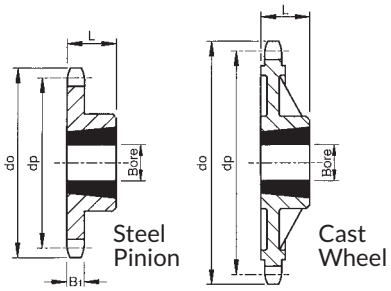
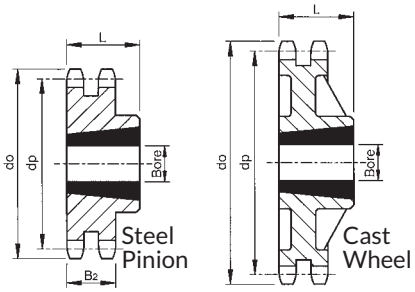
Taper Bore Sprockets for ⅜" Pitch British Standard Chains Type 06B

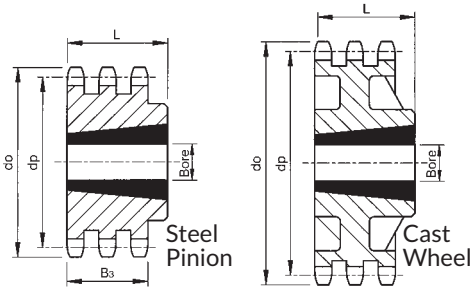
Conforming to ISO Std 606



Simplex Sprockets
06B-1 Chain - Tooth Width B1 - 5.3mm



Duplex Sprockets
06B-2 Chain - Tooth Width B2 - 15.4mm



Triplex Sprockets
06B-3 Chain - Tooth Width B3 - 25.6mm

		Cat. No.	No. Teeth	Pitch Circle Ø dp	Outside Ø do	Taper Bore Bush			Length L	Approx. Weight kg
						Bush No.	Min. Bore	Max. Bore		
06B-1 Simplex Chain Sprockets	Steel Sprockets	TB 06B1-17	17	51.83	55.3	1008	9	25	22	0.13
		TB 06B1-18	18	54.85	58.3	1008	9	25	22	0.14
		TB 06B1-19	19	57.87	61.3	1008	9	25	22	0.15
		TB 06B1-20	20	60.89	64.3	1008	9	25	22	0.17
		TB 06B1-21	21	63.91	68.0	1008	9	25	22	0.18
		TB 06B1-22	22	66.93	71.0	1108	9	28	22	0.20
		TB 06B1-23	23	69.95	73.5	1210	11	32	25	0.30
		TB 06B1-24	24	72.97	77.0	1210	11	32	25	0.31
		TB 06B1-25	25	76.00	80.0	1210	11	32	25	0.33
		TB 06B1-26	26	79.02	83.0	1210	11	32	25	0.34
		TB 06B1-27	27	82.05	86.0	1210	11	32	25	0.36
		TB 06B1-28	28	85.07	89.0	1210	11	32	25	0.37
		TB 06B1-30	30	91.12	94.7	1210	11	32	25	0.40
		TB 06B1-38	38	115.35	119.5	1210	11	32	25	0.56
		TB 06B1-45	45	136.55	140.7	1210	11	32	25	0.85
		TB 06B1-57	57	172.91	176.9	1210	11	32	25	1.21
		TB 06B1-76	76	230.49	234.9	1210	11	32	25	1.96
		TB 06B1-95	95	288.08	292.5	1210	11	32	25	3.10
		TB 06B1-114	114	345.68	349.5	1215	11	32	38	4.62
	Cast Iron Wheels	TB 06B1-45C	45	136.55	140.7	1210	11	32	25	1.15
		TB 06B1-57C	57	172.91	176.9	1210	11	32	25	1.50
		TB 06B1-76C	76	230.49	234.9	1210	11	32	25	2.00
		TB 06B1-95C	95	288.08	292.5	1210	11	32	25	3.20
		TB 06B1-114C	114	345.68	349.5	1215	11	32	38	4.00
06B-2 Duplex Chain Sprockets	Steel Sprockets	TB 06B2-17	17	51.83	55.3	1008	9	25	22	0.11
		TB 06B2-18	18	54.85	58.3	1008	9	25	22	0.14
		TB 06B2-19	19	57.87	61.3	1008	9	25	22	0.18
		TB 06B2-20	20	60.89	64.3	1008	9	25	22	0.22
		TB 06B2-21	21	63.91	68.0	1008	9	25	22	0.26
		TB 06B2-22	22	66.93	71.0	1108	9	28	22	0.28
		TB 06B2-23	23	69.95	73.5	1210	11	32	25	0.26
		TB 06B2-24	24	72.97	77.0	1210	11	32	25	0.32
		TB 06B2-25	25	76.00	80.0	1210	11	32	25	0.38
		TB 06B2-26	26	79.02	83.0	1210	11	32	25	0.43
		TB 06B2-27	27	82.05	86.0	1210	11	32	25	0.51
		TB 06B2-28	28	85.07	89.0	1210	11	32	25	0.56
		TB 06B2-30	30	91.12	94.7	1210	11	32	25	0.69
		TB 06B2-38	38	115.35	119.5	1610	14	42	25	1.05
		TB 06B2-45	45	136.55	140.7	1610	14	42	25	1.54
		TB 06B2-57	57	172.91	176.9	1610	14	42	25	2.58
		TB 06B2-76	76	230.49	234.9	1610	14	42	25	4.75
		TB 06B2-95	95	288.08	292.5	1610	14	42	25	7.67
		TB 06B2-114	114	345.68	349.5	1615	14	42	38	11.63
	Cast Iron Wheels	TB 06B2-45C	45	136.55	140.7	1610	14	42	25	1.76
		TB 06B2-57C	57	172.91	176.9	1610	14	42	25	1.80
		TB 06B2-76C	76	230.49	234.9	1610	14	42	25	2.30
		TB 06B2-95C	95	288.08	292.5	1610	14	42	25	4.60
		TB 06B2-114C	114	345.68	349.5	1615	14	42	38	5.30
06B-3 Triplex Chain Sprockets	Steel Sprockets	TB 06B3-17	17	51.83	55.3	1008	9	25	25.6	0.15
		TB 06B3-19	19	57.87	61.3	1008	9	25	25.6	0.24
		TB 06B3-21	21	63.91	68.0	1008	9	25	25.6	0.35
		TB 06B3-23	23	69.95	73.5	1210	11	32	25.6	0.30
		TB 06B3-25	25	76.00	80.0	1210	11	32	25.6	0.43
		TB 06B3-27	27	82.05	86.0	1210	11	32	25.6	0.57
		TB 06B3-30	30	91.12	94.7	1615	14	42	38.1	0.90
		TB 06B3-38	38	115.35	119.5	1615	14	42	38.1	1.80

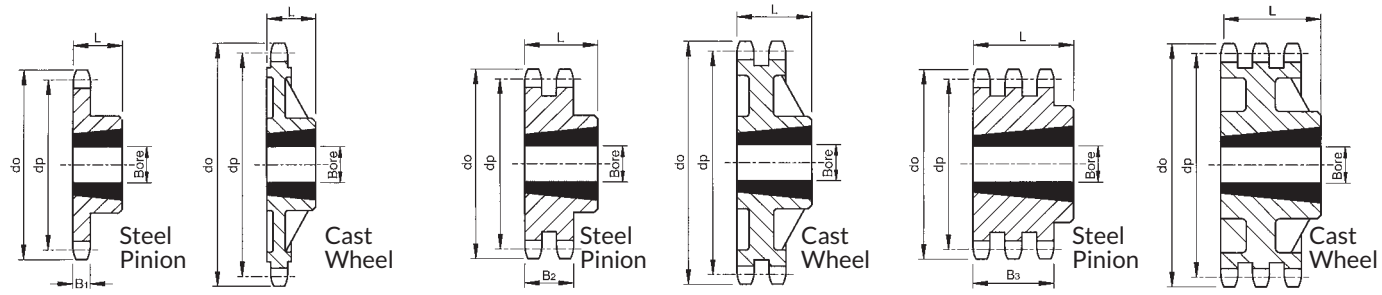
All dimensions in mm. For details of Taper Bore Bushes refer to pages 34/35.

Additional Facilities

Steel Taper Bore Sprockets up to 38 teeth are suitable for Induction Hardening of teeth. Sprockets with teeth hardened to 45 Rc can be supplied on 48-hours lead time.

Taper Bore Sprockets for ½" Pitch British Standard Chains Type 08B

Conforming to ISO Std 606



Simplex Sprockets
08B-1 Chain - Tooth Width B1 - 7.2mm

Duplex Sprockets
08B-2 Chain - Tooth Width B2 - 21.0mm

Triplex Sprockets
08B-3 Chain - Tooth Width B3 - 34.9mm

		Cat. No.	No. Teeth	Pitch Circle Ø dp	Outside Ø do	Taper Bore Bush			Length L	Approx. Weight kg
						Bush No.	Min. Bore	Max. Bore		
08B-1 Simplex Chain Sprockets	Steel Sprockets	TB 08B1-14	14	57.07	61.8	1008	9	25	22	0.11
		TB 08B1-15	15	61.09	65.5	1008	9	25	22	0.16
		TB 08B1-16	16	65.10	69.5	1108	9	28	22	0.20
		TB 08B1-17	17	69.11	73.6	1210	11	32	25	0.24
		TB 08B1-18	18	73.14	77.8	1210	11	32	25	0.27
		TB 08B1-19	19	77.16	81.7	1210	11	32	25	0.33
		TB 08B1-20	20	81.19	85.8	1610	14	42	25	0.33
		TB 08B1-21	21	85.22	89.7	1610	14	42	25	0.36
		TB 08B1-22	22	89.24	93.8	1610	14	42	25	0.39
		TB 08B1-23	23	93.27	98.2	1610	14	42	25	0.50
		TB 08B1-24	24	97.29	101.8	1610	14	42	25	0.53
		TB 08B1-25	25	101.33	105.8	1610	14	42	25	0.56
		TB 08B1-26	26	105.36	110.0	1610	14	42	25	0.60
		TB 08B1-27	27	109.40	114.4	1610	14	42	25	0.64
		TB 08B1-28	28	113.42	118.0	2012	14	50	32	0.83
		TB 08B1-30	30	121.50	126.1	2012	14	50	32	0.91
		TB 08B1-38	38	153.80	158.6	2012	14	50	32	1.29
		TB 08B1-45	45	182.07	188.0	2012	14	50	32	2.00
		TB 08B1-57	57	230.54	236.4	2012	14	50	32	2.87
		TB 08B1-76	76	307.33	313.3	2012	14	50	32	4.67
		TB 08B1-95	95	384.11	390.1	2012	14	50	32	6.99
		TB 08B1-114	114	460.90	466.9	2517	19	65	45	10.12
	Cast Iron Wheels	TB 08B1-45C	45	182.07	188.0	2012	14	50	32	2.07
		TB 08B1-57C	57	230.54	236.4	2012	14	50	32	2.67
		TB 08B1-76C	76	307.33	313.3	2012	14	50	32	3.60
		TB 08B1-95C	95	384.11	390.1	2012	14	50	32	5.10
		TB 08B1-114C	114	460.90	466.9	2517	19	65	45	7.10
08B-2 Duplex Chain Sprockets	Steel Sprockets	TB 08B2-15	15	61.09	65.5	1008	9	25	22	0.21
		TB 08B2-16	16	65.10	69.5	1108	9	28	22	0.24
		TB 08B2-17	17	69.11	73.6	1210	11	32	25	0.22
		TB 08B2-18	18	73.14	77.8	1210	11	32	25	0.30
		TB 08B2-19	19	77.16	81.7	1210	11	32	25	0.37
		TB 08B2-20	20	81.19	85.8	1610	14	42	25	0.31
		TB 08B2-21	21	85.22	89.7	1610	14	42	25	0.40
		TB 08B2-22	22	89.24	93.8	1610	14	42	25	0.51
		TB 08B2-23	23	93.27	98.2	1610	14	42	25	0.61
		TB 08B2-24	24	97.29	101.8	1610	14	42	25	0.72
		TB 08B2-25	25	101.33	105.8	2012	14	50	32	0.70
		TB 08B2-26	26	105.36	110.0	2012	14	50	32	0.80
		TB 08B2-27	27	109.40	114.4	2012	14	50	32	0.91
		TB 08B2-28	28	113.42	118.0	2012	14	50	32	1.01
		TB 08B2-30	30	121.50	126.1	2012	14	50	32	1.25
		TB 08B2-38	38	153.80	158.6	2012	14	50	32	2.51
		TB 08B2-45	45	182.07	188.0	2012	14	50	32	3.73
		TB 08B2-57	57	230.54	236.4	2012	14	50	32	6.27
		TB 08B2-76	76	307.33	313.3	2012	14	50	32	11.56
		TB 08B2-95	95	384.11	390.1	2012	14	50	32	18.41
		TB 08B2-114	114	460.90	466.9	2517	19	65	45	26.91
	Cast Iron Wheels	TB 08B2-45C	45	182.07	188.0	2012	14	50	32	3.36
		TB 08B2-57C	57	230.54	236.4	2012	14	50	32	3.55
		TB 08B2-76C	76	307.33	313.3	2012	14	50	32	4.76
		TB 08B2-95C	95	384.11	390.1	2012	14	50	32	7.20
		TB 08B2-114C	114	460.90	466.9	2517	19	65	45	9.50
08B-3 Triplex Chain Sprockets	Steel Sprockets	TB 08B3-15	15	61.09	65.5	1008	9	25	34.9	0.35
		TB 08B3-17	17	69.11	73.6	1210	11	32	34.9	0.33
		TB 08B3-19	19	77.16	81.7	1210	11	32	34.9	0.56
		TB 08B3-21	21	85.22	89.7	1610	14	42	34.9	0.62
		TB 08B3-23	23	93.27	98.2	1610	14	42	34.9	0.91
		TB 08B3-25	25	101.33	105.8	2012	14	50	34.9	0.85
		TB 08B3-27	27	109.40	114.4	2012	14	50	34.9	1.21
		TB 08B3-30	30	121.50	126.1	2012	14	50	34.9	1.76
		TB 08B3-38	38	153.80	158.6	2012	14	50	34.9	3.59

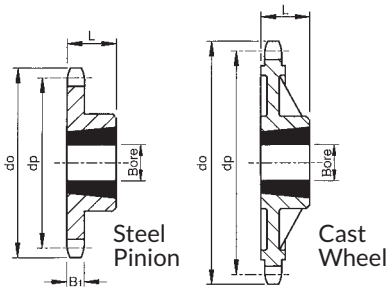
All dimensions in mm. For details of Taper Bore Bushes refer to pages 34/35.

Additional Facilities

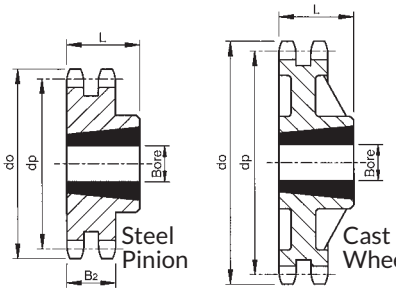
Steel Taper Bore Sprockets up to 38 teeth are suitable for Induction Hardening of teeth. Sprockets with teeth hardened to 45 Rc can be supplied on 48-hours lead time.

Taper Bore Sprockets for ⅝" Pitch British Standard Chains Type 10B

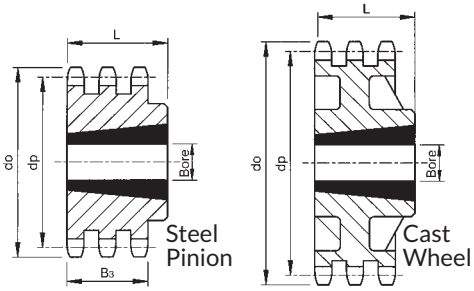
Conforming to ISO Std 606



Simplex Sprockets
10B-1 Chain - Tooth Width B1 - 9.1mm



Duplex Sprockets
10B-2 Chain - Tooth Width B2 - 25.5mm



Triplex Sprockets
10B-3 Chain - Tooth Width B3 - 42.1mm

		Cat. No.	No. Teeth	Pitch Circle Ø dp	Outside Ø do	Taper Bore Bush			Length L	Approx. Weight kg
						Bush No.	Min. Bore	Max. Bore		
10B-1 Simplex Chain Sprockets	Steel Sprockets	TB 10B1-13	13	66.32	73.0	1008	9	25	22	0.23
		TB 10B1-14	14	71.34	78.0	1108	9	28	22	0.28
		TB 10B1-15	15	76.36	83.0	1210	11	32	25	0.31
		TB 10B1-16	16	81.37	88.0	1610	14	42	25	0.33
		TB 10B1-17	17	86.39	93.0	1610	14	42	25	0.39
		TB 10B1-18	18	91.42	98.3	1610	14	42	25	0.50
		TB 10B1-19	19	96.45	103.3	1610	14	42	25	0.55
		TB 10B1-20	20	101.49	108.4	1610	14	42	25	0.60
		TB 10B1-21	21	106.52	113.4	1610	14	42	25	0.67
		TB 10B1-22	22	111.55	118.0	1610	14	42	25	0.72
		TB 10B1-23	23	116.58	123.4	1610	14	42	25	0.79
		TB 10B1-24	24	121.62	128.3	2012	14	50	32	0.98
		TB 10B1-25	25	126.66	134.0	2012	14	50	32	1.06
		TB 10B1-26	26	131.70	139.0	2012	14	50	32	1.13
		TB 10B1-27	27	136.75	144.0	2012	14	50	32	1.20
		TB 10B1-28	28	141.78	148.7	2012	14	50	32	1.27
		TB 10B1-30	30	151.87	158.8	2012	14	50	32	1.43
		TB 10B1-38	38	192.24	199.2	2012	14	50	32	2.45
		TB 10B1-45	45	227.58	235.0	2012	14	50	32	3.27
		TB 10B1-57	57	288.18	296.0	2012	14	50	32	5.01
		TB 10B1-76	76	384.16	392.1	2012	14	50	32	8.59
		TB 10B1-95	95	480.14	488.5	2517	19	65	45	13.47
		TB 10B1-114	114	576.13	584.1	2517	19	65	45	19.09
	Cast Iron Wheels	TB 10B1-45C	45	227.58	235.0	2012	14	50	32	2.80
		TB 10B1-57C	57	288.18	296.0	2012	14	50	32	3.50
		TB 10B1-76C	76	384.16	392.1	2012	14	50	32	5.40
		TB 10B1-95C	95	480.14	488.5	2517	19	65	45	8.80
		TB 10B1-114C	114	576.13	584.1	2517	19	65	45	14.00
10B-2 Duplex Chain Sprockets	Steel Sprockets	TB 10B2-13	13	66.32	73.0	1108	9	28	25.5	0.31
		TB 10B2-14	14	71.34	78.0	1210	11	32	25.5	0.28
		TB 10B2-15	15	76.36	83.0	1210	11	32	25.5	0.38
		TB 10B2-16	16	81.37	88.0	1610	14	42	25.5	0.34
		TB 10B2-17	17	86.39	93.0	1610	14	42	25.5	0.46
		TB 10B2-18	18	91.42	98.3	1610	14	42	25.5	0.60
		TB 10B2-19	19	96.45	103.3	1610	14	42	25.5	0.73
		TB 10B2-20	20	101.49	108.4	1610	14	42	25.5	0.88
		TB 10B2-21	21	106.52	113.4	1610	14	42	25.5	1.03
		TB 10B2-22	22	111.55	118.0	1610	14	42	25.5	1.18
		TB 10B2-23	23	116.58	123.4	1610	14	42	25.5	1.35
		TB 10B2-24	24	121.62	128.3	2012	14	50	32	1.40
		TB 10B2-25	25	126.66	134.0	2012	14	50	32	1.61
		TB 10B2-26	26	131.70	139.0	2012	14	50	32	1.80
		TB 10B2-27	27	136.75	144.0	2012	14	50	32	2.00
		TB 10B2-28	28	141.78	148.7	2012	14	50	32	2.20
		TB 10B2-30	30	151.87	158.8	2012	14	50	32	2.64
		TB 10B2-38	38	192.24	199.2	2517	19	65	45	4.79
	Cast Iron Wheels	TB 10B2-45C	45	227.58	235.0	2517	19	65	45	4.40
		TB 10B2-57C	57	288.18	296.0	2517	19	65	45	5.80
		TB 10B2-76C	76	384.16	392.1	3020	25	75	51	7.10
		TB 10B2-95C	95	480.14	488.5	3020	25	75	51	12.40
		TB 10B2-114C	114	576.13	584.1	3020	25	75	51	22.30
10B-3 Triplex Chain Sprockets	Steel Sprockets	TB 10B3-15	15	76.36	83.0	1210	11	32	42.1	0.60
		TB 10B3-17	17	86.39	93.0	1210	11	32	42.1	0.98
		TB 10B3-19	19	96.45	103.3	1615	14	42	42.1	1.19
		TB 10B3-21	21	106.52	113.4	1615	14	42	42.1	1.68
		TB 10B3-23	23	116.58	123.4	2012	14	50	42.1	1.78
		TB 10B3-25	25	126.66	134.0	2517	19	65	44.5	1.84
		TB 10B3-27	27	136.75	144.0	2517	19	65	44.5	2.49
		TB 10B3-30	30	151.87	158.8	2517	19	65	44.5	3.57

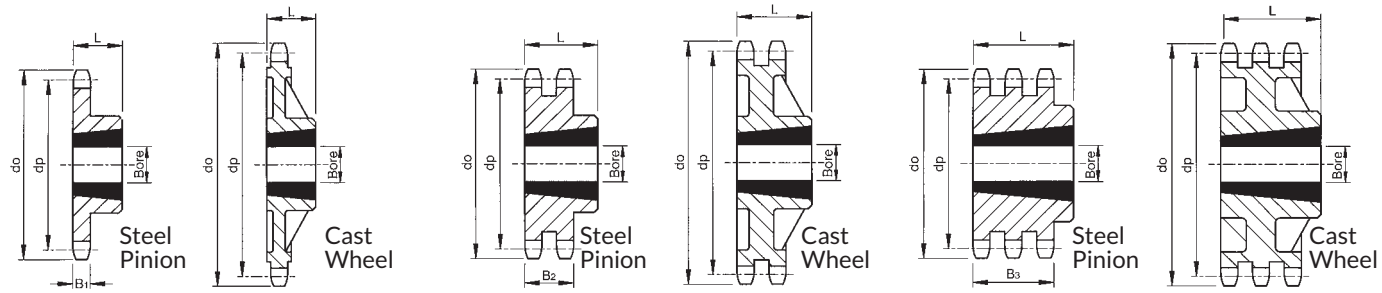
All dimensions in mm. For details of Taper Bore Bushes refer to pages 34/35.

Additional Facilities

Steel Taper Bore Sprockets up to 38 teeth are suitable for Induction Hardening of teeth. Sprockets with teeth hardened to 45 Rc can be supplied on 48-hours lead time.

Taper Bore Sprockets for ¾" Pitch British Standard Chains Type 12B

Conforming to ISO Std 606



Simplex Sprockets
12B-1 Chain - Tooth Width B1 - 11.1mm

Duplex Sprockets
12B-2 Chain - Tooth Width B2 - 30.3mm

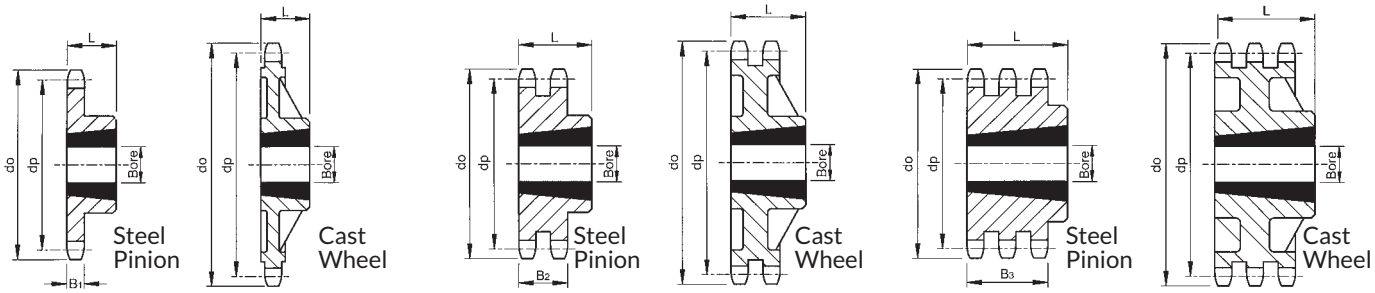
Triplex Sprockets
12B-3 Chain - Tooth Width B3 - 49.8mm

		Cat. No.	No. Teeth	Pitch Circle Ø dp	Outside Ø do	Taper Bore Bush			Length L	Approx. Weight kg
						Bush No.	Min. Bore	Max. Bore		
12B-1 Simplex Chain Sprockets	Steel Sprockets	TB 12B1-13	13	79.59	87.5	1210	11	32	25	0.35
		TB 12B1-14	14	85.61	93.6	1610	14	42	25	0.38
		TB 12B1-15	15	91.63	99.8	1610	14	42	25	0.45
		TB 12B1-16	16	97.65	105.5	1610	14	42	25	0.58
		TB 12B1-17	17	103.67	111.5	1610	14	42	25	0.67
		TB 12B1-18	18	109.71	118.0	2012	14	50	32	0.86
		TB 12B1-19	19	115.75	124.2	2012	14	50	32	0.95
		TB 12B1-20	20	121.78	129.7	2012	14	50	32	1.03
		TB 12B1-21	21	127.82	136.0	2517	19	65	45	1.26
		TB 12B1-22	22	133.86	141.8	2517	19	65	45	1.35
		TB 12B1-23	23	139.90	149.0	2517	19	65	45	1.74
		TB 12B1-24	24	145.94	153.9	2517	19	65	45	1.83
		TB 12B1-25	25	152.00	160.0	2517	19	65	45	1.95
		TB 12B1-26	26	158.04	165.9	2517	19	65	45	2.07
		TB 12B1-27	27	164.09	172.3	2517	19	65	45	2.20
		TB 12B1-28	28	170.13	178.0	2517	19	65	45	2.33
		TB 12B1-30	30	182.25	190.5	2517	19	65	45	2.62
		TB 12B1-38	38	230.69	239.0	2517	19	65	45	3.93
		TB 12B1-45	45	273.10	282.5	2517	19	65	45	5.39
		TB 12B1-57	57	345.81	355.4	2517	19	65	45	8.40
		TB 12B1-76	76	460.99	469.9	2517	19	65	45	14.58
		TB 12B1-95	95	576.17	585.1	2517	19	65	45	22.60
		TB 12B1-114	114	691.36	700.6	2525	19	65	64	33.06
	Cast Iron Wheels	TB 12B1-45C	45	273.10	282.5	2517	19	65	45	4.70
		TB 12B1-57C	57	345.81	355.4	2517	19	65	45	6.00
		TB 12B1-76C	76	460.99	469.9	2517	19	65	45	8.10
		TB 12B1-95C	95	576.17	585.1	2517	19	65	45	15.60
		TB 12B1-114C	114	691.36	700.6	2517	19	65	64	22.50
12B-2 Duplex Chain Sprockets	Steel Sprockets	TB 12B2-15	15	91.63	99.8	1610	14	42	31	0.67
		TB 12B2-16	16	97.65	105.5	1610	14	42	31	0.85
		TB 12B2-17	17	103.67	111.5	1610	14	42	31	1.06
		TB 12B2-18	18	109.71	118.0	2012	14	50	32	1.02
		TB 12B2-19	19	115.75	124.2	2012	14	50	32	1.25
		TB 12B2-20	20	121.78	129.7	2517	19	65	45	1.44
		TB 12B2-21	21	127.82	136.0	2517	19	65	45	1.70
		TB 12B2-22	22	133.86	141.8	2517	19	65	45	1.97
		TB 12B2-23	23	139.90	149.0	2517	19	65	45	2.30
		TB 12B2-24	24	145.94	153.9	2517	19	65	45	2.56
		TB 12B2-25	25	152.00	160.0	2517	19	65	45	2.88
		TB 12B2-26	26	158.04	165.9	2517	19	65	45	3.20
		TB 12B2-27	27	164.09	172.3	2517	19	65	45	3.56
		TB 12B2-28	28	170.13	178.0	2517	19	65	45	3.90
		TB 12B2-30	30	182.25	190.5	2517	19	65	45	4.68
		TB 12B2-38	38	230.69	239.0	3020	25	75	51	8.16
		TB 12B2-45	45	273.10	282.5	3020	25	75	51	12.11
		TB 12B2-57	57	345.81	355.4	3020	25	75	51	20.36
		TB 12B2-76	76	460.99	469.9	3020	25	75	51	37.41
		TB 12B2-95	95	576.17	585.1	3020	25	75	51	59.52
	Cast Iron Wheels	TB 12B2-45C	45	273.10	282.5	3020	25	75	51	7.60
		TB 12B2-57C	57	345.81	355.4	3020	25	75	51	10.00
		TB 12B2-76C	76	460.99	469.9	3020	25	75	51	14.20
		TB 12B2-95C	95	576.17	585.1	3020	25	75	51	19.00
		TB 12B2-114C	114	691.36	700.6	3030	25	75	76	24.00
12B-3 Triplex Chain Sprockets	Steel Sprockets	TB 12B3-15	15	91.63	99.8	1615	14	42	49.8	1.09
		TB 12B3-17	17	103.67	111.5	2012	14	50	49.8	1.24
		TB 12B3-19	19	115.75	124.2	2012	14	50	49.8	2.00
		TB 12B3-21	21	127.82	136.0	2517	19	65	49.8	2.07
		TB 12B3-23	23	139.90	149.0	2517	19	65	49.8	3.04
		TB 12B3-25	25	152.00	160.0	2517	19	65	49.8	3.99
		TB 12B3-27	27	164.09	172.3	3020	25	75	51	3.86
		TB 12B3-30	30	182.25	190.5	3020	25	75	51	5.68
		TB 12B3-38	38	230.69	239.0	3020	25	75	51	11.54
		TB 12B3-45	45	273.10	282.5	3020	25	75	51	17.99
		TB 12B3-57	57	345.81	355.4	3020	25	75	51	31.48
		TB 12B3-76	76	460.99	469.9	3020	25	75	51	59.38
	Cast Iron Wheels	TB 12B3-45C	45	273.10	282.5	3020	19	65	51	10.30
		TB 12B3-57C	57	345.81	355.4	3020	25	75	51	13.40
		TB 12B3-76C	76	460.99	469.9	3020	25	75	51	19.50
		TB 12B3-95C	95	576.17	585.1	3030	25	75	76	30.00
		TB 12B3-114C	114	691.36	700.6	3030	25	75	76	44.00

All dimensions in mm. For details of Taper Bore Bushes refer to pages 34/35. Steel Taper Bore Sprockets up to 38 teeth are suitable for Induction Hardening of the teeth.

Taper Bore Sprockets for 1” Pitch British Standard Chains Type 16B

Conforming to ISO Std 606



Simplex Sprockets
16B-1 Chain - Tooth Width B1 - 16.2mm

Duplex Sprockets
16B-2 Chain - Tooth Width B2 - 47.7mm

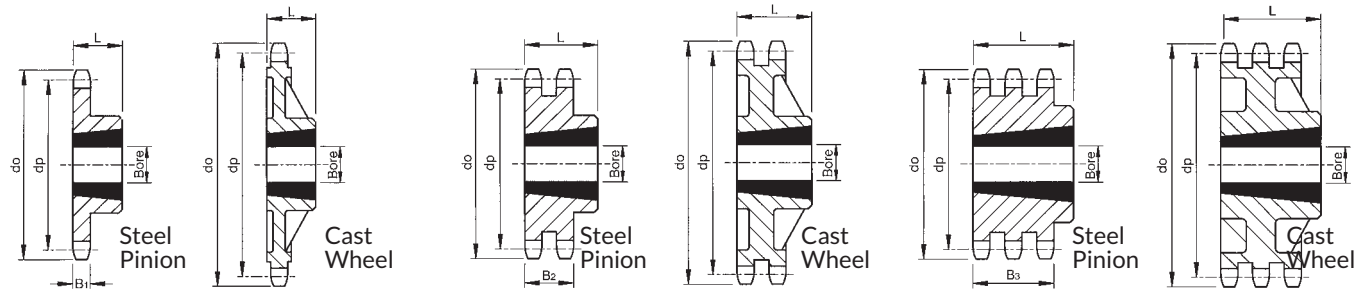
Triplex Sprockets
16B-3 Chain - Tooth Width B3 - 79.6mm

		Cat. No.	No. Teeth	Pitch Circle Ø dp	Outside Ø do	Taper Bore Bush			Length L	Approx. Weight kg
						Bush No.	Min. Bore	Max. Bore		
16B-1 Simplex Chain Sprockets	Steel Sprockets	TB 16B1-13	13	106.12	117.0	1610	14	42	25	0.79
		TB 16B1-14	14	114.15	125.0	1610	14	42	25	0.98
		TB 16B1-15	15	122.17	133.0	1610	14	42	25	1.15
		TB 16B1-16	16	130.20	141.0	2012	14	50	32	1.36
		TB 16B1-17	17	138.22	149.0	2012	14	50	32	1.56
		TB 16B1-18	18	146.28	157.0	2517	19	65	45	2.05
		TB 16B1-19	19	154.33	165.2	2517	19	65	45	2.28
		TB 16B1-20	20	162.38	173.2	2517	19	65	45	2.52
		TB 16B1-21	21	170.43	181.2	2517	19	65	45	2.85
		TB 16B1-22	22	178.48	189.3	2517	19	65	45	3.12
		TB 16B1-23	23	186.53	197.5	2517	19	65	45	3.40
		TB 16B1-24	24	194.59	205.5	2517	19	65	45	3.69
		TB 16B1-25	25	202.66	213.5	2517	19	65	45	3.99
		TB 16B1-26	26	210.72	221.6	2517	19	65	45	4.31
		TB 16B1-27	27	218.79	229.6	2517	19	65	45	4.64
		TB 16B1-28	28	226.85	237.7	2517	19	65	45	4.99
		TB 16B1-30	30	243.00	254.0	3020	25	75	51	6.25
		TB 16B1-38	38	307.59	320.7	3020	25	75	51	9.81
		TB 16B1-45	45	364.13	377.1	3020	25	75	51	13.51
		TB 16B1-57	57	461.08	474.0	3020	25	75	51	21.34
		TB 16B1-76	76	614.65	627.0	3020	25	75	51	37.49
		TB 16B1-95	95	768.22	781.1	3020	25	75	51	58.45
		TB 16B1-114	114	921.81	934.3	3030	25	75	76	85.48
	Cast Iron Wheels	TB 16B1-38C	38	307.59	320.7	3020	25	75	51	8.20
		TB 16B1-45C	45	364.13	377.1	3020	25	75	51	9.10
		TB 16B1-57C	57	461.08	474.0	3020	25	75	51	12.00
		TB 16B1-76C	76	614.65	627.0	3020	25	75	51	23.00
		TB 16B1-95C	95	768.22	781.1	3020	25	75	51	38.00
		TB 16B1-114C	114	921.81	934.3	3030	25	75	76	40.00
16B-2 Duplex Chain Sprockets	Steel Sprockets	TB 16B2-13	13	106.12	117.0	2012	14	50	47.7	1.14
		TB 16B2-15	15	122.17	133.0	2012	14	50	47.7	2.11
		TB 16B2-16	16	130.20	141.0	2517	19	65	47.7	1.91
		TB 16B2-17	17	138.22	149.0	2517	19	65	47.7	2.47
		TB 16B2-18	18	146.28	157.0	2517	19	65	47.7	3.07
		TB 16B2-19	19	154.33	165.2	2517	19	65	47.7	3.72
		TB 16B2-20	20	162.38	173.2	2517	19	65	47.7	4.40
		TB 16B2-21	21	170.43	181.2	3020	25	75	51	4.07
		TB 16B2-22	22	178.48	189.3	3020	25	75	51	4.88
		TB 16B2-23	23	186.53	197.5	3020	25	75	51	5.64
		TB 16B2-24	24	194.59	205.5	3020	25	75	51	6.62
		TB 16B2-25	25	202.66	213.5	3020	25	75	51	7.33
		TB 16B2-26	26	210.72	221.6	3020	25	75	51	8.46
		TB 16B2-27	27	218.79	229.6	3020	25	75	51	9.19
		TB 16B2-28	28	226.85	237.7	3020	25	75	51	10.40
		TB 16B2-30	30	243.00	254.0	3020	25	75	51	12.29
		TB 16B2-38	38	307.59	320.7	3020	25	75	51	22.47
		TB 16B2-45	45	364.13	377.1	3020	25	75	51	33.20
		TB 16B2-57	57	461.08	474.0	3525	32	90	65	56.20
		TB 16B2-76	76	614.65	627.0	3525	32	90	65	103.50
		TB 16B2-95	95	768.22	781.1	3525	32	90	65	166.50
		TB 16B2-114	114	921.81	934.3	4040	40	100	102	246.00
	Cast Iron Wheels	TB 16B2-38C	38	307.59	320.7	3030	25	75	76	13.50
		TB 16B2-45C	45	364.13	377.1	3030	25	75	76	15.00
		TB 16B2-57C	57	461.08	474.0	3535	32	90	89	26.20
		TB 16B2-76C	76	614.65	627.0	3535	32	90	89	40.50
		TB 16B2-95C	95	768.22	781.1	4040	40	100	102	56.00
		TB 16B2-114C	114	921.81	934.3	4040	40	100	102	65.00
16B-3 Triplex Chain Sprockets	Steel Sprockets	TB 16B3-17	17	138.22	149.0	2517	19	65	79.6	4.14
		TB 16B3-19	19	154.33	165.2	3020	25	75	79.6	4.34
		TB 16B3-21	21	170.43	181.2	3030	25	75	79.6	6.51
		TB 16B3-23	23	186.53	197.5	3525	32	90	79.6	6.97
		TB 16B3-25	25	202.66	213.5	3525	32	90	79.6	9.78
		TB 16B3-27	27	218.79	229.6	3525	32	90	79.6	12.86
		TB 16B3-30	30	243.00	254.0	3525	32	90	79.6	17.97
		TB 16B3-38	38	307.59	320.7	3525	32	90	79.6	34.82
		TB 16B3-45	45	364.13	377.1	4030	40	100	79.6	49.96
		TB 16B3-57	57	461.08	474.0	4030	40	100	79.6	87.83
		TB 16B3-76	76	614.65	627.0	4030	40	100	79.6	166.51
		TB 16B3-95	95	768.22	781.1	4030	40	100	79.6	268.75
	Cast Iron Wheels	TB 16B3-38C	38	307.59	320.7	3535	32	90	89	25.00
		TB 16B3-45C	45	364.13	377.1	4040	40	100	102	33.00
		TB 16B3-57C	57	461.08	474.0	4040	40	100	102	47.00
		TB 16B3-76C	76	614.65	627.0	4040	40	100	102	58.00
		TB 16B3-95C	95	768.22	781.1	4040	40	100	102	85.00
		TB 16B3-114C	114	921.81	934.3	4545	55	110	114	90.00

 All dimensions in mm. For details of Taper Bore Bushes refer to pages 34/35. Steel Taper Bore Sprockets up to 38 teeth are suitable for Induction Hardening of the teeth. Sprockets with teeth hardened to 45 Rc can be supplied on a 48 hour lead time.

Taper Bore Sprockets for 1¼" Pitch British Standard Chains Type 20B

Conforming to ISO Std 606



Simplex Sprockets
20B-1 Chain - Tooth Width B1 - 18.5mm

Duplex Sprockets
20B-2 Chain - Tooth Width B2 - 54.6mm

Triplex Sprockets
20B-3 Chain - Tooth Width B3 - 91.0mm

		Cat. No.	No. Teeth	Pitch Circle Ø dp	Outside Ø do	Taper Bore Bush			Length L	Approx. Weight kg
						Bush No.	Min. Bore	Max. Bore		
20B-1 Simplex Chain Sprockets	Steel Sprockets	TB 20B1-13	13	132.65	147.8	2012	14	50	32	1.6
		TB 20B1-14	14	142.68	157.8	2012	14	50	32	1.9
		TB 20B1-15	15	152.72	167.9	2517	19	65	45	2.4
		TB 20B1-16	16	162.75	177.9	2517	19	65	45	2.8
		TB 20B1-17	17	172.78	187.9	2517	19	65	45	3.2
		TB 20B1-18	18	182.85	198.0	2517	19	65	45	3.5
		TB 20B1-19	19	192.91	208.1	2517	19	65	45	4.0
		TB 20B1-20	20	202.98	218.1	2517	19	65	45	4.4
		TB 20B1-21	21	213.04	228.2	2517	19	65	45	4.9
		TB 20B1-22	22	223.10	238.3	2517	19	65	45	5.4
		TB 20B1-23	23	233.17	248.3	2517	19	65	45	5.9
		TB 20B1-24	24	243.24	258.4	2517	19	65	45	6.4
		TB 20B1-25	25	253.33	268.5	2517	19	65	45	7.0
		TB 20B1-27	27	273.49	288.6	3020	25	75	51	9.2
		TB 20B1-30	30	303.75	318.9	3020	25	75	51	11.1
		TB 20B1-38	38	273.40	399.6	3020	25	75	51	18.0
		TB 20B1-45	45	455.17	470.3	3020	25	75	51	24.6
		TB 20B1-57	57	576.36	591.5	3020	25	75	51	38.7
		TB 20B1-76	76	768.32	783.5	3020	25	75	51	67.9
	Cast Iron Wheels	TB 20B1-38C	38	384.49	399.6	3020	25	75	51	12.6
		TB 20B1-45C	45	455.17	470.3	3020	25	75	51	17.0
		TB 20B1-57C	57	576.36	591.5	3020	25	75	51	25.6
		TB 20B1-76C	76	768.32	783.5	3020	25	75	51	39.0
		TB 20B1-95C	95	960.28	975.2	3030	25	75	76	55.0
		TB 20B1-114C	114	1152.26	1167.4	4040	40	100	102	70.0
20B-2 Duplex Chain Sprockets	Steel Sprockets	TB 20B2-15	15	152.72	167.9	2517	19	65	54.6	4.1
		TB 20B2-17	17	172.78	187.9	2517	19	65	54.6	6.1
		TB 20B2-19	19	192.91	208.1	3030	25	75	76	6.9
		TB 20B2-21	21	213.04	228.2	3030	25	75	76	10.7
		TB 20B2-23	23	233.17	248.3	3030	25	75	76	13.6
		TB 20B2-25	25	253.33	268.5	3030	25	75	76	16.7
	Cast Iron Wheels	TB 20B2-38C	38	384.49	399.6	3030	25	75	76	22.0
		TB 20B2-45C	45	455.17	470.3	3030	25	75	76	28.0
		TB 20B2-57C	57	576.36	591.5	3535	32	90	89	37.0
		TB 20B2-76C	76	768.32	783.5	3535	32	90	89	62.0
		TB 20B2-95C	95	960.28	975.2	4040	40	100	102	82.0
		TB 20B2-114C	114	1152.26	1167.4	4545	55	110	114	100.0
20B-3 Triplex Chain	Cast Iron Wheels	TB 20B3-38C	38	384.49	399.6	3535	32	90	89	35.0
		TB 20B3-45C	45	455.17	470.3	4040	40	100	102	42.0
		TB 20B3-57C	57	576.36	591.5	4040	40	100	102	62.0
		TB 20B3-76C	76	768.32	783.5	4040	40	100	102	89.0

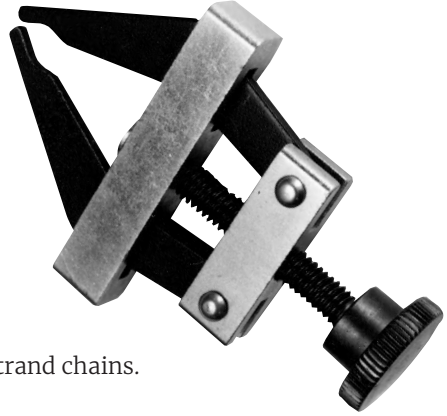
All dimensions in mm. For details of Taper Bore Bushes refer to pages 34/35.

Additional Facilities

Sprockets up to 21 teeth are suitable for Induction Hardening of the teeth to 45 Rc, supplied on 48-hours lead time.

Chain Pullers

This unique tool was designed to make roller chain installation quick and easy both in the field and the workshop.
In use the pullers jaws are opened by releasing the screw, and then hooked into each open end of the chain. The screw is tightened to bring the two ends of the chain almost together with bush centres pitch length apart. The connecting link is then easily fitted to the chain. Three sizes of unit are available as below:-

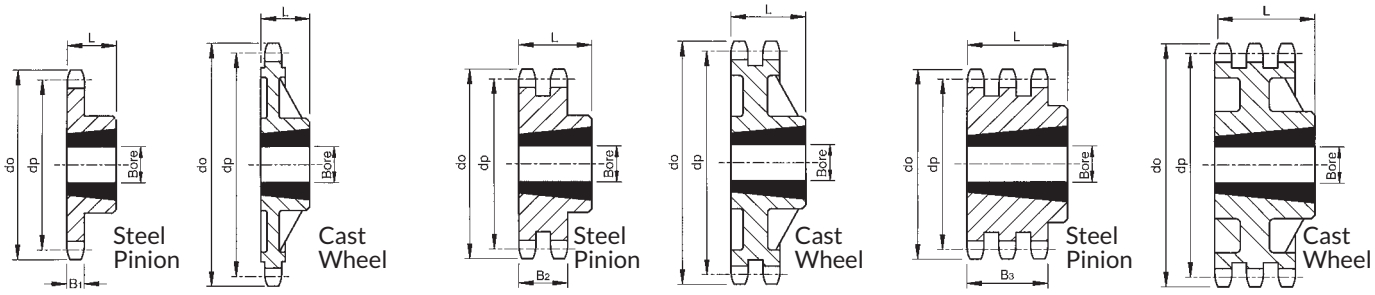


Tool Number	Chain Pitch	Roller Chain Sizes		
		B.S.	ANSI	Ext. Pitch
35	3/8" - 3/4"	06B-12B	35-60	208-212
50	1/2" - 1"	08B-16B	40-80	208-216
80	1" - 2"	16B-32B	80-160	216-224

Although primarily for Simplex chains, these pullers can also be used for multistrand chains.

Taper Bore Sprockets for 1½" Pitch British Standard Chains Type 24B

Conforming to ISO Std 606



Simplex Sprockets
24B-1 Chain - Tooth Width B1 - 24.1mm

Duplex Sprockets
24B-2 Chain - Tooth Width B2 - 72.0mm

Triplex Sprockets
24B-3 Chain - Tooth Width B3 - 120.3mm

		Cat. No.	No. Teeth	Pitch Circle Ø dp	Outside Ø do	Taper Bore Bush			Length L	Approx. Weight kg
						Bush No.	Min. Bore	Max. Bore		
24B-1 Simplex Chain Sprockets	Steel Sprockets	TB 24B1-13	13	159.18	174.2	2517	19	65	45	2.7
		TB 24B1-15	15	183.26	198.2	2517	19	65	45	4.3
		TB 24B1-17	17	207.33	222.3	3020	25	75	51	5.2
		TB 24B1-18	18	219.42	234.3	3020	25	75	51	5.9
		TB 24B1-19	19	231.50	246.5	3020	25	75	51	6.6
		TB 24B1-20	20	243.57	258.6	3020	25	75	51	7.4
		TB 24B1-21	21	255.65	270.6	3020	25	75	51	8.7
		TB 24B1-22	22	267.72	282.7	3020	25	75	51	9.6
		TB 24B1-23	23	279.80	294.8	3020	25	75	51	10.5
		TB 24B1-24	24	291.89	306.8	3020	25	75	51	11.5
		TB 24B1-25	25	304.00	319.0	3020	25	75	51	12.5
		TB 24B1-27	27	328.19	343.2	3020	25	75	51	15.2
		TB 24B1-30	30	364.50	379.5	3020	25	75	51	18.7
	Cast Iron Wheels	TB 24B1-38C	38	461.39	476.2	3030	25	75	76	24.0
		TB 24B1-45C	45	546.19	561.2	3030	25	75	76	33.5
		TB 24B1-57C	57	691.62	706.5	3030	25	75	76	45.0
		TB 24B1-76C	76	921.98	936.9	3030	25	75	76	70.0
24B-2 Duplex Chain Sprockets	Steel Sprockets	TB 24B2-15	15	183.26	198.2	3030	25	75	76	6.5
		TB 24B2-17	17	207.33	222.3	3030	25	75	76	10.2
		TB 24B2-19	19	231.50	246.5	3525	32	90	72	12.0
		TB 24B2-21	21	255.65	270.6	3525	32	90	72	16.7
		TB 24B2-23	23	279.80	294.8	3525	32	90	72	21.9
		TB 24B2-25	25	304.00	319.0	3525	32	90	72	27.6
		TB 24B2-27	27	328.19	343.2	3525	32	90	72	33.8
		TB 24B2-30	30	364.50	379.5	3525	32	90	72	44.2
	Cast Iron Wheels	TB 24B2-38C	38	461.39	476.2	3535	32	90	89	44.0
		TB 24B2-45C	45	546.19	561.2	3535	32	90	89	55.0
		TB 24B2-57C	57	691.62	706.5	3535	32	90	89	72.0
		TB 24B2-76C	76	921.98	936.9	4040	40	100	102	107.0
24B-3 Triplex Chain	Steel Sprockets	TB 24B3-17	17	207.33	222.3	3535	32	90	120.3	13.6
		TB 24B3-19	19	231.50	246.5	4040	40	100	120.3	16.6
		TB 24B3-21	21	255.65	270.6	4545	55	110	120.3	21.0
		TB 24B3-23	23	279.80	294.8	4545	55	110	120.3	29.6
		TB 24B3-25	25	304.00	319.0	4545	55	110	120.3	39.2
		TB 24B3-27	27	328.19	343.2	4545	55	110	120.3	49.5
		TB 24B3-30	30	364.50	379.5	4545	55	110	120.3	66.7
	Cast Iron Wheels	TB 24B3-38C	38	461.39	476.2	4040	40	100	102	66.0
		TB 24B3-45C	45	546.19	561.2	4040	40	100	102	80.0
		TB 24B3-57C	57	691.62	706.5	4040	40	100	102	120.0
		TB 24B3-76C	76	921.98	936.9	4545	55	110	114	179.0

All dimensions in mm. For details of Taper Bore Bushes refer to pages 34/35.
Sprockets up to 21 teeth are suitable for Induction Hardening of the teeth to 45 Rc, supplied on a 48 hour lead time.

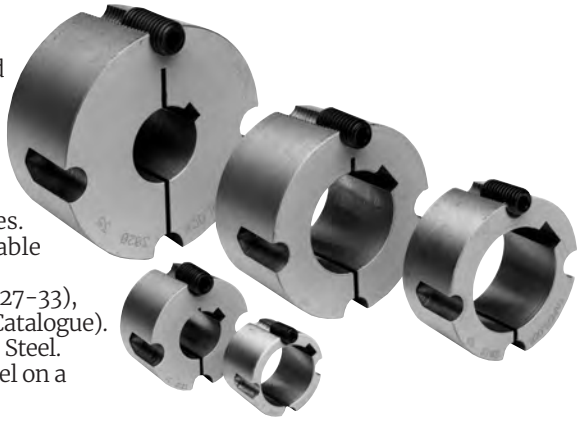
Rivet Extractors

Roller Chain tools reduce time both in the field and in the shop and are a necessity for disconnecting roller chains from bulk length, or for chain repair and alteration purposes. The tool requires virtually no maintenance, all parts being produced from high grade steels, with moving parts hardened for maximum strength and wear resistant qualities. When ordering rivet extractors, always state the extractor number as indicated below.

Tool Number	Chain Pitch	Roller Chain Sizes		
		B.S.	ANSI	Ext. Pitch
36 610 1220	¼" - ¾" ¾" - 1¼" 1½" - 2"	05B-12B 12B-20B 24B-32B	25-60 60-100 120-160	208-212 212-216

For larger pitch chains other tools are available to assist in assembly and disassembly including Chain Vice, and Hook-up tools suitable for both Inverted Tooth and Roller Chains of up to 2½ inch pitch and 12 inch width. Knock-down and Rivet Tools can also be supplied to order, ensuring correct assembly of rivetted endless chains.

Taper Bushes



Taper Bushes provide a low cost, quick, simple method of securing Sprockets, Pulleys, and Couplings to a wide range of standard metric and imperial dimensioned shafts of commercial tolerance and finish, with simple alignment and axial locking.
Tapered surfaces on the bush and mating hub are driven together by high tensile bolts, causing the split bush to firmly contract onto the shaft. The strong clamping force achieved enables transmssion of high torques without the fretting associated with most simple keyseated drives.
Positive jacking-off of the bush, by repositioning the clamping bolts, enable quick disassembly without problems of seizure between hub and shaft.
The stock standard range of bushes are suitable for Taper Bore Sprockets (pp 27-33), Taper Bored Hubs (p 68), and taper bored Timing Pulleys (refer Timing Belt Catalogue).
Stock Standard Bushes are available in high grade Cast Iron and 304 Stainless Steel.
Bushes can be supplied to order in medium carbon Steel and 316 Stainless Steel on a short delivery time.

Cast Iron Taper Bushes

Bush No.	Approx Weight kg	Bush Dimensions mm					Metric Bore Bushes				Imperial Bore Bushes			
		Length	Diameter large end taper bore	Grub Screws No.	Grub Screws Screw Size	Grub Screws Key Size	Bore Sizes Available mm				Keyway mm Width	Keyway mm Depth at Centre	Bore Sizes Available inches			Keyway Inches Width	Keyway Inches Depth at Side
1008	0.11	22.2	35	2	¼" x ½" B.S.W.	3	9 11 14 15 18 19 24	10 12 16 20 22 25			3 4 5 6 8	1.4 1.8 2.3 2.8 1.3**	⅜ ⅝ ⅞	½ ¾ 1	1/8 3/16 ¼	1/16 3/32 ⅛ 1/16*	
1108	0.12	22.2	38	2	¼" x ½" B.S.W.	3	9 11 14 15 18 19 24 28	10 12 16 20 22 25			3 4 5 6 8 8	1.4 1.8 2.3 2.8 3.3 1.3**	⅜ ⅝ ⅞	½ ¾ 1 1⅛	1/8 3/16 ¼ 5/16	1/16 3/32 ⅛ 5/64*	
1210	0.23	25.4	48	2	⅜" x ⅝" B.S.W.	5	11 14 15 16 18 19 20 22 24 25 28 30 32	12			4 5 6 8 10	1.8 2.3 2.8 3.3 3.3	⅝ ⅞ 1⅛	½ ¾ 1 1¼	1/8 3/16 ¼ 5/16	1/16 3/32 ⅛ ⅛	
1215	0.35	38.1															
1610	0.35	25.4	57	2	⅜" x ⅝" B.S.W.	5	12 14 15 16 18 19 20 22 24 25 28 30 32 35 38				4 5 6 8 10	1.8 2.3 2.8 3.3 3.3	⅝ ⅞ 1⅛ 1⅜	½ ¾ 1 1¼ 1½	1/8 3/16 ¼ 5/16 ⅜	1/16 3/32 ⅛ ⅛ ⅛	
1615	0.45	38.1					40 (1615 only)	42 42			12 12	3.3 1.3**		1⅝	7/16	1/8*	
2012	0.68	31.8	70	2	7/16" x ⅞" B.S.W.	6	14 15 16 18 19 20 22 24 25 28 30 32 35 38 40 42 45 48 50				5 6 8 10 12 14	2.3 2.8 3.3 3.3 3.3 3.8	⅞ 1⅛ 1⅜ 1⅝ 1⅞	¾ 1 1¼ 1½ 1¾ 2	3/16 ¼ 5/16 ⅜ 7/16 ½	3/32 ⅛ ⅛ ⅛ 5/32 5/32	
2517	1.5	44.5	86	2	½" x 1" B.S.W.	6	16 18 19 20 22 24 25 28 30 32 35 38 40 42 45 48 50 55				5 6 8 10 12 14 16	2.3 2.8 3.3 3.3 3.3 3.8 4.3	⅞ 1⅛ 1⅜ 1⅝ 1⅞ 2⅛	¾ 1 1¼ 1½ 1¾ 2 2¼	3/16 ¼ 5/16 ⅜ 7/16 ½ ⅝	3/32 ⅛ ⅛ ⅛ 5/32 5/32 7/32	
2525	1.9	63.5					60	65†			18	4.4	2⅜	2½	⅝	3/16*	
3020	2.7	50.8	108	2	⅝" x 1¼" B.S.W.	8	25 28 30 32 35 38 40 42 45 48 50 55 60 65 70 75				8 10 12 14 16 18 20	3.3 3.3 3.3 3.8 4.3 4.4 4.9	1⅛ 1⅜ 1⅝ 1⅞ 2¼ 2⅜ 2⅝ 2¾	1¼ 1½ 1¾ 2 2½ 3	5/16 ⅜ 7/16 ½ ⅝ ¾	1/8 ⅛ 5/32 5/32 7/32 ¼	
3030	3.6	76.2															
3525	4.0	63.5	127	3	½" x 1½" B.S.W.	10	32 35 38 40 42 45 48 50 55 60 65 70 75 80 85 90				10 12 14 16 18 20 22 25	3.3 3.3 3.8 4.3 4.4 4.9 5.4 5.4	1⅛ 1⅜ 1⅝ 1⅞ 2¼ 2⅜ 2⅝ 2¾ 3 3¼	1½ 1¾ 2 2½ 2⅞ 3 3⅜ 3½	⅜ 7/16 ½ ⅝ ¾ ⅞ ⅞	1/8 5/32 5/32 7/32 ¼ ¼ 5/16 ¼*	
3535	5.0	89.1															
4030	6.5	76.2	146	3	⅝" x 1¾" B.S.W.	12	40 42 45 48 50 55 60 65 70 75 80 85 90 95 100				12 14 16 18 20 22 25 28	3.3 3.8 4.3 4.4 4.9 5.4 5.4 6.4	1⅛ 2¼ 2¾ 3¼ 3¾	1¾ 2 2½ 3 3½ 4	7/16 ½ ⅝ ¾ ⅞ 1	5/32 7/32 ¼ 5/16 ¼*	
4040	7.7	101.6															
4535	8.0	89.1	162	3	¾" x 2" B.S.W.	14	55 60 65 70 75 80 85 90 95 100 105 110				16 18 20 22 25 28	4.3 4.4 4.9 5.4 5.4 6.4					
4545	10.0	114.3															

*Shallow keyseat not conforming to B.S. 46 Part 1 **Shallow keyseat not conforming to B.S. 4235 Part 1 †Bore size 65mm has keyway 2.3mm deep on 2525 bush

Taper Bushes

Stainless Steel Taper Bushes

The standard range Taper Bushes are manufactured in 304 stainless steel, but can also be supplied to order in 316 Stainless Steel.

Bush No.	Approx Weight kg	Bush Dimensions mm					Metric Bore Bushes						Imperial Bore Bushes				
		Length	Diameter large end taper bore	Grub Screws			Bore Sizes Available mm				Keyway mm		Bore Sizes Available inches			Keyway Inches	
				No.	Screw Size	Key Size					Width	Depth at Centre				Width	Depth at Side
1008	0.11	22.2	35	2	¼" x ½" B.S.W.	⅛"	9	10			3	1.4	⅜	½		⅛	1/16
								11		12	4	1.8	⅝	¾		3/16	3/32
							14	15	16		5	2.3	⅞			¼	⅛
							18	19	20	22	6	2.8		1		¼	1/16*
								24		25	8	1.3**					
1108	0.12	22.2	38	2	¼" x ½" B.S.W.	⅛"	9	10			3	1.4	⅜	½		⅛	1/16
								11		12	4	1.8	⅝	¾		3/16	3/32
							14	15	16		5	2.3	⅞	1		¼	⅛
							18	19	20	22	6	2.8		1⅛		5/16	5/64*
								24		25	8	3.3					
									28		8	1.3**					
1210	0.23	25.4	48	2	3/8" x 5/8" B.S.W.	3/16"		11		12	4	1.8		½		⅛	1/16
							14	15	16		5	2.3	⅝	¾		3/16	3/32
							18	19	20	22	6	2.8	⅞	1		¼	⅛
							24	25	28	30	8	3.3	1⅛	1¼		5/16	⅛
								32			10	3.3					
1610	0.35	25.4	57	2	3/8" x 5/8" B.S.W.	3/16"		12			4	1.8		½		⅛	1/16
							14	15	16		5	2.3	⅝	¾		3/16	3/32
							18	19	20	22	6	2.8	⅞	1		¼	⅛
							24	25	28	30	8	3.3	1⅛	1¼		5/16	⅛
1615	0.45	38.1					32	35		38	10	3.3	1⅜	1½		⅜	⅛
								40		42	12	3.3		1⅝		7/16	⅛
								(1615 only)		42	12	1.3**					
2012	0.68	31.8	70	2	7/16" x 7/8" B.S.W	7/32"	14	15	16		5	2.3		¾		3/16	3/32
							18	19	20	22	6	2.8	⅞	1		¼	⅛
							24	25	28	30	8	3.3	1⅛	1¼		5/16	⅛
							32	35		38	10	3.3	1⅜	1½		⅜	⅛
								40		42	12	3.3	1⅝	1¾		7/16	5/32
								45	48	50	14	3.8	1⅞	2		½	5/32
2517	1.5	44.5	86	2	½" x 1" B.S.W.	¼"		16			5	2.3		¾		3/16	3/32
							18	19	20	22	6	2.8	⅞	1		¼	⅛
							24	25	28	30	8	3.3	1⅛	1¼		5/16	⅛
							32	35		38	10	3.3	1⅜	1½		⅜	⅛
								40		42	12	3.3	1⅝	1¾		7/16	5/32
								45	48	50	14	3.8	1⅞	2		½	5/32
								55			16	4.3	2⅛	2¼		⅝	7/32
							60		65†		18	4.4	2⅜	2½		⅝	3/16*
3020	2.7	50.8	108	2	⅝" x 1¼" B.S.W.	5/16"		25	28	30	8	3.3	1⅛	1¼		5/16	⅛
							32	35		38	10	3.3	1⅜	1½		⅜	⅛
								40		42	12	3.3	1⅝	1¾		7/16	5/32
								45	48	50	14	3.8	1⅞	2		½	5/32
								55			16	4.3	2¼	2⅜	2½	⅝	7/32
							60		65		18	4.4	2⅝	2¾	3	¾	¼
								70		75	20	4.9					

*Shallow keyseat not conforming to B.S. 46 Part 1 **Shallow keyseat not conforming to B.S. 4235 Part 1

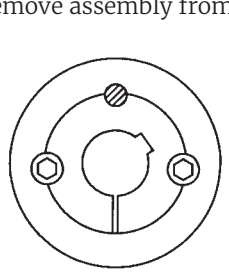
Instructions - Installation and Removal

Installation

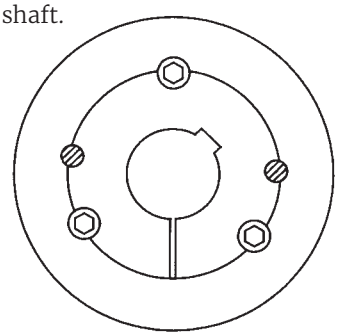
1. Remove protective coating from the bore and outside bush, and bore of hub. After ensuring the mating tapered surfaces are completely clean, insert bush in hub so that holes line up.
2. On Cast Iron Bushes only oil the thread of grub screws, or thread and under the head on caphead screws. Place screws loosely in threaded holes in the hub, shown ◯ in the diagrams.
3. Clean shaft and fit hub and bush to shaft. Locate in position, remembering bush will nip the shaft first and then hub will be drawn on to the bush.
4. Using a hexagon wrench tighten screws gradually and alternately until all are pulled up very tightly. Use a piece of pipe on wrench to increase leverage.
5. When a key is not used, hammer against large end of bush using a block or sleeve to prevent damage. Screws will now turn a little more. Repeat this alternate hammering and screw tightening once or twice. After drive has run under load for a short time, check tightness of screws.
6. If a key is to be fitted, do so after the bush has been tightened on to the shaft, and then fit a parallel key that is side fitting with top clearance.
7. On Cast Iron Bushes only, fill empty holes with grease to exclude dirt.

Removal

1. Slacken all screws by several turns, remove one or two according to number of jacking off holes thus ◍ in diagram. Insert screws in jacking off holes after oiling thread and point of grub screws or thread under head of cap screws.
2. Tighten screws alternately until bush is loosened in hub and assembly is free on the shaft.
3. Remove assembly from shaft.



Bush with 2 Grub Screws
(Sizes 1008-3030)



Bush with 3 Grub Screws
(Sizes 3535 and above)

Installation and Design Recommendations

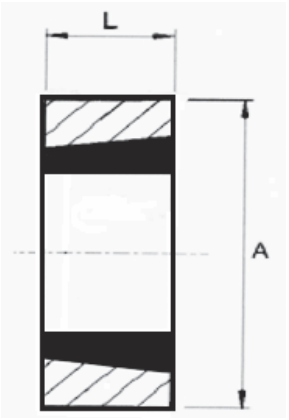
We recommend fitting a key with bushes in rigid and flexible shaft couplings, timing belt pulleys and chain sprockets, and wherever heavy pulsating loads are involved. Keyways are for parallel keys to B.S. 4235 Part 1:1972 for metric shafts, or B.S. 46 part 1:1958 for imperial dimensioned shafts; except those marked * or ** in the tables, which are shallower. Keys should be side fitting with top clearance. Taper Bushes with maximum or minimum bore sizes are generally unsuitable for drives with high shock loads.

Hub Dimensions for Special Taper Bores and Special Sprocket Products

Hub Dimensions on Special Machined Taper Bore Items

In addition to the standard range of Taper Bored sprockets, any pilot bore Sprocket, Hub, Coupling or Timing Belt Pulley, can be machined to accommodate Taper Bushes. The table below provides the dimensions required for the hubs of products in different materials, in order to have sufficient strength to support the specified bush size. Also included to assist in bush selection is an indication of torque values for each bush size, the actual value varying slightly according to bush bore size.

Taper Bush	Maximum Bore mm	Nominal Torque Capacity Nm	Minimum Hub Length L mm	Minimum Hub Diameter A mm for materials with Tensile Strength shown				
				Cast Iron Grade 180 180 N/mm²	Cast Iron Grade 250 250 N/mm²	Steel C30/1030 420 N/mm²	Steel C45/1045 600 N/mm²	Stainless St. SUS 304 515 N/mm²
1008	25	136	22.2	62	54	51	47	49
1108	28	147	22.2	64	57	54	50	52
1210	32	407	25.4	104	86	78	69	74
1610	42	486	25.4	109	92	85	78	82
1615	42	486	38.1	90	81	77	73	75
2012	50	808	31.8	121	106	99	92	96
2517	65	1310	44.5	130	119	113	108	111
3020	75	2710	50.8	160	146	140	132	136
3030	75	2710	76.2	144	136	132	127	130
3525	100	5060	63.5	211	191	178	167	173
3535	90	5060	88.9	191	176	168	160	164
4030	115	8740	76.2	224	207	197	186	192
4040	100	8740	101.4	209	195	188	180	184
4535	125	12400	88.9	223	212	205	198	202
4545	110	12400	114.3	215	205	200	194	197

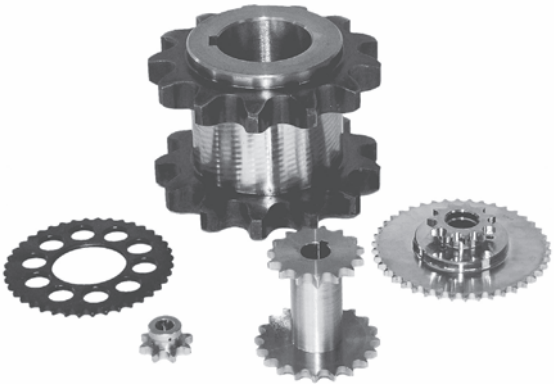


Reworked Standard Sprockets

To enable the quick supply of finished sprockets Cross+Morse established a dedicated production area, with dedicated CNC machines to provide a rapid response rework service to standard sprockets, pulleys and gears. Known as Crossbore® this service provides finish boring, keyseating, and setscrews.
Weld-on Hubs and adaptors enable fast production of large sprockets with less popular tooth sizes, complete with finished bore and keyway, or with bore for taper bushes.
A large range of broaches enable supply of sprockets and other products with splined or square bores.
In-house Induction Hardening of sprocket teeth is available for items up to 450mm diameter, with tooth width up to 60mm.

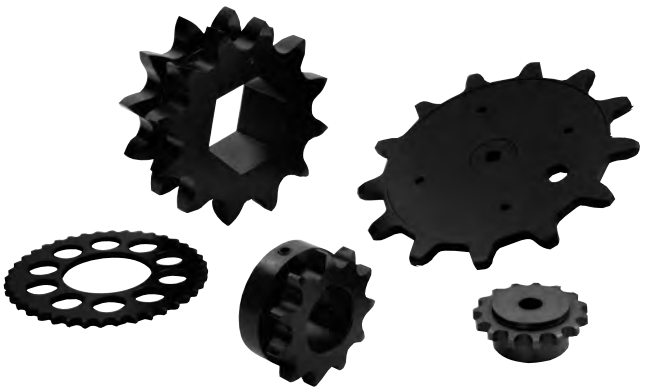
Special Sprocket Products

In addition to the standard range of sprockets covered in the following pages Cross+Morse have a workshop dedicated to the manufacture of custom designed sprockets, platewheels, split wheels, ring-gears, and segments for ¼ inch up to 2½ inch pitch BS and ANSI chains and extended pitch chains, cranked link chain and inverted tooth chains, with outside diameter up to 1.45 metres. We also offer cut tooth only facility on customers fully machined blanks. Manufacturing facilities include broaching, key seating, milling, drilling, grinding, honing and induction hardening, as well as tooth cutting by hobbing, shaving, and planing.
A full technical application and design service ensures best drives are selected for customers applications.



Custom Design Sprockets and Platewheels

Special sprockets and platewheels can be manufactured to customers specifications on short lead times. In addition to conventional designs we can also provide double bossed sprockets, split wheels, ring gears and segments to suit B.S. and ANSI roller, bush and extended pitch chains of simplex or multistrand construction; Inverted Tooth Chains; and many special pitch and conveyor chains from 4mm to 3" pitch.
Complete manufacture is possible from a wide range of materials, with finishes applied as required. Cast Iron wheels and fabricated assemblies can be provided, as well as a 'tooth cut only' service on customer's finished blanks.
Also standard sprockets and platewheels can be customised to suit specific applications by modifying dimensions, reworking the bore, or welding to adaptors etc. Sprockets and platewheels can be supplied combined with other Cross+Morse transmission products such as freewheel clutches and overload protection devices.



Custom design sprockets should conform to the following dimensions:

Sprocket Pitch Circle Diameter = P/sin(180/N)

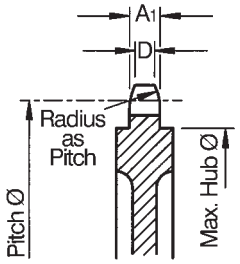
Approx. Outside Diameter = P[0.5 + Cot (180/N)]

Maximum Hub Diameter = P[Cot (180/N) – 1] – 0.8

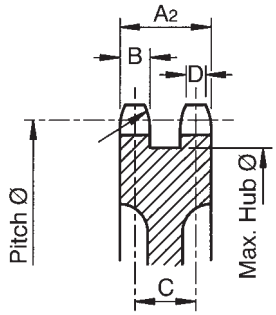
Where: N = No. Sprocket Teeth P = Chain Pitch mm

Roller Chain Sprocket Tooth Data

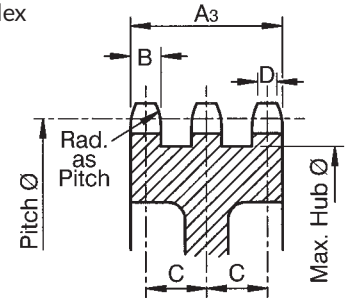
Simplex



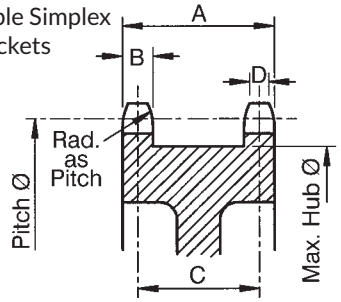
Duplex



Triplex



Double Simplex Sprockets



British Standard Chains

Chain Size	Pitch (in)	A_1 max.	A_2 max.	A_3 max.	B max.	C	D
04B	.236	2.6	-	-	-	-	1.2
05B	.315	2.8	8.3	-	2.7	5.6	1.2
06B	.375	5.3	15.4	25.6	5.2	10.2	3.3
081	.500	3.0	-	-	-	-	0.4
083/084	.500	4.5	-	-	-	-	1.9
08B	.500	7.2	21.0	35.0	7.0	13.9	4.6
10B	.625	9.1	25.6	42.2	9.0	16.6	5.9
12B	.750	11.1	30.3	49.8	10.9	19.5	7.1
16B	1.000	16.1	47.7	79.5	15.8	31.8	11.0
20B	1.250	18.5	54.6	91.1	18.2	36.4	11.5
24B	1.500	24.1	72.0	120.3	23.6	48.4	16.1
28B	1.750	29.4	88.4	148.0	28.8	59.6	19.4
32B	2.000	29.4	87.4	146.0	28.8	58.5	19.4
40B	2.500	36.2	107.7	180.0	35.4	72.3	21.7

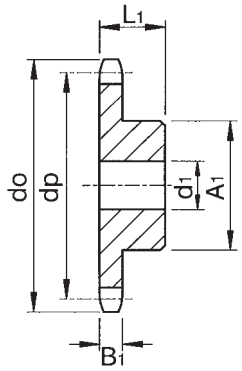
American Standard Chains

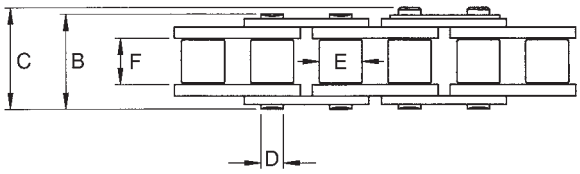
Chain Size	Pitch (in)	A_1 max.	A_2 max.	A_3 max.	B max.	C	D
25	.250	2.9	9.1	15.5	2.8	6.4	1.5
35	.375	4.3	14.2	24.4	4.2	10.1	1.9
40	.500	7.3	21.4	35.7	7.1	14.4	4.2
41	.500	5.9	-	-	-	-	3.1
50	.625	8.9	26.8	44.9	8.7	18.1	5.8
60	.75	11.9	34.4	57.1	11.7	22.7	7.6
80	1.00	14.9	43.9	73.2	14.6	29.3	9.8
100	1.25	17.9	53.3	89.0	17.5	35.8	11.2
120	1.50	23.9	68.8	114.2	23.4	45.4	15.8
140	1.75	23.9	72.2	121.1	23.4	48.9	13.6
160	2.00	29.9	87.8	146.4	29.3	58.5	19.2
200	2.50	35.9	106.7	178.3	35.2	71.5	21.6

British Standard Chains / American Standard Chains

Chain Size	A	B max.	D	Chain Size	A	B max.	D
05B	19.0	2.7	1.2	35	22.0	4.2	1.9
06B	23.5	5.3	3.3	40	34.5	7.1	4.2
08B	31.0	7.2	4.6	50	39.5	8.7	5.8
10B	36.5	9.1	5.9	60	47.5	11.7	7.6
12B	45.0	11.1	7.1	80	60.5	14.6	9.8
16B	63.5	16.1	11.0	100	74.0	17.5	11.2
20B	73.5	18.5	11.5	120	93.0	23.4	15.8
24B	94.0	24.1	16.1	140	97.0	23.4	13.6
32B	113.0	29.4	19.4	160	115.5	29.3	19.2

Standard Sprockets for 6mm Pitch British Standard Chain Type 04B





Simplex Sprockets

Chain No.	04B
Pitch	6.0mm
E Roller Diameter	4.0mm
F Inside Width	2.8mm
B_1 Tooth Width	2.6mm

Chain Specifications

Chain No.	04B-1
Plate Depth	5.00
B Pin Length	7.40
C Overall Width	10.30
D Pin Diameter	1.85
Tensile Strength N	3000
Weight per Metre kg	0.12

No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket					
			Cat. No.	Min.† Bore d_1	Max. Bore	L.T.B. L_1	Hub Ø A_1	App. Weight kg
Steel Pinions								
8	15.68	18.0	04B1-08	5	6.5	10	9.8	0.006
9	17.54	19.9	04B1-09	5	7.5	10	11.5	0.008
10	19.41	21.7	04B1-10	6	8.5	10	13.0	0.010
11	21.29	23.6	04B1-11	6	9.5	10	14.0	0.012
12	23.18	25.4	04B1-12	6	11	10	16.0	0.016
13	25.07	27.3	04B1-13	8	12	10	18.0	0.019
14	26.96	29.2	04B1-14	8	13	10	20.0	0.024
15	28.86	31.1	04B1-15	8	13	10	20.0	0.025
16	30.76	33.0	04B1-16	8	13	13	20.0	0.033
17	32.65	35.0	04B1-17	8	13	13	20.0	0.035
18	34.55	36.9	04B1-18	8	13	13	20.0	0.037
19	36.46	38.8	04B1-19	8	13	13	20.0	0.039
20	38.36	40.7	04B1-20	8	13	13	20.0	0.041
21	40.26	42.6	04B1-21	8	15	13	25.0	0.058
22	42.16	44.5	04B1-22	8	15	13	25.0	0.060
23	44.06	46.4	04B1-23	8	15	13	25.0	0.062
24	45.97	48.3	04B1-24	8	15	13	25.0	0.065
25	47.87	50.2	04B1-25	8	15	13	25.0	0.068
26	49.78	52.1	04B1-26	8	20	15	30.0	0.098
27	51.68	54.0	04B1-27	8	20	15	30.0	0.101
28	53.59	55.9	04B1-28	8	20	15	30.0	0.104
29	55.49	57.8	04B1-29	8	20	15	30.0	0.108
30	57.40	59.8	04B1-30	8	20	15	30.0	0.111
31	59.31	61.7	04B1-31	8	20	15	30.0	0.114
32	61.21	63.6	04B1-32	8	20	15	30.0	0.118
33	63.12	65.5	04B1-33	8	20	15	30.0	0.122
34	65.03	67.4	04B1-34	8	20	15	30.0	0.125
35	66.94	69.3	04B1-35	8	20	15	30.0	0.129
36	68.84	71.2	04B1-36	8	20	15	30.0	0.133
37	70.75	73.1	04B1-37	8	20	15	30.0	0.137
38	72.66	75.0	04B1-38	8	20	15	30.0	0.141
39	74.57	76.9	04B1-39	8	20	15	30.0	0.146
40	76.48	78.9	04B1-40	8	20	15	30.0	0.150
45	86.01	88.5	04B1-45	10	27	18	40.0	0.253
50	95.55	98.0	04B1-50	12	34	20	50.0	0.389
57	108.93	111.4	04B1-57	12	34	20	50.0	0.432
76	145.19	147.6	04B1-76	16	54	34	*80.0	1.511

All dimensions in mm.
† Min. tolerance bore which can be machined in sprocket.
* Sprockets with an asterisk on hub Ø may be of fabricated construction.

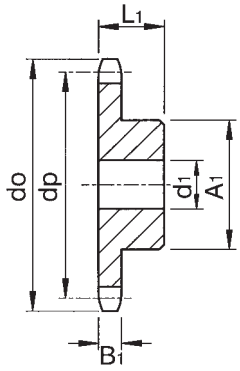
Sprockets up to 57 teeth manf. in min 600N/mm² UTS Steel, above 57 teeth in 410N/mm² UTS Steel.

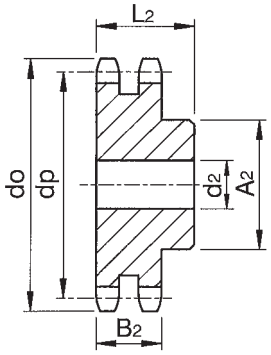
Finished Bored and Keyed Sprockets

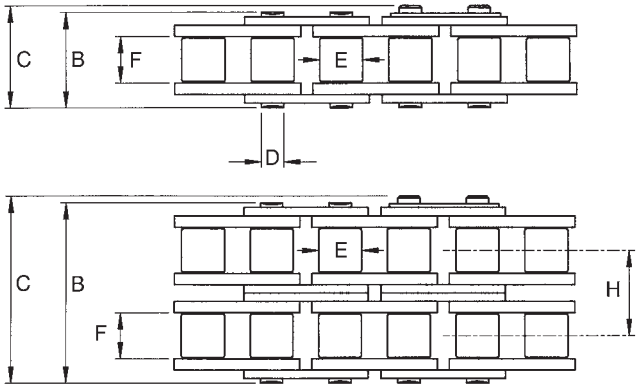
All standard plain bore sprockets can be supplied finish bored, with keyway and setscrews, all to customer specification. Where possible standard bores and keyways should always be used (refer to sizes shown on page 83). For idler applications sprockets can be supplied fitted with phosphor bronze bushes, or sintered bushes, with bores up to the maximum indicated for sprocket bore. All modifications are offered on our 48 hour rework service. Pinions with material to 600 N/mm² can have teeth induction hardened to 45Rc.

Standard Sprockets for 8mm Pitch British Standard Chain Type 05B

Conforming to ISO Std 606







Simplex Sprockets

Chain No. 05B1-1
Pitch 8.0mm
E Roller Diameter 5.0mm
F Inside Width 3.0mm
B_1 Tooth Width 2.8mm

Duplex Sprockets

Chain No. 05B-2
Pitch 8.0mm
E Roller Diameter 5.0mm
F Inside Width 3.0mm
B_2 Tooth Width 8.3mm

Chain Specifications

Chain No.	Simplex 05B-1	Duplex 05B-2
Plate Depth	7.1	7.1
B Pin Length	8.6	14.3
C Overall Width	11.7	17.4
D Pin Diameter	2.31	2.31
Tensile Strength N	4600	7500
Weight per metre kg	0.18	0.36

No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket						Duplex Sprocket					
			Cat. No.	Min.† Bore d_1	Max. Bore	L.T.B. L_1	Hub Ø A_1	App. Weight kg	Cat. No.	Min.† Bore d_2	Max. Bore	L.T.B. L_2	Hub Ø A_2	App. Weight kg
Steel Pinions														
8	20.90	24.0	05B1-08	6	8	12	13	0.013	05B2-08	8	8	18	12	0.015
9	23.39	26.6	05B1-09	6	10	12	15	0.018	05B2-09	8	10	18	15	0.024
10	25.89	29.2	05B1-10	8	11	12	17	0.021	05B2-10	10	11	18	17	0.029
11	28.39	31.7	05B1-11	8	12	13	18	0.027	05B2-11	10	12	18	19	0.039
12	30.91	34.0	05B1-12	8	13	13	20	0.034	05B2-12	10	13	18	21	0.049
13	33.42	36.7	05B1-13	8	14	13	23	0.045	05B2-13	10	15	18	24	0.065
14	35.95	39.2	05B1-14	8	16	13	25	0.053	05B2-14	10	17	18	26	0.079
15	38.48	41.7	05B1-15	8	19	13	28	0.066	05B2-15	10	20	18	29	0.097
16	41.01	44.3	05B1-16	8	20	14	30	0.082	05B2-16	10	21	20	32	0.128
17	43.53	46.8	05B1-17	8	20	14	30	0.086	05B2-17	10	23	20	34	0.147
18	46.07	49.3	05B1-18	8	20	14	30	0.089	05B2-18	10	25	20	37	0.173
19	48.61	51.9	05B1-19	8	20	14	30	0.093	05B2-19	10	26	20	39	0.195
20	51.14	54.4	05B1-20	8	20	14	30	0.097	05B2-20	10	27	20	40	0.212
21	53.68	57.0	05B1-21	8	24	14	35	0.124	05B2-21	10	27	20	40	0.225
22	56.21	59.5	05B1-22	8	24	14	35	0.129	05B2-22	10	27	20	40	0.237
23	58.75	62.0	05B1-23	8	24	14	35	0.134	05B2-23	10	27	20	40	0.251
24	61.29	64.6	05B1-24	8	24	14	35	0.139	05B2-24	10	27	20	40	0.265
25	63.83	67.5	05B1-25	8	24	14	35	0.145	05B2-25	10	27	20	40	0.282
26	66.37	69.5	05B1-26	10	27	16	40	0.190	05B2-26	12	34	22	50	0.384
27	68.91	72.2	05B1-27	10	27	16	40	0.196	05B2-27	12	34	22	50	0.401
28	71.45	74.8	05B1-28	10	27	16	40	0.202	05B2-28	12	34	22	50	0.418
29	73.99	77.3	05B1-29	10	27	16	40	0.208	05B2-29	12	34	22	50	0.435
30	76.54	79.8	05B1-30	10	27	16	40	0.215	05B2-30	12	34	22	50	0.453
31	79.08	82.4	05B1-31	10	27	16	40	0.222	05B2-31	12	40	22	60	0.565
32	81.62	84.9	05B1-32	10	27	16	40	0.228	05B2-32	12	40	22	60	0.585
33	84.16	87.5	05B1-33	10	27	16	40	0.235	05B2-33	12	40	22	60	0.605
34	86.70	90.0	05B1-34	10	27	16	40	0.243	05B2-34	12	40	22	60	0.625
35	89.25	92.5	05B1-35	10	27	16	40	0.250	05B2-35	12	40	22	60	0.647
36	91.79	95.0	05B1-36	10	27	16	40	0.258	05B2-36	12	40	22	60	0.668
37	94.33	97.6	05B1-37	10	27	16	40	0.266	05B2-37	12	40	22	60	0.691
38	96.88	100.2	05B1-38	10	27	16	40	0.274	05B2-38	12	40	22	60	0.715
39	99.42	102.7	05B1-39	10	27	16	40	0.282	05B2-39	12	40	22	60	0.739
40	101.97	105.2	05B1-40	10	27	16	40	0.291	05B2-40	12	40	22	60	0.763
45	114.69	118.0	05B1-45	12	40	20	60	0.581						
48	122.32	125.6	05B1-48	12	42	20	62	0.637						
50	127.41	130.7	05B1-50	12	42	20	*62	0.659						
57	145.22	148.6	05B1-57	14	52	20	*80	1.006						
60	152.86	156.2	05B1-60	16	52	34	*80	1.568						
76	193.59	197.7	05B1-76	20	52	34	*80	1.783						

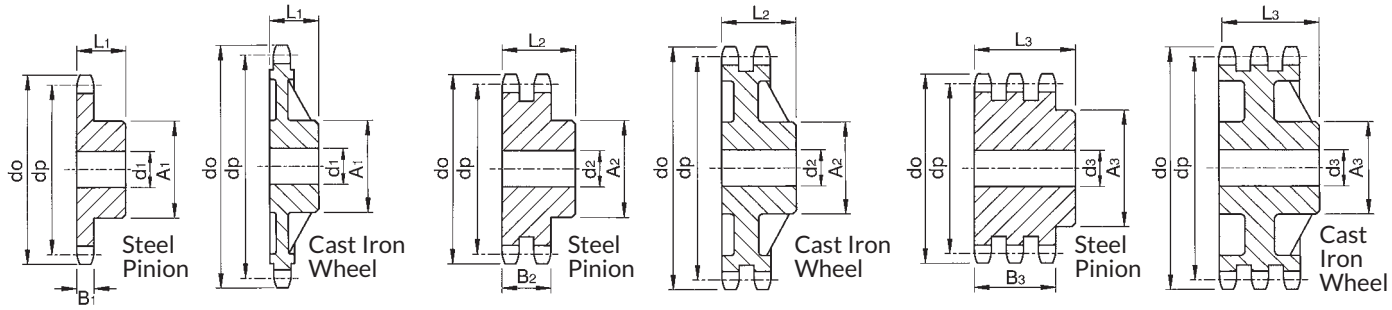
All dimensions in mm. † Min. tolerance bore which can be machined in sprocket. *Sprockets with an asterisk on hub Ø may be of fabricated construction. Material:-Steel Pinions 8 to 45 tooth minimum U.T.S. 600N/mm² - Above 45T - 410N/mm²

Finished Bored and Keyed Sprockets

All standard plain bore sprockets can be supplied finish bored, with keyway and setscrews, all to customer specification. Where possible standard bores and keyways should always be used (refer to sizes shown on page 83). For idler applications sprockets can be supplied fitted with phosphor bronze bushes, or sintered bushes, with bores up to the maximum indicated for sprocket bore. All modifications are offered on our 48 hour rework service. Pinions with material to 600 N/mm² can have teeth induction hardened to 45Rc.

Standard Sprockets for ⅜" Pitch British Standard Chains Type 06B

Conforming to ISO Std 606



Simplex Sprockets
Chain No. 06B-1

Pitch	9.525mm
Roller Dia.	6.35mm
Inside Width	5.72mm
Overall Width	15.0mm
Tooth Width B_1	5.3mm

Duplex Sprockets
Chain No. 06B-2

Pitch	9.525mm
Roller Dia.	6.35mm
Inside Width	5.72mm
Overall Width	25.1mm
Tooth Width B_2	15.4mm

Triplex Sprockets
Chain No. 06B-3

Pitch	9.525mm
Roller Dia.	6.35mm
Inside Width	5.72mm
Overall Width	35.0mm
Tooth Width B_3	25.6mm

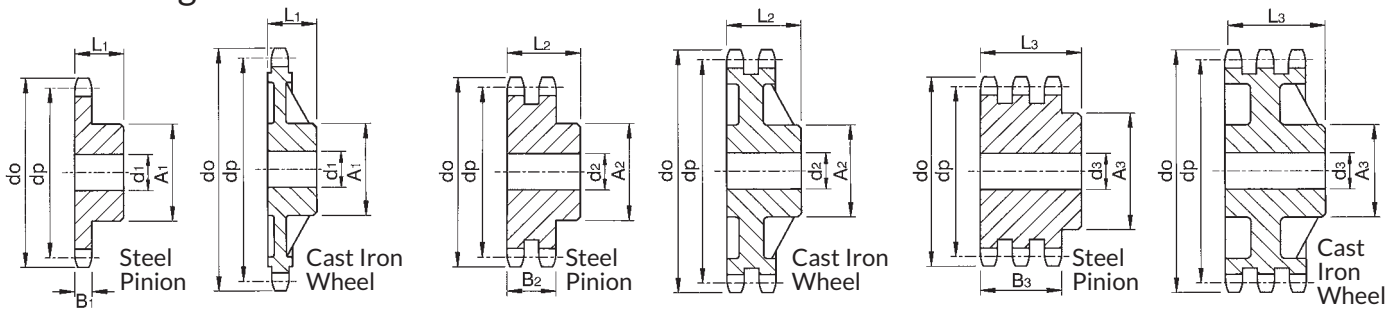
No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket						Duplex Sprocket						Triplex Sprocket					
			Cat. No.	Min.† Bore d_1	Max. Bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg	Cat. No.	Min.† Bore d_2	Max. Bore d_2	L.T.B. L_2	Hub Ø A_2	App. Weight kg	Cat. No.	Min.† Bore d_3	Max. Bore d_3	L.T.B. L_3	Hub Ø A_3	App. Weight kg
Steel Pinions																				
8	24.89	28.0	06B1-08	8	10	22	15	0.03	06B2-08	6	10	22	15	0.03	06B3-08	6	10	32	15	0.05
9	27.85	31.0	06B1-09	8	12	22	18	0.04	06B2-09	8	12	22	18	0.05	06B3-09	8	12	32	18	0.07
10	30.82	34.0	06B1-10	8	13	22	20	0.05	06B2-10	8	13	22	20	0.06	06B3-10	10	13	32	20	0.08
11	33.80	37.0	06B1-11	8	14	25	22	0.08	06B2-11	10	14	25	22	0.08	06B3-11	10	14	35	22	0.12
12	36.80	40.0	06B1-12	8	16	25	25	0.10	06B2-12	10	16	25	25	0.11	06B3-12	10	16	35	25	0.15
13	39.80	43.0	06B1-13	10	19	25	28	0.12	06B2-13	10	19	25	28	0.13	06B3-13	10	19	35	28	0.19
14	42.81	46.3	06B1-14	10	20	25	31	0.15	06B2-14	10	20	25	31	0.17	06B3-14	12	20	35	31	0.23
15	45.81	49.3	06B1-15	10	23	25	34	0.18	06B2-15	10	23	25	34	0.20	06B3-15	12	23	35	34	0.27
16	48.83	52.3	06B1-16	10	25	28	37	0.24	06B2-16	12	25	30	37	0.27	06B3-16	12	25	35	37	0.32
17	51.83	55.3	06B1-17	10	27	28	40	0.28	06B2-17	12	27	30	40	0.31	06B3-17	12	27	35	40	0.38
18	54.85	58.3	06B1-18	10	29	28	43	0.32	06B2-18	12	29	30	43	0.36	06B3-18	12	29	35	43	0.44
19	57.87	61.3	06B1-19	10	30	28	45	0.36	06B2-19	12	31	30	46	0.41	06B3-19	12	31	35	46	0.50
20	60.89	64.3	06B1-20	10	31	28	46	0.38	06B2-20	12	33	30	49	0.47	06B3-20	12	33	35	49	0.56
21	63.91	68.0	06B1-21	12	32	28	48	0.42	06B2-21	12	35	30	52	0.53	06B3-21	14	35	40	52	0.71
22	66.93	71.0	06B1-22	12	34	28	50	0.45	06B2-22	12	37	30	55	0.60	06B3-22	14	37	40	55	0.79
23	69.95	73.5	06B1-23	12	35	28	52	0.49	06B2-23	12	38	30	58	0.66	06B3-23	14	38	40	58	0.88
24	72.97	77.0	06B1-24	12	36	28	54	0.54	06B2-24	12	41	30	61	0.73	06B3-24	14	41	40	61	0.98
25	76.00	80.0	06B1-25	12	38	28	57	0.60	06B2-25	12	43	30	64	0.81	06B3-25	14	43	40	64	1.07
26	79.02	83.0	06B1-26	12	40	28	60	0.66	06B2-26	12	45	30	67	0.88	06B3-26	14	45	40	67	1.18
27	82.05	86.0	06B1-27	12	40	28	60	0.68	06B2-27	12	47	30	70	0.96	06B3-27	14	47	40	70	1.28
28	85.07	89.0	06B1-28	12	40	28	60	0.69	06B2-28	12	49	30	73	1.04	06B3-28	14	49	40	73	1.39
29	88.10	92.0	06B1-29	12	40	28	60	0.71	06B2-29	12	51	30	76	1.13	06B3-29	14	51	40	76	1.51
30	91.13	94.7	06B1-30	12	40	30	60	0.77	06B2-30	12	53	30	79	1.22	06B3-30	14	53	40	79	1.62
31	94.16	98.3	06B1-31	14	43	30	65	0.87	06B2-31	16	54	30	80	1.27	06B3-31	16	54	40	80	1.72
32	97.17	101.3	06B1-32	14	43	30	65	0.89	06B2-32	16	54	30	80	1.32	06B3-32	16	54	40	80	1.80
33	100.20	104.3	06B1-33	14	43	30	65	0.91	06B2-33	16	54	30	80	1.37	06B3-33	16	54	40	80	1.89
34	103.23	107.3	06B1-34	14	43	30	65	0.93	06B2-34	16	54	30	80	1.43	06B3-34	16	57	40	85	2.06
35	106.26	110.4	06B1-35	14	43	30	65	0.95	06B2-35	16	54	30	80	1.49	06B3-35	16	57	40	85	2.15
36	109.29	113.4	06B1-36	16	47	30	70	1.06	06B2-36	16	60	30	90	1.70	06B3-36	16	60	40	90	2.32
37	112.32	116.4	06B1-37	16	47	30	70	1.08	06B2-37	16	60	30	90	1.76	06B3-37	16	60	40	90	2.43
38	115.35	119.5	06B1-38	16	47	30	70	1.11	06B2-38	16	60	30	90	1.82	06B3-38	16	60	40	90	2.53
39	118.38	122.5	06B1-39	16	47	30	70	1.13	06B2-39	16	60	30	90	1.88	06B3-39	16	60	40	90	2.64
40	121.41	125.5	06B1-40	16	47	30	70	1.15	06B2-40	16	60	30	90	1.95	06B3-40	16	60	40	90	2.75
42	127.46	131.6	06B1-42	16	53	35	*78	1.56	06B2-42	20	59	50	*88	2.94						
45	136.55	140.7	06B1-45	16	53	35	*78	1.63	06B2-45	20	59	50	*88	3.16	06B3-45	20	59	60	*88	4.18
46	139.58	143.7	06B1-46	16	53	35	*78	1.66												
48	145.64	149.7	06B1-48	16	53	35	*78	1.72	06B2-48	20	59	50	*88	3.39	06B3-48	20	59	60	*88	4.57
50	151.70	155.7	06B1-50	20	53	35	*78	1.74	06B2-50	20	59	50	*88	3.56	06B3-50	20	59	60	*88	4.84
55	166.85	170.8	06B1-55	20	53	35	*78	1.89												
57	172.91	176.9	06B1-57	20	53	35	*78	1.96	06B2-57	20	59	50	*88	4.19	06B3-57	25	59	60	*88	5.81
60	182.00	186.0	06B1-60	20	53	35	*78	2.06	06B2-60	20	59	50	*88	4.49	06B3-60	25	59	60	*88	6.31
76	230.49	234.9	06B1-76	20	53	35	*78	2.71	06B2-76	25	59	50	*88	6.30	06B3-76	25	59	60	*88	9.42
95	288.08	292.5	06B1-95	25	59	40	*88	4.15	06B2-95	25	72	50	*108	9.94	06B3-95	25	80	60	*120	15.47
Cast Iron Wheels																				
38	115.35	119.5	06B1-38C	19	42	32	70	1.40	06B2-38C	19	48	40	80	1.80	06B3-38C	23	54	56	90	2.80
45	136.55	140.7	06B1-45C	19	42	32	70	1.60	06B2-45C	19	48	40	80	2.10	06B3-45C	23	54	56	90	3.20
57	172.91	176.9	06B1-57C	19	42	32	70	1.60	06B2-57C	19	48	40	80	2.50	06B3-57C	23	54	56	90	3.60
76	230.49	234.9	06B1-76C	19	42	32	70	2.10	06B2-76C	19	48	40	80	3.10	06B3-76C	23	60	56	100	4.00
95	288.08	292.5	06B1-95C	19	48	40	80	3.50	06B2-95C	19	54	45	90	4.60	06B3-95C	23	60	56	100	6.50
114	345.68	349.6	06B1-114	19	48	40	80	4.20	06B2-114	19	54	45	95	5.30	06B3-114	23	60	56	100	8.00
150	454.82	459.2	06B1-150	23	54	45	90	9.00	06B2-150	23	60	50	100	10.50	06B3-150	23	75	60	125	14.00

Pinions 8 to 40 teeth in Steel with min. U.T.S. 600N/mm², which can be supplied with induction hardened teeth to 45Rc. Pinions above 40 teeth are in Steel with min 410N/mm²
All Standard Stock Sprockets can be reworked to customers required bore, keyway, and setscrew requirements, on a 48 hour service.

All dimensions in mm.
† Min. toleranced bore which can be machined in sprocket.
* Sprockets with an asterisk on the hub diameter may be fabricated construction.

Standard Sprockets for ½" Pitch British Standard Chains Type 08B

Conforming to ISO Std 606



Simplex Sprockets
Chain No. 08B-1

Pitch	12.7mm
Roller Dia.	8.51mm
Inside Width	7.75mm
Overall Width	18.3mm
Tooth Width B_1	7.2mm

Duplex Sprockets
Chain No. 08B-2

Pitch	12.7mm
Roller Dia.	8.51mm
Inside Width	7.75mm
Overall Width	32.1mm
Tooth Width B_2	21.0mm

Triplex Sprockets
Chain No. 08B-3

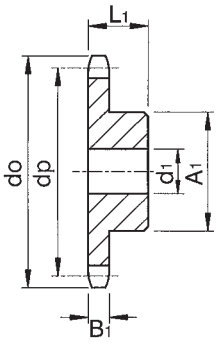
Pitch	12.7mm
Roller Dia.	8.51mm
Inside Width	7.75mm
Overall Width	46.1mm
Tooth Width B_3	34.9mm

No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket						Duplex Sprocket						Triplex Sprocket					
			Cat. No.	Min.† Bore d_1	Max. Bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg	Cat. No.	Min.† Bore d_2	Max. Bore d_2	L.T.B. L_2	Hub Ø A_2	App. Weight kg	Cat. No.	Min.† Bore d_3	Max. Bore d_3	L.T.B. L_3	Hub Ø A_3	App. Weight kg
Steel Pinions																				
8	33.19	37.2	08B1-08	10	13	25	20	0.06	08B2-08	10	13	32	20	0.08	08B3-08	10	13	46	20	0.11
9	37.13	41.0	08B1-09	10	15	25	24	0.09	08B2-09	10	15	32	24	0.12	08B3-09	12	15	46	24	0.15
10	41.10	45.2	08B1-10	10	17	25	26	0.11	08B2-10	10	19	32	28	0.16	08B3-10	12	19	46	28	0.22
11	45.08	48.7	08B1-11	10	20	25	29	0.14	08B2-11	12	21	35	32	0.22	08B3-11	14	21	50	32	0.29
12	49.07	53.0	08B1-12	10	22	28	33	0.20	08B2-12	12	24	35	35	0.28	08B3-12	14	24	50	35	0.38
13	53.07	57.4	08B1-13	10	25	28	37	0.25	08B2-13	12	26	35	38	0.34	08B3-13	14	26	50	38	0.48
14	57.07	61.8	08B1-14	10	27	28	41	0.31	08B2-14	12	28	35	42	0.42	08B3-14	14	28	50	42	0.59
15	61.08	65.5	08B1-15	10	30	28	45	0.38	08B2-15	12	31	35	46	0.50	08B3-15	14	31	50	46	0.71
16	65.10	69.5	08B1-16	12	34	28	50	0.45	08B2-16	14	34	35	50	0.58	08B3-16	16	34	50	50	0.82
17	69.12	73.6	08B1-17	12	35	28	52	0.50	08B2-17	14	36	35	54	0.68	08B3-17	16	36	50	54	0.96
18	73.14	77.8	08B1-18	12	37	28	56	0.58	08B2-18	14	38	35	58	0.78	08B3-18	16	38	50	58	1.11
19	77.16	81.7	08B1-19	12	40	28	60	0.66	08B2-19	14	41	35	62	0.89	08B3-19	16	41	50	62	1.26
20	81.18	85.8	08B1-20	12	43	28	64	0.75	08B2-20	14	44	35	66	1.01	08B3-20	16	44	50	66	1.43
21	85.21	89.7	08B1-21	12	45	28	68	0.84	08B2-21	16	46	40	70	1.26	08B3-21	20	46	55	70	1.70
22	89.24	93.8	08B1-22	12	46	28	70	0.91	08B2-22	16	46	40	70	1.35	08B3-22	20	46	55	70	1.84
23	93.27	98.2	08B1-23	14	46	28	70	0.93	08B2-23	16	46	40	70	1.44	08B3-23	20	46	55	70	2.00
24	97.30	101.8	08B1-24	14	46	28	70	0.96	08B2-24	16	50	40	75	1.61	08B3-24	20	50	55	75	2.23
25	101.33	105.8	08B1-25	14	46	28	70	0.99	08B2-25	16	54	40	80	1.79	08B3-25	20	54	55	80	2.48
26	105.36	110.0	08B1-26	16	46	30	70	1.08	08B2-26	20	57	40	85	1.96	08B3-26	20	57	55	85	2.75
27	109.40	114.0	08B1-27	16	46	30	70	1.11	08B2-27	20	57	40	85	2.06	08B3-27	20	57	55	85	2.92
28	113.43	118.0	08B1-28	16	46	30	70	1.15	08B2-28	20	60	40	90	2.27	08B3-28	20	60	55	90	3.20
29	117.46	122.0	08B1-29	16	54	30	80	1.40	08B2-29	20	63	40	95	2.49	08B3-29	20	63	55	95	3.50
30	121.50	126.1	08B1-30	16	54	30	80	1.44	08B2-30	20	67	40	100	2.72	08B3-30	20	67	55	100	3.82
31	125.53	130.2	08B1-31	16	60	30	90	1.72	08B2-31	20	67	40	100	2.84	08B3-31	20	74	55	110	4.27
32	129.57	134.3	08B1-32	16	60	30	90	1.77	08B2-32	20	67	40	100	2.97	08B3-32	20	74	55	110	4.48
33	133.61	138.4	08B1-33	16	60	30	90	1.81	08B2-33	20	67	40	100	3.11	08B3-33	20	74	55	110	4.70
34	137.64	142.6	08B1-34	16	60	30	90	1.86	08B2-34	20	67	40	100	3.24	08B3-34	20	74	55	110	4.93
35	141.68	146.7	08B1-35	16	60	30	90	1.91	08B2-35	20	67	40	100	3.39	08B3-35	20	74	55	110	5.17
36	145.72	151.0	08B1-36	16	60	35	90	2.21	08B2-36	20	74	40	110	3.78	08B3-36	25	80	55	120	5.61
37	149.75	154.6	08B1-37	16	60	35	90	2.25	08B2-37	20	74	40	110	3.91	08B3-37	25	80	55	120	5.84
38	153.79	158.6	08B1-38	16	60	35	90	2.30	08B2-38	20	74	40	110	4.07	08B3-38	25	80	55	120	6.09
39	157.83	162.7	08B1-39	16	60	35	90	2.36	08B2-39	20	74	40	110	4.22	08B3-39	25	80	55	120	6.36
40	161.87	166.8	08B1-40	16	60	35	90	2.41	08B2-40	20	74	40	110	4.39	08B3-40	25	80	55	120	6.63
42	169.94	175.4	08B1-42	20	59	42	*88	2.76	08B2-42	20	72	55	*108	5.73						
45	182.06	188.0	08B1-45	20	59	42	*88	2.95	08B2-45	20	72	55	*108	6.28	08B3-45	25	80	68	*120	9.2
46	186.10	192.1	08B1-46	20	59	42	*88	3.02	08B2-46	20	72	55	*108	6.47						
48	194.18	200.3	08B1-48	20	59	42	*88	3.15	08B2-48	20	72	55	*108	6.87						
50	202.26	208.3	08B1-50	20	59	42	*88	3.29	08B2-50	20	72	55	*108	7.27	08B3-50	25	80	68	*120	10.9
55	222.46	228.1	08B1-55	20	59	42	*88	3.66												
57	230.54	236.4	08B1-57	20	59	42	*88	3.82	08B2-57	25	72	55	*108	8.8	08B3-57	25	80	68	*120	13.4
60	242.66	248.6	08B1-60	20	59	42	*88	4.07	08B2-60	25	72	55	*108	9.6	08B3-60	25	80	68	*120	14.7
76	307.32	313.3	08B1-76	25	59	42	*88	5.56	08B2-76	25	72	55	*108	14.0	08B3-76	25	80	68	*120	22.2
95	384.11	390.1	08B1-95	25	72	42	*108	8.73	08B2-95	25	80	55	*120	21.5	08B3-95	25	80	68	*136	33.6
Cast Iron Wheels																				
38	153.79	158.6	08B1-38C	19	42	40	70	1.8	08B2-38C	23	54	50	90	3.1	08B3-38C	23	60	60	100	4.8
45	182.06	188.0	08B1-45C	19	42	40	70	2.0	08B2-45C	23	54	50	90	3.8	08B3-45C	23	60	60	100	5.5
57	230.54	236.4	08B1-57C	19	42	40	70	2.4	08B2-57C	23	54	50	90	4.4	08B3-57C	23	60	60	100	6.7
76	307.32	313.3	08B1-76C	23	48	40	80	4.1	08B2-76C	23	60	56	100	6.4	08B3-76C	23	60	60	100	8.2
95	384.11	390.1	08B1-95C	23	48	45	80	5.4	08B2-95C	23	60	56	100	8.8	08B3-95C	23	72	67	120	12.8
114	460.91	466.9	08B1-114	23	54	45	80	7.1	08B2-114	23	60	63	100	10.8	08B3-114	23	72	67	120	16.5

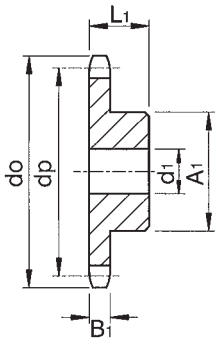
Pinions 8 to 40 teeth in Steel with min. U.T.S. 600N/mm², which can be supplied with induction hardened teeth to 45Rc.
Pinions above 40 teeth are in Steel with min 410N/mm²
All Standard Stock Sprockets can be reworked to customers required bore, keyway, and setscrew requirements, on a 48 hour service.

All dimensions in mm.
† Min. toleranced bore which can be machined in sprocket.
* Sprockets with an asterisk on the hub diameter may be fabricated construction.

Standard Sprockets for ½" Pitch Narrow Series Roller Chains



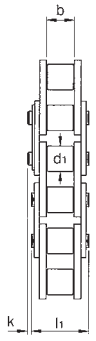
Chain No. 081
Pitch 12.7mm
Roller Dia. 7.75mm
Inside Width 3.3mm
Tooth Width B 3.0mm



Chain No. 083
Pitch 12.7mm
Roller Dia. 7.75mm
Inside Width 4.88mm
Tooth Width B 4.5mm

No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket for 081 Chain						Sprockets for 083 Chain					
			Cat. No.	Min.† Bore d_1	Max. Bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg	Cat. No.	Min.† Bore d_1	Max. Bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg
Steel Pinions														
8	33.18	37.2	081-08	8	13	14	21	.04	083-08	8	13	14	21	.04
9	37.13	41.5	081-09	8	16	14	25	.06	083-09	8	16	14	25	.06
10	41.10	46.2	081-10	8	19	14	28	.08	083-10	8	19	14	28	.08
11	45.07	49.6	081-11	8	20	16	31	.10	083-11	8	20	16	31	.11
12	49.07	53.9	081-12	8	24	16	35	.13	083-12	8	24	16	35	.14
13	53.06	58.4	081-13	8	26	16	39	.16	083-13	8	26	16	39	.17
14	57.07	62.8	081-14	8	29	16	43	.19	083-14	8	29	16	43	.20
15	61.09	66.8	081-15	8	31	16	47	.23	083-15	8	31	16	47	.24
16	65.10	70.9	081-16	10	34	18	50	.29	083-16	10	34	18	50	.30
17	69.11	74.9	081-17	10	34	18	50	.31	083-17	10	34	18	50	.32
18	73.14	78.9	081-18	10	34	18	50	.32	083-18	10	34	18	50	.33
19	77.16	82.9	081-19	10	34	18	50	.34	083-19	10	34	18	50	.34
20	81.19	86.9	081-20	10	34	18	50	.35	083-20	10	34	18	50	.36
21	85.22	91.0	081-21	12	40	20	60	.49	083-21	12	40	20	60	.51
22	89.24	95.0	081-22	12	40	20	60	.51	083-22	12	40	20	60	.53
23	93.27	99.0	081-23	12	40	20	60	.53	083-23	12	40	20	60	.55
24	97.29	103.0	081-24	12	40	20	60	.55	083-24	12	40	20	60	.57
25	101.33	107.1	081-25	12	40	20	60	.57	083-25	12	40	20	60	.59
26	105.36	111.2	081-26	16	46	20	70	.68	083-26	16	46	20	70	.72
27	109.40	115.4	081-27	16	46	20	70	.70	083-27	16	46	20	70	.74
28	113.42	119.4	081-28	16	46	20	70	.72	083-28	16	46	20	70	.77
29	117.46	123.4	081-29	16	46	20	70	.74	083-29	16	46	20	70	.79
30	121.50	127.5	081-30	16	46	20	70	.75	083-30	16	46	20	70	.82
31	125.54	131.5	081-31	16	46	20	70	.77	083-31	16	46	20	70	.84
32	129.56	135.5	081-32	16	46	20	70	.78	083-32	16	46	20	70	.87
33	133.60	139.6	081-33	16	46	20	70	.80	083-33	16	46	20	70	.90
34	137.64	143.6	081-34	16	46	20	70	.82	083-34	16	46	20	70	.93
35	141.68	147.6	081-35	16	46	20	70	.85	083-35	16	46	20	70	.96
36	145.72	151.7	081-36	16	46	25	70	1.00	083-36	16	46	25	70	1.13
37	149.76	155.7	081-37	16	46	25	70	1.02	083-37	16	46	25	70	1.16
38	153.80	159.8	081-38	16	46	25	70	1.05	083-38	16	46	25	70	1.20
39	157.83	163.8	081-39	16	46	25	70	1.08	083-39	16	46	25	70	1.23
40	161.87	167.8	081-40	16	46	25	70	1.10	083-40	16	46	25	70	1.26

All dimensions in mm. Material:-Steel Pinions 8 to 40 tooth minimum U.T.S. 600N/mm² - Above 40T - 410N/mm²
Stock Sprockets can be reworked to customers bore and keyway requirements.
†Min. tolerance bore which can be machined in sprocket.
Steel pinions 8 to 40 tooth can be supplied with teeth induction hardened to 45Rc.

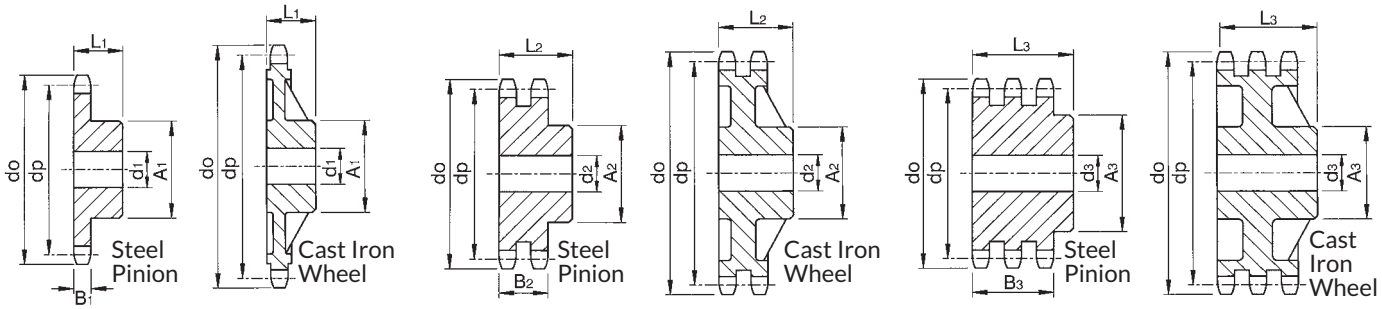


Chains for Sprocket Types 081 and 083

Sprocket Ref.	Chain Ref.	Pin Length l_1	Overall Width C	Pin Diameter d_2	Roller Diameter d_1	Inside Width b	Ultimate Strength N	Weight per Metre kg
081	081	10.2	11.7	3.60	7.75	3.30	8,200	0.28
083	083	12.9	14.4	4.09	7.75	4.88	12,000	0.42
	084	14.5	16.3	4.09	7.75	4.88	16,000	0.59
	08N	10.9	13.7	3.60	7.75	4.88	8,200	0.33

Standard Sprockets for ⅝" Pitch British Standard Chains Type 10B

Conforming to ISO Std 606



Simplex Sprockets
Chain No. 10B-1

Pitch	15.875mm
Roller Dia.	10.16mm
Inside Width	9.52mm
Overall Width	20.8mm
Tooth Width B_1	9.1mm

Duplex Sprockets
Chain No. 10B-2

Pitch	15.875mm
Roller Dia.	10.16mm
Inside Width	9.52mm
Overall Width	37.6mm
Tooth Width B_2	25.5mm

Triplex Sprockets
Chain No. 10B-3

Pitch	15.875mm
Roller Dia.	10.16mm
Inside Width	9.52mm
Overall Width	54.1mm
Tooth Width B_3	42.1mm

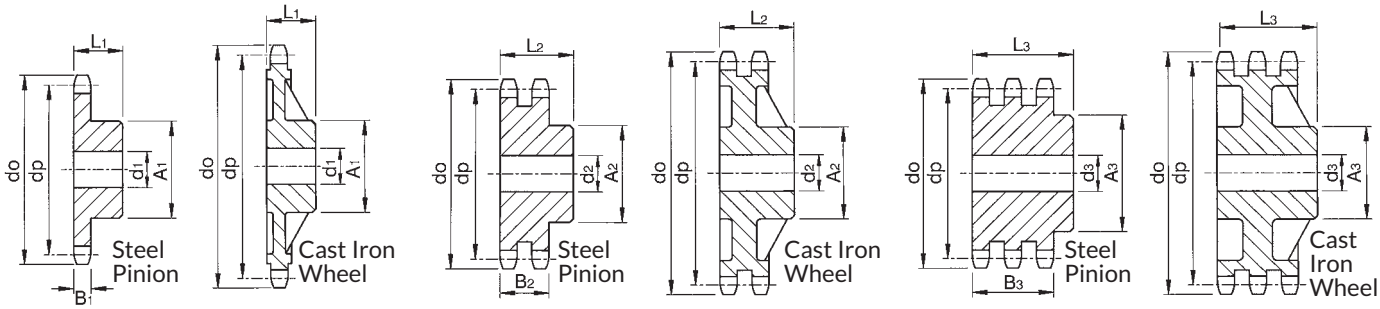
No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket						Duplex Sprocket						Triplex Sprocket					
			Cat. No.	Min.† Bore d_1	Max. Bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg	Cat. No.	Min.† Bore d_2	Max. Bore d_2	L.T.B. L_2	Hub Ø A_2	App. Weight kg	Cat. No.	Min.† Bore d_3	Max. Bore d_3	L.T.B. L_3	Hub Ø A_3	App. Weight kg
Steel Pinions																				
8	41.48	47.0	10B1-08	10	16	25	25	0.11	10B2-08	12	16	40	25	0.18	10B3-08	12	16	55	25	0.25
9	46.42	52.6	10B1-09	10	20	25	30	0.17	10B2-09	12	20	40	30	0.26	10B3-09	12	20	55	30	0.36
10	51.37	57.5	10B1-10	10	24	25	35	0.22	10B2-10	12	24	40	35	0.35	10B3-10	16	24	55	35	0.45
11	56.35	63.0	10B1-11	12	25	30	37	0.30	10B2-11	14	25	40	39	0.44	10B3-11	16	25	55	39	0.60
12	61.34	68.0	10B1-12	12	28	30	42	0.38	10B2-12	14	29	40	44	0.56	10B3-12	16	29	55	44	0.76
13	66.33	73.0	10B1-13	12	31	30	47	0.47	10B2-13	14	33	40	49	0.68	10B3-13	16	33	55	49	0.93
14	71.34	78.0	10B1-14	12	35	30	52	0.57	10B2-14	14	36	40	54	0.82	10B3-14	16	36	55	54	1.13
15	76.35	83.0	10B1-15	12	38	30	57	0.67	10B2-15	14	39	40	59	0.98	10B3-15	16	39	55	59	1.34
16	81.37	88.0	10B1-16	12	40	30	60	0.76	10B2-16	16	43	45	64	1.24	10B3-16	16	43	60	64	1.68
17	86.39	93.0	10B1-17	12	40	30	60	0.80	10B2-17	16	46	45	69	1.44	10B3-17	16	46	60	69	1.95
18	91.42	98.3	10B1-18	14	46	30	70	1.01	10B2-18	16	49	45	74	1.66	10B3-18	16	49	60	74	2.24
19	96.45	103.3	10B1-19	14	46	30	70	1.06	10B2-19	16	53	45	79	1.88	10B3-19	16	53	60	79	2.55
20	101.48	108.4	10B1-20	14	50	30	75	1.21	10B2-20	16	56	45	84	2.13	10B3-20	16	56	60	84	2.87
21	106.51	113.4	10B1-21	16	50	30	75	1.25	10B2-21	16	57	45	85	2.30	10B3-21	20	57	60	85	3.08
22	111.55	118.0	10B1-22	16	54	30	80	1.41	10B2-22	16	60	45	90	2.55	10B3-22	20	60	60	90	3.42
23	116.59	123.4	10B1-23	16	54	30	80	1.47	10B2-23	16	63	45	95	2.84	10B3-23	20	63	60	95	3.81
24	121.62	128.3	10B1-24	16	54	30	80	1.53	10B2-24	16	67	45	100	3.13	10B3-24	20	67	60	100	4.20
25	126.66	134.0	10B1-25	16	54	30	80	1.61	10B2-25	16	70	45	105	3.45	10B3-25	20	70	60	105	4.64
26	131.70	139.0	10B1-26	20	57	35	85	1.97	10B2-26	20	74	45	110	3.73	10B3-26	20	74	60	110	5.07
27	136.75	144.0	10B1-27	20	57	35	85	2.04	10B2-27	20	74	45	110	3.93	10B3-27	20	74	60	110	5.40
28	141.79	148.7	10B1-28	20	60	35	90	2.25	10B2-28	20	77	45	115	4.26	10B3-28	20	77	60	115	5.85
29	146.83	153.8	10B1-29	20	60	35	90	2.33	10B2-29	20	77	45	115	4.48	10B3-29	20	77	60	115	6.21
30	151.87	158.8	10B1-30	20	60	35	90	2.41	10B2-30	20	80	45	120	4.84	10B3-30	20	80	60	120	6.70
31	156.92	163.9	10B1-31	20	63	35	95	2.65	10B2-31	20	80	45	120	5.08	10B3-31	20	80	60	120	7.09
32	161.96	168.9	10B1-32	20	63	35	95	2.73	10B2-32	20	80	45	120	5.32	10B3-32	20	80	60	120	7.48
33	167.01	174.5	10B1-33	20	63	35	95	2.83	10B2-33	20	80	45	120	5.59	10B3-33	20	80	60	120	7.92
34	172.05	179.0	10B1-34	20	63	35	95	2.92	10B2-34	20	80	45	120	5.83	10B3-34	20	80	60	120	8.31
35	177.10	184.1	10B1-35	20	63	35	95	3.01	10B2-35	20	80	45	120	6.10	10B3-35	20	80	60	120	8.75
36	182.15	189.1	10B1-36	20	67	35	100	3.27	10B2-36	20	80	45	120	6.37	10B3-36	25	80	60	120	9.12
37	187.19	194.2	10B1-37	20	67	35	100	3.37	10B2-37	20	80	45	120	6.65	10B3-37	25	80	60	120	9.58
38	192.24	199.2	10B1-38	20	67	35	100	3.47	10B2-38	20	80	45	120	6.94	10B3-38	25	80	60	120	10.1
39	197.29	204.2	10B1-39	20	67	35	100	3.58	10B2-39	20	80	45	120	7.24	10B3-39	25	80	60	120	10.5
40	202.33	209.3	10B1-40	20	67	35	100	3.69	10B2-40	20	80	45	120	7.55	10B3-40	25	80	60	120	11.0
42	212.43	219.9	10B1-42	20	72	43	108*	4.75	10B2-42	25	80	59	120*	9.34						
45	227.58	235.0	10B1-45	20	72	43	108*	5.12	10B2-45	25	80	59	120*	10.4	10B3-45	25	91	74	136*	15.8
46	232.63	240.1	10B1-46	20	72	43	108*	5.25	10B2-46	25	80	59	120*	10.7						
48	242.73	250.2	10B1-48	20	72	43	108*	5.51	10B2-48	25	80	59	120*	11.4						
50	252.82	260.3	10B1-50	20	72	43	108*	5.79	10B2-50	25	80	59	120*	12.2	10B3-50	25	91	74	136*	18.8
55	278.08	285.5	10B1-55	20	72	43	108*	6.52	10B2-55	25	80	59	120*	14.3						
57	288.18	296.0	10B1-57	25	72	43	108*	6.79	10B2-57	25	80	59	120*	15.2	10B3-57	25	91	74	136*	23.7
60	303.33	310.8	10B1-60	25	72	43	108*	7.27	10B2-60	25	80	59	120*	16.5	10B3-60	25	91	74	136*	26.0
76	384.15	392.1	10B1-76	25	72	43	108*	10.4	10B2-76	25	80	59	120*	25.2	10B3-76	30	97	75	145*	40.7
95	480.14	488.5	10B1-95	30	79	59	118*	16.7	10B2-95	30	97	58	145*	39.3	10B3-95	30	97	75	145*	62.0
Cast Iron Wheels																				
38	192.24	199.2	10B1-38C	19	48	40	80	2.6	10B2-38C	29	60	50	100	4.3	10B3-38C	31	60	60	100	6.8
45	227.58	235.0	10B1-45C	19	48	40	80	3.0	10B2-45C	29	60	50	100	6.0	10B3-45C	31	60	60	100	8.8
57	288.18	296.0	10B1-57C	23	54	45	90	4.3	10B2-57C	29	60	56	100	7.5	10B3-57C	31	60	63	100	9.3
76	384.15	392.1	10B1-76C	23	54	50	90	6.5	10B2-76C	29	60	63	100	9.3	10B3-76C	34	66	67	110	14.2
95	480.14	488.5	10B1-95C	23	60	56	100	9.2	10B2-95C	29	66	63	110	10.5	10B3-95C	34	75	70	125	18.5
114	576.13	584.1	10B1-114	23	60	56	100	14.0	10B2-114	29	75	70	125	17.0	10B3-114	34	75	80	125	26.0

Pinions 8 to 40 teeth in Steel with min. U.T.S. 600N/mm², which can be supplied with induction hardened teeth to 45Rc. Pinions above 40 teeth are in Steel with min 410N/mm²
All Standard Stock Sprockets can be reworked to customers required bore, keyway, and setscrew requirements, on a 48 hour service.

All dimensions in mm.
† Min. toleranced bore which can be machined in sprocket.
* Sprockets with an asterisk on the hub diameter may be fabricated construction.

Standard Sprockets for ¾" Pitch British Standard Chains Type 12B

Conforming to ISO Std. 606



Simplex Sprockets
Chain No. 12B-1

Pitch	19.05mm
Roller Dia.	12.07mm
Inside Width	11.68mm
Overall Width	24.5mm
Tooth Width B_1	11.1mm

Duplex Sprockets
Chain No. 12B-2

Pitch	19.05mm
Roller Dia.	12.07mm
Inside Width	11.68mm
Overall Width	44.0mm
Tooth Width B_2	30.3mm

Triplex Sprockets
Chain No. 12B-3

Pitch	19.05mm
Roller Dia.	12.07mm
Inside Width	11.68mm
Overall Width	63.4mm
Tooth Width B_3	49.8mm

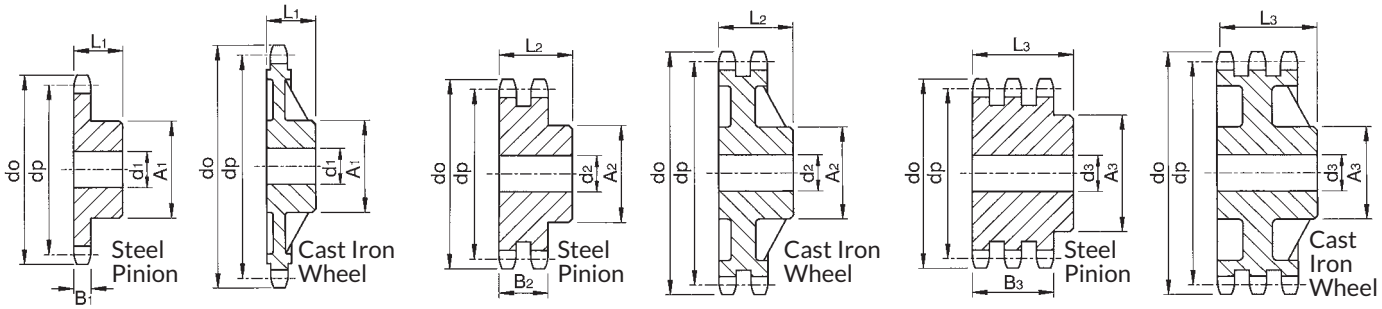
No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket						Duplex Sprocket						Triplex Sprocket					
			Cat. No.	Min.† Bore d_1	Max. Bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg	Cat. No.	Min.† Bore d_2	Max. Bore d_2	L.T.B. L_2	Hub Ø A_2	App. Weight kg	Cat. No.	Min.† Bore d_3	Max. Bore d_3	L.T.B. L_3	Hub Ø A_3	App. Weight kg
Steel Pinions																				
8	49.78	57.6	12B1-08	12	20	30	31	0.22	12B2-08	12	20	45	31	0.34	12B3-08	16	20	65	31	0.45
9	55.70	62.0	12B1-09	12	25	30	37	0.29	12B2-09	12	25	45	37	0.44	12B3-09	16	25	65	37	0.59
10	61.65	69.0	12B1-10	12	28	30	42	0.39	12B2-10	12	28	45	42	0.60	12B3-10	16	28	65	42	0.83
11	67.62	75.0	12B1-11	14	31	35	46	0.52	12B2-11	16	31	50	47	0.79	12B3-11	20	31	70	47	1.06
12	73.60	81.5	12B1-12	14	35	35	52	0.67	12B2-12	16	35	50	53	1.01	12B3-12	20	35	70	53	1.37
13	79.60	87.5	12B1-13	14	38	35	58	0.82	12B2-13	16	39	50	59	1.24	12B3-13	20	39	70	59	1.69
14	85.61	93.6	12B1-14	14	43	35	64	0.99	12B2-14	16	43	50	65	1.49	12B3-14	20	43	70	65	2.05
15	91.63	99.8	12B1-15	14	46	35	70	1.18	12B2-15	16	47	50	71	1.77	12B3-15	20	47	70	71	2.44
16	97.65	105.5	12B1-16	16	50	35	75	1.34	12B2-16	20	51	50	77	2.02	12B3-16	20	51	70	77	2.85
17	103.67	111.5	12B1-17	16	54	35	80	1.54	12B2-17	20	56	50	83	2.34	12B3-17	20	56	70	83	3.30
18	109.70	118.0	12B1-18	16	54	35	80	1.63	12B2-18	20	59	50	89	2.69	12B3-18	20	59	70	89	3.80
19	115.74	124.2	12B1-19	16	54	35	80	1.72	12B2-19	20	63	50	95	3.07	12B3-19	20	63	70	95	4.33
20	121.78	129.7	12B1-20	16	54	35	80	1.80	12B2-20	20	67	50	100	3.41	12B3-20	20	67	70	100	4.82
21	127.82	136.0	12B1-21	20	60	40	90	2.36	12B2-21	20	67	50	100	3.68	12B3-21	20	67	70	100	5.26
22	133.86	141.8	12B1-22	20	60	40	90	2.46	12B2-22	20	67	50	100	3.95	12B3-22	20	67	70	100	5.70
23	139.90	149.0	12B1-23	20	60	40	90	2.59	12B2-23	20	74	50	110	4.54	12B3-23	20	74	70	110	6.49
24	145.95	153.9	12B1-24	20	60	40	90	2.68	12B2-24	20	74	50	110	4.79	12B3-24	20	74	70	110	6.92
25	151.99	160.0	12B1-25	20	60	40	90	2.80	12B2-25	20	80	50	120	5.39	12B3-25	20	80	70	120	7.71
26	158.04	165.9	12B1-26	20	63	40	95	3.08	12B2-26	20	80	50	120	5.71	12B3-26	20	80	70	120	8.25
27	164.09	172.3	12B1-27	20	63	40	95	3.22	12B2-27	20	80	50	120	6.07	12B3-27	20	80	70	120	8.83
28	170.14	178.0	12B1-28	20	63	40	95	3.34	12B2-28	20	80	50	120	6.42	12B3-28	20	80	70	120	9.40
29	176.19	184.1	12B1-29	20	63	40	95	3.48	12B2-29	20	80	50	120	6.79	12B3-29	20	80	70	120	10.01
30	182.25	190.5	12B1-30	20	63	40	95	3.63	12B2-30	20	80	50	120	7.20	12B3-30	20	80	70	120	10.67
31	188.30	196.3	12B1-31	20	67	40	100	3.95	12B2-31	20	87	50	130	7.88	12B3-31	25	87	70	130	11.51
32	194.35	203.3	12B1-32	20	67	40	100	4.13	12B2-32	20	87	50	130	8.35	12B3-32	25	87	70	130	12.27
33	200.41	209.3	12B1-33	20	67	40	100	4.29	12B2-33	20	87	50	130	8.78	12B3-33	25	87	70	130	12.96
34	206.46	214.6	12B1-34	20	67	40	100	4.43	12B2-34	20	87	50	130	9.18	12B3-34	25	87	70	130	13.62
35	212.52	221.0	12B1-35	20	67	40	100	4.61	12B2-35	20	87	50	130	9.66	12B3-35	25	87	70	130	14.40
36	218.57	226.8	12B1-36	20	67	40	100	4.77	12B2-36	25	87	50	130	10.05	12B3-36	25	87	70	130	15.15
37	224.63	232.9	12B1-37	20	67	40	100	4.95	12B2-37	25	87	50	130	10.54	12B3-37	25	87	70	130	15.95
38	230.69	239.0	12B1-38	20	67	40	100	5.14	12B2-38	25	87	50	130	11.04	12B3-38	25	87	70	130	16.77
39	236.74	245.1	12B1-39	20	67	40	100	5.33	12B2-39	25	87	50	130	11.56	12B3-39	25	87	70	130	17.61
40	242.80	251.3	12B1-40	20	67	40	100	5.53	12B2-40	25	87	50	130	12.09	12B3-40	25	87	70	130	18.49
42	254.92	264.5	12B1-42	25	79	61	118*	8.33	12B2-42	25	91	62	136*	14.78						
45	273.09	282.5	12B1-45	25	79	61	118*	8.97	12B2-45	25	91	62	136*	16.53	12B3-45	25	94	72	140*	23.81
46	279.15	287.9	12B1-46	25	79	61	118*	9.17	12B2-46	25	91	62	136*	17.09						
48	291.27	300.1	12B1-48	25	79	61	118*	9.64	12B2-48	25	91	62	136*	18.36						
50	303.39	312.3	12B1-50	25	79	61	118*	10.13	12B2-50	25	91	62	136*	19.69	12B3-50	25	94	72	140*	28.99
55	333.69	342.7	12B1-55	25	79	61	118*	11.43	12B2-55	25	91	62	136*	23.26						
57	345.81	355.4	12B1-57	25	79	61	118*	12.01	12B2-57	25	91	62	136*	24.83	12B3-57	30	94	75	140*	37.61
60	363.99	373.0	12B1-60	25	79	61	118*	12.85	12B2-60	25	91	62	136*	27.16	12B3-60	30	94	75	140*	41.42
76	460.98	469.9	12B1-76	30	79	61	118*	18.15	12B2-76	30	97	63	145*	42.49	12B3-76	30	100	75	150*	66.12
95	576.17	585.1	12B1-95	30	89	62	133*	27.50	12B2-95	30	97	63	145*	64.75	12B3-95	30	100	75	150*	103
Cast Iron Wheels																				
38	230.69	239.0	12B1-38C	23	60	56	100	5.1	12B2-38C	29	66	63	110	7.5	12B3-38C	30	84	70	140	11.5
45	273.09	282.5	12B1-45C	23	60	56	100	5.5	12B2-45C	29	66	63	110	9.9	12B3-45C	30	84	70	140	14.5
57	345.81	355.4	12B1-57C	29	60	56	100	6.7	12B2-57C	29	72	63	120	12.0	12B3-57C	39	84	70	140	16.5
76	460.98	469.9	12B1-76C	29	60	56	100	10.3	12B2-76C	29	80	63	135	17.0	12B3-76C	39	96	75	160	24.0
95	576.17	585.1	12B1-95C	29	60	65	100	14.2	12B2-95C	29	80	70	135	21.0	12B3-95C	39	102	82	170	32.0
114	691.36	700.6	12B1-114	29	60	65	100	23.3	12B2-114	29	80	70	135	30.5	12B3-114	49	102	82	170	46.0

Pinions 8 to 40 teeth in Steel with min. U.T.S. 600N/mm², which can be supplied with induction hardened teeth to 45Rc. Pinions above 40 teeth are in Steel with min 410N/mm²
All Standard Stock Sprockets can be reworked to customers required bore, keyway, and setscrew requirements, on a 48 hour service.

All dimensions in mm.
† Min. toleranced bore which can be machined in sprocket.
* Sprockets with an asterisk on the hub diameter may be fabricated construction.

Standard Sprockets for 1” Pitch British Standard Chains Type 16B

Conforming to ISO Std 606



Simplex Sprockets
Chain No. 16B-1

Pitch	25.4mm
Roller Dia.	15.88mm
Inside Width	17.02mm
Overall Width	38.7mm
Tooth Width B_1	16.2mm

Duplex Sprockets
Chain No. 16B-2

Pitch	25.4mm
Roller Dia.	15.88mm
Inside Width	17.02mm
Overall Width	70.7mm
Tooth Width B_2	47.7mm

Triplex Sprockets
Chain No. 16B-3

Pitch	25.4mm
Roller Dia.	15.88mm
Inside Width	17.02mm
Overall Width	102.5mm
Tooth Width B_3	79.6mm

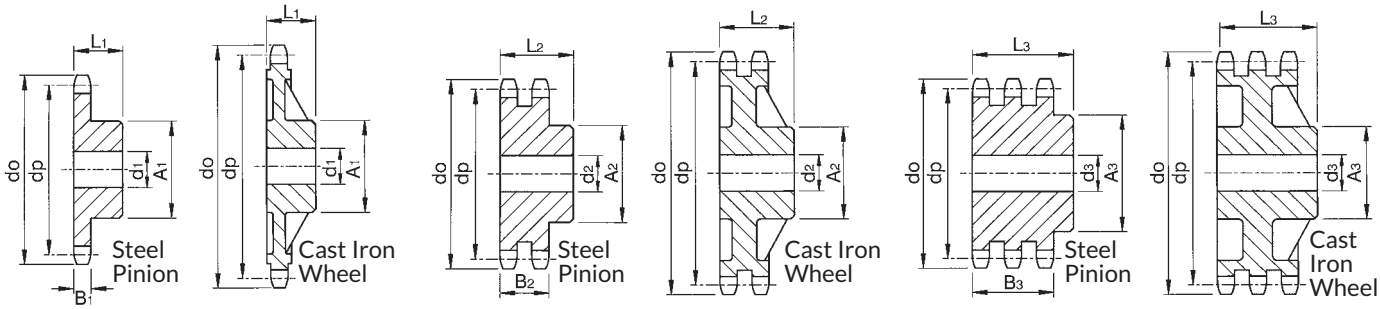
No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket						Duplex Sprocket						Triplex Sprocket					
			Cat. No.	Min.† Bore d_1	Max. Bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg	Cat. No.	Min.† Bore d_2	Max. Bore d_2	L.T.B. L_2	Hub Ø A_2	App. Weight kg	Cat. No.	Min.† Bore d_3	Max. Bore d_3	L.T.B. L_3	Hub Ø A_3	App. Weight kg
Steel Pinions																				
8	66.37	77.0	16B1-08	16	28	35	42	0.50	16B2-08	16	28	65	42	0.9	16B3-08	20	28	95	42	1.2
9	74.26	85.0	16B1-09	16	34	35	50	0.68	16B2-09	16	34	65	50	1.2	16B3-09	20	34	95	50	1.7
10	82.20	93.0	16B1-10	16	36	35	55	0.86	16B2-10	16	37	65	56	1.6	16B3-10	20	37	95	56	2.2
11	90.16	99.5	16B1-11	16	40	40	61	1.1	16B2-11	20	43	70	64	2.0	16B3-11	25	43	100	64	2.7
12	98.14	109.0	16B1-12	16	46	40	69	1.5	16B2-12	20	47	70	72	2.6	16B3-12	25	47	100	72	3.6
13	106.14	117.0	16B1-13	16	52	40	78	1.8	16B2-13	20	54	70	80	3.2	16B3-13	25	54	100	80	4.4
14	114.15	125.0	16B1-14	16	56	40	84	2.1	16B2-14	20	58	70	88	3.8	16B3-14	25	58	100	88	5.3
15	122.17	133.0	16B1-15	16	61	40	92	2.5	16B2-15	20	64	70	96	4.5	16B3-15	25	64	100	96	6.3
16	130.20	141.0	16B1-16	20	67	45	100	3.2	16B2-16	20	69	70	104	5.2	16B3-16	30	69	100	104	7.2
17	138.23	149.0	16B1-17	20	67	45	100	3.4	16B2-17	20	75	70	112	6.0	16B3-17	30	75	100	112	8.4
18	146.27	157.0	16B1-18	20	67	45	100	3.6	16B2-18	20	80	70	120	6.9	16B3-18	30	80	100	120	9.6
19	154.32	165.2	16B1-19	20	67	45	100	3.8	16B2-19	20	85	70	128	7.8	16B3-19	30	85	100	128	10.9
20	162.37	173.2	16B1-20	20	67	45	100	4.0	16B2-20	20	87	70	130	8.6	16B3-20	30	87	100	130	12.1
21	170.42	181.2	16B1-21	20	74	50	110	5.0	16B2-21	25	87	70	130	9.2	16B3-21	30	87	100	130*	13.3
22	178.48	189.3	16B1-22	20	74	50	110	5.3	16B2-22	25	87	70	130*	10.0	16B3-22	30	87	100	130*	14.5
23	186.54	197.5	16B1-23	20	74	50	110	5.6	16B2-23	25	87	70	130*	10.8	16B3-23	30	87	100	130*	15.9
24	194.60	205.5	16B1-24	20	74	50	110	5.9	16B2-24	25	87	70	130*	11.6	16B3-24	30	87	100	130*	17.2
25	202.66	213.5	16B1-25	20	74	50	110	6.2	16B2-25	25	87	70	130*	12.5	16B3-25	30	87	100	130*	18.7
26	210.72	221.6	16B1-26	20	80	50	120	7.0	16B2-26	25	87	70	130*	13.4	16B3-26	30	87	100	130*	20.2
27	218.79	229.6	16B1-27	20	80	50	120	7.3	16B2-27	25	87	70	130*	14.3	16B3-27	30	87	100	130*	21.8
28	226.86	237.7	16B1-28	20	80	50	120	7.7	16B2-28	25	87	70	130*	15.3	16B3-28	30	87	100	130*	23.4
29	234.93	245.8	16B1-29	20	80	50	120	8.0	16B2-29	25	87	70	130*	16.3	16B3-29	30	87	100	130*	25.1
30	243.00	254.0	16B1-30	20	80	50	120	8.4	16B2-30	25	87	70	130*	17.4	16B3-30	30	87	100	130*	26.9
31	251.07	262.0	16B1-31	25	80	50	120*	8.7	16B2-31	25	94	70	140*	18.9	16B3-31	30	87	100	130*	28.7
32	259.14	270.0	16B1-32	25	80	50	120*	9.1	16B2-32	25	94	70	140*	20.0	16B3-32	30	94	100	140*	30.9
33	267.21	278.5	16B1-33	25	80	50	120*	9.5	16B2-33	25	94	70	140*	21.3	16B3-33	30	94	100	140*	33.0
34	275.28	287.0	16B1-34	25	80	50	120*	10.0	16B2-34	25	94	70	140*	22.5	16B3-34	30	94	100	140*	35.1
35	283.36	296.2	16B1-35	25	80	50	120*	10.5	16B2-35	25	94	70	140*	23.9	16B3-35	30	94	100	140*	37.4
36	291.43	304.6	16B1-36	25	80	50	120*	10.9	16B2-36	25	94	70	140*	25.3	16B3-36	30	94	100	140*	39.6
37	299.51	312.6	16B1-37	25	80	50	120*	11.4	16B2-37	25	94	70	140*	26.6	16B3-37	30	94	100	140*	41.8
38	307.58	320.7	16B1-38	25	80	50	120*	11.9	16B2-38	25	94	70	140*	28.0	16B3-38	30	94	100	140*	44.1
39	315.66	328.8	16B1-39	25	80	50	120*	12.4	16B2-39	25	94	70	140*	29.4	16B3-39	30	94	100	140*	46.5
40	323.74	336.9	16B1-40	25	80	50	120*	12.9	16B2-40	25	94	70	140*	30.8	16B3-40	30	94	100	140*	48.9
42	339.89	353.0	16B1-42	25	89	68	133*	16.5	16B2-42	25	94	70	140*	33.9						
45	364.12	377.1	16B1-45	25	89	68	133*	18.2	16B2-45	25	94	70	140*	38.7	16B3-45	30	107	110	160*	64.2
46	372.20	385.2	16B1-46	25	89	68	133*	18.7	16B2-46	25	94	70	140*	40.4						
48	388.36	401.3	16B1-48	25	89	68	133*	19.9	16B2-48	25	94	70	140*	43.9						
50	404.52	417.4	16B1-50	25	89	68	133*	21.2	16B2-50	25	94	70	140*	47.5	16B3-50	30	107	110	160*	78.8
57	461.08	474.0	16B1-57	30	89	68	133*	25.9	16B2-57	40	107	82	160*	63.6	16B3-57	40	120	112	180*	103
60	485.33	498.3	16B1-60	30	89	68	133*	28.1	16B2-60	40	107	82	160*	70.2						
76	614.64	627.0	16B1-76	30	97	68	145*	43.1	16B2-76	40	107	82	160*	111	16B3-76	40	120	112	180*	182
95	768.22	781.1	16B1-95	30	107	78	160*	67.0	16B2-95	40	120	109	180*	179	16B3-95	40	120	112	180*	284
Cast Iron Wheels																				
38	307.58	320.7	16B1-38C	29	66	65	110	11.5	16B2-38C	39	84	75	140	16.0	16B3-38C	44	96	100	160	26
45	364.12	377.1	16B1-45C	29	75	70	125	14.0	16B2-45C	39	90	75	150	20.5	16B3-45C	44	96	100	160	33
57	461.08	474.0	16B1-57C	34	75	70	125	13.0	16B2-57C	39	102	90	170	20.5	16B3-57C	44	100	100	165	42
76	614.64	627.0	16B1-76C	34	84	80	140	25.3	16B2-76C	39	105	95	175	44	16B3-76C	44	120	110	200	63
95	768.22	781.0	16B1-95C	39	84	80	140	36.0	16B2-95C	44	105	95	175	56	16B3-95C	49	120	110	200	88
114	921.81	934.0	16B1-114	39	84	80	140	46.5	16B2-114	44	105	95	175	61	16B3-114	49	120	115	200	90

Pinions 8 to 20 teeth(to 30 teeth Simplex) in Steel with min. U.T.S. 600N/mm², which can be supplied with induction hardened teeth to 45Rc.
All other pinions are in Steel with min 410N/mm²
All Standard Stock Sprockets can be reworked to customers required bore, keyway, and setscrew requirements, on a 48 hour service.

All dimensions in mm.
† Min. toleranced bore which can be machined in sprocket.
* Sprockets with an asterisk on the hub diameter may be fabricated construction.

Standard Sprockets for 1¼" Pitch British Standard Chains Type 20B

Conforming to ISO Std 606



Simplex Sprockets
Chain No. 20B-1

Pitch	31.75mm
Roller Dia.	19.05mm
Inside Width	19.56mm
Overall Width	44.1mm
Tooth Width B_1	18.5mm

Duplex Sprockets
Chain No. 20B-2

Pitch	31.75mm
Roller Dia.	19.05mm
Inside Width	19.56mm
Overall Width	80.5mm
Tooth Width B_2	54.6mm

Triplex Sprockets
Chain No. 20B-3

Pitch	31.75mm
Roller Dia.	19.05mm
Inside Width	19.56mm
Overall Width	117.1mm
Tooth Width B_3	91.0mm

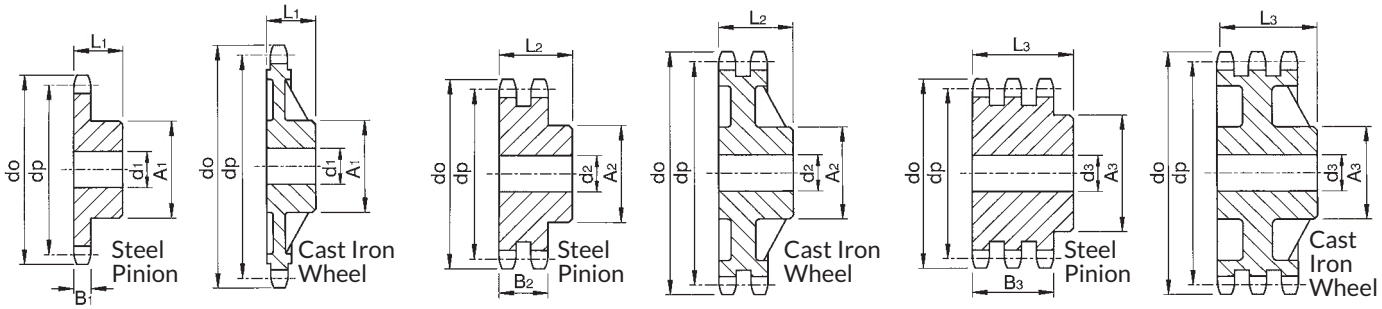
No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket						Duplex Sprocket						Triplex Sprocket					
			Cat. No.	Min.† Bore d_1	Max. Bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg	Cat. No.	Min.† Bore d_2	Max. Bore d_2	L.T.B. L_2	Hub Ø A_2	App. Weight kg	Cat. No.	Min.† Bore d_3	Max. Bore d_3	L.T.B. L_3	Hub Ø A_3	App. Weight kg
Steel Pinions																				
8	82.97	98.1	20B1-08	20	35	40	53	1.0	20B2-08	20	35	75	53	1.8	20B3-08	20	35	110	53	2.5
9	92.83	108.0	20B1-09	20	42	40	63	1.3	20B2-09	20	42	75	63	2.4	20B3-09	20	42	110	63	3.4
10	102.75	117.9	20B1-10	20	46	40	70	1.6	20B2-10	20	46	75	70	3.0	20B3-10	20	46	110	70	4.4
11	112.70	127.8	20B1-11	20	51	45	77	2.2	20B2-11	20	54	80	80	4.0	20B3-11	20	54	115	80	5.8
12	122.67	137.8	20B1-12	20	58	45	88	2.7	20B2-12	20	60	80	90	5.0	20B3-12	20	60	115	90	7.2
13	132.67	147.8	20B1-13	20	65	45	98	3.3	20B2-13	20	67	80	100	6.0	20B3-13	20	67	115	100	8.7
14	142.68	157.8	20B1-14	20	72	45	108	3.9	20B2-14	20	74	80	110	7.2	20B3-14	20	74	115	110	10.3
15	152.72	167.9	20B1-15	20	78	45	118	4.6	20B2-15	20	80	80	120	8.4	20B3-15	20	80	115	120	12.1
16	162.75	177.9	20B1-16	25	80	50	120	5.4	20B2-16	25	80	80	120	9.3	20B3-16	25	80	115	120	13.5
17	172.79	187.9	20B1-17	25	80	50	120	5.8	20B2-17	25	80	80	120	10.3	20B3-17	25	80	115	120	15.2
18	182.84	198.0	20B1-18	25	80	50	120	6.2	20B2-18	25	80	80	120*	11.4	20B3-18	25	80	115	120*	17.0
19	192.90	208.1	20B1-19	25	80	50	120	6.6	20B2-19	25	80	80	120*	12.6	20B3-19	25	80	115	120*	19.0
20	202.96	218.1	20B1-20	25	80	50	120	7.0	20B2-20	25	80	80	120*	13.8	20B3-20	25	80	115	120*	21.0
21	213.03	228.2	20B1-21	25	94	55	140	9.1	20B2-21	25	94	80	140*	15.9	20B3-21	25	94	115	140*	23.9
22	223.10	238.3	20B1-22	25	94	55	140	9.6	20B2-22	25	94	80	140*	17.3	20B3-22	25	94	115	140*	26.2
23	233.17	248.3	20B1-23	25	94	55	140	10.1	20B2-23	25	94	80	140*	18.7	20B3-23	25	94	115	140*	28.6
24	243.25	258.4	20B1-24	25	94	55	140	10.6	20B2-24	25	94	80	140*	20.2	20B3-24	25	94	115	140*	31.1
25	253.32	268.5	20B1-25	25	94	55	140	11.2	20B2-25	25	94	80	140*	21.8	20B3-25	25	94	115	140*	33.7
26	263.41	278.6	20B1-26	25	100	55	150*	12.4	20B2-26	25	100	80	150*	23.9	20B3-26	25	100	115	150*	36.8
27	273.49	288.6	20B1-27	25	100	55	150*	13.0	20B2-27	25	100	80	150*	25.6	20B3-27	25	100	115	150*	39.7
28	283.57	298.7	20B1-28	25	100	55	150*	13.6	20B2-28	25	100	80	150*	27.4	20B3-28	25	100	115	150*	42.6
29	293.66	308.8	20B1-29	25	100	55	150*	14.3	20B2-29	25	100	80	150*	29.3	20B3-29	25	100	115	150*	45.7
30	303.75	318.9	20B1-30	25	100	55	150*	15.0	20B2-30	25	100	80	150*	31.2	20B3-30	25	100	115	150*	48.9
31	313.83	329.0	20B1-31	25	100	55	150*	15.7	20B2-31	25	100	80	150*	33.2	20B3-31	30	100	115	150*	52.0
32	323.92	339.1	20B1-32	25	100	55	150*	16.4	20B2-32	25	100	80	150*	35.2	20B3-32	30	100	115	150*	55.4
33	334.01	349.2	20B1-33	25	100	55	150*	17.1	20B2-33	25	100	80	150*	37.4	20B3-33	30	100	115	150*	58.9
34	344.10	359.3	20B1-34	25	100	55	150*	17.9	20B2-34	25	100	80	150*	39.6	20B3-34	30	100	115	150*	62.6
35	354.20	369.4	20B1-35	25	100	55	150*	18.7	20B2-35	25	100	80	150*	41.8	20B3-35	30	100	115	150*	66.3
36	364.29	379.5	20B1-36	25	100	55	150*	19.5	20B2-36	30	100	80	150*	44.0	20B3-36	30	100	115	150*	70.2
37	374.38	389.5	20B1-37	25	100	55	150*	20.3	20B2-37	30	100	80	150*	46.4	20B3-37	30	100	115	150*	74.2
38	384.48	399.6	20B1-38	25	100	55	150*	21.2	20B2-38	30	100	80	150*	48.9	20B3-38	30	100	115	150*	78.3
39	394.57	409.7	20B1-39	25	100	55	150*	22.1	20B2-39	30	100	80	150*	51.4	20B3-39	30	100	115	150*	82.5
40	404.67	419.8	20B1-40	25	100	55	150*	23.0	20B2-40	30	100	80	150*	54.0	20B3-40	30	100	115	150*	86.8
42	424.86	440.0	20B1-42	30	107	80	160*	29.3												
45	455.15	470.3	20B1-45	30	107	80	160*	32.3	20B2-45	30	107	101	160*	71.8	20B3-45	40	107	121	160*	111
46	465.25	480.4	20B1-46	25	107	80	160*	33.4	20B2-46	30	107	101	160*	74.8						
48	485.45	500.6	20B1-48	25	107	80	160*	35.6												
50	505.65	520.8	20B1-50	25	107	80	160*	37.9	20B2-50	30	107	101	160*	87.6	20B3-50	40	107	121	160*	137
57	576.35	591.5	20B1-57	30	107	80	160*	46.3	20B2-57	40	107	116	180*	117	20B3-57	40	134	123	200*	182
60	606.66	621.8	20B1-60	30	107	80	160*	50.4												
76	768.32	783.5	20B1-76	30	107	80	160*	75.5	20B2-76	40	120	116	180*	202	20B3-76	40	134	123	200*	323
95	960.28	975.2	20B1-76	30	112	93	168*	116	20B2-95	40	134	116	200*	314						
Cast Iron Wheels																				
38	384.48	399.6	20B1-38C	35	75	70	125	11.9	20B2-38C	44	84	90	140	24.2	20B3-38C	56	108	110	180	39
45	455.17	470.3	20B1-45C	35	75	70	125	19.5	20B2-45C	44	84	90	140	29.6	20B3-45C	56	108	110	180	48
57	576.36	591.5	20B1-57C	40	80	80	135	25.6	20B2-57C	50	96	100	160	45.0	20B3-57C	60	108	125	180	65
76	768.32	783.5	20B1-76C	40	84	90	140	39.0	20B2-76C	50	108	100	180	65.0	20B3-76C	60	120	140	200	85

Pinions 8 to 17 teeth(to 25 teeth Simplex) in Steel with min. U.T.S. 600N/mm², which can be supplied with induction hardened teeth to 45Rc. All other pinions are in Steel with min 410N/mm²
All Standard Stock Sprockets can be reworked to customers required bore, keyway, and setscrew requirements, on a 48 hour service.

All dimensions in mm.
† Min. toleranced bore which can be machined in sprocket.
* Sprockets with an asterisk on the hub diameter may be fabricated construction.

Standard Sprockets for 1½" Pitch British Standard Chains Type 24B

Conforming to ISO Std 606



Simplex Sprockets
Chain No. 24B-1

Pitch	38.1mm
Roller Dia.	25.4mm
Inside Width	25.4mm
Overall Width	56.9mm
Tooth Width B_1	24.1mm

Duplex Sprockets
Chain No. 24B-2

Pitch	38.1mm
Roller Dia.	25.4mm
Inside Width	25.4mm
Overall Width	105.0mm
Tooth Width B_2	72.0mm

Triplex Sprockets
Chain No. 24B-3

Pitch	38.1mm
Roller Dia.	25.4mm
Inside Width	25.4mm
Overall Width	153.0mm
Tooth Width B_3	120.3mm

No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket						Duplex Sprocket						Triplex Sprocket					
			Cat. No.	Min.† Bore d_1	Max. Bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg	Cat. No.	Min.† Bore d_2	Max. Bore d_2	L.T.B. L_2	Hub Ø A_2	App. Weight kg	Cat. No.	Min.† Bore d_3	Max. Bore d_3	L.T.B. L_3	Hub Ø A_3	App. Weight kg
Steel Pinions																				
8	99.56	115.0	24B1-08	20	38	45	58	1.4	24B2-08	25	38	95	58	2.6	24B3-08	25	38	140	58	3.8
9	111.40	126.4	24B1-09	20	46	45	70	1.9	24B2-09	25	46	95	70	3.6	24B3-09	25	46	140	70	5.2
10	123.29	138.0	24B1-10	20	54	45	80	2.4	24B2-10	25	54	95	80	4.7	24B3-10	25	54	140	80	7.0
11	135.23	150.0	24B1-11	25	60	50	90	3.2	24B2-11	25	60	100	90	6.3	24B3-11	25	60	150	90	9.4
12	147.21	162.0	24B1-12	25	68	50	102	4.0	24B2-12	25	68	100	102	7.9	24B3-12	25	68	150	102	11.9
13	159.20	174.2	24B1-13	25	76	50	114	4.9	24B2-13	25	76	100	114	9.8	24B3-13	25	76	150	114	14.6
14	171.22	186.2	24B1-14	25	85	50	128	6.0	24B2-14	25	85	100	128	11.8	24B3-14	25	85	150	128	17.7
15	183.25	198.2	24B1-15	25	94	50	140	7.0	24B2-15	25	94	100	140	14.0	24B3-15	25	94	150	140	21.0
16	195.29	210.3	24B1-16	25	94	55	140*	8.3	24B2-16	25	94	100	140*	15.8	24B3-16	25	94	150	140*	23.9
17	207.35	222.3	24B1-17	25	94	55	140*	8.9	24B2-17	25	100	100	150*	18.1	24B3-17	25	100	150	150*	27.5
18	219.41	234.3	24B1-18	25	94	55	140*	9.6	24B2-18	25	107	100	160*	20.7	24B3-18	25	107	150	160*	31.4
19	231.48	246.5	24B1-19	25	94	55	140*	10.4	24B2-19	25	107	100	160*	22.8	24B3-19	25	107	150	160*	35.0
20	243.55	258.6	24B1-20	25	94	55	140*	11.2	24B2-20	25	107	100	160*	25.1	24B3-20	25	107	150	160*	38.8
21	255.63	270.6	24B1-21	25	100	60	150*	13.2	24B2-21	25	107	100	160*	27.5	24B3-21	30	107	150	160*	42.5
22	267.72	282.7	24B1-22	25	100	60	150*	14.1	24B2-22	25	107	100	160*	30.0	24B3-22	30	107	150	160*	46.7
23	279.80	294.8	24B1-23	25	100	60	150*	15.0	24B2-23	25	107	100	160*	32.7	24B3-23	30	107	150	160*	51.1
24	291.90	306.8	24B1-24	25	100	60	150*	16.0	24B2-24	25	107	100	160*	35.5	24B3-24	30	107	150	160*	55.7
25	303.99	319.0	24B1-25	25	100	60	150*	17.0	24B2-25	25	107	100	160*	38.4	24B3-25	30	107	150	160*	60.6
26	316.09	331.0	24B1-26	30	107	60	160*	18.6	24B2-26	30	107	100	160*	41.3	24B3-26	30	107	150	160*	65.7
27	328.19	343.2	24B1-27	30	107	60	160*	19.7	24B2-27	30	107	100	160*	44.5	24B3-27	30	107	150	160*	71.0
28	340.29	355.2	24B1-28	30	107	60	160*	20.9	24B2-28	30	107	100	160*	47.8	24B3-28	30	107	150	160*	76.5
29	352.39	367.3	24B1-29	30	107	60	160*	22.0	24B2-29	30	107	100	160*	51.2	24B3-29	30	107	150	160*	82.2
30	364.49	379.5	24B1-30	30	107	60	160*	23.3	24B2-30	30	107	100	160*	54.8	24B3-30	30	107	150	160*	88.2
31	376.60	391.6	24B1-31	30	107	60	160*	24.6	24B2-31	30	114	100	170*	59.1	24B3-31	40	114	150	170*	94.3
32	388.71	403.7	24B1-32	30	107	60	160*	25.9	24B2-32	30	114	100	170*	62.9	24B3-32	40	114	150	170*	101
33	400.82	415.8	24B1-33	30	107	60	160*	27.2	24B2-33	30	114	100	170*	66.9	24B3-33	40	114	150	170*	107
34	412.93	427.8	24B1-34	30	107	60	160*	28.6	24B2-34	30	114	100	170*	71.0	24B3-34	40	114	150	170*	114
35	425.04	440.0	24B1-35	30	107	60	160*	30.1	24B2-35	30	114	100	170*	75.2	24B3-35	40	114	150	170*	121
36	437.15	452.0	24B1-36	30	107	60	160*	31.5	24B2-36	30	114	100	170*	79.6	24B3-36	40	114	150	170*	128
37	449.26	464.0	24B1-37	30	107	60	160*	33.1	24B2-37	30	114	100	170*	84.0	24B3-37	40	114	150	170*	136
38	461.37	476.2	24B1-38	30	107	60	160*	34.7	24B2-38	30	114	100	170*	88.7	24B3-38	40	114	150	170*	144
39	473.49	488.5	24B1-39	30	107	60	160*	36.3	24B2-39	30	114	100	170*	93.5	24B3-39	40	114	150	170*	152
40	485.60	500.6	24B1-40	30	107	60	160*	38.0	24B2-40	30	114	100	170*	98.3	24B3-40	40	114	150	170*	160
42	509.83	524.7	24B1-42	30	112	99	168*	48.6												
45	546.19	561.2	24B1-45	30	112	99	168*	54.1	24B2-45	40	120	133	180*	131	24B3-45	40	135	153	200*	206
46	558.30	573.3	24B1-46	30	112	99	168*	56.0												
48	582.54	597.4	24B1-48	30	112	99	168*	60.0												
50	606.78	621.7	24B1-50	30	112	99	168*	64.2	24B2-50	40	120	133	180*	161	24B3-50	40	135	153	200*	256
57	691.62	706.5	24B1-57	30	112	99	168*	80.1	24B2-57	40	120	133	180*	208	24B3-57	40	135	153	200*	334
60	727.99	742.8	24B1-60	30	112	99	168*	87.6												
76	921.96	936.9	24B1-76	40	119	118	178*	139	24B2-76	40	135	133	200*	370	24B3-76	40	147	155	220*	603
95	1152.33	1167.3	24B1-95	40	119	118	178*	209												
Cast Iron Wheels																				
38	461.37	476.2	24B1-38C	45	84	90	140	23.2	24B2-38C	45	108	100	180	43.0	24B3-38C	60	120	150	200	73
45	546.19	561.2	24B1-45C	45	84	90	140	25.0	24B2-45C	45	108	100	180		24B3-45C	60	120	150	200	
57	691.62	706.5	24B1-57C	45	96	100	160	42.5	24B2-57C	55	120	110	200	73.0	24B3-57C	70	120	150	200	117
76	921.96	936.9	24B1-76C	45	102	100	170	66.5	24B2-76C	55	132	120	220	127	24B3-76C	70	150	150	250	180
95	1152.33	1167.3	24B1-95C	50	120	125	200	82.0	24B2-95C	55	132	140	220	163						

Pinions 8 to 15 teeth in Steel with min. U.T.S. 600N/mm², which can be supplied with induction hardened teeth to 45Rc. Pinions above 15 teeth are in Steel with min 410N/mm²

All Standard Stock Sprockets can be reworked to customers required bore, keyway, and setscrew requirements, on a 48 hour service.

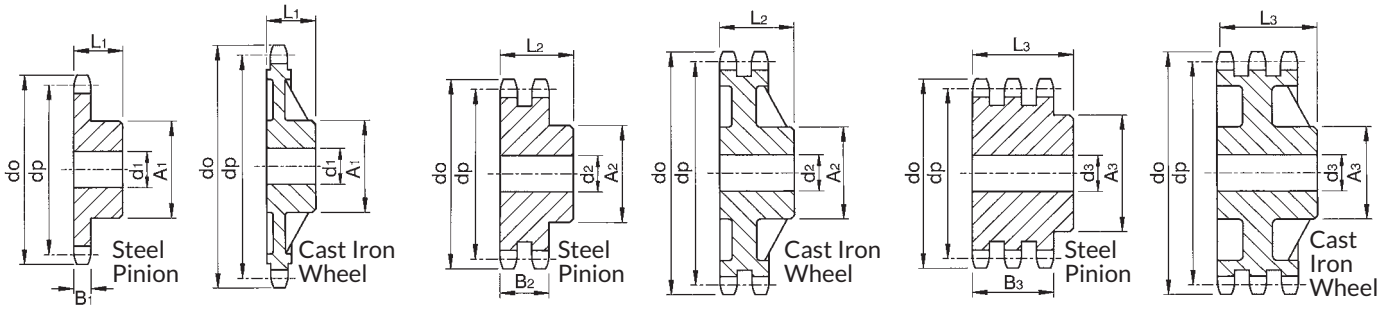
All dimensions in mm.

† Min. toleranced bore which can be machined in sprocket.

* Sprockets with an asterisk on the hub diameter may be fabricated construction.

Standard Sprockets for 1¾" Pitch British Standard Chains Type 28B

Conforming to ISO Std 606



Simplex Sprockets
Chain No. 28B-1

Pitch	44.45mm
Roller Dia.	27.94mm
Inside Width	30.99mm
Overall Width	71.3mm
Tooth Width B_1	29.4mm

Duplex Sprockets
Chain No. 28B-2

Pitch	44.45mm
Roller Dia.	127.94mm
Inside Width	30.99mm
Overall Width	130.3mm
Tooth Width B_2	88.4mm

Triplex Sprockets
Chain No. 28B-3

Pitch	44.45mm
Roller Dia.	27.94mm
Inside Width	30.99mm
Overall Width	189.9mm
Tooth Width B_3	148.0mm

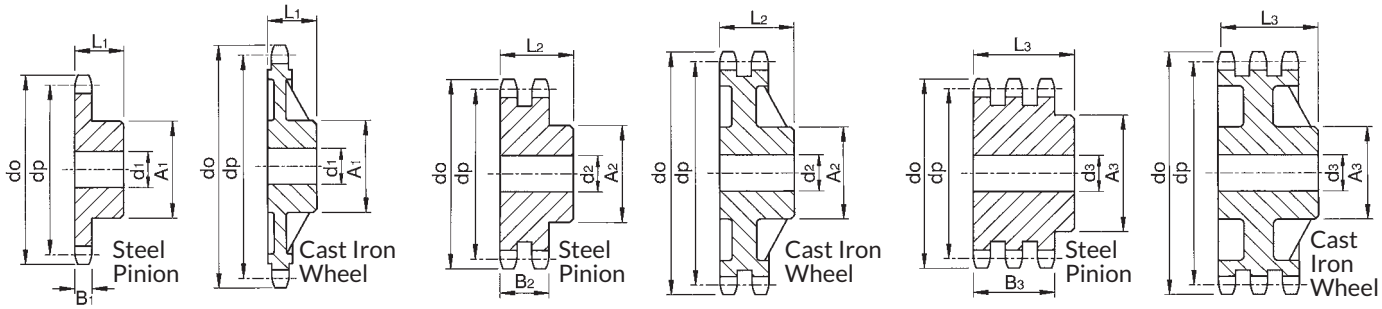
No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket						Duplex Sprocket						Triplex Sprocket					
			Cat. No.	Min.† Bore d_1	Max. Bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg	Cat. No.	Min.† Bore d_2	Max. Bore d_2	L.T.B. L_2	Hub Ø A_2	App. Weight kg	Cat. No.	Min.† Bore d_3	Max. Bore d_3	L.T.B. L_3	Hub Ø A_3	App. Weight kg
8	116.15	132.0	28B1-08	25	48	70	74	2.9	28B2-08	25	48	120	74	4.8	28B3-08	30	48	180	74	6.8
9	129.96	148.4	28B1-09	25	59	70	88	4.1	28B2-09	25	59	120	88	6.9	28B3-09	30	59	180	88	9.9
10	143.84	162.3	28B1-10	25	67	70	100	5.3	28B2-10	25	67	120	100	9.0	28B3-10	30	67	180	100	13.1
11	157.77	176.3	28B1-11	25	75	70	112	6.6	28B2-11	25	75	120	112	11.4	28B3-11	30	75	180	112	16.7
12	171.74	189.3	28B1-12	25	83	70	125	8.1	28B2-12	25	83	120	125	14.0	28B3-12	30	83	180	125	20.6
13	185.74	204.2	28B1-13	25	87	70	130*	9.3	28B2-13	25	87	120	130*	16.7	28B3-13	30	87	180	130*	24.8
14	199.76	218.2	28B1-14	25	87	70	130*	10.2	28B2-14	25	87	120	130*	19.2	28B3-14	30	87	180	130*	29.0
15	213.79	232.3	28B1-15	25	95	70	145*	12.2	28B2-15	30	95	120	145*	22.6	28B3-15	30	95	180	145*	34.4
16	227.84	246.3	28B1-16	30	107	75	160*	15.1	28B2-16	30	107	120	160*	26.5	28B3-16	30	107	180	160*	40.2
17	241.91	260.0	28B1-17	30	107	75	160*	16.1	28B2-17	30	107	120	160*	29.6	28B3-17	30	107	180	160*	45.4
18	255.98	274.0	28B1-18	30	107	75	160*	17.3	28B2-18	30	107	120	160*	33.0	28B3-18	30	107	180	160*	51.0
19	270.06	289.0	28B1-19	30	107	75	160*	18.7	28B2-19	30	120	120	180*	38.1	28B3-19	30	120	180	180*	58.7
20	284.14	303.0	28B1-20	30	107	75	160*	20.0	28B2-20	30	120	120	180*	42.0	28B3-20	30	120	180	180*	65.0
21	298.24	317.0	28B1-21	30	114	75	170*	22.4	28B2-21	30	120	120	180*	46.0	28B3-21	30	120	180	180*	71.8
22	312.34	331.0	28B1-22	30	114	75	170*	23.8	28B2-22	30	120	120	180*	50.3	28B3-22	30	120	180	180*	78.9
23	326.44	345.0	28B1-23	30	114	75	170*	25.4	28B2-23	30	120	120	180*	54.8	28B3-23	30	120	180	180*	86.3
24	340.54	359.0	28B1-24	30	114	75	170*	27.0	28B2-24	30	120	120	180*	59.5	28B3-24	30	120	180	180*	94.1
25	354.65	373.0	28B1-25	30	114	75	170*	28.7	28B2-25	30	120	120	180*	64.4	28B3-25	40	120	180	180*	102
26	368.77	387.0	28B1-26	30	114	75	170*	30.4	28B2-26	30	120	120	180*	69.5	28B3-26	40	120	180	180*	110
27	382.88	401.0	28B1-27	30	114	75	170*	32.3	28B2-27	30	120	120	180*	74.9	28B3-27	40	120	180	180*	119
28	397.00	416.0	28B1-28	30	114	75	170*	34.3	28B2-28	30	120	120	180*	80.7	28B3-28	40	120	180	180*	129
29	411.12	430.0	28B1-29	30	114	75	170*	36.3	28B2-29	30	120	120	180*	86.5	28B3-29	40	120	180	180*	138
30	425.24	444.0	28B1-30	30	114	75	170*	38.3	28B2-30	30	120	120	180*	92.5	28B3-30	40	120	180	180*	148
31	439.37	458.0	28B1-31	30	120	75	180*	41.5	28B2-31	30	135	120	200*	100	28B3-31	40	135	180	200*	160
32	453.49	472.0	28B1-32	30	120	75	180*	43.6	28B2-32	30	135	120	200*	107	28B3-32	40	135	180	200*	171
33	467.62	486.0	28B1-33	30	120	75	180*	45.9	28B2-33	30	135	120	200*	113	28B3-33	40	135	180	200*	182
34	481.75	500.0	28B1-34	30	120	75	180*	48.2	28B2-34	30	135	120	200*	120	28B3-34	40	135	180	200*	193
35	495.88	514.0	28B1-35	30	120	75	180*	50.6	28B2-35	30	135	120	200*	127	28B3-35	40	135	180	200*	205
36	510.01	529.0	28B1-36	30	120	75	180*	53.3	28B2-36	30	135	120	200*	135	28B3-36	40	135	180	200*	218
37	524.14	543.0	28B1-37	30	120	75	180*	55.9	28B2-37	30	135	120	200*	142	28B3-37	40	135	180	200*	230
38	538.27	557.0	28B1-38	30	120	75	180*	58.5	28B2-38	30	135	120	200*	150	28B3-38	40	135	180	200*	243
39	552.40	571.0	28B1-39	30	120	75	180*	61.2	28B2-39	30	135	120	200*	158	28B3-39	40	135	180	200*	257
40	566.54	585.0	28B1-40	30	120	75	180*	63.9	28B2-40	30	135	120	200*	166	28B3-40	40	135	180	200*	270
45	637.22	656.0	28B1-45	30	120	75	180*	79.1	28B2-45	40	135	150	200*	217	28B3-45	40	135	209	200*	351
50	707.91	726.0	28B1-50	30	120	75	180*	95.7	28B2-50	40	135	150	200*	267						
57	806.89	825.0	28B1-57	40	120	123	180*	131	28B2-57	40	135	150	200*	346	28B3-57	40	135	209	200*	566
60	849.32	869.0	28B1-60	40	120	123	180*	144												
76	1075.62	1095.0	28B1-76	40	120	123	180*	222	28B2-76	40	135	150	200*	615	28B3-76	40	160	217	238*	1024

Pinions 8 to 12 teeth in Steel with min. U.T.S. 600N/mm², which can be supplied with induction hardened teeth to 45Rc. Pinions above 12 teeth are in Steel with min 410N/mm²
All Standard Stock Sprockets can be reworked to customers required bore, keyway, and setscrew requirements, on a 48 hour service.

All dimensions in mm.
† Min. toleranced bore which can be machined in sprocket.
* Sprockets with an asterisk on the hub diameter may be fabricated construction.

Standard Sprockets for 2” Pitch British Standard Chains Type 32B

Conforming to ISO Std 606



Simplex Sprockets
Chain No. 32B-1

Pitch	50.8mm
Roller Dia.	29.21mm
Inside Width	30.99mm
Overall Width	68.6mm
Tooth Width B_1	29.4mm

Duplex Sprockets
Chain No. 32B-2

Pitch	50.8mm
Roller Dia.	29.21mm
Inside Width	30.99mm
Overall Width	126.8mm
Tooth Width B_2	87.4mm

Triplex Sprockets
Chain No. 32B-3

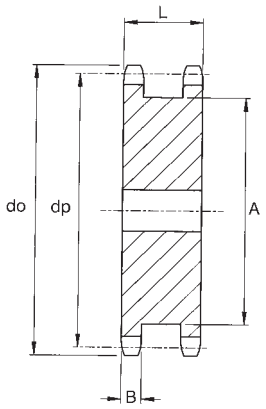
Pitch	50.8mm
Roller Dia.	29.21mm
Inside Width	30.99mm
Overall Width	185.0mm
Tooth Width B_3	146.0mm

No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket						Duplex Sprocket						Triplex Sprocket					
			Cat. No.	Min.† Bore d_1	Max. Bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg	Cat. No.	Min.† Bore d_2	Max. Bore d_2	L.T.B. L_2	Hub Ø A_2	App. Weight kg	Cat. No.	Min.† Bore d_3	Max. Bore d_3	L.T.B. L_3	Hub Ø A_3	App. Weight kg
8	132.75	153.2	32B1-08	25	55	80	82	4.6	32B2-08	30	55	120	82	7.0	32B3-08	30	55	180	82	10.3
9	148.53	169.0	32B1-09	25	58	80	88	5.6	32B2-09	30	58	120	88	9.1	32B3-09	30	58	180	88	13.6
10	164.39	185.0	32B1-10	25	69	80	104	7.4	32B2-10	30	69	120	104	12.0	32B3-10	30	69	180	104	17.9
11	180.31	200.8	32B1-11	30	80	80	120	9.3	32B2-11	30	80	120	120	15.2	32B3-11	30	80	180	120	22.7
12	196.28	216.8	32B1-12	30	90	80	133*	11.4	32B2-12	30	90	120	133*	18.6	32B3-12	30	90	180	133*	28.0
13	212.27	232.8	32B1-13	30	97	80	145*	13.5	32B2-13	30	97	120	145*	22.4	32B3-13	30	97	180	145*	33.7
14	228.29	248.8	32B1-14	30	107	80	160*	16.2	32B2-14	30	107	120	160*	26.6	32B3-14	30	107	180	160*	40.2
15	244.33	264.8	32B1-15	30	107	80	160*	17.5	32B2-15	30	107	120	160*	30.2	32B3-15	30	107	180	160*	46.2
16	260.39	280.9	32B1-16	30	107	90	160*	20.4	32B2-16	30	107	120	160*	34.2	32B3-16	30	107	180	160*	52.6
17	276.46	296.9	32B1-17	30	114	90	170*	23.1	32B2-17	30	120	120	180*	39.7	32B3-17	30	120	180	180*	61.0
18	292.55	313.0	32B1-18	30	114	90	170*	24.7	32B2-18	30	120	120	180*	44.2	32B3-18	30	120	180	180*	68.4
19	308.64	329.1	32B1-19	30	114	90	170*	26.4	32B2-19	30	134	120	200*	50.5	32B3-19	30	134	180	200*	77.8
20	324.74	345.2	32B1-20	30	120	90	180*	29.5	32B2-20	30	134	120	200*	55.5	32B3-20	30	134	180	200*	86.2
21	340.84	361.3	32B1-21	30	120	90	180*	31.4	32B2-21	30	134	120	200*	60.9	32B3-21	40	134	180	200*	95.0
22	356.96	377.5	32B1-22	30	120	90	180*	33.4	32B2-22	30	134	120	200*	66.5	32B3-22	40	134	180	200*	104
23	373.07	393.6	32B1-23	30	120	90	180*	35.4	32B2-23	30	134	120	200*	72.4	32B3-23	40	134	180	200*	114
24	389.19	409.7	32B1-24	30	120	90	180*	37.6	32B2-24	30	134	120	200*	78.5	32B3-24	40	134	180	200*	124
25	405.32	425.8	32B1-25	30	120	90	180*	39.8	32B2-25	30	134	120	200*	85.0	32B3-25	40	134	180	200*	135
26	421.45	441.9	32B1-26	30	120	90	180*	42.2	32B2-26	30	134	120	200*	91.7	32B3-26	40	134	180	200*	146
27	437.58	458.1	32B1-27	30	120	90	180*	44.6	32B2-27	30	134	120	200*	98.8	32B3-27	40	134	180	200*	158
28	453.72	474.2	32B1-28	30	120	90	180*	47.2	32B2-28	30	134	120	200*	106	32B3-28	40	134	180	200*	170
29	469.85	492.0	32B1-29	30	120	90	180*	50.1												
30	485.99	506.5	32B1-30	30	120	90	180*	52.5	32B2-30	30	134	120	200*	121	32B3-30	40	134	180	200*	196
32	518.28	538.0	32B1-32	30	120	90	180*	58.1												
35	566.72	589.5	32B1-35	30	120	90	180*	68.1												
38	615.17	635.5	32B1-38	30	120	90	180*	77.8												
40	647.47	670.3	32B1-40	30	120	90	180*	85.6												
45	728.25	751.0	32B1-45	40	146	123	218*	120	32B2-45	40	147	148	220*	284	32B3-45	40	147	207	220*	458
50	809.04	831.8	32B1-50	40	146	123	218*	142	32B2-50	40	147	148	220*	349	32B3-50	40	147	207	220*	566
57	922.16	945.0	32B1-57	40	146	123	218*	178	32B2-57	40	147	148	220*	451	32B3-57	40	147	207	220*	737
60	970.65	993.4	32B1-60	40	146	123	218*	194												
76	1229.28	1252.0	32B1-76	40	146	123	218*	296	32B2-76	40	147	148	220*	799	32B3-76	40	160	216	238*	1323

Pinions 8 to 11 teeth in Steel with min. U.T.S. 600N/mm², which can be supplied with induction hardened teeth to 45Rc. Pinions above 11 teeth are in Steel with min 410N/mm²
All Standard Stock Sprockets can be reworked to customers required bore, keyway, and setscrew requirements, on a 48 hour service.

All dimensions in mm.
† Min. toleranced bore which can be machined in sprocket.
* Sprockets with an asterisk on the hub diameter may be fabricated construction.

Double Simplex Sprockets for ⅜" to 1" Pitch Standard Roller Chains



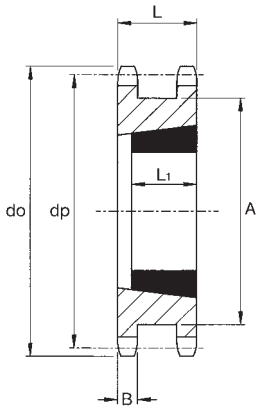
Simplex Sprocket

Chain No.	Tooth Width B
06B-1	5.3
08B-1	7.2
10B-1	9.2
ANSI 50	9.2
12B-1	11.2
16B-1	16.2

Cat. No.	No. of Teeth	Pitch Circle Ø dp	Outside Ø do	Stock Bore d H8	Max Bore† d	Hub Diameter A	Length L	Approx. Weight kg
For ⅜" Pitch Chains to ISO 606 - 06B-1								
DS06B1-14	14	42.80	46.3	10	20	31	24.3	0.17
DS06B1-15	15	45.81	49.3	10	23	34	24.3	0.20
DS06B1-16	16	48.82	52.3	10	25	37	24.3	0.23
DS06B1-17	17	51.83	55.3	10	27	40	24.3	0.27
DS06B1-18	18	54.85	58.3	10	29	43	24.3	0.31
DS06B1-19	19	57.87	61.3	10	31	46	24.3	0.35
DS06B1-20	20	60.89	64.3	10	33	49	24.3	0.39
DS06B1-21	21	63.91	68.0	12	35	52	24.3	0.45
DS06B1-23	23	69.95	73.5	12	38	58	24.3	0.55
DS06B1-25	25	76.00	80.0	12	43	64	24.3	0.67
For ½" Pitch Chains to ISO 606 - 08B-1								
DS08B1-12	12	49.07	53.0	10	24	33	31	0.29
DS08B1-13	13	53.06	57.4	10	26	37	31	0.35
DS08B1-14	14	57.07	61.8	10	27	41	31	0.43
DS08B1-15	15	61.09	65.5	10	30	45	31	0.49
DS08B1-16	16	65.10	69.5	10	34	49	31	0.58
DS08B1-17	17	69.11	73.6	12	36	53	31	0.66
DS08B1-18	18	73.14	77.8	12	38	57	31	0.75
DS08B1-19	19	77.16	81.7	12	41	62	31	0.85
DS08B1-20	20	81.19	85.8	12	44	66	31	0.96
DS08B1-21	21	85.22	89.7	14	46	70	31	1.04
DS08B1-23	23	93.27	98.2	14	51	78	31	1.28
DS08B1-25	25	101.33	105.8	14	56	86	31	1.55
For ⅝" Pitch Chains to ISO 606 - 10A-1 (ANSI 50)* and 10B-1								
DS10B1-12	12	61.34	68.0	12	30	45	36.5	0.55
DS10B1-13	13	66.32	73.0	12	34	50	36.5	0.66
DS10B1-14	14	71.34	78.0	12	36	55	36.5	0.80
DS10B1-15	15	76.36	83.0	12	40	60	36.5	0.94
DS10B1-16	16	81.37	88.0	14	43	65	36.5	1.11
DS10B1-17	17	86.38	93.0	14	46	70	36.5	1.25
DS10B1-18	18	91.42	98.3	14	50	75	36.5	1.43
DS10B1-19	19	96.45	103.3	14	54	80	36.5	1.62
DS10B1-20	20	101.49	108.4	14	58	85	36.5	1.81
DS10B1-21	21	106.52	113.4	16	60	90	36.5	2.02
DS10B1-23	23	116.58	123.4	16	65	100	36.5	2.47
DS10B1-25	25	126.66	134.0	16	72	110	36.5	2.97
For ¾" Pitch Chains to ISO 606 - 12B-1								
DS12B1-12	12	73.61	81.5	14	35	53	45	1.05
DS12B1-13	13	79.59	87.5	14	39	59	45	1.24
DS12B1-14	14	85.61	93.6	14	43	65	45	1.46
DS12B1-15	15	91.63	99.8	14	47	71	45	1.63
DS12B1-16	16	97.65	105.5	14	51	77	45	1.94
DS12B1-17	17	103.67	111.5	16	56	83	45	2.18
DS12B1-18	18	109.71	118.0	16	59	89	45	2.50
DS12B1-19	19	115.75	124.2	16	63	95	45	2.83
DS12B1-20	20	121.78	129.7	16	66	101	45	3.17
DS12B1-21	21	127.82	136.0	20	70	107	45	3.54
DS12B1-23	23	139.90	149.0	20	78	119	45	4.33
DS12B1-25	25	152.00	160.0	20	85	131	45	5.20
For 1" Pitch Chains to ISO 606 - 16B-1								
DS16B1-12	12	98.14	109.0	16	47	72	63.5	2.50
DS16B1-13	13	106.12	117.0	16	54	81	63.5	3.13
DS16B1-14	14	114.15	125.0	16	58	89	63.5	3.75
DS16B1-15	15	122.17	133.0	20	64	97	63.5	4.36
DS16B1-16	16	130.20	141.0	20	69	105	63.5	5.00
DS16B1-17	17	138.22	149.0	20	75	113	63.5	5.78
DS16B1-18	18	146.28	157.0	20	80	121	63.5	6.56
DS16B1-19	19	154.33	165.2	20	86	129	63.5	7.40
DS16B1-20	20	162.38	173.2	20	90	137	63.5	8.29
DS16B1-21	21	170.43	181.2	20	96	145	63.5	9.21
DS16B1-23	23	186.53	197.5	20	108	161	63.5	11.18
DS16B1-25	25	202.66	213.5	20	116	177	63.5	13.38

†Maximum bore sizes listed allow for B.S. Standard Key. For Plain Bore, sizes can be increased approximately 20%.
Note: Stock sprockets can be supplied finished bored, keyed and/or setscrewed to customers requirements.
Above range of Double Simplex Sprockets are stock items. Other sizes can be manufactured to order on short lead time.
*When sprockets used for ANSI 50 chain, chains must be mounted with connecting links facing away from sprocket.

Double Simplex Taper Bore Sprockets for ⅜" to 1" Pitch Roller Chains



Simplex Sprocket

Chain No.	Tooth Width B	Sprocket Width L
06B-1	5.3	23.5
08B-1	7.2	31.0
10B-1	9.2	36.5
ANSI 50	9.2	36.5
12B-1	11.2	45.0
16B-1	16.2	63.5

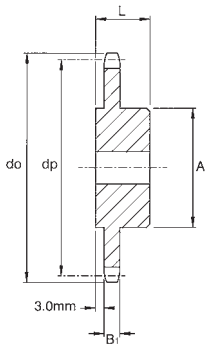
Cat. No.	No. Teeth	Pitch Circle Ø dp	Outside Ø do	Taper Bore Bush		Hub Diameter A	Length L_1	Approx. Weight kg
				Bush No.	Max. Bore			
For ⅜" Pitch Chains to ISO 606 - 06B-1								
DS06B1-18TB	18	54.85	58.3	1008	25	43	22.2	0.19
DS06B1-19TB	19	57.87	61.3	1008	25	46	22.2	0.23
DS06B1-20TB	20	60.89	64.3	1108	28	48	22.2	0.25
DS06B1-21TB	21	63.91	68.0	1108	28	52	22.2	0.31
DS06B1-23TB	23	69.95	73.5	1108	28	58	22.2	0.41
DS06B1-25TB	25	76.00	80.0	1108	28	64	22.2	0.53
For ½" Pitch Chains to ISO 606 - 08B-1								
DS08B1-15TB	15	61.09	65.5	1008	25	45	22.2	0.36
DS08B1-16TB	16	65.10	69.5	1108	28	49	22.2	0.43
DS08B1-17TB	17	69.11	73.6	1108	28	53	22.2	0.39
DS08B1-18TB	18	73.14	77.8	1210	32	58	25.4	0.48
DS08B1-19TB	19	77.16	81.7	1210	32	62	25.4	0.58
DS08B1-20TB	20	81.19	85.8	1210	32	66	25.4	0.65
DS08B1-21TB	21	85.22	89.7	1610	42	70	25.4	0.63
DS08B1-23TB	23	93.27	98.2	1610	42	78	25.4	0.87
DS08B1-25TB	25	101.33	105.8	2012	51	86	31.8	0.87
For ⅝" Pitch Chains to ISO 606 - 10A-1 (ANSI 50)* and 10B-1								
DS10B1-12TB	12	61.34	68.0	1108	28	45	22.2	0.42
DS10B1-13TB	13	66.32	73.0	1108	28	50	22.2	0.53
DS10B1-14TB	14	71.34	78.0	1108	28	55	22.2	0.67
DS10B1-15TB	15	76.36	83.0	1210	32	60	25.4	0.64
DS10B1-16TB	16	81.37	88.0	1210	32	65	25.4	0.81
DS10B1-17TB	17	86.38	93.0	1610	42	70	25.4	0.80
DS10B1-18TB	18	91.42	98.3	1610	42	75	25.4	0.98
DS10B1-19TB	19	96.45	103.3	1610	42	80	25.4	1.17
DS10B1-20TB	20	101.49	108.4	1610	42	85	25.4	1.36
DS10B1-21TB	21	106.52	113.4	2012	51	90	31.8	1.24
DS10B1-23TB	23	116.58	123.4	2012	51	100	31.8	1.69
DS10B1-25TB	25	126.66	134.0	2012	51	110	31.8	2.20
For ¾" Pitch Chains to ISO 606 - 12B-1								
DS12B1-13TB	13	79.59	87.5	1210	32	59	25.4	0.94
DS12B1-14TB	14	85.61	93.6	1210	32	65	25.4	1.16
DS12B1-15TB	15	91.63	99.8	1610	42	71	25.4	1.18
DS12B1-16TB	16	97.65	105.5	1610	42	77	25.4	1.49
DS12B1-17TB	17	103.67	111.5	1610	42	83	25.4	1.73
DS12B1-18TB	18	109.71	118.0	2012	51	89	31.8	1.62
DS12B1-19TB	19	115.75	124.2	2012	51	95	31.8	1.95
DS12B1-20TB	20	121.78	129.7	2517	65	101	44.5	1.70
DS12B1-21TB	21	127.82	136.0	2517	65	107	44.5	2.05
DS12B1-23TB	23	139.90	149.0	2517	65	119	44.5	2.85
DS12B1-25TB	25	152.00	160.0	2517	65	131	44.5	3.75
For 1" Pitch Chains to ISO 606 - 16B-1								
DS16B1-12TB	12	98.14	109.0	1615	42	72	38.1	1.90
DS16B1-13TB	13	106.12	117.0	1615	42	81	38.1	2.50
DS16B1-14TB	14	114.15	125.0	2012	51	88	31.8	2.50
DS16B1-15TB	15	122.17	133.0	2012	51	97	31.8	3.10
DS16B1-16TB	16	130.20	141.0	2012	51	104	31.8	3.75
DS16B1-17TB	17	138.22	149.0	2517	65	113	44.5	3.90
DS16B1-18TB	18	146.28	157.0	2517	65	121	44.5	4.70
DS16B1-19TB	19	154.33	165.2	2517	65	129	44.5	5.50
DS16B1-20TB	20	162.38	173.2	3020	76	137	50.8	5.15
DS16B1-21TB	21	170.43	181.2	3020	76	145	50.8	6.05
DS16B1-23TB	23	186.53	197.5	3525	90	161	63.5	7.20
DS16B1-25TB	25	202.66	213.5	3525	90	177	63.5	9.40

All dimensions in mm. Details Taper Bore Bushes refer to pp 38/39.
*When sprockets used for ANSI 50 chain, chains must be mounted with connecting links facing away from sprocket.

Original T. D. Cross Sprockets

To suit Chain Types 06B-1, 08B-1 and 10B-1.

These sprockets are to original T. D. Cross & Sons dimensions with a small boss on the face side of the sprocket to act as spacer. All sprockets are now manufactured in medium carbon steel for improved wear life, and are suitable for induction hardening.



Sprocket Type	H11A	H11C	H11D
Chain Reference	08B-1	10B-1	06B-1
Chain Size	1/2" X 5/16"	5/8" X 3/8"	3/8" X 7/32"
Roller Diameter	8.51mm	10.16mm	6.35mm
Tooth Width	7.2mm	9.0mm	5.3mm

Sprocket Series H11D for ⅜" Pitch Chain to ISO Ref. 06B-1

Cat No.	No. Teeth	Pitch Circle Ø dp	Outside Ø do max.	Stock Bore d H8	Max. Bore d max.	Hub dia. A	Length L	App. Weight kg
H11D-09	9	27.85	31.7	9.53	10	15.9	25.4	0.04
H11D-10	10	30.82	34.8	9.53	12	19.0	25.4	0.05
H11D-11	11	33.80	37.9	9.53	14	22.2	25.4	0.07
H11D-12	12	36.80	40.9	9.53	17	25.4	25.4	0.10
H11D-13	13	39.79	43.9	9.53	19	28.6	25.4	0.13
H11D-14	14	42.80	46.7	9.53	21	31.8	25.4	0.17
H11D-15	15	45.81	49.8	9.53	22	33.3	25.4	0.18
H11D-16	16	48.82	52.8	12.70	24	35.0	25.4	0.19
H11D-17	17	51.83	55.9	12.70	24	35.0	25.4	0.20
H11D-18	18	54.85	58.9	12.70	24	35.0	25.4	0.28
H11D-19	19	57.87	62.0	12.70	31	47.0	25.4	0.32
H11D-20	20	60.89	65.0	12.70	31	47.0	25.4	0.33
H11D-21	21	63.91	67.8	12.70	31	47.0	25.4	0.37
H11D-22	22	66.93	70.9	12.70	36	54.0	25.4	0.46
H11D-23	23	69.95	73.9	12.70	36	54.0	25.4	0.48
H11D-24	24	72.97	77.0	12.70	36	54.0	25.4	0.49
H11D-25	25	76.00	80.0	12.70	36	54.0	25.4	0.50
H11D-26	26	79.02	83.1	12.70	36	54.0	25.4	0.52
H11D-27	27	82.05	86.1	12.70	36	54.0	25.4	0.53
H11D-28	28	85.07	89.2	12.70	36	54.0	25.4	0.55
H11D-29	29	88.09	92.2	12.70	36	54.0	25.4	0.57
H11D-30	30	91.12	95.3	12.70	36	54.0	25.4	0.59

Sprocket Series H11A for ½" Pitch Narrow Series Chain Ref. 08B-1

Cat No.	No. Teeth	Pitch Circle Ø dp	Outside Ø do max.	Stock Bore d H8	Max. Bore d max.	Hub dia. A	Length L	App. Weight kg
H11A-10	10	41.10	46.3	12.70	18	27.0	25.4	0.11
H11A-11	11	45.07	50.3	12.70	18	27.0	25.4	0.14
H11A-12	12	49.07	54.4	12.70	24	35.0	25.4	0.18
H11A-13	13	53.06	58.2	12.70	24	35.0	25.4	0.24
H11A-14	14	57.07	62.3	12.70	27	41.3	25.4	0.29
H11A-15	15	61.09	66.3	12.70	31	47.0	25.4	0.36
H11A-16	16	65.10	70.4	12.70	31	47.0	25.4	0.41
H11A-17	17	69.11	74.5	12.70	36	54.0	25.4	0.47
H11A-18	18	73.14	78.3	12.70	36	54.0	25.4	0.52
H11A-19	19	77.16	82.3	12.70	36	54.0	25.4	0.53
H11A-20	20	81.19	86.4	12.70	36	54.0	25.4	0.56
H11A-21	21	85.22	90.5	12.70	46	70.0	25.4	0.59
H11A-22	22	89.24	94.5	12.70	46	70.0	25.4	0.62
H11A-23	23	93.27	98.6	12.70	46	70.0	25.4	0.65
H11A-24	24	97.29	102.6	12.70	46	70.0	25.4	0.68
H11A-25	25	101.33	106.5	12.70	46	70.0	25.4	0.72
H11A-26	26	105.36	110.5	12.70	46	70.0	25.4	0.76
H11A-27	27	109.40	114.6	19.05	46	70.0	31.8	1.03
H11A-28	28	113.42	118.6	19.05	46	70.0	31.8	1.06
H11A-29	29	117.46	122.7	19.05	46	70.0	31.8	1.22
H11A-30	30	121.50	126.8	19.05	46	70.0	31.8	1.30

Sprocket Series H11C for ⅝" Pitch Chain to ISO Ref. 10B-1

Cat No.	No. Teeth	Pitch Circle Ø dp	Outside Ø do max.	Stock Bore d H8	Max. Bore d max.	Hub dia. A	Length L	App. Weight kg
H11C-10	10	51.37	58.9	12.70	23	34.9	25.4	0.22
H11C-11	11	56.34	64.0	12.70	26	38.1	25.4	0.27
H11C-12	12	61.34	68.8	12.70	30	44.5	25.4	0.35
H11C-13	13	66.32	73.9	12.70	31	47.0	25.4	0.44
H11C-14	14	71.34	79.0	12.70	36	54.0	25.4	0.52
H11C-15	15	76.36	83.8	12.70	36	54.0	25.4	0.56
H11C-16	16	81.37	88.9	12.70	36	54.0	25.4	0.60
H11C-17	17	86.39	94.0	12.70	36	54.0	25.4	0.63
H11C-18	18	91.42	99.1	12.70	36	54.0	25.4	0.69
H11C-19	19	96.45	104.2	12.70	46	70.0	25.4	0.74
H11C-20	20	101.49	109.0	12.70	46	70.0	25.4	0.79
H11C-21	21	106.52	114.1	12.70	46	70.0	25.4	0.85
H11C-22	22	111.55	119.2	12.70	46	70.0	25.4	0.91
H11C-23	23	116.58	124.2	19.05	46	70.0	31.8	1.30
H11C-24	24	121.62	129.3	19.05	46	70.0	31.8	1.39
H11C-25	25	126.66	134.4	19.05	46	70.0	31.8	1.43
H11C-26	26	131.70	139.2	25.40	68	102.0	38.1	1.78
H11C-27	27	136.75	144.3	25.40	68	102.0	38.1	2.22
H11C-28	28	141.78	149.4	25.40	68	102.0	38.1	2.73
H11C-29	29	146.83	153.8	25.40	68	102.0	38.1	2.80
H11C-30	30	151.87	158.8	25.40	68	102.0	38.1	2.88

All dimensions in mm. Stock Sprockets can be reworked to customers bore and keyway requirements.

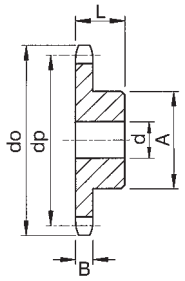
Standard Stainless Steel Sprockets for ⅜" to 1" Pitch British Standard Chains

Conforming to ISO Std 606

A standard stock range of pilot bore Sprockets manufactured in type 304L Stainless Steel for high corrosion resistance. These Sprockets are suitable for corrosive enviroments, including the high temperature and moisture conditions found in many food process and packaging operations. They will also withstand many alkaline and acidic fluids even at elevated temperatures.
These Sprockets are the ideal choice to operate with Stainless Steel Chains or Plated Chains.

Sprockets for 06B-1 Chains

Cat No.	No of Teeth	Pitch Circle Ø dp	Outside Ø do	Min Bore d	Max. Bore d	L.T.B. L	Hub Ø A	Approx Weight kg
06S1-12	12	36.80	40.0	8	16	25	25	0.10
06S1-13	13	39.80	43.0	10	19	25	28	0.12
06S1-14	14	42.81	46.3	10	20	25	31	0.15
06S1-15	15	45.81	49.3	10	23	25	34	0.18
06S1-16	16	48.83	52.3	10	25	28	37	0.24
06S1-17	17	51.83	55.3	10	27	28	40	0.28
06S1-18	18	54.85	58.3	10	29	28	43	0.32
06S1-19	19	57.87	61.3	10	30	28	45	0.36
06S1-20	20	60.89	64.3	10	31	28	46	0.38
06S1-21	21	63.91	68.0	12	32	28	48	0.42
06S1-22	22	66.93	71.0	12	34	28	50	0.45
06S1-23	23	69.95	73.5	12	35	28	52	0.49
06S1-24	24	72.97	77.0	12	36	28	54	0.54
06S1-25	25	76.00	80.0	12	38	28	57	0.60
06S1-30	30	91.13	94.7	12	40	28	60	0.77



Chain No	Pitch Inches	Tooth Width B
06B-1	⅜	5.3
08B-1	½	7.2
10B-1	⅝	9.2
ANSI 50	⅝	9.2
12B-1	¾	11.2
16B-1	1	16.2

Sprockets for 08B-1 Chains

Cat No.	No of Teeth	Pitch Circle Ø dp	Outside Ø do	Min Bore d	Max. Bore d	L.T.B. L	Hub Ø A	Approx Weight kg
08S1-12	12	49.07	53.0	10	22	28	33	0.20
08S1-13	13	53.07	57.4	10	25	28	37	0.25
08S1-14	14	57.07	61.8	10	27	28	41	0.31
08S1-15	15	61.08	65.5	10	30	28	45	0.38
08S1-16	16	65.10	69.5	12	34	28	50	0.45
08S1-17	17	69.12	73.6	12	35	28	52	0.50
08S1-18	18	73.14	77.8	12	37	28	56	0.58
08S1-19	19	77.16	81.7	12	40	28	60	0.66
08S1-20	20	81.18	85.8	12	43	28	64	0.75
08S1-21	21	85.21	89.7	14	45	28	68	0.84
08S1-22	22	89.24	93.8	14	46	28	70	0.91
08S1-23	23	93.27	98.2	14	46	28	70	0.93
08S1-24	24	97.30	101.8	14	46	28	70	0.96
08S1-25	25	101.33	105.8	14	46	28	70	0.99
08S1-26	26	105.36	110.0	16	46	30	70	1.08
08S1-27	27	109.40	114.0	16	46	30	70	1.11
08S1-30	30	121.50	126.1	16	54	30	80	1.44
08S1-34	34	137.64	142.6	16	60	30	90	1.86
08S1-38	38	153.79	158.6	20	60	35	90	2.27
08S1-40	40	161.87	166.8	20	60	35	90	2.38

Sprockets for 010B-1 and ANSI 50 Chains

Cat No.	No of Teeth	Pitch Circle Ø dp	Outside Ø do	Min Bore d	Max. Bore d	L.T.B. L	Hub Ø A	Approx Weight kg
10S1-10	10	51.37	57.5	10	24	25	35	0.22
10S1-11	11	56.35	63.0	12	25	30	37	0.30
10S1-12	12	61.34	68.0	12	28	30	42	0.38
10S1-13	13	66.33	73.0	12	31	30	47	0.47
10S1-14	14	71.34	78.0	12	35	30	52	0.57
10S1-15	15	76.35	83.0	12	38	30	57	0.67
10S1-16	16	81.37	88.0	14	40	30	60	0.76
10S1-17	17	86.39	93.0	14	40	30	60	0.80
10S1-18	18	91.42	98.3	14	46	30	70	1.01
10S1-19	19	96.45	103.3	14	46	30	70	1.06
10S1-20	20	101.48	108.4	14	50	30	75	1.21
10S1-21	21	106.51	113.4	16	50	30	75	1.25
10S1-22	22	111.55	118.0	16	54	30	80	0.63
10S1-23	23	116.59	123.4	16	54	30	80	1.47
10S1-24	24	121.62	128.3	16	54	30	80	1.53
10S1-25	25	126.66	134.0	16	54	30	80	1.61
10S1-26	26	131.70	139.0	20	57	35	85	1.97
10S1-30	30	151.87	158.8	20	60	35	90	2.41
10S1-35	35	177.10	184.1	20	63	35	95	3.01

Sprockets for 012B-1 Chains

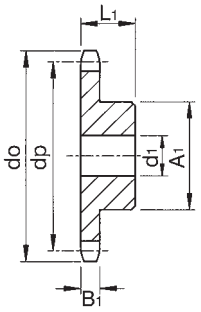
Cat No.	No of Teeth	Pitch Circle Ø dp	Outside Ø do	Min Bore d	Max. Bore d	L.T.B. L	Hub Ø A	Approx Weight kg
12S1-11	11	67.62	75.0	14	31	35	46	0.52
12S1-12	12	73.60	81.5	14	35	35	52	0.67
12S1-13	13	79.60	87.5	14	38	35	58	0.82
12S1-14	14	85.61	93.6	14	43	35	64	0.99
12S1-15	15	91.63	99.8	14	46	35	70	1.18
12S1-16	16	97.65	105.5	16	50	35	75	1.34
12S1-17	17	103.67	111.5	16	54	35	80	1.54
12S1-18	18	109.70	118.0	16	54	35	80	1.63
12S1-19	19	115.74	124.2	16	54	35	80	1.72
12S1-20	20	121.78	129.7	16	54	35	80	1.80
12S1-21	21	127.82	136.0	20	60	40	90	2.36
12S1-22	22	133.86	141.8	20	60	40	90	2.46
12S1-23	23	139.90	149.0	20	60	40	90	2.59
12S1-24	24	145.95	153.9	20	60	40	90	1.26
12S1-25	25	151.99	160.0	20	60	40	90	2.80
12S1-27	27	164.09	172.3	20	63	40	95	3.22
12S1-30	30	182.25	190.5	20	63	40	95	3.63

Sprockets for 016B-1 Chains

Cat No.	No of Teeth	Pitch Circle Ø dp	Outside Ø do	Min. Bore d	Max. Bore d	L.T.B. L	Hub Ø A	Approx Weight kg
16S1-12	12	98.14	109.0	16	46	40	69	1.46
16S1-13	13	106.14	117.0	16	52	40	78	1.80
16S1-14	14	114.15	125.0	16	56	40	84	2.11
16S1-15	15	122.17	133.0	16	61	40	92	2.49
16S1-16	16	130.20	141.0	20	67	45	100	3.16
16S1-17	17	138.23	149.0	20	67	45	100	3.36
16S1-18	18	146.27	157.0	20	67	45	100	3.58
16S1-19	19	154.32	165.2	20	67	45	100	3.81
16S1-20	20	162.37	173.2	20	67	45	100	4.05
16S1-21	21	170.42	181.2	20	74	50	110	5.03
16S1-22	22	178.48	189.3	20	74	50	110	5.30
16S1-23	23	186.54	197.5	20	74	50	110	5.59
16S1-24	24	194.60	205.5	20	74	50	110	5.88
16S1-25	25	202.66	213.5	20	74	50	110	6.18
16S1-30	30	243.00	254.0	20	80	50	120	8.40

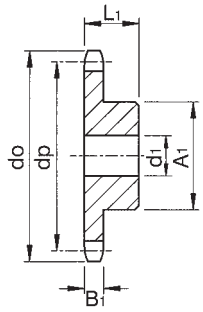
Standard Sprockets for ¼" & ½" Pitch American Standard Chains

Refs ANSI 25 & 41



ANSI 25 (ISO Ref 04A)
Simplex Sprockets

Chain No.	ANSI 25
Pitch	6.35mm
Bush Dia.	3.30mm
Inside Width	3.18mm
Overall Width	8.80mm
Tooth Width B_1	2.9mm



ANSI 41 (ISO Ref 085)
Simplex Sprockets

Chain No.	ANSI 41
Pitch	12.7mm
Roller Dia.	7.77mm
Inside Width	6.35mm
Overall Width	16.0mm
Tooth Width B_1	5.9mm

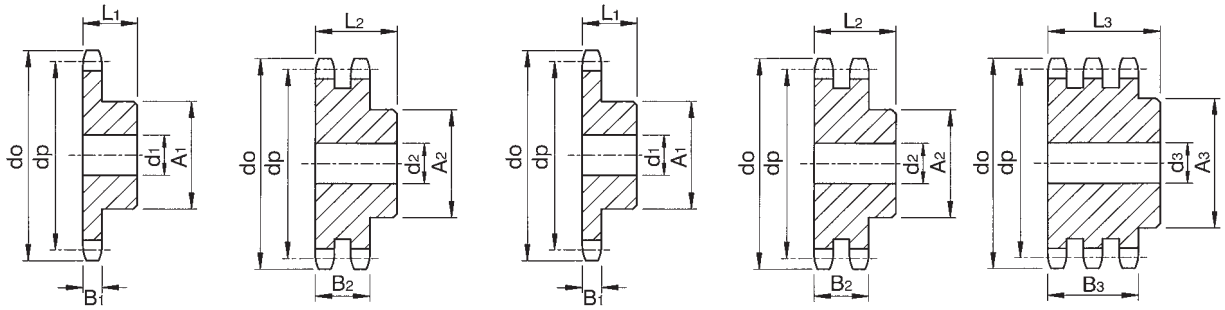
No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket Cat No.	Min. † bore d_1	Max. bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg
8	16.59	19.4	25B1-08	6	6.7	12	10.0	0.005
9	18.57	21.4	25B1-09	6	7.7	12	11.5	0.008
10	20.55	23.3	25B1-10	6	8.7	12	13.0	0.011
11	22.54	25.3	25B1-11	8	10.0	13	15.0	0.014
12	24.54	27.3	25B1-12	8	11.4	13	17.0	0.020
13	26.53	29.3	25B1-13	8	11.4	13	17.0	0.021
14	28.54	31.3	25B1-14	8	11.4	13	17.0	0.023
15	30.54	33.3	25B1-15	8	13.4	13	20.0	0.031
16	32.55	35.3	25B1-16	8	14.7	14	22.0	0.041
17	34.56	37.3	25B1-17	8	14.7	14	22.0	0.043
18	36.57	39.4	25B1-18	8	16.8	14	25.0	0.055
19	38.58	41.4	25B1-19	8	16.8	14	25.0	0.057
20	40.60	43.4	25B1-20	8	16.8	14	25.0	0.060
21	42.61	45.4	25B1-21	8	20.0	14	30.0	0.081
22	44.62	47.4	25B1-22	8	20.0	14	30.0	0.084
23	46.63	49.4	25B1-23	8	20.0	14	30.0	0.087
24	48.65	51.4	25B1-24	8	20.0	14	30.0	0.090
25	50.67	53.4	25B1-25	8	20.0	14	30.0	0.093
26	52.68	55.5	25B1-26	8	20.0	16	30.0	0.107
27	54.70	57.5	25B1-27	8	20.0	16	30.0	0.111
28	56.71	59.5	25B1-28	8	20.0	16	30.0	0.114
29	58.73	61.5	25B1-29	8	20.0	16	30.0	0.118
30	60.75	63.6	25B1-30	8	20.0	16	30.0	0.122
31	62.77	65.6	25B1-31	8	20.0	16	30.0	0.126
32	64.78	67.6	25B1-32	8	20.0	16	30.0	0.130
33	66.80	69.6	25B1-33	8	20.0	16	30.0	0.135
34	68.82	71.6	25B1-34	8	20.0	16	30.0	0.139
35	70.84	73.6	25B1-35	8	20.0	16	30.0	0.144
36	72.86	75.6	25B1-36	8	20.0	16	30.0	0.149
37	74.88	77.7	25B1-37	8	20.0	16	30.0	0.154
38	76.90	79.7	25B1-38	8	20.0	16	30.0	0.159
39	78.92	81.7	25B1-39	8	20.0	16	30.0	0.164
40	80.94	83.7	25B1-40	8	20.0	16	30.0	0.169

No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket Cat No.	Min. † bore d_1	Max. bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg
8	33.19	38.5	41B1-08	10	13.4	25	20	0.06
9	37.14	41.5	41B1-09	10	16.0	25	24	0.09
10	41.10	46.2	41B1-10	10	17.4	25	26	0.12
11	45.07	49.6	41B1-11	10	19.5	25	29	0.14
12	49.07	53.9	41B1-12	10	22.0	28	33	0.21
13	53.06	58.4	41B1-13	10	24.8	28	37	0.26
14	57.08	62.8	41B1-14	10	27.5	28	41	0.32
15	61.09	66.8	41B1-15	10	30.0	28	45	0.38
16	65.10	70.9	41B1-16	12	33.5	28	50	0.46
17	69.11	74.9	41B1-17	12	35.0	28	52	0.50
18	73.14	78.9	41B1-18	12	37.5	28	56	0.58
19	77.16	82.9	41B1-19	12	40.0	28	60	0.67
20	81.19	86.9	41B1-20	12	43.0	28	64	0.76
21	85.22	91.0	41B1-21	14	45.5	28	68	0.84
22	89.24	95.0	41B1-22	14	47.0	28	70	0.90
23	93.27	99.0	41B1-23	14	47.0	28	70	0.93
24	97.29	103.0	41B1-24	14	47.0	28	70	0.96
25	101.33	107.1	41B1-25	14	47.0	28	70	0.99
26	105.36	111.2	41B1-26	16	47.0	30	70	1.06
27	109.40	115.4	41B1-27	16	47.0	30	70	1.09
28	113.43	119.4	41B1-28	16	47.0	30	70	1.13
29	117.46	123.4	41B1-29	16	54.0	30	80	1.38
30	121.50	127.5	41B1-30	16	54.0	30	80	1.42
31	125.54	131.5	41B1-31	16	60.0	30	90	1.70
32	129.57	135.5	41B1-32	16	60.0	30	90	1.74
33	133.61	139.6	41B1-33	16	60.0	30	90	1.78
34	137.64	143.6	41B1-34	16	60.0	30	90	1.82
35	141.68	147.6	41B1-35	16	60.0	30	90	1.86
36	145.72	151.7	41B1-36	16	60.0	35	90	2.14
37	149.76	155.7	41B1-37	16	60.0	35	90	2.18
38	153.80	159.8	41B1-38	16	60.0	35	90	2.23
39	157.84	163.8	41B1-39	16	60.0	35	90	2.27
40	161.88	167.8	41B1-40	16	60.0	35	90	2.32

All dimensions in mm. † Minimum toleranced bore which can be machined in sprocket
Pinions 10 to 40 teeth in Steel with min. U.T.S. 600N/mm², which can be supplied with induction hardened teeth to 45Rc.
All Standard Stock Sprockets can be reworked to customers required bore, keyway, and setscrew requirements, on a 48 hour service.
Sprockets with other teeth sizes can be supplied to order.
Chain type 08L (refer page 16) can also run on ANSI 41 sprockets.
Multi-strand sprockets to suit ANSI 25-2 and ANSI 25-3 can be supplied to order.
Also available as platewheels. Contact us for details.

Standard Sprockets for ⅜" & ½" Pitch American Standard Chains

Refs ANSI 35 & 40



	ANSI 35 (ISO Ref 06C)		ANSI 40 (ISO Ref 08A)		
	Simplex Sprockets	Duplex Sprockets	Simplex Sprockets	Duplex Sprockets	Triplex Sprockets
Chain No.	ANSI 35	ANSI 35-2	ANSI 40	ANSI 40-2	ANSI 40-3
Pitch	9.53mm	9.53mm	12.70mm	12.70mm	12.70mm
Roller Dia.	5.08mm	5.08mm	7.95mm	7.95mm	7.95mm
Inside Width	4.77mm	4.77mm	7.85mm	7.85mm	7.85mm
Overall Width	14.70mm	22.90mm	19.00mm	32.00mm	47.00mm
Tooth Width B	4.40mm	14.20mm	7.30mm	21.40mm	35.70mm

No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket						Duplex Sprocket						Triplex Sprocket					
			Cat No.	Min. † bore d_1	Max. bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg	Cat No.	Min. † bore d_1	Max. bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg	Cat No.	Min. † bore d_1	Max. bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg
ANSI 35 Sprockets																				
10	30.82	35.7	35B1-10	8	13	22	20	0.06												
11	33.80	38.7	35B1-11	8	15	25	22	0.08												
12	36.80	41.7	35B1-12	8	17	25	25	0.11												
13	39.80	44.7	35B1-13	10	19	25	28	0.13	35B2-13	10	19	25	28	0.15						
14	42.81	47.7	35B1-14	10	21	25	31	0.16	35B2-14	10	20	25	31	0.18						
15	45.81	50.7	35B1-15	10	23	25	34	0.19	35B2-15	10	23	25	34	0.21						
16	48.83	53.7	35B1-16	10	25	28	38	0.26	35B2-16	12	25	30	37	0.28						
17	51.83	56.7	35B1-17	10	25	28	38	0.27	35B2-17	12	27	30	40	0.33						
18	54.85	59.7	35B1-18	10	25	28	38	0.27	35B2-18	12	29	30	43	0.38						
19	57.87	62.7	35B1-19	10	31	28	46	0.38	35B2-19	12	31	30	46	0.43						
20	60.89	65.8	35B1-20	10	31	28	46	0.39	35B2-20	12	33	30	49	0.49						
21	63.91	68.8	35B1-21	10	31	28	46	0.37	35B2-21	16	35	30	52	0.46						
22	66.93	71.8	35B1-22	12	35	28	52	0.49	35B2-22	16	37	30	55	0.59						
23	69.95	74.8	35B1-23	12	35	28	52	0.50	35B2-23	16	38	30	58	0.66						
24	72.97	77.9	35B1-24	12	35	28	52	0.51	35B2-24	16	41	30	61	0.73						
25	76.00	80.9	35B1-25	12	39	28	58	0.51	35B2-25	16	43	30	64	0.59						
26	79.02	83.9	35B1-26	12	39	28	58	0.63	35B2-26	16	45	30	67	0.88						
27	82.05	86.9	35B1-27	12	39	28	58	0.65	35B2-27	16	47	30	70	0.96						
28	85.07	89.9	35B1-28	12	40	28	60	0.69	35B2-28	16	49	30	73	1.04						
30	91.13	96.0	35B1-30	12	40	28	60	0.77												
ANSI 40 Sprockets																				
10	41.10	47.7	40B1-10	10	17	25	26	0.13												
11	45.08	51.6	40B1-11	10	19	25	29	0.16												
12	49.07	55.6	40B1-12	10	23	28	35	0.24							40B3-12	14	23	50	35	0.44
13	53.07	59.6	40B1-13	10	23	28	35	0.25	40B2-13	12	25	35	38	0.38	40B3-13	14	25	50	38	0.53
14	57.07	63.6	40B1-14	10	23	28	35	0.27	40B2-14	12	28	35	42	0.46	40B3-14	14	28	50	42	0.65
15	61.08	67.6	40B1-15	10	32	28	48	0.43	40B2-15	12	31	35	46	0.54	40B3-15	14	31	50	46	0.77
16	65.10	71.7	40B1-16	10	32	28	48	0.45	40B2-16	14	34	35	50	0.62	40B3-16	16	34	50	50	0.88
17	69.12	75.7	40B1-17	10	32	28	48	0.48	40B2-17	14	36	35	54	0.72	40B3-17	16	36	50	54	1.03
18	73.14	79.7	40B1-18	12	40	28	60	0.66	40B2-18	14	39	35	58	0.83	40B3-18	16	39	50	58	1.18
19	77.16	83.7	40B1-19	12	40	28	60	0.69	40B2-19	14	42	35	62	0.94	40B3-19	16	42	50	62	1.34
20	81.18	87.7	40B1-20	12	40	28	60	0.71	40B2-20	14	44	35	66	1.06	40B3-20	16	44	50	66	1.51
21	85.21	91.8	40B1-21	12	44	28	65	0.82	40B2-21	16	47	40	70	1.32	40B3-21	20	47	55	70	1.79
22	89.24	95.8	40B1-22	12	44	28	65	0.85	40B2-22	16	47	40	70	1.41	40B3-22	20	47	55	70	1.93
23	93.27	99.8	40B1-23	12	44	28	65	0.88	40B2-23	16	47	40	70	1.50	40B3-23	20	47	55	70	2.08
24	97.30	103.9	40B1-24	14	47	28	70	1.00	40B2-24	16	50	40	75	1.68	40B3-24	20	50	55	75	2.33
25	101.33	107.9	40B1-25	14	47	28	70	1.03	40B2-25	16	54	40	80	1.86	40B3-25	20	54	55	80	2.58
26	105.36	111.9	40B1-26	14	47	28	70	1.07	40B2-26	20	57	40	85	2.03	40B3-26	20	57	55	85	2.85
27	109.40	116.0	40B1-27	16	47	30	70	1.15	40B2-27	20	57	40	85	2.14	40B3-27	20	57	55	85	3.03
28	113.43	120.0	40B1-28	16	47	30	70	1.19	40B2-28	20	60	40	90	2.35	40B3-28	20	60	55	90	3.32
30	121.50	128.1	40B1-30	16	54	30	80	1.48	40B2-30	20	67	40	100	2.80						
32	129.57	136.1	40B1-32	16	54	30	80	1.57												
35	141.68	148.2	40B1-35	16	60	30	90	1.96												
36	145.72	152.3	40B1-36	16	60	30	90	2.01												
38	153.79	160.4	40B1-38	16	60	35	90	2.36												
40	161.87	168.4	40B1-40	16	60	35	90	2.47												

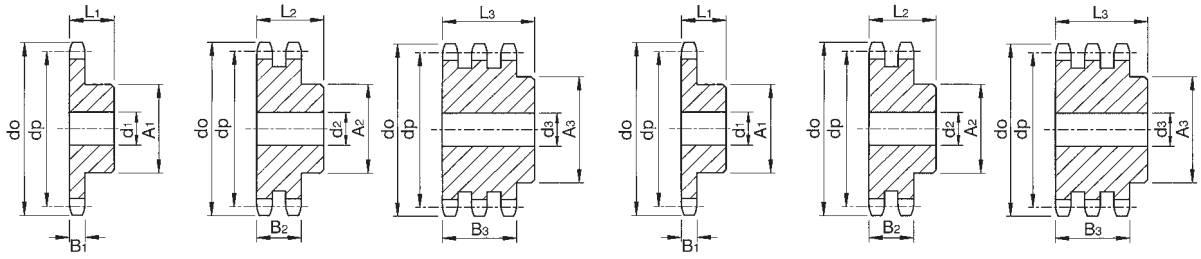
All dimensions in mm. † Minimum toleranced bore which can be machined in sprocket

Pinions 10 to 40 teeth in Steel with min. U.T.S. 600N/mm², which can be supplied with induction hardened teeth to 45Rc.

All Standard Stock Sprockets can be reworked to customers required bore, keyway, and setscrew requirements, on a 48 hour service. Sprockets with other teeth sizes can be supplied to order. Also available as platewheels. Contact us for details.

Standard Sprockets for ⅝", ¾" Pitch American Standard Roller Chains

Refs ANSI 50 & 60



ANSI 50 (ISO Ref 10A)
Simplex Sprockets Duplex Sprockets Triplex Sprockets

ANSI 60 (ISO Ref 12A)
Simplex Sprockets Duplex Sprockets Triplex Sprockets

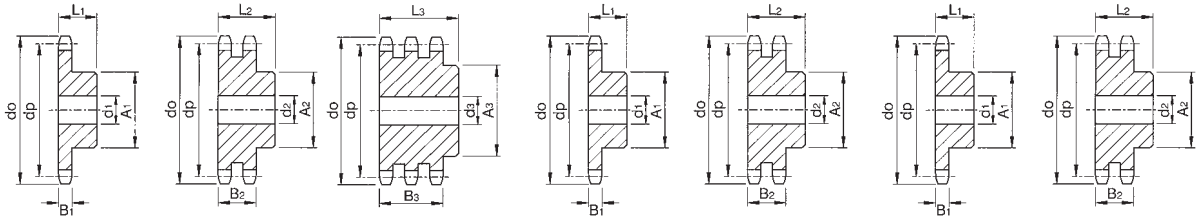
Chain No.	ANSI 50	ANSI 50-2	ANSI 50-3	ANSI 60	ANSI 60-2	ANSI 60-3
Pitch	15.88mm	15.88mm	15.88mm	19.05mm	19.05mm	19.05mm
Roller Dia.	10.16mm	10.16mm	10.16mm	11.91mm	11.91mm	11.91mm
Inside Width	9.40mm	9.40mm	9.40mm	12.60mm	12.60mm	12.60mm
Overall Width	24.40mm	40.40mm	58.80mm	28.80mm	50.50mm	73.60mm
Tooth Width B	9.00mm	26.90mm	45.00mm	12.00mm	34.60mm	57.40mm

No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket						Duplex Sprocket						Triplex Sprocket					
			Cat No.	Min. † bore d_1	Max. bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg	Cat No.	Min. † bore d_1	Max. bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg	Cat No.	Min. † bore d_1	Max. bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg
ANSI 50 Sprockets																				
8	41.48	47.0	50B1-08	10	16	25	25	0.11												
9	46.42	52.6	50B1-09	10	20	25	30	0.17												
10	51.37	57.5	50B1-10	10	24	25	35	0.22												
11	56.35	63.0	50B1-11	12	25	30	37	0.30												
12	61.34	68.0	50B1-12	12	28	30	42	0.38							50B3-12	16	29	55	44	0.75
13	66.33	73.0	50B1-13	12	31	30	47	0.47	50B2-13	14	32	40	49	0.68	50B3-13	16	33	55	49	0.93
14	71.34	78.0	50B1-14	12	35	30	52	0.56	50B2-14	14	36	40	54	0.82	50B3-14	16	36	55	54	1.12
15	76.35	83.0	50B1-15	12	38	30	57	0.67	50B2-15	14	39	40	59	0.97	50B3-15	16	39	55	59	1.33
16	81.37	88.0	50B1-16	12	40	30	60	0.76	50B2-16	16	43	45	64	1.24	50B3-16	16	43	60	64	1.68
17	86.39	93.0	50B1-17	12	40	30	60	0.80	50B2-17	16	46	45	69	1.44	50B3-17	16	46	60	69	1.94
18	91.42	98.3	50B1-18	14	46	30	70	1.01	50B2-18	16	49	45	74	1.65	50B3-18	16	49	60	74	2.23
19	96.45	103.3	50B1-19	14	46	30	70	1.06	50B2-19	16	53	45	79	1.88	50B3-19	16	53	60	79	2.54
20	101.48	108.4	50B1-20	14	50	30	75	1.21	50B2-20	16	56	45	84	2.12	50B3-20	16	56	60	84	2.86
21	106.51	113.4	50B1-21	16	50	30	75	1.25	50B2-21	16	57	45	85	2.30	50B3-21	20	57	60	85	3.09
22	111.55	11.0	50B1-22	16	54	30	80	0.64	50B2-22	16	60	45	90	1.02	50B3-22	20	60	60	90	1.13
23	116.59	123.4	50B1-23	16	54	30	80	1.47	50B2-23	16	63	45	95	2.84	50B3-23	20	63	60	95	3.82
24	121.62	128.3	50B1-24	16	54	30	80	1.53	50B2-24	16	67	45	100	3.13	50B3-24	20	67	60	100	4.21
25	126.66	134.0	50B1-25	16	54	30	80	1.61	50B2-25	16	70	45	105	3.45	50B3-25	20	70	60	105	4.65
26	131.70	139.0	50B1-26	20	57	35	85	1.97							50B3-26	20	74	60	110	5.08
27	136.75	144.0	50B1-27	20	57	35	85	2.04							50B3-27	20	74	60	110	5.44
28	141.79	148.7	50B1-28	20	60	35	90	2.25							50B3-28	20	77	60	115	5.88
29	146.83	153.8	50B1-29	20	60	35	90	2.33												
30	151.87	158.8	50B1-30	20	60	35	90	2.41												
31	156.92	163.9	50B1-31	20	63	35	95	2.64												
32	161.96	168.9	50B1-32	20	63	35	95	2.72												
33	167.01	174.5	50B1-33	20	63	35	95	2.82												
34	172.05	179.0	50B1-34	20	63	35	95	2.90												
35	177.10	184.1	50B1-35	20	63	35	95	3.00												
36	182.15	189.1	50B1-36	20	67	35	100	3.25												
37	187.19	194.2	50B1-37	20	67	35	100	3.36												
38	192.24	199.2	50B1-38	20	67	35	100	3.46												
39	197.29	204.2	50B1-39	20	67	35	100	3.56												
40	202.33	209.3	50B1-40	20	67	35	100	3.67												
ANSI 50 Sprockets																				
10	61.65	71.5	60B1-10	12	28	30	42	0.42	60B2-10	12	28	45	42	0.67						
11	67.62	77.5	60B1-11	14	31	35	46	0.56	60B2-11	16	31	50	47	0.86						
12	73.60	83.5	60B1-12	14	35	35	52	0.70	60B2-12	16	35	50	53	1.08	60B3-12	20	35	70	53	1.46
13	79.60	89.5	60B1-13	14	38	35	58	0.86	60B2-13	16	39	50	59	1.31	60B3-13	20	39	70	59	1.80
14	85.61	95.5	60B1-14	14	43	35	64	1.03	60B2-14	16	43	50	65	1.57	60B3-14	20	43	70	65	2.16
15	91.63	101.5	60B1-15	14	46	35	70	1.22	60B2-15	16	47	50	71	1.85	60B3-15	20	47	70	71	2.55
16	97.65	107.5	60B1-16	16	50	35	75	1.39	60B2-16	20	51	50	77	2.11	60B3-16	20	51	70	77	2.98
17	103.67	113.6	60B1-17	16	54	35	80	1.59	60B2-17	20	56	50	83	2.43	60B3-17	20	56	70	83	3.44
18	109.70	119.6	60B1-18	16	54	35	80	1.68	60B2-18	20	59	50	89	2.78	60B3-18	20	59	70	89	3.93
19	115.74	125.6	60B1-19	16	54	35	80	1.77	60B2-19	20	63	50	95	3.15	60B3-19	20	63	70	95	4.45
20	121.78	131.7	60B1-20	16	54	35	80	1.88	60B2-20	20	67	50	100	3.53	60B3-20	20	67	70	100	4.99
21	127.82	137.7	60B1-21	20	60	40	90	2.43	60B2-21	20	67	50	100	3.82	60B3-21	20	67	70	100	5.48
22	133.86	143.8	60B1-22	20	60	40	90	2.54	60B2-22	20	67	50	100	4.14	60B3-22	20	67	70	100	6.00
23	139.90	149.8	60B1-23	20	60	40	90	2.66	60B2-23	20	74	50	110	4.67	60B3-23	20	74	70	110	6.70
24	145.95	155.8	60B1-24	20	60	40	90	2.78	60B2-24	20	74	50	110	5.01	60B3-24	20	74	70	110	7.26
25	151.99	161.9	60B1-25	20	60	40	90	2.91	60B2-25	20	80	50	120	5.59	60B3-25	20	80	70	120	8.04
26	158.04	167.9	60B1-26	20	63	40	95	3.20	60B2-26	20	80	50	120	5.96						
27	164.09	174.0	60B1-27	20	63	40	95	3.34	60B2-27	20	80	50	120	6.36						
28	170.14	180.0	60B1-28	20	63	40	95	3.49	60B2-28	20	80	50	120	6.77						
30	182.25	192.1	60B1-30	20	63	40	95	3.79	60B2-30	20	80	50	120	7.63						

All dimensions in mm. † Minimum toleranced bore which can be machined in sprocket. Pinions 10 to 40 teeth in Steel with min. U.T.S. 600N/mm², which can be supplied with induction hardened teeth to 45Rc. All Standard Stock Sprockets can be reworked to customers required bore, keyway, and setscrew requirements, on a 48 hour service. Sprockets with other teeth sizes can be supplied to order. Also available as platewheels. Contact us for details.

Standard Sprockets for 1", 1¼", 1½" Pitch American Standard Roller Chains

Refs ANSI 80, 100 & 120



	ANSI 80 (ISO Ref 16A)			ANSI 100 (ISO Ref 20A)		ANSI 120 (ISO Ref 24A)	
	Simplex Sprockets	Duplex Sprockets	Triplex Sprockets	Simplex Sprockets	Duplex Sprockets	Simplex Sprockets	Duplex Sprockets
Chain No.	ANSI 80	ANSI 80-2	ANSI 80-3	ANSI 100	ANSI 100-2	ANSI 120	ANSI 120-2
Pitch	25.40mm	25.40mm	25.40mm	31.75mm	31.75mm	38.10mm	38.10mm
Roller Dia.	15.88mm	15.88mm	15.88mm	19.05mm	19.05mm	22.23mm	22.23mm
Inside Width	15.80mm	15.80mm	15.80mm	19.00mm	19.00mm	25.25mm	25.25mm
Overall Width	35.50mm	64.50mm	94.00mm	42.80mm	79.00mm	53.70mm	99.60mm
Tooth Width B	15.00mm	44.00mm	73.30mm	18.00mm	53.50mm	24.10mm	69.00mm

No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket						Duplex Sprocket						Triplex Sprocket					
			Cat No.	Min. † bore d_1	Max. bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg	Cat No.	Min. † bore d_1	Max. bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg	Cat No.	Min. † bore d_1	Max. bore d_1	L.T.B. L_1	Hub Ø A_1	App. Weight kg
ANSI 80 Sprockets																				
8	66.37	79.5	80B1-08	16	28	35	42	0.52												
9	74.26	87.4	80B1-09	16	34	35	50	0.71												
10	82.20	95.3	80B1-10	16	36	35	55	0.88												
11	90.16	103.3	80B1-11	16	40	40	61	1.19												
12	98.14	111.3	80B1-12	16	46	40	69	1.48	80B2-12	20	47	70	72	2.65	80B3-12	25	47	100	72	3.66
13	106.14	119.3	80B1-13	16	52	40	78	1.82	80B2-13	20	54	70	80	3.23	80B3-13	25	54	100	80	4.50
14	114.15	127.3	80B1-14	16	56	40	84	2.13	80B2-14	20	58	70	88	3.87	80B3-14	25	58	100	88	5.41
15	122.17	135.3	80B1-15	16	61	40	92	2.51	80B2-15	20	64	70	96	4.56	80B3-15	25	64	100	96	6.40
16	130.20	143.3	80B1-16	20	67	45	100	3.19	80B2-16	20	69	70	104	5.31	80B3-16	30	69	100	104	7.30
17	138.23	151.4	80B1-17	20	67	45	100	3.38	80B2-17	20	75	70	112	6.12	80B3-17	30	75	100	112	8.46
18	146.27	159.4	80B1-18	20	67	45	100	3.58	80B2-18	20	80	70	120	6.98	80B3-18	30	80	100	120	9.69
19	154.32	167.4	80B1-19	20	67	45	100	3.79	80B2-19	20	85	70	128	7.89	80B3-19	30	85	100	128	11.00
20	162.37	175.5	80B1-20	20	67	45	100	4.02	80B2-20	20	87	70	130	8.61	80B3-20	30	87	100	130	12.13
21	170.42	183.5	80B1-21	20	74	50	110	5.00	80B2-21	25	87	70	130	9.18						
22	178.48	191.0	80B1-22	20	74	50	110	5.23												
23	186.54	199.7	80B1-23	20	74	50	110	5.52												
24	194.60	207.7	80B1-24	20	74	50	110	5.79												
25	202.66	215.8	80B1-25	20	74	50	110	6.08												
26	210.72	223.8	80B1-26	20	80	50	120	6.87												
27	218.79	231.9	80B1-27	20	80	50	120	7.18												
28	226.86	240.0	80B1-28	20	80	50	120	7.51												
29	234.93	248.1	80B1-29	20	80	50	120	7.84												
30	243.00	256.1	80B1-30	20	80	50	120	8.18												
ANSI 100 Sprockets																				
8	82.97	98.1	100B1-08	20	35	40	53	0.96												
9	92.83	108.0	100B1-09	20	42	40	63	1.30												
10	102.75	117.9	100B1-10	20	46	40	70	1.62												
11	112.70	127.8	100B1-11	20	51	45	77	2.15												
12	122.67	137.8	100B1-12	20	58	45	88	2.70	100B2-12	20	60	80	90	4.93						
13	132.67	147.8	100B1-13	20	65	45	98	3.28	100B2-13	20	67	80	100	5.98						
14	142.68	157.8	100B1-14	20	72	45	108	3.91	100B2-14	20	74	80	110	7.12						
15	152.72	167.9	100B1-15	20	78	45	118	4.61	100B2-15	20	80	80	120	8.37						
16	162.75	177.9	100B1-16	25	80	50	120	5.38	100B2-16	25	80	80	120	9.20						
18	182.84	198.0	100B1-18	25	80	50	120	6.12												
19	192.90	208.1	100B1-19	25	80	50	120	6.52												
20	202.96	218.1	100B1-20	25	80	50	120	6.95												
21	213.03	228.2	100B1-21	25	94	55	140	9.01												
22	223.10	238.3	100B1-22	25	94	55	140	9.48												
23	233.17	248.3	100B1-23	25	94	55	140	9.97												
24	243.25	258.4	100B1-24	25	94	55	140	10.49												
25	253.32	268.5	100B1-25	25	94	55	140	11.03												
ANSI 120 Sprockets																				
8	99.56	119.0	120B1-08	20	38	45	58	1.72												
9	111.40	130.9	120B1-09	20	46	45	70	2.27												
10	123.29	142.8	120B1-10	20	54	45	80	2.86												
11	135.23	154.7	120B1-11	25	60	50	90	3.69												
12	147.21	166.7	120B1-12	25	68	50	102	4.54	120B2-12	25	68	100	102	9.01						
13	159.20	178.7	120B1-13	25	76	50	114	5.48	120B2-13	25	76	100	114	10.90						
14	171.22	190.7	120B1-14	25	85	50	128	6.59	120B2-14	25	85	100	128	13.07						
15	183.25	202.7	120B1-15	25	94	50	140	7.72	120B2-15	25	94	100	140	15.32						

All dimensions in mm. † Minimum toleranced bore which can be machined in sprocket
Pinions in Steel with min. U.T.S. 600N/mm², which can be supplied with induction hardened teeth to 45Rc.
All Standard Stock Sprockets can be reworked to customers required bore, keyway, and setscrew requirements, on a 48 hour service. Sprockets with other teeth sizes can be supplied to order. Also available as platewheels. Contact us for details.