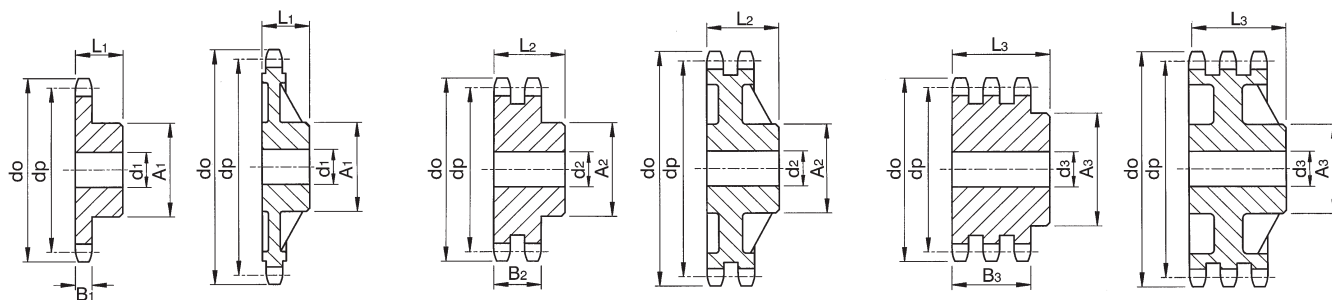


Standard Sprockets for 1½" Pitch British Standard Chains Type 24B

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	24B3-31	40	107	150	*160	94.8
32	388.69	403.7	24B1-32	30	107	60	*160	25.5	24B2-32	40	107	100	*160	62.5	24B3-32	40	107	150	*160	101.3
33	400.81	415.8	24B1-33	30	107	60	*160	26.8	24B2-33	40	107	100	*160	66.5	24B3-33	40	107	150	*160	107.9
34	412.93	427.8	24B1-34	30	107	60	*160	28.2	24B2-34	40	107	100	*160	70.6	24B3-34	40	107	150	*160	114.8
35	425.04	440.0	24B1-35	30	107	60	*160	29.6	24B2-35	40	107	100	*160	74.8	24B3-35	40	107	150	*160	121.8
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	24B3-37	40	107	150	*160	136.6
38	461.39	476.2	24B1-38	30	107	60	*160	34.0	24B2-38	40	107	100	*160	88.3	24B3-38	40	107	150	*160	144.3
39	473.50	488.5	24B1-39	30	107	60	*160	35.6	24B2-39	40	107	100	*160	93.0	24B3-39	40	107	150	*160	152.1
40	485.62	500.6	24B1-40	30	107	60	*160	37.2	24B2-40	10	107	100	*160	97.9	24B3-40	40	107	150	*160	160.4
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.

Sprockets with 8 to 40 teeth manufactured in steel with min. U.T.S. 490 N/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, can be supplied with teeth induction hardened to 45Rc.

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