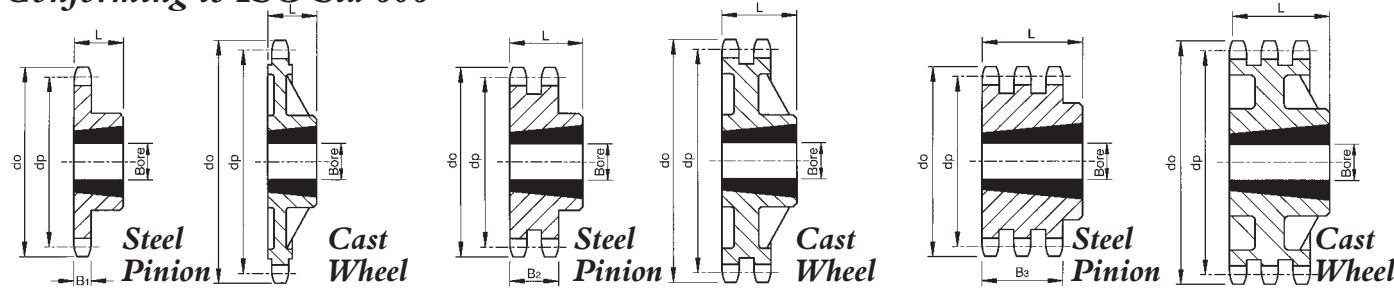


Taper Bore Sprockets for 1" Pitch
British Standard Chains Type 16B

Conforming to ISO Std 606



Simplex Sprockets
Chain No. 16B-1

Duplex Sprockets
Chain No. 16B-2

Triplex Sprockets
Chain No. 16B-3

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		

Simplex Chain No. 16B-1 - Tooth Width B₁ - 16.2mm

TB16B1-13	13	106.12	117.0	1610	14	42	25	0.7
TB16B1-14	14	114.15	125.0	1610	14	42	25	0.9
TB16B1-15	15	122.17	133.0	1610	14	42	25	1.1
TB16B1-16	16	130.20	141.0	2012	14	50	32	1.7
TB16B1-17	17	138.22	149.0	2012	14	50	32	1.8
TB16B1-18	18	146.28	157.0	2517	19	65	45	2.3
TB16B1-19	19	154.33	165.2	2517	19	65	45	2.5
TB16B1-20	20	162.38	173.2	2517	19	65	45	2.7
TB16B1-21	21	170.43	181.2	2517	19	65	45	3.0
TB16B1-22	22	178.48	189.3	2517	19	65	45	3.2
TB16B1-23	23	186.53	197.5	2517	19	65	45	3.4
TB16B1-24	24	194.59	205.5	2517	19	65	45	3.8
TB16B1-25	25	202.66	213.5	2517	19	65	45	4.1
TB16B1-26	26	210.72	221.6	2517	19	65	45	4.5
TB16B1-27	27	218.79	229.6	2517	19	65	45	4.8
TB16B1-28	28	226.85	237.7	2517	19	65	45	5.4
TB16B1-30	30	243.00	254.0	3020	25	75	51	7.9
TB16B1-38	38	307.59	320.7	3020	25	75	51	8.5
TB16B1-45	45	364.13	377.0	3020	25	75	51	10.7
Cast Iron Wheels								
TB16B1-57	57	461.08	474.0	3020	25	75	51	12.0
TB16B1-76	76	614.65	627.0	3020	25	75	51	18.0
TB16B1-95	95	768.22	781.0	3020	25	75	51	28.0
TB16B1-114	114	921.81	933.0	3030	25	75	76	40.0

Duplex Chain No. 16B-2 - Tooth With B₂ - 47.7mm

TB16B2-15	15	122.17	133.0	2012	14	50	48	2.1
TB16B2-16	16	130.20	141.0	2517	19	65	48	2.1
TB16B2-17	17	138.22	149.0	2517	19	65	48	2.5
TB16B2-18	18	146.28	157.0	2517	19	65	48	3.1
TB16B2-19	19	154.33	165.2	2517	19	65	48	3.8
TB16B2-20	20	162.38	173.2	2517	19	65	48	4.5
TB16B2-21	21	170.43	181.2	3020	25	75	51	4.2
TB16B2-22	22	178.48	189.3	3020	25	75	51	5.0
TB16B2-23	23	186.53	197.5	3020	25	75	51	5.8
TB16B2-24	24	194.59	205.5	3020	25	75	51	6.7
TB16B2-25	25	202.66	213.5	3020	25	75	51	7.6
TB16B2-26	26	210.72	221.6	3020	25	75	51	8.3
TB16B2-27	27	218.79	229.6	3020	25	75	51	9.0
TB16B2-28	28	226.85	237.7	3020	25	75	51	9.5
TB16B2-30	30	243.00	254.0	3020	25	75	51	10.0
TB16B2-38	38	307.59	320.7	3020	25	75	51	12.0
TB16B2-45	45	364.13	377.1	3020	25	75	51	35.0
TB16B2-57	57	461.07	474.0	3525	32	90	65	60.0
Cast Iron Wheels								
TB16B2-45	45	364.13	377.0	3020	25	75	51	15.0
TB16B2-57	57	461.08	474.0	3525	32	90	65	26.2
TB16B2-76	76	614.65	627.0	3525	32	90	65	40.5
TB16B2-95	95	768.22	781.0	3525	32	90	65	55.0
TB16B2-114	114	921.81	933.0	4040	40	100	102	65.0

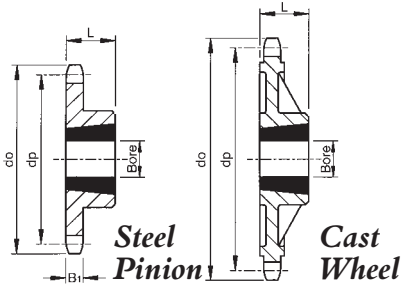
Triplex Chain No. 16B-3 - Tooth With B₃ - 79.6mm

TB16B3-17	17	138.22	149.0	2517	19	65	80	4.2
TB16B3-19	19	154.33	165.2	3020	25	75	80	3.6
TB16B3-21	21	170.43	181.2	3020	25	75	80	6.1
TB16B3-23	23	186.53	197.5	3525	32	90	80	7.0
TB16B3-25	25	202.66	213.5	3525	32	90	80	9.5
TB16B3-27	27	218.79	229.6	3525	32	90	80	12.5
TB16B3-30	30	243.00	254.0	3525	32	90	80	18.0
TB16B3-38	38	307.59	320.0	3525	32	90	80	23.0
TB16B3-45	45	364.13	377.1	4030	40	100	80	53.0
TB16B3-57	57	461.07	474.0	4030	40	100	80	90.0
TB16B3-76	76	614.65	627.0	4030	40	100	80	170.5
Cast Iron Wheels								
TB16B3-45	45	364.13	377.0	4030	40	100	80	32.0
TB16B3-57	57	461.08	474.0	4030	40	100	80	40.0
TB16B3-76	76	614.65	627.0	4030	40	100	80	58.0
TB16B3-95	95	768.22	781.0	4030	40	100	80	85.0
TB16B3-114	114	921.81	933.0	4545	55	110	114	90.0

All dimensions in mm. Details Taper Bore Bushes refer pp 38/39.

Taper Bore Sprockets for 1 1/4" Pitch British Standard Chains Type 20B

Conforming to ISO Std 606



Simplex Sprockets
Chain No. 20B-1

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		

Simplex Chain No. 20B-1 - Tooth Width B₁ - 18.5mm

TB20B1-13	13	132.65	147.8	2012	14	50	32	1.53
TB20B1-14	14	142.68	157.8	2517	19	65	45	1.83
TB20B1-15	15	152.72	167.9	2517	19	65	45	2.37
TB20B1-16	16	162.75	177.9	2517	19	65	45	2.72
TB20B1-17	17	172.78	187.9	2517	19	65	45	3.04
TB20B1-18	18	182.85	198.0	2517	19	65	45	3.46
TB20B1-19	19	192.91	207.1	2517	19	65	45	3.90
TB20B1-20	20	202.98	218.1	2517	19	65	45	4.30
TB20B1-21	21	213.04	228.2	2517	19	65	45	4.74
TB20B1-23	23	233.17	248.3	2517	19	65	45	5.72
TB20B1-25	25	253.33	268.5	2517	19	65	45	6.50
TB20B1-27	27	273.40	288.6	3020	25	75	51	9.00
TB20B1-30	30	303.75	318.9	3020	25	75	51	10.90
TB20B1-38	38	384.49	399.6	3020	25	75	51	18.00
TB20B1-45	45	455.17	470.3	3020	25	75	51	24.00
TB20B1-57	57	576.36	591.5	3020	25	75	51	38.50
TB20B1-76	76	768.32	783.5	3020	25	75	51	68.00
Cast Iron Wheels								
TB20B1-38	38	384.49	399.6	3020	25	75	51	12.6
TB20B1-45	45	455.17	470.3	3020	25	75	51	17.0
TB20B1-57	57	576.36	591.5	3020	25	75	51	25.6
TB20B1-76	76	768.32	783.5	3020	25	75	51	39.0

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.

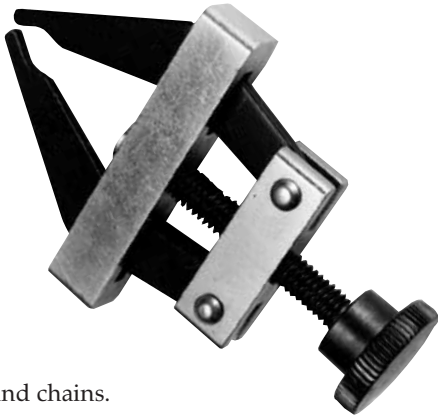
Tool Number	Chain Pitch	Roller Chain Sizes		
		B.S.	ANSI	Ext. Pitch
36	1/4" - 3/4"	05B-12B	25-60	208-212
610	3/4" - 1 1/4"	12B-20B	60-100	212-216
1220	1 1/2" - 2"	24B-32B	120-160	



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. Two 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.

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 2 1/2 inch pitch and 12 inch width. Knock-down and Rivet Tools can also be supplied to order, ensuring correct assembly of rivetted endless chains.

These tools, combined with the Chains, Sprockets, and Idlers ensure that you only need contact -

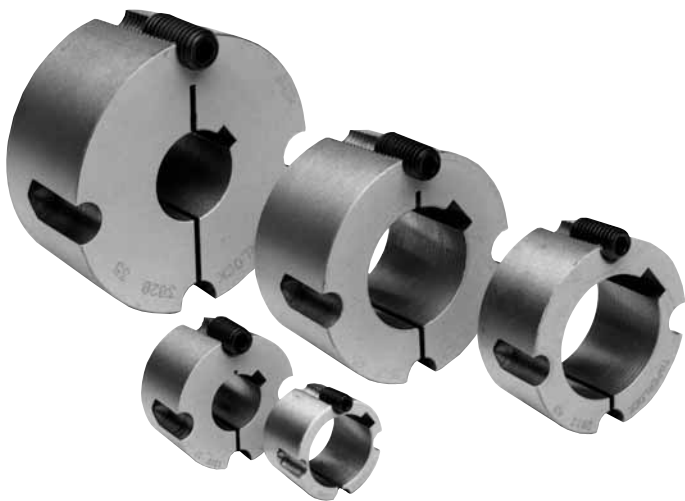
- **CROSS+MORSE for the TOTAL CHAIN TRANSMISSION PACKAGE -**

Tel +44(0) 121 360 0155 Fax +44(0) 121 325 1079 Email sales@crossmorse.com

Taper bushes provide a low cost, simple, quick method of securing sprocket, pulleys and couplings to a wide range of standard metric and imperial dimensioned shafts of general commercial tolerances and finish.

The taper surfaces on the bush and mating hub are driven together by high tensile screws, causing the split bush to be firmly contracted onto the shaft. The strong clamping force which can be achieved enables transmission of high torque without the problems of fretting associated with simple keyseated drives.

The design ensures quick, easy installation of sprockets and pulleys onto shafts with simple positioning for alignment. Positive jacking-off of the bush during removal ensures quick disassembly without normal problems of seizure between shaft and pulley. The standard bushes shown opposite are suitable for taper bore sprockets shown on pages 32-37, taper bored hubs on page 69, and the taper bored pulleys offered in the timing belt catalogue.



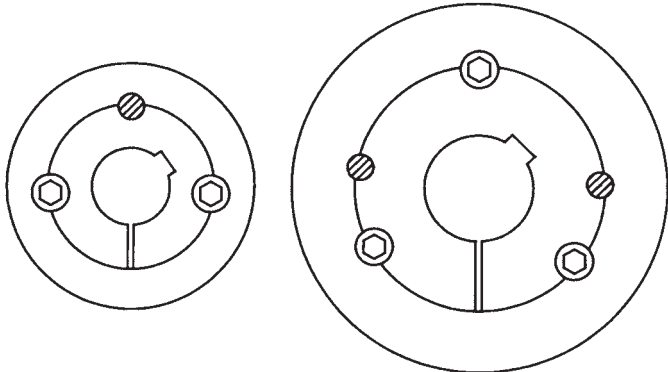
Instructions - Installation and Removal

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. Oil thread and point of grub screws, or thread and under head of cap screws. Place screws loosely in holes threaded in hub, shown thus  in diagram.
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. 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

It is recommended that a key should be fitted with bushes in rigid and flexible couplings, timing belt and chain drives, and wherever loads of a heavy pulsating nature are encountered. All keyways are parallel keyways to British Standard 4235 Part 1 : 1972 for metric dimensional shafts, or British Standard 46 Part 1 : 1958 for imperial dimensional shafts, with the exception of those marked* in the tables which are slightly shallower. Where a key is used it should be parallel type with side fitting and top clearance.

It is not recommended to use taper bushes with maximum or minimum bore sizes on drives where high shock loads may be encountered.

Taper Bushes
Bush Dimensions



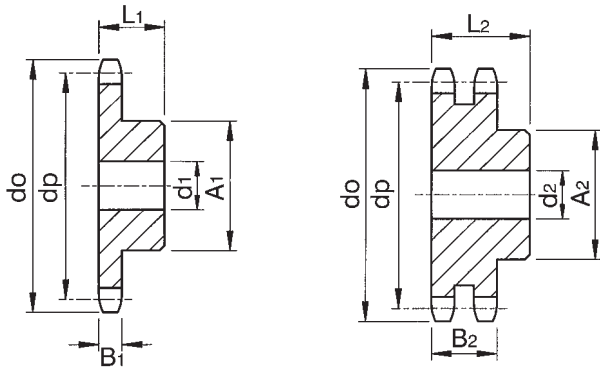
Bush No.	Approx. Weight kg	Bush Dimensions					Metric Bore Bushes					Imperial Bore Sizes				
		Length mm	o.d. large end of taper mm	Grub Screws			Bore sizes available mm				Keyway mm		Bore sizes available inches		Keyway Inches	
				No.	Screw Size	Key Size mm					Width	Depth at Centre				
1008	0.11	22.2	35	2	1/4" x 1/2" B.S.W.	3	9 11 10 12 14 16 20 22 18 24 25	3 4 5 6 8	1.4 1.8 2.3 2.8 1.3**	3/8 5/8 7/8 1	1/8 3/16 1/4	1/16 3/32 1/8 1/16*				
1108	0.12	22.2	38	2	1/4" x 1/2" B.S.W.	3	9 11 10 12 14 16 20 22 18 24 25 28	3 4 5 6 8 8	1.4 1.8 2.3 2.8 3.3 1.3**	3/8 5/8 7/8 1 1 1/8	1/8 3/16 1/4 5/16	1/16 3/32 1/8 5/64*				
1210	0.23	25.4	48	2	3/8" x 5/8" B.S.W.	5	11 16 22 30 14 19 20 22 18 25 28 30 32	4 5 6 8 10	1.8 2.3 2.8 3.3 3.3	1/2 3/4 1 1 1/4	3/16 1/4 5/16	1/16 3/32 1/8 1/8				
1215	0.35	38.1														
1310	0.28	25.4	51	2	3/8" x 5/8" B.S.W.	5	16 20 22 30 18 19 20 25 24 32 35	5 6 8 10 10	2.3 2.8 3.3 3.3 1.3**	1/2 3/4 1 1 1/4 1 1/8	1/8 3/16 1/4 5/16 3/8	1/16 3/32 1/8 1/8				
1610	0.35	25.4	57	2	3/8" x 5/8" B.S.W.	5	16 20 22 30 38 40 42 18 19 20 25 28 30 35 (1615 only)	5 6 8 10 12 12	2.3 2.8 3.3 3.3 3.3 1.3**	1/2 3/4 1 1 1/4 1 1/2 1 5/8	1/8 3/16 1/4 5/16 3/8 7/16	1/16 3/32 1/8 1/8 1/8 1/8*				
1615	0.45	38.1														
2012	0.68	31.8	70	2	7/16" x 7/8" B.S.W.	6	15 16 22 30 38 40 42 45 48 50 14 18 19 20 25 28 30 32	5 6 8 10 12 14	2.3 2.8 3.3 3.3 3.3 3.8	3/4 1 1 1/4 1 1/2 1 3/4 2	3/16 1/4 5/16 3/8 7/16 1/2	3/32 1/8 1/8 5/32 5/32				
2517	1.5	44.5	86	2	1/2" x 1" B.S.W.	6	19 20 22 30 38 40 42 45 48 50 55 24 32	6 8 10 12 14 16 18	2.8 3.3 3.3 3.8 3.8 4.3 4.4	7/8 1 1 1/4 1 1/2 1 3/4 2 2 1/4 2 1/2	1/4 3/8 1/2 5/8	1/8 1/8 5/32 5/32 7/32 3/16				
2525	1.9	63														
3020	2.7	50.8	108	2	5/8" x 1 1/4" B.S.W.	8	25 28 30 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	1 1/4 1 1/2 1 3/4 2 2 1/4 2 3/8 2 3/4 3	5/16 3/8 1/2 5/8 3/4	1/8 5/32 7/32 1/4				
3030	3.6	76														
3525	4.0	63	127	3	1/2" x 1 1/2" 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	1 1/2 1 3/4 2 2 1/2 2 3/8 3 3 3/8 3 1/2	3/8 1/2 5/8 3/4 7/8	1/8 5/32 5/32 1/4 1/4*				
3535	5.0	89														
4030	6.5	76	146	3	5/8" x 1 3/4" B.S.W.	12	40 42 45 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	1 3/4 2 2 1/2 3 3 1/2 4	7/16 1/2 5/8 3/4 1	5/32 5/32 7/32 1/4 1/4*				
4040	7.7	102														
4535	8	89	162	3	3/4" 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	2 1/4 2 3/8 2 1/2 3 3 1/2 4 4 1/2	5/8 3/4 1 1 1/4	7/32 1/4 3/8 1/4*				
4545	10	114														
5040	12	102	178	3	7/8" x 2 1/4" B.S.W.	17	70 75 80 85 90 95 100 105 110 115 120 125	20 22 25 28 32	4.9 5.4 5.4 6.4 7.4	2 3/4 3 3 1/2 4 4 1/2 5	3/4 1 1 1/4	1/4 3/8 5/16 5/16*				
5050	14	127														

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

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

Conforming to ISO Std 606

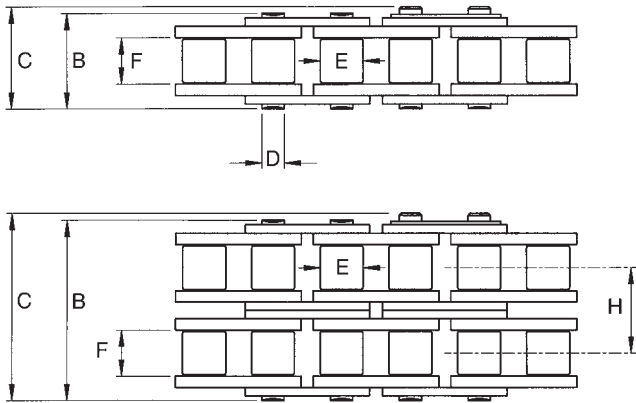


Simplex Sprockets

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

Duplex Sprockets

Chain No. 05B-2
Pitch 8.0mm
E Roller Diameter 5.0mm
F Inside Width 3.0mm
B₂ 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	.013	05B2-08	8	8	18	12	.018
9	23.39	26.6	05B1-09	6	10	12	15	.018	05B2-09	8	10	18	15	.027
10	25.89	29.2	05B1-10	8	11	12	17	.023	05B2-10	8	11	18	17	.033
11	28.39	31.7	05B1-11	8	12	13	18	.028	05B2-11	10	12	18	19	.043
12	30.91	34.2	05B1-12	8	13	13	20	.035	05B2-12	10	13	18	21	.054
13	33.42	36.7	05B1-13	8	14	13	23	.045	05B2-13	10	15	18	24	.07
14	35.95	39.2	05B1-14	8	16	13	25	.055	05B2-14	10	17	18	26	.08
15	38.48	41.7	05B1-15	8	19	13	28	.07	05B2-15	10	20	18	29	.10
16	41.01	44.3	05B1-16	8	20	14	30	.08	05B2-16	10	21	20	32	.13
17	43.53	46.8	05B1-17	8	20	14	30	.085	05B2-17	10	23	20	34	.15
18	46.07	49.3	05B1-18	8	20	14	30	.09	05B2-18	10	25	20	37	.17
19	48.61	51.9	05B1-19	8	20	14	30	.09	05B2-19	10	26	20	39	.20
20	51.14	54.4	05B1-20	8	20	14	30	.10	05B2-20	10	27	20	40	.21
21	53.68	57.0	05B1-21	8	24	14	35	.12	05B2-21	10	27	20	40	.25
22	56.21	59.5	05B1-22	8	24	14	35	.13	05B2-22	10	27	20	40	.26
23	58.75	62.0	05B1-23	8	24	14	35	.13	05B2-23	10	27	20	40	.28
24	61.29	64.6	05B1-24	8	24	14	35	.14	05B2-24	10	27	20	40	.29
25	63.83	67.5	05B1-25	8	24	14	35	.14	05B2-25	10	27	20	40	.31
26	66.37	69.5	05B1-26	10	27	16	40	.19	05B2-26	12	34	22	50	.39
27	68.91	72.2	05B1-27	10	27	16	40	.20	05B2-27	12	34	22	50	.40
28	71.45	74.8	05B1-28	10	27	16	40	.20	05B2-28	12	34	22	50	.42
29	73.99	77.3	05B1-29	10	27	16	40	.21	05B2-29	12	34	22	50	.44
30	76.53	79.8	05B1-30	10	27	16	40	.21	05B2-30	12	34	22	50	.46
31	79.08	82.4	05B1-31	12	27	16	40	.22	05B2-31	12	40	22	60	.57
32	81.61	84.9	05B1-32	12	27	16	40	.22	05B2-32	12	40	22	60	.59
33	84.16	87.5	05B1-33	12	27	16	40	.23	05B2-33	12	40	22	60	.61
34	86.70	90.0	05B1-34	12	27	16	40	.24	05B2-34	12	40	22	60	.63
35	89.25	92.5	05B1-35	12	27	16	40	.24	05B2-35	12	40	22	60	.65
36	91.79	95.0	05B1-36	12	27	16	40	.25	05B2-36	12	40	22	60	.67
37	94.33	97.6	05B1-37	12	27	16	40	.26	05B2-37	12	40	22	60	.70
38	96.88	100.2	05B1-38	12	27	16	40	.27	05B2-38	12	40	22	60	.72
39	99.42	102.7	05B1-39	12	27	16	40	.28	05B2-39	12	40	22	60	.74
40	101.97	105.3	05B1-40	12	27	16	40	.29	05B2-40	12	40	22	60	.77
45	114.69	118.0	05B1-45	12	40	20	60	.58						
50	127.41	130.7	05B1-50	12	40	20	60	.63						
57	145.22	148.6	05B1-57	14	52	20	80	1.00						
76	193.59	197.7	05B1-76	20	52	25	80	1.60						

All dimensions in mm. †Min. tolerance bore which can be machined in sprocket. Material:-Steel Pinions 8 to 40 tooth minimum U.T.S. 600N/mm² - Above 40T - 410N/mm²

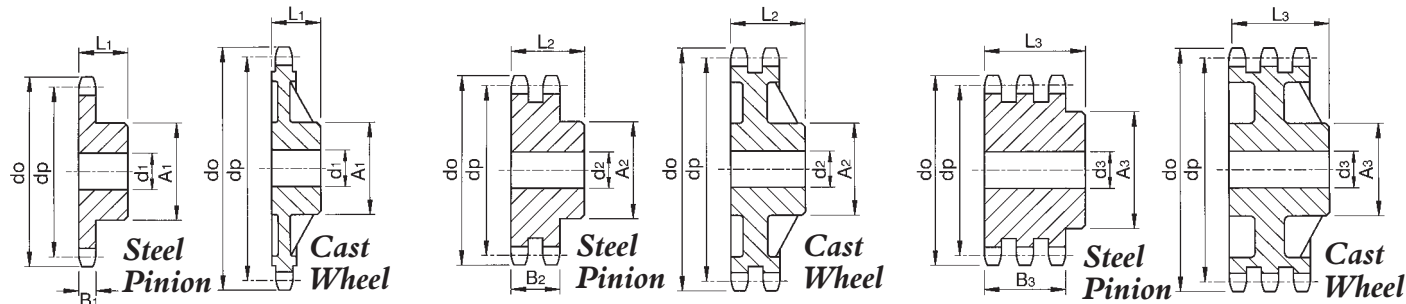
Finished Bored and Keyed Sprockets

All standard plain bore sprockets can be supplied finish bored, keywayed and with setscrews to customers' specifications. Where possible standard bores and keyways should always be used (Refer to p95 for details). For idler applications sprockets can be supplied fitted with phosphor bronze or sintered bushes with bores up to a maximum indicated for sprocket bores. All modifications are offered on our 48 hour rework service. Steel pinions 8 to 40 tooth can be supplied with teeth induction hardened to 45Rc.

Standard Sprockets for 3/8" Pitch
British Standard Chains Type 06B
Conforming to ISO Std 606



Tel +44(0) 121 360 0155
Fax +44(0) 121 325 1079
Email sales@crossmorse.com



Simplex Sprockets

Chain No. 06B-1
Pitch 9.525mm
Roller Dia. 6.35mm
Inside Width 5.72mm
Overall Width 15.0mm
Tooth Width B₁ 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 B₂ 15.4mm

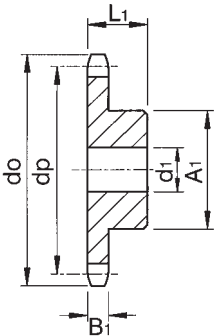
Triplex Sprockets

Chain No. 06B-3
Pitch 9.525mm
Roller Dia. 6.35mm
Inside Width 5.72mm
Overall Width 35.0mm
Tooth Width B₃ 25.6mm

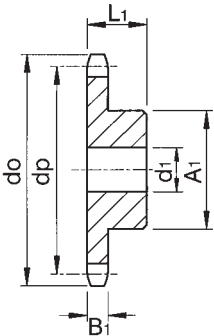
No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket						Duplex Sprocket						Triplex Sprocket					
			Cat. No.	Min.† Bore d ₁	Max. Bore d ₁	L.T.B. L ₁	Hub Ø A ₁	App. Weight kg	Cat. No.	Min.† Bore d ₂	Max. Bore d ₂	L.T.B. L ₂	Hub Ø A ₂	App. Weight kg	Cat. No.	Min.† Bore d ₃	Max. Bore d ₃	L.T.B. L ₃	Hub Ø A ₃	App. Weight kg
Steel Pinions																				
8	24.89	28.0	06B1-08	8	10	22	15	.03	06B2-08	8	10	22	15	.04	06B3-08	8	10	32	15	.05
9	27.85	31.0	06B1-09	8	12	22	18	.05	06B2-09	8	12	22	18	.05	06B3-09	8	12	32	18	.07
10	30.82	34.0	06B1-10	8	13	22	20	.06	06B2-10	8	13	22	20	.07	06B3-10	10	13	32	20	.09
11	33.80	37.0	06B1-11	8	14	25	22	.08	06B2-11	10	14	25	22	.09	06B3-11	12	14	35	22	.12
12	36.80	40.0	06B1-12	8	16	25	25	.11	06B2-12	10	16	25	25	.12	06B3-12	12	16	35	25	.15
13	39.79	43.0	06B1-13	10	19	25	28	.13	06B2-13	10	19	25	28	.14	06B3-13	12	19	35	28	.19
14	42.80	46.3	06B1-14	10	20	25	31	.16	06B2-14	10	20	25	31	.17	06B3-14	12	20	35	31	.24
15	42.80	49.3	06B1-15	10	23	25	34	.19	06B2-15	10	23	25	34	.21	06B3-15	12	23	35	34	.28
16	48.82	52.3	06B1-16	10	25	28	37	.24	06B2-16	12	25	30	37	.27	06B3-16	12	25	35	37	.33
17	51.83	55.3	06B1-17	10	27	28	40	.29	06B2-17	12	27	30	40	.32	06B3-17	12	27	35	40	.39
18	54.85	58.3	06B1-18	10	29	28	43	.33	06B2-18	12	29	30	43	.37	06B3-18	12	29	35	43	.45
19	57.87	61.3	06B1-19	10	30	28	45	.37	06B2-19	12	31	30	46	.42	06B3-19	12	31	35	46	.51
20	60.89	64.3	06B1-20	10	31	28	46	.39	06B2-20	12	33	30	49	.48	06B3-20	12	33	35	49	.58
21	63.91	68.0	06B1-21	12	32	28	48	.42	06B2-21	16	35	30	52	.52	06B3-21	16	35	40	52	.70
22	66.93	71.0	06B1-22	12	34	28	50	.46	06B2-22	16	36	30	55	.58	06B3-22	16	36	40	55	.79
23	69.95	73.5	06B1-23	12	35	28	52	.50	06B2-23	16	38	30	58	.65	06B3-23	16	38	40	58	.88
24	72.97	77.0	06B1-24	12	36	28	54	.54	06B2-24	16	40	30	61	.72	06B3-24	16	40	40	61	.97
25	76.00	80.0	06B1-25	12	38	28	57	.61	06B2-25	16	43	30	64	.79	06B3-25	16	43	40	64	1.07
26	79.02	83.0	06B1-26	12	40	28	60	.67	06B2-26	16	44	30	67	.87	06B3-26	16	44	40	67	1.17
27	82.05	86.0	06B1-27	12	40	28	60	.73	06B2-27	16	46	30	70	.95	06B3-27	16	46	40	70	1.28
28	85.07	89.0	06B1-28	12	40	28	60	.81	06B2-28	16	48	30	73	1.03	06B3-28	16	48	40	73	1.39
29	88.09	92.0	06B1-29	12	40	28	60	.88	06B2-29	16	50	30	76	1.12	06B3-29	16	50	40	76	1.51
30	91.12	94.7	06B1-30	12	40	30	60	.92	06B2-30	16	53	30	79	1.21	06B3-30	16	53	40	79	1.63
31	94.15	98.3	06B1-31	14	43	30	65	.97	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	.99	06B2-32	16	54	30	80	1.32	06B3-32	16	54	40	80	1.81
33	100.20	104.3	06B1-33	14	43	30	65	1.01	06B2-33	16	54	30	80	1.38	06B3-33	16	54	40	80	1.90
34	103.23	107.3	06B1-34	14	43	30	65	1.03	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	1.05	06B2-35	16	54	30	80	1.49	06B3-35	16	57	40	85	2.16
36	109.29	113.4	06B1-36	16	46	30	70	1.07	06B2-36	16	60	30	90	1.55	06B3-36	16	60	40	90	2.23
37	112.32	116.4	06B1-37	16	46	30	70	1.09	06B2-37	16	60	30	90	1.61	06B3-37	16	60	40	90	2.43
38	115.35	119.5	06B1-38	16	46	30	70	1.11	06B2-38	16	60	30	90	1.67	06B3-38	16	60	40	90	2.62
39	118.37	122.5	06B1-39	16	46	30	70	1.13	06B2-39	16	60	30	90	1.74	06B3-39	16	60	40	90	2.72
40	121.40	125.5	06B1-40	16	46	30	70	1.16	06B2-40	16	60	30	90	1.80	06B3-40	16	60	40	90	2.92
42	127.46	131.6	06B1-42	16	54	32	*80	1.50	06B2-42	20	60	40	*90	2.54	06B3-42	20	60	56	*90	3.70
45	136.55	140.7	06B1-45	16	54	32	*80	1.58	06B2-45	20	60	40	*90	2.76	06B3-45	20	60	56	*90	4.06
48	145.64	149.7	06B1-48	20	54	32	*80	1.63	06B2-48	20	60	40	*90	2.99	06B3-48	20	60	56	*90	4.45
50	151.69	155.7	06B1-50	20	54	32	*80	1.69	06B2-50	20	60	40	*90	3.16	06B3-50	20	60	56	*90	4.72
57	172.91	176.9	06B1-57	20	54	32	*80	1.91	06B2-57	20	60	40	*90	3.79	06B3-57	20	60	56	*90	5.78
60	182.00	186.0	06B1-60	20	54	32	*80	2.01	06B2-60	20	60	40	*90	4.09	06B3-60	20	60	56	*90	6.28
Cast Iron Wheels																				
57	172.91	176.9	06B1-57	19	42	32	70	1.60	06B2-57	19	48	40	80	2.50	06B3-57	23	54	56	90	3.60
76	230.49	234.9	06B1-76	19	42	32	70	2.10	06B2-76	19	48	40	80	3.10	06B3-76	23	60	56	100	4.00
95	288.08	292.5	06B1-95	19	48	40	80	3.50	06B2-95	19	54	45	90	4.60	06B3-95	23	60	56	100	6.50
114	345.68	349.6	06B1-114	19	48	40	80	4.20	06B2-114	19	54	45	90	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

All dimensions in mm.
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, on 48 hour service.
Steel pinions 8 to 40 tooth can be supplied with teeth induction hardened to 45Rc.
*Sprockets with an asterisk on hub Ø may be of fabricated construction.
†Min. tolerated bore which can be machined in sprocket.

Standard Sprockets for 1/2" Pitch Narrow Series Roller Chains



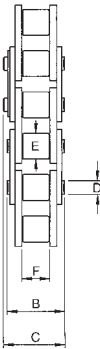
Chain No. 081
Pitch 12.7mm
Roller Dia. 7.75mm
Inside Width 3.3mm
Tooth Width B 3.0mm



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.



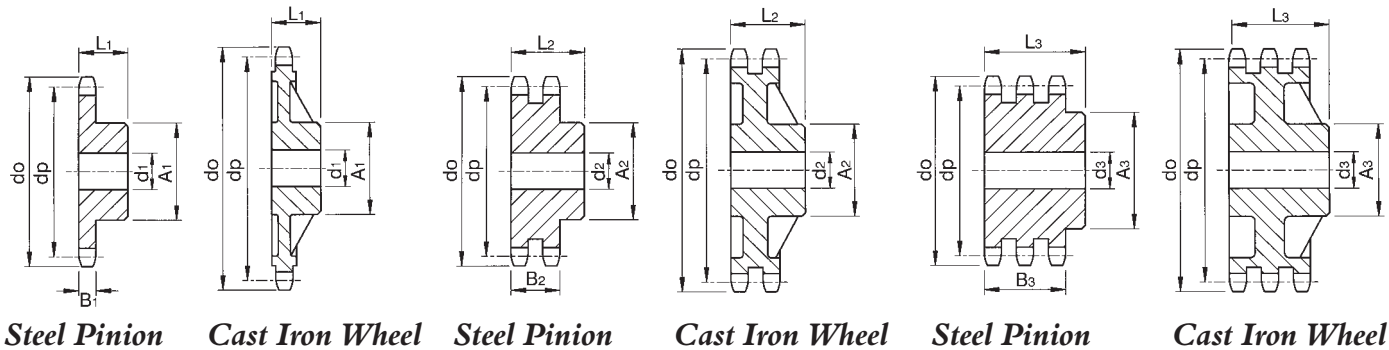
Chains for Sprocket Types 081, 083 and 08L

Sprocket Ref.	Chain Ref.	Pin Length B	Overall Width C	Pin Diameter D	Roller Diameter E	Inside Width F	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 1/2" Pitch
British Standard Chains Type 08B
Conforming to ISO Std 606



Tel +44(0) 121 360 0155
Fax +44(0) 121 325 1079
Email sales@crossmorse.com



Simplex Sprockets

Chain No. 08B-1
Pitch 12.7mm
Roller Dia. 8.51mm
Inside Width 7.75mm
Overall Width 18.3mm
Tooth Width B₁ 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 B₂ 21.0mm

Triplex Sprockets

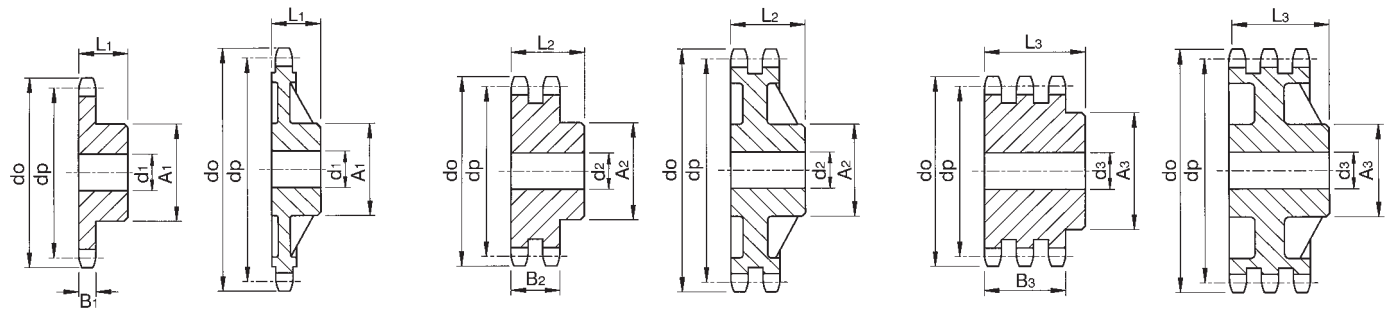
Chain No. 08B-3
Pitch 12.7mm
Roller Dia. 8.51mm
Inside Width 7.75mm
Overall Width 46.1mm
Tooth Width B₃ 34.9mm

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	33.18	37.2	08B1-08	10	13	25	20	.07	08B2-08	10	13	32	20	.10	08B3-08	10	13	46	20	.14
9	37.13	41.0	08B1-09	10	15	25	24	.10	08B2-09	10	15	32	24	.13	08B3-09	12	15	46	24	.18
10	41.10	45.2	08B1-10	10	17	25	26	.12	08B2-10	10	19	32	28	.18	08B3-10	12	19	46	28	.25
11	45.07	48.7	08B1-11	10	20	25	29	.15	08B2-11	12	21	35	32	.24	08B3-11	16	21	50	32	.31
12	49.07	53.0	08B1-12	10	22	28	33	.21	08B2-12	12	24	35	35	.30	08B3-12	16	24	50	35	.39
13	53.06	57.4	08B1-13	10	25	28	37	.26	08B2-13	12	26	35	38	.36	08B3-13	16	26	50	38	.49
14	57.07	61.8	08B1-14	10	27	28	41	.32	08B2-14	12	28	35	42	.44	08B3-14	16	28	50	42	.60
15	61.09	65.5	08B1-15	10	30	28	45	.39	08B2-15	12	31	35	46	.52	08B3-15	16	31	50	46	.72
16	65.10	69.5	08B1-16	12	34	28	50	.46	08B2-16	14	34	35	.50	.63	08B3-16	16	34	50	50	.85
17	69.11	73.6	08B1-17	12	35	28	52	.51	08B1-17	14	36	35	54	.74	08B3-17	16	36	50	54	.99
18	73.14	77.8	08B1-18	12	37	28	56	.59	08B2-18	14	38	35	58	.85	08B3-18	16	38	50	58	1.14
19	77.16	81.7	08B1-19	12	40	28	60	.67	08B2-19	14	41	35	62	.97	08B3-19	16	41	50	62	1.30
20	81.19	85.8	08B1-20	12	43	28	64	.76	08B2-20	14	44	35	66	1.10	08B3-20	16	44	50	66	1.47
21	85.22	89.7	08B1-21	14	45	28	68	.84	08B2-21	16	46	40	70	1.29	08B3-21	20	46	55	70	1.75
22	89.24	93.8	08B1-22	14	46	28	70	.91	08B2-22	16	46	40	70	1.38	08B3-22	20	46	55	70	1.88
23	93.27	98.2	08B1-23	14	46	28	70	.94	08B2-23	16	46	40	70	1.46	08B3-23	20	46	55	70	2.03
24	97.29	101.8	08B1-24	14	46	28	70	.97	08B2-24	16	50	40	75	1.64	08B3-24	20	50	55	75	2.27
25	101.33	105.8	08B1-25	14	46	28	70	1.00	08B2-25	16	54	40	80	1.83	08B3-25	20	54	55	80	2.52
26	105.36	110.0	08B1-26	16	46	30	70	1.09	08B2-26	20	57	40	85	1.99	08B3-26	20	57	55	85	2.79
27	109.40	114.0	08B1-27	16	46	30	70	1.12	08B2-27	20	57	40	85	2.09	08B3-27	20	57	55	85	2.96
28	113.42	118.0	08B1-28	16	46	30	70	1.16	08B2-28	20	60	40	90	2.30	08B3-28	20	60	55	90	3.25
29	117.46	122.0	08B1-29	16	54	30	80	1.41	08B2-29	20	63	40	95	2.52	08B3-29	20	63	55	95	3.55
30	121.50	126.1	08B1-30	16	54	30	80	1.45	08B2-30	20	67	40	100	2.76	08B3-30	20	67	55	100	3.87
31	125.54	130.2	08B1-31	16	60	30	90	1.74	08B2-31	20	67	40	100	2.88	08B3-31	20	74	55	110	4.33
32	129.56	134.3	08B1-32	16	60	30	90	1.78	08B2-32	20	67	40	100	3.00	08B3-32	20	74	55	110	4.54
33	133.60	138.4	08B1-33	16	60	30	90	1.83	08B2-33	20	67	40	100	3.13	08B3-33	20	74	55	110	4.75
34	137.64	142.6	08B1-34	16	60	30	90	1.87	08B2-34	20	67	40	100	3.26	08B3-34	20	74	55	110	4.87
35	141.68	146.7	08B1-35	16	60	30	90	1.92	08B2-35	20	67	40	100	3.40	08B3-35	20	74	55	110	5.20
36	145.72	151.0	08B1-36	20	60	35	90	2.18	08B2-36	20	67	40	100	3.55	08B3-36	25	80	55	120	5.64
37	149.76	154.6	08B1-37	20	60	35	90	2.23	08B2-37	20	67	40	100	3.69	08B3-37	25	80	55	120	5.89
38	153.80	158.6	08B1-38	20	60	35	90	2.28	08B2-38	20	67	40	100	3.84	08B3-38	25	80	55	120	6.14
39	157.83	162.7	08B1-39	20	60	35	90	2.33	08B2-39	20	67	40	100	4.00	08B3-39	25	80	55	120	6.39
40	161.87	166.8	08B1-40	20	60	35	90	2.38	08B2-40	20	67	40	100	4.16	08B3-40	25	80	55	120	6.66
42	169.94	175.4	08B1-42	20	60	40	*90	2.74	08B2-42	20	74	50	*110	5.46	08B3-42	25	74	60	*110	7.29
45	182.06	188.0	08B1-45	20	60	40	*90	2.93	08B2-45	20	74	50	*110	6.01	08B3-45	25	74	60	*110	8.20
48	194.18	200.3	08B1-48	20	60	40	*90	3.14	08B2-48	20	74	50	*110	6.60	08B3-48	25	74	60	*110	9.17
50	202.26	208.3	08B1-50	20	60	40	*90	3.27	08B2-50	20	74	50	*110	7.00	08B3-50	25	74	60	*110	9.83
57	230.54	236.4	08B1-57	20	60	40	*90	3.80	08B2-57	25	74	50	*110	8.48	08B3-57	25	74	60	*110	12.41
60	242.66	248.6	08B1-60	20	60	40	*90	4.05	08B2-60	25	74	50	*110	9.21	08B3-60	25	74	60	*110	13.62
Cast Iron Wheels																				
57	230.54	236.4	08B1-57	19	42	40	70	2.40	08B2-57	23	54	50	90	4.40	08B3-57	23	60	60	100	6.70
76	307.32	313.3	08B1-76	23	48	40	80	4.10	08B2-76	23	60	56	100	6.40	08B3-76	23	60	60	100	8.20
95	384.11	390.1	08B1-95	23	48	45	80	5.40	08B2-95	23	60	56	100	8.80	08B3-95	23	72	67	120	12.80
114	460.91	466.9	08B1-114	23	54	45	90	7.10	08B2-114	23	60	63	100	10.20	08B3-114	23	72	67	120	16.50

All dimensions in mm.
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, on 48 hour service.
Steel pinions 8 to 40 tooth can be supplied with teeth induction hardened to 45Rc.
*Sprockets with an asterisk on hub Ø may be of fabricated construction.
†Min. toleranced bore which can be machined in sprocket.

Standard Sprockets for 5/8" Pitch
British Standard Chains Type 10B

Conforming to ISO Std 606



Steel Pinion Cast Iron Wheel Steel Pinion Cast Iron Wheel Steel Pinion Cast Iron Wheel

Simplex Sprockets

Chain No. 10B-1
Pitch 15.875mm
Roller Dia. 10.16mm
Inside Width 9.52mm
Overall Width 20.8mm
Tooth Width B₁ 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 B₂ 25.5mm

Triplex Sprockets

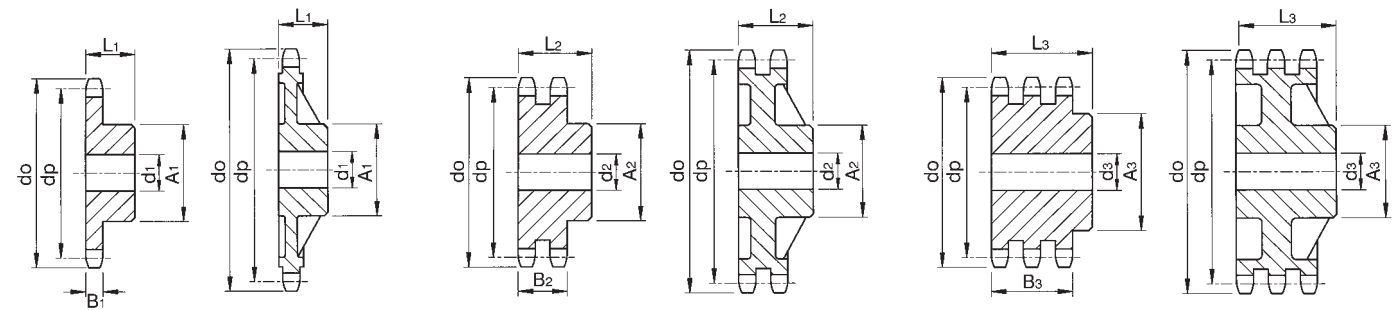
Chain No. 10B-3
Pitch 15.875mm
Roller Dia. 10.16mm
Inside Width 9.52mm
Overall Width 54.1mm
Tooth Width B₃ 42.1mm

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	.12	10B2-08	12	16	40	25	.19	10B3-08	12	16	55	25	.27
9	46.42	52.6	10B1-09	10	20	25	30	.17	10B2-09	12	20	40	30	.27	10B3-09	12	20	55	30	.38
10	51.37	57.5	10B1-10	10	24	25	35	.22	10B2-10	12	24	40	35	.36	10B3-10	16	24	55	35	.47
11	56.34	63.0	10B1-11	12	25	30	37	.29	10B2-11	14	26	40	39	.43	10B3-11	16	26	55	39	.61
12	61.34	68.0	10B1-12	12	28	30	42	.38	10B2-12	14	29	40	44	.55	10B3-12	16	29	55	44	.78
13	66.32	73.0	10B1-13	12	31	30	47	.47	10B2-13	14	33	40	49	.68	10B3-13	16	33	55	49	.95
14	71.34	78.0	10B1-14	12	35	30	52	.56	10B2-14	14	36	40	54	.82	10B3-14	16	36	55	54	1.15
15	76.36	83.0	10B1-15	12	38	30	57	.67	10B2-15	14	39	40	59	.97	10B3-15	16	39	55	59	1.37
16	81.37	88.0	10B1-16	14	40	30	60	.76	10B2-16	16	43	45	64	1.26	10B3-16	16	43	60	64	1.72
17	86.39	93.0	10B1-17	14	40	30	60	.80	10B2-17	16	46	45	69	1.46	10B3-17	16	46	60	69	1.98
18	91.42	98.3	10B1-18	14	46	30	70	1.02	10B2-18	16	49	45	74	1.67	10B3-18	16	49	60	74	2.27
19	96.45	103.3	10B1-19	14	46	30	70	1.07	10B2-19	16	53	45	79	1.90	10B3-19	16	53	60	79	2.58
20	101.49	108.4	10B1-20	14	50	30	75	1.21	10B2-20	16	56	45	84	2.14	10B3-20	16	56	60	84	2.90
21	106.52	113.4	10B1-21	16	50	30	75	1.25	10B2-21	16	57	45	85	2.27	10B3-21	20	57	60	85	3.12
22	111.55	118.0	10B1-22	16	54	30	80	1.40	10B2-22	16	60	45	90	2.54	10B3-22	20	60	60	90	3.48
23	116.58	123.4	10B1-23	16	54	30	80	1.46	10B2-23	16	63	45	95	2.82	10B3-23	20	63	60	95	3.85
24	121.62	128.3	10B1-24	16	54	30	80	1.53	10B2-24	16	67	45	100	3.11	10B3-24	20	67	60	100	4.25
25	126.66	134.0	10B1-25	16	54	30	80	1.59	10B2-25	16	70	45	105	3.42	10B3-25	20	70	60	105	4.66
26	131.70	139.0	10B1-26	20	57	35	85	1.82	10B2-26	20	74	45	110	3.74	10B3-26	20	74	60	110	5.10
27	136.75	144.0	10B1-27	20	57	35	85	1.89	10B2-27	20	74	45	110	3.94	10B3-27	20	74	60	110	5.43
28	141.78	148.7	10B1-28	20	60	35	90	2.24	10B2-28	20	77	45	115	4.28	10B3-28	20	77	60	115	5.89
29	146.83	153.8	10B1-29	20	60	35	90	2.31	10B2-29	20	77	45	115	4.49	10B3-29	20	77	60	115	6.24
30	151.87	158.8	10B1-30	20	60	35	90	2.39	10B2-30	20	80	45	120	4.86	10B3-30	20	80	60	120	6.74
31	156.92	163.9	10B1-31	20	63	35	95	2.62	10B2-31	20	80	45	*120	5.09	10B3-31	20	80	60	*120	7.12
32	161.95	168.9	10B1-32	20	63	35	95	2.71	10B2-32	20	80	45	*120	5.33	10B3-32	20	80	60	*120	7.51
33	167.00	174.5	10B1-33	20	63	35	95	2.79	10B2-33	20	80	45	*120	5.58	10B3-33	20	80	60	*120	7.92
34	172.05	179.0	10B1-34	20	63	35	95	2.88	10B2-34	20	80	45	*120	5.83	10B3-34	20	80	60	*120	8.34
35	177.10	184.1	10B1-35	20	63	35	95	2.98	10B2-35	20	80	45	*120	6.10	10B3-35	20	80	60	*120	8.78
36	182.15	189.1	10B1-36	20	67	35	100	3.23	10B2-36	20	80	45	*120	6.37	10B3-36	25	80	60	*120	9.14
37	187.20	194.2	10B1-37	20	67	35	100	3.33	10B2-37	20	80	45	*120	6.65	10B3-37	25	80	60	*120	9.60
38	192.24	199.2	10B1-38	20	67	35	100	3.43	10B2-38	20	80	45	*120	6.93	10B3-38	25	80	60	*120	10.10
39	197.29	204.2	10B1-39	20	67	35	100	3.53	10B2-39	20	80	45	*120	7.23	10B3-39	25	80	60	*120	10.60
40	202.34	209.3	10B1-40	20	67	35	100	3.64	10B2-40	20	80	45	*120	7.53	10B3-40	25	80	60	*120	11.10
42	212.43	219.9	10B1-42	20	67	40	*100	4.23	10B2-42	20	87	50	*130	9.01	10B3-42	25	87	60	*130	12.40
45	227.58	235.0	10B1-45	20	67	40	*100	4.59	10B2-45	20	87	50	*130	10.03	10B3-45	25	87	60	*130	14.07
48	242.73	250.2	10B1-48	20	67	40	*100	4.99	10B2-48	25	87	50	*130	11.06	10B3-48	25	87	60	*130	15.87
50	252.82	260.3	10B1-50	20	67	40	*100	5.26	10B2-50	25	87	50	*130	11.82	10B3-50	25	87	60	*130	17.13
57	288.18	296.0	10B1-57	25	67	40	*100	6.27	10B2-57	25	87	50	*130	14.79	10B3-57	25	87	60	*130	22.00
60	303.33	310.8	10B1-60	25	67	50	*100	7.33	10B2-60	25	87	63	*130	17.46	10B3-60	25	87	67	*130	24.95
Cast Iron Wheels																				
57	288.18	296.0	10B1-57	23	54	45	90	4.30	10B2-57	29	60	56	100	7.50	10B3-57	31	60	63	100	9.30
76	384.15	392.1	10B1-76	23	54	50	90	6.50	10B2-76	29	60	63	100	9.30	10B3-76	34	66	67	110	14.20
95	480.14	488.5	10B1-96	23	60	56	100	9.20	10B2-95	29	66	63	110	10.50	10B3-95	34	75	70	125	18.50
114	576.13	584.1	10B1-114	23	60	56	100	14.00	10B2-114	29	75	70	125	17.00	10B3-114	34	75	80	125	26.00

All dimensions in mm.
Steel Pinions 8 to 35 tooth minimum U.T.S. 600N/mm² - Above 35T - 410N/mm²
Stock Sprockets can be reworked to customers bore and keyway requirements, on 48 hour service.
Steel pinions (other than fabricated types) 8 to 35 tooth can be supplied with teeth induction hardened to 45Rc.
*Sprockets with an asterisk on hub Ø may be of fabricated construction.

Standard Sprockets for 3/4" Pitch
British Standard Chains Type 12B

Conforming to ISO Std. 606



Steel Pinion Cast Iron Wheel Steel Pinion Cast Iron Wheel Steel Pinion Cast Iron Wheel

Simplex Sprockets

Chain No. 12B-1
Pitch 19.05mm
Roller Dia. 12.07mm
Inside Width 11.68mm
Overall Width 24.5mm
Tooth Width B1 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 B2 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 B3 49.8mm

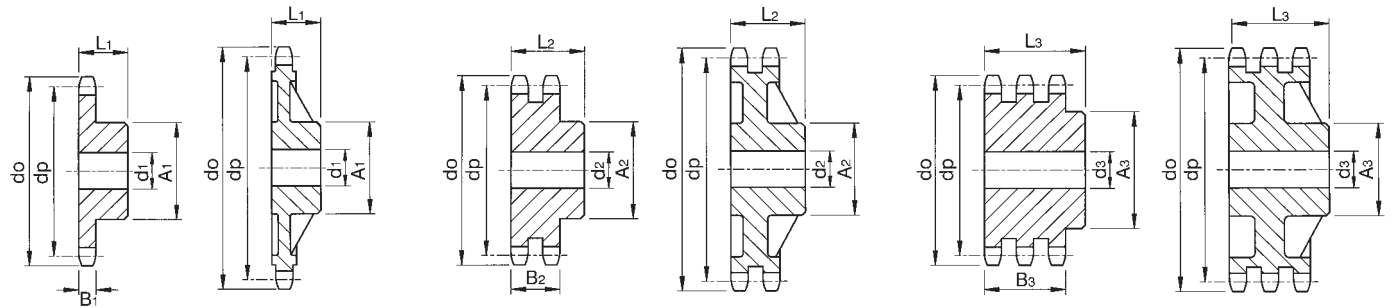
No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket						Duplex Sprocket						Triplex Sprocket					
			Cat. No.	min. † bore d ₁	max. bore d ₁	L.T.B. L ₁	Hub dia. A ₁	Wt. kg	Cat. No.	min. † bore d ₂	max. bore d ₂	L.T.B. L ₂	Hub dia. A ₂	Wt. kg	Cat. No.	min. † bore d ₃	max. bore d ₃	L.T.B. L ₃	Hub dia. A ₃	Wt. kg
Steel Pinions																				
8	49.78	57.6	12B1-08	12	20	30	31	.21	12B2-08	12	20	45	31	.31	12B3-08	16	20	65	31	.45
9	55.70	62.0	12B1-09	12	25	30	37	.30	12B2-09	12	25	45	37	.44	12B3-09	16	25	65	37	.64
10	61.64	69.0	12B1-10	12	28	30	42	.38	12B2-10	12	28	45	42	.59	12B3-10	16	28	65	42	.87
11	67.61	75.0	12B1-11	14	31	35	46	.51	12B2-11	16	31	50	47	.77	12B3-11	20	31	70	47	1.10
12	73.61	81.5	12B1-12	14	35	35	52	.65	12B2-12	16	35	50	53	.98	12B3-12	20	35	70	53	1.39
13	79.59	87.5	12B1-13	14	38	35	58	.80	12B2-13	16	39	50	59	1.21	12B3-13	20	39	70	59	1.72
14	85.61	93.6	12B1-14	14	43	35	64	.97	12B2-14	16	43	50	65	1.46	12B3-14	20	43	70	65	2.08
15	91.63	99.8	12B1-15	14	46	35	70	1.16	12B2-15	16	47	50	71	1.74	12B3-15	20	47	70	71	2.47
16	97.65	105.5	12B1-16	16	50	35	75	1.34	12B2-16	20	51	50	77	2.04	12B3-16	20	51	70	77	2.80
17	103.67	111.5	12B1-17	16	54	35	80	1.53	12B2-17	20	56	50	83	2.36	12B3-17	20	56	70	83	3.25
18	109.71	118.0	12B1-18	16	54	35	80	1.61	12B2-18	20	59	50	89	2.70	12B3-18	20	59	70	89	3.74
19	115.75	124.2	12B1-19	16	54	35	80	1.70	12B2-19	20	63	50	95	3.07	12B3-19	20	63	70	95	4.25
20	121.78	129.7	12B1-20	16	54	35	80	1.79	12B2-20	20	67	50	100	3.44	12B3-20	20	67	70	100	4.78
21	127.82	136.0	12B1-21	20	60	40	90	2.34	12B2-21	20	67	50	100	3.70	12B3-21	20	67	70	100	5.20
22	133.86	141.8	12B1-22	20	60	40	90	2.44	12B2-22	20	67	50	100	3.97	12B3-22	20	67	70	100	5.65
23	139.90	149.0	12B1-23	20	60	40	90	2.55	12B2-23	20	74	50	110	4.51	12B3-23	20	74	70	110	6.38
24	145.94	153.9	12B1-24	20	60	40	90	2.66	12B2-24	20	74	50	110	4.81	12B3-24	20	74	70	110	6.87
25	152.00	160.0	12B1-25	20	60	40	90	2.77	12B2-25	20	80	50	120	5.41	12B3-25	20	80	70	120	7.67
26	158.04	165.9	12B1-26	20	63	40	95	3.06	12B2-26	20	80	50	120	5.74	12B3-26	20	80	70	120	8.21
27	164.09	172.3	12B1-27	20	63	40	95	3.19	12B2-27	20	80	50	120	6.08	12B3-27	20	80	70	120	8.77
28	170.13	178.0	12B1-28	20	63	40	95	3.32	12B2-28	20	80	50	120	6.44	12B3-28	20	80	70	120	9.36
29	176.19	184.1	12B1-29	20	63	40	95	3.45	12B2-29	20	80	50	120	6.81	12B3-29	20	80	70	120	9.96
30	182.25	190.5	12B1-30	20	63	40	95	3.59	12B2-30	20	80	50	120	7.19	12B3-30	20	80	70	120	10.6
31	188.31	196.3	12B1-31	20	67	40	100	3.73	12B2-31	20	80	50	*120	7.59	12B3-31	25	87	70	*130	11.6
32	194.35	203.3	12B1-32	20	67	40	100	3.88	12B2-32	20	80	50	*120	8.00	12B3-32	25	87	70	*130	12.3
33	200.40	209.3	12B1-33	20	67	40	100	4.04	12B2-33	20	80	50	*120	8.42	12B3-33	25	87	70	*130	13.0
34	206.46	214.6	12B1-34	20	67	40	100	4.20	12B2-34	20	80	50	*120	8.86	12B3-34	25	87	70	*130	13.7
35	212.52	221.0	12B1-35	20	67	40	100	4.36	12B2-35	20	80	50	*120	9.32	12B3-35	25	87	70	*130	14.4
36	218.58	226.8	12B1-36	25	67	40	100	4.65	12B2-36	25	80	50	*120	9.7	12B3-36	25	87	70	*130	15.2
37	224.64	232.9	12B1-37	25	67	40	100	4.82	12B2-37	25	80	50	*120	10.2	12B3-37	25	87	70	*130	16.0
38	230.69	239.0	12B1-38	25	67	40	100	5.00	12B2-38	25	80	50	*120	10.7	12B3-38	25	87	70	*130	16.8
39	236.75	245.1	12B1-39	25	67	40	100	5.19	12B2-39	25	80	50	*120	11.2	12B3-39	25	87	70	*130	17.6
40	242.81	251.3	12B1-40	25	67	40	100	5.37	12B2-40	25	80	50	*120	11.8	12B3-40	25	87	70	*130	18.5
42	254.92	264.5	12B1-42	25	74	56	*110	7.42	12B2-42	25	94	63	*140	15.1	12B3-42	25	94	70	*140	20.7
45	273.09	282.5	12B1-45	25	74	56	*110	8.06	12B2-45	25	94	63	*140	16.9	12B3-45	25	94	70	*140	23.6
48	291.27	300.1	12B1-48	25	74	56	*110	8.72	12B2-48	25	94	63	*140	18.7	12B3-48	25	94	70	*140	26.6
50	303.39	312.3	12B1-50	25	74	56	*110	9.21	12B2-50	25	94	63	*140	20.0	12B3-50	25	94	70	*140	28.8
57	345.81	355.4	12B1-57	25	74	56	*110	11.10	12B2-57	25	94	63	*140	25.2	12B3-57	30	94	70	*140	37.0
60	363.99	373.0	12B1-60	25	74	56	*110	11.94	12B2-60	25	94	63	*140	27.5	12B3-60	30	94	70	*140	40.8
Cast Iron Wheels																				
57	345.81	354.0	12B1-57	29	60	56	100	6.7	12B2-57	29	72	63	120	12.0	12B3-57	39	84	70	140	16.5
76	460.98	469.9	12B1-76	29	60	56	100	10.3	12B2-76	29	80	63	135	17.0	12B3-76	39	96	75	160	24.0
95	576.17	585.1	12B1-95	29	60	65	100	14.2	12B2-95	29	80	70	135	21.0	12B3-95	39	102	82	170	32.0
114	691.36	700.6	12B1-114	29	60	65	100	23.3	12B2-114	44	80	70	135	30.5	12B3-114	49	102	82	170	46.0

All dimensions in mm. †Min. toleranced bore which can be machined in sprocket.
Steel Pinions 8 to 30 tooth minimum U.T.S. 600N/mm² - Above 30T - 410N/mm²
Stock Sprockets can be reworked to customers bore and keyway requirements, on 48 hour service.
Steel pinions (other than fabricated types) 8 to 30 tooth can be supplied with teeth induction hardened to 45Rc.
*Sprockets with an asterisk on hub Ø may be of fabricated construction.

Tel +44(0) 121 360 0155 Fax +44(0) 121 325 1079 Email sales@crossmorse.com

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

Conforming to ISO Std 606



Steel Pinion Cast Iron Wheel Steel Pinion Cast Iron Wheel Steel Pinion Cast Iron Wheel

Simplex Sprockets

Chain No. 16B-1
Pitch 25.4mm
Roller Dia. 15.88mm
Inside Width 17.02mm
Overall Width 38.7mm
Tooth Width B1 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 B2 47.7mm

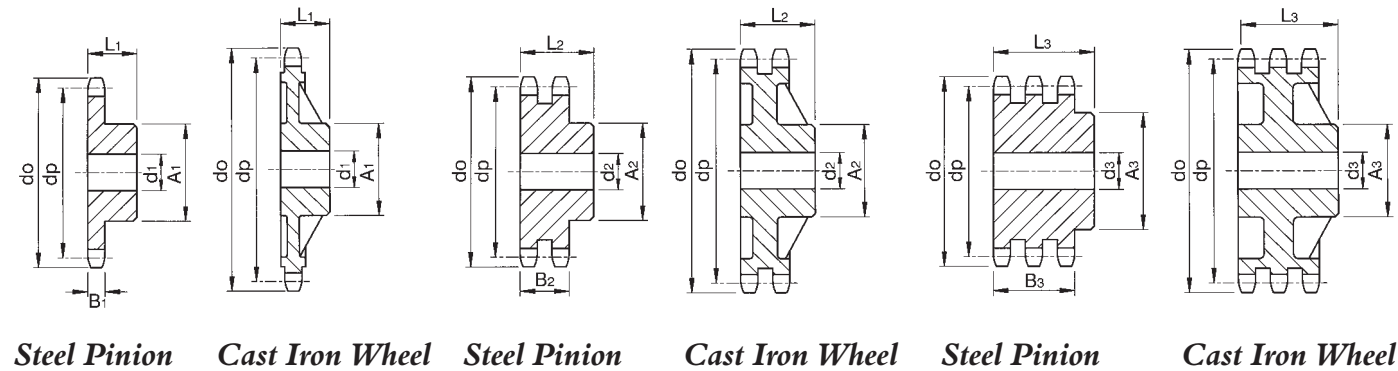
Triplex Sprockets

Chain No. 16B-3
Pitch 25.4mm
Roller Dia. 15.88mm
Inside Width 17.02mm
Overall Width 102.5mm
Tooth Width B3 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	.47	16B2-08	16	28	65	42	.81	16B3-08	20	28	95	42	1.18
9	74.27	85.0	16B1-09	16	34	35	50	.65	16B2-09	16	34	65	50	1.15	16B3-09	20	34	95	50	1.68
10	82.19	93.0	16B1-10	16	36	35	55	.82	16B2-10	16	37	65	56	1.52	16B3-10	20	37	95	56	2.23
11	90.14	99.5	16B1-11	16	40	40	61	1.06	16B2-11	20	43	70	64	2.08	16B3-11	25	43	100	64	2.85
12	98.14	109.0	16B1-12	16	46	40	69	1.34	16B2-12	20	47	70	72	2.60	16B3-12	25	47	100	72	3.61
13	106.12	117.0	16B1-13	16	52	40	78	1.68	16B2-13	20	54	70	80	3.19	16B3-13	25	54	100	80	4.45
14	114.15	125.0	16B1-14	16	56	40	84	2.03	16B2-14	20	58	70	88	3.83	16B3-14	25	58	100	88	5.36
15	122.17	133.0	16B1-15	16	61	40	92	2.41	16B2-15	20	64	70	96	4.52	16B3-15	25	64	100	96	6.36
16	130.20	141.0	16B1-16	20	67	45	100	3.12	16B2-16	25	69	70	104	5.17	16B3-16	30	69	100	104	7.27
17	138.22	149.0	16B1-17	20	67	45	100	3.31	16B2-17	25	75	70	112	5.98	16B3-17	30	75	100	112	8.43
18	146.28	157.0	16B1-18	20	67	45	100	3.52	16B2-18	25	80	70	120	6.84	16B3-18	30	80	100	120	9.67
19	154.33	165.2	16B1-19	20	67	45	100	3.74	16B2-19	25	85	70	128	7.76	16B3-19	30	85	100	128	11.0
20	162.38	173.2	16B1-20	20	67	45	100	3.97	16B2-20	25	87	70	130	8.52	16B3-20	30	87	100	130	12.2
21	170.43	181.2	16B1-21	20	74	50	110	4.89	16B2-21	25	87	70	*130	9.2	16B3-21	30	87	100	*130	13.4
22	178.48	189.3	16B1-22	20	74	50	110	5.14	16B2-22	25	87	70	*130	10.0	16B3-22	30	87	100	*130	14.7
23	186.53	197.5	16B1-23	20	74	50	110	5.41	16B2-23	25	87	70	*130	10.8	16B3-23	30	87	100	*130	16.0
24	194.59	205.5	16B1-24	20	74	50	110	5.69	16B2-24	25	87	70	*130	11.7	16B3-24	30	87	100	*130	17.4
25	202.66	213.5	16B1-25	20	74	50	110	5.99	16B2-25	25	87	70	*130	12.5	16B3-25	30	87	100	*130	18.8
26	210.72	221.6	16B1-26	20	80	50	120	6.78	16B2-26	25	87	70	*130	13.5	16B3-26	30	87	100	*130	20.4
27	218.79	229.6	16B1-27	20	80	50	120	7.10	16B2-27	25	87	70	*130	14.4	16B3-27	30	87	100	*130	21.9
28	226.85	237.7	16B1-28	20	80	50	120	7.43	16B2-28	25	87	70	*130	15.4	16B3-28	30	87	100	*130	23.6
29	234.92	245.8	16B1-29	20	80	50	120	7.78	16B2-29	25	87	70	*130	16.4	16B3-29	30	87	100	*130	25.3
30	243.00	254.0	16B1-30	20	80	50	120	8.13	16B2-30	25	87	70	*130	17.5	16B3-30	30	87	100	*130	27.1
31	251.08	262.0	16B1-31	25	80	50	*120	8.50	16B2-31	25	94	70	*140	19.0	16B3-31	30	94	100	*140	29.3
32	259.13	270.0	16B1-32	25	80	50	*120	8.88	16B2-32	25	94	70	*140	20.1	16B3-32	30	94	100	*140	31.2
33	267.21	278.5	16B1-33	25	80	50	*120	9.28	16B2-33	25	94	70	*140	21.3	16B3-33	30	94	100	*140	33.1
34	275.28	287.0	16B1-34	25	80	50	*120	9.68	16B2-34	25	94	70	*140	22.5	16B3-34	30	94	100	*140	35.2
35	283.36	296.2	16B1-35	25	80	50	*120	10.10	16B2-35	25	94	70	*140	23.8	16B3-35	30	94	100	*140	37.3
36	291.44	304.6	16B1-36	25	80	50	*120	10.5	16B2-36	25	94	70	*140	25.1	16B3-36	30	94	100	*140	39.4
37	299.51	312.6	16B1-37	25	80	50	*120	11.0	16B2-37	25	94	70	*140	26.4	16B3-37	30	94	100	*140	41.6
38	307.59	320.7	16B1-38	25	80	50	*120	11.5	16B2-38	25	94	70	*140	27.8	16B3-38	30	94	100	*140	43.9
39	315.67	328.8	16B1-39	25	80	50	*120	11.9	16B2-39	25	94	70	*140	29.2	16B3-39	30	94	100	*140	46.3
40	323.75	336.9	16B1-40	25	80	50	*120	12.4	16B2-40	25	94	70	*140	30.7	16B3-40	30	94	100	*140	48.7
42	339.89	353.0	16B1-42	25	94	70	*125	17.4	16B2-42	25	100	80	*150	35.6	16B3-42	30	107	100	*160	54.7
45	364.12	377.1	16B1-45	25	94	70	*125	19.0	16B2-45	25	100	80	*150	40.4	16B3-45	30	107	100	*160	62.7
48	388.36	401.3	16B1-48	25	94	70	*125	20.8	16B2-48	30	100	80	*150	45.5	16B3-48	30	107	100	*160	71.3
50	404.52	417.4	16B1-50	25	94	70	*125	22.0	16B2-50	30	100	80	*150	49.1	16B3-50	30	107	100	*160	77.3
57	461.08	474.0	16B1-57	30	94	70	*125	26.7	16B2-57	30	107	90	*160	65.2	16B3-57	40	120	110	*180	102.9
60	485.33	498.3	16B1-60	30	94	80	*140	30.1	16B2-60	40	107	90	*160	71.4	16B3-60	40	120	110	*180	113.8
Cast Iron Wheels																				
57	461.08	474.0	16B1-57	34	75	70	125	13.0	16B2-57	39	96	90	160	20.5	16B3-57	44	100	100	165	42.0
76	614.64	627.0	16B1-76	34	84	80	140	25.3	16B2-76	39	105	95	175	44.0	16B3-76	44	120	110	200	63.0
95	768.22	781.0	16B1-95	39	84	80	140	36.0	16B2-95	44	105	95	175	56.0	16B3-95	49	120	110	200	88.0
114	921.81	934.0	16B1-114	39	90	80	150	46.5	16B2-114	44	105	95	175	61.0	16B3-114	49	120	115	200	90.0

All dimensions in mm.
Steel Pinions 8 to 21 tooth minimum U.T.S. 600N/mm² - Above 21T - 410N/mm²
*Sprockets with an asterisk on hub Ø may be of fabricated construction.
Stock Sprockets can be reworked to customers bore and keyway requirements, on 48 hour service.
Steel pinions (other than fabricated types) 8 to 21 tooth can be supplied with teeth induction hardened to 45Rc.

Standard Sprockets for 1 1/4" 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 B₁ 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 B₂ 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 B₃ 91.0mm

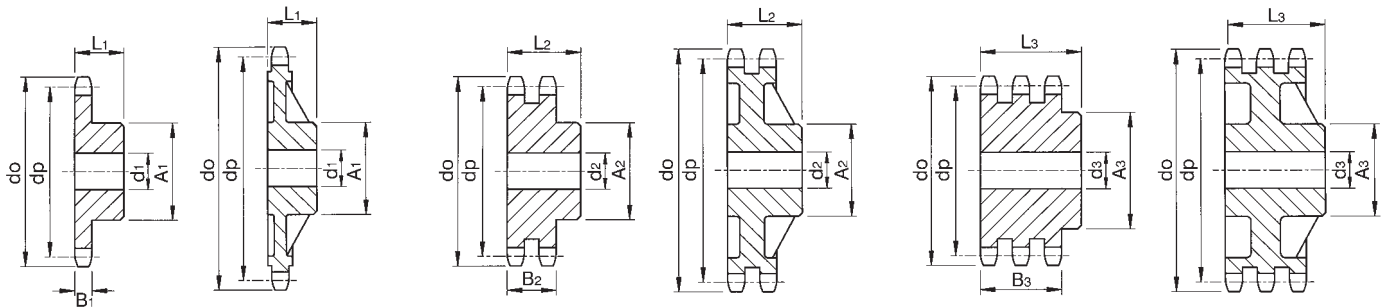
No. Teeth Z	Pitch Circle Ø dp	Outside Ø do	Simplex Sprocket						Duplex Sprocket						Triplex Sprocket					
			Cat. No.	Min.† Bore d ₁	Max. Bore d ₁	L.T.B. L ₁	Hub Ø A ₁	App. Weight kg	Cat. No.	Min.† Bore d ₂	Max. Bore d ₂	L.T.B. L ₂	Hub Ø A ₂	App. Weight kg	Cat. No.	Min.† Bore d ₃	Max. Bore d ₃	L.T.B. L ₃	Hub Ø A ₃	App. Weight kg
Steel Pinions																				
8	82.96	98.1	20B1-08	20	35	40	53	.85	20B2-08	20	35	75	53	1.57	20B3-08	25	35	110	53	2.14
9	92.84	108.0	20B1-09	20	42	40	63	1.18	20B2-09	20	42	75	63	2.19	20B3-09	25	42	110	63	3.04
10	102.74	117.9	20B1-10	20	46	40	70	1.50	20B2-10	20	46	75	70	2.84	20B3-10	25	46	110	70	4.02
11	112.68	127.8	20B1-11	20	51	45	77	2.02	20B2-11	25	54	80	80	3.71	20B3-11	30	54	115	80	5.17
12	122.68	137.8	20B1-12	20	58	45	88	2.57	20B2-12	25	60	80	90	4.65	20B3-12	30	60	115	90	6.53
13	132.65	147.8	20B1-13	20	65	45	98	3.14	20B2-13	25	67	80	100	5.69	20B3-13	30	67	115	100	8.03
14	142.68	157.8	20B1-14	20	72	45	108	3.77	20B2-14	25	74	80	110	6.83	20B3-14	30	74	115	110	9.68
15	152.72	167.9	20B1-15	20	78	45	118	4.45	20B2-15	25	80	80	120	8.07	20B3-15	30	80	115	120	11.5
16	162.75	177.9	20B1-16	25	80	50	120	5.22	20B2-16	30	80	80	120	8.88	20B3-16	30	80	115	120	13.1
17	172.78	187.9	20B1-17	25	80	50	120	5.57	20B2-17	30	80	80	120	9.90	20B3-17	30	80	115	120	14.7
18	182.85	198.0	20B1-18	25	80	50	120	5.95	20B2-18	30	80	80	*120	11.0	20B3-18	30	80	115	*120	16.5
19	192.91	208.1	20B1-19	25	80	50	120	6.35	20B2-19	30	80	80	*120	12.2	20B3-19	30	80	115	*120	18.4
20	202.98	218.1	20B1-20	25	80	50	120	6.77	20B2-20	30	80	80	*120	13.4	20B3-20	30	80	115	*120	20.5
21	213.04	228.2	20B1-21	30	94	55	140	8.73	20B2-21	30	94	80	*140	15.5	20B3-21	30	94	115	*140	23.4
22	223.11	238.2	20B1-22	30	94	55	140	9.20	20B2-22	30	94	80	*140	16.9	20B3-22	30	94	115	*140	25.6
23	233.17	248.3	20B1-23	30	94	55	140	9.68	20B2-23	30	94	80	*140	18.3	20B3-23	30	94	115	*140	28.0
24	243.23	258.4	20B1-24	30	94	55	140	10.2	20B2-24	30	94	80	*140	19.8	20B3-24	30	94	115	*140	30.5
25	253.33	268.5	20B1-25	30	94	55	140	10.8	20B2-25	30	94	80	*140	21.4	20B3-25	30	94	115	*140	33.1
26	263.40	278.6	20B1-26	30	100	55	*150	12.0	20B2-26	30	100	80	*150	23.4	20B3-26	30	100	115	*150	36.2
27	273.49	288.6	20B1-27	30	100	55	*150	12.6	20B2-27	30	100	80	*150	25.1	20B3-27	30	100	115	*150	39.0
28	283.56	298.7	20B1-28	30	100	55	*150	13.2	20B2-28	30	100	80	*150	26.9	20B3-28	30	100	115	*150	42.0
29	293.65	308.8	20B1-29	30	100	55	*150	13.8	20B2-29	30	100	80	*150	28.8	20B3-29	30	100	115	*150	45.0
30	303.75	318.9	20B1-30	30	100	55	*150	14.4	20B2-30	30	100	80	*150	30.7	20B3-30	30	100	115	*150	48.2
31	313.85	329.0	20B1-31	30	100	55	*150	15.1	20B2-31	30	100	80	*150	32.6	20B3-31	30	100	115	*150	51.5
32	323.91	339.1	20B1-32	30	100	55	*150	15.8	20B2-32	30	100	80	*150	34.7	20B3-32	30	100	115	*150	54.9
33	334.01	349.2	20B1-33	30	100	55	*150	16.5	20B2-33	30	100	80	*150	36.8	20B3-33	30	100	115	*150	58.4
34	344.10	359.3	20B1-34	30	100	55	*150	17.2	20B2-34	30	100	80	*150	39.0	20B3-34	30	100	115	*150	62.0
35	354.20	369.4	20B1-35	30	100	55	*150	18.0	20B2-35	30	100	80	*150	41.2	20B3-35	30	100	115	*115	65.8
36	364.30	379.5	20B1-36	30	100	55	*150	18.8	20B2-36	30	100	80	*150	43.6	20B3-36	30	100	115	*150	69.6
37	374.39	389.5	20B1-37	30	100	55	*150	19.6	20B2-37	30	100	80	*150	45.9	20B3-37	30	100	115	*150	73.6
38	384.49	399.6	20B1-38	30	100	55	*150	20.4	20B2-38	30	100	80	*150	48.4	20B3-38	30	100	115	*150	77.7
39	394.59	409.7	20B1-39	30	100	55	*150	21.3	20B2-39	30	100	80	*150	50.9	20B3-39	30	100	115	*150	86.2
40	404.69	419.8	20B1-40	30	100	55	*150	22.2	20B2-40	30	100	80	*150	53.5	20B3-40	30	100	115	*150	86.2
42	424.86	440.0	20B1-42	30	100	70	*150	26.8	20B2-42	30	107	90	*160	61.5	20B3-42	40	120	110	*180	95.8
45	455.15	470.3	20B1-45	30	100	70	*150	29.7	20B2-45	30	107	90	*160	70.1	20B3-45	40	120	110	*180	110.2
48	485.45	500.6	20B1-48	30	100	70	*150	33.0	20B2-48	30	107	90	*160	79.4	20B3-48	40	120	110	*180	125.6
50	505.65	520.8	20B1-50	30	100	70	*150	35.2	20B2-50	30	107	90	*160	85.9	20B3-50	40	120	110	*180	136.4
57	576.35	591.5	20B1-57	30	100	80	*150	45.2	20B2-57	40	107	100	*160	112.0	20B3-57	40	120	125	*180	180.8
60	606.66	621.8	20B1-60	30	100	80	*150	49.2	20B2-60	40	107	100	*160	123.8	20B3-60	40	120	125	*180	200.3
Cast Iron Wheels																				
57	576.35	591.5	20B1-57	39	80	80	135	25.6	20B2-57	49	96	100	160	45.0	20B3-57	62	108	125	180	65.0
76	768.30	783.5	20B1-76	49	84	90	140	39.0	20B2-76	55	108	100	180	65.0	20B3-76	63	120	140	200	85.0

All dimensions in mm.
Steel Pinions 8 to 21 tooth minimum U.T.S. 600N/mm² - Above 21T - 410N/mm²
Stock Sprockets can be reworked to customers bore and keyway requirements, on 48 hour service.
*Sprockets with asterisk on hub Ø may be of fabricated construction.
Steel pinions (other than fabricated types) 8 to 21 tooth can be supplied with teeth induction hardened to 45Rc.

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

Conforming to ISO Std 606



Steel Pinion Cast Iron Wheel Steel Pinion Cast Iron Wheel Steel Pinion Cast Iron Wheel

Simplex Sprockets

Chain No. 24B-1
Pitch 38.1mm
Roller Dia. 25.4mm
Inside Width 25.4mm
Overall Width 56.9mm
Tooth Width B₁ 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 B₂ 72.0mm

Triplex Sprockets

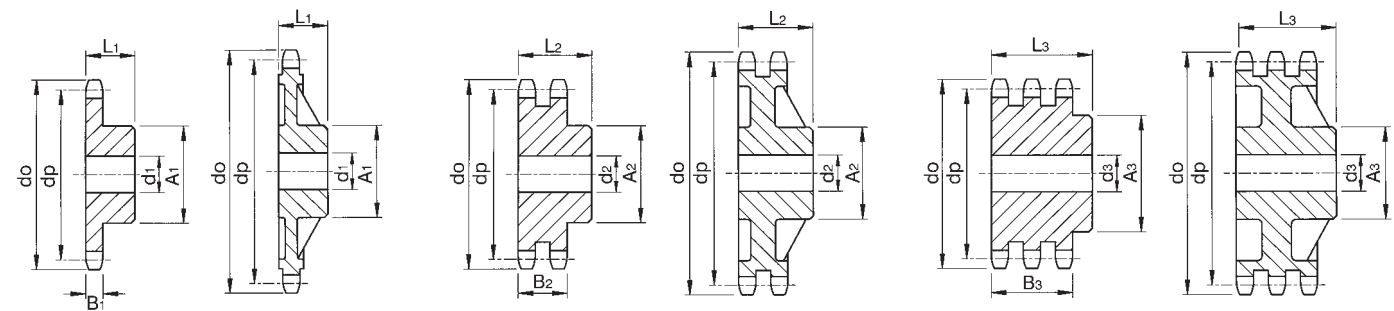
Chain No. 24B-3
Pitch 38.1mm
Roller Dia. 25.4mm
Inside Width 25.4mm
Overall Width 153.0mm
Tooth Width B₃ 120.3mm

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	99.55	115.0	24B1-08	20	38	45	58	1.35	24B2-08	25	38	95	58	2.66	24B3-08	25	38	140	58	3.95
9	111.40	126.4	24B1-08	20	46	45	70	1.88	24B2-09	25	46	95	70	3.75	24B3-09	25	46	140	70	5.56
10	123.29	138.0	24B1-10	20	54	45	80	2.42	24B2-10	25	54	95	80	4.96	24B3-10	25	54	140	80	7.38
11	135.21	150.0	24B1-11	25	60	50	90	3.22	24B2-11	25	60	100	90	6.56	24B3-11	30	60	150	90	9.66
12	147.22	162.0	24B1-12	25	68	50	102	4.04	24B2-12	25	68	100	102	8.22	24B3-12	30	68	150	102	12.2
13	159.18	174.2	24B1-13	25	76	50	114	4.95	24B2-13	25	76	100	114	10.1	24B3-13	30	76	150	114	15.0
14	171.22	186.2	24B1-14	25	85	50	128	6.03	24B2-14	25	85	100	128	12.2	24B3-14	30	85	150	128	18.1
15	183.26	198.2	24B1-15	25	94	50	140	7.13	24B2-15	25	94	100	140	14.4	24B3-15	30	88	150	132	21.4
16	195.30	210.3	24B1-16	25	94	55	*140	8.31	24B2-16	30	94	100	*140	16.0	24B3-16	30	92	150	136	24.9
17	207.34	222.3	24B1-17	25	94	55	*140	8.96	24B2-17	30	100	100	*150	18.4	24B3-17	30	94	150	*140	28.1
18	219.42	234.3	24B1-18	25	94	55	*140	9.64	24B2-18	30	100	100	*150	21.0	24B3-18	30	100	150	*150	32.0
19	231.49	246.5	24B1-19	25	94	55	*140	10.4	24B2-19	30	107	100	*160	23.2	24B3-19	30	107	150	*160	35.6
20	243.57	258.6	24B1-20	25	94	55	*140	11.2	24B2-20	30	107	100	*160	25.4	24B3-20	30	107	150	*160	39.4
21	255.65	270.6	24B1-21	30	100	60	*150	13.2	24B2-21	30	107	100	*160	27.9	24B3-21	40	107	150	*160	42.8
22	267.73	282.7	24B1-22	30	100	60	*150	14.1	24B2-22	30	107	100	*160	30.4	24B3-22	40	107	150	*160	47.0
23	279.80	294.8	24B1-23	30	100	60	*150	15.0	24B2-23	30	107	100	*160	33.1	24B3-23	40	107	150	*160	51.5
24	291.88	306.8	24B1-24	30	100	60	*150	15.9	24B2-24	30	107	100	*160	35.9	24B3-24	40	107	150	*160	56.1
25	304.00	319.0	24B1-25	30	100	60	*150	16.9	24B2-25	30	107	100	*160	38.8	24B3-25	40	107	150	*160	61.0
26	316.08	331.0	24B1-26	30	107	60	*160	18.6	24B2-26	30	107	100	*160	41.9	24B3-26	40	107	150	*160	66.1
27	328.19	343.2	24B1-27	30	107	60	*160	19.7	24B2-27	30	107	100	*160	45.1	24B3-27	40	107	150	*160	71.4
28	340.27	355.2	24B1-28	30	107	60	*160	20.8	24B2-28	30	107	100	*160	48.4	24B3-28	40	107	150	*160	77.0
29	352.38	367.3	24B1-29	30	107	60	*160	21.9	24B2-29	30	107	100	*160	51.8	24B3-29	40	107	150	*160	82.7
30	364.50	379.5	24B1-30	30	107	60	*160	23.1	24B2-30	30	107	100	*160	55.4	24B3-30	40	107	150	*160	88.7
31	376.62	391.6	24B1-31	30	107	60	*160	24.2	24B2-31	40	107	100	*160	58.7	24B3-32	40	107	150	*160	101.3
32	388.69	403.7	24B1-32	30	107	60	*160	25.5	24B2-32	40	107	100	*160	62.5		40	107	150	*160	107.9
33	400.81	415.8	24B1-33	30	107	60	*160	26.8	24B2-33	40	107	100	*160	66.5		40	107	150	*160	114.8
34	412.93	427.8	24B1-34	30	107	60	*160	28.2	24B2-34	40	107	100	*160	70.6		40	107	150	*160	121.8
35	425.04	440.0	24B1-35	30	107	60	*160	29.6	24B2-35	40	107	100	*160	74.8		40	107	150	*160	
36	437.16	452.0	24B1-36	30	107	60	*160	31.0	24B2-36	40	107	100	*160	79.2	24B3-36	40	107	150	*160	129.1
37	449.27	464.2	24B1-37	30	107	60	*160	32.5	24B2-37	40	107	100	*160	83.7	24B3-38	40	107	150	*160	144.3
38	461.39	476.2	24B1-38	30	107	60	*160	34.0	24B2-38	40	107	100	*160	88.3						
39	473.50	488.5	24B1-39	30	107	60	*160	35.6	24B2-39	40	107	100	*160	93.0						
40	485.62	500.6	24B1-40	30	107	60	*160	37.2	24B2-40	10	107	100	*160	97.9						
42	509.83	524.7	24B1-42	30	107	90	*160	46.0	24B2-42	40	120	100	*180	108.6	24B3-42	40	135	150	*200	178.6
45	546.19	561.2	24B1-45	30	107	90	*160	51.5	24B2-45	40	120	100	*180	124.9	24B3-45	40	135	150	*200	205.6
48	582.54	597.4	24B1-48	30	107	90	*160	57.4	24B2-48	40	120	100	*180	142.2	24B3-48	40	135	150	*200	234.5
50	606.78	621.7	24B1-50	30	107	90	*160	61.6	24B2-50	40	120	100	*180	154.5	24B3-50	40	135	150	*200	255.0
57	691.62	706.5	24B1-57	30	107	100	*160	79.0	24B2-57	40	135	110	*200	205.1	24B3-57	40	135	150	*220	335.8
60	727.99	742.8	24B1-60	30	107	100	*160	85.5	24B2-60	40	135	110	*200	227.1	24B3-60	40	135	150	*220	371.5
Cast Iron Wheels																				
57	691.62	706.5	24B1-57	44	96	100	160	42.5	24B2-57	54	120	110	200	73.0	24B3-57	62	120	150	200	117.0
76	921.96	936.9	24B1-76	44	102	100	170	66.5	24B2-76	54	132	120	220	127.0	24B3-76	69	150	150	250	180.0
95	1152.33	1167.3	24B1-95	50	120	125	200	82.0	24B2-95	55	132	140	220	163.0						

All dimensions in mm.
Steel Pinions 8 to 21 tooth minimum U.T.S. 600 N/mm² - Above 21T - 410N/mm²
*Sprockets with an asterisk on hub Ø may be of fabricated construction.
Stock Sprockets can be reworked to customers bore and keyway requirements, on 48 hour service.
Steel pinions (other than fabricated types) 8 to 21 tooth can be supplied with teeth induction hardened to 45Rc.

Email sales@crossmorse.com Fax +44(0) 121 325 1079 Tel +44(0) 121 360 0155

Standard Sprockets for 1 3/4" Pitch
British Standard Chains Type 28B
Conforming to ISO Std 606



Steel Pinion Cast Iron Wheel Steel Pinion Cast Iron Wheel Steel Pinion Cast Iron Wheel

Simplex Sprockets

Chain No. 28B-1
Pitch 44.45mm
Roller Dia. 27.94mm
Inside Width 30.99mm
Overall Width 71.3mm
Tooth Width B₁ 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 B₂ 88.4mm

Triplex Sprockets

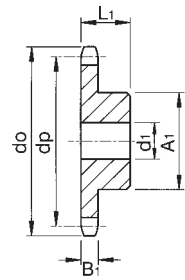
Chain No. 28B-3
Pitch 44.45mm
Roller Dia. 27.94mm
Inside Width 30.99mm
Overall Width 189.9mm
Tooth Width B₃ 148.0mm

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	2.8	28B2-08	30	48	120	74	4.7	28B3-08	30	48	180	74	7.0
9	129.96	148.4	28B1-09	25	59	70	88	3.9	28B2-09	30	59	120	88	6.6	28B3-09	30	59	180	88	9.8
10	143.85	162.3	28B1-10	25	67	70	100	5.1	28B2-10	30	67	120	100	8.7	28B3-10	30	67	180	100	13.0
11	157.77	176.3	28B1-11	25	75	70	112	6.4	28B2-11	30	75	120	112	11.1	28B3-11	30	75	180	120	16.6
12	171.74	189.5	28B1-12	25	83	70	125	7.9	28B2-12	30	83	120	125	13.8	28B3-12	30	83	180	125	20.7
13	185.75	204.2	28B1-13	25	83	70	*125	9.1	28B2-13	30	83	120	*125	16.4	28B3-13	30	83	180	*125	24.8
14	199.76	218.2	28B1-14	25	87	70	*130	10.3	28B2-14	30	87	120	*130	19.2	28B3-14	30	87	180	*130	29.2
15	213.79	232.2	28B1-15	25	95	70	*145	11.9	28B2-15	30	95	120	*145	22.5	28B3-15	30	95	180	*145	34.4
16	227.84	246.3	28B1-16	30	107	75	*160	14.9	28B2-16	30	107	120	*160	26.3	28B3-16	30	107	180	*160	40.2
17	241.91	260.0	28B1-17	30	107	75	*160	16.0	28B2-17	30	107	120	*160	29.5	28B3-17	30	107	180	*160	45.5
18	255.98	274.0	28B1-18	30	107	75	*160	17.1	28B2-18	30	107	120	*160	32.9	28B3-18	30	107	180	*160	51.1
19	270.06	289.0	28B1-19	30	107	75	*160	18.3	28B2-19	30	120	120	*180	37.9	28B3-19	30	120	180	*180	58.5
20	284.15	303.0	28B1-20	30	107	75	*160	19.6	28B2-20	30	120	120	*180	41.7	28B3-20	30	120	180	*180	64.9
21	298.24	317.0	28B1-21	30	114	75	*170	21.8	28B2-21	30	120	120	*180	45.7	28B3-21	40	120	180	*180	70.8
22	312.34	331.0	28B1-22	30	114	75	*170	23.2	28B2-22	30	120	120	*180	50.0	28B3-22	40	120	180	*180	77.9
23	326.44	345.0	28B1-23	30	114	75	*170	24.7	28B2-23	30	120	120	*180	54.5	28B3-23	40	120	180	*180	85.4
24	340.55	359.0	28B1-24	30	114	75	*170	26.2	28B2-24	30	120	120	*180	59.2	28B3-24	40	120	180	*180	93.2
25	354.66	373.0	28B1-25	30	114	75	*170	27.9	28B2-25	30	120	120	*180	64.0	28B3-25	40	120	180	*180	
26	368.77	387.0	28B1-26	30	114	75	*170	29.6	28B2-26	40	120	120	*180	69.2	28B3-26	40	120	180	*180	109.9
27	382.88	401.4	28B1-27	30	114	75	*170	31.3	28B2-27	40	120	120	*180	74.5	28B3-27	40	120	180	*180	118.8
28	397.00	416.0	28B1-28	30	114	75	*170	33.2	28B2-28	40	120	120	*180	80.0	28B3-28	40	120	180	*180	128.1
29	411.12	430.0	28B1-29	30	114	75	*170	35.0	28B2-29	40	120	120	*180	85.8						
30	425.24	444.0	28B1-30	30	114	75	*170	37.0	28B2-30	40	120	120	*180	91.3	28B3-30	40	120	180	*180	148.0
31	439.37	458.0	28B1-31	30	120	75	*180	40.1												
32	453.49	472.0	28B1-32	30	120	75	*180	42.2												
33	467.62	486.0	28B1-33	30	120	75	*180	44.4												
34	481.75	500.0	28B1-34	30	120	75	*180	46.6												
35	495.88	514.0	28B1-35	30	120	75	*180	48.9	28B2-35	40	134	120	*200	126.0	28B3-35	40	134	180	*200	205.0
36	510.01	529.0	28B1-36	30	120	75	*180	51.3												
37	524.14	543.0	28B1-37	30	120	75	*180	53.8												
38	538.27	557.0	28B1-38	30	120	75	*180	56.3	28B2-38	40	134	120	*200	148.5	28B3-38	40	134	180	*200	242.0
39	552.40	571.0	28B1-39	30	120	75	*180	58.9												
40	566.54	585.0	28B1-40	30	120	75	*180	61.6	28B2-40	40	134	120	*200	164.5	28B3-40	40	134	180	*200	270.0
45	637.22	656.0	28B1-45	30	120	90	*180	82.0	28B2-45	40	135	120	*200	210.0	28B3-45	40	135	180	*200	344.0
50	707.91	726.0	28B1-50	40	120	90	*180	98.0	28B2-50	40	135	120	*200	259.0	28B3-50	40	135	180	*200	427.0
57	806.89	825.0	28B1-57	40	125	100	*200	130.0	28B2-57	40	145	120	*220	340.0	28B3-57	40	145	180	*220	560.0

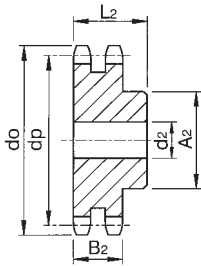
All dimensions in mm. †Min. tolerated bore which can be machined in sprocket.
Steel Pinions 8 to 21 tooth minimum U.T.S. 600 N/mm² - Above 21T - 410N/mm²
Stock Sprockets can be reworked to customers bore and keyway requirements, on 48 hour service.
*Sprockets with asterisk on hub Ø may be of fabricated construction.
Steel pinions (other than fabricated types) 8 to 21 tooth can be supplied with teeth induction hardened to 45Rc.

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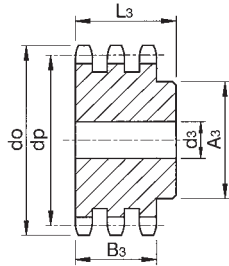
Standard Sprockets for 2" Pitch
British Standard Chains Type 32B
Conforming to ISO Std 606



Steel Pinion



Steel Pinion



Steel Pinion

Simplex Sprockets

Chain No. 32B-1
Pitch 50.8mm
Roller Dia. 29.21mm
Inside Width 30.99mm
Overall Width 68.6mm
Tooth Width B1 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 B2 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 B3 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	132.69	153.2	32B1-08	30	55	80	82	4.2	32B2-08	30	55	120	82	6.6	32B3-08	30	55	180	82	9.8
9	148.54	169.0	32B1-09	30	58	80	88	5.7	32B2-09	30	58	120	88	9.1	32B3-09	30	58	180	88	13.6
10	164.44	185.0	32B1-10	30	69	80	104	7.6	32B2-10	30	69	120	104	12.0	32B3-10	30	69	180	104	17.9
11	180.34	200.8	32B1-11	30	80	80	*120	9.2	32B2-11	35	80	120	120	14.7	32B3-11	35	80	180	120	22.1
12	196.29	216.8	32B1-12	30	90	80	*133	10.8	32B2-12	35	90	120	*133	17.8	32B3-12	35	90	180	*133	27.1
13	212.29	232.8	32B1-13	30	97	80	*145	12.9	32B2-13	35	97	120	*145	21.6	32B3-13	35	97	180	*145	32.8
14	228.29	248.8	32B1-14	30	103	80	*155	15.0	32B2-14	35	103	120	*155	25.5	32B3-14	35	103	180	*155	38.9
15	244.30	264.8	32B1-15	30	107	80	*160	16.8	32B2-15	35	107	120	*160	29.4	32B3-15	35	107	180	*160	45.2
16	260.40	280.9	32B1-16	30	107	90	*160	19.2	32B2-16	40	107	120	*160	33.0	32B3-16	40	107	180	*160	51.2
17	276.40	296.9	32B1-17	30	114	90	*170	21.9	32B2-17	40	120	120	*180	38.5	32B3-17	40	120	180	*180	59.5
18	292.55	313.0	32B1-18	30	114	90	*170	23.4	32B2-18	40	120	120	*180	42.9	32B3-18	40	120	180	*180	66.9
19	308.66	329.1	32B1-19	30	114	90	*170	25.0	32B2-19	40	134	120	*200	49.2	32B3-19	40	134	180	*200	76.3
20	324.71	345.2	32B1-20	30	120	90	*180	28.0	32B2-20	40	134	120	*200	54.2	32B3-20	40	134	180	*200	84.6
21	340.82	361.3	32B1-21	40	120	90	*180	29.8	32B2-21	40	134	120	*200	59.4	32B3-21	40	134	180	*200	93.3
22	356.98	377.5	32B1-22	40	120	90	*180	31.6	32B2-22	40	134	120	*200	65.0	32B3-22	40	134	180	*200	102.5
23	373.08	393.6	32B1-23	40	120	90	*180	33.6	32B2-23	40	134	120	*200	70.8	32B3-23	40	134	180	*200	112.2
24	389.18	409.7	32B1-24	40	120	90	*180	35.6	32B2-24	40	134	120	*200	76.9	32B3-24	40	134	180	*200	122.4
25	405.33	425.8	32B1-25	40	120	90	*180	37.7	32B2-25	40	134	120	*200	83.3	32B3-25	40	134	180	*200	133.0
26	421.44	441.9	32B1-26	40	120	90	*180	40.0	32B2-26	40	134	120	*200	89.9	32B3-26	40	134	180	*200	144.1
27	437.59	458.1	32B1-27	40	120	90	*180	42.3	32B2-27	40	134	120	*200	96.8	32B3-27	40	134	180	*200	155.6
28	453.69	474.2	32B1-28	40	120	90	*180	44.7	32B2-28	40	134	120	*200	104.0	32B3-28	40	134	180	*200	167.6
29	469.90	490.4	32B1-29	40	120	90	*180	47.2												
30	486.00	506.5	32B1-30	40	120	90	*180	49.7	32B2-30	40	134	120	*200	119.3	32B3-30	40	134	180	*200	193.0
32	581.26	538.8	32B1-32	40	120	90	*180	55.2												
35	566.72	589.5	32B1-35	40	120	90	*180	64.0												
38	615.14	635.5	32B1-38	40	120	90	*180	73.6	32B2-38	40	134	120	*200	176.0	32B3-38	40	134	180	*200	285.0
40	647.49	670.3	32B1-40	40	120	90	*180	80.5												
45	728.25	751.0	32B1-45	40	120	100	*180	112.7	32B2-45	40	140	120	*200	274.0	32B3-45	40	140	180	*200	449.0
50	809.04	831.8	32B1-50	40	120	100	*180	134.9	32B2-50	40	140	120	*200	338.0	32B3-50	40	140	180	*200	557.0
57	922.16	993.4	32B1-57	40	120	100	*180	187.1	32B2-57	40	145	120	*220	476.0	32B3-57	40	165	180	*250	782.0

All dimensions in mm.
Steel Pinions 8 to 21 tooth minimum U.T.S. 600 N/mm² - Above 21T - 410N/mm²
Stock Sprockets can be reworked to customers bore and keyway requirements, on 48 hour service.
*Sprockets with asterisk on hub Ø may be of fabricated construction.
Steel pinions (other than fabricated types) 8 to 21 tooth can be supplied with teeth induction hardened to 45Rc.

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