

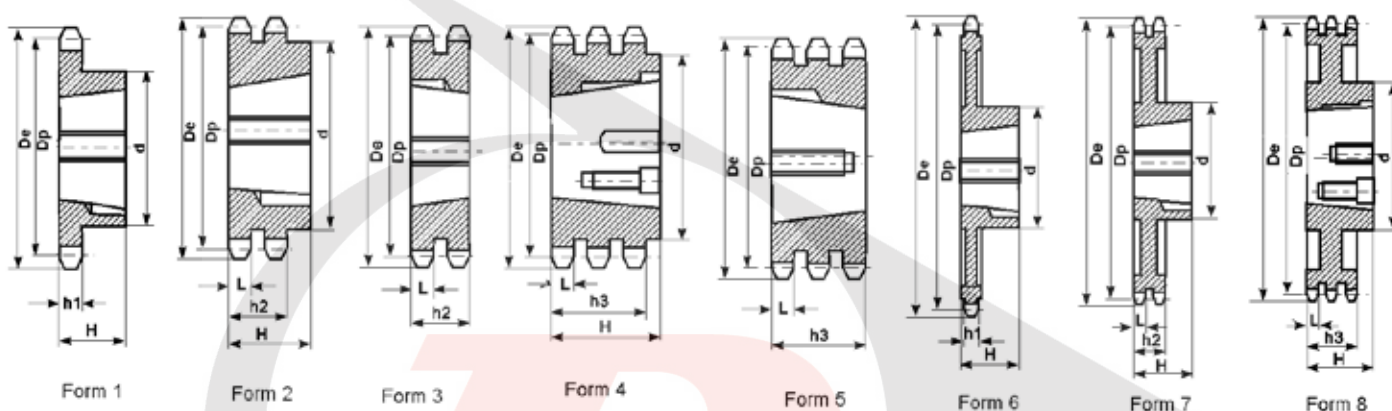
TAPER BORE SPROCKETS - STEEL & CAST IRON



TAPER BORE SPROCKETS - STEEL & CAST IRON

Description

Taper bore sprockets are manufactured to internationally recognised standards DIN8187-ISO/R 606 and are produced from C45 steel UNI EN 10083-1 having a minimum strength of 600 N/mm² and GG22 EN-GJL-200 UNI 1561 cast iron. They have a black phosphated finish to increase corrosion resistance so extending the sprockets working life. Conveniently stocked with a taper bore to suit a standard taper bush that are pre-bored to suit both metric & imperial bore and key way sizes. Available from stock to suit British standard roller chains from 06B (3/8" pitch) up to 20B (1-1/4" pitch) sizes in Simplex (single), Duplex (double) & Triplex (treble) rows of teeth.



06B Chain
3/8" x 7/32"

Pitch: 9.525mm
Internal width: 5.72mm
Roller dia: 6.35mm

Sprocket

Tooth radius: 10mm
Radius width C: 1mm
Tooth width h1: 5.3mm
Tooth width :L 5.2mm
Tooth width h2: 15.4mm
Tooth width h3: 25.6mm

06B-1 (31-)

06B-1 (32-)

06B-1 (33-)

Teeth	De	Dp	Simplex					Duplex					Triplex				
			Part No.	d	Bush	H	Form	Part No.	d	Bush	H	Form	Part No.	d	Bush	H	Form
17	55.30	51.83	31-17	45	1008	22	1	32-17	41	1008	22	2	33-17	-	1008	25,6	5
18	58.30	54.85	31-18	45	1008	22	1	32-18	43	1008	22	2	33-18	-	1008	-	-
19	61.30	57.87	31-19	45	1008	22	1	32-19	46	1008	22	2	33-19	-	1008	25,6	5
20	64.30	60.89	31-20	46	1008	22	1	32-20	48	1008	22	2	33-20	-	1008	-	-
21	68.00	63.91	31-21	46	1008	22	1	32-21	49	1008	22	2	33-21	-	1008	25,6	5
22	71.00	66.93	31-22	50	1108	22	1	32-22	52	1108	22	2	33-22	-	-	-	-
23	73.50	69.95	31-23	63	1210	25	1	32-23	59	1210	25	2	33-23	-	1210	25,6	5
24	77.00	72.97	31-24	63	1210	25	1	32-24	61	1210	25	2	33-24	-	-	-	-
25	80.00	76.02	31-25	63	1210	25	1	32-25	64	1210	25	2	33-25	-	1210	25,6	5
26	83.00	79.02	31-26	63	1210	25	1	32-26	65	1210	25	2	33-26	-	-	-	-
27	86.00	82.02	31-27	63	1210	25	1	32-27	70	1210	25	2	33-27	-	1210	25,6	5
28	89.00	85.07	31-28	63	1210	25	1	32-28	70	1210	25	2	33-28	-	-	-	-
30	94.70	91.12	31-30	63	1210	25	1	32-30	75	1210	25	2	33-30	79	1615	38	4
38	119.50	115.35	31-38	70	1210	25	1	32-38	80	1610	25	2	33-38	90	1615	38	4

TAPER BORE SPROCKETS - STEEL & CAST IRON



06B-1 (31-) continued

06B-1 (32-) continued

06B-1 (33-) continued

Teeth	De	Dp	Simplex					Duplex					Triplex				
			Part No.	d	Bush	H	Form	Part No.	d	Bush	H	Form	Part No.	d	Bush	H	Form
*45	140.70	136.55	31-45	70	1210	25	1 or 6	32-45	80	1610	25	2 or 7	33-45	-	-	-	-
*57	176.90	172.91	31-57	70	1210	25	1 or 6	32-57	80	1610	25	2 or 7	33-57	-	-	-	-
*76	234.90	230.49	31-76	70	1210	25	1 or 6	32-76	80	1610	25	2 or 7	33-76	-	-	-	-
*95	292.50	288.08	31-95	80	1210	25	1 or 6	32-95	90	1610	25	2 or 7	33-95	-	-	-	-
*114	349.50	345.68	31-114	80	1215	38	1 or 6	32-114	95	1615	38	2 or 7	33-114	-	-	-	-

08B Chain
1/2" x 5/16"

Pitch: 12.7mm
Internal width: 7.75mm
Roller dia: 8.51mm

Sprocket

Tooth radius r: 13mm
Radius width C: 1.3mm
Tooth width h1: 7.2mm
Tooth width L: 7mm
Tooth width h2: 21mm
Tooth width h3: 34.9mm

08B-1 (41-)

08B-2 (42-)

08B-3 (43-)

Teeth	De	Dp	Simplex					Duplex					Triplex				
			Part No.	d	Bush	H	Form	Part No.	d	Bush	H	Form	Part No.	d	Bush	H	Form
15	65.50	61.90	41-15	45	1008	22	1	42-15	46	1008	22	2	43-15	-	1008	34.9	5
16	69.50	65.10	41-16	50	1108	22	1	42-16	50	1108	22	2	43-16	-	-	-	-
17	73.60	69.11	41-17	60	1210	25	1	42-17	56	1210	25	2	43-17	-	1210	34.9	5
18	77.80	73.14	41-18	60	1210	25	1	42-18	60	1210	25	2	43-18	-	-	-	-
19	81.70	77.16	41-19	63	1210	25	1	42-19	62	1210	25	2	43-19	-	1210	34.9	5
20	85.80	81.19	41-20	71	1610	25	1	42-20	66	1610	25	2	43-20	-	-	-	-
21	89.70	85.22	41-21	71	1610	25	1	42-21	70	1610	25	2	43-21	-	1610	34.9	5
22	93.80	89.24	41-22	71	1610	25	1	42-22	76	1610	25	2	43-22	-	-	-	-
23	98.20	93.27	41-23	76	1610	25	1	42-23	79	1610	25	2	43-23	-	1610	34.9	5
24	101.80	97.29	41-24	76	1610	25	1	42-24	84	1610	25	2	43-24	-	-	-	-
25	105.80	101.33	41-25	76	1610	25	1	42-25	87	2012	32	2	43-25	-	2012	34.9	5
26	110.00	105.36	41-26	76	1610	25	1	42-26	87	2012	32	2	43-26	-	-	-	-
27	114.40	109.40	41-27	76	1610	25	1	42-27	87	2012	32	2	43-27	-	2012	34.9	5
28	118.00	113.42	41-28	90	2012	32	1	42-28	87	2012	32	2	43-28	-	-	-	-
30	126.10	121.50	41-30	90	2012	32	1	42-30	87	2012	32	2	43-30	-	2012	34.9	5
38	158.60	153.80	41-38	90	2012	32	1	42-38	100	2012	32	2	43-38	-	2012	34.9	5
*45	188.00	182.07	41-45	100	2012	32	1 or 6	42-45	100	2012	32	2 or 7	43-45	-	-	-	-
*57	236.40	230.54	41-57	100	2012	32	1 or 6	42-57	100	2012	32	2 or 7	43-57	-	-	-	-
*76	313.30	307.33	41-76	100	2012	32	1 or 6	42-76	100	2012	32	2 or 7	43-76	-	-	-	-
*95	390.10	384.11	41-95	100	2012	32	1 or 6	42-95	100	2012	32	2 or 7	43-95	-	-	-	-
*114	466.90	460.90	41-114	110	2517	45	1 or 6	42-114	110	2012	45	2 or 7	43-114	-	-	-	-

TAPER BORE SPROCKETS - STEEL & CAST IRON



10B Chain

5/8" x 3/8"

Pitch: 15.875mm
Internal width: 9.65mm
Roller dia: 10.16mm

Sprocket

Tooth radius r: 16mm
Radius width C: 1.6mm
Tooth width h1: 9.1mm
Tooth width L: 9mm
Tooth width h2: 25.5mm
Tooth width h3: 42.1mm

10B-1 (51-)

10B-2 (52-)

10B-3 (53-)

Teeth	De	Dp	Simplex					Duplex					Triplex				
			Part No.	d	Bush	H	Form	Part No.	d	Bush	H	Form	Part No.	d	Bush	H	Form
13	73.00	66.32	51-13	47	1008	22	1	52-13	-	-	-	-	53-13	-	-	-	-
14	78.00	71.34	51-14	52	1108	22	1	52-14	-	-	-	-	53-14	-	-	-	-
15	83.00	76.36	51-15	60	1210	25	1	52-15	-	1210	25,5	3	53-15	-	1210	42,1	5
16	88.00	81.37	51-16	70	1610	25	1	52-16	-	1610	25,5	3	53-16	-	-	-	-
17	93.00	86.36	51-17	71	1610	25	1	52-17	-	1610	25,5	3	53-17	-	1210	42,1	5
18	98.30	91.42	51-18	75	1610	25	1	52-18	-	1610	25,5	3	53-18	-	-	-	-
19	103.30	96.45	51-19	75	1610	25	1	52-19	-	1610	25,5	3	53-19	-	1615	42,1	5
20	108.40	101.49	51-20	75	1610	25	1	52-20	-	1610	25,5	3	53-20	-	-	-	-
21	113.40	106.52	51-21	76	1610	25	1	52-21	-	1610	25,5	3	53-21	-	1615	42,1	5
22	118.00	111.55	51-22	76	1610	25	1	52-22	-	1610	25,5	3	53-22	-	-	-	-
23	123.40	116.58	51-23	76	1610	25	1	52-23	-	1610	25,5	3	53-23	-	2012	42,1	5
24	128.30	121.62	51-24	90	1610	32	1	52-24	90	2012	32,0	2	53-24	-	-	-	-
25	134.00	126.66	51-25	90	2012	32	1	52-25	90	2012	32,0	2	53-25	105	2517	45,0	4
26	139.00	131.70	51-26	90	2012	32	1	52-26	90	2012	32,0	2	53-26	-	-	-	-
27	144.00	136.75	51-27	90	2012	32	1	52-27	90	2012	32,0	2	53-27	110	2517	45,0	4
28	148.70	141.78	51-28	90	2012	32	1	52-28	90	2012	32,0	2	53-28	-	-	-	-
30	158.80	151.87	51-30	90	2012	32	1	52-30	90	2012	32,0	2	53-30	120	2517	45,0	4
38	199.20	192.24	51-38	100	2012	32	1	52-38	108	2517	45,0	2	53-38	-	-	-	-
*45	235.00	227.58	51-45	100	2012	32	1 or 6	52-45	-	-	-	-	53-45	-	-	-	-
*57	296.00	288.18	51-57	100	2012	32	1 or 6	52-57	-	-	-	-	53-57	-	-	-	-
*76	392.10	384.16	51-76	100	2012	32	1 or 6	52-76	-	-	-	-	53-76	-	-	-	-
*95	488.50	480.14	51-95	110	2517	45	1 or 6	52-95	-	-	-	-	53-95	-	-	-	-
*114	584.10	576.13	51-114	110	2517	45	1 or 6	52-114	-	-	-	-	53-114	-	-	-	-

TAPER BORE SPROCKETS - STEEL & CAST IRON



12B Chain
3/4" x 7/16"

Pitch: 19.05mm
Internal width: 11.68mm
Roller dia: 12.07mm

Sprocket

Tooth radius r: 19mm
Radius width C: 2mm
Tooth width h1: 11.1mm
Tooth width L: 10.8mm
Tooth width h2: 30.3mm
Tooth width h3: 49.8mm

12B-1 (61-)

12B-2 (62-)

12B-3 (63-)

Teeth	De	Dp	Simplex					Duplex					Triplex				
			Part No.	d	Bush	H	Form	Part No.	d	Bush	H	Form	Part No.	d	Bush	H	Form
13	87.50	79.59	61-13	60	1210	25	1	62-13	-	-	-	-	63-13	-	-	-	-
14	93.60	85.61	61-14	70	1610	25	1	62-14	-	-	-	-	63-14	-	-	-	-
15	99.80	91.63	61-15	70	1610	25	1	62-15	-	1610	30.3	3	63-15	-	1615	49,8	5
16	105.50	97.65	61-16	75	1610	25	1	62-16	-	1610	30.3	3	63-16	-	-	-	-
17	111.50	103.67	61-17	76	1610	25	1	62-17	-	1610	30.3	3	63-17	-	2012	49,8	5
18	118.00	109.71	61-18	90	2012	32	1	62-18	90	2012	32	2	63-18	-	-	-	-
19	124.20	115.75	61-19	90	2012	32	1	62-19	90	2012	32	2	63-19	-	2012	49,8	5
20	129.70	121.78	61-20	90	2012	32	1	62-20	108	2517	45	2	63-20	-	-	-	-
21	136.00	127.82	61-21	102	2517	45	1	62-21	108	2517	45	2	63-21	-	2517	49,8	5
22	141.80	133.86	61-22	102	2517	45	1	62-22	108	2517	45	2	63-22	-	-	-	-
23	149.00	139.90	61-23	108	2517	45	1	62-23	108	2517	45	2	63-23	-	2517	49,8	5
24	153.90	145.94	61-24	108	2517	45	1	62-24	108	2517	45	2	63-24	-	-	-	-
25	160.00	152.00	61-25	108	2517	45	1	62-25	108	2517	45	2	63-25	-	2517	49,8	5
26	165.90	158.04	61-26	108	2517	45	1	62-26	108	2517	45	2	63-26	-	-	-	-
27	172.30	164.00	61-27	108	2517	45	1	62-27	108	2517	45	2	63-27	140	3020	51	4
28	178.00	170.13	61-28	108	2517	45	1	62-28	108	2517	45	2	63-28	-	-	-	-
30	190.50	182.25	61-30	108	2517	45	1	62-30	108	2517	45	2	63-30	140	3020	51	4
38	239.00	230.69	61-38	108	2517	45	1	62-38	140	3020	51	2	63-38	140	3020	51	4
*45	282.50	273.10	61-45	108	2517	45	1 or 6	62-45	140	3020	51	2 or 7	63-45	140	3020	51	4 or 8
*57	355.40	345.81	61-57	108	2517	45	1 or 6	62-57	140	3020	51	2 or 7	63-57	140	3020	51	4 or 8
*76	469.90	460.99	61-76	108	2517	45	1 or 6	62-76	140	3020	51	2 or 7	63-76	140	3020	51	4 or 8
*95	585.10	576.17	61-95	108	2517	45	1 or 6	62-95	140	3020	51	2 or 7	63-95	140	3020	76	4 or 8
*114	700.60	691.36	61-114	108	2525	64	1 or 6	62-114	140	3030	76	2 or 7	63-114	140	3030	76	4 or 8



TAPER BORE SPROCKETS - STEEL & CAST IRON



16B Chain
1" x 17.02mm

Pitch : 25.4mm
Internal width: 17.02mm
Roller dia: 15.88mm

Sprocket

Tooth radius r: 26mm
Radius width C: 2.5mm
Tooth width h1: 16.2mm
Tooth width L: 15.8mm
Tooth width h2: 47.7mm
Tooth width h3: 79.6mm

16B-1 (81-)

16B-2 (82-)

16B-3 (83-)

Teeth	De	Dp	Simplex					Duplex					Triplex				
			Part No.	d	Bush	H	Form	Part No.	d	Bush	H	Form	Part No.	d	Bush	H	Form
13	117.00	106.12	81-13	73	1610	25	1	82-13					83-13				
14	125.00	114.15	81-14	76	1610	25	1	82-14					83-14				
15	133.00	122.17	81-15	76	1610	25	1	82-15	-	2012	47.7	3	83-15				
16	141.00	130.20	81-16	90	2012	32	1	82-16	-	2517	47.7	3	83-16				
17	149.00	138.22	81-17	90	2012	32	1	82-17	-	2517	47.7	3	83-17		2517	79.6	5
18	157.00	146.28	81-18	108	2517	45	1	82-18	-	2517	47.7	3	83-18				
19	165.20	154.33	81-19	108	2517	45	1	82-19	-	2517	47.7	3	83-19		3020	79.6	5
20	173.20	162.38	81-20	108	2517	45	1	82-20	-	2517	47.7	3	83-20				
21	181.20	170.43	81-21	110	2517	45	1	82-21	140	3020	51	2	83-21		3020	79.6	5
22	189.30	178.48	81-22	110	2517	45	1	82-22	140	3020	51	2	83-22				
23	197.50	186.53	81-23	110	2517	45	1	82-23	140	3020	51	2	83-23		3525	79.6	5
24	205.50	194.59	81-24	110	2517	45	1	82-24	140	3020	51	2	83-24				
25	213.50	202.66	81-25	110	2517	45	1	82-25	140	3020	51	2	83-25		3525	79.6	5
26	221.60	210.72	81-26	110	2517	45	1	82-26	140	3020	51	2	83-26				
27	229.60	218.79	81-27	110	2517	45	1	82-27	140	3020	51	2	83-27		3525	79.6	5
28	237.70	226.85	81-28	110	2517	45	1	82-28	140	3020	51	2	83-28				
30	254.00	243.00	81-30	140	3020	51	1	82-30	140	3020	51	2	83-30	-	3525	79.6	5
38	320.70	307.59	81-38	140	3020	51	1	82-38	140	3020	51	2	83-38	-	3525	79.6	5
45	377.10	364.13	81-45	140	3020	51	1 or 6	82-45	140	3020	51	2 or 7	83-45	216	4030	79.6	5 or 8
*57	474.00	461.07	81-57	140	3020	51	1 or 6	82-57	175	3525	65	2 or 7	83-57	216	4030	79.6	5 or 8
*76	627.00	614.65	81-76	140	3020	51	1 or 6	82-76	175	3525	65	2 or 7	83-76	216	4030	79.6	5 or 8
*95	781.10	768.22	81-95	140	3020	51	1 or 6	82-95	215	3525	65	2 or 7	83-95	240	4030	79.6	5 or 8
*114	934.30	921.81	81-114	140	3030	76	1 or 6	82-114	215	4040	102	2 or 7	83-114	240	4545	115,0	4 or 8

20B-1 (101-)

Teeth	De	Dp	Simplex				
			Part No.	d	Bush	H	Form
13	147.80	132.65	101-13	90	2012	32	1
15	167.90	152.72	101-15	108	2517	45	1
17	187.90	172.78	101-17	108	2517	45	1
19	208.10	192.91	101-19	108	2517	45	1
21	228.20	213.04	101-21	108	2517	45	1
23	248.30	233.17	101-23	108	2517	45	1
25	268.50	253.33	101-25	108	2517	45	1
27	288.60	273.40	101-27	150	3020	51	1
30	318.90	303.75	101-30	150	3020	51	1
*38	399.60	384.49	101-38	160	3020	51	1 or 6
*45	470.30	455.17	101-45	160	3020	51	1 or 6
*57	591.50	576.36	101-57	160	3020	51	1 or 6
*76	783.50	768.32	101-76	160	3020	51	1 or 6

20B Chain
1-1/4" x 3/4"

Pitch : 31.75mm
Internal width: 19.56mm
Roller dia: 19.05mm

Sprocket

Tooth radius r: 32mm
Radius width C: 3.5mm
Tooth width h1: 18.5mm
Tooth width L: 18.2mm
Tooth width h2: 54.6mm
Tooth width h3: 91mm