B	C
ET-S06B3H	06 B3	5	10.24	30
ET-S08B3H	08 B3	7	13.92	35

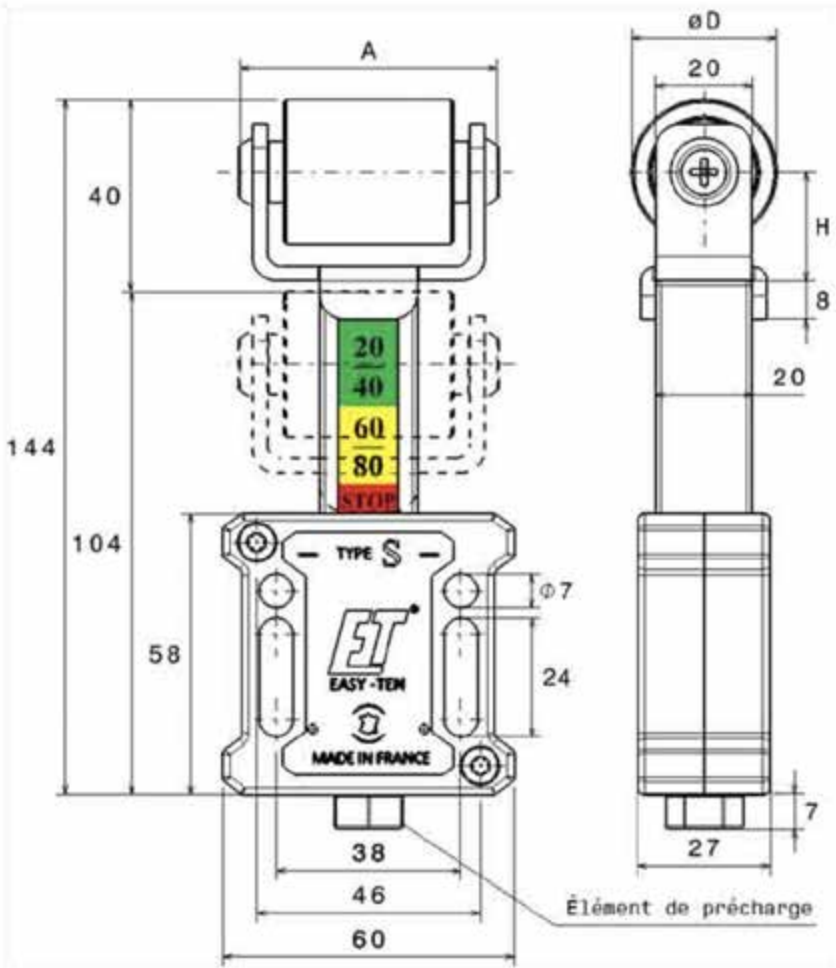
All dimension above are in mm.
By default the tensioners are heavy tension type - light tension box is available (ET-SNUL)

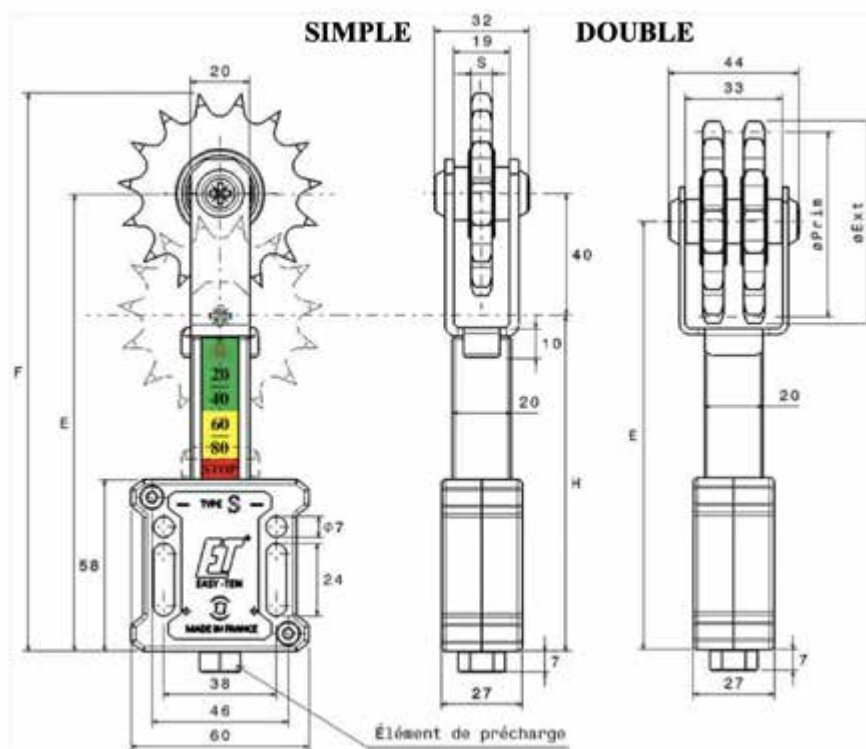




Part No.	MAX SPEED T/min	A	B	C	OD	H
ETRE-2H	8000	54	35	45	30	22.5
ETRE-3/4H	8000	70	45	58	40	27.5

By default the tensioners are heavy tension type - light tension box is available (ET-SNUL)



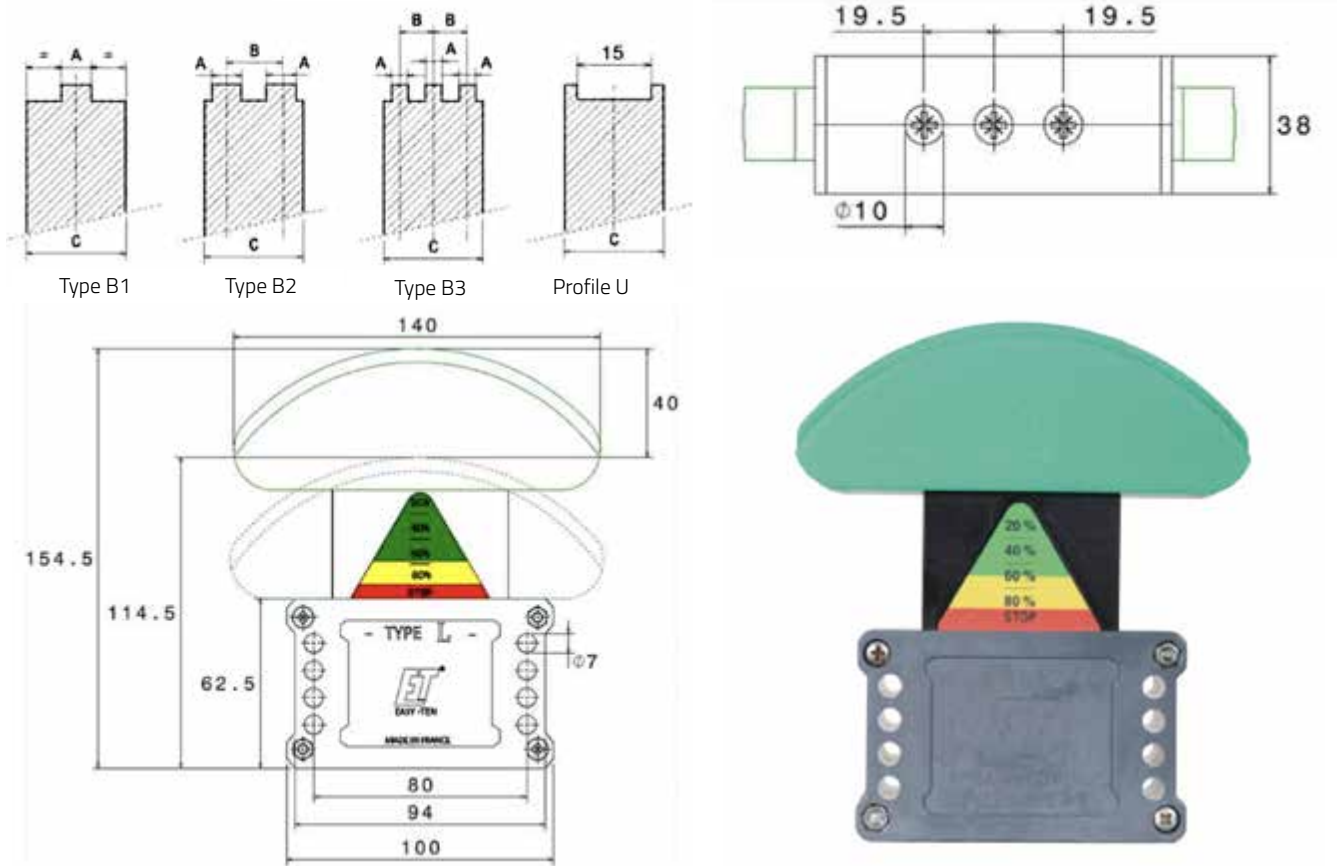


Part No.	Z	Chain		S	OD	PCD	F	E	H
		mm	BS						
ETRX-06B1H	15	9.525	06B1	5.3	49.3	45.81	160	135	95
ETRX-06B2H	15	9.525	06B2	5.3	49.3	45.81	168	143.5	103.5
ETRX-08B1H	15	12.7	08B1	7.2	65.5	61.09	186	153.5	113.5
ETRX-08B2H	15	12.7	08B2	7.2	65.5	61.09	176	143.5	103.5
ETRX-10B1H	15	15.8	10B1	9.1	83	76.36	195	153.5	113.5

By default the tensioners are heavy tension type - light tension box is available (ET-SNUL)



ARC PROFILE



CHAIN SIMPLEX

Part No.	Chain	A	B	C
ETL-AR06B1H	06 B1	5	-	30
ETL-AR08B1H	08 B1	7	-	30
ETL-AR10B1H	10 B1	9	-	30
ETL-AR12B1H	12 B1	11	-	30
ETL-AR16B1H	16 B1	16	-	30
ETL-AR20B1H	20 B1	18	-	30

CHAIN DUPLEX

Part No.	Chain	A	B	C
ETL-AR06B2H	06 B2	5	10.24	30
ETL-AR08B2H	08 B2	7	13.92	30
ETL-AR10B2H	10 B2	9	16.59	30
ETL-AR12B2H	12 B2	11	19.46	35
ETL-AR16B2H	16 B2	16	31.88	50

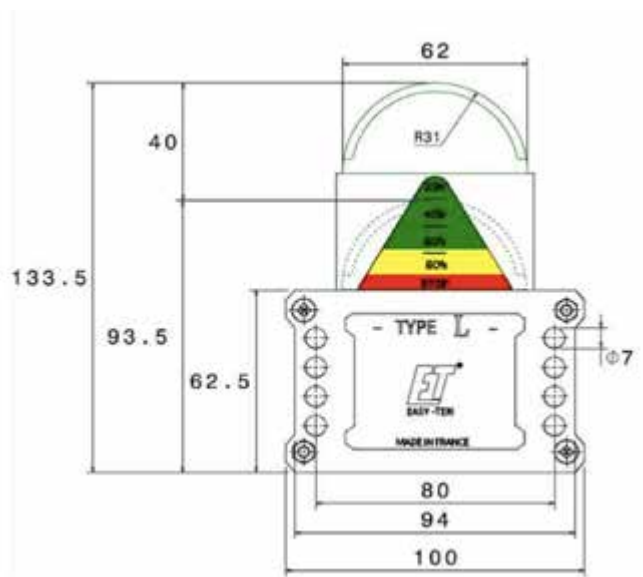
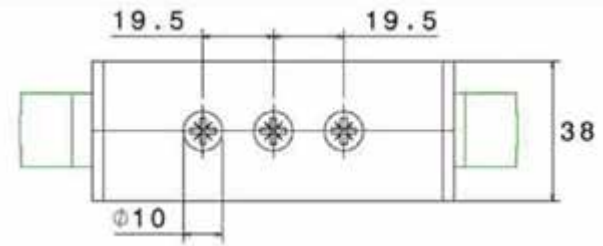
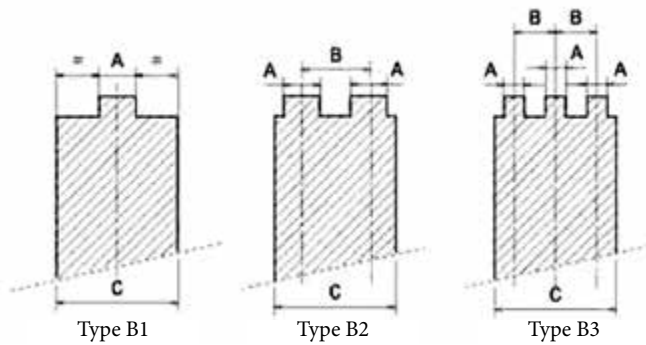
CHAIN TRIPLEX

Part No.	Chain	A	B	C
ETL-AR06B3H	06 B3	5	10.24	30
ETL-AR08B3H	08 B3	7	13.92	35

All dimension above are in mm.

By default the tensioners are heavy tension type - light tension box is available (ET-SNUL)

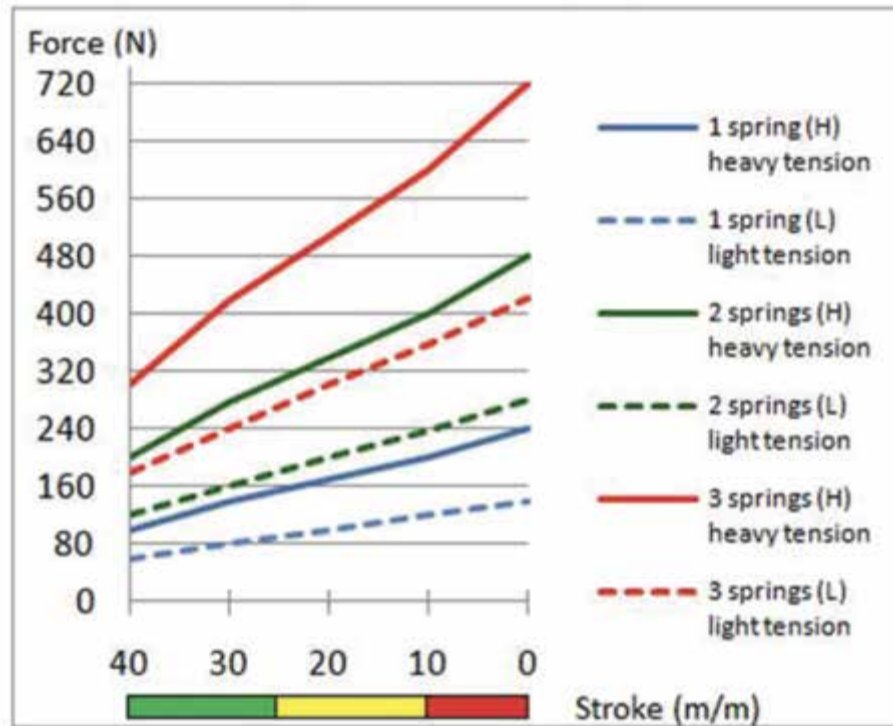
SEMI-CIRCULAR PROFILE



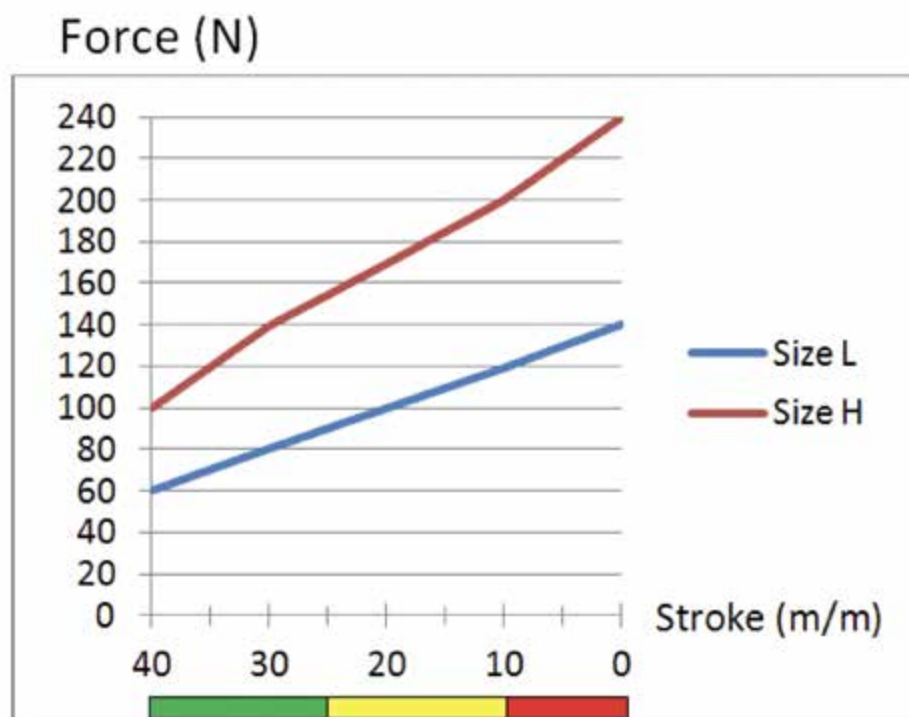
CHAIN SIMPLEX				
Part No.	Chain	A	B	C
ETL-SC06B1H	06 B1	5	-	30
ETL-SC08B1H	08 B1	7	-	30
ETL-SC10B1H	10 B1	9	-	30
ETL-SC12B1H	12 B1	11	-	30
ETL-SC16B1H	16 B1	16	-	30
ETL-SC20B1H	20 B1	18	-	30
CHAIN DUPLEX				
Part No.	Chain	A	B	C
ETL-SC06B2H	06 B2	5	10.24	30
ETL-SC08B2H	08 B2	7	13.92	30
ETL-SC10B2H	10 B2	9	16.59	30
ETL-SC12B2H	12 B2	11	19.46	35
CHAIN TRIPLEX				
Part No.	Chain	A	B	C
ETL-SC06B3H	06 B3	5	10.24	30
ETL-SC08B3H	08 B3	7	13.92	35

By default the tensioners are heavy tension type - light tension box is available (ET-SNUL)

EASY-TEN SERIES L



EASY-TEN SERIES S





Series S		
Chain Simplex		
Part No.	Pitch	Equivalent (Spann Box)
ET-S06B1H	06 B1	S 0 Profile P1
ET-S08B1H	08 B1	S 0 Profile P1
ET-S10B1H	10 B1	S 0 Profile P1
ET-S12B1H	12 B1	S 0 Profile P1
Chain Duplex		
Part No.	Pitch	Equivalent (Spann Box)
ET-S06B2H	06 B2	S 0 Profile P1
ET-S08B2H	08 B2	S 0 Profile P1
ET-S10B2H	10 B2	S 0 Profile P1
Chain Triplex		
Part No.	Pitch	Equivalent (Spann Box)
ET-S06B3H	06 B3	S 0 Profile P1
ET-S08B3H	06 B3	S 0 Profile P1

Series L		
Chain Simplex		
Part No.	Pitch	Equivalent (Spann Box)
ETL-AR06B1H	06 B1	S 30 Profile AA
ETL-AR08B1H	08 B1	S 30 Profile AA
ETL-AR10B1H	10 B1	S 30 Profile AA
ETL-AR12B1H	12 B1	S 30 Profile AA
ETL-AR16B1H	16 B1	S 30 Profile AA
ETL-AR20B1H	20 B1	S 30 Profile AA
Chain Duplex		
Part No.	Pitch	Equivalent (Spann Box)
ETL-AR06B2H	06 B2	S 30 Profile AA
ETL-AR08B2H	08 B2	S 30 Profile AA
ETL-AR10B2H	10 B2	S 30 Profile AA
ETL-AR12B2H	12 B2	S 30 Profile AA
ETL-AR16B2H	16 B2	S 30 Profile AA
Chain Triplex		
Part No.	Pitch	Equivalent (Spann Box)
ETL-AR06B3H	06 B3	S 30 Profile AA
ETL-AR08B3H	08 B3	S 30 Profile AA

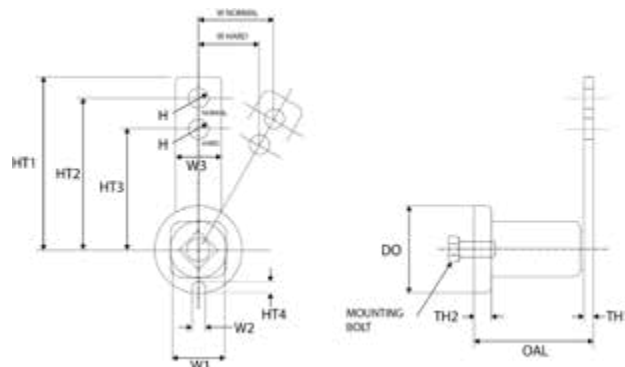
Chain & Belt (Rosta Style) Tensioner

The Elastomeric Tensioners employ a time proven design, to ensure that both chain and belt drives run under a consistent and uniform tension negating chain and belt stretch.



The Elastomeric Tensioner's benefits include:

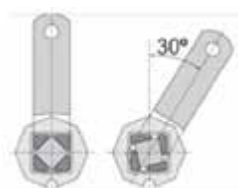
- A one nut mounting system, which allows for 360° rotation.
- Can be pre-tensioned by up to 30°, this means that as the chain or belt stretches, the tensioner automatically takes up the slack as the elastomeric elements automatically adjust the drives tension.
- Chain and Belt life is increased by as much as 30%.
- Elastomeric parts absorb vibrations and shock loading.
- Maintenance Free – no metal on metal parts, lubrication free.
- Impervious to dust and dirt, temperature -40°C to +80°C
- Two holes are provided on the arm, allowing two different levels of force to be generated: "normal" and "hard". The "hard" setting deploys approximately 25% more force.



Type	OD	OAL	TH1	HT2	HT3	W3	HT1	W1	W2	TH2	HT4	H	Mounting Bolt	F in n/M 0 - 30°	Weight (kg)
SE11	35	50	5	80	60	20	90	20	7	7	6	8	M6	0-90	0.25
SE15	50	60	5	100	80	30	110	22	8	8	8	10	M8	0-140	0.45
SE18	60	75	6	100	80	40	115	35	9	10	11	10	M10	0-320	0.75
SE27	80	110	8	135	105	50	155	45	10	15	13	12	M12	0-820	1.8
SE38	105	140	10	180	140	65	200	62	13	16	15	20	M16	0-1500	3.7
SE45	115	200	12	225	190	70	260	78	17	18	20	20	M20	0-2500	6.5

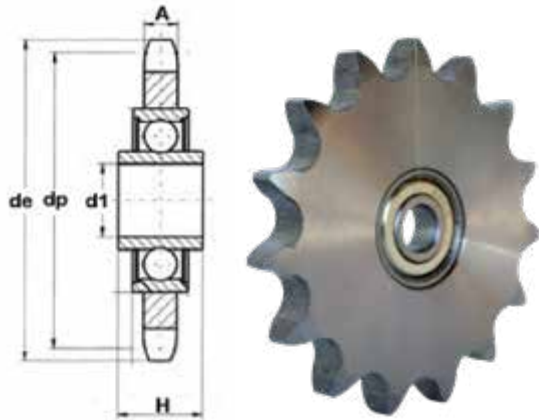
Type	Angle of Pretension						Mounting Bolt Torque
	(Force required in psi)						
	10°		20°		30°		
	Normal	Hard	Normal	Hard	Normal	Hard	
SE11	3.4	4.5	9.0	11.9	18.0	23.9	89
SE15	5.6	7.0	14.6	18.2	30.4	37.8	221
SE18	16.9	20.9	40.5	50.6	78.7	98.2	434
SE27	33.8	43.8	85.4	111.1	179.8	233.8	761
SE38	65.3	81.4	164.1	205.0	337.2	421.5	1,859
SE45	112.5	140.5	292.5	365.6	584.5	730.7	3,629

Tensioner Selection		
Chain	Belt	Tensioner
25-1	A	SE11
35-1-2-3	A, B	SE15
35-1-2-3	B, C	SE18
40-1-2-3		
40-3	D, E	SE27
50-1-2-3		
60-1-2-3		
80-1-2-3	-	SE38
80-3	-	SE45
100-1-2-3		
120-1-2-3		
140-1-2		
160-1-2		
180-1-2		
200-1-2		



The optimum angle of pretension is 20° the maximum angle is 30°. At 20° the tensioner has maximum capability to absorb vibrations and shock loads, and still have enough arc motion to automatically take up belt or chain stretch.

Idler Sprocket (to suit tensioner arm)



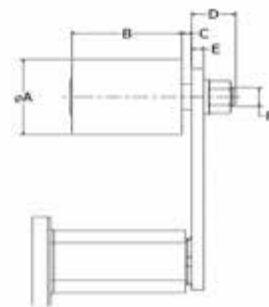
Idler Sprockets in conjunction with Tensioners provide an efficient solution to maintaining smooth running drives, inhibiting the effects of chain stretch and ensuring chains don't jump their drives.

These prefabricated Idler Sprockets employ a standard precision roller bearing.

Available in a range of sizes with pins to suit, this range of Idler Sprockets are designed for use in conjunction with the SE Series Tensioners.

Part No	Pitch	Teeth	de	dp	A	D1	Bolt	H
SE15/SE18-06B-15	3/8"	15	49.5	45.8	5.3	10	10X55	9
SE15/SE18-08B-15	1/2"	15	65.9	61.1	7.2	10	10X55	9
SE27-08B-15	1/2"	15	65.9	61.1	7.2	12	12X80	9
SE27-10B-15	5/8"	15	83.2	76.4	9.1	12	12X80	10
SE27-12B-15	3/4"	15	99.8	91.6	11.1	12	12X80	11.1
SE38-10B-15	5/8"	15	83.2	76.4	9.1	20	20X100	14
SE38-12B-15	3/4"	15	99.8	91.6	11.1	20	20X100	14
SE38-16B-13	1"	13	117.7	106.1	16.2	20	20X100	16
SE45-20B-13	1-1/4"	13	147.5	132.7	18.5	20	20X130	18

Belt Roller (to suit tensioner arm)



Part No	Max Speed	Max Belt Width	A	B	C	D	E	F	Weight
	RPM		mm						KG
SE11-BT30X35	8000	30	30	35	2	14	5	M8	0.08
SE15/18-BT40X45	8000	40	40	45	6	16	7	M10	0.17
SE27-BT60X60	6000	55	60	60	8	17	8	M12	0.4
SE38-BT80X90	5000	85	80	90	8	25	10	M20	1.15
SE45-BT80X135	4500	130	90	135	10	27	12	M20	1.75

Dimensions are in mm.

Finer Chain Breakers offer an easy and convenient way of breaking riveted roller chain links. Suitable for both British Standard and ASA chain.

Finer No.1 Chain Breaker (25-60 Chain Breaker)

Suitable for $\frac{1}{4}$ " – $\frac{3}{4}$ " chain



Finer No.2 Chain Breaker (60-100 Chain Breaker)

Suitable for $\frac{3}{4}$ " – $1 \frac{1}{4}$ " chain



To use chain puller

- 1) Hook the two jaws into each end of the chain;
- 2) Turn the screw until the two ends almost meet;
- 3) Insert the connecting link and fasten.

Finer No.1 Chain puller (25-60 Chain puller)



Finer No.2 Chain puller (60-100 Chain puller)



Tip: To avoid unnecessary bending of link plates, press pins out evenly. Pop the rivet of the first pin and then the second, when both pins have been "cracked", proceed with fully pushing the pins out.

Finer Power Transmissions stocks a range of Roll-Ring Chain Tensioners to suit both BS and ANSI Chains. ROLL-RING Chain Tensioners can be applied in a wide variety of fields of mechanical engineering and are very easy to install.

ROLL-RING Chain Tensioners do not require any time for maintenance or adjustment; they are automatic, always exactly diametrical and self-lubricating in chain operation.



Product Range General Mechanical Engineering according to ANSI 29.1 / ISO BS 228.

Article No 1	Description	ISO Chain-No.	ANSI ChainNo.	Chain Dimension p x b1 (Inches)	Teeth ROLL-RING	Max. Static Expansive Force (N) **	Maximum Chain Speed (m/s)	Ambient Temperature (C)	App. Kg
105 03 001	05 B 30	ISO 05	-	8mm x 1/8"	30	2.9	5.0	-20 till +70	0.002
106 030 01	06 B 30	ISO 06	-	3/8 x 7/32"	30	15.2	5.2	-20 till +70	0.006
106 036 01	06 B 36	ISO 06	-	3/8 x 7/32"	36	28.5	5.2	-20 till +70	0.017
108 026 01	08B/40 26	ISO 08	40	1/2 x 5/16"	26	13.4	7.5	-20 till +70	0.012
108 030 01	08B/40 30	ISO 08	40	1/2 x 5/16"	30	14.2	8.6	-20 till +70	0.0015
108 034 01	08B/40 34	ISO 08	40	1/2 x 5/16"	34	22.0	8.8	-20 till +70	0.024
110 026 01	10B/50 26	ISO 10	50	5/8 x 3/8"	26	28.2	4.2	-20 till +70	0.025
110 030 01	10B/50 30	ISO 10	50	5/8 x 3/8"	30	23.0	8.8	-20 till +70	0.030
110 034 01	10B/50 34	ISO 10	50	5/8 x 3/8"	34	45.1	8.8	-20 till +70	0.055
112 026 01	12B/60 26	ISO 12	60	3/4 x 7/16"	26	39.2	5.4	-20 till +70	0.045
112 030 01	12B/60 30	ISO 12	60	3/4 x 7/16"	30	32.2	6.2	-20 till +70	0.052
112 034 01	12B/60 34	ISO 12	60	3/4 x 7/16"	34	70.5	6.4	-20 till +70	0.096
116 026 01	16B/80 26	ISO 16	80	1" x 17mm	26	95.7	5.7	-20 till +70	0.115
116 030 01	16B/80 30	ISO 16	80	1" x 17mm	30	108.5	6.2	-20 till +70	0.178
120 030 01	20B/100 30	ISO 20	100	1-1/4 x 3/4"	30	80.5	7.0	-20 till +70	0.233
806 030 01	06 C 30	-	35	3/8 x 3/16"	30	1.28 (Lbs)	1024 (ft/min)	-4 till +158 (F)	0.011 (lbs)
816 030 01	16 A 30	-	80	1 x 5/8"	30	23.15 (Lbs)	1122 (ft/min)	-4 till +158 (F)	0.348 (lbs)

** on 20°C and maximum tensioning deformation; without dynamic tensioning force proportional to the chain speed

This information is based on our current knowledge & experiences. The user is not released from own trials and experiences due to possible application-specific requirements. Changes concerning technical development are reserved.

Easy Installation



ROLL-RING SELECTION

Information on Chain Drive (If known)

Chain Type _____ (BS/ANSI-No)
 No. of Links X =

Chain is - New [] pre-stressed [] Run-In []

Driving Sprocket

z1 = _____ z2 = _____ RPM: _____

Special environmental influence:

UV-Radiation; Chemicals; Temperatures;
 Other Conditions

HOW TO SELECT:

Please complete below drawing, provide details and we will help make selection.

NB. Accurate selection could take up to 24hrs

