



1/2" BS (08B) Platewheels 1/2" x 5/16" Steel C45



British Standard

Type	Radius size C	Tooth width B_1	Tooth width b_1	Tooth width B_2	Tooth width b_1	Tooth width B_3	Tooth width B_3
Simplex	1.3	7.2	-	-	-	-	-
Duplex	1.3	7.2	7.0	7.0	-	-	-
Triplex	1.3	7.2	7.0	21.0	34.9	-	-

Detail

Type A

Tooth radius $r_3 = 13$
Radius size $C = 1.3$
Tooth width $B_1 = 7.2$
Tooth width $b_1 = 7.0$
Tooth width $B_2 = 21.0$
Tooth width $B_3 = 34.9$

No. teeth	Outside dia. de	Pitch dia. dp	Simplex	Duplex	Triplex	No. teeth	Outside dia. de	Pitch dia. dp	Simplex	Duplex	Triplex	No. teeth	Outside dia. de	Pitch dia. dp	Simplex	Duplex	Triplex
			D1*	D2*	D3*				D1*	D2*	D3*				D1*	D2*	D3*
8	37.2	33.18	8	10	10	33	138.4	133.60	16	16	20	58	240.5	234.58	20	25	25
9	41	37.13	8	10	12	34	142.6	137.64	16	16	20	59	244.5	238.62	20	25	25
10	45.2	41.10	8	10	12	35	146.7	141.68	16	16	20	60	248.6	242.66	20	25	25
11	48.7	45.07	10	12	14	36	151	145.72	16	20	25	62	256.9	250.75	25	25	25
12	53	49.07	10	12	14	37	154.6	149.76	16	20	25	64	265.1	258.82	25	25	25
13	57.4	53.06	10	12	14	38	158.6	153.80	16	20	25	65	269	262.86	25	25	25
14	61.8	57.07	10	12	14	39	162.7	157.83	16	20	25	66	273	266.90	25	25	25
15	65.5	61.09	10	12	14	40	166.8	161.87	16	20	25	68	281	274.99	25	25	25
16	69.5	65.10	10	14	16	41	171.4	165.91	20	20	25	69	285	279.04	25	25	25
17	73.6	69.11	10	14	16	42	175.4	169.95	20	20	25	70	289	283.07	25	25	25
18	77.8	73.14	10	14	16	43	179.7	173.99	20	20	25	72	297.2	291.16	25	25	25
19	81.7	77.16	10	14	16	44	183.8	178.03	20	20	25	75	309.2	303.27	25	25	25
20	85.8	81.19	10	14	16	45	188	182.07	20	20	25	76	313.3	307.33	25	25	25
21	89.7	85.22	12	16	20	46	192.1	186.10	20	20	25	78	321.4	315.40	25	25	25
22	93.8	89.24	12	16	20	47	198.2	190.14	20	20	25	80	329.4	323.48	25	25	25
23	98.2	93.27	12	16	20	48	200.3	194.18	20	20	25	85	349	343.70	25	25	25
24	101.8	97.29	12	16	20	49	204.3	198.22	20	20	25	90	369.9	363.90	25	25	25
25	105.8	101.33	12	16	20	50	208.3	202.26	20	20	25	95	390.1	384.11	25	25	25
26	110	105.36	16	16	20	51	212.1	206.30	20	25	25	100	410.3	404.32	25	25	25
27	114	109.40	16	16	20	52	216.1	210.34	20	25	25	110	450.7	444.74	25	25	25
28	118	113.42	16	16	20	53	220.2	214.37	20	25	25	114	466.9	460.90	25	25	25
29	122	117.46	16	16	20	54	224.1	218.43	20	25	25	120	491.2	485.16	25	25	25
30	126.1	121.50	16	16	20	55	228.1	222.46	20	25	25	125	511.3	505.37	25	25	25
31	130.2	125.54	16	16	20	56	232.2	226.50	20	25	25	* Bore Ø H12					
32	134.3	129.56	16	16	20	57	236.4	230.54	20	25	25						

* Bore Ø H12

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to DIN 8187 ISO/R 606

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