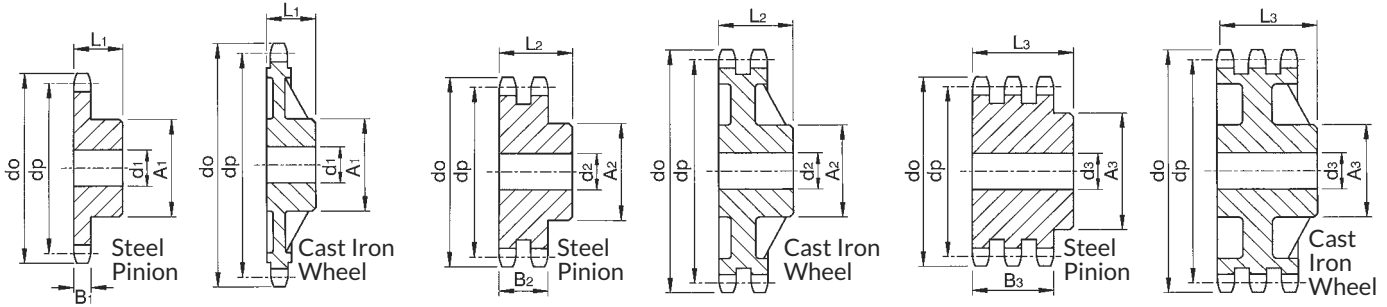


Standard Sprockets for 1½” Pitch British Standard Chains Type 24B

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.