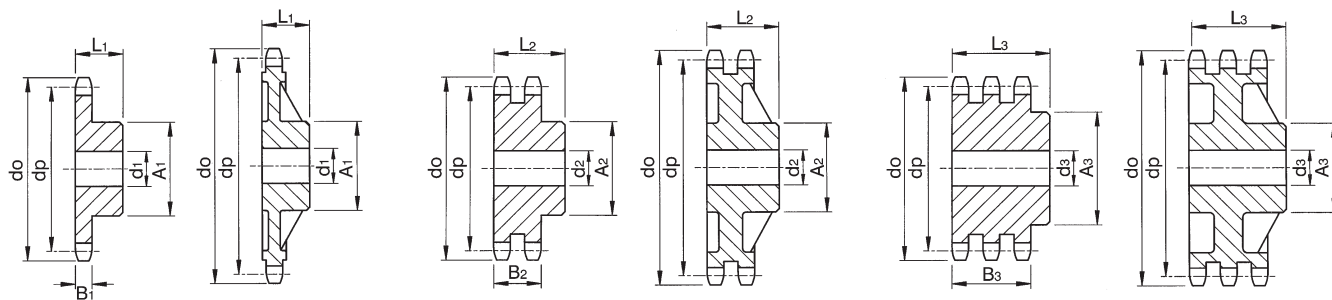


Standard Sprockets for 3/4" Pitch British Standard Chains Type 12B

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 B ₁	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 B ₂	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 B ₃	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.

Sprockets with 8 to 40 teeth 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.

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