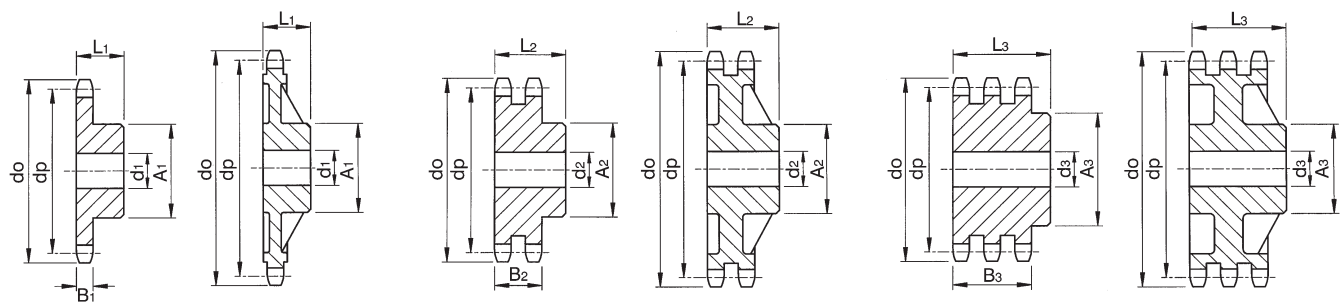


Standard Sprockets for $\frac{5}{8}$ " Pitch

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 are manufactured in steel with min. U.T.S. 490 N/mm².

Stock Sprockets can be reworked to customers bore and keyway requirements, on 48 hour service.

Steel pinions, other than fabricated types, 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.