BISON

Power the Motion



SPROCKETS TAPER BUSHINGS

CHAIN COUPLINGS GEARS & RACKS

OTHER TRANSMISSION PRODUCTS

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BISON

Power the Motion

Company Introduction

Hangzhou Bison Chain Transmission Co., ltd, with its exporting brand Bison & domestic brand SSP (Shenshi Chain), is a professional manufacturer in power transmission industry. Founded in Hangzhou in 2000 and moved to Jiande in 2017, Bison accumulates more than 20 years experience in producing and exporting industrial chain and sprockets to worldwide customers. Ever since founded, Bison is committed to manufacturing each valued customer full range of industrial chain and sprocket products, including roller chain, conveyor chain, agricultural chain, sprockets and other related parts.



All supplied products in Bison are produced under strict quality control procedures in accordance with ISO9001 quality management system. Bison has been keeping striving to offer solutions for applications with advanced engineering knowledge and capabilities. The chains and sprockets products we supplied are commonly used in material handling, conveying, packaging, agricultural machinery, wood processing, food industry and a variety of other applications. Taking the customer needs as the orientation, Bison will keep focusing on power your motion.



Product List

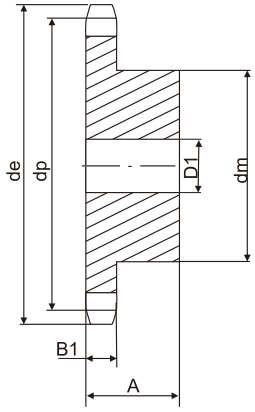
1-24	European standard sprockets & platewheels
25-30	American standard sprockets & platewheels
31-32	Taper Bushings
33	Chain couplings
34-35	Spur gears
36	Racks

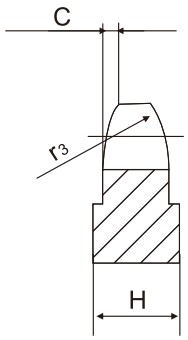
03B-1

SPROCKETS 5X2.5mm

For chain Acc.to DIN 8187
ISO/R 606







SPROCKETS	mm
Tooth radius r_3	5
Radius width C	0.6
Tooth width B_1	2.3

CHAIN	mm
Pitch	5
Internal width	2.5
Roller Φ	3.2

H=4mm,From Z=80 the width of the plate is increased

Z	d_e	d_p	SIMPLEX		
			d_m	D_1	A
8	15.2	13.06	7	4	10
9	16.8	14.62	8	5	10
10	18.3	16.18	9	5	10
11	19.9	17.75	11	6	10
12	21.5	19.32	12	6	10
13	23.0	20.89	14	6	10
14	24.6	22.47	15	6	10
15	26.2	24.04	16	6	10
16	27.8	25.63	18	8	13
17	29.4	27.20	18	8	13
18	30.9	28.79	18	8	13
19	32.5	30.38	18	8	13
20	34.1	31.96	18	8	13
21	35.7	33.54	20	8	13
22	37.3	35.13	20	8	13
23	38.9	36.72	20	8	13
24	40.5	38.30	20	8	13
25	42.0	39.89	20	8	13
26	43.6	41.48	25	8	15
27	45.2	43.07	25	8	15
28	46.8	44.65	25	8	15
29	48.4	46.25	25	8	15
30	50.0	47.83	25	8	15
31	51.6	49.42	30	8	15
32	53.2	51.01	30	8	15
33	54.8	52.60	30	8	15
34	56.3	54.19	30	8	15
35	57.9	55.78	30	8	15
36	59.5	57.37	30	8	15
37	61.1	58.96	30	8	15
38	62.7	60.54	30	8	15
39	64.3	62.13	30	8	15
40	65.9	63.73	30	8	15
41	67.5	65.30	40	8	18
42	69.1	66.91	40	8	18
43	70.6	68.49	40	8	18
44	72.2	70.09	40	8	18
45	73.8	71.68	40	8	18
46	75.4	73.27	40	8	18
47	77.0	74.86	40	8	18
48	78.6	76.45	40	8	18
49	80.2	78.03	40	8	18
50	81.8	79.63	40	8	18
51	83.4	81.22	40	8	18
52	85.0	82.81	40	8	18
53	86.6	84.40	40	8	18
54	88.1	85.97	40	8	18
55	89.7	87.58	40	8	18
56	91.3	89.17	40	8	18
57	92.9	90.76	40	8	18
58	94.5	92.35	50	8	20
59	96.1	93.94	50	8	20
60	97.7	95.53	50	8	20
62	100.9	98.72	50	8	20
64	104.1	101.90	50	8	20
65	105.6	103.49	50	8	20
66	107.2	105.08	50	8	20
68	110.4	108.26	50	8	20
70	113.6	111.44	50	8	20
72	116.8	114.63	50	8	20
75	121.6	119.40	50	8	20
76	123.1	120.99	50	8	20
78	126.3	124.17	70	8	30
80	129.5	127.35	70	8	30
85	137.5	135.31	70	8	30
90	145.4	143.27	70	8	30
95	153.4	151.22	70	8	30
100	161.3	159.18	70	8	30
110	177.2	175.09	70	8	30
114	183.6	181.45	70	8	30
120	193.2	191 01	70	8	30
125	201.1	198 96	70	8	30

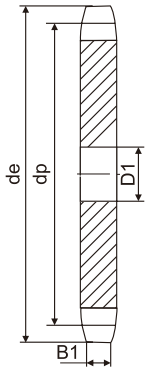
Z	de	d_p	S / D_1
8	15.2	13.06	4
9	16.8	14.62	4
10	18.3	16.18	4
11	19.9	17.15	5
12	21.5	19.32	5
13	23.0	20.89	5
14	24.6	22.47	5
15	26.2	24.04	5
16	27.8	25.63	6
17	29.4	27.20	6
18	30.9	28.79	6
19	32.5	30.38	6
20	34.1	31.96	6
21	35.7	33.54	8
22	37.3	35.13	8
23	38.9	36.72	8
24	40.5	38.30	8
25	42.0	39.89	8
26	43.6	41.48	8
27	45.2	43.07	8
28	46.8	44.65	8
29	48.4	46.25	8
30	50.0	47.83	8
31	51.6	49.42	8
32	53.2	51.01	8
33	54.8	52.60	8
34	56.3	54.19	8
35	57.9	55.78	8
36	59.5	57.37	8
37	61.1	58.96	8
38	62.7	60.54	8
39	64.3	62.13	8
40	65.9	63.73	8
41	67.5	65.30	8
42	69.1	66.91	8
43	70.6	68.49	8
44	72.2	70.09	8
45	73.8	71.68	8
46	75.4	73.27	8
47	77.0	74.86	8
48	78.6	76.45	8
49	80.2	78.03	8
50	81.8	79.63	8
51	83.4	81.22	10
52	85.0	82.81	10
53	86.6	84.40	10
54	88.1	85.97	10
55	89.7	87.58	10
56	91.3	89.17	10
57	92.9	90.76	10
58	94.5	92.35	10
59	96.1	93.94	10
60	97.7	95.53	10
62	100.9	98.72	12
64	104.1	101.90	12
65	105.6	103.49	12
66	107.2	105.08	12
68	110.4	108.26	12
70	113.6	111.44	12
72	116.8	114.63	12
75	121.6	119.40	12
76	123.1	120.99	12
78	126.3	124.17	12
80	129.5	127.35	12
85	137.5	135.31	14
90	145.4	143.27	14
95	153.4	151.22	14
100	161.3	159.18	14
110	177.2	175.09	14
114	183.6	181.45	14
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125	201.1	198.96	14

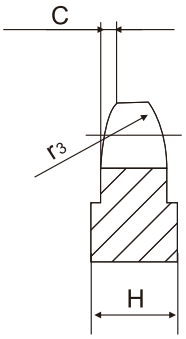
03A-1

PLATEWHEELS 5X2.5mm

For chain Acc.to DIN 8187
ISO/R 606







PLATEWHEELS	mm
Tooth radius r_3	5
Radius width C	0.6
Tooth width B_1	2.3

CHAIN	mm
Pitch	5
Internal width	2.5
Roller Φ	3.2

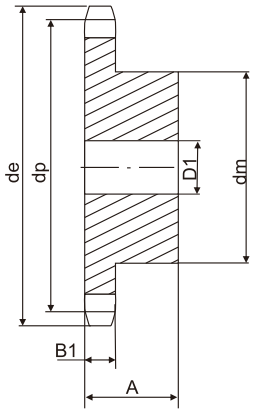
H=4mm,From Z=51 the width of the plate is increased

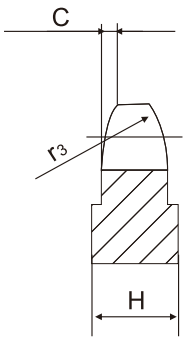
04B-1

SPROCKETS 6X2.8mm

For chain Acc.to DIN 8187
ISO/R 606







SPROCKETS	mm
Tooth radius r_3	6
Radius width C	0.7
Tooth width B_1	2.6

CHAIN	mm
Pitch	6
Internal width	2.8
Roller Φ	4

H=4mm,From Z=66 the width of the plate is increased

Z	d_e	d_p	SIMPLEX		
			d_m	D_1	A
8	18. 0	15. 67	9. 8	5	10
9	19. 9	17. 54	11. 5	5	10
10	21. 7	19. 42	13	6	10
11	23. 6	21. 30	14	6	10
12	25. 4	23. 18	16	6	10
13	27. 3	25. 05	18	8	10
14	29. 2	26. 96	20	8	10
15	31. 0	28. 86	20	8	10
16	33. 0	30. 76	20	8	13
17	35. 0	32. 65	20	8	13
18	36. 9	34. 55	20	8	13
19	38. 8	36. 44	20	8	13
20	40. 7	38. 34	20	8	13
21	42. 6	40. 25	25	8	13
22	44. 5	42. 16	25	8	13
23	46. 4	44. 06	25	8	13
24	48. 3	45. 96	25	8	13
25	50. 2	47. 87	25	8	13
26	52. 1	49. 76	30	8	15
27	54. 0	51. 67	30	8	15
28	55. 9	53. 58	30	8	15
29	57. 8	55. 50	30	8	15
30	59. 8	57. 42	30	8	15
31	61. 7	59. 31	30	8	15
32	63. 6	61. 21	30	8	15
33	65. 5	63. 11	30	8	15
34	67. 4	65. 02	30	8	15
35	69. 3	66. 93	30	8	15
36	71. 2	68. 84	30	8	15
37	73. 1	70. 75	30	8	15
38	75. 0	72. 66	30	8	15
39	76. 9	74. 57	30	8	15
40	78. 9	76. 47	30	8	15
41	80. 8	78. 38	40	8	18
42	82. 7	80. 28	40	8	18
43	84. 7	82. 20	40	8	18
44	86. 6	84. 10	40	8	18
45	88. 5	86. 01	40	8	18
46	90. 4	87. 92	40	8	18
47	92. 3	89. 83	40	8	18
48	94. 2	91. 74	40	8	18
49	96. 1	93. 64	40	8	18
50	98. 0	95. 55	40	8	18
51	99. 9	97. 46	40	8	18
52	101. 8	99. 37	40	8	18
53	103. 7	101. 27	40	8	18
54	105. 6	103. 17	40	8	18
55	107. 6	105. 08	40	8	18
56	109. 5	107. 00	40	8	18
57	111. 4	108. 93	40	8	18
58	113. 3	110. 82	50	8	20
59	115. 2	112. 71	50	8	20
60	117. 1	114. 62	50	8	20
62	120. 9	118. 45	50	8	20
64	124. 7	122. 27	50	8	20
65	126. 6	124. 18	50	8	20
66	128. 5	126. 09	50	8	20
68	132. 4	129. 91	50	8	20
70	136. 2	133. 73	50	8	20
72	140. 0	137. 55	50	8	20
75	145. 7	143. 28	50	8	20
76	147. 6	145. 19	50	8	20
78	151. 5	149. 01	70	8	30
80	155. 3	152. 82	70	8	30
85	164. 8	162. 37	70	8	30
90	174. 4	171. 92	70	8	30
95	183. 9	181. 47	70	8	30
100	193. 5	191. 01	70	8	30
110	212. 6	210. 11	70	8	30
114	220. 2	217. 75	70	8	30
120	231. 7	229. 20	70	8	30
125	241. 2	238. 75	70	8	30

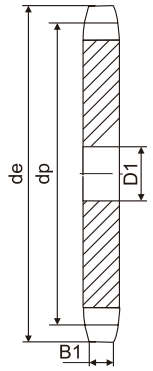
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8	18. 0	15. 67	5
9	19. 9	17. 54	5
10	21. 7	19. 42	6
11	23. 6	21. 30	6
12	25. 4	23. 16	6
13	27. 3	25. 05	8
14	29. 2	26. 96	8
15	31. 0	28. 86	8
16	33. 0	30. 76	8
17	35. 0	32. 65	8
18	36. 9	34. 55	8
19	38. 8	36. 44	8
20	40. 7	38. 34	8
21	42. 6	40. 25	8
22	44. 5	42. 16	8
23	46. 4	44. 06	8
24	48. 3	45. 96	8
25	50. 2	47. 87	8
26	52. 1	49. 76	8
27	54. 0	51. 67	8
28	55. 9	53. 58	8
29	57. 8	55. 50	8
30	59. 8	57. 42	8
31	61. 7	59. 31	8
32	63. 6	61. 21	8
33	65. 5	63. 11	8
34	67. 4	65. 02	8
35	69. 3	66. 93	8
36	71. 2	68. 84	8
37	73. 1	70. 75	8
38	75. 0	72. 66	8
39	76. 9	74. 57	8
40	78. 9	76. 47	8
41	80. 8	78. 38	10
42	82. 7	80. 28	10
43	84. 7	82. 19	10
44	86. 6	84. 10	10
45	88. 5	86. 01	10
46	90. 4	87. 92	10
47	92. 3	89. 93	10
48	94. 2	91. 74	10
49	96. 1	93. 64	10
50	98. 0	95. 55	10
51	99. 9	97. 46	12
52	101. 8	99. 37	12
53	103. 7	101. 27	12
54	105. 6	103. 17	12
55	107. 6	105. 08	12
56	109. 5	107. 00	12
57	111. 4	108. 93	12
58	113. 3	110. 82	12
59	115. 2	112. 71	12
60	117. 1	114. 62	12
62	120. 9	118. 45	14
64	124. 7	122. 27	14
65	126. 6	124. 18	14
66	128. 5	126. 09	14
68	132. 4	129. 91	14
70	136. 2	133. 73	14
72	140. 0	137. 55	16
75	145. 7	143. 28	16
76	147. 6	145. 19	16
78	151. 5	149. 01	16
80	155. 3	152. 82	16
85	164. 8	162. 37	16
90	174. 4	171. 92	16
95	183. 9	181. 47	16
100	193. 5	191. 01	16
110	212. 6	210. 11	16
114	220. 2	217. 75	16
120	231. 7	229. 20	16
125	241. 2	238. 75	16

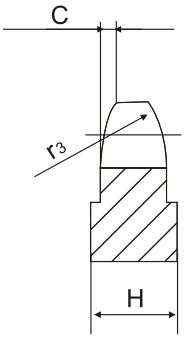
04A-1

PLATEWHEELS 6X2.8mm

For chain Acc.to DIN 8187
ISO/R 606







PLATEWHEELS	mm
Tooth radius r_3	6
Radius width C	0.7
Tooth width B_1	2.6

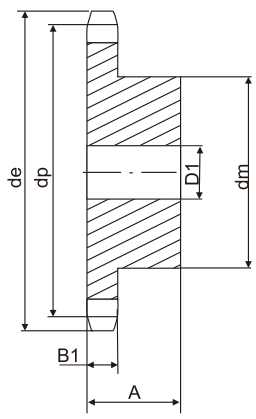
CHAIN	mm
Pitch	6
Internal width	2.8
Roller Φ	4

H=4mm,From Z=51 the width of the plate is increased

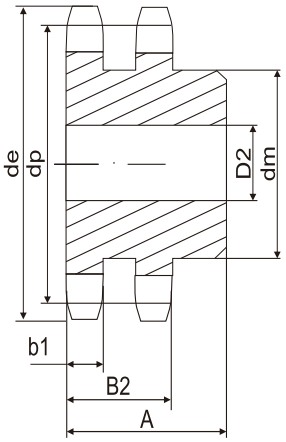
05B-1-2

SPROCKETS 8X3mm

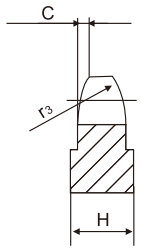
For chain Acc.to DIN 8187
ISO/R 606











SPROCKETS	mm
Tooth radius r_3	8
Radius width C	1.0
Tooth width B_1	2.8
Tooth width b_1	2.7
Tooth width B_2	8.3

CHAIN	mm
Pitch	8
Internal width	3
Roller Φ	5

Material: C 45
***Weld on hub**

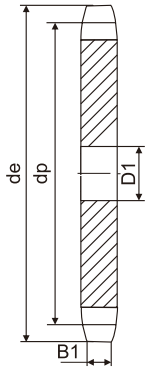
Z	d_e	d_p	SIMPLEX			DUPLEX		
			d_m	D_1	A	d_m	D_2	A
8	24.0	20.90	13	6	12	12	8	18
9	26.6	23.39	15	6	12	15	8	18
10	29.2	25.89	17	8	12	17	8	18
11	31.7	28.39	18	8	13	19	8	18
12	34.2	30.91	20	8	13	21	8	18
13	36.7	33.42	23	8	13	24	8	18
14	39.2	35.95	25	8	13	26	8	18
15	41.7	38.48	28	8	13	29	8	18
16	44.3	41.01	30	8	14	32	10	20
17	46.8	43.53	30	8	14	34	10	20
18	49.3	46.07	30	8	14	37	10	20
19	51.9	48.61	30	8	14	39	10	20
20	54.4	51.14	30	8	14	40	10	20
21	57.0	53.68	35	8	14	40	10	20
22	59.5	56.21	35	8	14	40	10	20
23	62.0	58.75	35	8	14	40	10	20
24	64.6	61.29	35	8	14	40	10	20
25	67.5	63.83	35	8	14	40	10	20
26	69.5	66.37	40	10	16	50	12	22
27	72.2	68.91	40	10	16	50	12	22
28	74.8	71.45	40	10	16	50	12	22
29	77.3	73.99	40	10	16	50	12	22
30	79.8	76.53	40	10	16	50	12	22
31	82.4	79.08	40	10	16	60	12	22
32	84.9	81.61	40	10	16	60	12	22
33	87.5	84.16	40	10	16	60	12	22
34	90.0	86.70	40	10	16	60	12	22
35	92.5	89.25	40	10	16	60	12	22
36	95.0	91.79	40	10	16	60	12	22
37	97.6	94.33	40	10	16	60	12	22
38	100.2	96.88	40	10	16	60	12	22
39	102.7	99.42	40	10	16	60	12	22
40	105.3	101.97	40	10	16	60	12	22
41	107.8	104.51	58	10	20	78	12	38
42	110.4	107.05	58	10	20	78	12	38
43	112.9	109.60	58	10	20	78	12	38
44	115.5	112.14	58	10	20	78	12	38
45	118.0	114.69	58	10	20	78	12	38
46	120.6	117.23	58	10	20	78	12	38
47	123.1	119.77	58	10	20	78	12	38
48	125.6	122.32	58	10	20	78	12	38
49	128.2	124.86	58	10	20	78	12	38
50	130.7	127.41	58	10	20	78	12	38
51	133.3	129.95	78	10	20	78	12	38
52	135.8	132.49	78	10	20	78	12	38
53	138.4	135.04	78	10	20	78	12	38
54	140.9	137.59	78	10	20	78	12	38
55	143.5	140.13	78	10	20	78	12	38
56	146.0	142.68	78	10	20	78	12	38
57	148.6	145.22	78	10	20	78	12	38
58	151.0	147.77	78	10	34	78	12	38
59	153.6	150.31	78	10	34	78	12	38
60	156.2	152.86	78	10	34	78	12	38
62	162.0	157.95	78	10	34	78	12	38
64	167.1	163.04	78	10	34	78	12	38
65	169.6	165.58	78	10	34	78	12	38
66	172.2	168.13	78	10	34	78	12	38
68	177.3	173.22	78	10	34	78	12	38
70	182.4	178.31	78	10	34	78	12	38
72	187.5	183.40	78	10	34	78	12	38
75	195.1	191.04	78	10	34	78	12	38
76	197.7	193.59	78	10	34	78	12	38
78	202.8	198.68	*78	10	34	*78	12	38
80	207.9	203.77	*78	10	34	*78	12	38
85	220.6	216.50	*78	10	34	*88	12	43
90	233.4	229.23	*78	10	34	*88	12	43
95	246.1	241.96	*78	10	34	*88	12	43
100	258.9	254.68	*78	10	34	*88	12	43
110	284.3	280.15	*88	10	39	*88	12	43
114	294.5	290.33	*88	10	39	*88	12	43
120	310.0	305.61	*88	10	39	*88	12	43
125	322.5	318.34	*88	10	39	*88	12	43

Z	d_e	d_p	S	D
			D_1	D_2
8	24.0	20.90	6	8
9	26.6	23.39	6	8
10	29.2	25.89	8	8
11	31.7	28.39	8	8
12	34.2	30.91	8	8
13	36.7	33.42	8	8
14	39.2	35.95	8	8
15	41.7	38.48	8	8
16	44.3	41.01	8	10
17	46.8	43.53	8	10
18	49.3	46.07	8	10
19	51.9	48.61	8	10
20	54.4	51.14	8	10
21	57.0	53.68	8	10
22	59.5	56.21	8	10
23	62.0	58.75	8	10
24	64.6	61.29	8	10
25	67.5	63.83	8	10
26	69.5	66.37	10	12
27	72.2	68.91	10	12
28	74.8	71.45	10	12
29	77.3	73.99	10	12
30	79.8	76.53	10	12
31	82.4	79.08	10	12
32	84.9	81.61	10	12
33	87.5	84.16	10	12
34	90.0	86.70	10	12
35	92.5	89.25	10	12
36	95.0	91.79	10	12
37	97.6	94.33	10	12
38	100.2	96.88	10	12
39	102.7	99.42	10	12
40	105.3	101.97	10	12
41	107.8	104.51	12	14
42	110.4	107.05	12	14
43	112.9	109.60	12	14
44	115.5	112.14	12	14
45	118.0	114.69	12	14
46	120.6	117.23	12	14
47	123.1	119.77	12	14
48	125.6	122.32	12	14
49	128.2	124.86	12	14
50	130.7	127.41	12	14
51	133.3	129.95	14	16
52	135.8	132.49	14	16
53	138.4	135.04	14	16
54	140.9	137.59	14	16
55	143.5	140.13	14	16
56	146.0	142.68	14	16
57	148.6	145.22	14	16
58	151.0	147.77	14	16
59	153.6	150.31	14	16
60	156.2	152.86	14	16
62	162.0	157.95	16	20
64	167.1	163.04	16	20
65	169.6	165.58	16	20
66	172.2	168.13	16	20
68	177.3	173.22	16	20
70	182.4	178.31	16	20
72	187.5	183.40	20	20
75	195.1	191.04	20	20
76	197.7	193.59	20	20
78	202.8	198.68	20	20
80	207.9	203.77	20	20
85	220.6	216.50	20	20
90	233.4	229.23	20	20
95	246.1	241.96	20	20
100	258.9	254.68	20	20
110	284.3	280.15	20	20
114	294.5	290.33	20	20
120	310.0	305.61	20	20
125	322.5	318.34	20	20

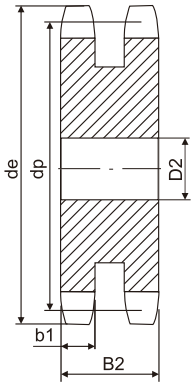
05A-1-2

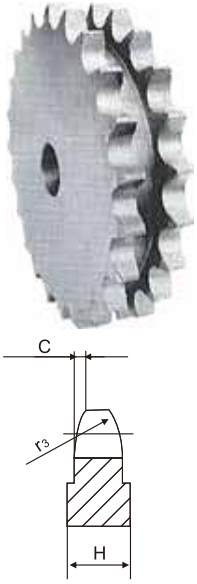
PLATEWHEELS 8X3mm

For chain Acc.to DIN 8187
ISO/R 606









PLATEWHEELS	mm
Tooth radius r_3	8
Radius width C	1.0
Tooth width B_1	2.8
Tooth width b_1	2.7
Tooth width B_2	8.3

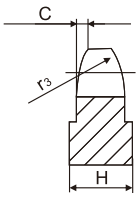
CHAIN	mm
Pitch	8
Internal width	3
Roller Φ	5

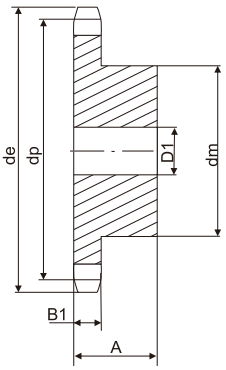
H=4mm,From Z=46 the width of the plate is increased

06B-1-2-3

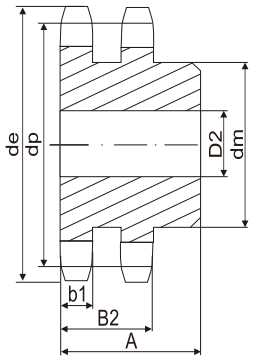
SPROCKETS 3/8″ X7/32″

For chain Acc.to DIN 8187
ISO/R 606

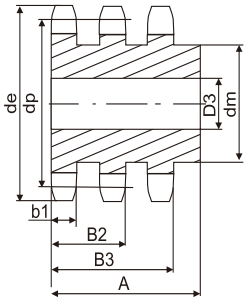














SPROCKETS	mm
Tooth radius r_3	10
Radius width C	1
Tooth width B_1	5.3
Tooth width b_1	5.2
Tooth width B_2	15.4
Tooth width B_3	25.6

CHAIN	mm
Pitch	9.525
Internal width	5.72
Roller Φ	6.35

Material: C 45
***Weld on hub**

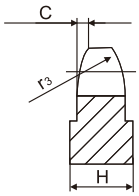
Z	d_e	d_p	SIMPLEX			DUPLEX			TRIPLEX		
			d_m	D_1	A	d_m	D_2	A	d_m	D_3	A
8	28.0	24.89	15	8	20	15	8	22	15	8	32
9	31.0	27.85	18	8	20	18	8	22	18	8	32
10	34.0	30.82	20	8	20	20	8	22	20	10	32
11	37.0	33.80	22	8	25	22	10	25	22	10	35
12	40.0	36.80	25	8	25	25	10	25	25	10	35
13	43.0	39.79	28	10	25	28	10	25	28	10	35
14	46.3	42.80	31	10	25	31	10	25	31	12	35
15	49.3	45.81	34	10	25	34	10	25	34	12	35
16	52.3	48.82	37	10	28	37	12	30	37	12	35
17	55.3	51.83	40	10	28	40	12	30	40	12	35
18	58.3	54.85	43	10	28	43	12	30	43	12	35
19	61.3	57.87	45	10	28	46	12	30	46	12	35
20	64.3	60.89	46	10	28	49	12	30	49	12	35
21	68.0	63.91	48	12	28	52	12	30	52	14	40
22	71.0	66.93	50	12	28	55	12	30	55	14	40
23	73.5	69.95	52	12	28	58	12	30	58	14	40
24	77.0	72.97	54	12	28	61	12	30	61	14	40
25	80.0	76.00	57	12	28	64	12	30	64	14	40
26	83.0	79.02	60	12	28	67	12	30	67	14	40
27	86.0	82.05	60	12	28	70	12	30	70	14	40
28	89.0	85.07	60	12	28	73	12	30	73	14	40
29	92.0	88.09	60	12	28	76	12	30	76	14	40
30	94.7	91.12	60	12	28	79	12	30	79	14	40
31	98.3	94.15	65	14	30	80	16	30	80	16	40
32	101.3	97.17	65	14	30	80	16	30	80	16	40
33	104.3	100.20	65	14	30	80	16	30	80	16	40
34	107.3	103.23	65	14	30	80	16	30	85	16	40
35	110.4	106.26	65	14	30	80	16	30	85	16	40
36	113.4	109.29	70	14	30	90	16	30	90	16	40
37	116.4	112.32	70	14	30	90	16	30	90	16	40
38	119.5	115.35	70	14	30	90	16	30	90	16	40
39	122.5	118.37	70	14	30	90	16	30	90	16	40
40	125.5	121.40	70	14	30	90	16	30	90	16	40
41	128.5	124.43	78	14	32	90	16	40	90	16	56
42	131.6	127.46	78	14	32	90	16	40	90	16	56
43	134.6	130.49	78	14	32	90	16	40	90	16	56
44	137.6	133.52	78	14	32	90	16	40	90	16	56
45	140.7	136.55	78	14	32	90	16	40	90	16	56
46	143.7	139.58	78	14	32	90	16	40	90	16	56
47	146.7	142.61	78	14	32	90	16	40	90	16	56
48	149.7	145.64	78	14	32	90	16	40	90	16	56
49	152.7	148.66	78	14	32	90	16	40	90	16	56
50	155.7	151.69	78	14	32	90	16	40	90	16	56
51	158.7	154.72	78	14	32	90	16	40	90	16	56
52	161.8	157.75	78	14	32	90	16	40	90	16	56
53	164.8	160.78	78	14	32	90	16	40	90	16	56
54	167.8	163.82	78	14	32	90	16	40	90	16	56
55	170.8	166.85	78	14	32	90	16	40	90	16	56
56	173.8	169.88	78	14	32	90	16	40	90	16	56
57	176.9	172.91	78	14	32	90	16	40	90	16	56
58	179.9	175.93	78	14	32	90	16	40	90	16	56
59	183.0	178.96	78	14	32	90	16	40	90	16	56
60	186.0	181.99	78	14	32	90	16	40	90	16	56
62	192.1	188.06	78	14	32	90	16	40	90	16	56
64	198.2	194.12	78	14	32	90	16	40	90	16	56
65	201.6	197.15	*78	14	32	*90	16	40	*90	16	56
66	204.6	200.18	*78	14	32	*90	16	40	*90	16	56
68	210.7	206.24	*78	14	32	*90	16	40	*90	16	56
70	216.7	212.30	*78	14	32	*90	16	40	*90	16	56
72	222.8	218.37	*78	14	32	*90	16	40	*90	16	56
75	231.9	227.46	*78	14	32	*90	16	40	*90	16	56
76	234.9	230.49	*78	14	32	*90	16	40	*90	16	56
78	241.0	236.55	*78	14	32	*90	16	40	*90	16	56
80	247.1	242.61	*78	14	32	*90	16	40	*90	16	56
85	262.2	257.77	*80	14	32	*90	16	40	*90	16	56
90	277.4	272.93	*80	14	32	*90	16	40	*90	16	56
95	292.5	288.08	*80	14	32	*90	16	40	*90	16	56
100	307.7	303.25	*80	14	32	*90	16	40	*90	16	56
110	338.0	333.55	*80	14	32	*90	16	40	*90	16	56
114	349.5	345.68	*80	14	32	*90	16	40	*90	16	56
120	368.3	363.86	*80	14	32	*90	16	40	*90	16	56
125	383.5	379.02	*80	14	32	*90	16	40	*90	16	56

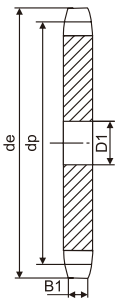
Z	d_e	d_p	S D_1	D D_2	T D_3
8	28.0	24.89	6	8	8
9	31.0	27.85	8	8	8
10	34.0	30.82	8	8	10
11	37.0	33.80	8	10	10
12	40.0	36.80	8	10	10
13	43.0	39.79	8	10	10
14	46.3	42.80	8	10	12
15	49.3	45.81	8	10	12
16	52.3	48.82	10	12	12
17	55.3	51.83	10	12	12
18	58.3	54.85	10	12	12
19	61.3	57.87	10	12	12
20	64.3	60.89	10	12	12
21	68.0	63.91	10	12	14
22	71.0	66.93	10	12	14
23	73.5	69.95	10	12	14
24	77.0	72.97	10	12	14
25	80.0	76.02	10	12	14
26	83.0	79.02	10	12	14
27	86.0	82.02	10	12	14
28	89.0	85.07	10	12	14
29	92.0	88.09	10	12	14
30	94.7	91.12	10	12	14
31	98.3	94.15	12	14	16
32	101.3	97.17	12	14	16
33	104.3	100.20	12	14	16
34	107.3	103.23	12	14	16
35	110.4	106.26	12	14	16
36	113.4	109.29	12	14	16
37	116.4	112.32	12	14	16
38	119.5	115.35	12	14	16
39	122.5	118.37	12	14	16
40	125.5	121.40	12	14	16
41	128.5	124.43	16	16	16
42	131.6	127.46	16	16	16
43	134.6	130.49	16	16	16
44	137.6	133.52	16	16	16
45	140.7	136.55	16	16	16
46	143.7	139.58	16	16	16
47	146.7	142.61	16	16	16
48	149.7	145.64	16	16	16
49	152.7	148.66	16	16	16
50	155.7	151.69	16	16	16
51	158.7	154.72	16	16	20
52	161.8	157.75	16	16	20
53	164.8	160.78	16	16	20
54	167.8	163.82	16	16	20
55	170.8	166.85	16	16	20
56	173.8	169.88	16	16	20
57	176.9	172.91	16	16	20
58	179.9	175.93	16	16	20
59	183.0	178.96	16	16	20
60	186.0	181.99	16	16	20
62	192.1	188.06	20	20	20
64	198.2	194.12	20	20	20
65	201.6	197.15	20	20	20
66	204.6	200.18	20	20	25
68	210.7	206.24	20	20	25
70	216.7	212.30	20	20	25
72	222.8	218.37	20	20	25
75	231.9	227.46	20	20	25
76	234.9	230.49	20	20	25
78	241.0	236.55	20	20	25
80	247.1	242.61	20	20	25
85	262.2	257.77	20	20	25
90	277.4	272.93	20	20	25
95	292.5	288.08	20	20	25
100	307.7	303.25	20	20	25
110	338.0	333.55	20	20	25
114	349.5	345.68	20	20	25
120	368.3	363.86	20	20	25
125	383.5	379.02	20	20	25

06A-1-2-3

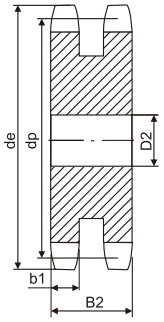
PLATEWHEELS 3/8″ X7/32″

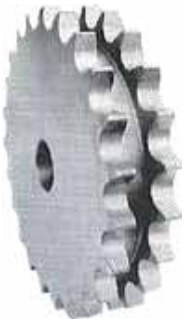
For chain Acc.to DIN 8187
ISO/R 606

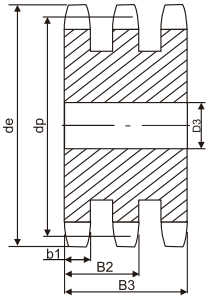














PLATEWHEELS	mm
Tooth radius r_3	10
Radius width C	1
Tooth width B_1	5.3
Tooth width b_1	5.2
Tooth width B_2	15.4
Tooth width B_3	25.6

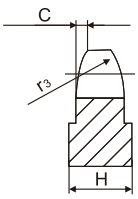
CHAIN	mm
Pitch	9.525
Internal width	5.72
Roller Φ	6.35

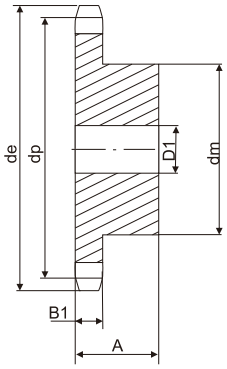
H=4mm,From Z=100 the width of the plate is increased

08B-1-2-3

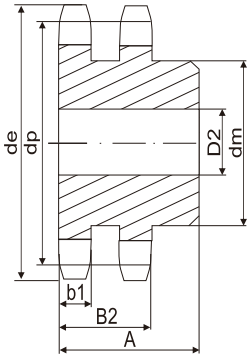
SPROCKETS 1/2″ X5/16″

For chain Acc.to DIN 8187
ISO/R 606

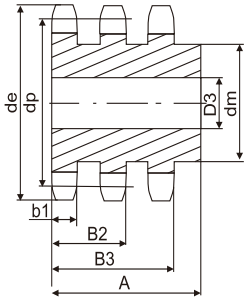














SPROCKETS	mm
Tooth radius r_3	13
Radius width C	1.3
Tooth width B_1	7.2
Tooth width b_1	7
Tooth width B_2	21
Tooth width B_3	34.9

CHAIN	mm
Pitch	12.7
Internal width	7.75
Roller Φ	8.51

Material: C 45
***Weld on hub**

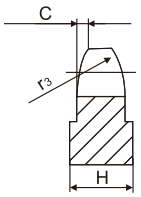
Z	d_e	d_p	SIMPLEX			DUPLEX			TRIPLEX		
			d_m	D_1	A	d_m	D_2	A	d_m	D_3	A
8	37. 2	33.18	20	10	25	20	10	32	20	10	46
9	41.0	37.13	24	10	25	24	10	32	24	12	46
10	45.2	41.10	26	10	25	28	10	32	28	12	46
11	48.7	45.07	29	10	25	32	12	35	32	14	50
12	53.0	49.07	33	10	28	35	12	35	35	14	50
13	57.4	53.06	37	10	28	38	12	35	38	14	50
14	61.8	57.07	41	10	28	42	12	35	42	14	50
15	65.5	61.09	45	10	28	46	12	35	46	14	50
16	69.5	65.10	50	12	28	50	14	35	50	16	50
17	73.6	69.11	52	12	28	54	14	35	54	16	50
18	77.8	73.14	56	12	28	58	14	35	58	16	50
19	81.7	77.16	60	12	28	62	14	35	62	16	50
20	85.8	81.19	64	12	28	66	14	35	66	16	50
21	89.7	85.22	68	12	28	70	16	40	70	16	55
22	93.8	89.24	70	12	28	70	16	40	70	16	55
23	98.2	93.27	70	14	28	70	16	40	70	16	55
24	101.8	97.29	70	14	28	75	16	40	75	16	55
25	105.8	101.33	70	14	28	80	16	40	80	16	55
26	110.0	105.36	70	16	30	85	16	40	85	20	55
27	114.0	109.40	70	16	30	85	16	40	85	20	55
28	118.0	113.42	70	16	30	90	16	40	90	20	55
29	122.0	117.46	80	16	30	95	16	40	95	20	55
30	126.1	121.50	80	16	30	100	16	40	100	20	55
31	130.2	125.54	90	16	30	100	20	40	110	20	55
32	134.3	129.56	90	16	30	100	20	40	110	20	55
33	138.4	133.60	90	16	30	100	20	40	110	20	55
34	142.6	137.64	90	16	30	100	20	40	110	20	55
35	146.7	141.68	90	16	30	100	20	40	110	20	55
36	151.0	145.72	90	16	35	100	20	40	120	25	55
37	154.6	149.76	90	16	35	100	20	40	120	25	55
38	158.6	153.80	90	16	35	100	20	40	120	25	55
39	162.7	157.83	90	16	35	100	20	40	120	25	55
40	166.8	161.87	90	16	35	100	20	40	120	25	55
41	171.4	165.91	*90	16	40	*108	20	50	*120	25	60
42	175.4	169.94	*90	16	40	*108	20	50	*120	25	60
43	179.7	173.98	*90	16	40	*108	20	50	*120	25	60
44	183.8	178.02	*90	16	40	*108	20	50	*120	25	60
45	188.0	182.07	*90	16	40	*108	20	50	*120	25	60
46	192.1	186.10	*90	16	40	*108	20	50	*120	25	60
47	196.2	190.14	*90	16	40	*108	20	50	*120	25	60
48	200.3	194.18	*90	16	40	*108	20	50	*120	25	60
49	204.3	198.22	*90	16	40	*108	20	50	*120	25	60
50	208.3	202.26	*90	16	40	*108	20	50	*120	25	60
51	212.1	206.30	*90	16	40	*108	20	50	*120	25	60
52	216.1	210.34	*90	16	40	*108	20	50	*120	25	60
53	220.2	214.37	*90	16	40	*108	20	50	*120	25	60
54	224.1	218.43	*90	16	40	*108	20	50	*120	25	60
55	228.1	222.46	*90	16	40	*108	20	50	*120	25	60
56	232.2	226.50	*90	16	40	*108	20	50	*120	25	60
57	236.4	230.54	*90	16	40	*108	20	50	*120	25	60
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59	244.5	238.62	*90	16	40	*108	20	50	*120	25	60
60	248.6	242.66	*90	16	40	*108	20	50	*120	25	60
62	256.9	250.74	*90	16	40	*108	20	50	*120	25	60
64	265.1	258.82	*90	16	40	*108	20	50	*120	25	60
65	269.0	262.86	*90	16	40	*108	20	50	*120	25	60
66	273.0	266.91	*90	16	40	*108	20	50	*120	25	60
68	281.0	274.99	*90	16	40	*108	20	50	*120	25	60
70	289.0	283.07	*90	16	40	*108	20	55	*120	25	60
72	297.2	291.15	*90	16	40	*108	20	55	*120	25	60
75	309.2	303.28	*90	16	40	*108	20	55	*120	25	60
76	313.2	307.32	*90	16	40	*108	20	55	*120	25	60
78	321.4	315.40	*90	16	40	*108	20	55	*120	25	60
80	329.4	323.49	*90	16	40	*108	20	55	*120	25	60
85	349.0	343.69	*90	16	40	*110	20	55	*120	25	60
90	369.9	363.90	*90	16	40	*110	20	55	*120	25	60
95	390.1	384.11	*90	16	40	*110	20	55	*120	25	60
100	410.3	404.32	*90	16	40	*110	20	55	*120	25	60
110	450.7	444.74	*90	16	40	*110	20	55	*120	25	60
114	466.9	460.91	*90	16	40	*110	20	55	*120	25	60
120	491.2	485.16	*90	16	40	*110	20	55	*120	25	60
125	511.3	505.37	*90	16	40	*110	20	55	*120	25	60

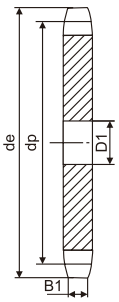
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9	41.0	37.13	8	10	10
10	45.2	41.10	8	10	10
11	48.7	45.07	10	10	12
12	53.0	49.07	10	10	12
13	57.4	53.06	10	10	12
14	61.8	57.07	10	10	12
15	65.5	61.09	10	10	12
16	69.5	65.10	10	12	16
17	73.6	69.11	10	12	16
18	77.8	73.14	10	12	16
19	81.7	77.16	10	12	16
20	85.8	81.19	10	12	16
21	89.7	85.22	12	16	16
22	93.8	89.24	12	16	16
23	98.2	93.27	12	16	16
24	101.8	97.29	12	16	16
25	105.8	101.33	12	16	16
26	110.0	105.36	16	16	16
27	114.0	109.40	16	16	16
28	118.0	113.42	16	16	16
29	122.0	117.46	16	16	16
30	126.1	121.50	16	16	16
31	130.2	125.54	16	16	20
32	134.3	129.56	16	16	20
33	138.4	133.60	16	16	20
34	142.6	137.64	16	16	20
35	146.7	141.68	16	16	20
36	151.0	145.72	16	20	20
37	154.6	149.76	16	20	20
38	158.6	153.80	16	20	20
39	162.7	157.83	16	20	20
40	166.8	161.87	16	20	20
41	171.4	165.91	20	20	25
42	175.4	169.94	20	20	25
43	179.7	173.98	20	20	25
44	183.8	178.03	20	20	25
45	188.0	182.07	20	20	25
46	192.1	186.10	20	20	25
47	196.2	190.14	20	20	25
48	200.3	194.18	20	20	25
49	204.3	198.22	20	20	25
50	208.3	202.26	20	20	25
51	212.1	206.30	20	25	25
52	216.1	210.34	20	25	25
53	220.2	214.37	20	25	25
54	224.1	218.43	20	25	25
55	228.1	222.46	20	25	25
56	232.2	226.50	20	25	25
57	236.4	230.54	20	25	25
58	240.5	234.58	20	25	25
59	244.5	238.62	20	25	25
60	248.6	242.66	20	25	25
62	256.9	250.74	25	25	25
64	265.1	258.82	25	25	25
65	269.0	262.86	25	25	25
66	273.0	266.91	25	25	25
68	281.0	274.99	25	25	25
70	289.0	283.07	25	25	25
72	297.2	291.15	25	25	25
75	309.2	303.28	25	25	25
76	313.3	307.32	25	25	25
78	321.4	315.40	25	25	25
80	329.4	323.49	25	25	25
85	349.0	343.69	25	25	25
90	369.9	363.90	25	25	25
95	390.1	384.11	25	25	25
100	410.3	404.32	25	25	25
110	450.7	444.74	25	25	25
114	466.9	460.91	25	25	25
120	491.2	485.16	25	25	25
125	511.3	505.37	25	25	25

08A-1-2-3

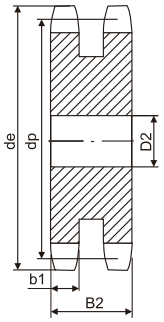
PLATEWHEELS 1/2″ X5/16″

For chain Acc.to DIN 8187
ISO/R 606

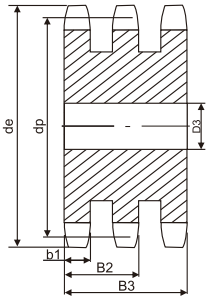














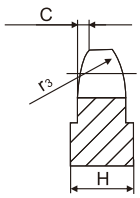
PLATEWHEELS	mm
Tooth radius r_3	13
Radius width C	1.3
Tooth width B_1	7.2
Tooth width b_1	7
Tooth width B_2	21
Tooth width B_3	34.9

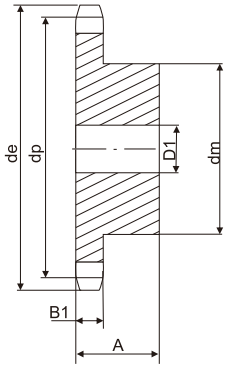
CHAIN	mm
Pitch	12.7
Internal width	7.75
Roller Φ	8.51

10B-1-2-3

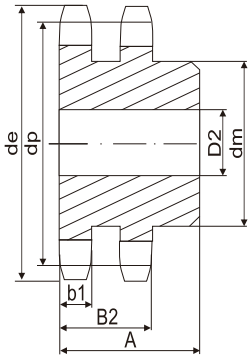
SPROCKETS 5/8″ X3/8″

For chain Acc.to DIN 8187
ISO/R 606

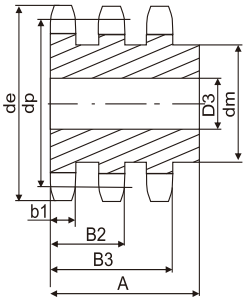














SPROCKETS	mm
Tooth radius r_3	16
Radius width C	1.6
Tooth width B_1	9.1
Tooth width b_1	9
Tooth width B_2	25.5
Tooth width B_3	42.1

CHAIN	mm
Pitch	15.875
Internal width	9.65
Roller Φ	10.16

Material: C 45
***Weld on hub**

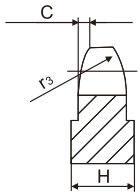
Z	d_e	d_p	SIMPLEX			DUPLEX			TRIPLEX		
			d_m	D_1	A	d_m	D_2	A	d_m	D_3	A
8	47.0	41.48	25	10	25	25	12	40	25	12	55
9	52.6	46.42	30	10	25	30	12	40	30	12	55
10	57.5	51.37	35	10	25	35	12	40	35	12	55
11	63.0	56.34	37	12	30	39	14	40	39	16	55
12	68.0	61.34	42	12	30	44	14	40	44	16	55
13	73.0	66.32	47	12	30	49	14	40	49	16	55
14	78.0	71.34	52	12	30	54	14	40	54	16	55
15	83.0	76.36	57	12	30	59	14	40	59	16	55
16	88.0	81.37	60	12	30	64	16	45	64	16	60
17	93.0	86.39	60	12	30	69	16	45	69	16	60
18	98.3	91.42	70	14	30	74	16	45	74	16	60
19	103.3	96.45	70	14	30	79	16	45	79	16	60
20	108.4	101.49	75	14	30	84	16	45	84	16	60
21	113.4	106.52	75	16	30	85	16	45	85	20	60
22	118.0	111.55	80	16	30	90	16	45	90	20	60
23	123.5	116.58	80	16	30	95	16	45	95	20	60
24	128.3	121.62	80	16	30	100	16	45	100	20	60
25	134.0	126.66	80	16	30	105	16	45	105	20	60
26	139.0	131.70	85	20	35	110	20	45	110	20	60
27	144.0	136.75	85	20	35	110	20	45	110	20	60
28	148.7	141.78	90	20	35	115	20	45	115	20	60
29	153.8	146.83	90	20	35	115	20	45	115	20	60
30	158.8	151.87	90	20	35	120	20	45	120	20	60
31	163.9	156.92	95	20	35	120	20	45	120	20	60
32	168.9	161.95	95	20	35	120	20	45	120	20	60
33	174.5	167.00	95	20	35	120	20	45	120	20	60
34	179.0	172.05	95	20	35	120	20	45	120	20	60
35	184.1	177.10	95	20	35	120	20	45	120	20	60
36	189.1	182.15	100	20	35	120	20	45	120	25	60
37	194.2	187.20	100	20	35	120	20	45	120	25	60
38	199.2	192.24	100	20	35	120	20	45	120	25	60
39	204.2	197.29	100	20	35	120	20	45	120	25	60
40	209.3	202.34	100	20	35	120	20	45	120	25	60
41	214.8	207.38	*100	20	40	*120	20	50	*130	25	60
42	219.9	212.34	*100	20	40	*120	20	50	*130	25	60
43	224.9	217.48	*100	20	40	*120	20	50	*130	25	60
44	230.0	222.53	*100	20	40	*120	20	50	*130	25	60
45	235.0	227.58	*100	20	40	*120	20	50	*130	25	60
46	240.1	232.63	*100	20	40	*120	20	50	*130	25	60
47	245.1	237.68	*100	20	40	*120	20	50	*130	25	60
48	250.2	242.73	*100	20	40	*120	20	50	*130	25	60
49	255.2	247.78	*100	20	40	*120	20	50	*130	25	60
50	260.3	252.82	*100	20	40	*120	20	50	*130	25	60
51	265.3	257.87	*100	20	40	*120	20	50	*130	25	60
52	270.4	262.92	*100	20	40	*120	20	50	*130	25	60
53	275.4	267.97	*100	20	40	*120	20	50	*130	25	60
54	280.5	273.03	*100	20	40	*120	20	50	*130	25	60
55	285.5	278.08	*100	20	40	*120	20	50	*130	25	60
56	290.6	283.13	*100	20	40	*120	20	50	*130	25	60
57	296.0	288.18	*100	20	40	*120	20	50	*130	25	60
58	300.7	293.23	*100	20	43	*120	20	57	*130	25	64
59	305.7	298.28	*100	20	43	*120	20	57	*130	25	64
60	310.8	303.33	*100	20	43	*120	20	57	*130	25	64
62	321.4	313.43	*100	20	43	*120	20	57	*130	25	64
64	331.5	323.53	*100	20	43	*120	20	57	*130	25	67
65	336.5	328.58	*100	20	43	*120	20	57	*130	25	67
66	341.6	333.64	*100	20	43	*120	20	57	*130	25	67
68	351.7	343.74	*100	20	43	*120	20	57	*130	25	67
70	361.8	353.84	*100	20	43	*120	20	57	*130	25	67
72	371.9	363.94	*100	20	43	*120	20	57	*130	25	67
75	387.1	379.10	*100	20	43	*120	20	57	*130	25	67
76	392.1	384.15	*100	20	43	*120	20	57	*130	25	67
78	402.2	394.25	*100	20	43	*120	20	57	*130	25	67
80	412.3	404.36	*100	20	43	*130	20	57	*130	25	67
85	437.6	429.62	*100	20	50	*130	20	58	*130	25	67
90	462.8	454.88	*100	20	50	*130	20	58	*130	25	67
95	488.5	480.14	*100	20	50	*130	20	58	*130	25	67
100	513.4	505.40	*100	20	50	*130	20	58	*130	25	67
110	563.9	555.92	*100	20	50	*130	20	58	*130	25	67
114	584.1	576.13	*100	20	50	*130	20	58	*130	25	67
120	614.4	606.45	*100	20	50	*130	20	58	*130	25	67
125	639.7	631.51	*100	20	50	*130	20	58	*130	25	67

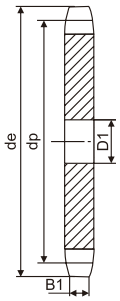
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10	57.5	51.37	10	10	12
11	63.0	56.34	10	10	12
12	68.0	61.34	10	10	12
13	73.0	66.32	10	10	12
14	78.0	71.34	10	10	12
15	83.0	76.36	10	12	12
16	88.0	81.37	12	12	16
17	93.0	86.39	12	12	16
18	98.3	91.42	12	12	16
19	103.3	96.45	12	12	16
20	108.4	101.49	12	12	16
21	113.4	106.52	12	16	16
22	118.0	111.55	12	16	16
23	123.5	116.58	12	16	16
24	128.3	121.62	12	16	16
25	134.0	126.66	12	16	16
26	139.0	131.70	16	16	20
27	144.0	136.75	16	16	20
28	148.7	141.78	16	16	20
29	153.8	146.83	16	16	20
30	158.8	151.87	16	16	20
31	163.9	156.92	16	20	20
32	168.9	161.95	16	20	20
33	174.5	167.00	16	20	20
34	179.0	172.05	16	20	20
35	184.1	177.10	16	20	20
36	189.1	182.15	20	20	25
37	194.2	187.20	20	20	25
38	199.2	192.24	20	20	25
39	204.2	197.29	20	20	25
40	209.3	202.34	20	20	25
41	214.8	207.38	20	20	25
42	219.9	212.43	20	20	25
43	224.9	217.48	20	20	25
44	230.0	222.53	20	20	25
45	235.0	227.58	20	20	25
46	240.1	232.63	20	25	25
47	245.1	237.68	20	25	25
48	250.2	242.73	20	25	25
49	255.2	247.78	20	25	25
50	260.3	252.82	20	25	25
51	265.3	257.87	20	25	25
52	270.4	262.92	20	25	25
53	275.4	267.97	20	25	25
54	280.5	273.03	20	25	25
55	285.5	278.08	20	25	25
56	290.6	283.13	25	25	25
57	296.0	288.18	25	25	25
58	300.7	293.23	25	25	25
59	305.7	298.28	25	25	25
60	310.8	303.33	25	25	25
62	321.4	313.43	25	25	30
64	331.5	323.53	25	25	30
65	336.5	328.58	25	25	30
66	341.6	333.64	25	25	30
68	351.7	343.74	25	25	30
70	361.8	353.84	25	25	30
72	371.9	363.94	25	25	30
75	387.1	379.10	25	25	30
76	392.1	384.15	25	25	30
78	402.2	394.25	25	25	30
80	412.3	404.36	25	25	30
85	437.6	429.62	30	30	30
90	462.8	454.88	30	30	30
95	488.5	480.14	30	30	30
100	513.4	505.40	30	30	30
110	563.9	555.92	30	30	30
114	584.1	576.13	30	30	30
120	614.4	606.45	30	30	30
125	639.7	631.51	30	30	30

10A-1-2-3

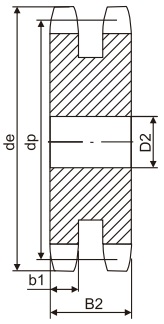
PLATEWHEELS 5/8″ X3/8″

For chain Acc.to DIN 8187
ISO/R 606

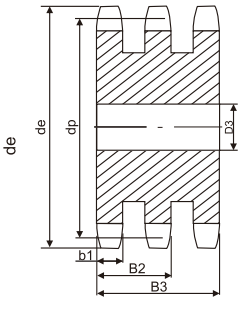














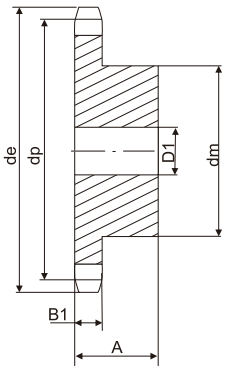
PLATEWHEELS	mm
Tooth radius r_3	16
Radius width C	1.6
Tooth width B_1	9.1
Tooth width b_1	9
Tooth width B_2	25.5
Tooth width B_3	42.1

CHAIN	mm
Pitch	15.875
Internal width	9.65
Roller Φ	10.16

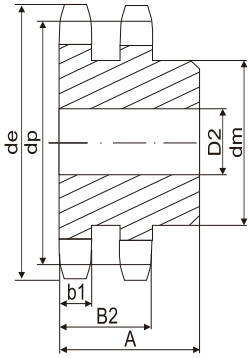
12B-1-2-3

SPROCKETS 3/4″ X7/16″

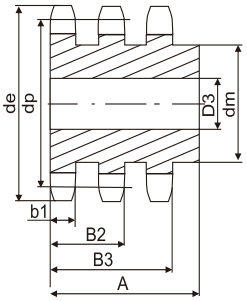
For chain Acc.to DIN 8187
ISO/R 606













SPROCKETS	mm
Tooth radius r_3	19
Radius width C	2
Tooth width B_1	11.1
Tooth width b_1	10.8
Tooth width B_2	30.3
Tooth width B_3	49.8

CHAIN	mm
Pitch	19.05
Internal width	11.68
Roller Φ	12.07

Material: C 45
***Weld on hub**

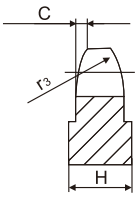
z	d_e	d_p	SIMPLEX			DUPLEX			TPIPLEX		
			d_m	D_1	A	d_m	D_2	A	d_m	D_3	A
8	57. 6	49. 78	31	12	30	31	12	45	31	16	65
9	62. 0	55. 70	37	12	30	37	12	45	37	16	65
10	69. 0	61. 64	42	12	30	42	12	45	42	16	65
11	75. 0	67. 61	46	14	35	47	16	50	47	20	70
12	81. 5	73. 61	52	14	35	53	16	50	53	20	70
13	87. 5	79. 59	58	14	35	59	16	50	59	20	70
14	93. 6	85. 61	64	14	35	65	16	50	65	20	70
15	99. 8	91. 63	70	14	35	71	16	50	71	20	70
16	105. 5	97. 65	75	16	35	77	20	50	77	20	70
17	111. 5	103. 67	80	16	35	83	20	50	83	20	70
18	118. 0	109. 71	80	16	35	89	20	50	89	20	70
19	124. 2	115. 75	80	16	35	95	20	50	95	20	70
20	129. 7	121. 78	80	16	35	100	20	50	100	20	70
21	136. 0	127. 82	90	20	40	100	20	50	100	20	70
22	141. 0	133. 86	90	20	40	100	20	50	100	20	70
23	149. 0	139. 90	90	20	40	110	20	50	110	20	70
24	153. 9	145. 94	90	20	40	110	20	50	110	20	70
25	160. 0	152. 00	90	20	40	120	20	50	120	20	70
26	165. 9	158. 04	95	20	40	120	20	50	120	20	70
27	172. 3	164. 09	95	20	40	120	20	50	120	20	70
28	178. 0	170. 13	95	20	40	120	20	50	120	20	70
29	184. 1	176. 19	95	20	40	120	20	50	120	20	70
30	190. 5	182. 25	95	20	40	120	20	50	120	20	70
31	196. 3	188. 31	95	20	40	120	20	50	130	25	70
32	203. 3	194. 35	95	20	40	120	20	50	130	25	70
33	209. 3	200. 40	95	20	40	120	20	50	130	25	70
34	214. 6	206. 46	95	20	40	120	20	50	130	25	70
35	221. 0	212. 52	95	20	40	120	20	50	130	25	70
36	226. 8	218. 58	100	20	40	120	25	50	130	25	70
37	232. 9	224. 64	100	20	40	120	25	50	130	25	70
38	239. 0	230. 69	100	20	40	120	25	50	130	25	70
39	245. 1	236. 75	100	20	40	120	25	50	130	25	70
40	251. 3	242. 81	100	20	40	120	25	50	130	25	70
41	257. 3	248. 86	*110	20	56	*136	25	62	*140	25	70
42	264. 5	254. 92	*110	20	56	*136	25	62	*140	25	70
43	270. 5	260. 98	*110	20	56	*136	25	62	*140	25	70
44	276. 5	267. 03	*110	20	56	*136	25	62	*140	25	70
45	282. 5	273. 09	*110	20	56	*136	25	62	*140	25	70
46	287. 9	279. 15	*110	20	56	*136	25	62	*140	25	70
47	294. 0	285. 21	*110	20	56	*136	25	62	*140	25	70
48	300. 1	291. 27	*110	20	56	*136	25	62	*140	25	70
49	306. 2	297. 33	*110	20	56	*136	25	62	*140	25	70
50	312. 3	303. 39	*110	20	56	*136	25	62	*140	25	70
51	318. 4	309. 45	*110	20	56	*136	25	62	*140	25	70
52	324. 5	315. 51	*110	20	56	*136	25	62	*140	25	70
53	330. 5	321. 57	*110	20	56	*136	25	62	*140	25	70
54	336. 6	327. 63	*110	20	56	*136	25	62	*140	25	70
55	342. 7	333. 69	*110	20	56	*136	25	62	*140	25	70
56	348. 7	339. 75	*110	20	56	*136	25	62	*140	25	70
57	355. 4	345. 81	*110	20	56	*136	25	62	*140	25	70
58	361. 5	351. 87	*110	20	56	*136	25	62	*140	25	70
59	367. 5	357. 93	*110	20	56	*136	25	62	*140	25	70
60	373. 0	363. 99	*110	20	56	*136	25	62	*140	25	70
62	385. 1	376. 12	*110	20	56	*136	25	62	*140	25	70
64	397. 2	388. 24	*110	20	56	*140	25	63	*140	25	70
65	403. 2	394. 30	*110	20	56	*140	25	63	*140	25	70
66	409. 3	400. 36	*110	20	56	*140	25	63	*140	25	70
68	421. 4	412. 49	*110	20	56	*140	25	63	*140	25	70
70	433. 6	424. 61	*110	20	56	*140	25	63	*140	25	70
72	447. 0	436. 73	*110	20	56	*140	25	63	*140	25	70
75	463. 9	454. 92	*110	20	56	*140	25	63	*140	25	70
76	469. 9	460. 98	*110	20	56	*140	25	63	*140	25	70
78	482. 1	473. 10	*110	20	56	*140	25	63	*140	25	70
80	494. 2	485. 23	*110	20	56	*140	25	63	*140	25	70
85	524. 5	515. 54	*110	20	56	*140	25	63	*140	25	70
90	554. 8	545. 85	*110	20	56	*140	25	63	*140	25	70
95	585. 1	576. 17	*110	20	56	*140	25	63	*140	25	70
100	615. 4	606. 48	*110	20	56	*140	25	63	*140	25	70
110	676. 1	667. 11	*110	20	56	*140	25	63	*140	25	70
114	700. 6	691. 36	*110	20	56	*140	25	63	*140	25	70
120	736. 7	727. 74	*110	20	56	*140	25	63	*140	25	70
125	767. 0	758. 06	*110	20	56	*140	25	63	*140	25	70

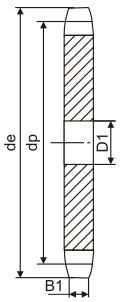
Z	d_e	d_p	S	D	T
			D_1	D_2	D_3
8	57. 6	49. 78	10	12	12
9	62. 0	55. 70	10	12	12
10	69. 0	61. 64	10	12	12
11	75. 0	67. 61	12	14	16
12	81. 5	73. 61	14	14	16
13	87. 5	79. 59	14	14	16
14	93. 6	85. 61	14	14	16
15	99. 8	91. 63	14	14	16
16	105. 5	97. 65	14	16	16
17	111. 5	103. 67	14	16	16
18	118. 0	109. 71	14	16	16
19	124. 2	115. 75	14	16	16
20	129. 7	121. 78	14	16	16
21	136. 0	127. 82	16	16	20
22	141. 0	133. 86	16	16	20
23	149. 0	139. 90	16	16	20
24	153. 9	145. 94	16	16	20
25	160. 0	152. 00	16	16	20
26	165. 9	158. 04	16	20	20
27	172. 3	164. 09	16	20	20
28	178. 0	170. 13	16	20	20
29	184. 1	176. 19	16	20	20
30	190. 5	182. 25	16	20	20
31	196. 3	188. 31	20	20	25
32	203. 3	194. 35	20	20	25
33	209. 3	200. 40	20	20	25
34	214. 6	206. 46	20	20	25
35	221. 0	212. 52	20	20	25
36	226. 8	218. 58	20	25	25
37	232. 9	224. 64	20	25	25
38	239. 0	230. 69	20	25	25
39	245. 1	236. 75	20	25	25
40	251. 3	242. 81	20	25	25
41	257. 3	248. 86	25	25	25
42	264. 5	254. 92	25	25	25
43	270. 5	260. 98	25	25	25
44	276. 5	267. 03	25	25	25
45	282. 5	373. 09	25	25	25
46	287. 9	279. 15	25	25	25
47	294. 0	285. 21	25	25	25
48	300. 1	291. 27	25	25	25
49	306. 2	297. 33	25	25	25
50	312. 3	303. 39	25	25	25
51	318. 4	309. 45	25	25	25
52	324. 5	315. 51	25	25	25
53	330. 5	321. 57	25	25	25
54	336. 6	327. 63	25	25	25
55	342. 7	333. 69	25	25	25
56	348. 7	339. 75	25	25	30
57	355. 4	345. 81	25	25	30
58	361. 5	351. 87	25	25	30
59	367. 5	357. 93	25	25	30
60	373. 0	363. 99	25	25	30
62	385. 1	376. 12	25	30	30
64	397. 2	388. 24	25	30	30
65	403. 2	394. 30	25	30	30
66	409. 3	400. 36	30	30	30
68	421. 4	412. 49	30	30	30
70	433. 6	424. 61	30	30	30
72	447. 0	436. 73	30	30	30
75	463. 9	454. 92	30	30	30
76	469. 9	460. 98	30	30	30
78	482. 1	473. 10	30	30	30
80	494. 2	485. 23	30	30	30
85	524. 5	515. 54	30	30	30
90	554. 8	545. 85	30	30	30
95	585. 1	576. 17	30	30	30
100	615. 4	606. 48	30	30	30
110	676. 1	667. 11	30	30	30
114	700. 6	691. 36	30	30	30
120	736. 7	727. 74	30	30	30
125	767. 0	758. 06	30	30	30

12A-1-2-3

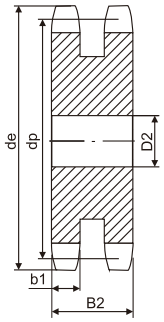
PLATEWHEELS 3/4″ X7/16″

For chain Acc.to DIN 8187
ISO/R 606

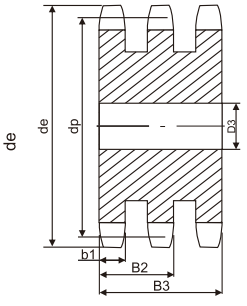














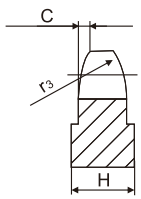
PLATEWHEELS	mm
Tooth radius r_3	19
Radius width C	2
Tooth width B_1	11.1
Tooth width b_1	10.8
Tooth width B_2	30.3
Tooth width B_3	49.8

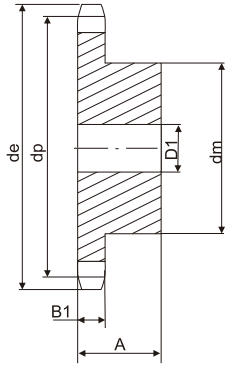
CHAIN	mm
Pitch	19.05
Internal width	11.68
Roller Φ	12.07

16B-1-2-3

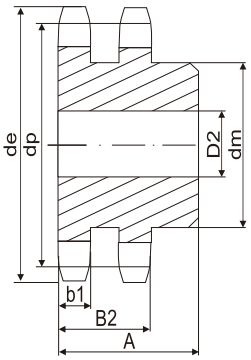
SPROCKETS 1″ X17.02mm

For chain Acc.to DIN 8187
ISO/R 606

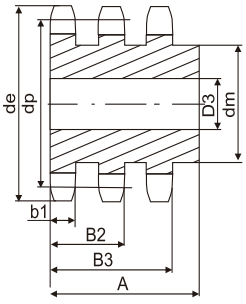














SPROCKETS

	mm
Tooth radius r_3	26
Radius width C	2.5
Tooth width B_1	16.2
Tooth width b_1	15.8
Tooth width B_2	47.7
Tooth width B_3	79.6

CHAIN

	mm
Pitch	25.4
Internal width	17.02
Roller Φ	15.88

Material: C 45
***Weld on hub**

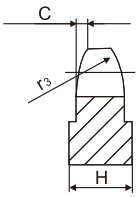
z	d_e	d_p	SIMPLEX			DUPLEX			TPIPLEX		
			d_m	D_1	A	d_m	D_2	A	d_m	D_3	A
8	77.0	66.37	42	16	35	42	16	65	42	20	95
9	85.0	74.27	50	16	35	50	16	65	50	20	95
10	93.0	82.19	55	16	35	56	16	65	56	20	95
11	101.5	90.14	61	16	40	64	20	70	64	25	100
12	109.0	98.14	69	16	40	72	20	70	72	25	100
13	117.0	106.12	78	16	40	80	20	70	80	25	100
14	125.0	114.15	84	16	40	88	20	70	88	25	100
15	133.0	122.17	92	16	40	96	20	70	96	25	100
16	141.0	130.20	100	20	45	104	20	70	104	25	100
17	149.0	138.22	100	20	45	112	20	70	112	25	100
18	157.0	146.28	100	20	45	120	20	70	120	25	100
19	165.2	154.33	100	20	45	128	20	70	128	25	100
20	173.2	162.38	100	20	45	130	20	70	130	25	100
21	181.2	170.43	110	20	50	130	25	70	*130	25	100
22	189.3	178.48	110	20	50	*130	25	70	*130	25	100
23	197.5	186.53	110	20	50	*130	25	70	*130	25	100
24	205.5	194.59	110	20	50	*130	25	70	*130	25	100
25	213.5	202.66	110	20	50	*130	25	70	*130	25	100
26	221.6	210.72	120	20	50	*130	25	70	*130	30	100
27	229.6	218.79	120	20	50	*130	25	70	*130	30	100
28	237.7	226.85	120	20	50	*130	25	70	*130	30	100
29	245.8	234.92	120	20	50	*130	25	70	*130	30	100
30	254.0	243.00	120	20	50	*130	25	70	*130	30	100
31	262.0	251.08	*120	25	50	*140	25	70	*140	30	100
32	270.0	259.13	*120	25	50	*140	25	70	*140	30	100
33	278.5	267.21	*120	25	50	*140	25	70	*140	30	100
34	287.0	275.28	*120	25	50	*140	25	70	*140	30	100
35	296.2	283.36	*120	25	50	*140	25	70	*140	30	100
36	304.6	291.44	*120	25	50	*140	25	70	*140	30	100
37	312.6	299.51	*120	25	50	*140	25	70	*140	30	100
38	320.7	307.59	*120	25	50	*140	25	70	*140	30	100
39	328.8	315.67	*120	25	50	*140	25	70	*140	30	100
40	336.9	323.75	*120	25	50	*140	25	70	*140	30	100
41	345.0	331.81	*125	25	68	*140	25	70	*160	30	100
42	353.0	339.89	*125	25	68	*140	25	70	*160	30	100
43	361.1	347.97	*125	25	68	*140	25	70	*160	30	100
44	369.1	356.05	*125	25	68	*140	25	70	*160	30	100
45	377.1	364.12	*125	25	68	*140	25	70	*160	30	100
46	385.2	372.20	*125	25	68	*140	25	70	*160	30	100
47	393.2	380.28	*125	25	68	*140	25	70	*160	30	100
48	401.3	388.36	*125	25	68	*140	25	70	*160	30	100
49	409.3	396.44	*125	25	68	*140	25	70	*160	30	100
50	417.4	404.52	*125	25	68	*140	25	70	*160	30	100
51	425.5	412.60	*125	25	68	*150	25	85	*180	30	110
52	433.6	420.68	*125	25	68	*150	25	85	*180	30	110
53	441.7	428.76	*125	25	68	*150	25	85	*180	30	110
54	448.3	436.84	*125	25	68	*150	25	85	*180	30	110
55	457.9	444.92	*125	25	68	*150	25	85	*180	30	110
56	466.0	453.01	*125	25	68	*150	25	85	*180	30	110
57	474.0	461.08	*125	25	68	*150	25	85	*180	30	110
58	482.1	469.16	*133	25	68	*150	25	85	*180	30	110
59	490.2	477.24	*133	25	68	*150	25	85	*180	30	110
60	498.3	485.23	*133	25	68	*150	25	85	*180	30	110
62	514.5	501.49	*133	25	68	*150	25	85	*180	30	110
64	530.7	517.65	*140	25	68	*160	25	90	*180	30	110
65	538.8	525.73	*140	25	68	*160	25	90	*180	30	110
66	546.8	533.80	*140	25	68	*160	25	90	*180	30	110
68	562.9	549.98	*140	25	68	*160	25	90	*180	30	110
70	579.2	566.15	*140	25	68	*160	25	90	*180	30	110
72	595.4	582.31	*140	25	68	*160	25	90	*180	30	110
75	619.7	*606.56	*140	25	68	*160	25	90	*180	30	110
76	627.0	*614.64	*140	25	68	*160	25	90	*180	30	110
78	643.3	*630.81	*140	25	68	*160	25	90	*180	30	110
80	660.0	*646.97	*140	25	68	*160	25	90	*180	30	110
85	699.9	*687.39	*140	25	78	*160	25	90	*180	30	110
90	740.3	727.80	*140	25	78	*160	25	90	*180	30	110
95	781.1	768.22	*140	25	78	*160	25	90	*180	30	110
100	821.1	808.64	*140	25	78	*160	25	90	*180	30	110
110	902.0	889.48	*140	25	78	*160	25	90	*180	30	110
114	934.3	921.81	*140	25	78	*160	25	90	*180	30	110
120	982.8	970.32	*140	25	78	*160	25	90	*180	30	110
125	1023.3	1010.73	*140	25	78	*160	25	90	*180	30	110

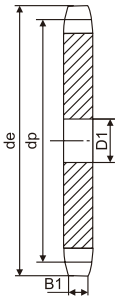
Z	d_e	d_p	S D_1	D D_2	T D_3
8	77.0	66.37	12	16	16
9	85.0	74.27	12	16	16
10	93.0	82.19	12	16	16
11	101.5	90.14	16	20	20
12	109.0	98.14	16	20	20
13	117.0	106.12	16	20	20
14	125.0	114.15	16	20	20
15	133.0	122.17	16	20	20
16	141.0	130.20	20	20	25
17	149.0	138.22	20	20	25
18	157.0	146.28	20	20	25
19	165.2	154.33	20	20	25
20	173.2	162.38	20	20	25
21	181.2	170.43	20	25	25
22	189.3	178.48	20	25	25
23	197.5	186.53	20	25	25
24	205.5	194.59	20	25	25
25	213.5	202.66	20	25	25
26	221.6	210.72	20	25	30
27	229.6	218.79	20	25	30
28	237.7	226.85	20	25	30
29	245.8	234.92	20	25	30
30	254.0	243.00	20	25	30
31	262.0	251.08	25	25	30
32	270.0	259.13	25	25	30
33	278.5	267.21	25	25	30
34	287.0	275.28	25	25	30
35	296.2	283.36	25	25	30
36	304.6	291.44	25	25	30
37	312.6	299.51	25	25	30
38	320.7	307.59	25	25	30
39	328.8	315.67	25	25	30
40	336.9	323.75	25	25	30
41	345.0	331.81	25	25	30
42	353.0	339.89	25	25	30
43	361.1	347.97	25	25	30
44	369.1	356.05	25	25	30
45	377.1	364.12	25	25	30
46	385.2	372.20	25	25	30
47	393.2	380.28	25	25	30
48	401.3	388.36	25	25	30
49	409.3	396.44	25	25	30
50	417.4	404.52	25	25	30
51	425.5	412.60	30	30	40
52	433.6	420.68	30	30	40
53	441.7	428.76	30	30	40
54	448.3	436.84	30	30	40
55	457.9	444.92	30	30	40
56	466.0	453.01	30	30	40
57	474.0	461.08	30	30	40
58	482.1	469.16	30	30	40
59	490.2	477.24	30	30	40
60	498.3	485.33	30	30	40
62	514.5	501.49	30	30	40
64	530.7	517.65	30	30	40
65	538.8	525.73	30	30	40
66	546.8	533.80	30	30	40
68	562.9	549.98	30	30	40
70	579.2	566.15	30	30	40
72	595.4	582.31	30	30	40
75	619.7	606.56	30	30	40
76	627.0	614.64	30	30	40
78	643.3	630.81	30	30	40
80	660.0	646.97	30	30	40
85	699.9	687.39	30	30	40
90	740.3	727.80	30	30	40
95	781.1	768.22	30	30	40
100	821.1	808.64	30	30	40
110	902.0	889.48	30	30	40
114	934.3	921.81	30	40	40
120	982.8	970.32	30	40	40
125	1023.3	1010.73	30	40	40

16A-1-2-3

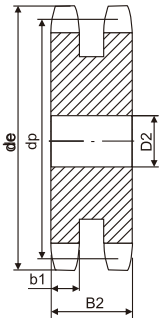
PLATEWHEELS 1″ X17.02mm

For chain Acc.to DIN 8187
ISO/R 606

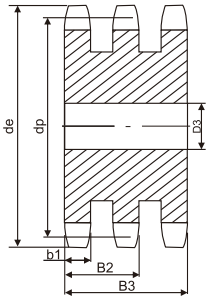














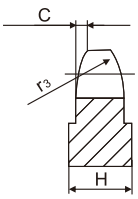
PLATEWHEELS	mm
Tooth radius r_3	26
Radius width C	2.5
Tooth width B_1	16.2
Tooth width b_1	15.8
Tooth width B_2	47.7
Tooth width B_3	79.6

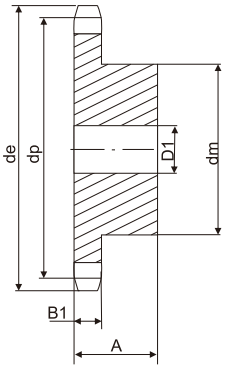
CHAIN	mm
Pitch	25.4
Internal width	17.02
Roller Φ	15.88

20B-1-2-3

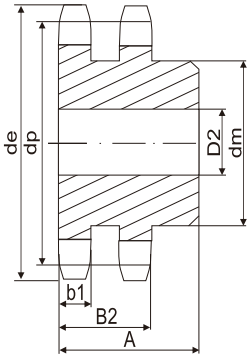
SPROCKETS 1″ 1/4X3/4″

For chain Acc.to DIN 8187
ISO/R 606

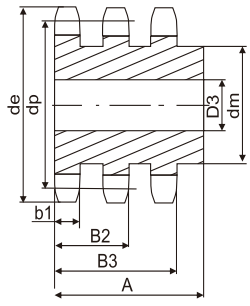














SPROCKETS	mm
Tooth radius r_3	32
Radius width C	3.5
Tooth width B_1	18.5
Tooth width b_1	18.2
Tooth width B_2	54.6
Tooth width B_3	91

CHAIN	mm
Pitch	31.75
Internal width	19.56
Roller Φ	19.05

Material: C 45
***Weld on hub**

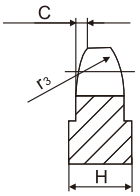
z	d_e	d_p	SIMPLEX			DUPLEX			TPIPLEX		
			d_m	D_1	A	d_m	D_2	A	d_m	D_3	A
8	98. 1	82. 96	53	20	40	53	20	75	53	20	110
9	108. 0	92. 84	63	20	40	63	20	75	63	20	110
10	117. 9	102. 74	70	20	40	70	20	75	70	20	110
11	127. 8	112. 68	77	20	45	80	20	80	80	20	115
12	137. 8	122. 68	88	20	45	90	20	80	90	20	115
13	147. 8	132. 65	98	20	45	100	20	80	100	20	115
14	157. 8	142. 68	108	20	45	110	20	80	110	20	115
15	167. 9	152. 72	118	20	45	120	20	80	120	20	115
16	177. 9	162. 75	120	20	50	120	25	80	120	25	115
17	187. 9	172. 78	120	25	50	120	25	80	120	25	115
18	198. 0	182. 85	120	25	50	*120	25	80	*120	25	115
19	208. 1	192. 91	120	25	50	*120	25	80	*120	25	115
20	218. 1	202. 98	120	25	50	*120	25	80	*120	25	115
21	228. 2	213. 04	140	25	55	*140	25	80	*140	25	115
22	238. 3	223. 11	140	25	55	*140	25	80	*140	25	115
23	248. 3	233. 17	140	25	55	*140	25	80	*140	25	115
24	258. 4	243. 23	140	25	55	*140	25	80	*140	25	115
25	268. 5	253. 33	140	25	55	*140	25	80	*140	25	115
26	278. 6	263. 40	*150	25	55	*150	25	80	*150	25	115
27	288. 6	273. 49	*150	25	55	*150	25	80	*150	25	115
28	298. 7	283. 56	*150	25	55	*150	25	80	*150	25	115
29	308. 8	293. 65	*150	25	55	*150	25	80	*150	25	115
30	318. 9	303. 75	*150	25	55	*150	25	80	*150	25	115
31	329. 0	313. 85	*150	25	55	*150	25	80	*150	30	115
32	339. 1	323. 91	*150	25	55	*150	25	80	*150	30	115
33	349. 2	334. 01	*150	25	55	*150	25	80	*150	30	115
34	359. 3	344. 10	*150	25	55	*150	25	80	*150	30	115
35	369. 4	354. 20	*150	25	55	*150	25	80	*150	30	115
36	379. 5	364. 30	*150	25	55	*150	30	80	*150	30	115
37	389. 5	374. 39	*150	25	55	*150	30	80	*150	30	115
38	399. 6	384. 49	*150	25	55	*150	30	80	*150	30	115
39	409. 7	394. 59	*150	25	55	*150	30	80	*150	30	115
40	419. 8	404. 69	*150	25	55	*150	30	80	*150	30	115
41	429. 9	414. 77	*150	25	70	*160	30	90	*160	30	110
42	440. 0	424. 86	*150	25	70	*160	30	90	*160	30	110
43	450. 1	434. 96	*150	25	70	*160	30	90	*160	30	110
44	460. 2	445. 06	*150	25	70	*160	30	90	*160	30	110
45	470. 3	455. 17	*150	25	70	*160	30	90	*160	30	110
46	480. 4	465. 25	*150	25	70	*160	30	90	*160	30	110
47	490. 5	475. 35	*150	25	70	*160	30	90	*160	30	110
48	500. 6	485. 45	*150	25	70	*160	30	90	*160	30	110
49	510. 7	495. 55	*150	25	70	*160	30	90	*160	30	110
50	520. 8	505. 65	*150	25	70	*160	30	90	*160	30	110
51	530. 9	515. 75	*150	25	80	*160	30	100	*180	30	123
52	541. 0	525. 85	*150	25	80	*160	30	100	*180	30	123
53	551. 1	535. 95	*150	25	80	*160	30	100	*180	30	123
54	561. 2	546. 05	*150	25	80	*160	30	100	*180	30	123
55	571. 3	556. 15	*150	25	80	*160	30	100	*180	30	123
56	581. 4	566. 25	*150	25	80	*160	30	100	*180	30	123
57	591. 5	576. 35	*150	25	80	*160	30	100	*180	30	123
58	601. 6	586. 45	*150	25	80	*160	30	100	*180	30	123
59	611. 7	596. 56	*150	25	80	*160	30	100	*180	30	123
60	621. 8	606. 66	*150	25	80	*160	30	100	*180	30	123
62	642. 0	626. 86	*150	25	80	*160	30	100	*180	30	123
64	662. 2	647. 07	*150	25	80	*160	30	100	*180	30	123
65	672. 3	657. 17	*150	25	80	*160	30	100	*180	30	123
66	682. 4	667. 27	*150	25	80	*180	30	100	*200	30	123
68	702. 6	687. 48	*150	25	80	*180	30	100	*200	30	123
70	722. 8	707. 68	*150	25	80	*180	30	100	*200	30	123
72	743. 1	727. 89	*150	25	80	*180	30	100	*200	30	123
75	773. 3	758. 20	*150	25	80	*180	30	100	*200	30	123
76	783. 3	768. 32	*150	25	80	*180	30	100	*200	30	123
80	823. 9	808. 71	*150	25	80	*180	30	100	*200	30	123
85	874. 4	859. 23	*150	25	90	*180	30	100	*200	30	123
90	924. 9	909. 76	*150	25	90	*180	30	100	*200	30	123
95	975. 2	960. 28	*150	25	90	*180	30	100	*200	30	123
100	1026. 0	1010. 80	*150	25	90	*180	30	100	*200	30	123
114	1167. 4	1152. 26	*150	25	90	*180	30	100	*200	30	126

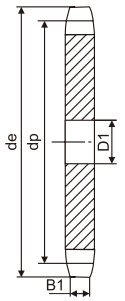
Z	d_e	d_p	S	D	T
			D_1	D_2	D_3
8	98. 1	82. 96	16	20	20
9	108. 0	92. 84	16	20	20
10	117. 9	102. 74	16	20	20
11	127. 8	112. 68	16	20	20
12	137. 8	122. 68	20	20	20
13	147. 8	132. 65	20	20	20
14	157. 8	142. 68	20	20	20
15	167. 9	152. 72	20	20	20
16	177. 9	162. 75	20	25	25
17	187. 9	172. 78	20	25	25
18	198. 0	182. 85	20	25	25
19	208. 1	192. 91	20	25	25
20	218. 1	202. 98	20	25	25
21	228. 2	213. 04	25	25	25
22	238. 3	223. 11	25	25	25
23	248. 3	233. 17	25	25	25
24	258. 4	243. 23	25	25	25
25	268. 5	253. 33	25	25	25
26	278. 6	263. 40	25	25	25
27	288. 6	273. 49	25	25	25
28	298. 7	283. 56	25	25	25
29	308. 8	293. 65	25	25	25
30	318. 9	303. 75	25	25	25
31	329. 0	313. 85	25	25	30
32	339. 1	323. 91	25	25	30
33	349. 2	334. 01	25	25	30
34	359. 3	344. 10	25	25	30
35	369. 4	354. 20	25	25	30
36	379. 5	364. 30	25	30	30
37	389. 5	374. 39	25	30	30
38	399. 6	384. 49	25	30	30
39	409. 7	394. 59	25	30	30
40	419. 8	404. 69	25	30	30
41	429. 9	414. 77	30	30	30
42	440. 0	424. 86	30	30	40
43	450. 1	434. 96	30	30	40
44	460. 2	445. 06	30	30	40
45	470. 3	455. 17	30	30	40
46	480. 4	465. 25	30	30	40
47	490. 5	475. 35	30	30	40
48	500. 6	485. 45	30	30	40
49	510. 7	495. 55	30	30	40
50	520. 8	505. 65	30	30	40
51	530. 9	515. 75	30	30	40
52	541. 0	525. 85	30	30	40
53	551. 1	535. 95	30	30	40
54	561. 2	546. 05	30	30	40
55	571. 3	556. 15	30	30	40
56	581. 4	566. 25	30	30	40
57	591. 5	576. 35	30	30	40
58	601. 6	586. 45	30	30	40
59	611. 7	596. 56	30	30	40
60	621. 8	606. 66	30	30	40
62	642. 0	626. 86	30	30	40
64	662. 2	647. 07	30	30	40
65	672. 3	657. 17	30	30	40
66	682. 4	667. 27	30	30	40
68	702. 6	687. 48	30	30	40
70	722. 8	707. 68	30	30	40
72	743. 1	727. 89	30	30	40
75	773. 3	758. 20	30	30	40
76	783. 5	768. 32	30	30	40
80	823. 9	808. 71	30	30	40
85	874. 4	859. 23	30	30	40
90	924. 9	909. 76	30	30	40
95	975. 2	960. 28	30	30	40
100	1026. 0	1010. 80	30	30	40
114	1167. 4	1152. 26	30	40	40

20A-1-2-3

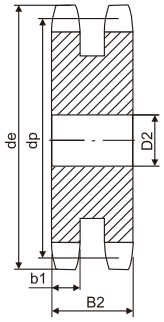
PLATEWHEELS 1″ 1/4X3/4″

For chain Acc.to DIN 8187
ISO/R 606

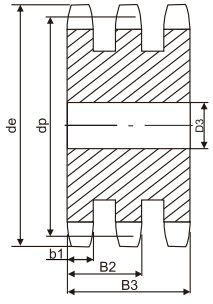














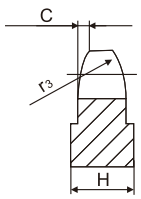
PLATEWHEELS	mm
Tooth radius r_3	32
Radius width C	3.5
Tooth width B_1	18.5
Tooth width b_1	18.2
Tooth width B_2	54.6
Tooth width B_3	91

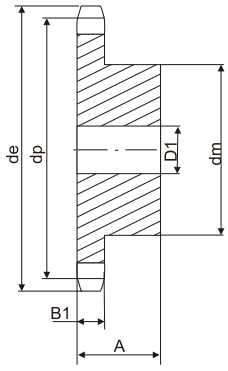
CHAIN	mm
Pitch	31.75
Internal width	19.56
Roller Φ	19.05

24B-1-2-3

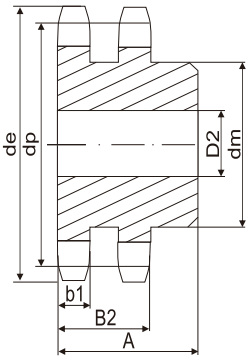
SPROCKETS 1″ 1/2X1″

For chain Acc.to DIN 8187
ISO/R 606

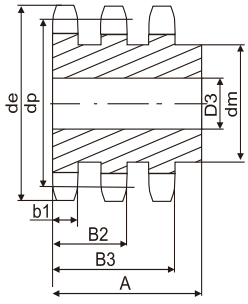














SPROCKETS	mm
Tooth radius r_3	38
Radius width C	4
Tooth width B_1	24.1
Tooth width b_1	23.6
Tooth width B_2	72
Tooth width B_3	120.3

CHAIN	mm
Pitch	38.1
Internal width	25.4
Roller	25.4

Material: C 45
***Weld on hub**

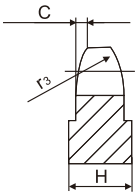
z	d_e	d_p	SIMPLEX			DUPLEX			TPIPLEX		
			d_m	D_1	A	d_m	D_2	A	d_m	D_3	A
8	115. 0	99. 55	58	20	45	58	25	95	58	25	140
9	126. 4	111. 40	70	20	45	70	25	95	70	25	140
10	138. 0	123. 29	80	20	45	80	25	95	80	25	140
11	150. 0	135. 21	90	25	50	90	25	100	90	25	150
12	162. 0	147. 22	102	25	50	102	25	100	102	25	150
13	174. 2	159. 18	114	25	**50**	114	25	100	114	25	150
14	186. 2	171. 22	128	25	**50**	128	25	100	128	25	150
15	198. 2	183. 26	132	25	**50**	132	25	100	132	25	150
16	210. 3	195. 30	*136	25	**55**	*136	25	100	136	25	150
17	222. 3	207. 34	*136	25	**55**	*136	25	100	140	25	150
18	234. 3	219. 42	*136	25	55	*150	25	100	*150	25	150
19	246. 5	231. 49	*136	25	55	*160	25	100	*160	25	150
20	258. 6	243. 57	*136	25	55	*160	25	100	*160	25	150
21	270. 6	255. 65	*150	25	60	*160	25	100	*160	30	150
22	282. 7	267. 73	*150	25	60	*160	25	100	*160	30	150
23	294. 8	279. 80	*150	25	60	*160	25	100	*160	30	150
24	306. 8	291. 88	*150	25	60	*160	25	100	*160	30	150
25	319. 0	304. 00	*150	25	60	*160	25	100	*160	30	150
26	331. 0	316. 08	*150	30	60	*160	30	100	*160	30	150
27	343. 2	328. 19	*150	30	60	*160	30	100	*160	30	150
28	355. 2	340. 27	*150	30	60	*160	30	100	*160	30	150
29	367. 3	352. 38	*150	30	60	*160	30	100	*160	30	150
30	379. 5	364. 50	*150	30	60	*160	30	100	*160	40	150
31	391. 6	376. 62	*150	30	60	*160	30	100	*160	40	150
32	403. 7	388. 69	*150	30	60	*160	30	100	*160	40	150
33	415. 8	400. 81	*150	30	60	*160	30	100	*160	40	150
34	427. 8	412. 93	*150	30	60	*160	30	100	*160	40	150
35	440. 0	425. 04	*150	30	60	*160	30	100	*160	40	150
36	452. 0	437. 16	*150	30	60	*160	30	100	*160	40	150
37	464. 2	449. 27	*150	30	60	*160	30	100	*160	40	150
38	476. 2	461. 39	*150	30	60	*160	30	100	*160	40	150
39	488. 5	473. 50	*150	30	60	*160	30	100	*160	40	150
40	500. 6	485. 62	*150	30	60	*160	30	100	*160	40	150
41	512. 6	497. 72	*160	30	90	*180	30	100	*200	40	150
42	524. 7	509. 83	*160	30	90	*180	30	100	*200	40	150
43	536. 8	521. 95	*160	30	90	*180	30	100	*200	40	150
44	549. 0	534. 07	*160	30	90	*180	30	100	*200	40	150
45	561. 2	546. 19	*160	30	90	*180	30	100	*200	40	150
46	573. 3	558. 30	*160	30	90	*180	30	100	*200	40	150
47	585. 4	570. 42	*160	30	90	*180	30	100	*200	40	150
48	597. 4	582. 54	*160	30	90	*180	30	100	*200	40	150
49	609. 5	594. 66	*160	30	90	*180	30	100	*200	40	150
50	621. 7	606. 78	*160	30	90	*180	30	100	*200	40	150
51	633. 8	618. 90	*160	30	100	*180	30	110	*200	40	150
52	646. 0	631. 01	*160	30	100	*180	30	110	*200	40	150
53	658. 0	643. 13	*160	30	100	*180	30	110	*200	40	150
54	670. 2	655. 28	*160	30	100	*180	30	110	*200	40	150
55	682. 3	667. 40	*160	30	100	*180	30	110	*200	40	150
56	694. 4	679. 51	*160	30	100	*180	30	110	*200	40	150
57	706. 5	691. 63	*160	30	100	*180	30	110	*200	40	150
58	718. 6	703. 74	*160	30	100	*180	30	110	*200	40	150
59	730. 7	715. 86	*160	30	100	*180	30	110	*200	40	150
60	742. 8	727. 97	*160	30	100	*180	30	110	*200	40	150
62	767. 2	752. 24	*160	30	100	*180	30	110	*200	40	150
64	791. 3	776. 48	*160	30	100	*200	30	110	*220	40	150
65	803. 4	788. 59	*160	30	100	*200	30	110	*220	40	150
66	815. 6	800. 71	*160	30	100	*200	30	120	*220	40	150
68	839. 8	824. 98	*160	30	100	*200	30	120	*220	40	150
70	864. 2	849. 21	*160	30	100	*200	30	120	*220	40	150
72	888. 4	873. 48	*160	30	100	*200	30	120	*220	40	150
75	924. 8	909. 83	*160	30	100	*200	30	120	*220	40	150
76	936. 9	921. 98	*160	30	100	*200	30	120	*220	40	150
80	985. 4	970. 44	*160	30	100	*200	30	120	*220	40	150
85	1046. 0	1031. 10	*160	30	100	*200	30	120	*220	40	150
90	1167. 3	1152. 33	*160	30	100	*200	30	120	*220	40	150

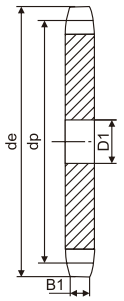
Z	d_e	d_p	S	D	T
			D_1	D_2	D_3
8	115. 0	99. 55	20	25	25
9	126. 4	111. 40	20	25	25
10	138. 0	123. 29	20	25	25
11	150. 0	135. 21	20	25	25
12	162. 0	147. 22	20	25	25
13	174. 2	159. 18	20	25	25
14	186. 2	171. 22	20	25	25
15	198. 2	183. 26	20	25	25
16	210. 3	195. 30	25	25	25
17	222. 3	207. 34	25	25	25
18	234. 3	219. 42	25	25	25
19	246. 5	231. 49	25	25	25
20	258. 6	243. 57	25	25	25
21	270. 6	255. 65	25	25	30
22	282. 7	267. 73	25	25	30
23	294. 8	279. 80	25	25	30
24	306. 8	291. 88	25	25	30
25	319. 0	304. 00	25	25	30
26	331. 0	316. 08	30	30	30
27	343. 2	328. 19	30	30	30
28	355. 2	340. 27	30	30	30
29	367. 3	352. 38	30	30	30
30	379. 5	364. 50	30	30	40
31	391. 6	376. 62	30	30	40
32	403. 7	388. 69	30	30	40
33	415. 8	400. 81	30	30	40
34	427. 8	412. 93	30	30	40
35	440. 0	425. 04	30	30	40
36	452. 0	437. 16	30	30	40
37	464. 2	449. 27	30	30	40
38	476. 2	461. 39	30	30	40
39	488. 5	473. 50	30	30	40
40	500. 6	485. 62	30	30	40
41	512. 6	497. 72	30	40	40
42	524. 7	509. 83	30	40	40
43	536. 8	521. 95	30	40	40
44	549. 0	534. 07	30	40	40
45	561. 2	546. 19	30	40	40
46	573. 3	558. 30	30	40	40
47	585. 4	570. 42	30	40	40
48	597. 4	582. 54	30	40	40
49	609. 5	594. 66	30	40	40
50	621. 7	606. 78	30	40	40
51	633. 8	618. 90	30	40	40
52	646. 0	631. 01	30	40	40
53	658. 0	643. 13	30	40	40
54	670. 2	655. 28	30	40	40
55	682. 3	667. 40	30	40	40
56	694. 4	679. 51	30	40	40
57	706. 5	691. 63	30	40	40
58	718. 6	703. 74	30	40	40
59	730. 7	715. 86	30	40	40
60	742. 8	727. 97	30	40	40
62	767. 2	752. 24	40	40	40
64	791. 3	776. 48	40	40	40
65	803. 4	788. 59	40	40	40
66	815. 6	800. 71	40	40	40
68	839. 8	824. 98	40	40	40
70	864. 2	849. 21	40	40	40
72	888. 4	873. 48	40	40	40
75	924. 8	909. 83	40	40	40
76	936. 9	921. 98	40	40	40
80	985. 4	970. 44	40	40	40
85	1046. 0	1031. 10	40	40	40
95	1167. 3	1152. 33	40	40	40

24A-1-2-3

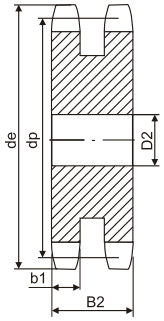
PLATEWHEELS 1″ 1/2X1″

For chain Acc.to DIN 8187
ISO/R 606

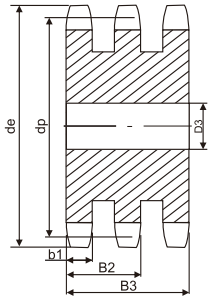














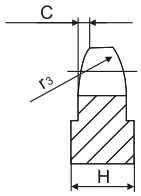
PLATEWHEELS	mm
Tooth radius r_3	38
Radius width C	4
Tooth width B_1	24.1
Tooth width b_1	23.6
Tooth width B_2	72
Tooth width B_3	120.3

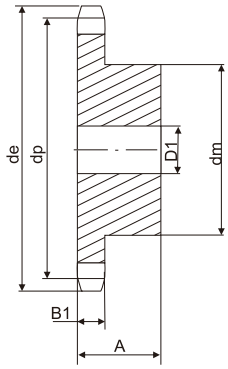
CHAIN	mm
Pitch	38.1
Internal width	25.4
Roller Φ	25.4

28B-1-2-3

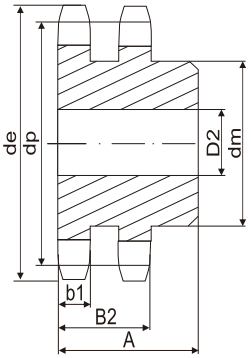
SPROCKETS 1″ 3/4X1″ 1/4

For chain Acc.to DIN 8187
ISO/R 606

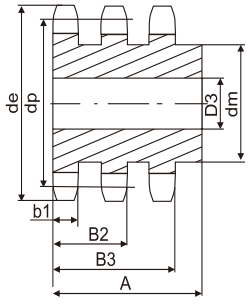














SPROCKETS	mm
Tooth radius r_3	44
Radius width C	5
Tooth width B_1	29.4
Tooth width b_1	28.8
Tooth width B_2	88.4
Tooth width B_3	148

CHAIN	mm
Pitch	44.45
Internal width	30.99
Roller Φ	27.94

Material: C 45
***Weld on hub**

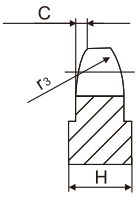
z	d_e	d_p	SIMPLEX			DUPLEX			TPIPLEX		
			d_m	D_1	A	d_m	D_2	A	d_m	D_3	A
8	132.0	116.15	74	25	70	74	25	120	74	30	180
9	148.4	129.96	88	25	70	88	25	120	88	30	180
10	162.3	143.85	100	25	70	100	25	120	100	30	180
11	176.3	157.77	112	25	70	112	25	120	112	30	180
12	189.5	171.74	125	25	70	125	25	120	125	30	180
13	204.2	185.75	*125	25	70	*125	25	120	*125	30	180
14	218.2	199.76	*125	25	70	*125	25	120	*125	30	180
15	232.3	213.79	*125	25	70	*145	25	120	*145	30	180
16	246.3	227.84	*160	30	75	*160	30	120	*160	30	180
17	260.3	241.91	*160	30	75	*160	30	120	*160	30	180
18	274.0	255.98	*160	30	75	*160	30	120	*160	30	180
19	289.0	270.06	*160	30	75	*180	30	120	*180	30	180
20	303.0	284.15	*160	30	75	*180	30	120	*180	30	180
21	317.0	298.24	*160	30	75	*180	30	120	*180	30	180
22	331.0	312.34	*160	30	75	*180	30	120	*180	30	180
23	345.0	326.44	*160	30	75	*180	30	120	*180	30	180
24	359.0	340.55	*160	30	75	*180	30	120	*180	30	180
25	373.0	354.66	*160	30	75	*180	30	120	*180	40	180
26	387.0	368.77	*160	30	75	*180	30	120	*180	40	180
27	401.4	382.88	*160	30	75	*180	30	120	*180	40	180
28	416.0	397.00	*160	30	75	*180	30	120	*180	40	180
29	430.0	411.12	*160	30	75	*180	30	120	*180	40	180
30	444.0	425.24	*160	30	75	*180	30	120	*180	40	180
31	458.0	439.37	*180	30	75	*180	30	120	*180	40	180
32	472.0	453.49	*180	30	75	*180	30	120	*180	40	180
33	486.0	467.62	*180	30	75	*180	30	120	*180	40	180
34	500.0	481.75	*180	30	75	*180	30	120	*180	40	180
35	514.0	495.88	*180	30	75	*200	30	120	*200	40	180
36	529.0	510.01	*180	30	75	*200	30	120	*180	40	180
37	543.0	524.14	*180	30	75	*200	30	120	*180	40	180
38	557.0	538.27	*180	30	75	*200	30	120	*200	40	180
39	571.0	552.40	*180	30	75	*200	30	120	*200	40	180
40	585.0	566.54	*180	30	75	*200	30	120	*200	40	180
45	656.0	637.22	*180	30	90	*200	30	120	*200	40	180
50	726.0	707.91	*180	30	90	*200	30	120	*200	40	180
57	825.0	806.89	*180	30	100	*200	30	120	*200	40	180
60	869.0	849.32	*180	30	100	*200	30	130	*200	40	190
76	1095.0	1075.60	*180	30	100	*200	30	130	*200	40	190

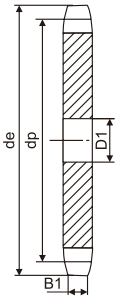
Z	d_e	d_p	S D_1	D D_2	T D_3
8	132.0	116.15	20	25	25
9	148.4	129.96	20	25	25
10	162.3	143.85	20	25	25
11	176.3	157.77	25	25	30
12	189.5	171.74	25	25	30
13	204.2	185.74	25	25	30
14	218.2	199.76	25	25	30
15	232.3	213.79	25	25	30
16	246.3	227.84	30	30	30
17	260.0	241.91	30	30	30
18	274.0	255.98	30	30	30
19	289.0	270.06	30	30	30
20	303.0	284.15	30	30	30
21	317.0	298.24	30	30	30
22	331.0	312.34	30	30	30
23	345.0	326.44	30	30	30
24	359.0	340.55	30	30	30
25	373.0	354.66	30	30	40
26	387.0	368.77	30	30	40
27	401.4	382.88	30	30	40
28	416.0	397.00	30	30	40
29	430.0	411.12	30	30	40
30	444.0	425.24	30	30	40
31	458.0	439.37	30	30	40
32	472.0	453.49	30	30	40
33	486.0	467.62	30	30	40
34	500.0	481.75	30	30	40
35	514.0	495.88	30	30	40
36	529.0	510.01	30	30	40
37	543.0	524.14	30	30	40
38	557.0	538.27	30	30	40
39	571.0	552.40	30	30	40
40	585.0	566.54	30	30	40
45	656.0	637.22	30	30	40
50	726.0	707.91	30	30	40
57	825.0	806.89	40	40	40
60	869.0	849.32	40	40	40
76	1095.0	1075.60	40	40	40

28A-1-2-3

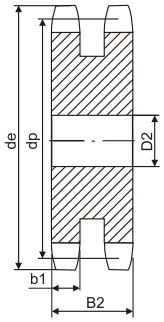
PLATEWHEELS 1″ 3/4X1″ 1/4

For chain Acc.to DIN 8187
ISO/R 606

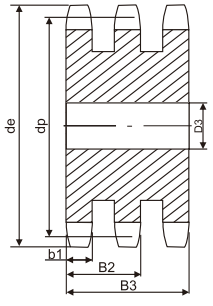














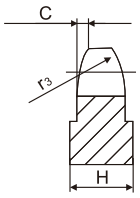
PLATEWHEELS	mm
Tooth radius r_3	44
Radius width C	5
Tooth width B_1	29.4
Tooth width b_1	28.8
Tooth width B_2	88.4
Tooth width B_3	148

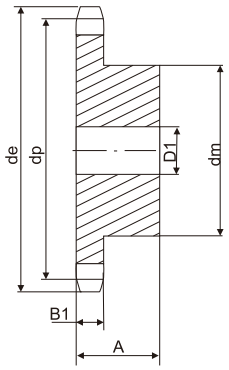
CHAIN	mm
Pitch	44.45
Internal width	30.99
Roller Φ	27.94

32B-1-2-3

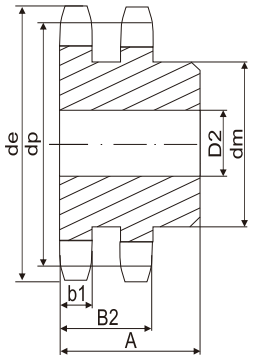
SPROCKETS 2″ X1″ 1/4

For chain Acc.to DIN 8187
ISO/R 606

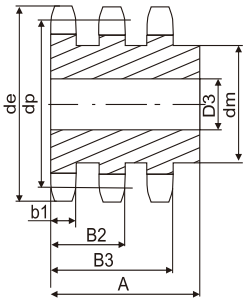














SPROCKETS	mm
Tooth radius r_3	51
Radius width C	5
Tooth width B_1	29.4
Tooth width b_1	28.8
Tooth width B_2	87.4
Tooth width B_3	146

CHAIN	mm
Pitch	50.8
Internal width	30.99
Roller Φ	29.21

Material: C 45
***Weld on hub**

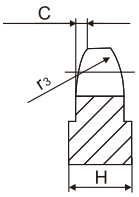
z	d_e	d_p	SIMPLEX			DUPLEX			TPIPLEX		
			d_m	D_1	A	d_m	D_2	A	d_m	D_3	A
8	153.2	132.69	82	25	80	82	30	120	82	30	180
9	169.0	148.54	88	25	80	88	30	120	88	30	180
10	185.0	164.54	104	25	80	104	30	120	104	30	180
11	200.8	180.34	120	30	80	120	30	120	120	30	180
12	216.8	196.29	133	30	80	*133	30	120	*133	30	180
13	232.8	212.29	*145	30	80	*145	30	120	*145	30	180
14	248.8	228.29	*145	30	80	*145	30	120	*145	30	180
15	264.8	244.30	*145	30	80	*160	30	120	*160	30	180
16	280.9	260.40	*160	30	90	*160	30	120	*160	30	180
17	296.9	276.40	*160	30	90	*180	30	120	*180	30	180
18	313.0	292.55	*160	30	90	*180	30	120	*180	30	180
19	329.1	308.66	*160	30	90	*200	30	120	*200	30	180
20	345.2	324.71	*180	30	90	*200	30	120	*200	30	180
21	361.3	340.82	*180	30	90	*200	30	120	*200	40	180
22	377.5	356.98	*180	30	90	*200	30	120	*200	40	180
23	393.6	373.08	*180	30	90	*200	30	120	*200	40	180
24	409.7	389.18	*180	30	90	*200	30	120	*200	40	180
25	425.8	405.33	*180	30	90	*200	30	120	*200	40	180
26	441.9	421.44	*180	30	90	*200	30	120	*200	40	180
27	458.1	437.59	*180	30	90	*200	30	120	*200	40	180
28	474.2	453.69	*180	30	90	*200	30	120	*200	40	180
29	490.4	469.90	*180	30	90	*200	30	120	*200	40	180
30	506.5	486.00	*180	30	90	*200	30	120	*200	40	180
32	538.8	518.26	*180	30	90	*200	30	120	*200	40	180
35	589.5	566.72	*180	30	90	*200	30	120	*200	40	180
38	635.5	615.14	*180	30	90	*200	30	120	*200	40	180
40	670.3	647.49	*180	30	90	*200	30	120	*200	40	180
45	751.0	728.25	*180	30	100	*200	30	120	*200	40	180
50	831.8	809.04	*180	30	100	*200	30	120	*200	40	180
57	945.0	922.16	*180	30	100	*220	30	120	*200	40	180
60	993.4	970.65	*200	30	110	*220	30	130	*220	40	180
76	1252.0	1229.30	*200	30	110	*220	30	130	*238	40	180

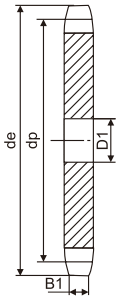
Z	d_e	d_p	S D_1	D D_2	T D_3
8	153.2	132.69	25	25	25
9	169.0	148.54	25	25	25
10	185.0	164.44	25	25	25
11	200.8	180.34	30	30	30
12	216.8	196.29	30	30	30
13	232.8	212.29	30	30	30
14	248.8	228.29	30	30	30
15	264.8	244.30	30	30	30
16	280.9	260.40	30	30	30
17	296.9	276.40	30	30	30
18	313.0	292.55	30	30	30
19	329.1	308.66	30	30	30
20	345.2	324.71	30	30	30
21	361.3	340.82	30	30	40
22	377.5	356.98	30	30	40
23	393.6	373.08	30	30	40
24	409.7	389.18	30	30	40
25	425.8	405.33	30	30	40
26	441.9	421.44	30	30	40
27	458.1	437.59	30	30	40
28	474.2	453.69	30	30	40
29	490.4	469.90	30	30	40
30	506.5	486.00	30	30	40
32	538.8	518.26	30	30	40
35	589.5	566.72	30	30	40
38	635.5	615.14	30	30	40
40	670.3	647.49	40	40	40
45	751.0	728.25	40	40	40
50	831.8	809.04	40	40	40
57	945.0	922.16	40	40	40
60	993.4	970.65	40	40	40
76	1252.0	1229.30	40	40	40

32A-1-2-3

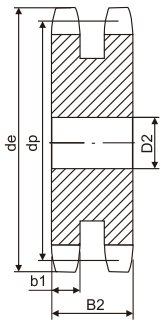
PLATEWHEELS 2″ X1″ 1/4

For chain Acc.to DIN 8187
ISO/R 606

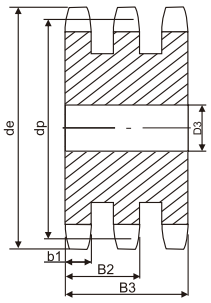














PLATEWHEELS	mm
Tooth radius r_3	51
Radius width C	5
Tooth width B_1	29.4
Tooth width b_1	28.8
Tooth width B_2	87.4
Tooth width B_3	146

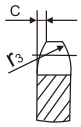
CHAIN	mm
Pitch	50.8
Internal width	30.99
Roller Φ	29.21

Toothings and pitches of DIN profiles not included in this catalog can be manufactured upon request.

PITCH 3/8″ X3/16″

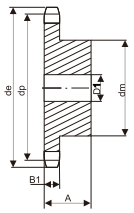
For Chain
Acc. to DIN 8188
ISO/R 606

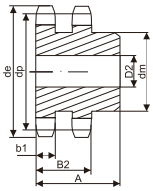
ASA 35

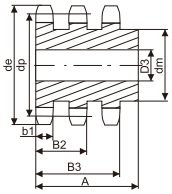


SPROCKETS&PLATEWHEELS	mm
Tooth radius r_3	10
Radius width C	1. 2
Tooth width B_1	4. 4
Tooth width b_1	4. 3
Tooth width B_2	14. 4

CHAIN	mm
Pitch	9.525
Internal width	4.77
Roller Φ	5.08
Material: C 45	







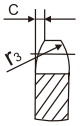
SPROCKETS			SIMPLEX			DUPLEX		
Z	d_e	d_p	d_m	D_2	A	d_m	D_3	A
10	35.70	30.82	20	8	20			
11	38.69	33.80	22	8	25			
12	41.68	36.80	25	8	25			
13	44.68	39.80	28	8	25	28	10	25
14	47.68	42.80	31	8	25	31	10	25
15	50.69	45.81	34	8	25	34	10	25
16	53.70	48.82	37	10	28	37	12	30
17	56.73	51.83	38	10	28	40	12	30
18	59.73	54.85	38	10	28	43	12	30
19	62.75	57.87	45	10	28	46	12	30
20	65.77	60.89	46	10	28	49	12	30
21	68.79	63.91	46	10	28	52	12	30
22	71.81	66.93	50	12	28	55	12	30
23	74.83	69.95	52	12	28	58	12	30
24	77.85	72.97	52	12	28	61	12	30
25	80.88	76.00	57	12	28	64	12	30
26	83.90	79.02	58	12	28	67	12	30
27	86.93	82.04	58	12	28	70	12	30
28	89.95	85.07	60	12	28	73	12	30
30	96.00	91.12	60	12	28			

PLATEWHEELS			S	D	T
Z	d_e	d_p	D_1	D_2	D_3
30	96.00	91.12		12	
32	102.06	97.17	12		
36	114.17	109.29	12		
38	120.22	115.34	12	14	
40	126.28	121.40	12		
45	141.43	136.55	16	16	
48	150.52	145.64	16		
57	177.79	172.91	16	16	
76	235.37	230.49	20	20	

PITCH 1/2″ X5/16

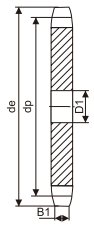
For Chain
Acc. to DIN 8188
ISO/R 606

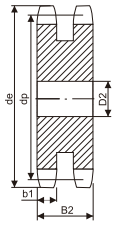
ASA 40

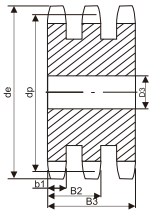


SPROCKETS&PLATEWHEELS	mm
Tooth radius r_3	13.5
Radius width C	1.6
Tooth width B_1	7.4
Tooth width b_1	7.2
Tooth width B_2	21.6
Tooth width B_3	36

CHAIN	mm
Pitch	12.7
Internal width	7.94
Roller Φ	7.94
Material: C 45	







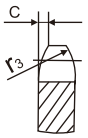
SPROCKETS			SIMPLEX			DUPLEX			TPIPLEX		
z	d_e	d_p	d_m	D_1	A	d_m	D_2	A	d_m	D_3	A
10	47.66	41.10	26	10	25						
11	51.64	45.08	29	10	25						
12	55.63	49.07	33	10	28				35	14	50
13	59.63	53.07	35	10	28	38	12	35	38	14	50
14	63.63	57.07	41	10	28	42	12	35	42	14	50
15	67.64	61.08	45	10	28	46	12	35	46	14	50
16	71.66	65.10	48	10	28	50	14	35	50	16	50
17	75.68	69.12	48	10	28	54	14	35	54	16	50
18	79.70	73.14	56	12	28	58	14	35	58	16	50
19	83.72	77.16	60	12	28	62	14	35	62	16	50
20	87.74	81.18	60	12	28	66	14	35	66	16	50
21	91.77	85.21	65	12	28	70	16	40	70	20	55
22	95.80	89.24	65	12	28	70	16	40	70	20	55
23	99.83	93.27	65	12	28	70	16	40	70	20	55
24	103.86	97.30	70	14	28	75	16	40	75	20	55
25	107.89	101.33	70	14	28	80	16	40	80	20	55
26	111.92	105.36	70	14	28	85	16	40	85	20	55
27	115.96	109.40	70	16	30	85	16	40	85	20	55
28	119.99	113.43	70	16	30	90	16	40	90	20	55
30	128.06	121.50	80	16	30	100	16	40			
32	136.13	129.57	80	16	30						
35	148.24	141.68	90	16	30						
36	152.28	145.72	90	16	30						
38	160.35	153.79	90	16	35						
40	168.43	161.87	90	16	35						

PLATEWHEELS			S	D	T
Z	d_e	d_p	D_1	D_2	D_3
30	128.06	121.50			20
32	136.13	129.57		16	
38	160.35	153.79		20	25
40	168.43	161.87		20	
42	176.50	169.94	20		
45	188.62	182.06	20	20	25
48	200.74	194.18	20		
57	237.10	230.54	20	25	25
76	313.88	307.32	25	25	25
95	390.67	384.11		25	

SPROCKETS			SIMPLEX			DUPLEX			TPIPLEX		
z	d_e	d_p	d_m	D_1	A	d_m	D_2	A	d_m	D_3	A
8	47.0	41.48	25	10	25						
9	52.6	46.42	30	10	25						
10	57.5	51.37	35	10	25						
11	63.0	56.34	37	12	30						
12	68.0	61.34	42	12	30				44	16	55
13	73.0	66.32	47	12	30	49	14	40	49	16	55
14	78.0	71.34	52	12	30	54	14	40	54	16	55
15	83.0	76.36	57	12	30	59	14	40	59	16	55
16	88.0	81.37	60	12	30	64	16	45	64	16	60
17	93.0	86.39	60	12	30	69	16	45	69	16	60
18	98.3	91.42	70	14	30	74	16	45	74	16	60
19	103.3	96.45	70	14	30	79	16	45	79	16	60
20	108.4	101.49	75	14	30	84	16	45	84	16	60
21	113.4	106.52	75	16	30	85	16	45	85	20	60
22	118.0	111.55	80	16	30	90	16	45	90	20	60
23	123.4	116.58	80	16	30	95	16	45	95	20	60
24	128.3	121.62	80	16	30	100	16	45	100	20	60
25	134.0	126.66	80	16	30	105	16	45	105	20	60
26	139.0	131.70	85	20	35				110	20	60
27	144.0	136.75	85	20	35				110	20	60
28	148.7	141.78	90	20	35				115	20	60
29	153.8	146.83	90	20	35						
30	158.8	151.87	90	20	35						
31	163.9	156.92	95	20	35						
32	168.9	161.95	95	20	35						
33	174.5	167.00	95	20	35						
34	179.0	172.05	95	20	35						
35	184.1	177.10	95	20	35						
36	189.1	182.15	100	20	35						
37	194.2	187.20	100	20	35						
38	199.2	192.24	100	20	35						
39	204.2	197.29	100	20	35						
40	209.3	202.34	100	20	35						

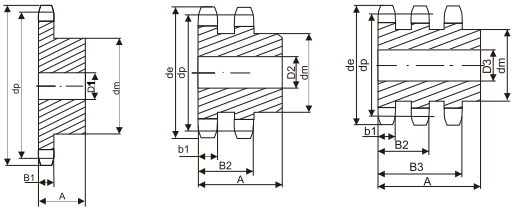
PITCH 5/8″ X3/8″ ASA 50

For Chain
Acc. to DIN 8188
ISO/R 606



SPROCKETS	mm
Tooth radius r_3	17
Radius width C	2
Tooth width B_1	9
Tooth width b_1	8.8
Tooth width B_2	26.9
Tooth width B_3	45

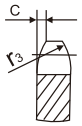
CHAIN	mm
Pitch	15.875
Internal width	9.52
Roller Φ	10.16
Material: C 45	



PLATEWHEELS			S	D	T	Z	d_e	d_p	S	D	T
Z	d_e	d_p	D_1	D_2	D_3				D_1	D_2	D_3
8	47.0	41.48	10			44	230.0	222.53	20		
9	52.6	46.42	10			45	235.0	227.58	20	20	25
10	57.5	51.37	10			46	240.1	232.63	20		
11	63.0	56.34	10			47	245.1	237.68	20		
12	68.0	61.34	10			48	250.2	242.73	20		
13	73.0	66.32	10			49	255.2	247.78	20		
14	78.0	71.34	10			50	260.3	252.82	20		
15	83.0	76.36	10			51	265.3	257.87	20		
16	88.0	81.37	12			52	270.4	262.92	20		
17	93.0	86.38	12			53	275.4	267.97	20		
18	98.3	91.42	12			54	280.5	273.03	20		
19	103.3	96.45	12			55	285.5	278.08	20		
20	108.4	101.49	12			56	290.6	283.13	25		
22	113.4	106.52	12			57	296.0	288.18	25	25	25
22	118.0	111.55	12			58	300.7	293.23	25		
23	123.5	116.58	12			59	305.7	298.27	25		
24	128.3	121.62	12			60	310.8	303.32	25		
25	134.0	126.66	12			62	321.4	313.43	25		
26	139.0	131.70	16			64	331.5	323.53	25		
27	144.0	136.75	16			65	336.5	328.58	25		
28	148.7	141.78	16			66	341.6	333.63	25		
29	153.8	146.83	16			68	351.7	343.74	25		
30	158.8	151.87	16	20	20	70	361.8	353.84	25		
31	163.9	156.92	16			72	371.9	363.95	25		
32	168.9	161.95	16			75	387.1	379.09	25		
33	174.5	167.00	16			76	392.1	384.16	25	25	30
34	179.0	172.05	16			78	402.2	394.25	25		
35	184.1	177.10	16			80	412.3	404.35	25		
36	189.1	182.15	20			85	437.6	429.62	30		
37	194.2	187.20	20			90	462.8	454.88	30		
38	199.2	192.24	20	20	25	95	488.5	480.14	30	30	
39	204.2	197.29	20			100	513.4	505.39	30		
40	209.3	202.34	20			110	563.9	555.92	30		
41	214.8	207.39	20			114	584.1	576.13	30		
42	219.9	212.44	20			120	614.4	606.45	30		
43	224.9	217.49	20			125	639.7	631.51	30		

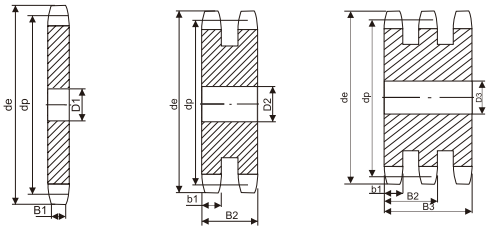
PITCH 5/8″ X3/8″ ASA 50

For Chain
Acc. to DIN 8188
ISO/R 606



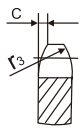
PLATEWHEELS	mm
Tooth radius r_3	17
Radius width C	2
Tooth width B_1	9
Tooth width b_1	8.8
Tooth width B_2	26.9
Tooth width B_3	45

CHAIN	mm
Pitch	15.875
Internal width	9.52
Roller Φ	10.16



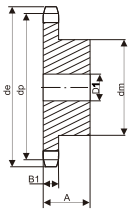
PITCH 3/4″ X1/2″

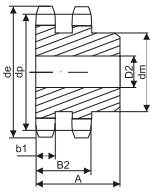
For Chain ASA 60
Acc. to DIN 8188
ISO/R 606

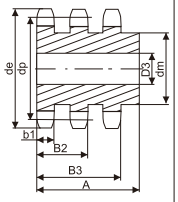


SPROCKETS	mm
Tooth radius r_3	20
Radius width C	2. 4
Tooth width B_1	12. 0
Tooth width b_1	11. 8
Tooth width B_2	34. 6
Tooth width B_3	57. 4

CHAIN	mm
Pitch	19. 05
Internal width	12. 7
Roller Φ	11. 91
Material: C 45	



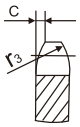




SPROCKETS			SIMPLEX			DUPLEX			TPIPLEX		
z	d_e	d_p	d_m	D_1	A	d_m	D_2	A	d_m	D_3	A
10	71. 54	61. 64	42	12	30	42	12	45			
11	77. 51	67. 61	45	12	30	47	16	50			
12	83. 49	73. 61	45	12	30	53	16	50	53	20	70
13	89. 49	79. 59	58	14	35	59	16	50	59	20	70
14	95. 50	85. 61	60	14	35	65	16	50	65	20	70
15	101. 52	91. 63	60	14	35	71	16	50	71	20	70
16	107. 54	97. 65	75	16	35	77	20	50	77	20	70
17	113. 56	103. 67	75	16	35	83	20	50	83	20	70
18	119. 59	109. 71	75	16	35	89	20	50	89	20	70
19	125. 63	115. 75	80	16	35	95	20	50	95	20	70
20	131. 67	121. 78	80	16	35	100	20	50	100	20	70
21	137. 71	127. 82	80	16	35	100	20	50	100	20	70
22	143. 75	133. 86	90	20	40	100	20	50	100	20	70
23	149. 79	139. 90	90	20	40	110	20	50	110	20	70
24	155. 84	145. 94	90	20	40	110	20	50	110	20	70
25	161. 88	152. 00	90	20	40	120	20	50	120	20	70
26	167. 93	158. 04	90	20	40	120	20	50			
27	173. 98	164. 09	90	20	40	120	20	50			
28	180. 03	170. 13	95	20	40	120	20	50			
30	192. 14	182. 25	95	20	40	120	20	50			

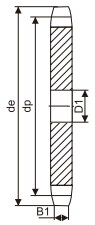
PITCH 3/4″ X1/2″

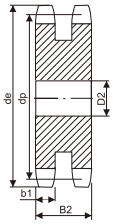
For chain ASA 60
Acc. to DIN 8188
ISO/R 606

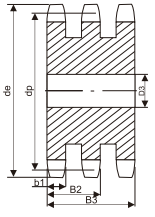


PLATEWHEELS	mm
Tooth radius r_3	20
Radius width C	2. 4
Tooth width B_1	12. 0
Tooth width b_1	11. 8
Tooth width B_2	34. 6
Tooth width B_3	57. 4

CHAIN	mm
Pitch	19. 05
Internal width	12. 7
Roller Φ	11. 91





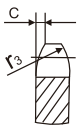


PLATEWHEELS			D	S	T
Z	d_e	d_p	D_1	D_2	D_3
30	192. 14	182. 25			20
32	204. 24	194. 35		20	
38	240. 58	230. 69	20	25	25
40	252. 69	242. 80	20	25	
45	282. 98	273. 09	25	25	25
48	301. 16	291. 27	25		
57	355. 70	345. 81	25	25	30
76	470. 87	460. 98	30	30	30
95	586. 06	576. 17		30	

SPROCKETS			SIMPLEX			DUPLEX			TRIPLEX		
Z	d_e	d_p	d_m	D_1	A	d_m	D_2	A	d_m	D_3	A
8	79.49	66.37	42	16	35						
9	87.38	74.27	50	16	35						
10	95.32	82.19	55	16	35						
11	103.28	90.14	61	16	40						
12	111.26	98.14	69	16	40	72	20	70	72	25	100
13	119.26	106.12	78	16	40	78	20	70	78	25	100
14	127.27	114.15	84	16	40	86	20	70	86	25	100
15	135.29	122.17	92	16	40	94	20	70	94	25	100
16	143.32	130.20	100	20	45	102	20	70	102	30	100
17	151.35	138.22	100	20	45	110	20	70	110	30	100
18	159.39	148.28	100	20	45	118	20	70	118	30	100
19	167.44	154.33	100	20	45	126	20	70	126	30	100
20	175.49	162.38	100	20	45	130	20	70	130	30	100
21	183.54	170.43	110	20	50	130	25	70			
22	191.60	178.48	110	20	50						
23	199.66	186.53	110	20	50						
24	207.72	194.59	110	20	50						
25	215.78	202.66	110	20	50						
26	223.84	210.72	120	20	50						
27	231.91	218.79	120	20	50						
28	239.98	226.85	120	20	50						
29	248.05	234.92	120	20	50						
30	256.12	243.00	120	20	50						

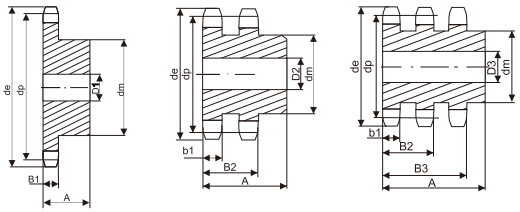
PITCH 1″ X5/8″ ASA 80

For Chain
Acc. to DIN 8188
ISO/R 606



SPROCKETS	mm
Tooth radius r_3	27
Radius widthC	3.2
Tooth width B_1	15.0
Tooth width b_1	14.7
Tooth width B_2	44.0
Tooth width B_3	73.3

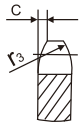
CHAIN	mm
Pitch	25.4
Internal width	15.88
Roller Φ	15.88
Material: C 45	



PLATEWHEELS			S	D	T
Z	d_e	d_p	D_1	D_2	D_3
10	95.32	82.19	15		
11	103.28	90.14	15		
12	111.26	98.14	15		
13	119.26	106.12	15		
14	127.27	114.15	15		
15	135.29	122.17	15		
16	143.32	130.20	19		
17	151.35	138.22	19		
18	159.39	146.28	19		
19	167.44	154.33	19		
20	175.49	162.38	19		
21	183.54	170.43	20		
22	191.60	178.48	20		
23	199.66	186.53	20		
24	207.72	194.59	20		
25	215.78	202.56	20	25	30
26	223.84	210.72	20		
27	231.91	218.79	20		
28	239.98	226.85	20		
30	256.12	243.00	20	25	30
32	272.26	259.13	25		
35	296.48	283.36	25		
38	320.70	307.59	25	25	30
45	377.24	364.12	25	25	30
50	417.64	404.52	25		
57	474.20	461.08	25	25	40
76	627.80	614.64	25	25	40

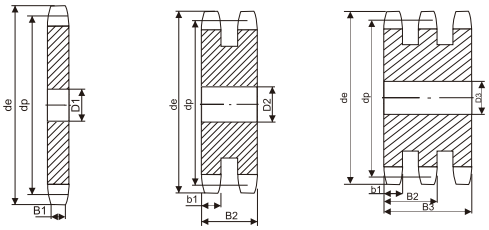
PITCH 1″ X5/8″ ASA 80

For Chain
Acc. to DIN 8188
ISO/R 606



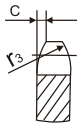
PLATEWHEELS	mm
Tooth radius r_3	27
Radius width C	3.2
Tooth width B_1	15.0
Tooth width b_1	14.7
Tooth width B_2	44.0
Tooth width B_3	73.3

CHAIN	mm
Pitch	25.4
Internal width	15.88
Roller Φ	15.88



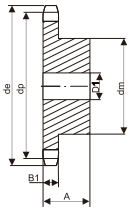
PITCH 1″ 1/4X3/4″

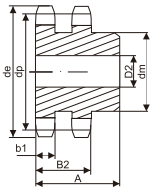
For Chain ASA 100
Acc. to DIN 8188
ISO/R 606



SPROCKETS	mm
Tooth radius r_3	33. 5
Radius width C	4
Tooth width B_1	18. 0
Tooth width b_1	17. 7
Tooth width B_2	53. 5
Tooth width B_3	89. 2

CHAIN	mm
Pitch	31. 75
Internal width	19. 05
Roller Φ	19. 05
Material: C 45	

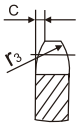




SPROCKETS			SIMPLEX			DUPLEX		
z	d_e	d_p	d_m	D_1	A	d_m	D_2	A
8	98.1	82.96	53	20	40			
9	108.0	92.84	63	20	40			
10	117.9	102.74	70	20	40			
11	127.8	112.68	77	20	45			
12	137.8	122.68	88	20	45	90	20	80
13	147. 8	132. 65	98	20	45	100	20	80
14	157. 8	142. 68	108	20	45	110	20	80
15	167. 9	152. 72	118	20	45	120	20	80
16	177. 9	162. 75	120	25	50	120	25	80
17	187. 9	172. 78	120	25	50	120	25	80
18	198. 0	182. 85	120	25	50			
19	208. 1	192. 91	120	25	50			
20	218. 1	202. 98	120	25	50			
21	228. 2	213. 04	140	25	55			
22	238. 3	233. 11	140	25	55			
23	248. 3	233. 17	140	25	55			
24	258. 4	243. 23	140	25	55			
25	268. 5	253. 33	140	25	55			

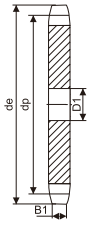
PITCH 1” 1/4X3/4”

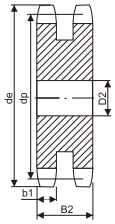
For Chain ASA 100
Acc. to DIN 8188
ISO/R 606



PLATEWHEELS	mm
Tooth radius r_3	33. 5
Radius width C	4
Tooth width B_1	18. 0
Tooth width b_1	17. 7
Tooth width B_2	53. 5
Tooth width B_3	89. 2

CHAIN	mm
Pitch	31. 75
Internal width	19. 05
Roller Φ	19. 05





PLATEWHEELS			S	D	T
Z	d_e	d_p	D_1	D_2	D_3
8	98.1	82.96	16		
9	108.0	92.84	16		
10	117.9	102.74	16		
11	127.8	112.68	16		
12	137.8	122.68	20		
13	147. 8	132. 65	20		
14	157. 8	142. 68	20		
15	167. 9	152. 72	20		
16	177. 9	162. 75	20		
17	187. 9	172. 78	20		
18	198. 0	182. 85	20		
19	208. 1	192. 91	20		
20	218. 1	202. 98	20	25	
21	228. 2	213. 04	25		
22	238. 3	233. 11	25		
23	248. 3	233. 17	25		
24	258. 4	243. 23	25		
25	268. 5	253. 33	25	25	
26	278. 6	263. 40	25		
27	288. 6	273. 40	25		
28	298. 7	283. 56	25		
29	308. 8	293. 65	25		
30	318. 9	303. 75	25	25	
31	329. 0	313. 85	25		
32	339. 1	323. 91	25		
33	349. 2	334. 01	25		
34	359. 3	344. 10	25		
35	369. 4	354. 20	25		
36	379. 5	364. 30	25		
37	389. 5	374. 39	25		
38	399. 6	384. 49	25	30	
39	409. 7	394. 59	25		
40	419. 8	404. 68	25		
45	470. 3	455. 17	30	30	
57	591. 5	576. 36	30	30	

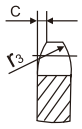
SPROCKETS			SIMPLEX			DUPLEX		
Z	d_e	d_p	d_m	D_1	A	d_m	D_2	A
8	119. 04	99.55	58	20	45			
9	130. 88	111.40	70	20	45			
10	142. 77	123.29	80	20	45			
11	154. 71	135.21	90	25	50			
12	166. 69	147.22	102	25	50	102	25	100
13	178. 68	159. 18	114	25	50	114	25	100
14	190. 70	171. 22	128	25	50	128	25	100
15	202. 73	183. 26	140	25	50	140	25	100

PITCH 1″ 1/2X1″

For Chain ASA 120

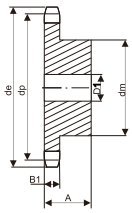
Acc. to DIN 8188

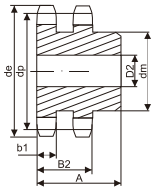
ISO/R 606



SPROCKETS	mm
Tooth radius r_3	40.5
Radius width C	4.8
Tooth width B_1	24.1
Tooth width b_1	23.6
Tooth width B_2	69.0

CHAIN	mm
Pitch	38.1
Internal width	25.4
Roller Φ	22.22
Material: C 45	





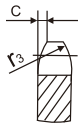
PLATEWHEELS			SIMPLEX		DUPLEX	
Z	d_e	d_p		D_1		D_2
16	214. 77	195. 29		25		
17	226. 83	207. 35		25		25
18	238. 89	219. 41		25		25
20	263. 03	243. 55		25		25
22	287. 20	267. 72		25		
25	323. 47	303. 99		25		25
30	383. 97	364. 49		30		30
32	408. 19	388. 71		30		
38	480. 85	461. 37		30		30
45	565. 67	546. 19		30		40
57	711. 10	691. 62				40

PITCH 1″ 1/2X1″

For Chain ASA 120

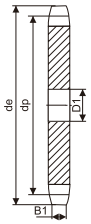
Acc. to DIN 8188

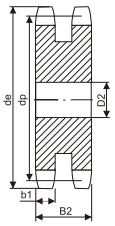
ISO/R 606



PLATEWHEELS	mm
Tooth radius r_3	40.5
Radius width C	4.8
Tooth width B_1	24.1
Tooth width b_1	23.6
Tooth width B_2	69.0

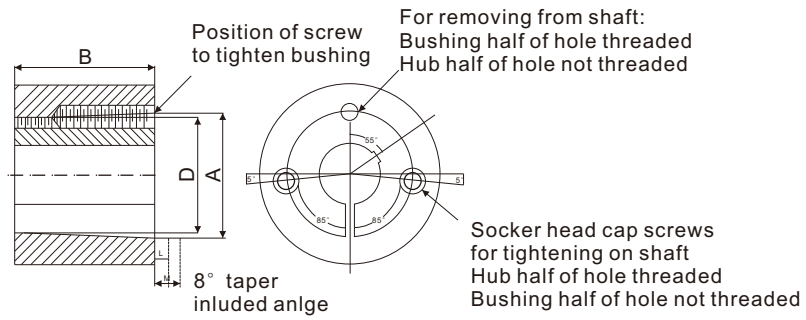
CHAIN	mm
Pitch	38.1
Internal width	25.4
Roller Φ	22.22
Material: C 45	





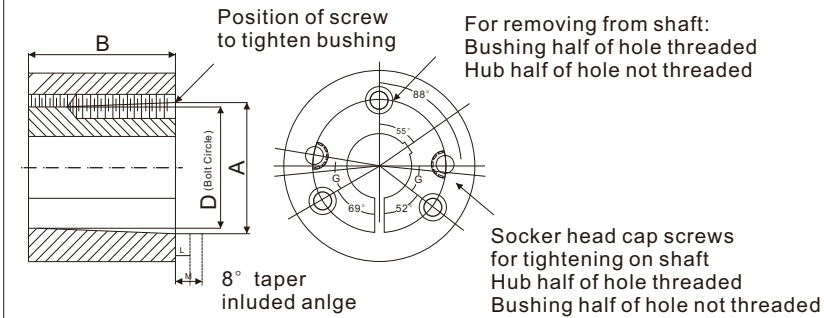
Toothings and pitches of ASA profiles not included in this catalog can be manufactured upon request.

TAPER BUSHINGS





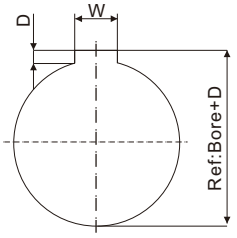




Dimensions for 1008 thru 3030TAPER Bushings

Bush.NO.	A	B	D	Set Screws
1008	1.386	7/8	1 29/64	1/4 X 1/2
1108	1.511	7/8	1 29/64	1/4 X 1/2
1210	1 7/8	1	1 3/4	3/8 X 5/8
1215	1 7/8	1 1/2	1 3/4	3/8 X 5/8
1310	2	1	1 7/8	3/8 X 5/8
1610	2 1/4	1	2 1/8	3/8 X 5/8
1615	2 1/4	1 1/2	2 1/8	3/8 X 5/8
2012	2 3/4	1 1/4	2 5/8	7/16X 7/8
2017	2 3/4	1 3/4	2 5/8	7/16X 7/8
2517	3 3/8	1 3/4	3 1/4	1/2 X 1
2525	3 3/8	2 1/2	3 1/4	1/2 X 1
3020	4 1/4	2	4	5/8 X 1 1/4
3030	4 1/4	3	4	5/8 X 1 1/4

ISO STANDARD METHOD
FOR MEASURING KEYSEAT DEPTH
D:depth measured at centerline
MMBore Keyway dimensions conform to ISO standard



Dimensions for 3535thru 5050 TAPER Bushings

Bush.NO	A	B	D	Socket Head Cap Screws	G
3535	5	3 1/2	4.83	1/2 X 1 1/2	40
4040	5 3/4	4	5.54	5/8 X 1 3/4	40
4545	6 3/8	4 1/2	6.13	3/4 X 2	40
5050	7	5	6.72	7/8 X 2 1/4	37

TAPER BUSHING KEYWAY

DIN 6885
JIS B 1301-1976
UNI 6604-1969
GB 1095-1979

Bush. No.	Bore	Bushing Keyway
1008	10	3X1.40
	11 12	4X1.80
	14 16	5X2.30
	18 19 20 22	6X2.80
	24	8X2.00
	25	8X1.30
1108	10	3X1.40
	11 12	4X1.80
	14 16	5X2.30
	18 19 20 22	6X2.80
	24 25	8X3.30
	28	8X2.00
1210	11 12	4X1.80
	14 16	5X2.30
	18 19 20 22	6X2.80
	24 25 28 30	8X3.30
	32	10X3.30
1215	11 12	4X1.80
	14 16	5X2.30
	18 19 20 22	6X2.80
	24 25 28 30	8X3.30
	32	10X3.30
1310	14 16	5X2.30
	18 19 20 22	6X2.80
	24 25 28 30	8X3.30
	32 35	10X3.30

Bush. No.	Bore	Bushing Keyway
1610	14 16	5X2.30
	18 19 20 22	6X2.80
	24 25 28 30	8X 3.30
	32 35 38	10X3.30
	40	12X3.30
	42	12X2.20
1615	14 16	5X2.30
	18 19 20 22	6X2.80
	24 25 28 30	8X3.30
	32 35 38	10X3.30
	40	12X3.30
	42	12X2.20
2012	18 19 20 22	6X2.80
	24 25 28 30	8X3.30
	32 35 38	10X3.30
	40 42	12X3.30
	45 48 50	14X3.80

Bush. No.	Bore	Bushing Keyway
2517	20 22	6X2.80
	24 25 28 30	8X 3.30
	32 35 38	10X3.30
	40 42	12X3.30
	45 48 50	14X3.80
	55	16X4.30
	60	18X4.40
2525	20 22	6X2.80
	24 25 28 30	8X3.30
	32 35 38	10X3.30
	40 42	12X3.30
	45 48 50	14X3.80
	55	16X4.30
	60	18X4.40

Bush. No.	Bore	Bushing Keyway
3020	25 28 30	8X 3.30
	32 35 38	10X3.30
	40 42	12X3.30
	45 48 50	14X3.80
	55	16X4.30
	60 65	18X4.40
	70 75	20X4.90
3030	25 28 30	8X3.30
	32 35 38	10X3.30
	40 42	12X3.30
	45 48 50	14X3.80
	55	16X4.30
	60 65	18X4.40
	70 75	20X4.90

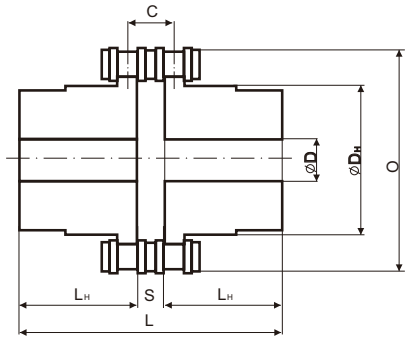
Bush. No.	Bore	Bushing Keyway
3535	35 38	10X3.30
	40 42	12X3.30
	45 48 50	14X3.80
	55	16X4.30
	60 65	18X4.40
	70 75	20X4.90
	80 85	22X5.40
	90	25X5.40
4040	40 42	12X3.30
	45 48 50	14X3.80
	55	16X4.30
	60 65	18X4.40
	70 75	20X4.90
	80 85	22X5.40
	90 95	25X5.40
	100	28X6.40

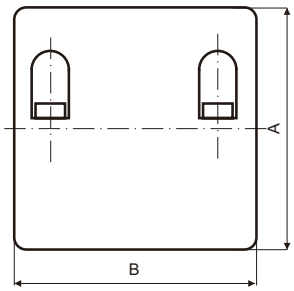
Bush. No.	Bore	Bushing Keyway
4545	55	16X4.30
	60 65	18X4.40
	70 75	20X4.90
	80 85	22X5.40
	90 95	25X5.40
	100 105 110	28X6.40
5050	60 65	18X4.40
	70 75	20X4.90
	80 85	22X5.40
	90 95	25X5.40
	100 105 110	28X6.40
	115 120 125	32X7.40

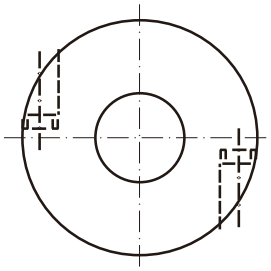
CHAIN COUPLINGS

The chain coupling,composed of two-strand roller chains and two sprockets, features simple and compact structure,and high flexibility,power transmission capability and durability.What's more, the chain coupling allows simple connection/disconnection,and the use of the housing enhances safely and durability.







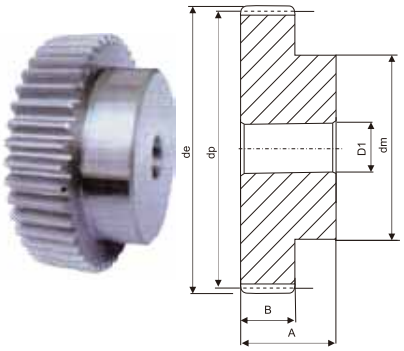


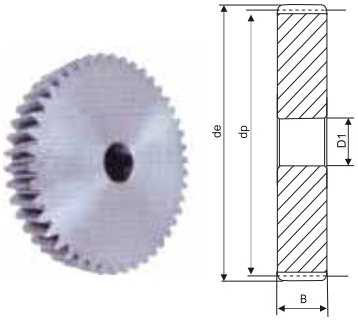
Couping number	Chain pitch	Coupling										Casing		
		Drill hole	Shaft diam.		O	L	D_H	L_H	S	C	Approx weight kg/m	A	B	Approx weight kg/m
			Min.	Max.										
3012	9.525	12	13.5	16	45	65	27.2	29.5	6.0	10.1	0.31	69	63	0.22
4012 **4014** **4016**	12.70	12 12 13.5	14 14 16	22 28 32	62 69 77	79.4 79.4 87.4	36 45 51.5	36 36 40	7.4	14.4	0.73 1.12 1.50	77 84 92	72 75 72	0.30 0.31 0.35
5014 **5016** **5018**	15.875	14.5 14.5 16	17 18 18	35 40 45	86 96 106	99.7 99.7 99.7	56 64 73.5	45 45 45	9.7	18.1	2.15 2.75 3.60	101 110 122	85 87 85	0.47 0.50 0.60
6018 **6020** **6022**	19.05	20 20 20	22 24 28	56 60 71	127 139 151	123.5 123.5 123.5	89.5 102.5 116	56 56 56	11.5	22.8	6.55 8.38 10.4	147 158 168	105 105 117	1.2 1.2 1.2
8018 **8020** **8022**	20.40	20 20 20	32 36 40	80 90 100	169 185 202	141.2 145.2 157.2	115 125 142	63 65 71	15.2	29.3	13.2 16.2 21.8	190 210 226	129 137 137	1.9 2.5 2.7
10020	31.75	25	45	110	233	178.8	162	80	18.8	35.8	32.4	281	153	4.1
12018 **12022**	38.10	35 35	50 56	125 140	256 304	202.7 222.7	173 213	90 100	22.7	45.4	43.2 69.1	307 357	181 181	5.2 6.7

SPUR GEARS

Pressure angle 20°

Z	Mod. 1				Mod. 1.5				Mod. 2				Mod. 2. 5			
	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1
12	14	12	9	-	21. 0	18. 0	14	8	28	24	18	10	35. 0	30. 0	22	10
13	15	13	10	-	22. 5	19. 5	15	8	30	26	20	10	37. 5	32. 5	25	10
14	16	14	11	-	24. 0	21. 0	17	8	32	28	22	10	40.0	35. 0	28	10
15	17	15	12	-	25. 5	22. 5	18	8	34	30	24	10	42.5	37. 5	30	10
16	18	16	13	-	27. 0	24. 0	19	8	36	32	25	10	45.0	40. 0	32	12
17	19	17	14	-	28. 5	25. 5	20	8	38	34	25	10	47. 5	42. 5	35	12
18	20	18	15	8	30. 0	27. 0	20	8	40	36	25	10	50. 0	45. 0	35	12
19	21	19	15	8	31. 5	28. 5	20	8	42	38	25	10	52. 5	47. 5	35	12
20	22	20	16	8	33. 0	30. 0	25	8	44	40	30	10	55. 0	50. 0	40	12
21	23	21	16	8	34. 5	31. 5	25	10	46	42	30	12	57. 5	52. 5	40	14
22	24	22	16	8	36. 0	33. 0	25	10	48	44	30	12	60. 0	55. 0	45	14
23	25	23	18	8	37. 5	34. 5	25	10	50	46	30	12	62. 5	57. 5	45	14
24	26	24	20	10	39. 0	36. 0	25	10	52	48	35	12	65. 0	60. 0	45	14
25	27	25	20	10	40. 5	37. 5	25	10	54	50	35	12	67. 5	62. 5	50	14
26	28	26	20	10	42. 0	39. 0	30	12	56	52	40	12	70. 5	65. 0	50	14
27	29	27	20	10	43. 5	40. 5	30	12	58	54	40	12	72. 5	67. 5	50	14
28	30	28	20	10	45. 0	42. 0	30	12	60	56	40	12	75. 0	70.0	50	14
29	31	29	20	10	46. 5	43. 5	30	12	62	58	40	14	77. 5	72.5	50	14
30	32	30	20	10	48. 0	45. 0	30	12	64	60	40	14	80. 0	75.0	55	14
31	33	31	25	10	49. 5	46. 5	35	12	66	62	45	14	82. 5	77.5	55	16
32	34	32	25	**10**	51. 0	48. 0	35	12	68	64	45	14	85. 0	80. 0	55	16
33	35	33	25	**10**	52. 5	49. 5	35	12	70	66	45	14	87. 5	82. 5	55	16
34	36	34	25	**10**	54. 0	51. 0	35	12	72	68	45	14	90. 0	85. 0	55	16
35	37	35	25	**10**	55. 5	52. 5	35	12	74	70	45	14	92. 5	87. 5	60	16
36	38	36	25	**10**	57. 0	54. 0	35	12	76	72	45	14	95. 0	90. 0	60	16
37	39	37	25	10	58. 5	55. 5	40	12	78	74	50	14	97. 5	92. 5	60	16
38	40	38	25	10	60. 0	57. 0	40	12	80	76	50	14	100. 0	95. 0	60	16
39	41	39	25	10	61. 5	58. 5	40	12	82	78	50	14	102. 5	97. 5	60	16
40	42	40	25	10	63. 0	60. 0	40	12	84	80	50	14	105. 0	100. 0	70	16
41	43	41	30	10	64. 5	61. 5	40	12	86	82	55	16	107. 5	102. 5	70	16
42	44	42	30	10	66. 0	63. 0	50	12	88	84	55	16	110. 0	105. 0	70	16
43	45	43	30	10	67. 5	64. 5	50	12	90	86	55	16	112. 5	107. 5	70	16
44	46	44	30	10	69. 0	66. 0	50	12	92	88	60	16	115. 0	110. 0	70	16
45	47	45	30	12	70. 5	67. 5	50	12	94	90	60	16	117. 5	112. 5	70	16
46	48	46	30	12	72. 0	69. 0	50	14	96	92	60	16	120. 0	115. 0	70	16
47	49	47	30	12	73. 5	70. 5	50	14	98	94	70	16	122. 5	117. 5	80	20
48	50	48	30	12	75. 0	72. 0	50	14	100	96	70	16	125. 0	120. 0	80	20
49	51	49	30	12	76. 5	73. 5	50	14	102	98	70	16	127. 5	122. 5	80	20
50	52	50	30	12	78. 0	75. 0	50	14	104	100	70	16	130. 0	125. 0	80	20
51	53	51	40	12	79. 5	76. 5	60	14	106	102	70	16	132. 5	127. 5	80	20
52	54	52	40	12	81. 0	78. 0	60	14	108	104	70	16	135. 0	130. 0	90	20
53	55	53	40	12	82. 5	79. 5	60	14	110	106	70	16	137. 5	132. 5	90	20
54	56	54	40	12	84. 0	81. 0	60	14	112	108	70	16	140. 0	135. 0	90	20
55	57	55	40	12	85. 5	82. 5	60	14	114	110	70	16	142. 5	137. 5	90	20
56	58	56	40	12	87. 0	84. 0	60	16	116	112	70	16	145. 0	140. 0	100	20
57	59	57	40	12	88. 5	85. 5	60	16	118	114	70	16	147. 5	142. 5	100	20
58	60	58	40	12	90. 0	87. 0	60	16	120	116	70	16	150. 0	145. 0	100	20
59	61	59	40	12	91. 5	88. 5	60	16	122	118	70	16	152. 5	147. 5	100	20
60	62	60	40	12	93. 0	90. 0	60	16	124	120	70	16	155. 0	150. 0	100	20
61	63	61	50	12	94. 5	91. 5	70	16	126	122	80	16				
62	64	62	50	12	96. 0	93. 0	70	16	128	124	80	16				
63	65	63	50	12	97. 5	94. 5	70	16	130	126	80	16				
64	66	64	50	12	99. 0	96. 0	70	16	132	128	80	16				
65	67	65	50	12	100. 5	97. 5	70	16	134	130	80	16	167. 5	162. 5	-	20
66	68	66	50	12	102. 0	99. 0	70	16	136	132	80	16				
67	69	67	50	12	103. 5	100. 5	70	16	138	134	80	16				
68	70	68	50	12	105. 0	102. 0	70	16	140	136	80	16				
69	71	69	50	12	106.5	103. 5	70	16	142	138	80	16				
70	72	70	50	12	108.0	105.0	70	16	144	140	80	16	180. 0	175. 0	-	20
72	74	71	-	12	111.0	108.0	-	16	148	144	-	16	185. 0	180. 0	-	20
75	77	75	-	12	115. 5	112. 5	-	16	154	150	-	20	192. 5	187. 5	-	20
76	78	76	-	12	117. 0	114. 0	-	16	156	152	-	20	195. 0	190. 0	-	20
80	82	80	-	12	123. 0	120. 0	-	16	164	160	-	20	205. 0	200. 0	-	25
85	87	85	-	12	130. 0	127. 5	-	16	174	170	-	20	217. 5	212. 5	-	25
90	92	90	-	12	138. 0	135. 0	-	16	184	180	-	20	230. 0	225. 0	-	25
95	97	95	-	12	145. 5	142. 5	-	16	194	190	-	20	242. 5	237. 5	-	25
100	102	100	-	12	153. 0	150. 0	-	16	204	200	-	20	255. 0	250. 0	-	25
110	112	110	-	12	168. 0	165. 0	-	16	224	220	-	20	280. 0	275. 0	-	25
114	116	114	-	12	174. 0	171. 0	-	16	232	228	-	20	290. 5	285. 5	-	25
120	122	120	-	12	183. 0	180. 0	-	16	244	240	-	20	305. 0	300. 0	-	25
127	129	127	-	12	193. 5	190. 5	-	16	258	254	-	20	322. 5	317. 5	-	25





Tooth width "B"

Module1 =15mm
Module1. 5=17mm
Module2 =20mm
Module2. 5=25mm
Module3 =30mm
Module4 =40mm
Module5 =50mm
Module6 =60mm

Tooth width "A"

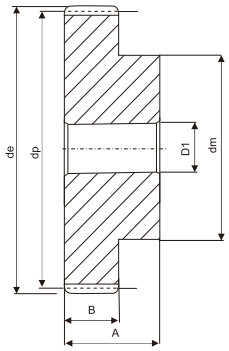
Module1 =25mm
Module1. 5=30mm
Module2 =35mm
Module2. 5=45mm
Module3 =50mm
Module4 =60mm
Module5 =75mm
Module6 =80mm

Material:**C45**

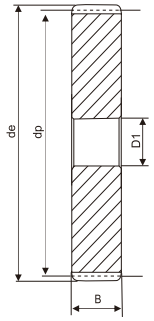
SPUR GEARS

Pressure angle 20°









Tooth width "B"

Module1 =15mm
Module1. 5=17mm
Module2 =20mm
Module2. 5=25mm
Module3 =30mm
Module4 =40mm
Module5 =50mm
Module6 =60mm

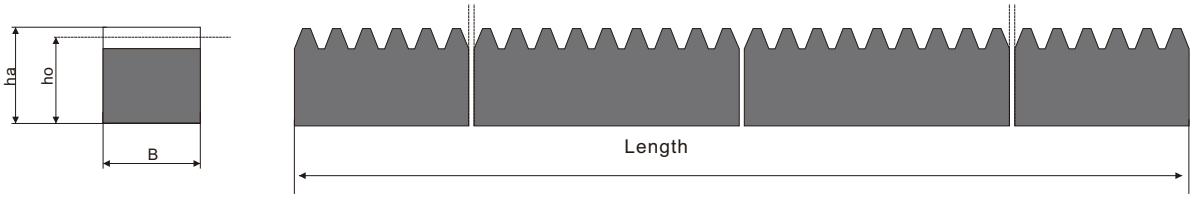
Tooth width "A"

Module1 =25mm
Module1. 5=30mm
Module2 =35mm
Module2. 5=45mm
Module3 =50mm
Module4 =60mm
Module5 =75mm
Module6 =80mm

Material: C45

Z	Mod. 3				Mod. 4				Mod. 5				Mod. 6			
	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1	d_e	d_p	d_m	D_1
12	42	36	27	12	56	48	35	14	70	60	45	20	84	72	54	20
13	45	39	30	12	60	52	40	14	75	65	50	20	90	78	60	20
14	48	42	33	12	64	56	45	14	80	70	55	20				
15	51	45	35	12	68	60	45	14	85	75	60	20	102	90	70	20
16	54	48	38	14	72	64	50	16	90	80	65	20	108	95	75	20
17	57	51	42	14	76	68	50	16	95	85	70	20				
18	60	54	45	14	80	72	50	16	100	90	70	20	120	108	80	20
19	63	57	45	14	84	76	60	16	105	95	70	20				
20	66	60	45	14	88	80	60	16	110	100	80	20	132	120	90	20
21	69	63	45	16	92	84	70	16	115	105	80	20				
22	72	66	50	16	96	88	70	16	120	110	80	20				
23	75	69	50	16	100	92	75	20	125	115	90	20				
24	78	72	50	16	104	96	75	20	130	120	90	20	156	144	110	25
25	81	75	60	16	108	100	75	20	135	125	90	20	162	150	110	25
26	84	78	60	16	112	104	75	20	140	130	100	20				
27	87	81	60	16	116	108	75	20	145	135	100	20				
28	90	84	60	16	120	112	75	20	150	140	100	25	180	168	-	25
29	93	87	60	16	124	116	75	20	155	145	110	25				
30	96	90	60	16	128	120	75	20	165	150	110	25	192	180	-	25
31	99	93	60	16	132	124	80	20								
32	102	96	70	16	136	128	80	20	170	160	-	25	204	192	-	25
33	105	99	70	16	140	132	80	20								
34	108	102	70	16	144	136	80	20			-					
35	111	105	70	16	148	140	80	20	185	175		25	222	210	-	25
36	114	108	70	20	152	144	80	25								
37	117	111	70	20												
38	120	114	80	20	160	152		25	200	190	-	25	240	220	-	25
39	123	117	80	20												
40	126	120	80	20	168	160		25	210	200	-	25	252	240	-	25
41	129	123	80	20												
42	132	126	80	20												
43	135	129	80	20												
44	138	132	90	20												
45	141	135	90	20	188	180	-	25	235	225	-	25				
46	144	138	90	20												
47	147	141	100	20												
48	150	144	100	20	200	192		25	250	240	-	25				
50	156	150	-	20	208	200		25	260	250	-	30				
52	162	156	-	20	216	208		25	270	260	-	30				
55	171	165	-	20	228	220		25	285	275	-	30				
57	177	171	-	20	236	228		25	295	285	-	30				
60	186	180	-	20	248	240		25	310	300	-	30				
65	201	195	-	20	268	260		25	335	325	-	30				
70	216	210	-	25	288	280		25	360	350	-	30				
72	222	216	-	25												
75	231	225	-	25	308	300	-	25	385	375	-	30				
76	234	228	-	25	312	304	-	30	390	380	-	30				
80	246	240	-	25	328	320	-	30	410	400	-	30				
85	261	255	-	25	348	340	-	30	435	425	-	30				
90	276	270	-	25	368	360	-	30	460	450	-	30				
95	291	285	-	25	388	380	-	30	485	475	-	30				
100	306	300	-	25	408	400	-	30	510	500	-	30				
110	336	320	-	25	448	440	-	30	560	550	-	30				
114	348	342	-	30	464	456	-	30	580	570	-	30				
120	366	360	-	30												
127	387	381	-	30												

RACKS



PRESSURE ANGEL 20°
Material C45

Modul	Length	B X ha	ho	Kg
1	500	15 x 15	14	0,80
1	1000	15 x 15	14	1,60
1	2000	15 x 15	14	3,30
1,5	500	17 x 17	15,5	1,00
1,5	1000	17 x 17	15,5	2,10
1,5	2000	17 x 17	15,5	4,10
2	500	20 x 20	18	1,40
2	1000	20 x 20	18	2,80
2	2000	20 x 20	18	5,60
2,5	500	25 x 25	22,5	2,20
2,5	1000	25 x 25	22,5	4,40
2,5	2000	25 x 25	22,5	8,70
3	500	30 x 30	27	3,20
3	1000	30 x 30	27	6,30
3	2000	30 x 30	27	12,60
4	1000	25 x 25	21	4,10
4	2000	25 x 25	21	8,10
4	1000	30 x 30	26	6,00
4	2000	30 x 30	26	12,10
4	500	40 x 40	36	5,60
4	1000	40 x 40	36	11,20
4	2000	40 x 40	36	22,40
5	500	50 x 50	45	8,70
5	1000	50 x 50	45	17,50
5	2000	50 x 50	45	35,00
6	1000	60 x 60	54	25,20
6	2000	60 x 60	54	50,40


BISON
Power the Motion

BISON

Power the Motion

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