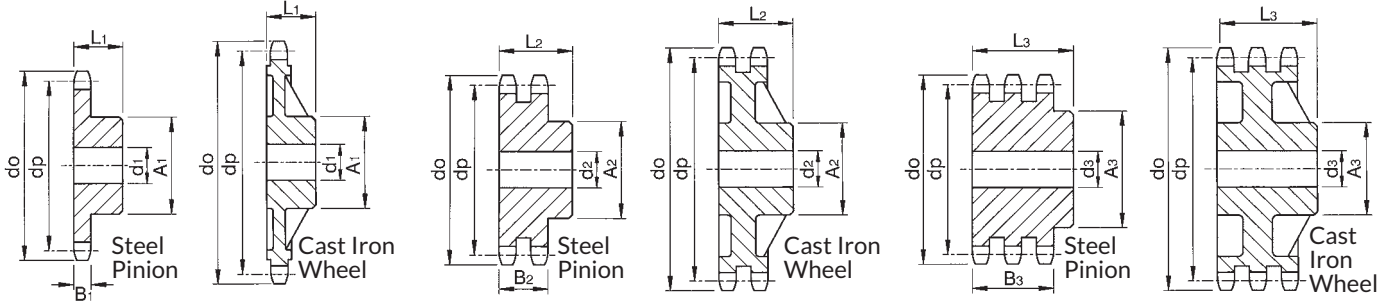


# Standard Sprockets for 5/8" Pitch British Standard Chains Type 10B

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
<b>Steel Pinions</b>																				
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
<b>Cast Iron Wheels</b>																				
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/mm<sup>2</sup>, which can be supplied with induction hardened teeth to 45Rc. Pinions above 40 teeth are in Steel with min 410N/mm<sup>2</sup> 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.