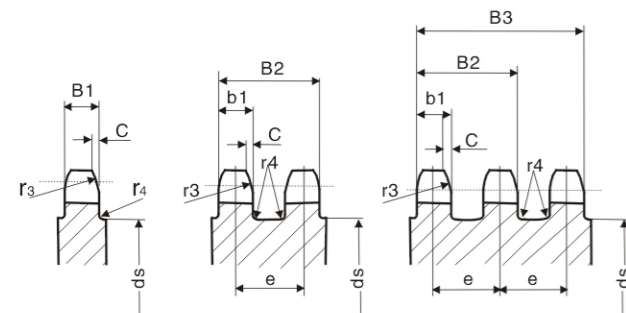
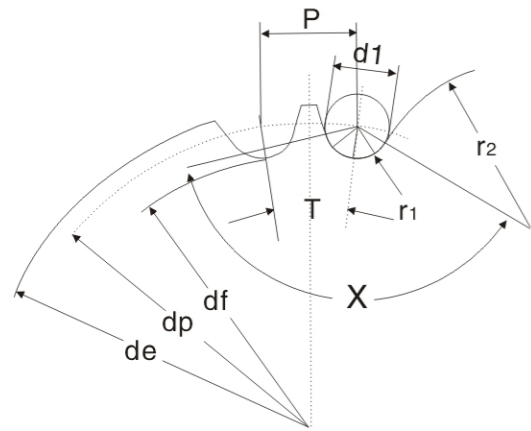


Tooth Profiles of Sprockets

Tooth Space Profile

For Roller Chains DIN8187-ISO/R606



Dimensions in mm

Formulae Pitch Diameter

$$dp = \frac{P}{\sin(180^\circ/z)}$$

Root diameter

$$df = da - d1$$

Tip Diameter

$$de_{max.} = dp + 1.25p - d1$$

$$de_{min.} = dp + (1 - 1.6/z)p - d1$$

Groove Diameter

$$ds = p \cdot \cot(180^\circ/z) - 1.05g - 2r4 - 1$$

(g = max. height of chain link plate)

Roller bed radius

$$r1_{max.} = 0.505d1 + 0.069\sqrt[3]{d1}$$

$$r1_{min.} = 0.505d1$$

Roller bed angle

$$X_{max.} = 140^\circ - 90^\circ/z$$

$$X_{min.} = 120^\circ - 90^\circ/z$$

Tooth flank radius

$$r2_{max.} = 0.008d1(z + 180)$$

$$r2_{min.} = 0.12d1(p - d1)$$

Tooth width $p \leq 12.7$ $p \geq 12.7$

Single sprocket B1 0.93b 0.95b

Double and triple sprockets b1 0.91b 0.93b

Quaruple sprocket and above b1 0.88b 0.93b

(b = internal width of chain)

Tooth Chamfer

$$C = 0.1b \text{is/to} 0.15P$$

Tooth Chamfer Radius

$$r3 \geq P$$

Permissible tolerance

Root diameter h11

Tooth width h14

Radial runout between bore and root diameter:
 $0.0008df + 0.08$ or 0.15

(depending on which value is larger)
but not to exceed 0.76mm

Axial runout between bore and gear rim face:
 $0.0009df + 0.08$, not to exceed 1.14mm

P = Pitch

Z = Teeth

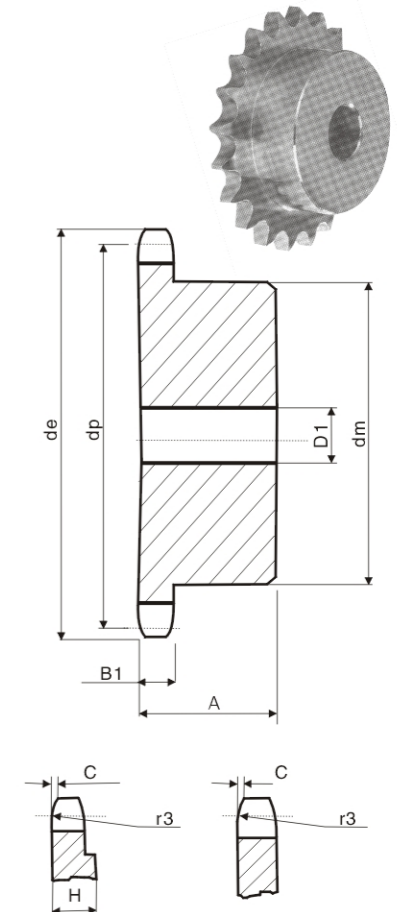
d1 = Roller Diameter

Sprockets European Standard Series

Z	de	dp	SIMPLEX					
			dm	D	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	101.9	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			

03B-1 SPROCKETS 5x2.5mm

For chain Acc.to DIN 8187
ISO/R 606



Power Transmission Professional

SPROCKETS mm

Tooth radius r3 5

Radius width C 0.6

Tooth width B1 2.3

CHAIN mm

Pitch 5

Internal width 2.5

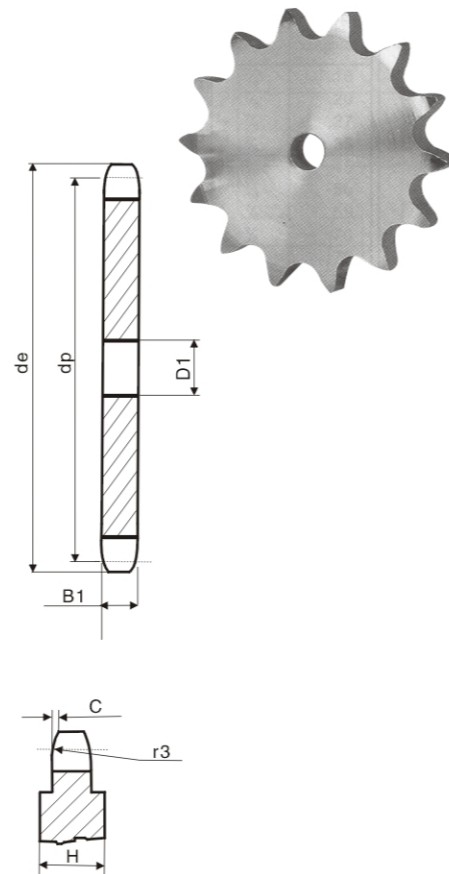
Roller Φ 3.2

H=4mm-Form Z=80 the width of the plate is increased

Plate wheels European Standard Series

Z	d _e	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	17.75	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	92.7	90.76	10	
58	94.5	92.35	10	
59	96.1	93.94	10	
60	97.7	95.93	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	
120	193.2	191.01	14	
125	201.1	198.96	14	

03B-1
PLATEWHEELS 5x2.5mm
For chain Acc.to DIN 8187
ISO/R 606



Power Transmission Professional

PLATEWHEELS mm

Tooth radius r ₃	5
Radius width C	0.6
Tooth width B ₁	2.3

CHAIN mm

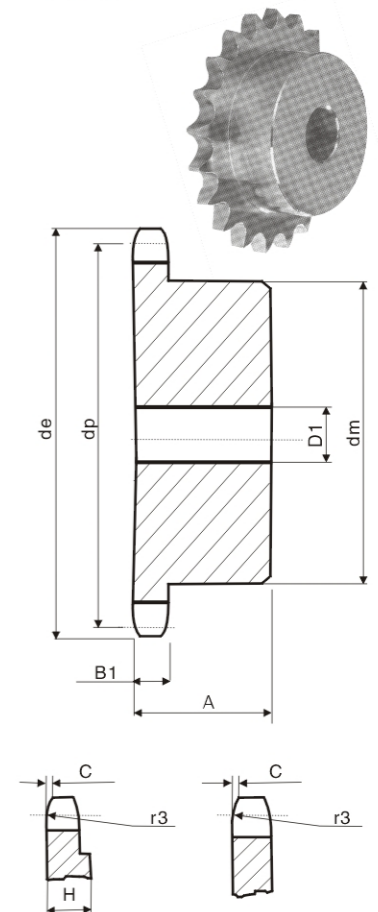
Pitch	5
internal width	2.5
Roller Φ	3.2

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

Sprockets European Standard Series

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

04B-1
SPROCKETS 6x2.8mm
For chain Acc.to DIN 8187
ISO/R 606



Power Transmission Professional

SPROCKETS mm

Tooth radius r ₃	6
Radius width C	0.7
Tooth width B ₁	2.6

CHAIN mm

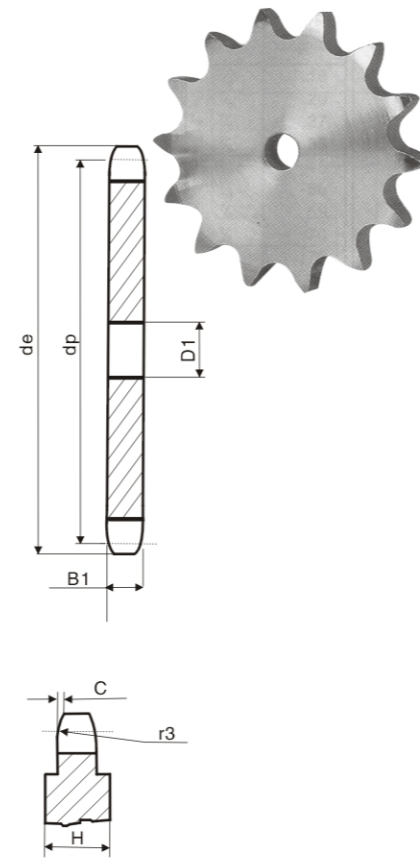
Pitch	6
internal width	2.8
Roller Φ	4

H=4mm—Form Z=66 the width of the plate is increased

Plate wheels European Standard Series

Z	d _e	d _p	S	
			D ₁	
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	23.18	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	110.28	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	

04B-1
PLATEWHEELS 6x2.8mm
For chain Acc.to DIN 8187
ISO/R 606



Power Transmission Professional

PLATEWHEELS mm

Tooth radius r ₃	6
Radius width C	0.7
Tooth width B ₁	2.6

CHAIN mm

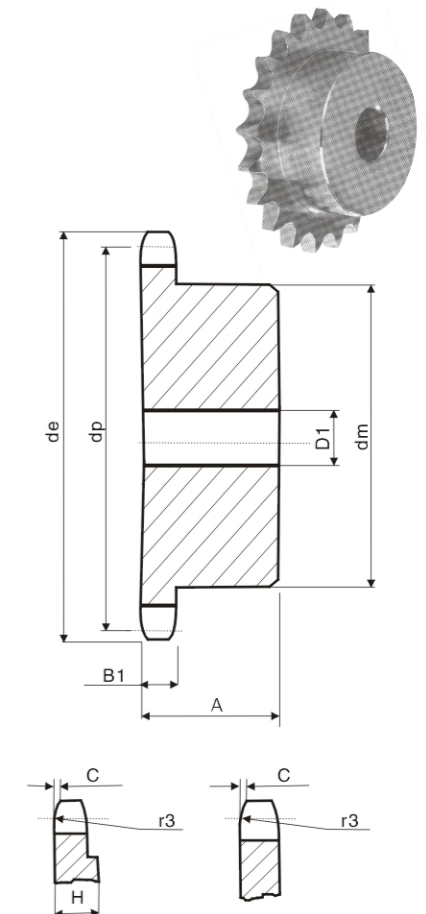
Pitch	6
internal width	2.8
Roller Φ	4

H=4mm-Form Z=51 the width of the plate is increased

Sprockets European Standard Series

Z	d _e	d _p	SIMPLEX		
			D _m	D ₁	A
8	19.4	16.58	10	6	12
9	21.4	18.56	11.5	6	12
10	23.3	20.55	13	6	12
11	25.3	22.54	15	8	13
12	27.3	24.53	17	8	13
13	29.3	26.53	17	8	13
14	31.3	28.53	17	8	13
15	33.3	30.53	20	8	13
16	35.3	32.55	22	8	14
17	37.3	34.55	22	8	14
18	39.4	36.56	25	8	14
19	41.4	38.58	25	8	14
20	43.4	40.58	25	8	14
21	45.4	42.60	30	8	14
22	47.4	44.62	30	8	14
23	49.4	46.63	30	8	14
24	51.4	48.64	30	8	14
25	53.5	50.66	30	8	14
26	55.5	52.67	30	8	14
27	57.5	54.69	30	8	16
28	59.5	56.71	30	8	16
29	61.5	58.73	30	8	16
30	63.6	60.75	30	8	16
31	65.6	62.76	30	8	16
32	67.6	64.78	30	8	16
33	69.6	66.80	30	8	16
34	71.6	68.82	30	8	16
35	73.6	70.84	30	8	16
36	75.6	72.85	30	8	16
37	77.7	74.87	30	8	16
38	79.7	76.89	30	8	16
39	81.7	78.91	30	8	16
40	83.7	80.93	30	8	16
41	85.7	82.95	40	10	18
42	87.8	84.97	40	10	18
43	89.8	86.98	40	10	18
44	91.8	89.01	40	10	18
45	93.8	91.03	40	10	18
46	95.8	93.05	40	10	18
47	97.9	95.07	40	10	18
48	99.9	97.09	40	10	18
49	101.9	99.10	40	10	18
50	103.9	101.13	40	10	18
51	105.9	103.14	40	10	18
52	108.0	105.16	40	10	18
53	110.0	107.18	40	10	18
54	112.0	109.18	40	10	18
55	114.0	111.23	40	10	18
56	116.0	113.25	40	10	18
57	118.1	115.27	40	10	18
58	120.1	117.29	50	10	20
59	122.0	119.31	50	10	20
60	124.1	121.32	50	10	20
62	128.2	125.37	50	10	20
64	132.2	129.41	50	10	20
65	134.2	131.43	50	10	20
66	136.2	133.45	50	10	20
68	140.3	137.49	50	10	20
70	144.3	141.53	50	10	20
72	148.4	145.58	50	10	20
75	154.4	151.63	50	10	20
76	156.5	153.66	50	10	20
78	160.5	157.70	70	10	30
80	164.5	161.74	70	10	30
85	174.6	171.85	70	10	30
90	184.7	181.95	70	10	30
95	194.8	192.05	70	10	30
100	204.9	202.15	70	10	30
110	225.1	222.37	70	10	30
114	233.2	230.45	70	10	30
120	245.4	242.58	70	10	30
125	255.5	252.68	70	10	30

ASA25 1/4"x1/8"
SPROCKETS 1/4"X1/8"
For chain Acc.to DIN 8187
ISO/R 606



Power Transmission Professional

SPROCKETS mm

Tooth radius r ₃	6.4
Radius width C	0.7
Tooth width B ₁	2.9

CHAIN mm

Pitch	6.35
internal width	3.18
Roller Φ	3.3

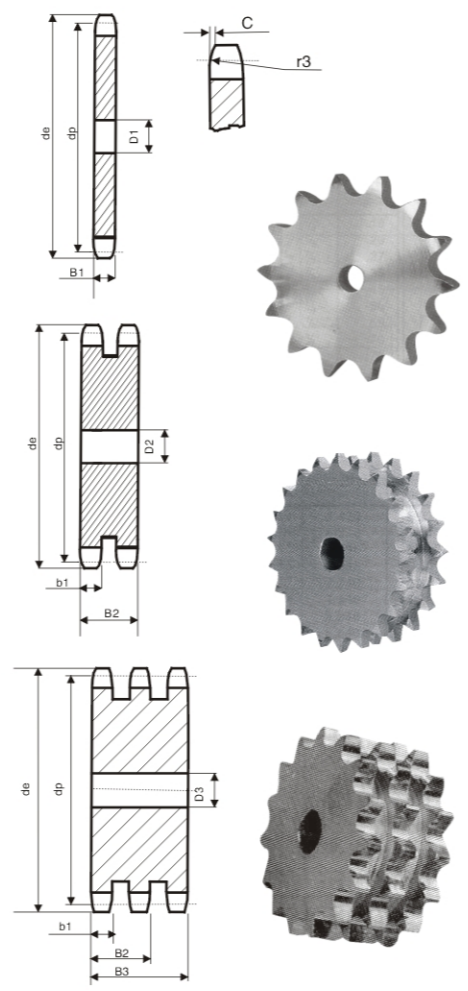
H=4mm-Form Z=62 the width of the plate is increased

Plate wheels European Standard Series

06B-1-2-3 Stock Bore

Z	d _e	d _p	S		
			D ₁	D ₂	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

PLATEWHEELS 3/8"X7/32"
For chain Acc.to DIN 8187
ISO/R 606



Power Transmission Professional

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

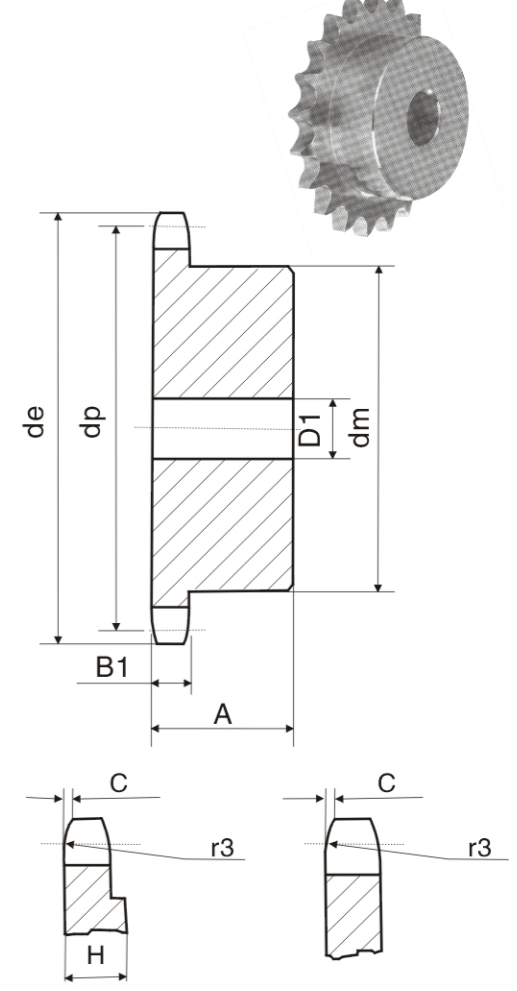
H=7mm-Form Z=100 the width of the plate is increased

Sprockets European Standard Series

081B-1 Stock Bore

Z	d _e	d _p	SIMPLEX		
			d _m	D ₁	A
8	37.2	33.18	21	8	14
9	41.5	37.13	25	8	14
10	46.2	41.10	28	8	14
11	49.6	45.07	31	8	16
12	53.9	49.07	35	8	16
13	58.4	53.06	39	8	16
14	62.8	57.07	43	8	16
15	66.8	61.09	47	8	16
16	70.9	65.10	50	10	18
17	74.9	69.11	50	10	18
18	78.9	73.14	50	10	18
19	82.9	77.16	50	10	18
20	86.9	81.19	50	10	18
21	91.0	85.22	60	12	20
22	95.0	89.24	60	12	20
23	99.0	93.27	60	12	20
24	103.0	97.29	60	12	20
25	107.1	101.33	60	12	20
26	111.2	105.36	70	16	20
27	115.4	109.40	70	16	20
28	119.4	113.42	70	16	20
29	123.4	117.46	70	16	20
30	127.5	121.50	70	16	20
31	131.5	125.54	70	16	20
32	135.5	129.56	70	16	20
33	139.6	133.60	70	16	20
34	143.6	137.64	70	16	20
35	147.6	141.68	70	16	20
36	151.7	145.72	70	16	25
37	155.7	149.76	70	16	25
38	159.8	153.80	70	16	25
39	163.8	157.83	70	16	25
40	167.8	161.87	70	16	25
41	171.4	165.91	78	16	32
42	175.4	169.95	78	16	32
43	179.5	173.99	78	16	32
44	183.5	178.03	78	16	32
45	187.5	182.07	78	16	32
46	191.6	186.10	78	16	32
47	195.6	190.14	78	16	32
48	199.7	194.18	78	16	32
49	203.7	198.22	*78	16	32
50	207.8	202.26	*78	16	32
51	211.8	206.30	*78	16	32
52	215.9	210.34	*78	16	32
53	219.9	214.37	*78	16	32
54	224.0	218.43	*78	16	32
55	228.0	222.46	*78	16	32
56	232.1	226.50	*78	16	32
57	236.1	230.54	*78	16	32
58	240.2	234.58	*78	16	32
59	244.2	238.62	*78	16	32
60	248.2	242.66	*78	16	32
62	256.7	250.75	*78	16	32
64	264.8	258.82	*78	16	32
65	268.8	262.86	*78	16	32
66	272.9	266.90	*78	16	32
68	280.9	274.99	*78	16	32
70	289.0	283.07	*78	16	32
72	297.1	291.16	*78	16	32
76	313.3	307.33	*78	16	32
78	321.4	315.40	*78	16	32
80	329.4	323.48	*78	16	32
85	349.7	343.70	*80	16	32
90	369.9	363.90	*80	16	32
95	390.1	384.10	*80	16	32
100	410.3	404.31	*80	16	32
110	450.7	444.74	*80	16	32
114	466.9	460.90	*80	16	32
120	491.2	485.16	*80	16	32
125	511.4	505.37	*80	16	32

SPROCKETS 1/2"X1/8"
For chain Acc.to DIN 8187
ISO/R 606



Power Transmission Professional

SPROCKETS	mm
Tooth radius r ₃	13
Radius width C	1.0
Tooth width B ₁	3

CHAIN	mm
Pitch	12.7
internal width	3.3
Roller Φ	7.75

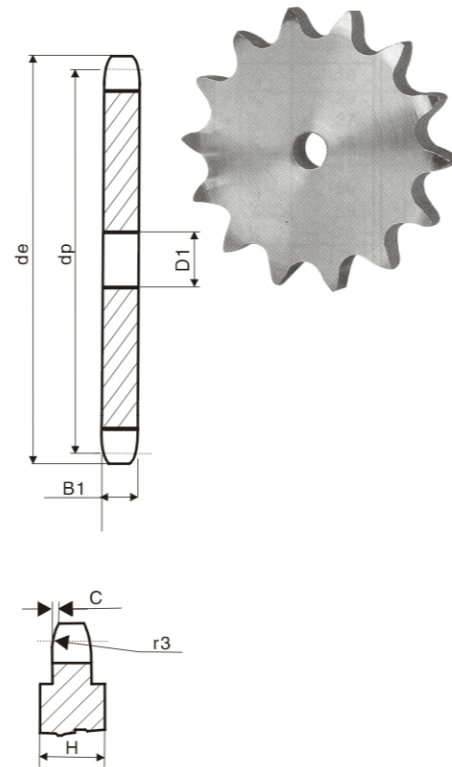
Material:C45
*Weld-on hub
H=5mm-Form Z=31 the width of the plate is increased

Plate wheels European Standard Series

Stock Bore

081B-1

PLATEWHEELS 1/2"X1/8"
For chain Acc.to DIN 8187
ISO/R 606



Power Transmission Professional

PLATEWHEELS mm

Tooth radius r ₃	13
Radius width C	1.0
Tooth width B ₁	3

CHAIN mm

Pitch	12.7
internal width	3.3
Roller Φ	7.75

H=4mm-Form Z=30 the width of the plate is increased

H=6mm-Form Z=90 the width of the plate is increased

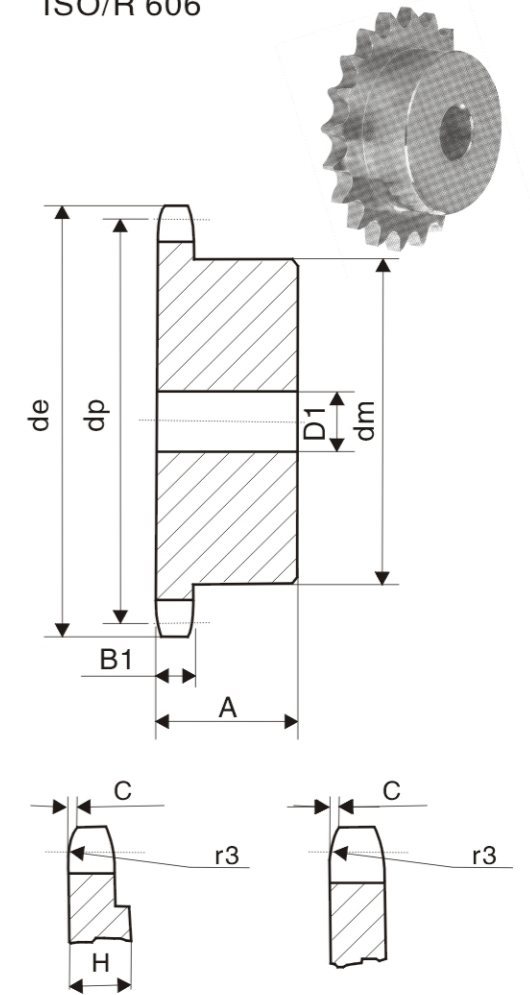
Z	d _e	d _p	S
			D ₁
8	37.2	33.18	8
9	41.5	37.13	8
10	46.2	41.10	8
11	49.6	45.07	8
12	53.9	49.07	8
13	58.4	53.06	8
14	62.8	57.07	8
15	66.8	61.09	8
16	70.9	65.10	8
17	74.9	69.11	8
18	78.9	73.14	8
19	82.9	77.16	8
20	86.9	81.19	8
21	91.0	85.22	8
22	95.0	89.24	10
23	99.0	93.27	10
24	103.0	97.29	10
25	107.1	101.33	10
26	111.2	105.36	12
27	115.4	109.40	12
28	119.4	113.42	12
29	123.4	117.46	12
30	127.5	121.50	12
31	131.5	125.54	12
32	135.3	129.56	12
33	139.6	133.60	12
34	143.6	137.64	12
35	147.6	141.68	12
36	151.7	145.72	16
37	155.7	149.76	16
38	159.8	153.80	16
39	163.8	157.83	16
40	167.8	161.87	16
41	171.4	165.91	16
42	175.4	169.95	16
43	179.5	173.99	16
44	183.5	178.03	16
45	187.5	182.07	16
46	191.6	186.10	20
47	195.6	190.14	20
48	199.7	194.18	20
49	203.7	198.22	20
50	207.8	202.26	20
51	211.8	206.30	20
52	215.9	210.34	20
53	219.9	214.37	20
54	224.0	218.43	20
55	228.0	222.46	20
56	232.1	226.50	20
57	236.1	230.54	20
58	240.2	234.58	20
59	244.2	238.62	20
60	248.2	242.66	20
62	256.7	250.75	20
64	264.8	258.82	20
65	268.8	262.86	20
66	272.9	266.90	25
68	280.9	274.99	25
70	289.0	283.07	25
72	297.1	291.16	25
76	313.3	307.33	25
78	321.4	315.40	25
80	329.4	323.48	25
85	349.7	343.70	25
90	369.9	363.90	25
95	390.1	384.10	25
100	410.3	404.31	25
110	450.7	444.74	25
114	466.9	460.90	25
120	491.2	485.16	25
125	511.4	505.37	25

Sprockets European Standard Series

Stock Bore

083B/084B-1

SPROCKETS 1/2"X3/16"
For chain Acc.to DIN 8187
ISO/R 606



Power Transmission Professional

SPROCKETS mm

Tooth radius r ₃	13
Radius width C	1.3
Tooth width B ₁	4.5

CHAIN mm

Pitch	12.7
internal width	4.88
Roller Φ	7.75

Material:C45
*Weld-on hub

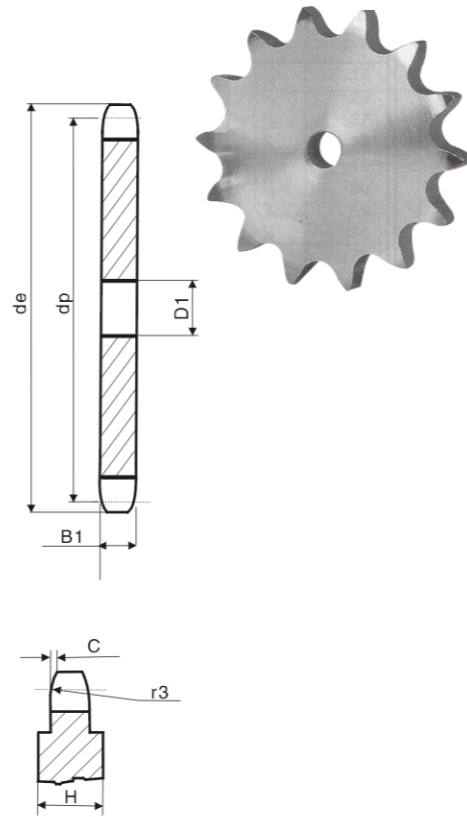
Z	d _e	d _p	SIMPLEX		
			d _m	D ₁	A
8	38.5	33.18	21	8	14
9	41.5	37.13	25	8	14
10	46.2	41.10	28	8	14
11	49.6	45.07	31	8	16
12	53.9	49.07	35	8	16
13	58.4	53.06	39	8	16
14	62.8	57.07	43	8	16
15	66.8	61.09	47	8	16
16	70.9	65.10	50	10	18
17	74.9	69.11	50	10	18
18	78.9	73.14	50	10	18
19	82.9	77.16	50	10	18
20	86.9	81.19	50	10	18
21	91.0	85.22	60	12	20
22	95.0	89.24	60	12	20
23	99.0	93.27	60	12	20
24	103.0	97.29	60	12	20
25	107.1	101.33	60	12	20
26	111.2	105.36	70	16	20
27	115.4	109.40	70	16	20
28	119.4	113.42	70	16	20
29	123.4	117.46	70	16	20
30	127.5	121.50	70	16	20
31	131.5	125.54	70	16	20
32	135.5	129.56	70	16	20
33	139.6	133.60	70	16	20
34	143.6	137.64	70	16	20
35	147.6	141.68	70	16	20
36	151.7	145.72	70	16	25
37	155.7	149.76	70	16	25
38	159.8	153.80	70	16	25
39	163.8	157.83	70	16	25
40	167.8	161.87	70	16	25
41	171.4	165.91	78	16	32
42	175.4	169.95	78	16	32
43	179.5	173.99	78	16	32
44	183.5	178.03	78	16	32
45	187.5	182.07	78	16	32
46	191.6	186.10	78	16	32
47	195.6	190.14	78	16	32
48	199.7	194.18	78	16	32
49	203.7	198.22	*78	16	32
50	207.8	202.26	*78	16	32
51	211.8	206.30	*78	16	32
52	215.9	210.34	*78	16	32
53	219.9	214.37	*78	16	32
54	224.0	218.43	*78	16	32
55	228.0	222.46	*78	16	32
56	232.1	226.50	*78	16	32
57	236.1	230.54	*78	16	32
58	240.2	234.58	*78	16	32
59	244.2	238.62	*78	16	32
60	248.2	242.66	*78	16	32
62	256.7	250.75	*78	16	32
64	264.8	258.82	*78	16	32
65	268.8	262.86	*78	16	32
66	272.9	266.90	*78	16	32
68	280.9	274.99	*78	16	32
70	289.0	283.07	*78	16	32
72	297.1	291.16	*78	16	32
76	313.3	307.33	*78	16	32
78	321.4	315.40	*78	16	32
80	329.4	323.48	*78	16	32
85	349.7	343.70	*80	16	32
90	369.9	363.90	*80	16	32
95	390.1	384.10	*80	16	32
100	410.3	404.31	*80	16	32
110	450.7	444.74	*80	16	32
114	466.9	460.90	*80	16	32
120	491.2	485.16	*80	16	32
125	511.4	505.37	*80	16	32

Plate wheels European Standard Series

Stock Bore

Z	d _e	d _p	S
			D ₁
8	38.5	33.18	8
9	41.5	37.13	8
10	46.2	41.10	8
11	49.6	45.07	8
12	53.9	49.07	8
13	58.4	53.06	8
14	62.8	57.07	8
15	66.8	61.09	8
16	70.9	65.10	8
17	74.9	69.11	8
18	78.9	73.14	8
19	82.9	77.16	8
20	86.9	81.19	8
21	91.0	85.22	8
22	95.0	89.24	10
23	99.0	93.27	10
24	103.0	97.29	10
25	107.1	101.33	10
26	111.2	105.36	12
27	115.4	109.40	12
28	119.4	113.42	12
29	123.4	117.46	12
30	127.5	121.50	12
31	131.5	125.54	12
32	135.5	129.56	12
33	139.6	133.60	12
34	143.6	137.64	12
35	147.6	141.68	12
36	151.7	145.72	16
37	155.7	149.76	16
38	159.8	153.80	16
39	163.8	157.83	16
40	167.8	161.87	16
41	171.4	165.91	16
42	175.4	169.95	16
43	179.5	173.99	16
44	183.5	178.03	16
45	187.5	182.07	16
46	191.6	186.10	20
47	195.6	190.14	20
48	199.7	194.18	20
49	203.7	198.22	20
50	207.8	202.26	20
51	211.8	206.30	20
52	215.9	210.34	20
53	219.9	214.37	20
54	224.0	218.43	20
55	228.0	222.46	20
56	232.1	226.50	20
57	236.1	230.54	20
58	240.2	234.58	20
59	244.2	238.62	20
60	248.2	242.66	20
62	256.7	250.75	20
64	264.8	258.82	20
65	268.8	262.86	20
66	272.9	266.90	25
68	280.9	274.99	25
70	289.0	283.07	25
72	297.1	291.16	25
76	313.3	307.33	25
78	321.4	315.40	25
80	329.4	323.48	25
85	349.7	343.70	25
90	369.9	363.90	25
95	390.1	384.10	25
100	410.3	404.31	25
110	450.7	444.74	25
114	466.9	460.90	25
120	491.2	485.16	25
125	511.4	505.37	25

083B/084B-1
PLATEWHEELS 1/2"X3/16"
For chain Acc.to DIN 8187
ISO/R 606



Power Transmission Professional

PLATEWHEELS mm

Tooth radius r₃ 13
Radius width C 1.3
Tooth width B₁ 4.5

CHAIN mm

Pitch 12.7
internal width 4.88
Roller Φ 7.75

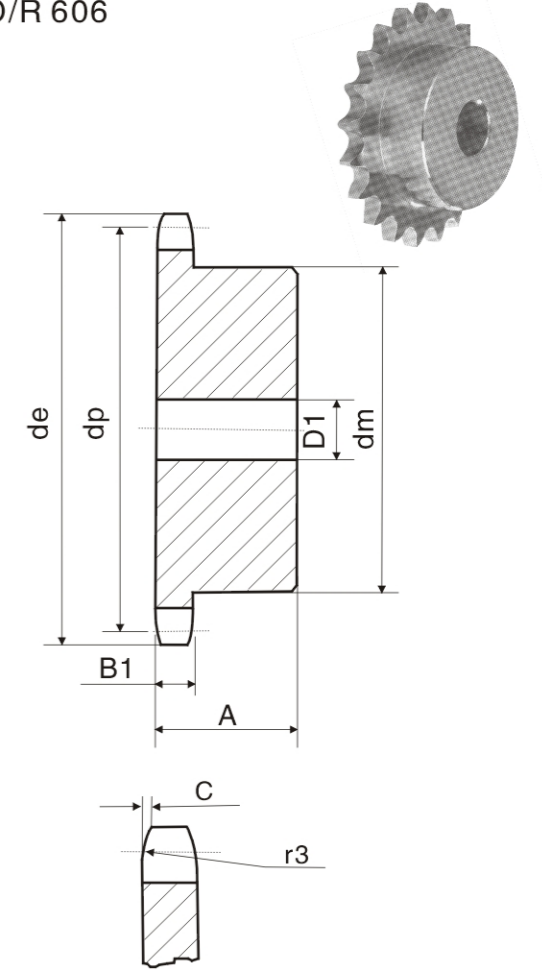
H=6mm-Form Z=90 the width of the plate is increased

Sprockets European Standard Series

Stock Bore

Z	d _e	d _p	SIMPLEX		
			d _m	D ₁	A
8	38.5	33.18	20	10	25
9	41.5	37.13	24	10	25
10	46.2	41.10	26	10	25
11	49.6	45.07	29	10	25
12	53.9	49.07	33	10	28
13	58.4	53.06	37	10	28
14	62.8	57.07	41	10	28
15	66.8	61.09	45	10	28
16	70.9	65.10	50	12	28
17	74.9	69.11	52	12	28
18	78.9	73.14	56	12	28
19	82.9	77.16	60	12	28
20	86.9	81.19	64	12	28
21	91.0	85.22	68	14	28
22	95.0	89.24	70	14	28
23	99.0	93.27	70	14	28
24	103.0	97.29	70	14	28
25	107.1	101.33	70	14	28
26	111.2	105.36	70	16	30
27	115.4	109.40	70	16	30
28	119.4	113.42	70	16	30
29	123.4	117.46	80	16	30
30	127.5	121.50	80	16	30
31	131.5	125.54	90	16	30
32	135.5	129.56	90	16	30
33	139.6	133.60	90	16	30
34	143.6	137.64	90	16	30
35	147.6	141.68	90	16	30
36	151.7	145.72	90	16	35
37	155.7	149.76	90	16	35
38	159.8	153.80	90	16	35
39	163.8	157.83	90	16	35
40	167.8	161.87	90	16	35
41	171.4	165.91	90	16	40
42	175.4	169.95	90	16	40
43	179.5	173.99	90	16	40
44	183.5	178.03	90	16	40
45	187.5	182.07	90	16	40
46	191.6	186.10	90	16	40
47	195.6	190.14	90	16	40
48	199.7	194.18	90	16	40
49	203.7	198.22	*90	16	40
50	207.8	202.26	*90	16	40
51	211.8	206.30	*90	16	40
52	215.9	210.34	*90	16	40
53	219.9	214.37	*90	16	40
54	224.0	218.43	*90	16	40
55	228.0	222.46	*90	16	40
56	232.1	226.50	*90	16	40
57	236.1	230.54	*90	16	40
58	240.2	234.58	*90	16	40
59	244.2	238.62	*90	16	40
60	248.2	242.66	*90	16	40
62	256.7	250.75	*90	16	40
64	264.8	258.82	*90	16	40
65	268.8	262.86	*90	16	40
66	272.9	266.90	*90	16	40
68	280.9	274.99	*90	16	40
70	289.0	283.07	*90	16	40
72	297.1	291.16	*90	16	40
76	313.3	307.33	*90	16	40
78	321.4	315.40	*90	16	40
80	329.4	323.48	*90	16	40
85	349.7	343.70	*90	16	40
90	369.9	363.90	*90	16	40
95	390.1	384.10	*90	16	40
100	410.3	404.31	*90	16	40
110	450.7	444.74	*90	16	40
114	466.9	460.90	*90	16	40
120	491.2	485.16	*90	16	40
125	511.4	505.37	*90	16	40

085B-1
SPROCKETS 1/2"X1/4" Roller7.75
For chain Acc.to DIN 8187
ISO/R 606



Power Transmission Professional

SPROCKETS mm

Tooth radius r₃ 13
Radius width C 1.3
Tooth width B₁ 5.9

CHAIN mm

Pitch 12.7
internal width 6.4
Roller Φ 7.75

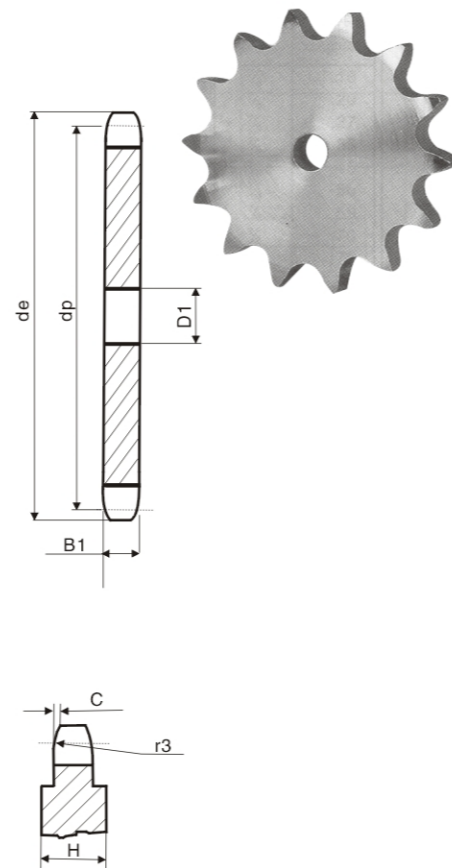
Material:C45
*Weld-on hub

Plate wheels European Standard Series

Stock Bore

085B-1

PLATEWHEELS 1/2"X1/4" Roller7.75
For chain Acc.to DIN 8187
ISO/R 606



Power Transmission Professional

PLATEWHEELS	mm
Tooth radius r ₃	13
Radius width C	1.3
Tooth width B ₁	5.9
CHAIN	mm
Pitch	12.7
internal width	6.4
Roller Φ	7.75

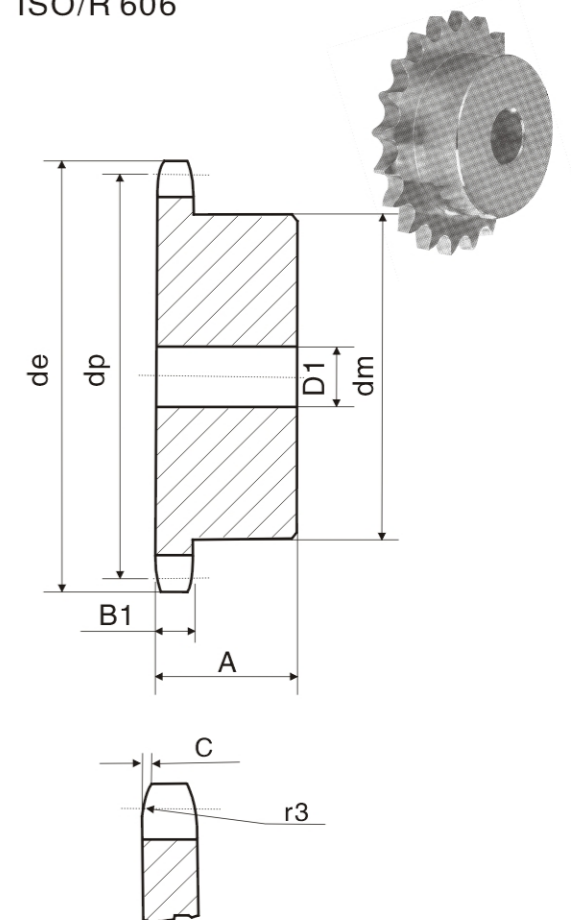
Z	d _e	d _p	S
			D ₁
8	38.5	33.18	8
9	41.5	37.13	8
10	46.2	41.10	8
11	49.6	45.07	8
12	53.9	49.07	8
13	58.4	53.06	8
14	62.8	57.07	8
15	66.8	61.09	8
16	70.9	65.10	8
17	74.9	69.11	8
18	78.9	73.14	8
19	82.9	77.16	8
20	86.9	81.19	8
21	91.0	85.22	10
22	95.0	89.24	10
23	99.0	93.27	10
24	103.0	97.29	10
25	107.1	101.33	10
26	111.2	105.36	12
27	115.4	109.40	12
28	119.4	113.42	12
29	123.4	117.46	12
30	127.5	121.50	12
31	131.5	125.54	12
32	135.5	129.56	12
33	139.6	133.60	12
34	143.6	137.64	12
35	147.6	141.68	12
36	151.7	145.72	16
37	155.7	149.76	16
38	159.8	153.80	16
39	163.8	157.83	16
40	167.8	161.87	16
41	171.4	165.91	16
42	175.4	169.95	16
43	179.5	173.99	16
44	183.5	178.03	16
45	187.5	182.07	16
46	191.6	186.10	20
47	195.6	190.14	20
48	199.7	194.18	20
49	203.7	198.22	20
50	207.8	202.26	20
51	211.8	206.30	20
52	215.9	210.34	20
53	219.9	214.37	20
54	224.0	218.43	20
55	228.0	222.46	20
56	232.1	226.50	20
57	236.1	230.54	20
58	240.2	234.58	20
59	244.2	238.62	20
60	248.2	242.66	20
62	256.7	250.75	20
64	264.8	258.82	20
65	268.8	262.86	20
66	272.9	266.90	25
68	280.9	274.99	25
70	289.0	283.07	25
72	297.1	291.16	25
76	313.3	307.33	25
78	321.4	315.40	25
80	329.4	323.48	25
85	349.7	343.70	25
90	369.9	363.90	25
95	390.1	384.10	25
100	410.3	404.31	25
110	450.7	444.74	25
114	466.9	460.90	25
120	491.2	485.16	25
125	511.4	505.37	25

Sprockets European Standard Series

Stock Bore

085B-1

SPROCKETS 1/2"X1/4" Roller8.51
For chain Acc.to DIN 8187
ISO/R 606



Power Transmission Professional

SPROCKETS	mm
Tooth radius r ₃	13
Radius width C	1.3
Tooth width B ₁	5.9
CHAIN	mm
Pitch	12.7
internal width	6.4
Roller Φ	8.51

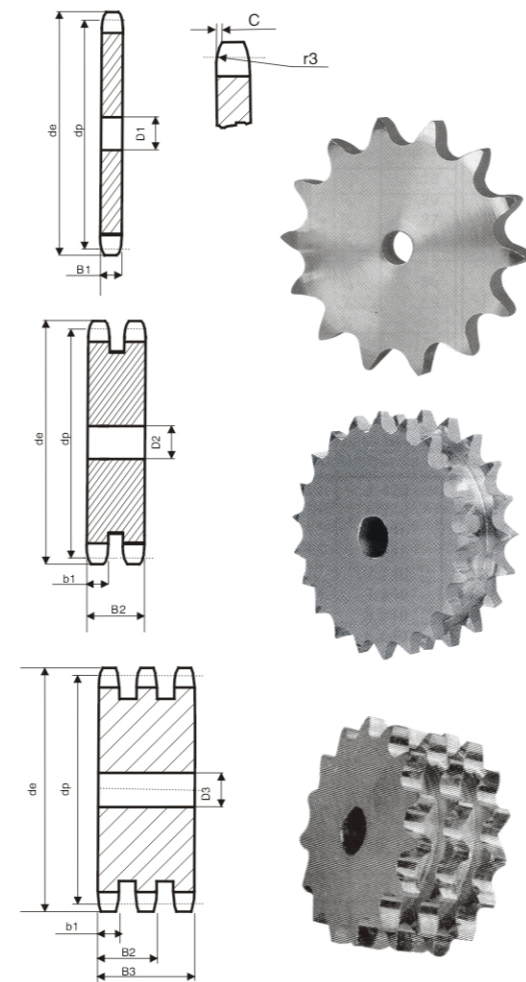
Z	d _e	d _p	SIMPLEX		
			d _m	D ₁	A
8	37.2	33.18	20	10	25
9	41.0	37.13	24	10	25
10	45.2	41.10	26	10	25
11	48.7	45.07	29	10	25
12	53.0	49.07	33	10	28
13	57.4	53.06	37	10	28
14	61.8	57.07	41	10	28
15	65.5	61.09	45	10	28
16	69.5	65.10	50	12	28
17	73.6	69.11	52	12	28
18	77.8	73.14	56	12	28
19	81.7	77.16	60	12	28
20	85.8	81.19	64	12	28
21	89.7	85.22	68	14	28
22	93.8	89.24	70	14	28
23	98.2	93.27	70	14	28
24	101.8	97.29	70	14	28
25	105.8	101.33	70	14	28
26	110.0	105.36	70	16	30
27	114.0	109.40	70	16	30
28	118.0	113.42	70	16	30
29	122.0	117.46	80	16	30
30	126.1	121.50	80	16	30
31	130.2	125.54	90	16	30
32	134.3	129.56	90	16	30
33	138.4	133.60	90	16	30
34	142.6	137.64	90	16	30
35	146.7	141.68	90	16	30
36	151.0	145.72	90	16	35
37	154.6	149.76	90	16	35
38	158.6	153.80	90	16	35
39	162.7	157.83	90	16	35
40	166.8	161.87	90	16	35
41	171.4	165.91	90	16	40
42	175.4	169.95	90	16	40
43	179.7	173.99	90	16	40
44	183.8	178.03	90	16	40
45	188.0	182.07	90	16	40
46	192.1	186.10	90	16	40
47	196.2	190.14	90	16	40
48	200.3	194.18	*90	16	40
49	204.3	198.22	*90	16	40
50	208.3	202.26	*90	16	40
51	212.1	206.30	*90	16	40
52	216.1	210.34	*90	16	40
53	220.2	214.37	*90	16	40
54	224.1	218.43	*90	16	40
55	228.1	222.46	*90	16	40
56	232.2	226.50	*90	16	40
57	236.4	230.54	*90	16	40
58	240.5	234.58	*90	16	40
59	244.5	238.62	*90	16	40
60	248.6	242.66	*90	16	40
62	256.9	250.75	*90	16	40
64	265.1	258.82	*90	16	40
65	269.0	262.86	*90	16	40
66	273.0	266.90	*90	16	40
68	281.0	274.99	*90	16	40
70	289.0	283.07	*90	16	40
72	297.2	291.16	*90	16	40
76	313.3	307.33	*90	16	40
78	321.4	315.40	*90	16	40
80	329.4	323.48	*90	16	40
85	349.0	343.70	*90	16	40
90	369.9	363.90	*90	16	40
95	390.1	384.10	*90	16	40
100	410.3	404.31	*90	16	40
110	450.7	444.74	*90	16	40
114	466.9	460.90	*90	16	40
120	491.2	485.16	*90	16	40
125	511.3	505.37	*90	16	40

Plate wheels European Standard Series

28B-1-2-3

PLATEWHEELS 1"3/4x1"1/4
For chain Acc.to DIN 8187
ISO/R 606

Stock Bore



Power Transmission Professional

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

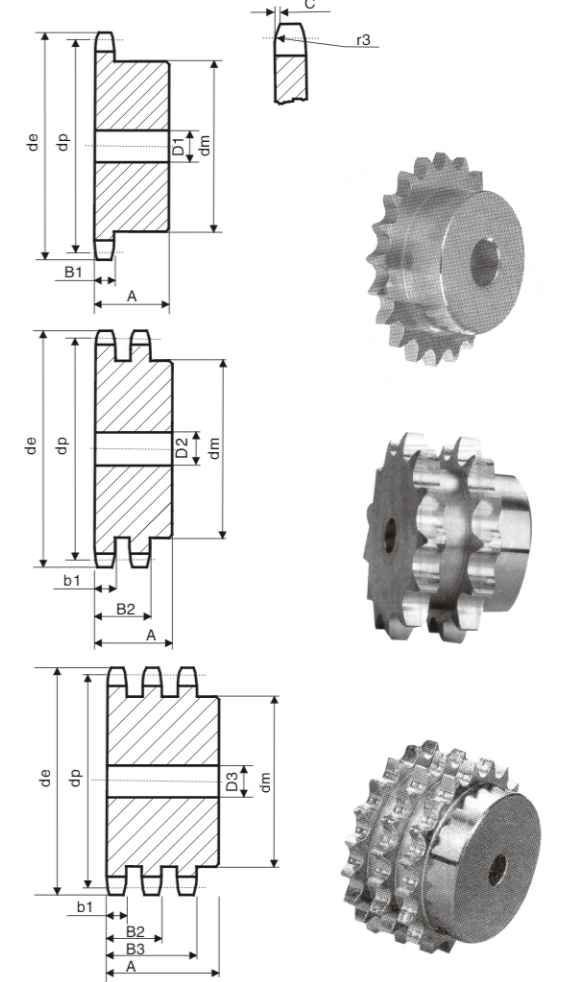
Z	d _e	d _p	S	D	T
			D ₁	D ₂	D ₃
8	132.0	116.15	20	25	25
9	148.4	129.96	20	25	25
10	162.3	143.85	20	25	25
11	176.3	157.77	25	25	30
12	189.5	171.74	25	25	30
13	204.2	185.75	25	25	30
14	218.2	199.76	25	25	30
15	232.3	213.79	25	25	30
16	246.3	227.84	30	30	30
17	260.0	241.91	30	30	30
18	274.0	255.98	30	30	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

Sprockets European Standard Series

32B-1-2-3

SPROCKETS 2"X1"1/4
For chain Acc.to DIN 8187
ISO/R 606

Stock Bore



Power Transmission Professional

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:C45
*Weld-on hub

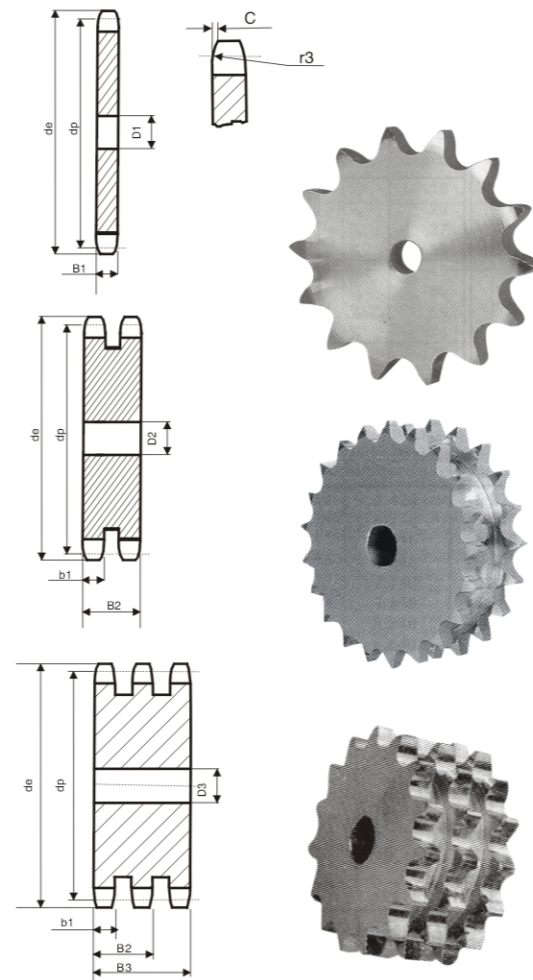
Z	d _e	d _p	SIMPLEX			DUPLEX			TRIPLEX		
			d _m	D ₁	A	d _m	D ₂	A	d _m	D ₃	A
8	153.2	132.69	82	25	80	82	30	120	82	30	180
9	169.0	148.54	88	25	80	88	30	120	88	30	180
10	185.0	164.44	104	25	80	104	30	120	104	30	180
11	200.8	180.34	120	30	80	120	30	120	120	30	180
12	216.8	196.29	*133	30	80	*133	30	120	*133	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	*160	30	120	*160	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	*220	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

Plate wheels European Standard Series

32B-1-2-3

Stock Bore

PLATEWHEELS 2"x1"1/4
For chain Acc.to DIN 8187
ISO/R 606



Power Transmission Professional

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

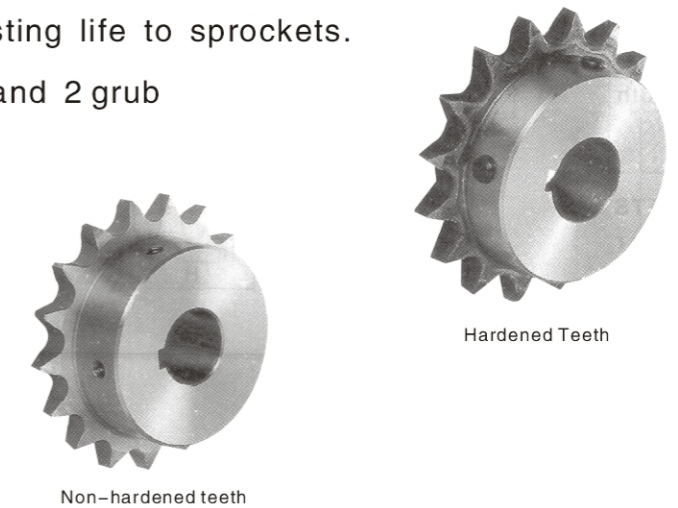
Pitch	50.8
internal width	30.99
Roller Φ	29.21

Z	d _e	d _p	S	D	T
			D ₁	D ₂	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	389.19	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

Finished Bore Sprockets

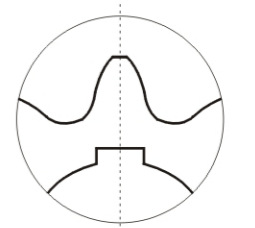
for roller chain din8187-iso/r606

All sprockets can finish with induction hardened teeth. This treatment gives a longer lasting life to sprockets. And with finished bore, keyway and 2 grub screws, this eliminates further modification by customer and can be fitted immediately.

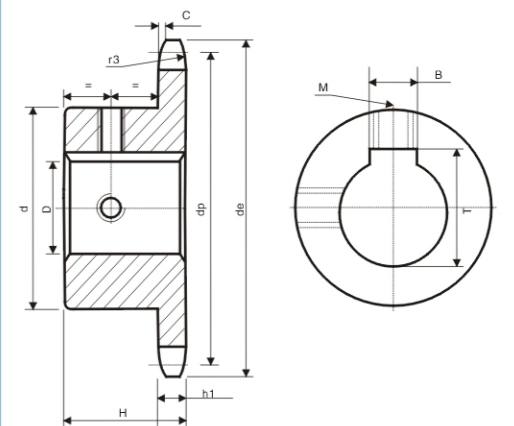


Bore-keyway-screws

D (H7)	B (H9)	T	M
10	4	D+1.8 (+0.1/0)	M3
11	4	D+1.8 (+0.1/0)	M3
12	4	D+1.8 (+0.1/0)	M3
14	5	D+2.3 (+0.1/0)	M4
16	5	D+2.3 (+0.1/0)	M4
18	6	D+2.8 (+0.1/0)	M5
19	6	D+2.8 (+0.1/0)	M5
20	6	D+2.8 (+0.1/0)	M5
22	6	D+2.8 (+0.1/0)	M5
24	8	D+3.3 (+0.2/0)	M6
25	8	D+3.3 (+0.2/0)	M6
28	8	D+3.3 (+0.2/0)	M6
30	8	D+3.3 (+0.2/0)	M6
32	10	D+3.3 (+0.2/0)	M8
35	10	D+3.3 (+0.2/0)	M8
38	10	D+3.3 (+0.2/0)	M8
40	12	D+3.3 (+0.2/0)	M10
42	12	D+3.3 (+0.2/0)	M10
45	14	D+3.8 (+0.2/0)	M12
48	14	D+3.8 (+0.2/0)	M12
50	14	D+3.8 (+0.2/0)	M12
60	18	D+4.4 (+0.2/0)	M12
65	18	D+4.4 (+0.2/0)	M12
70	20	D+4.9 (+0.2/0)	M12



keyway is located on center line of tooth

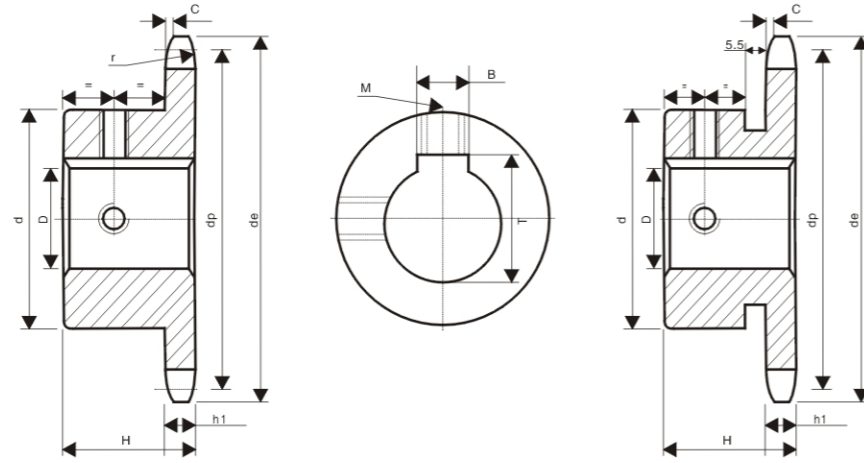


Finished Bore Sprockets European Standard Series

3/8" x 7/32"

06B-1 9.525x5.72mm

- CHAIN:** ISO mm
- Pitch 9.525
 - internal width 5.72
 - Roller Φ 6.35
- SPROCKETS**
- Tooth radius r 10
 - Radius width c 1
 - Tooth width h_1 5.3



Type (*)

Material:C45

Z	d _e	d _p	D	H	d
10	34	30.80	10	22	24
			11		26
			12		29
			14		29
11	37	33.8	10	25	24
			12		26
			14		29*
			16		31*
12	40	36.8	10	25	25
			12		26
			14		29
			16		31*
13	43	39.8	10	25	28
			12		29
			14		31
			16		35*
			18		35*
			20		35*
14	46.3	42.8	12	25	31
			14		35
			16		35
			18		35
			19		35
			20		35
15	49.3	45.81	12	25	34
			14		34
			16		38
			18		38
			19		38
			20		38
			22		42*
			24		42*
16	52.3	48.82	12	28	37
			14		37
			16		37
			18		37
			19		37
			20		37

Z	d _e	d _p	D	H	d
16	52.3	48.82	22	16	37
			24		42
			25		42
			25		42
17	55.3	51.83	12	28	40
			14		40
			16		40
			18		40
			19		40
			20		40
			22		40
			24		40
			25		40
			25		40
18	58.3	54.85	12	28	43
			14		43
			16		43
			18		43
			19		43
			20		43
			22		43
			24		43
19	61.3	57.87	12	28	45
			14		45
			16		45
			18		45
			19		45
			20		45
			22		45
			24		45
20	64.3	60.89	12	28	46
			14		46
			16		46
			18		46
			19		46
			20		46

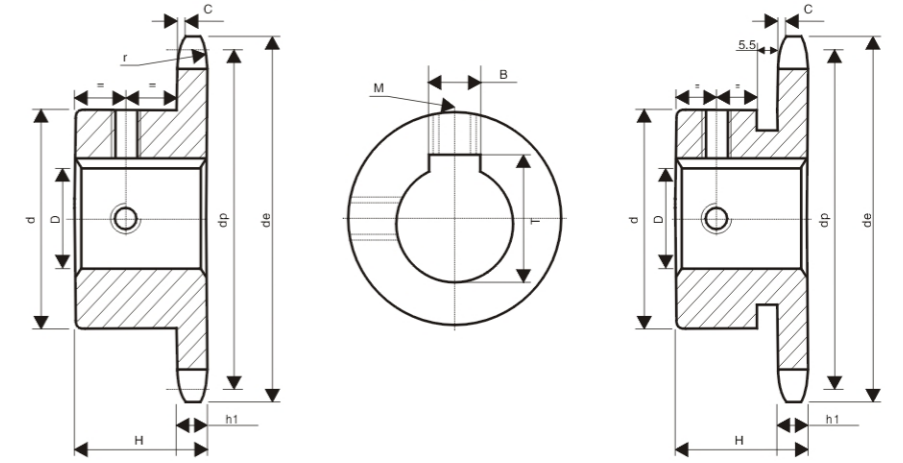
Z	d _e	d _p	D	H	d
20	64.3	60.89	24	28	46
			25		46
			25		46
			25		46
21	68	63.91	16	28	48
			18		48
			19		48
			20		48
			22		48
			24		48
			25		48
			25		48
			25		48
			25		48
22	71	66.93	16	28	50
			18		50
			19		50
			20		50
			22		50
			24		50
			25		50
			25		50
23	73.5	69.95	16	28	52
			18		52
			19		52
			20		52
			22		52
			24		52
24	77	72.97	16	28	54
			18		54
			19		54
			20		54
			22		54
			24		54
			25		54
			25		54
25	80	76	16	28	57
			18		57
			19		57
			20		57
			22		57
			24		57

Finished Bore Sprockets European Standard Series

1/2" x 5/16"

08B-1 12.7x7.75mm

- CHAIN:** ISO mm
- Pitch 12.7
 - internal width 7.75
 - Roller Φ 8.51
- SPROCKETS**
- Tooth radius r 13
 - Radius width c 1.3
 - Tooth width h_1 7.2



Type (*)

Material:C45

Z	d _e	d _p	D	H	d
10	45.2	41.1	12	25	26
			14		29
			16		31
			16		31
11	48.7	45.07	12	25	29
			14		31
			16		34
			18		35
			19		35
			20		35
			22		35
			24		35
			25		35
			25		35
12	53	49.07	12	28	33
			14		33
			16		33
			18		33
			19		33
			20		33
			22		33
			24		33
13	57.4	53.06	12	28	37
			14		37
			16		37
			18		37
			19		37
			20		37
			22		37
			24		37
			25		37
			25		37
14	61.8	57.07	12	28	41
			14		41
			16		41
			18		41
			19		41
			20		41
			22		41
			24		41
			25		41
			25		41
15	65.5	61.09	12	28	45
			14		45
			16		45
			18		45
			19		45
			20		45
			22		45
			24		45
			25		45
			25		45

Z	d _e	d _p	D	H	d
15	65.5	61.09	18	28	45
			19		45
			20		45
			22		45
			24		45
			25		45
			28		45
			30		45
16	69.5	65.1	18	28	50
			19		50
			20		50
			22		50
			24		50
			25		50
			28		50
			30		50
17	73.6	69.11	18	28	52
			19		52
			20		52
			22		52
			24		52
			25		52
			28		52
			30		52
18	77.8	73.14	16	28	56
			18		56
			19		56
			20		56
			22		56
			24		56
			25		56
			28		56
			30		56
			32		56

Z	d _e	d _p	D	H	d
18	77.8	73.14	38	28	56
			38		56
			38		56
			38		56
			38		56
			38		56
			38		56
			38		56
19	81.7	77.16	16	28	60
			18		60
			19		60
			20		60
			22		60
			24		60
			25		60
			28		60
			30		60
			32		60
20	85.8	81.19	16	28	64
			18		64
			19		64
			20		64
			22		64
			24		64
			25		64
			28		64
			30		64
			32		64
21	89.7	85.22	16	28	68
			18		68
			19		68
			20		68
			22		68
			24		68
			25		68
			28		68
			30		68
			32		68

Z	d _e	d _p	D	H	d
22	93.8	89.24	20	28	70
			22		70
			24		70
			25		70
			28		70
			30		70
			32		70
			35		70
23	98.2	93.27	19	28	70
			20		70
			22		70
			24		70
			25		70
			28		70
			30		70
			32		70
24	101.8	97.29	19	28	70
			20		70
			22		70
			24		70
			25		70
			28		70
			30		70
			32		70
25	105.8	101.33	18	28	70
			19		70
			20		70
			22		70
			24		70
			25		70
			28		70
			30		70

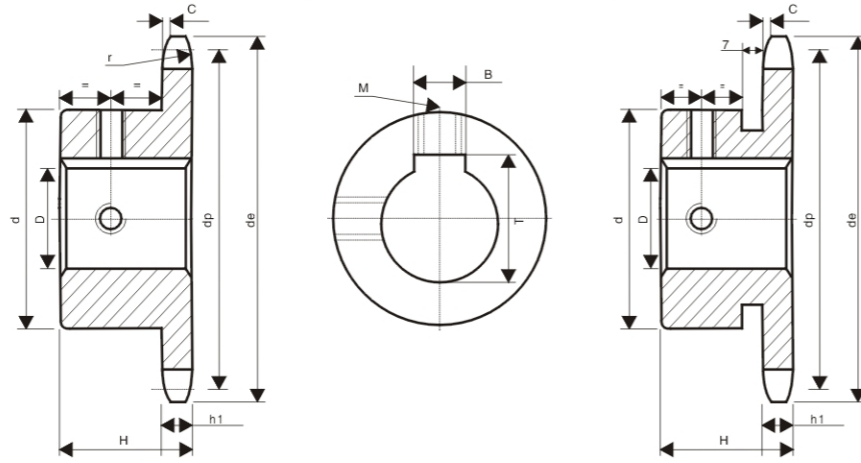
Finished Bore Sprockets European Standard Series

5/8 " x3/8 "

10B-1 15.875x9.65mm

CHAIN: ISO mm
Pitch 15.875
internal width 9.65
Roller Φ 10.16

SPROCKETS
Tooth radius r 16
Radius width c 1.6
Tooth width h_1 9.1



Type (*)

Material: C45

Z	d _e	d _p	D	H	d
10	57.5	51.37	16	25	35
			19		35
			20		42*
			24		42*
			25		42*
11	63	56.34	16	30	37
			18		37
			19		37
			20		42
			24		42
12	68	61.34	16	30	42
			18		42
			19		42
			20		42
			22		42
			24		42
			25		44
			28		47
			30		49
			32		51
13	73	66.32	16	30	47
			18		47
			19		47
			20		49
			22		49
			24		49
			25		51
			28		51
			30		51
			32		51
14	78	71.34	16	30	52
			18		52
			19		52
			20		52
			22		52
			24		52
			25		52
			28		52
			30		52
			32		52
15	83	76.36	16	30	57
			18		57
			19		57
			20		57
			22		57

Z	d _e	d _p	D	H	d
15	83	76.36	20	30	57
			22		57
			24		57
			25		57
			28		57
			30		57
			32		57
			35		57
			38		57
			40		57
16	88	81.37	16	30	60
			18		60
			19		60
			20		60
			22		60
			24		60
			25		60
			28		60
			30		60
			32		60
17	93	86.39	16	30	60
			18		60
			19		60
			20		60
			22		60
			24		60
			25		60
			28		60
			30		60
			32		60
18	98.3	91.42	16	30	70
			18		70
			19		70
			20		70
			22		70
			24		70
			25		70
			28		70
			30		70
			32		70
19	103.3	96.45	16	30	70
			18		70
			19		70
			20		70
			22		70

Z	d _e	d _p	D	H	d
19	103.3	96.45	22	30	70
			24		70
			25		70
			28		70
			30		70
			32		70
			35		70
			38		70
			40		70
			42		70
20	108.4	101.49	16	30	75
			18		75
			19		75
			20		75
			22		75
			24		75
			25		75
			28		75
			30		75
			32		75
21	113.4	106.52	16	30	75
			18		75
			19		75
			20		75
			22		75
			24		75
			25		75
			28		75
			30		75
			32		75
22	118	111.55	16	30	80
			18		80
			19		80
			20		80
			22		80
			24		80
			25		80
			28		80
			30		80
			32		80

Z	d _e	d _p	D	H	d
22	118	111.55	16	30	80
			18		80
			19		80
			20		80
			22		80
			24		80
			25		80
			28		80
			30		80
			32		80
23	123.4	116.58	16	30	80
			18		80
			19		80
			20		80
			22		80
			24		80
			25		80
			28		80
			30		80
			32		80
24	128.3	121.62	16	30	80
			18		80
			19		80
			20		80
			22		80
			24		80
			25		80
			28		80
			30		80
			32		80
25	134	126.66	16	30	80
			18		80
			19		80
			20		80
			22		80
			24		80
			25		80
			28		80
			30		80
			32		80

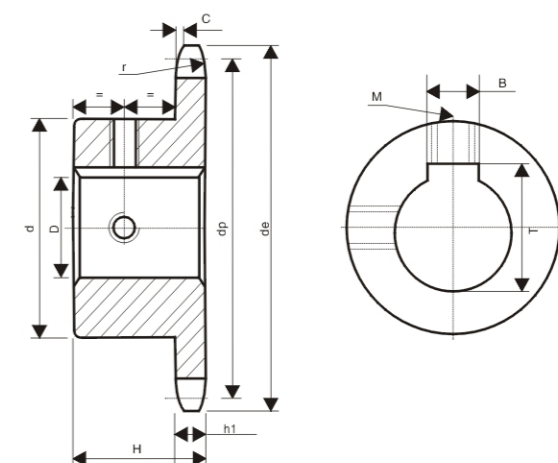
Finished Bore Sprockets European Standard Series

3/4 " x7/16 "

12B-1 19.05x11.68mm

CHAIN: ISO mm
Pitch 19.05
internal width 11.68
Roller Φ 12.07

SPROCKETS
Tooth radius r 19
Radius width c 2
Tooth width h_1 11.1



Material: C45

Z	d _e	d _p	D	H	d
10	69	61.64	19	30	42
			20		42
			24		42
			25		42
			28		42
11	75	67.61	19	35	48
			20		48
			24		48
			25		48
			28		48
12	81.5	73.6	19	35	52
			20		52
			22		52
			24		52
			25		52
			28		52
			30		52
			32		52
			35		52
			38		52
13	87.5	79.59	19	35	58
			20		58
			22		58
			24		58
			25		58
			28		58
			30		58
			32		58
			35		58
			38		58
14	93.6	85.61	19	35	64
			20		64
			22		64
			24		64
			25		64

Z	d _e	d _p	D	H	d
14	93.6	85.61	32	35	64
			35		64
			38		64
			40		64
			42		64
15	99.8	91.63	19	35	70
			20		70
			22		70
			24		70
			25		70
			28		70
			30		70
			32		70
			35		70
			38		70
16	105.5	97.65	19	35	75
			20		75
			22		75
			24		75
			25		75
			28		75
			30		75
			32		75
			35		75
			38		75
17	111.5	103.67	19	35	80
			20		80
			22		80
			24		80
			25		80
			28		80
			30		80
			32		80
			35		80
			38		80
18	118	109.71	19	35	80
			20		80
			22		80
			24		80
			25		80

Z	d _e	d _p	D	H	d
18	118	109.71	40	35	80
			42		80
			45		80
			48		80
			50		80
19	124.2	115.75	19	35	80
			20		80
			22		80
			24		80
			25		80
			28		80
			30		80
			32		80
			35		80
			38		80
20	129.7	121.78	19	35	80
			20		80
			22		80
			24		80
			25		80
			28		80
			30		80
			32		80
			35		80
			38		80
21	136	127.82	19	35	90
			20		90
			22		90
			24		90
			25		90
			28		90
			30		90
			32		90
			35		90
			38		90
22	141.8	133.86	19	40	90
			20		90
			22		90
			24		90
			25		90

Z	d _e	d _p	D	H	d
22	141.8	133.86	38	40	90
			40		90
			42		90
			45		90
			48		90
23	149	139.9	19	40	90
			20		90
			22		90
			24		90
			25		90
			28		90
			30		90
			32		90
			35		90
			38		90
24	153.9	145.94	19	40	90
			20		90
			22		90
			24		90
			25		90
			28		90
			30		90
			32		90
			35		90
			38		90
25	160	152	19	40	90
			20		90
			22		90
			24		90
			25		90

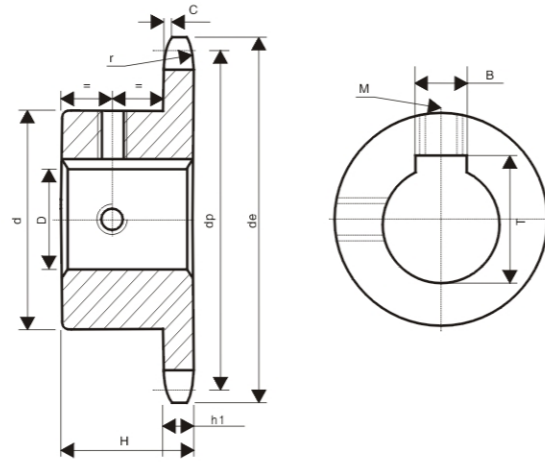
Finished Bore Sprockets European Standard Series

1" x17.02

16B-1 25.4x17.02mm

CHAIN: ISO mm
Pitch 25.4
internal width 17.02
roller Φ 15.88

SPROCKETS
Tooth radius r 26
radius width c 2.5
tooth width h_t 16.2



Material:C45

Z	d _e	d _p	D	H	d
11	99.5	90.14	25	40	61
			28		
			30		
			32		
			35		
			38		
			40		
12	109	98.14	25	40	69
			28		
			30		
			32		
			35		
			38		
			40		
13	117	106.12	25	40	78
			28		
			30		
			32		
			35		
			40		
			42		
14	125	114.15	25	40	84
			28		
			30		
			32		
			35		
			40		
			42		
15	133	122.17	25	40	92
			28		
			30		
			32		
			35		
			40		
			42		

Z	d _e	d _p	D	H	d
15	133	122.17	30	40	92
			32		
			35		
			38		
			40		
			42		
			45		
16	141	130.2	38	45	100
			40		
			42		
			45		
			48		
			50		
			55		
17	149	138.22	38	45	100
			40		
			42		
			45		
			48		
			50		
			55		
18	157	146.28	35	45	100
			38		
			40		
			42		
			45		
			48		
			50		

Z	d _e	d _p	D	H	d
18	157	146.28	48	45	100
			50		
			55		
			60		
			65		
			70		
			75		
19	165.2	154.33	38	45	100
			40		
			42		
			45		
			48		
			50		
			55		
20	173.2	162.38	38	45	100
			40		
			42		
			45		
			48		
			50		
			55		
21	181.2	170.43	38	45	100
			40		
			42		
			45		
			48		
			50		
			55		
22	189.3	178.48	30	45	100
			32		
			35		
			40		
			45		
			50		
			55		

Z	d _e	d _p	D	H	d
22	189.3	178.48	38	50	110
			40		
			42		
			45		
			48		
			50		
			55		
23	197.5	186.53	38	50	110
			40		
			42		
			45		
			48		
			50		
			55		
24	205.5	194.59	38	50	110
			40		
			42		
			45		
			48		
			50		
			55		
25	213.5	202.66	38	50	110
			40		
			42		
			45		
			48		
			50		
			55		

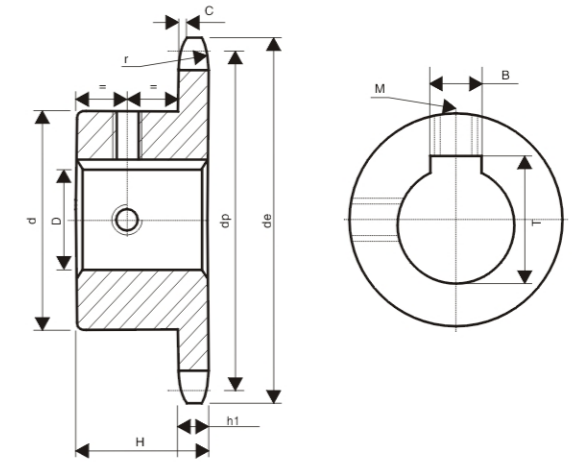
Finished Bore Sprockets European Standard Series

1" 1/4x3/4"

20B-1 31.75x19.56mm

CHAIN: ISO mm
Pitch 31.75
internal width 19.56
Roller Φ 19.05

SPROCKETS
Tooth radius r 32
Radius width c 3.5
Tooth width h_t 18.5



Material:C45

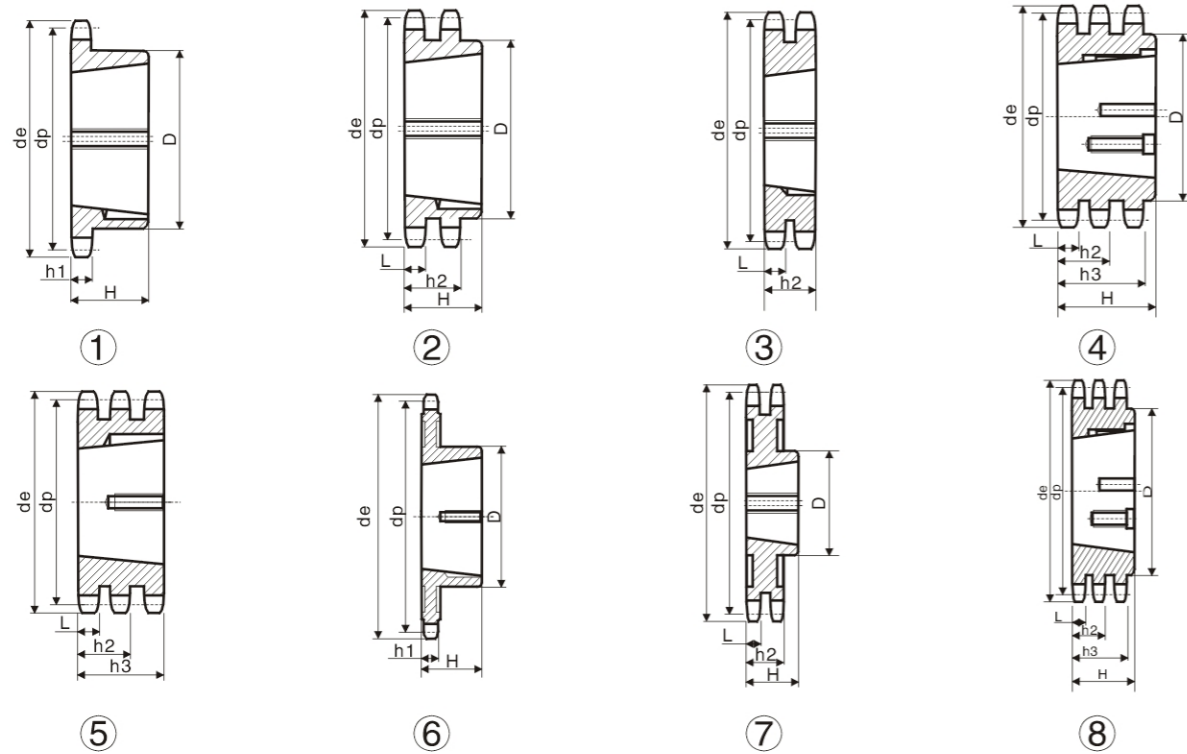
Z	d _e	d _p	D	H	d
09	108	92.84	25	40	63
			30		
			32		
			35		
			38		
			40		
			45		
10	117.9	102.74	25	40	70
			30		
			32		
			35		
			38		
			40		
			45		
11	127.8	112.68	25	45	77
			28		
			30		
			32		
			35		
			40		
			42		
12	137.8	122.68	38	45	88
			40		
			42		
			45		
			50		
			60		
			93		
13	147.8	132.65	25	45	98
			28		
			31		

Z	d _e	d _p	D	H	d
13	147.8	132.65	32	45	98
			35		
			38		
			40		
			42		
			45		
			50		
14	157.8	142.68	42	45	108
			45		
			48		
			50		
			60		
			70		
			82		
15	167.9	152.72	42	45	118
			45		
			48		
			50		
			60		
			70		
			82		
16	177.9	162.75	48	50	120
			50		
			60		
			65		
			70		
			82		
			93		

Z	d _e	d _p	D	H	d
17	187.9	172.78	38	50	120
			40		
			42		
			45		
			48		
			50		
			60		
18	198	182.85	48	50	120
			50		
			60		
			65		
			70		
			82		
			93		
19	208.1	192.91	48	50	120
			50		
			60		
			65		
			70		
			82		
			93		
20	218.1	202.98	48	50	120
			50		
			60		
			65		
			70		
			82		
			93		

Taper Bore Sprockets European Standard Series

Taper Bore For Roller Chains DIN8187-ISO/R606



3/8"x7/32"
06B-1-2-3

06B-1-2-3 9.525X5.72mm

CHAIN:	ISO mm
Pitch	9.525
internal width	5.72
Roller Φ	6.35

DIN 8187 ISO/R 606

SPROCKETS	ISO mm
Tooth radius r	10
Radius width C	1
Tooth width h ₁	5.3
Tooth width L	5.2
Tooth width h ₂	15.4
Tooth width h ₃	25.6

Stell=C45
*Cast iron=G22
cast iron with black phosphated

Z	d _e	d _p	TS				TD				TT			
			D	H	for Bush	Tybe	D	H	for Bush	Tybe	D	H	for Bush	Tybe
17	55.3	51.83	45	22	1008	1	41	22	1008	2	-	25.6	1008	5
19	61.3	57.87	45	22	1008	1	46	22	1008	2	-	25.6	1008	5
21	68.0	63.91	46	22	1008	1	49	22	1008	2	-	25.6	1008	5
23	73.5	69.95	63	25	1210	1	59	25	1210	2	-	25.6	1210	5
25	80.0	76.02	63	25	1210	1	64	25	1210	2	-	25.6	1210	5
27	86.0	82.02	63	25	1210	1	70	25	1210	2	-	25.6	1210	5
30	94.7	91.12	63	25	1210	1	75	25	1210	2	79	38	1615	4
*38	119.5	115.35	70	25	1210	1	80	25	1610	2	90	38	1615	4
*45	140.7	136.55	70	25	1210	1	80	25	1610	2				
*57	176.9	172.91	70	25	1210	6	80	25	1610	7				
*76	234.9	230.49	70	25	1210	6	80	25	1610	7				
*95	292.5	288.08	80	25	1210	6	90	25	1610	7				
*114	349.5	345.68	80	25	1210	6	95	38	1615	7				

Taper Bore Sprockets European Standard Series

1/2"x5/16"
08B-1-2-3

08B-1-2-3 12.7X7.75mm

CHAIN:	ISO mm
Pitch	12.7
internal width	7.75
Roller Φ	8.51

DIN 8187 ISO/R 606

SPROCKETS	ISO mm
Tooth radius r	13
Radius width C	1.3
Tooth width h ₁	7.2
Tooth width L	7
Tooth width h ₂	21
Tooth width h ₃	34.9

Stell=C45
*Cast iron=G22
cast iron with black phosphated

Z	d _e	d _p	TS				TD				TT			
			D	H	for Bush	Tybe	D	H	for Bush	Tybe	D	H	for Bush	Tybe
15	65.5	61.9	45	22	1008	1	46	22	1008	2	-	34.9	1008	5
17	73.6	69.11	60	25	1210	1	56	25	1210	2	-	34.9	1210	5
19	81.7	77.16	63	25	1210	1	62	25	1210	2	-	34.9	1210	5
21	89.7	85.22	71	25	1610	1	70	25	1610	2	-	34.9	1610	5
23	98.2	93.27	76	25	1610	1	79	25	1610	2	-	34.9	1610	5
25	105.8	101.33	76	25	1610	1	87	32	2012	2	-	34.9	2012	5
27	114.0	109.40	76	25	1610	1	87	32	2012	2	-	34.9	2012	5
30	126.1	121.50	90	32	2012	1	87	32	2012	2	-	34.9	2012	5
38	158.6	153.80	90	32	2012	1	100	32	2012	2	-	34.9	2012	5
*45	188.0	182.07	100	32	2012	1	100	32	2012	2				
*57	236.4	230.54	100	32	2012	6	100	32	2012	7				
*76	313.3	307.33	100	32	2012	6	100	32	2012	7				
*95	390.1	384.11	100	32	2012	6	100	32	2012	7				
*114	466.9	460.90	110	45	2517	6	110	45	2517	7				

5/8"x3/8"
10B-1-2-3

10B-1-2-3 15.875X9.65mm

CHAIN:	ISO mm
Pitch	15.875
internal width	9.65
roller Φ	10.16

DIN 8187 ISO/R 606

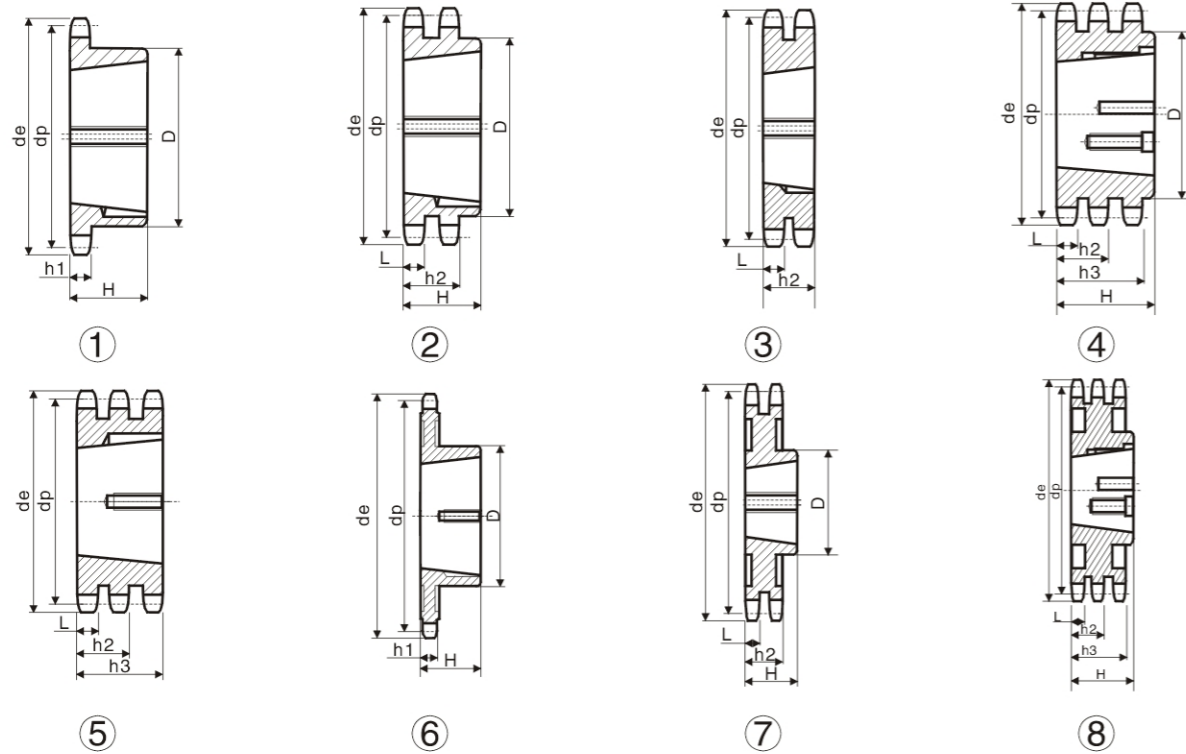
SPROCKETS	ISO mm
Tooth radius r	16
Radius width C	1.6
Tooth width h ₁	9.1
Tooth width L	9
Tooth width h ₂	25.5
Tooth width h ₃	42.1

Stell=C45
*Cast iron=G22
cast iron with black phosphated

Z	d _e	d _p	TS				TD				TT			
			D	H	for Bush	Tybe	D	H	for Bush	Tybe	D	H	for Bush	Tybe
13	73.0	66.32	47	22	1008	1	-	25.5	1210	3	-	42.1	1210	5
15	83.0	76.36	60	25	1210	1	-	25.5	1610	3	-	42.1	1210	5
17	93.0	86.36	71	25	1610	1	-	25.5	1610	3	-	42.1	1615	5
19	103.3	96.45	75	25	1610	1	-	25.5	1610	3	-	42.1	1615	5
21	113.4	106.52	76	25	1610	1	-	25.5	1610	3	-	42.1	2012	5
23	123.4	116.58	76	25	1610	1	90	32	2012	2	105	45	2517	4
25	134.0	126.66	90	32	2012	1	90	32	2012	2	110	45	2517	4
27	144.0	136.75	90	32	2012	1	90	32	2012	2	120	45	2517	4
30	158.8	151.87	90	32	2012	1								
38	199.2	192.24	100	32	2012	1								
45	235.0	227.58	100	32	2012	6								
*57	296.0	288.18	100	32	2012	6								
*76	392.1	384.16	100	32	2012	6								
*95	488.5	480.14	110	45	2517	6								
*114	584.1	576.13	110	45	2517	6								

Taper Bore Sprockets European Standard Series

Taper Bore For Roller Chains DIN8187-ISO/R606



3/4"x7/16"
12B-1-2-3

12B-1-2-3 19.05X11.68mm

CHAIN:	ISO mm
Pitch	19.05
internal width	11.68
Roller Φ	12.07

DIN 8187 ISO/R 606

SPROCKETS	ISO mm
Tooth radius r	19
Radius width C	2
Tooth width h_1	11.1
Tooth width L	10.8
Tooth width h_2	30.3
Tooth width h_3	49.8

Stell=C45
*Cast iron=G22
cast iron with black phosphated

Z	d_e	d_p	TS				TD				TT					
			D	H	for Bush	Tybe	D	H	for Bush	Tybe	D	H	for Bush	Tybe		
13	87.5	79.59	60	25	1210	1	-	-	-	-	-	-	-	-	-	-
15	99.8	91.63	70	25	1610	1	-	30.3	1610	3	-	49.8	1615	5	-	-
17	111.5	103.67	76	25	1610	1	-	30.3	1610	3	-	49.8	1615	5	-	-
19	124.2	115.75	90	32	2012	1	90	32	2012	2	-	49.8	2012	5	-	-
21	136.0	127.82	102	45	2517	1	108	45	2517	2	-	49.8	2517	5	-	-
23	149.0	139.90	108	45	2517	1	108	45	2517	2	-	49.8	2517	5	-	-
25	160.0	152.00	108	45	2517	1	108	45	2517	2	-	49.8	2517	5	-	-
27	172.3	164.00	108	45	2517	1	108	45	2517	2	140	51	3020	4	-	-
30	190.5	182.25	108	45	2517	1	108	45	2517	2	140	51	3020	4	-	-
38	239.0	230.69	108	45	2517	1	140	51	3020	2	140	51	3020	4	-	-
45	282.5	273.10	108	45	2517	6	140	51	3020	7	140	51	3020	8	-	-
*57	355.4	345.81	108	45	2517	6	140	51	3020	7	140	51	3020	8	-	-
*76	469.9	460.99	108	45	2517	6	140	51	3020	7	140	51	3020	8	-	-
*95	585.1	576.17	108	45	2517	6	140	51	3020	7	140	76	3030	8	-	-
*114	700.6	691.36	108	64	2525	6	140	76	3030	7	140	76	3030	8	-	-

Taper Bore Sprockets European Standard Series

1"x17.02mm
16B-1-2-3

16B-1-2-3 25.4X17.2mm

CHAIN:	ISO mm
Pitch	25.4
internal width	17.02
Roller Φ	15.88

DIN 8187 ISO/R 606

SPROCKETS	ISO mm
Tooth radius r	26
Radius width C	2.5
Tooth width h_1	16.2
Tooth width L	15.8
Tooth width h_2	47.7
Tooth width h_3	79.6

Stell=C45
*Cast iron=G22
cast iron with black phosphated

Z	d_e	d_p	TS				TD				TT					
			D	H	for Bush	Tybe	D	H	for Bush	Tybe	D	H	for Bush	Tybe		
13	117.0	106.12	73	38	1615	1	-	-	-	-	-	-	-	-	-	-
15	133.0	122.17	76	38	1615	1	-	47.7	2012	3	-	79.6	2517	5	-	-
17	149.0	138.22	90	32	2012	1	-	47.7	2517	3	-	79.6	3030	5	-	-
19	165.2	154.33	108	45	2517	1	-	47.7	2517	3	-	79.6	3030	5	-	-
21	181.2	170.43	110	45	2517	1	140	51	3020	2	-	-	-	-	-	-
23	197.5	186.53	110	45	2517	1	140	51	3020	2	159	89	3535	4	-	-
25	213.5	202.66	110	45	2517	1	140	51	3020	2	175	89	3535	4	-	-
27	229.6	218.79	110	45	2517	1	140	51	3020	2	175	89	3535	4	-	-
30	254.0	243.00	140	51	3020	1	140	76	3030	2	175	89	3535	4	-	-
38	320.7	307.59	140	51	3020	1	140	76	3030	2	175	89	3535	4	-	-
45	377.1	364.13	140	51	3020	6	140	76	3030	7	215	102	4040	8	-	-
*57	474.0	461.07	140	51	3020	6	175	89	3535	7	215	102	4040	8	-	-
*76	627.0	614.65	140	51	3020	6	175	89	3535	7	215	102	4040	8	-	-
*95	781.1	768.22	140	51	3020	6	215	102	4040	7	215	102	4040	8	-	-
*114	934.3	921.81	140	76	3020	6	215	102	4040	7	260	114	4045	8	-	-

1"1/4x3/4"
20B-1-2-3

20B-1-2-3 31.75X19.56mm

CHAIN:	ISO mm
Pitch	31.75
internal width	19.56
Roller Φ	19.05

DIN 8187 ISO/R 606

SPROCKETS	ISO mm
Tooth radius r	32
Radius width C	3.5
Tooth width h_1	18.5
Tooth width L	18.2
Tooth width h_2	54.6
Tooth width h_3	91

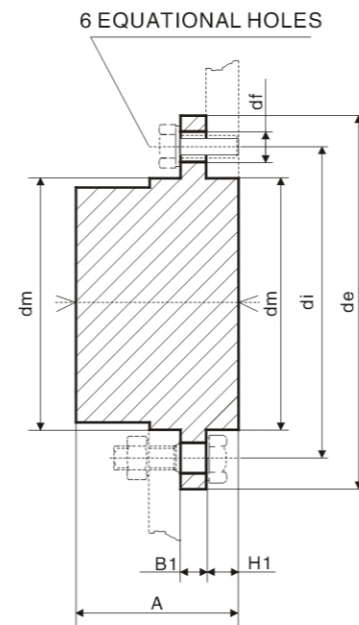
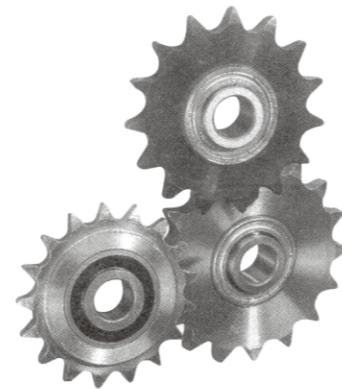
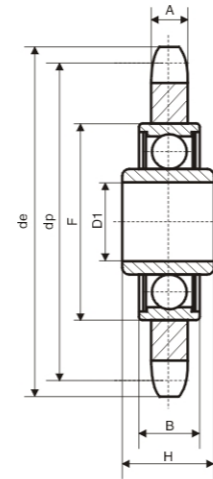
Stell=C45
*Cast iron=G22
cast iron with black phosphated

Z	d_e	d_p	TS			
			D	H	for Bush	Tybe
13	147.8	132.65	90	32	2012	1
15	167.9	152.72	108	45	2517	1
17	187.9	172.78	108	45	2517	1
19	208.1	192.91	108	45	2517	1
21	228.2	213.04	108	45	2517	1
23	248.3	233.17	108	45	2517	1
25	268.5	253.33	108	45	2517	1
27	288.6	273.40	150	51	3020	1
30	318.9	303.75	150	51	3020	1
38	399.6	384.49	160	51	3020	6
*45	470.3	455.17	160	51	3020	6
*57	591.5	576.36	160	51	3020	6
*76	783.5	768.32	160	51	3020	6

Idler Sprockets with Ball Bearing European Standard Series

Z	Pitch	de	dp	A	D1	F	B	H
23	8x3	62.15	58.75	2.8	16	40	12	18.3
21	3/8"x7/32"	68.0	63.90	5.3	16	40	12	18.3
18	1/2"x1/8"	78.9	73.14	3	16	40	12	18.3
18	1/2"x3/16"	78.9	73.13	4.5	16	40	12	18.3
16	1/2"x5/16"	69.5	65.10	7.2	16	40	12	18.3
18	1/2"x5/16"	77.8	73.14	7.2	16	40	12	18.3
14	5/8"x3/8"	78.0	71.34	9.1	16	40	12	18.3
15	5/8"x3/8"	83.0	76.36	9.1	16	40	12	18.3
17	5/8"x3/8"	93.0	86.39	9.1	16	40	12	18.3
13	3/4"x7/16"	87.5	79.59	11.1	16	40	12	18.3
15	3/4"x7/16"	99.8	91.63	11.1	16	40	12	18.3
13	1"x17.02	109.0	98.14	16.2	20	47	14	17.7
	1"x1/4x3/4"	147.8	132.65	18.5	25	52	15	21.0

IDLER SPROCKETS



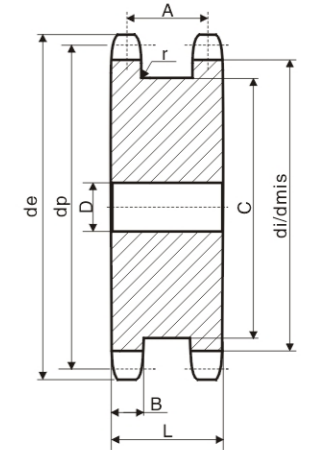
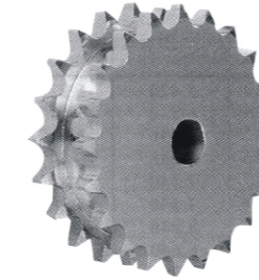
DISASSEMBLING HUBS FOR PLATEWHEELS

Nr	de	di	d _m ^{h9}	A	D _f	B1	H1
30	55	45	30	20.0	4.2	4	3.0
40	70	58	40	25.0	5.2	5	5.2
50	80	67	50	32.0	6.2	7	7.0
60	90	76	60	38.5	6.2	7	8.7
70	110	94	70	45.5	8.2	8	10.5
80	130	107	80	55.0	8.2	12	15.0
100	170	140	100	73.0	10.2	17	23.0
140	220	182	140	83.0	12.2	20	23.0
160	245	205	160	93.0	16.5	25	25.0

For Roller Chains DIN 8187 ISO/R 606

Double Sprockets for Tow Single Chains European Standard Series

Double Simplex



Type	Z	de	dp	di	dmis	D	A	B h14	C max	L
3/8"x7/32" R6.35	13	43	39.80	33.45	33.16	10	20.3	5.3	28	25.5
	15	49.3	45.81	39.46	39.21	10	20.3	5.3	34	25.5
	17	55.3	51.84	45.49	45.27	12	20.3	5.3	40	25.5
	19	61.3	57.87	51.52	51.32	12	20.3	5.3	46	25.5
	21	68	63.91	57.56	57.38	15	20.3	5.3	52	25.5
06B-1	23	73.5	69.95	63.60	63.44	15	20.3	5.3	59	25.5
	25	80	76.00	69.65	69.50	15	20.3	5.3	65	25.5

1/2"x5/16" R8.51	13	57.4	53.07	44.56	44.17	10	24.8	7.2	37	32
	15	65.5	61.08	52.57	52.24	10	24.8	7.2	45	32
	17	73.6	69.12	60.61	60.31	12	24.8	7.2	53	32
	19	81.7	77.16	68.65	68.39	12	24.8	7.2	62	32
08B-1	21	89.7	85.21	76.71	76.46	15	24.8	7.2	70	32
	23	98.2	93.27	84.76	84.54	15	24.8	7.2	78	32
25	105.8	101.33	92.82	92.62	15	24.8	7.2	86	32	

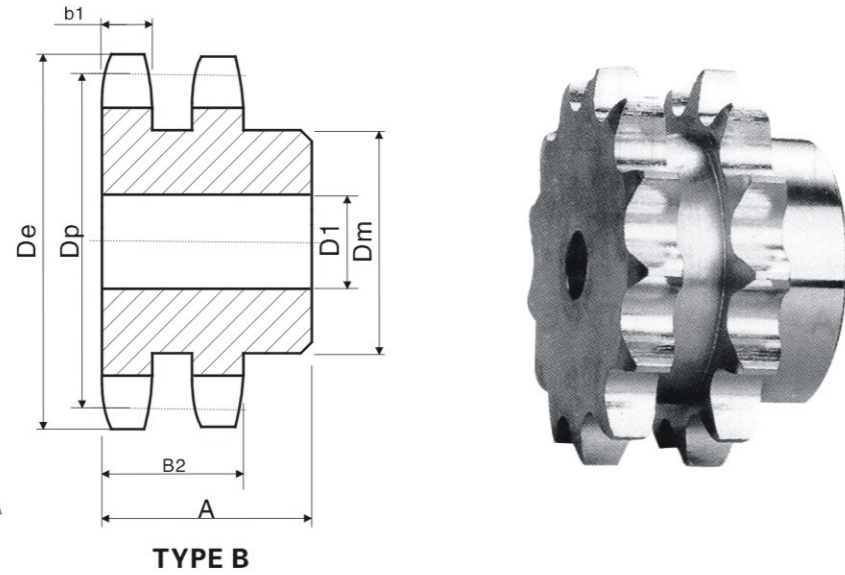
5/8"x3/8" R10.16	13	73	66.33	56.17	55.69	15	27.9	9.1	48	37
	15	83	76.35	66.19	65.78	15	27.9	9.1	58	37
	17	93	86.39	76.23	75.87	15	27.9	9.1	68	37
	19	103.3	96.45	86.29	85.96	19	27.9	9.1	79	37
	21	113.4	106.51	96.35	96.06	19	27.9	9.1	89	37
10B-1	23	123.4	116.59	106.43	106.15	19	27.9	9.1	99	37
	25	134	126.66	116.50	116.25	19	27.9	9.1	109	37

3/4"x7/16" R12.07	13	87.5	79.60	67.53	66.95	20	33.9	11.1	59	45
	15	99.8	91.63	79.56	79.05	20	33.9	11.1	71	45
	17	111.5	103.67	91.60	91.18	20	33.9	11.1	83	45
	19	124.2	115.74	103.67	103.27	20	33.9	11.1	95	45
	21	136	127.82	115.75	115.39	24	33.9	11.1	107	45
12B-1	23	149	139.90	127.83	127.51	24	33.9	11.1	119	45
	25	160	151.99	139.92	139.62	24	33.9	11.1	131	45

1"x17.02 R15.88	13	117	106.14	90.26	89.48	24	47.8	16.2	78	64
	15	133	122.17	106.29	105.62	24	47.8	16.2	95	64
	17	149	138.23	122.35	121.76	24	47.8	16.2	111	64
16B-1	19	165.2	154.32	138.44	137.91	24	47.8	16.2	127	64
	21	181.2	170.42	154.54	154.06	24	47.8	16.2	143	64

Steel Stock Sprockets American Standard Series NO.35-2

- Pitch $\frac{3}{8}$ "
- Roller Φ 0.200"
- Tooth width b1 0.162"
- Tooth width B2 0.561"



Double-Type B

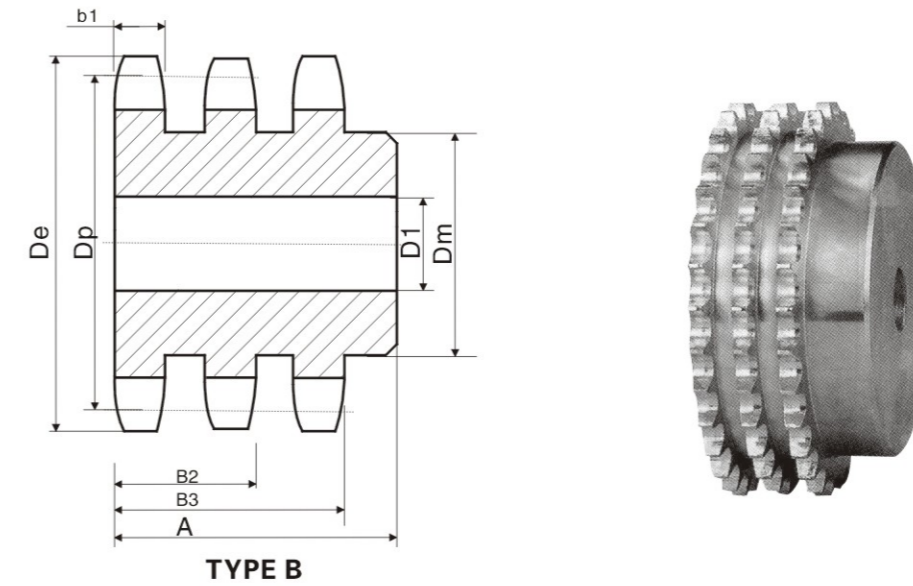
Power Transmission Professional

No. Teeth	Number	De	Type	D1		Dm	A	Weight Lbs. (Approx.)
				Min.	Max.			
12	D35B12H	1.630	B	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{63}{64}$	$\frac{1}{4}$	.32
13	D35B13H	1.750	B	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{17}{64}$	$\frac{1}{4}$	.36
14	D35B14H	1.870	B	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{17}{64}$	$\frac{1}{4}$	.44
15	D35B15H	1.990	B	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{17}{64}$	$\frac{1}{4}$	.56
16	D35B16H	2.110	B	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{17}{64}$	$\frac{1}{4}$	.64
17	D35B17H	2.230	B	$\frac{1}{2}$	$1\frac{1}{16}$	$1\frac{19}{32}$	$\frac{1}{4}$	.74
18	D35B18H	2.350	B	$\frac{1}{2}$	$1\frac{1}{16}$	$1\frac{19}{32}$	$\frac{1}{4}$	.84
19	D35B19H	2.470	B	$\frac{1}{2}$	$1\frac{1}{16}$	$1\frac{19}{32}$	$\frac{1}{4}$	.96
20	D35B20H	2.590	B	$\frac{3}{4}$	$1\frac{5}{16}$	$1\frac{5}{16}$	$\frac{1}{8}$	1.08
21	D35B21H	2.710	B	$\frac{3}{4}$	$1\frac{3}{8}$	$2\frac{1}{16}$	$\frac{1}{8}$	1.24
22	D35B22H	2.830	B	$\frac{3}{4}$	$1\frac{7}{16}$	$2\frac{1}{16}$	$\frac{1}{8}$	1.42
23	D35B23H	2.950	B	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	$\frac{1}{8}$	1.54
24	D35B24H	3.070	B	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	$\frac{1}{8}$	1.62
25	D35B25H	3.190	B	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	$\frac{1}{8}$	1.66
26	D35B26	3.310	B	$\frac{3}{4}$	$1\frac{3}{4}$	$2\frac{1}{2}$	$\frac{1}{8}$	1.98
30	D35B30	3.790	B	$\frac{3}{4}$	$1\frac{3}{4}$	$2\frac{1}{2}$	$\frac{1}{8}$	2.34
36	D35B36	4.510	B	$\frac{3}{4}$	$1\frac{3}{4}$	$2\frac{1}{2}$	$\frac{1}{8}$	3.00
42	D35B42	5.230	B	$\frac{3}{4}$	$1\frac{3}{4}$	$2\frac{1}{2}$	$\frac{1}{8}$	3.80
48	D35B48	5.950	B	$\frac{3}{4}$	$1\frac{3}{4}$	$2\frac{1}{2}$	$\frac{1}{8}$	4.66
52	D35B52	6.430	B	$\frac{3}{4}$	$1\frac{3}{4}$	$2\frac{1}{2}$	$\frac{1}{8}$	5.40
60	D35B60	7.380	B	$\frac{3}{4}$	$1\frac{3}{4}$	$2\frac{1}{2}$	$\frac{1}{8}$	6.84
68	D35B68	8.340	B	$\frac{3}{4}$	$2\frac{3}{8}$	$3\frac{1}{2}$	$\frac{1}{2}$	10.01
72	D35B72	8.810	B	$\frac{3}{4}$	$2\frac{3}{8}$	$3\frac{1}{2}$	$\frac{1}{2}$	11.04
76	D35B76	9.290	B	$\frac{3}{4}$	$2\frac{3}{8}$	$3\frac{1}{2}$	$\frac{1}{2}$	11.94
84	D35B84	10.250	B	$\frac{3}{4}$	$2\frac{3}{8}$	$3\frac{1}{2}$	$\frac{1}{2}$	14.98
95	D35B95	11.560	B	1	$2\frac{3}{8}$	$3\frac{1}{2}$	$\frac{1}{2}$	17.42
96	D35B96	11.680	B	1	$2\frac{3}{8}$	$3\frac{1}{2}$	$\frac{1}{2}$	18.14
102	D35B102	12.400	B	1	$2\frac{3}{8}$	$3\frac{1}{2}$	$\frac{1}{2}$	19.92

Maximum bores shown will accommodate standard keyseat and setscrew over keyseat. Slightly larger bores are possible with no keyseat, shallow keyseat, or setscrew at angle to keyseat.

Steel Stock Sprockets American Standard Series NO.35-3

- Pitch $\frac{3}{8}$ "
- Roller Φ 0.200"
- Tooth width b1 0.162"
- Tooth width B2 0.561"
- Tooth width B3 0.960"



Triple-Type B

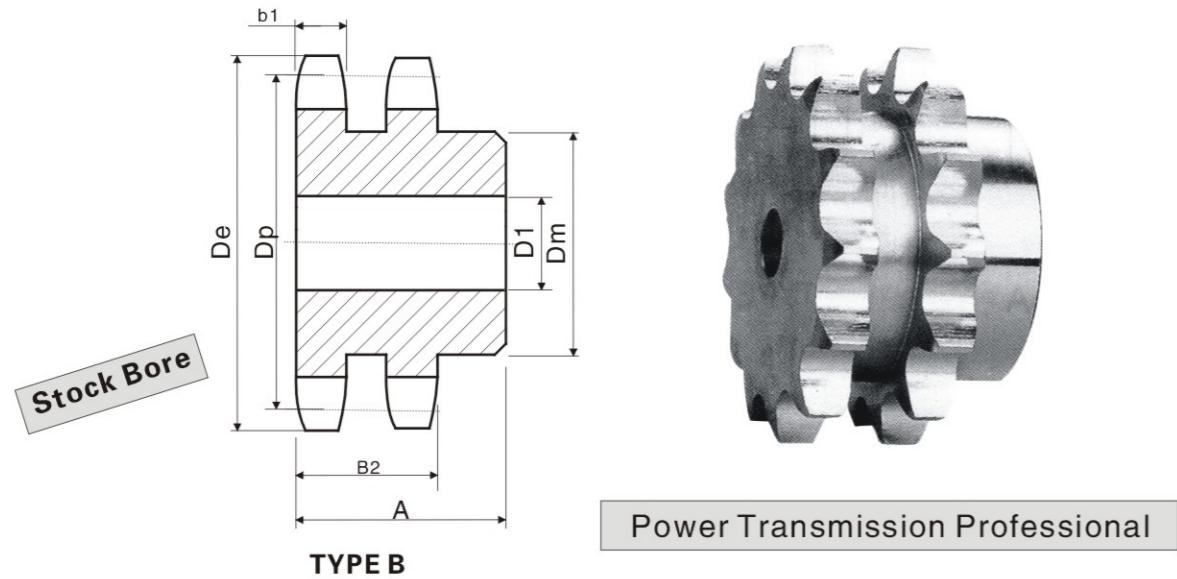
Power Transmission Professional

No. Teeth	Number	De	Type	D1		Dm	A	Weight Lbs. (Approx.)
				Min.	Max.			
13	E35B13H	1.750	B	$\frac{1}{2}$	$\frac{1}{16}$	$\frac{17}{64}$	$\frac{1}{4}$	.50
14	E35B14H	1.870	B	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{17}{64}$	$\frac{1}{4}$	.62
15	E35B15H	1.990	B	$\frac{1}{2}$	$\frac{15}{16}$	$1\frac{9}{32}$	$\frac{1}{4}$	.78
16	E35B16H	2.110	B	$\frac{1}{2}$	$\frac{15}{16}$	$1\frac{9}{32}$	$\frac{1}{4}$	.82
17	E35B17H	2.230	B	$\frac{1}{2}$	$\frac{1}{16}$	$1\frac{19}{32}$	$\frac{1}{4}$	1.04
18	E35B18H	2.350	B	$\frac{1}{2}$	$\frac{1}{16}$	$1\frac{19}{32}$	$\frac{1}{4}$	1.22
19	E35B19H	2.470	B	$\frac{1}{2}$	$\frac{1}{16}$	$1\frac{19}{32}$	$\frac{1}{4}$	1.40
20	E35B20H	2.590	B	$\frac{3}{4}$	$\frac{1}{16}$	$1\frac{5}{16}$	$\frac{1}{8}$	1.50
21	E35B21H	2.710	B	$\frac{3}{4}$	$\frac{1}{8}$	$2\frac{1}{16}$	$\frac{1}{8}$	1.72
22	E35B22H	2.830	B	$\frac{3}{4}$	$\frac{1}{16}$	$2\frac{1}{16}$	$\frac{1}{8}$	1.96
23	E35B23H	2.950	B	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	$\frac{1}{8}$	2.12
24	E35B24H	3.070	B	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	$\frac{1}{8}$	2.26
25	E35B25H	3.190	B	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	$\frac{1}{8}$	2.42
26	E35B26	3.310	B	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	$\frac{1}{8}$	2.78
30	E35B30	3.790	B	$\frac{3}{4}$	$1\frac{3}{4}$	$2\frac{1}{2}$	$\frac{1}{8}$	3.42
36	E35B36	4.510	B	$\frac{3}{4}$	$1\frac{3}{4}$	$2\frac{1}{2}$	$\frac{1}{8}$	4.52
42	E35B42	5.230	B	$\frac{3}{4}$	$1\frac{3}{4}$	$2\frac{1}{2}$	$\frac{1}{8}$	5.88
48	E35B48	5.950	B	$\frac{3}{4}$	$1\frac{3}{4}$	$2\frac{1}{2}$	$\frac{1}{8}$	7.42
52	E35B52	6.430	B	$\frac{3}{4}$	$1\frac{3}{4}$	$2\frac{1}{2}$	$\frac{1}{8}$	8.52
60	E35B60	7.380	B	$\frac{3}{4}$	$1\frac{3}{4}$	$2\frac{1}{2}$	$\frac{1}{8}$	11.22
68	E35B68	8.340	B	$\frac{3}{4}$	$2\frac{3}{8}$	$3\frac{1}{2}$	$\frac{1}{8}$	15.38
72	E35B72	8.810	B	$\frac{3}{4}$	$2\frac{3}{8}$	$3\frac{1}{2}$	$\frac{1}{8}$	17.34
76	E35B76	9.290	B	$\frac{3}{4}$	$2\frac{3}{8}$	$3\frac{1}{2}$	$\frac{1}{8}$	18.90
84	E35B84	10.250	B	$\frac{3}{4}$	$2\frac{3}{8}$	$3\frac{1}{2}$	$\frac{1}{8}$	22.82
95	E35B95	11.560	B	1	$2\frac{3}{8}$	$3\frac{1}{2}$	$\frac{1}{8}$	29.32
96	E35B96	11.680	B	1	$2\frac{3}{8}$	$3\frac{1}{2}$	$\frac{1}{8}$	30.06
102	E35B102	12.400	B	1	$2\frac{3}{8}$	$3\frac{1}{2}$	$\frac{1}{8}$	33.36

NOTE: Triple 35 stock sprockets with 25 teeth or less have Hardened teeth. Maximum bores shown will accommodate standard keyseat and setscrew over keyseat. Slightly larger bores are possible with no keyseat, shallow keyseat, or setscrew at angle to keyseat.

Steel Stock Sprockets American Standard Series NO.40-2

- Pitch $\frac{1}{2}$ "
- Roller Φ 0.312"
- Tooth width b1 0.275"
- Tooth width B2 0.841"



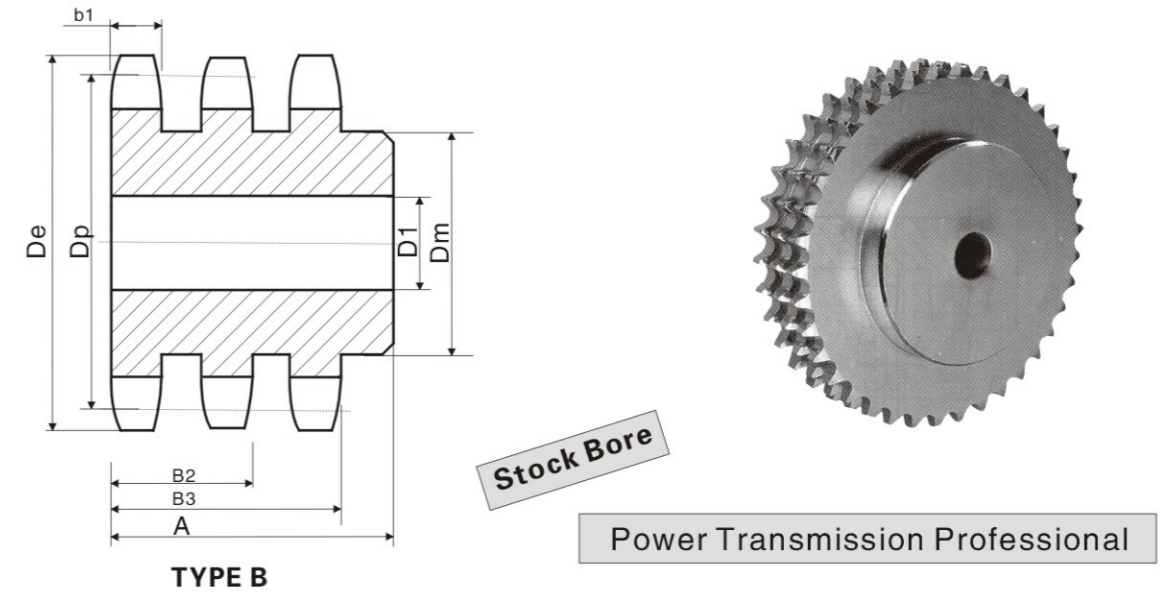
Double-Type B

No. Teeth	Number	De	Type	D1		Dm	A	Weight Lbs. (Approx.)
				Min.	Max.			
11	D40B11H	2.000	B	1/2	3/4	1 1/16 *	1 1/2	.62
12	D40B12H	2.170	B	1/2	13/16	1 1/16 *	1 1/2	.76
13	D40B13H	2.330	B	1/2	1	1 1/16	1 1/2	.86
14	D40B14H	2.490	B	1/2	1 1/16	1 1/16	1 1/2	1.08
15	D40B15H	2.650	B	1/2	1 1/4	1 3/16	1 1/2	1.24
16	D40B16H	2.810	B	5/8	1 1/2	2	1 1/2	1.42
17	D40B17H	2.980	B	5/8	1 5/8	2 1/8	1 1/2	1.64
18	D40B18H	3.140	B	5/8	1 3/4	2 1/4	1 1/2	1.92
19	D40B19H	3.300	B	5/8	1 7/8	2 1/2	1 1/2	2.22
20	D40B20H	3.460	B	5/8	2	2 3/8	1 5/8	2.64
21	D40B21H	3.620	B	5/8	2 1/8	2 1/2	1 5/8	2.94
22	D40B22H	3.780	B	5/8	2 1/4	2 3/4	1 5/8	3.18
23	D40B23H	3.940	B	5/8	2 1/2	3	1 5/8	3.51
24	D40B24H	4.100	B	5/8	2 3/4	3 1/4	1 5/8	4.04
25	D40B25H	4.260	B	5/8	2 5/8	3 1/2	1 5/8	4.26
26	D40B26	4.420	B	5/8	2 3/4	3 3/4	1 5/8	4.48
30	D40B30	5.060	B	7/8	2 1/2	3 1/4	1 5/8	5.34
35	D40B35	5.860	B	7/8	2 3/4	3 3/4	1 5/8	6.80
36	D40B36	6.020	B	1 1/16	2 1/2	3 3/4	1 5/8	7.20
40	D40B40	6.650	B	1 1/16	2 1/2	3 3/4	1 5/8	9.40
42	D40B42	6.970	B	1 1/16	2 1/2	3 3/4	1 5/8	10.20
45	D40B45	7.450	B	1 1/16	2 1/2	3 3/4	1 5/8	11.36
48	D40B48	7.930	B	1 1/16	2 1/2	3 3/4	1 5/8	12.66
52	D40B52	8.570	B	1 1/16	2 1/2	3 3/4	1 5/8	14.46
54	D40B54	8.890	B	1 1/16	2 1/2	3 3/4	1 5/8	15.48
60	D40B60	9.840	B	1 1/16	2 1/2	3 3/4	1 5/8	18.60
68	D40B68	11.120	B	1 1/16	2 1/2	4 1/4	2 1/8	24.96
72	D40B72	11.750	B	1 1/16	2 1/2	4 1/4	2 1/8	27.88
76	D40B76	12.390	B	1 1/16	2 3/4	4 1/4	2 1/8	30.18
84	D40B84	13.660	B	1 1/16	2 3/4	4 1/4	2 1/8	36.24
95	D40B95	15.410	B	1 1/16	2 3/4	4 1/4	2 1/8	38.84
96	D40B96	15.570	B	1 1/16	2 3/4	4 1/4	2 1/8	39.50
102	D40B102	16.530	B	1 1/16	2 3/4	4 1/4	2 1/8	42.72
112	D40B112	18.120	B	1 1/16	2 3/4	4 1/4	2 1/8	55.54

★ Has recessed groove in hub for chain clearance.
NOTE: Double 40 stock sprockets with 25 teeth or less have Hardened teeth.
Maximum bores shown will accommodate standard keyseat and setscrew over keyseat.
Slightly larger bores are possible with no keyseat, shallow keyseat, or setscrew at angle to keyseat.

Steel Stock Sprockets American Standard Series NO.40-3

- Pitch $\frac{1}{2}$ "
- Roller Φ 0.312"
- Tooth width b1 0.275"
- Tooth width B2 0.841"
- Tooth width B3 1.407"



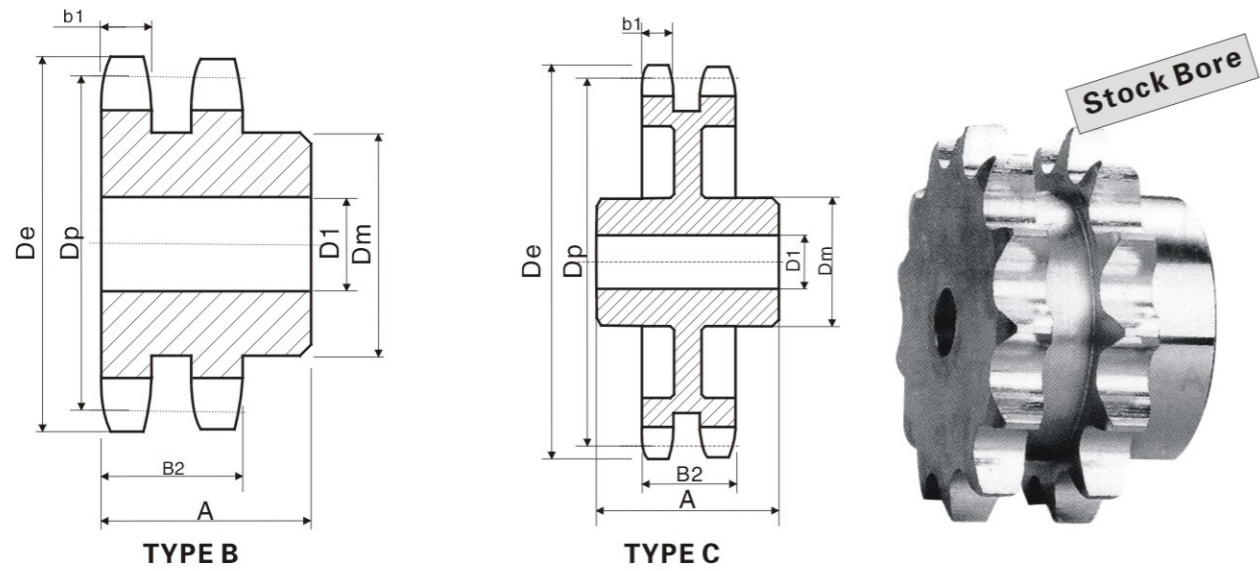
Triple-Type B

No. Teeth	Number	De	Type	D1		Dm	A	Weight Lbs. (Approx.)
				Min.	Max.			
11	E40B11H	2.000	B	1/2	3/4	1 1/16 *	2 1/8	.80
12	E40B12H	2.170	B	1/2	13/16	1 1/16 *	2 1/8	1.10
13	E40B13H	2.330	B	1/2	1	1 1/16	2 1/8	1.24
14	E40B14H	2.490	B	1/2	1 1/16	1 1/16	2 1/8	1.50
15	E40B15H	2.650	B	1/2	1 1/4	1 3/16	2 1/8	1.76
16	E40B16H	2.810	B	5/8	1 1/2	2	2 1/8	2.04
17	E40B17H	2.980	B	5/8	1 5/8	2 1/8	2 1/8	2.34
18	E40B18H	3.140	B	5/8	1 3/4	2 1/4	2 1/8	2.72
19	E40B19H	3.300	B	5/8	1 7/8	2 1/2	2 1/8	3.10
20	E40B20H	3.460	B	5/8	2	2 3/4	2 1/4	3.72
21	E40B21H	3.620	B	5/8	2 1/8	2 3/4	2 1/4	4.06
22	E40B22H	3.780	B	5/8	2 1/4	2 3/4	2 1/4	4.52
23	E40B23H	3.940	B	5/8	2 1/2	3	2 1/4	4.96
24	E40B24H	4.100	B	5/8	2 3/4	3 1/4	2 1/4	5.64
25	E40B25H	4.260	B	5/8	2 5/8	3 1/2	2 1/4	6.02
26	E40B26	4.420	B	5/8	2 3/4	3 3/4	2 1/4	6.36
30	E40B30	5.060	B	7/8	2 1/2	3 1/4	2 1/4	7.84
35	E40B35	5.860	B	7/8	2 3/4	3 3/4	2 1/4	10.30
36	E40B36	6.020	B	1 1/16	2 1/2	3 3/4	2 3/8	11.72
42	E40B42	6.970	B	1 1/16	2 1/2	3 3/4	2 3/8	15.36
48	E40B48	7.930	B	1 1/16	2 1/2	3 3/4	2 3/8	19.36
52	E40B52	8.570	B	1 1/16	2 1/2	3 3/4	2 3/8	22.44
60	E40B60	9.840	B	1 1/16	2 1/2	3 3/4	2 3/8	30.02
68	E40B68	11.120	B	1 1/16	2 1/2	4	2 3/8	38.44
72	E40B72	11.750	B	1 1/16	2 3/4	4	2 3/8	42.46
76	E40B76	12.390	B	1 1/16	2 3/4	4	2 3/8	46.90
84	E40B84	13.660	B	1 1/16	2 3/4	4 1/4	2 3/8	57.30
95	E40B95	15.410	B	1 1/16	2 3/4	4 1/4	2 3/8	62.18
102	E40B102	16.530	B	1 1/16	2 3/4	4 1/4	2 3/8	68.40

★ Has recessed groove in hub for chain clearance.
NOTE: Triple 40 stock sprockets with 25 teeth or less have Hardened teeth.
Maximum bores shown will accommodate standard keyseat and setscrew over keyseat.
Slightly larger bores are possible with no keyseat, shallow keyseat, or setscrew at angle to keyseat.

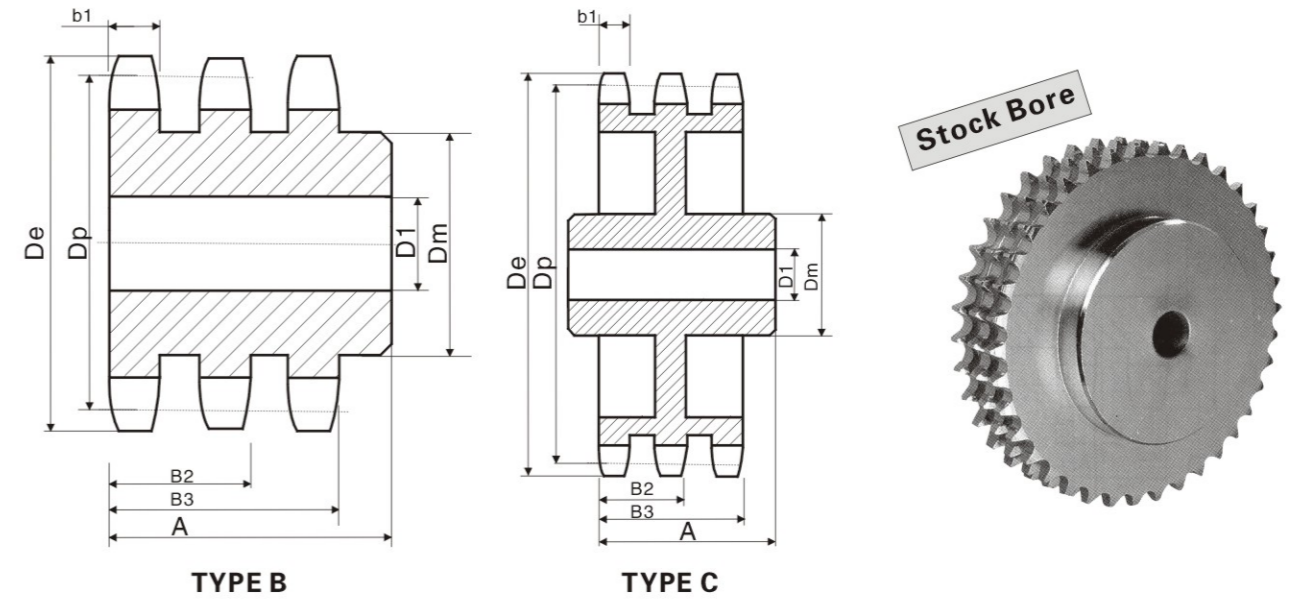
Steel Stock Sprockets American Standard Series NO.60-2

- Pitch $\frac{3}{4}$ "
- Roller Φ 0.468"
- Tooth width b1 0.444"
- Tooth width B2 1.341"



Steel Stock Sprockets American Standard Series NO.60-3

- Pitch $\frac{3}{4}$ "
- Roller Φ 0.468"
- Tooth width b1 0.444"
- Tooth width B2 1.341"
- Tooth width B3 2.238"



Double-Type B&C

Power Transmission Professional

No. Teeth	Number	De	Type	D1		Dm	A	Weight Lbs. (Approx.)
				Min.	Max.			
11	D60B11H	3.000	B	1	1 1/4	1 3/16	2 1/8	1.62
12	D60B12H	3.250	B	1	1 1/2	2 1/8	2 1/8	2.20
13	D60B13H	3.490	B	1	1 3/4	2 1/2	2 1/8	2.60
14	D60B14H	3.740	B	1	2	3	2 1/8	3.24
15	D60B15H	3.980	B	1	2 1/4	3 1/4	2 1/8	3.96
16	D60B16H	4.220	B	1	2 1/2	3 1/2	2 1/8	4.62
17	D60B17H	4.460	B	1	2 3/4	3 3/4	2 1/8	5.40
18	D60B18H	4.700	B	1	3	4	2 1/8	6.24
19	D60B19H	4.950	B	1	3 1/4	4 1/4	2 1/8	7.00
20	D60B20H	5.190	B	1	3 1/2	4 1/2	2 1/8	7.72
21	D60B21H	5.430	B	1	3 3/4	4 3/4	2 1/8	8.82
22	D60B22H	5.670	B	1	4	5	2 1/8	9.68
23	D60B23H	5.910	B	1	4 1/4	5 1/4	2 1/8	10.30
24	D60B24H	6.150	B	1	4 1/2	5 1/2	2 1/8	11.14
25	D60B25H	6.390	B	1	4 3/4	5 3/4	2 1/8	11.96
26	D60B26	6.630	B	1	5	6	2 1/8	12.70
30	D60B30	7.590	B	1	5 1/2	6 1/2	2 1/8	16.36
32	D60B32	8.070	B	1 1/4	6	7	2 1/8	19.52
35	D60B35	8.780	B	1 1/2	6 1/2	7 1/2	2 1/8	22.80
36	D60B36	9.020	B	1 3/4	7	8	2 1/8	23.82
40	D60B40	9.980	B	2	7 1/2	8 1/2	2 1/8	30.84
42	D60B42	10.460	B	2 1/4	8	9	2 1/8	33.08
45	D60B45	11.180	B	2 1/2	8 1/2	9 1/2	2 1/8	37.08
52	D60B52	12.850	B	3	9 1/2	10 1/2	2 1/8	48.70
60	D60B60	14.760	B	3 1/2	10 1/2	11 1/2	2 1/8	63.10
68	D60C68	16.670	C	4	11 1/2	12 1/2	3	53.68
72	D60C72	17.630	C	4 1/2	12 1/2	13 1/2	3	53.74
76	D60C76	18.580	C	5	13 1/2	14 1/2	3 1/2	60.28
95	D60C95	23.120	C	6 1/2	16 1/2	18 1/2	4 1/2	87.14

NOTE: Double 60 stock sprockets with 25 teeth or less have Hardened teeth.
Maximum bores shown will accommodate standard keyseat and setscrew over keyseat.
Slightly larger bores are possible with no keyseat, shallow keyseat, or setscrew at angle to keyseat.

Triple-Type B&C

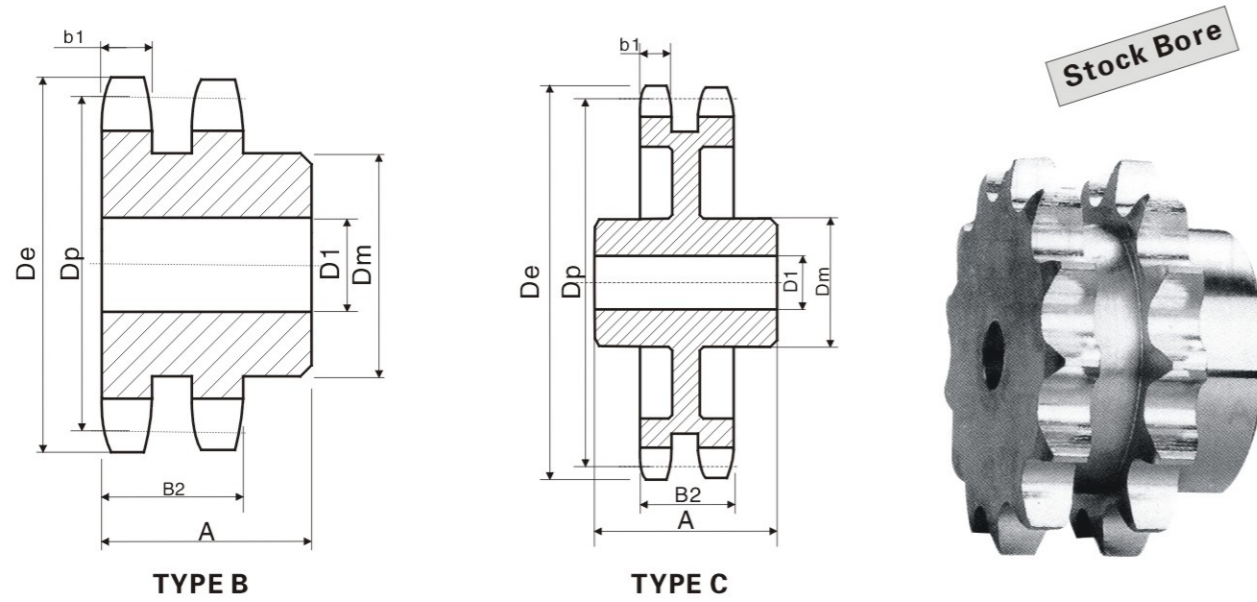
Power Transmission Professional

No. Teeth	Number	De	Type	D1		Dm	A	Weight Lbs. (Approx.)
				Min.	Max.			
11	E60B11H	3.000	B	1	1 1/4	1 3/16	3	2.5
12	E60B12H	3.250	B	1	1 1/2	2 1/8	3	3.3
13	E60B13H	3.490	B	1	1 3/4	2 1/2	3	3.9
14	E60B14H	3.740	B	1	2	3	3	4.5
15	E60B15H	3.980	B	1	2 1/4	3 1/4	3	5.4
16	E60B16H	4.220	B	1	2 1/2	3 1/2	3	6.5
17	E60B17H	4.460	B	1	2 3/4	3 3/4	3	7.7
18	E60B18H	4.700	B	1	3	4	3	8.5
19	E60B19H	4.950	B	1	3 1/4	4 1/4	3	10.0
20	E60B20H	5.190	B	1	3 1/2	4 1/2	3	11.2
21	E60B21H	5.430	B	1	3 3/4	4 3/4	3	12.5
22	E60B22H	5.670	B	1	4	5	3	13.2
23	E60B23H	5.910	B	1	4 1/4	5 1/4	3	14.6
24	E60B24H	6.150	B	1	4 1/2	5 1/2	3	15.8
25	E60B25H	6.390	B	1	4 3/4	5 3/4	3	17.0
26	E60B26	6.630	B	1	5	6	3	18.6
30	E60B30	7.590	B	1	5 1/2	6 1/2	3	23.2
35	E60B35	8.780	B	1 1/4	6 1/2	7 1/2	3 1/4	34.5
36	E60B36	9.020	B	1 1/2	7	8	3 1/4	37.0
42	E60B42	10.460	B	1 3/4	7 1/2	8 1/2	3 3/8	49.0
45	E60B45	11.180	B	2	8	9	3 3/8	57.0
52	E60C52	12.850	C	2 1/4	8 1/2	9 1/2	3 1/2	73.0
60	E60C60	14.760	C	2 1/2	9 1/2	10 1/2	3 1/2	63.0
68	E60C68	16.670	C	3	10 1/2	11 1/2	3 1/2	73.0
72	E60C72	17.630	C	3 1/2	11 1/2	12 1/2	4	85.0
76	E60C76	18.580	C	4	12 1/2	13 1/2	4 1/2	82.0
95	E60C95	23.120	C	5 1/2	16 1/2	18 1/2	5 1/2	105.0

NOTE: Triple 60 stock sprockets with 25 teeth or less have Hardened teeth.
Maximum bores shown will accommodate standard keyseat and setscrew over keyseat.
Slightly larger bores are possible with no keyseat, shallow keyseat, or setscrew at angle to keyseat.

Steel Stock Sprockets American Standard Series NO.100-2

- Pitch 1 1/4"
- Roller Φ 0.750"
- Tooth width b1 0.669"
- Tooth width B2 2.077"



Power Transmission Professional

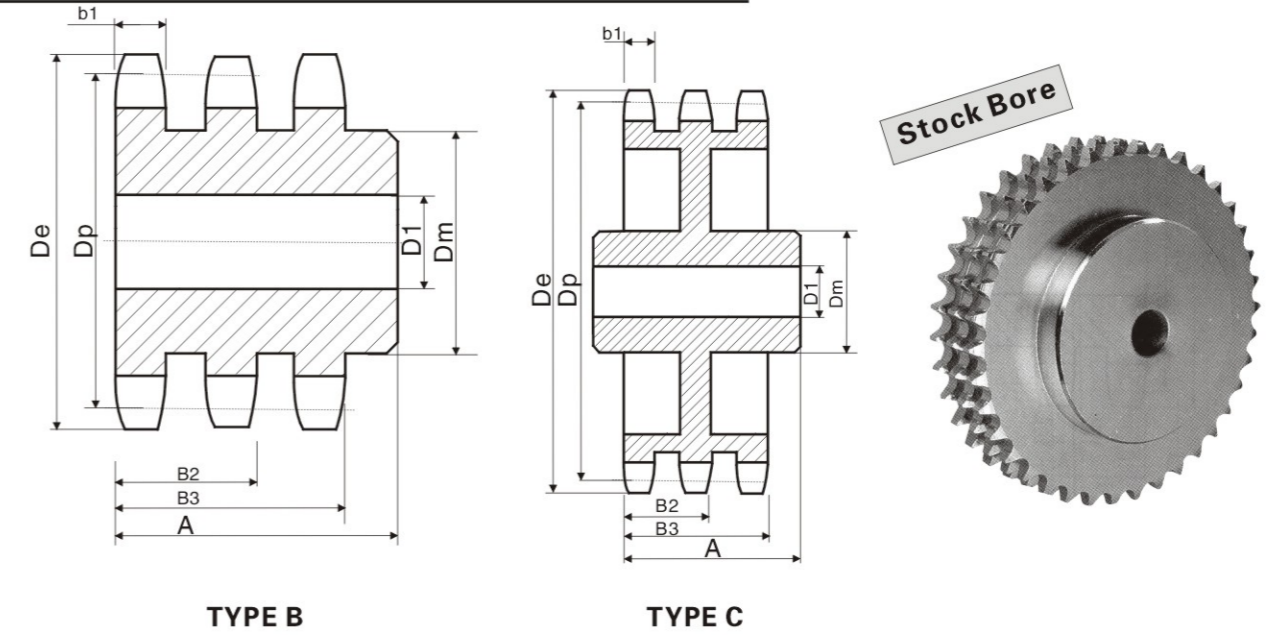
Double-Type B&C

No. Teeth	Number	De	Type	D1		Dm	A	Weight Lbs. (Approx.)
				Min.	Max.			
9	D100B09	4.180	B	1	1 1/8	2 3/8	2 7/8	4.6
10	D100B10	4.600	B	1	1 1/8	2 3/4	2 7/8	6.2
11	D100B11	5.010	B	1	2 1/8	3 1/8	2 7/8	7.9
12	D100B12	5.420	B	1	2 1/4	3 3/8	2 7/8	9.3
13	D100B13	5.820	B	1 1/8	2 1/2	3 11/16	2 7/8	11.4
14	D100B14	6.230	B	1 1/8	2 3/4	4 3/16	2 7/8	13.6
15	D100B15	6.630	B	1 1/4	3 1/8	4 3/8	3 1/8	17.1
16	D100B16	7.030	B	1 1/4	3 3/8	5	3 1/8	20.1
17	D100B17	7.440	B	1 1/4	3 1/2	5 1/4	3 1/8	23.1
18	D100B18	7.840	B	1 1/4	3 3/4	5 3/4	3 1/8	25.4
19	D100B19	8.240	B	1 1/4	3 3/4	5 1/2	3 3/8	29.6
20	D100B20	8.640	B	1 1/4	3 3/4	5 1/2	3 3/8	32.4
21	D100B21	9.040	B	1 1/4	3 3/4	5 1/2	3 3/8	35.3
22	D100B22	9.440	B	1 1/4	3 3/4	5 1/2	3 3/8	38.4
23	D100B23	9.840	B	1 1/4	3 3/4	5 1/2	3 3/8	41.3
24	D100B24	10.250	B	1 1/4	3 3/4	5 1/2	3 3/8	45.1
25	D100B25	10.650	B	1 1/4	3 3/4	5 1/2	3 3/8	48.5
26	D100B26	11.050	B	1 1/2	3 3/4	5 1/2	3 3/8	51.5
30	D100B30	12.640	B	1 1/2	3 3/4	5 1/2	3 3/8	65.0
35	D100C35	14.640	C	1 1/2	3 3/16	6	4 1/4	75.0
45	D100C45	18.630	C	1 1/2	3 3/16	6	4 1/2	103
60	D100C60	24.600	C	1 1/2	5 3/8	7 1/2	5	175
70	D100C70	28.580	C	1 1/2	5 3/8	7 1/2	5	197
80	D100C80	32.570	C	1 1/2	5 3/8	7 1/2	5	231

Maximum bores shown will accommodate standard keyseat and setscrew over keyseat. Slightly larger bores are possible with no keyseat, shallow keyseat, or setscrew at angle to keyseat.

Steel Stock Sprockets American Standard Series NO.100-3

- Pitch 1 1/4"
- Roller Φ 0.750"
- Tooth width b1 0.669"
- Tooth width B2 2.077"
- Tooth width B3 3.485"



Power Transmission Professional

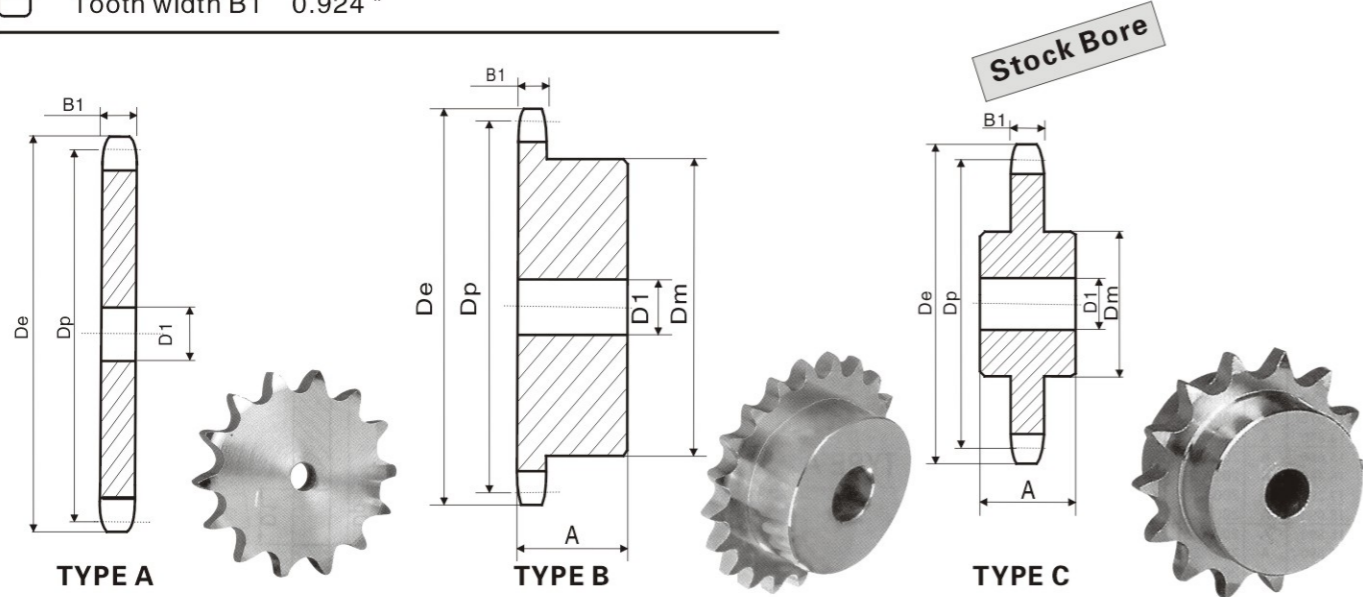
Triple-Type B&C

No. Teeth	Number	De	Type	D1		Dm	A	Weight Lbs. (Approx.)
				Min.	Max.			
11	E100B11	5.010	B	1	2 1/8	3 1/8	4 1/4	11.7
12	E100B12	5.420	B	1 1/8	2 1/4	3 3/8	4 1/4	13.7
13	E100B13	5.820	B	1 1/8	2 1/2	3 3/8	4 1/4	16.9
14	E100B14	6.230	B	1 1/8	2 3/4	4 3/8	4 1/4	20.2
15	E100B15	6.630	B	1 1/4	3 1/8	4 3/8	4 1/2	25.0
16	E100B16	7.030	B	1 1/4	3 3/8	5	4 1/2	29.3
17	E100B17	7.440	B	1 1/4	3 1/2	5 1/4	4 1/2	33.8
18	E100B18	7.840	B	1 1/4	3 3/4	5 1/4	4 1/2	38.6
19	E100B19	8.240	B	1 1/4	3 3/4	5 1/2	4 3/4	43.3
20	E100B20	8.640	B	1 1/4	3 3/4	5 1/2	4 3/4	47.9
21	E100B21	9.040	B	1 1/4	3 3/4	5 1/2	4 3/4	52.3
22	E100B22	9.440	B	1 1/4	3 3/4	5 1/2	4 3/4	57.5
23	E100B23	9.840	B	1 1/4	3 3/4	5 1/2	4 3/4	62.5
24	E100B24	10.250	B	1 1/4	3 3/4	5 1/2	4 3/4	69
25	E100B25	10.650	B	1 1/4	3 3/4	5 1/2	4 3/4	73
26	E100B26	11.050	B	1 1/2	3 3/16	5 1/2	4 3/4	79
30	E100B30	12.640	B	1 1/2	3 3/16	5 1/2	4 3/4	103
35	E100C35	14.640	B	1 1/2	4	6	5	108
45	E100C45	18.630	B	1 1/2	4	6	5	143
60	E100C60	24.600	B	1 1/2	5 3/8	7 1/2	5	217
70	E100C70	28.580	B	1 1/2	5 3/8	7 1/2	5	262
80	E100C80	32.570	B	1 1/2	5 3/8	7 1/2	5	313

Maximum bores shown will accommodate standard keyseat and setscrew over keyseat. Slightly larger bores are possible with no keyseat, shallow keyseat, or setscrew at angle to keyseat.

Steel Stock Sprockets American Standard Series NO.120

- Pitch 1 1/2"
- Tooth width B1 0.924"
- Roller Φ 0.875"



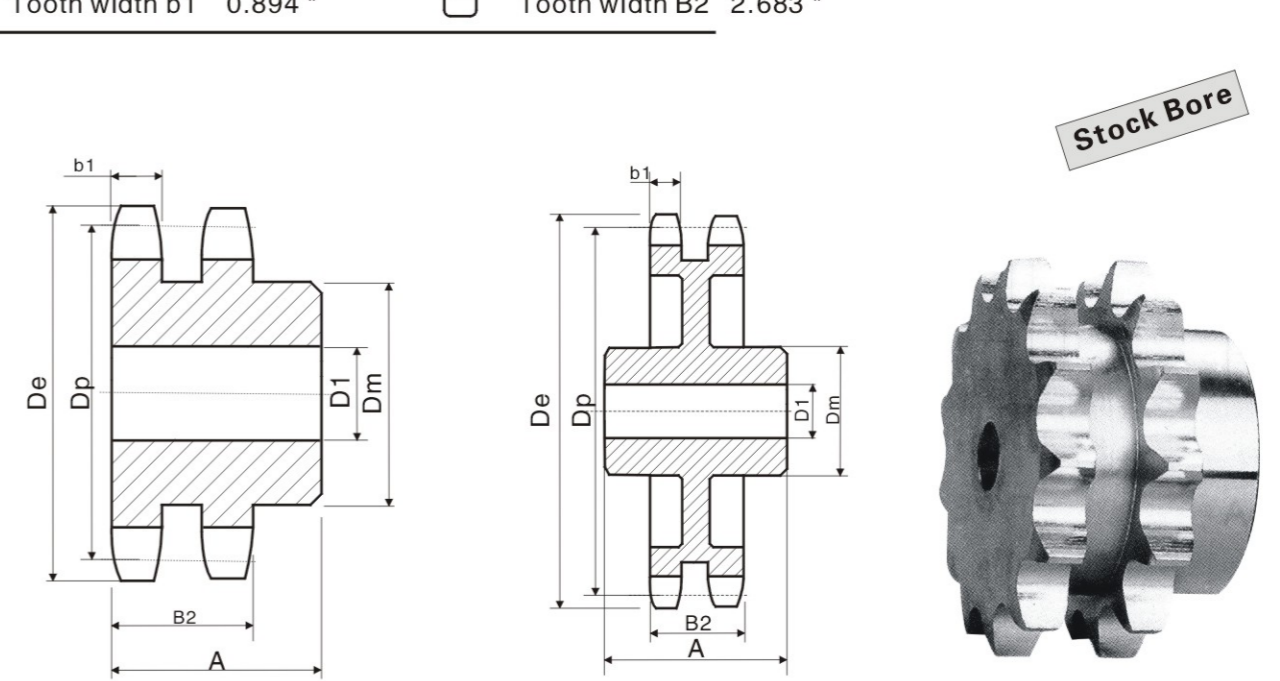
Single-Type A

Single-Type B&C

No. Teeth	De	Type	Number	D1	Weight Lbs. (Approx.)	D1		Dm	A	Weight Lbs. (Approx.)
						Min.	Max.			
8	4.520	A	120A08	1 1/4	2.4			3 3/8*	2 1/4	5.3
9	5.020	A	120A09	1 1/4	3.0			3 3/8*	2 1/4	7.1
10	5.520	A	120A10	1 1/4	3.8			3 3/8*	2 1/4	7.6
11	6.010	A	120A11	1 1/4	4.8			3 3/8*	2 1/4	9.9
12	6.500	A	120A13	1 1/4	5.8			4 1/8	2 1/4	12.4
13	6.990	A	120A14	1 1/4	6.7			4 1/8	2 1/4	14.4
14	7.470	A	120A15	1 1/4	8.0			4 1/8	2 1/4	16.7
15	7.960	A	120A16	1 1/4	9.1			4 1/8	2 1/4	19.9
16	8.440	A	120A17	1 1/4	10.6			5 1/8	2 1/4	20.8
17	8.920	A	120A18	1 1/4	12.6			5 1/8	2 1/4	22.2
18	9.410	A	120A19	1 1/4	13.6			5 1/8	2 1/4	24.8
19	9.890	A	120A20	1 1/4	15.1			5 1/8	2 1/4	25.8
20	10.370	A	120A21	1 1/4	16.9			5 1/8	2 1/4	26.7
21	10.850	A	120A22	1 1/4	18.7			5 1/8	2 1/4	28.2
22	11.330	A	120A23	1 1/4	20.0			5 1/8	2 1/4	30.3
23	11.810	A	120A24	1 1/4	22.1			5 1/8	2 1/4	32.1
24	12.290	A	120A25	1 1/4	24.8			5 1/8	2 1/4	34.6
25	12.770	A	120A26	1 1/4	26.8			5 1/8	2 1/4	40.0
26	13.250	A	120A27	1 1/2	28.3			6	2 1/2	44.9
27	13.730	A	120A28	1 1/2	30.9			6	2 1/2	50.2
28	14.210	A	120A30	1 1/2	33.6			6	2 1/2	56.0
30	15.170	A	120A32	1 1/2	39.0			6	2 1/2	62.4
32	16.130	A	120A33	1 1/2	43.9			6	2 1/2	66.4
33	16.610	A	120A34	1 1/2	48.2			6	2 1/2	92.0
34	17.090	A	120A35	1 1/2	50			6	2 1/2	98.0
35	17.570	A	120A36	1 1/2	52			6	2 1/2	99.2
36	18.050	A	120A40	1 1/2	56			6	2 1/2	113
40	19.960	A	120A42	1 1/2	71			6	2 1/2	133
42	20.920	A	120A45	1 1/2	75			6	2 1/2	160
45	22.350	A	120A48	1 1/2	88			6	2 1/2	206
48	23.790	A	120A54	1 1/2	103			6	2 1/2	254
54	26.650	A	120A60	1 1/2	140			6	2 1/2	
60	29.520	A	120A70	1 1/2	160			7	4	
70	34.300	A	120A80	1 1/2	216			7 1/2	4 1/2	
80	39.080	A	120A90	1 1/2	284			7 1/2	4 1/2	
90	43.850	A		1 1/2	358					

Steel Stock Sprockets American Standard Series NO.120-2

- Pitch 1 1/2"
- Tooth width b1 0.894"
- Roller Φ 0.875"
- Tooth width B2 2.683"



TYPE B

TYPE C

Power Transmission Professional

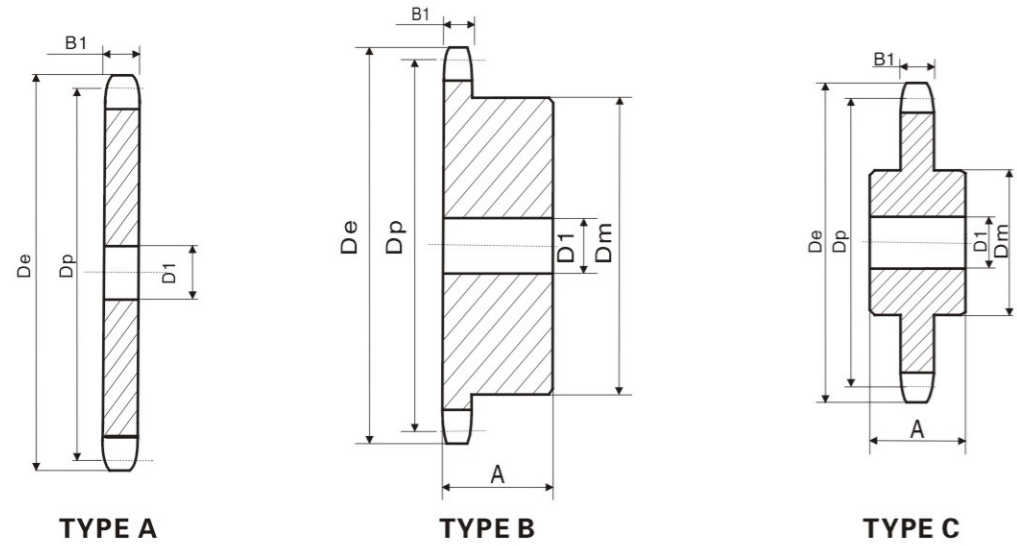
Double-Type B&C

No. Teeth	Number	De	Type	D1		Dm	A	Weight Lbs. (Approx.)
				Min.	Max.			
11	D120B11	6.010	B	1 1/2	2 3/8	3 7/16	3 3/4	13.6
12	D120B12	6.500	B	1 1/2	2 3/4	4 1/16	3 3/4	17.3
13	D120B13	6.990	B	1 1/2	3	4 1/2	3 3/4	21.1
14	D120B14	7.470	B	1 1/2	3 3/16	5	3 3/4	25.6
15	D120B15	7.960	B	1 1/2	3 1/2	5 1/4	3 3/4	29.9
16	D120B16	8.440	B	1 1/2	3 3/2	5 1/4	3 3/4	33.8
17	D120B17	8.920	B	1 1/2	3 3/2	5 1/4	3 3/4	36.9
18	D120B18	9.410	B	1 1/2	3 3/2	5 1/4	3 3/4	41.9
19	D120B19	9.890	B	1 1/2	3 3/2	5 1/4	3 3/4	46.5
20	D120B20	10.370	B	1 1/2	3 3/2	5 1/2	3 3/4	50.2
21	D120B21	10.850	B	1 1/2	3 3/2	5 1/2	3 3/4	55.6
22	D120B22	11.330	B	1 1/2	3 3/16	5 3/4	4	64.0
23	D120B23	11.810	B	1 1/2	4 1/2	6 1/2	4	75.0
24	D120B24	12.290	B	1 1/2	4 1/2	6 1/2	4	79.0
25	D120B25	12.770	B	1 1/2	4 1/2	6 1/2	4	84.0
26	D120B26	13.250	B	1 1/2	4 1/2	6 1/2	4	90.0
30	D120B30	15.170	B	1 1/2	4 1/2	6 1/2	4	119
35	D120B35	17.570	C	1 1/2	5 3/8	7 1/2	6	148
45	D120B45	22.350	C	1 1/2	5 3/8	7 1/2	6	188
60	D120B60	29.520	C	1 1/2	6 3/8	9 1/2	6 1/4	307

Maximum bores shown will accommodate standard keyseat and setscrew over keyseat. Slightly larger bores are possible with no keyseat, shallow keyseat, or setscrew at angle to keyseat.

Steel Stock Sprockets American Standard Series NO.140

- Pitch 1 3/4"
- Tooth width b1 0.924"
- Roller Φ 1.000"



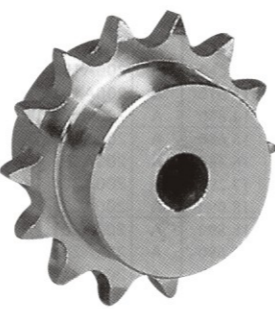
Stock Bore

Power Transmission Professional

Single-Type A

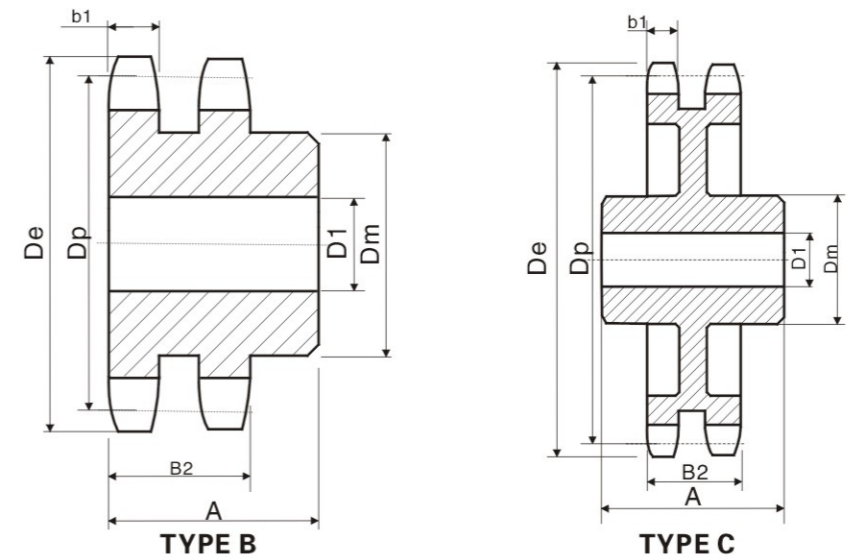
Single-Type B&C

No. Teeth	De	Type	Number	D1	Weight Lbs. (Approx.)	Number	Type	D1		Dm	A	Weight Lbs. (Approx.)
								Min.	Max.			
11	7.010	A	140A11	1 1/2	5.0	140B11	B	1 1/2	2 1/4	4 1/2	2 1/4	11.3
12	7.580	A	140A12	1 1/2	7.8	140B12	B	1 1/2	3	4 1/2	2 1/4	13.2
13	8.150	A	140A13	1 1/2	8.2	140B13	B	1 1/2	3 3/4	5 1/2	2 3/8	18.9
14	8.720	A	140A14	1 1/2	10.0	140B14	B	1 1/2	3 3/4	5 1/2	2 3/8	20.4
15	9.280	A	140A15	1 1/2	11.0	140B15	B	1 1/2	4 1/4	6 1/4	2 3/8	25.1
16	9.850	A	140A16	1 1/2	14.0	140B16	B	1 1/2	4 1/4	6 1/4	2 1/2	27.9
17	10.410	A	140A17	1 1/2	16.0	140B17	B	1 1/2	4 1/4	6 1/4	2 1/2	29.8
18	10.980	A	140A18	1 1/2	18.0	140B18	B	1 1/2	4 1/4	6 1/4	2 1/2	32.0
19	11.540	A	140A19	1 1/2	21.0	140B19	B	1 1/2	4 1/4	6 1/4	2 1/2	34.1
20	12.100	A	140A20	1 1/2	23.0	140B20	B	1 1/2	4 1/4	6 1/4	2 1/2	36.0
21	12.660	A	140A21	1 1/2	25.0	140B21	B	1 1/2	4 1/4	6 1/4	2 1/2	38.7
22	13.220	A	140A22	1 1/2	28.0	140B22	B	1 1/2	4 1/4	6 1/4	2 1/2	40.6
23	13.780	A	140A23	1 1/2	30.0	140B23	B	1 1/2	4 1/4	6 1/4	2 1/2	42.1
24	14.340	A	140A24	1 1/2	33.0	140B24	B	1 1/2	4 1/4	6 1/4	2 1/2	46.2
25	14.900	A	140A25	1 1/2	34.0	140B25	B	1 1/2	4 1/4	6 1/4	2 1/2	47.8
26	15.460	A	140A26	1 1/2	39.0	140B26	B	1 1/2	4 1/4	6 1/4	3	57.2
27	16.020	A	140A27	1 1/2	41.0	140B27	B	1 1/2	4 1/4	6 1/4	3	58.5
28	16.580	A	140A28	1 1/2	45.0	140B28	B	1 1/2	4 1/4	6 1/4	3	62.2
30	17.700	A	140A30	1 1/2	52.0	140B30	B	1 1/2	4 1/4	6 1/4	3	69.8
31	18.260	A	140A31	1 1/2	56.0							
32	18.820	A	140A32	1 1/2	60.0	140B32	B	1 1/2	4 1/4	6 1/4	3	76.3
35	20.490	A	140A35	1 1/2	73.0	140C35	C	1 1/2	5 1/4	7	4	108
36	21.050	A	140A36	1 1/2	77.0							
40	23.290	A	140A40	1 1/2	93.0	140C40	C	1 1/2	5 1/4	7	4	121
45	26.080	A	140A45	1 1/2	131	140C45	C	1 1/2	5 1/4	7	4	142
48	27.750	A	140A48	1 1/2	134	140C48	C	1 1/2	5 1/4	7	4	150
54	31.100	A	140A54	1 1/2	173	140C54	C	1 1/2	5 1/4	7	4	177
60	34.440	A	140A60	1 1/2	219	140C60	C	1 1/2	5 1/4	7	5	220
70	40.020	A	140A70	1 1/2	292	140C70	C	1 1/2	5 3/8	7 1/2	5	282
80	45.590	A	140A80	1 1/2	402	140C80	C	1 1/2	5 3/8	7 1/2	5	331



Steel Stock Sprockets American Standard Series NO.140-2

- Pitch 1 3/4"
- Tooth width b1 0.894"
- Roller Φ 1.000"
- Tooth width B2 2.818"



Stock Bore

Power Transmission Professional

Double-Type B&C

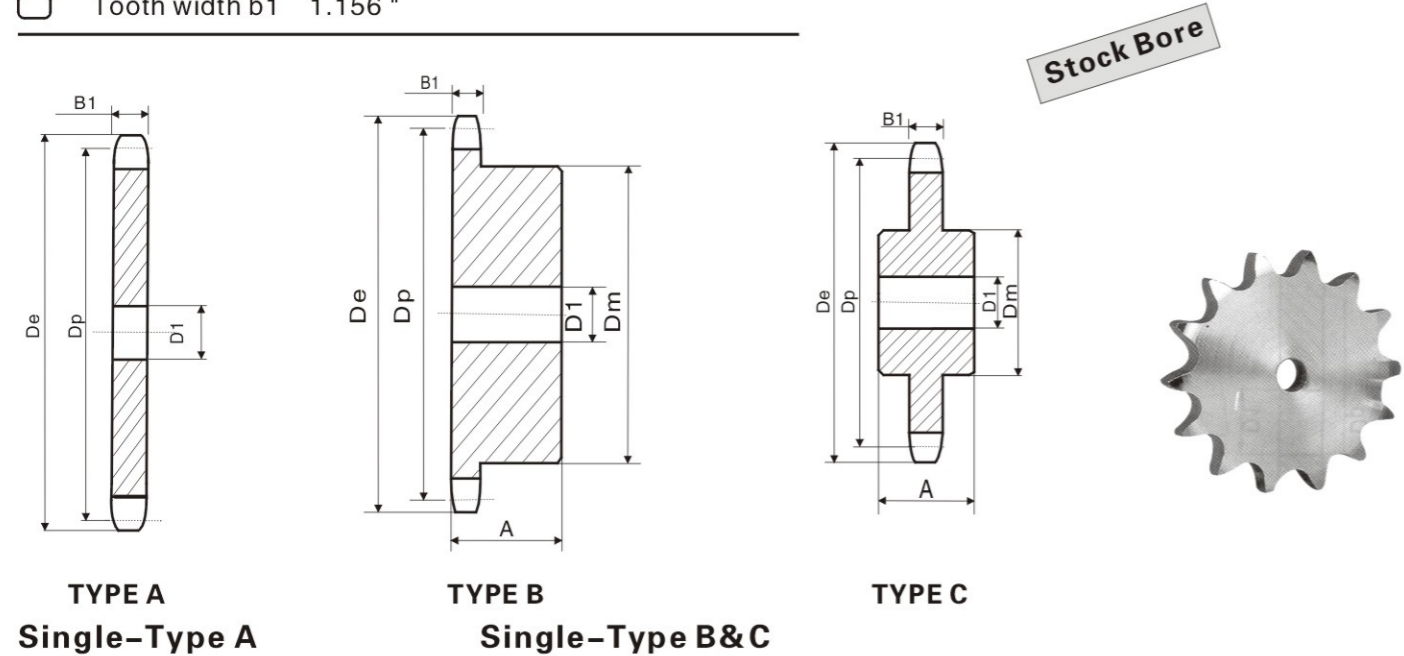
No. Teeth	Number	De	Type	D1		Dm	A	Weight Lbs. (Approx.)
				Min.	Max.			
13	D140B13	8.150	B	1 5/8	3 3/8	5	3 3/4	29
14	D140B14	8.720	B	1 5/8	3 3/8	5 1/2	3 3/4	34.8
15	D140B15	9.280	B	1 5/8	4 1/2	6 1/2	3 3/4	42.5
16	D140B16	9.850	B	1 5/8	5 1/4	7	4	48.1
17	D140B17	10.410	B	1 5/8	5 1/4	7	4	57.5
18	D140B18	10.980	B	1 5/8	5 1/4	7	4	65.6
19	D140B19	11.540	B	1 5/8	5 1/4	7	4	72.0
20	D140B20	12.100	B	1 5/8	5 1/4	7	4	76.0
21	D140B21	12.660	B	1 5/8	5 1/4	7	4	82.0
22	D140B22	13.220	B	1 5/8	5 1/4	7	4	94.0
23	D140B23	13.780	B	1 5/8	5 1/4	7	4	100
24	D140B24	14.340	B	1 5/8	5 1/4	7	4	104
25	D140B25	14.900	B	1 5/8	5 1/4	7	4	120
26	D140B26	15.460	B	1 5/8	5 1/4	7	4	128
35	D140C35	20.490	C	1 1/2	5 3/8	7 1/2	6	180
45	D140C45	26.080	C	1 1/2	5 3/8	7 1/2	6	232
60	D140C60	34.440	C	1 1/2	6 3/8	9 1/2	6 1/4	372

Maximum bores shown will accommodate standard keyseat and setscrew over keyseat.
Slightly larger bores are possible with no keyseat, shallow keyseat, or setscrew at angle to keyseat.

Maximum bores shown will accommodate standard keyseat and setscrew over keyseat.
Slightly larger bores are possible with no keyseat, shallow keyseat, or setscrew at angle to keyseat.

Steel Stock Sprockets American Standard Series NO.160

- Pitch 2 "
- Roller Φ 1.125 "
- Tooth width b1 1.156 "



No. Teeth	De	Type	Number	D1	Weight Lbs. (Approx.)	D1		Dm	A	Weight Lbs. (Approx.)		
						Min.	Max.					
8	6.030	A	160A08	1½	5.0	160B08	B	1½	1¾	3¼	2¼	8.0
9	6.700	A	160A09	1½	7.0	160B09	B	1½	2¼	3⅝	2¼	10.0
10	7.360	A	160A10	1½	8.0	160B10	B	1½	2¼	4¼	2¼	12.0
11	8.010	A	160A11	1½	10.0	160B11	B	1½	3¼	4¾	2¼	17.0
12	8.660	A	160A12	1½	12.0	160B12	B	1½	3¼	5½	2½	21.0
13	9.310	A	160A13	1½	16.0	160B13	B	1½	4	6	2¼	28.0
14	9.960	A	160A14	1½	17.0	160B14	B	1½	4¼	6½	2¼	32.0
15	10.610	A	160A15	1½	21.0	160B15	B	1½	5¼	7	2¼	37.0
16	11.260	A	160A16	1½	24.0	160B16	B	1½	5¼	7	2¼	41.0
17	11.900	A	160A17	1½	27.0	160B17	B	1½	5¼	7	2¼	45.0
18	12.540	A	160A18	1½	30.0	160B18	B	1½	5¼	7	2¼	48.0
19	13.190	A	160A19	1½	34.0	160B19	B	1½	5¼	7	2¼	52.0
20	13.830	A	160A20	1½	38.0	160B20	B	1½	5¼	7	2¼	56.0
21	14.470	A	160A21	1½	42.0	160B21	B	1½	5¼	7	2¼	59.0
22	15.110	A	160A22	1½	46.0	160B22	B	1½	5¼	7	2¼	65.0
23	15.750	A	160A23	1½	50.0	160B23	B	1½	5¼	7	2¼	68.0
24	16.390	A	160A24	1½	56.0	160B24	B	1½	5¼	7	3	77.0
25	17.030	A	160A25	1½	61.0	160B25	B	1½	5¼	7	3	81.0
26	17.670	A	160A26	1½	65.0	160B26	B	1½	5¼	7	3	86.0
27	18.310	A	160A27	1½	71.0	160B27	B	1½	5¼	7	3	91.0
28	18.950	A	160A28	1½	77.0	160B28	B	1½	5¼	7	3	98.0
30	20.230	A	160A30	1½	90.0	160B30	B	1½	5¼	7	3	108
35	23.420	A	160A35	1½	121	160C35	C	1½	5½	8	4½	154
40	26.610	A	160A40	1½	138	160C40	C	1½	5½	8	4½	196
45	29.800	A	160A45	1½	204	160C45	C	1½	5½	8	5	234
54	35.540	A	160A54	1½	294	160C54	C	1½	5½	8	5	276
60	39.360	A	160A60	1½	366	160C60	C	1½	5½	8	5	329
70	45.730	A	160A70	1½	507	160C70	C	1½	5½	8	5	446
80	52.100	A	160A80	1½	656	160C80	C	1½	5½	8	6	612

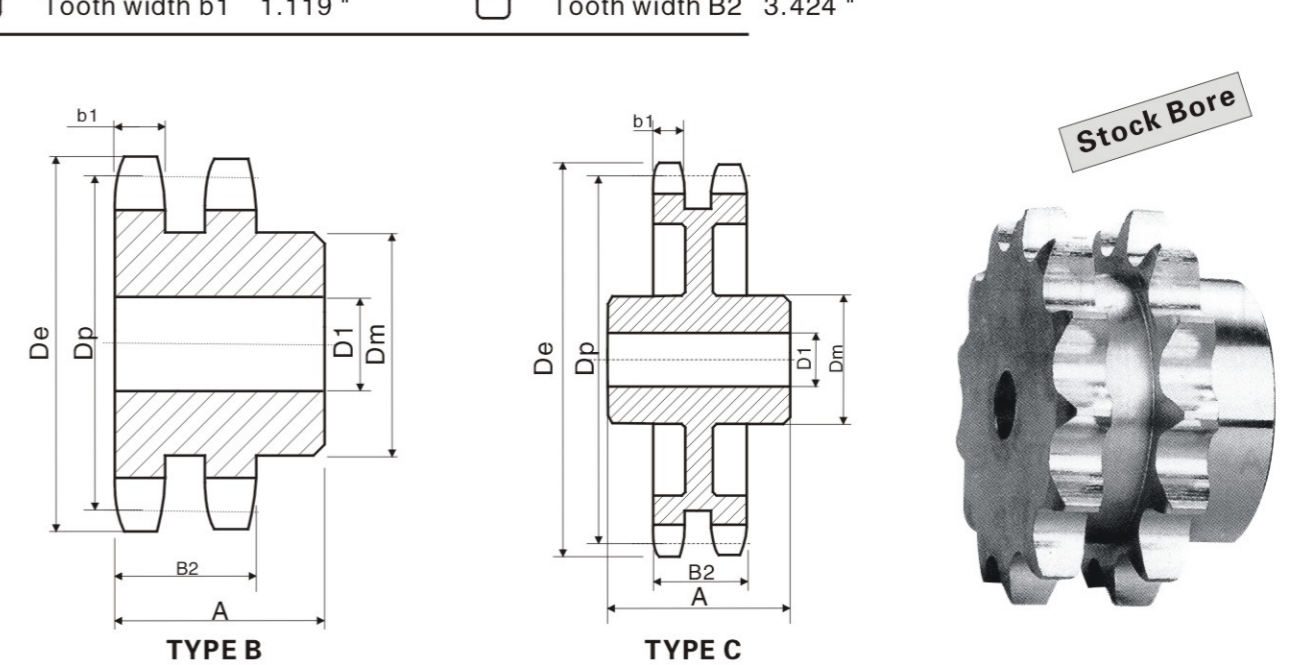
Single-Type B&C

No. Teeth	SZS Number	De	D1		Dm	A	Weight Lbs. (Approx.)
			Min.	Max.			
11	160C11	8.010	1½	3¼	4½	4⅝	21
12	160C12	8.660	1½	3¼	5½	4%	26

Maximum bores shown will accommodate standard keyseat and setscrew over keyseat. Slightly larger bores are possible with no keyseat, shallow keyseat, or setscrew at angle to keyseat.

Steel Stock Sprockets American Standard Series NO.160-2

- Pitch 2 "
- Roller Φ 1.125 "
- Tooth width b1 1.119 "
- Tooth width B2 3.424 "



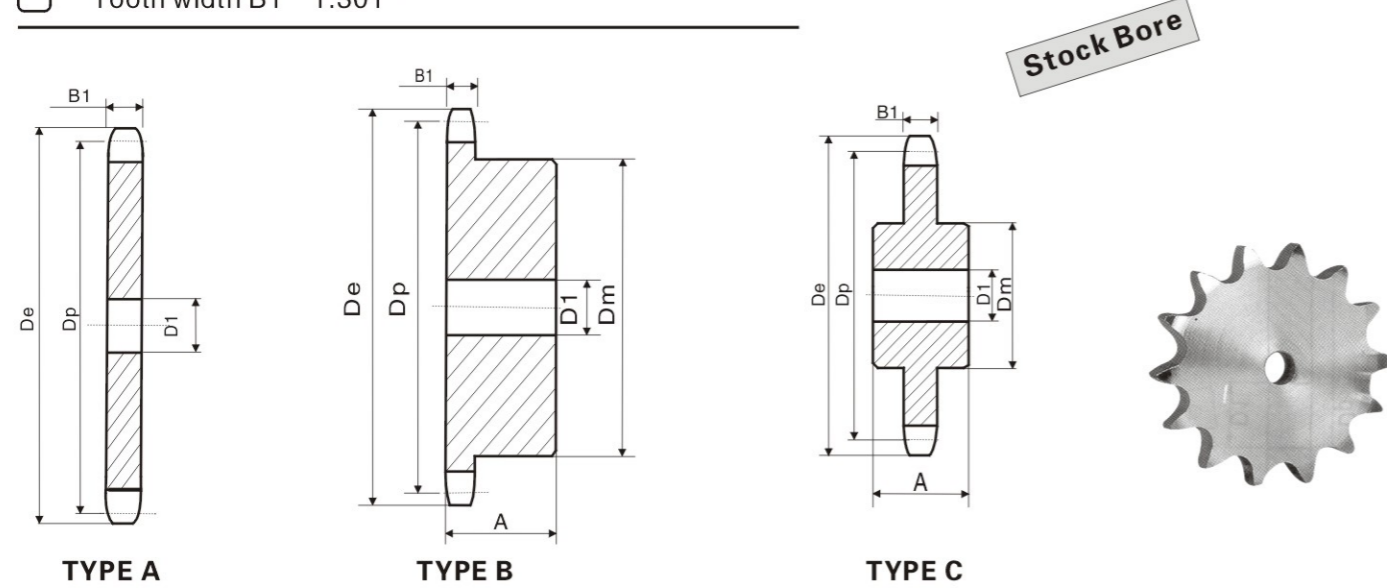
Double-Type B&C

No. Teeth	Number	De	Type	D1		Dm	A	Weight Lbs. (Approx.)
				Min.	Max.			
13	D160B13	9.310	B	2	4	6	4¾	48
14	D160B14	9.960	B	2	4¾	6¾	4¾	58
15	D160B15	10.610	B	2	5¼	7	4¾	68
16	D160B16	11.260	B	2	5¼	7	4¾	75
17	D160B17	11.900	B	2	5¼	7	4¾	91
18	D160B18	12.540	B	2	5¼	7	4¾	96
19	D160B19	13.190	B	2	5¼	7	4¾	107
20	D160B20	13.830	B	2	5¼	7	4¾	119
21	D160B21	14.470	B	2	5⅝	7½	4¾	130
22	D160B22	15.110	B	2	5⅝	7½	4¾	141
23	D160B23	15.750	B	2	5⅝	7½	4¾	157
24	D160B24	16.390	B	2	5⅝	7½	4¾	171
25	D160B25	17.030	B	2	5⅝	7½	4¾	187
26	D160B26	17.670	B	2	5⅝	7½	4¾	201
35	D160C35	23.420	C	1½	6¾	9½	6⅝	306
45	D160C45	29.800	C	1½	7	10	7⅝	431
60	D160C60	39.360	C	1½	7	10	7⅝	564

Maximum bores shown will accommodate standard keyseat and setscrew over keyseat. Slightly larger bores are possible with no keyseat, shallow keyseat, or setscrew at angle to keyseat.

Steel Stock Sprockets American Standard Series NO.180

- Pitch $2\frac{1}{4}$ "
- Roller Φ 1.406"
- Tooth width B1 1.301"



Power Transmission Professional

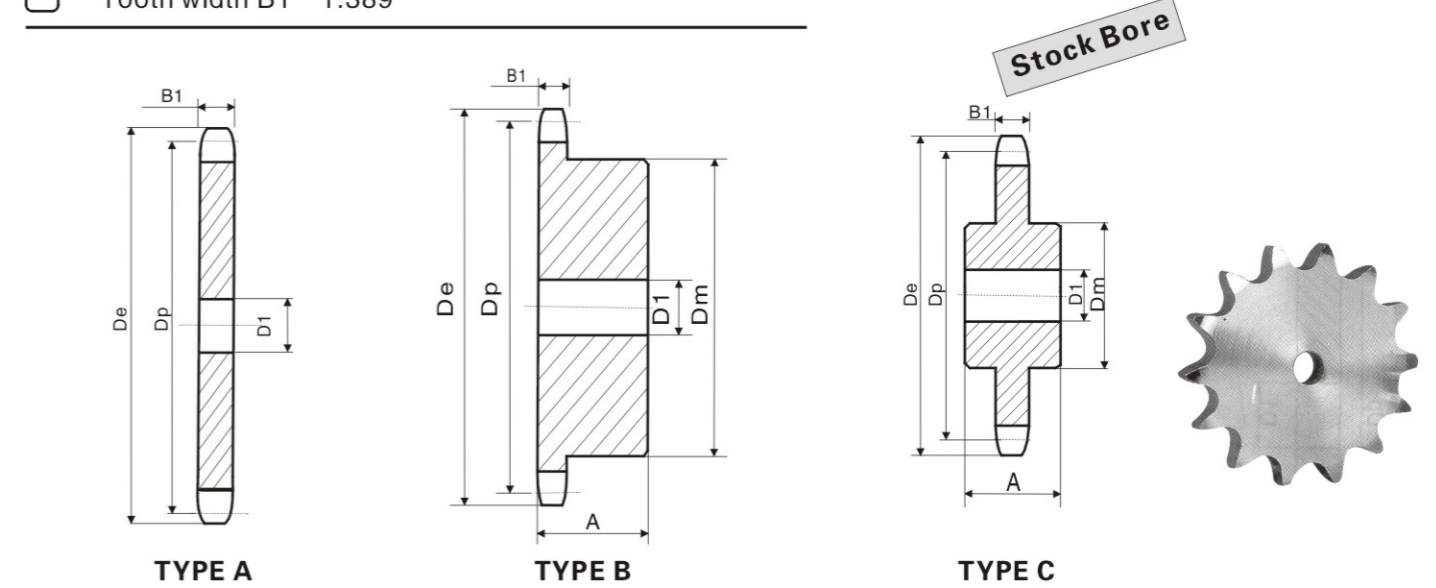
Single-Type A

Single-Type B&C

No. Teeth	De	Type	Number	D1	Weight Lbs. (Approx.)	Number	Type	D1		Dm	A	Weight Lbs. (Approx.)
								Min.	Max.			
11	9.010	A	180A11	1½	14	180B11	B	1½	3⅝	5½	3	29
12	9.750	A	180A12	1½	16	180B12	B	1½	4	6	3	32
13	10.480	A	180A13	1½	20	180B13	B	1½	4⅝	6¼	3⅝	40
14	11.210	A	180A14	1½	24	180B14	B	1½	5¼	7	3⅝	44
15	11.930	A	180A15	1½	28	180B15	B	1½	5¼	7	3⅝	48
16	12.660	A	180A16	1½	32	180B16	B	1½	5¼	7	3⅝	52
17	13.390	A	180A17	1½	37	180B17	B	1½	5¼	7	3⅝	58
18	14.110	A	180A18	1½	43	180B18	B	1½	5¼	7	3⅝	63
19	14.830	A	180A19	1½	47	180B19	B	1½	5⅝	7½	3⅝	74
20	15.560	A	180A20	1½	53	180B20	B	1½	5⅝	7½	3⅝	81
21	16.280	A	180A21	1½	57	180B21	B	1½	5⅝	7½	3⅝	83
22	17.000	A	180A22	1½	62	180B22	B	1½	5⅝	7½	3⅝	92
23	17.720	A	180A23	1½	69	180B23	B	1½	5⅝	7½	3⅝	99
24	18.440	A	180A24	1½	77	180B24	B	1½	5⅝	7½	3⅝	105
25	19.160	A	180A25	1½	84	180B25	B	1½	5⅝	7½	3⅝	113
28	21.320	A	180A28	1½	104	180B28	B	1½	5½	8	3½	135
30	22.760	A	180A30	1½	120	180C30	C	1½	5¼	8½	4⅝	180
35	26.350	A	180A35	1½	172	180C35	C	1½	5¼	8½	4⅝	222
40	29.940	A	180A40	1½	229	180C40	C	1½	5¼	8½	4⅝	270
45	33.530	A	180A45	1½	284	180C45	C	1½	6	9	5	315
54	39.980	A	180A54	1½	420	180C54	C	1½	6	9	5	477
60	44.280	A	180A60	1½	505	180C60	C	1½	6½	9½	5⅝	489

Steel Stock Sprockets American Standard Series NO.200

- Pitch $2\frac{1}{2}$ "
- Roller Φ 1.562"
- Tooth width B1 1.389"



Power Transmission Professional

Single-Type A

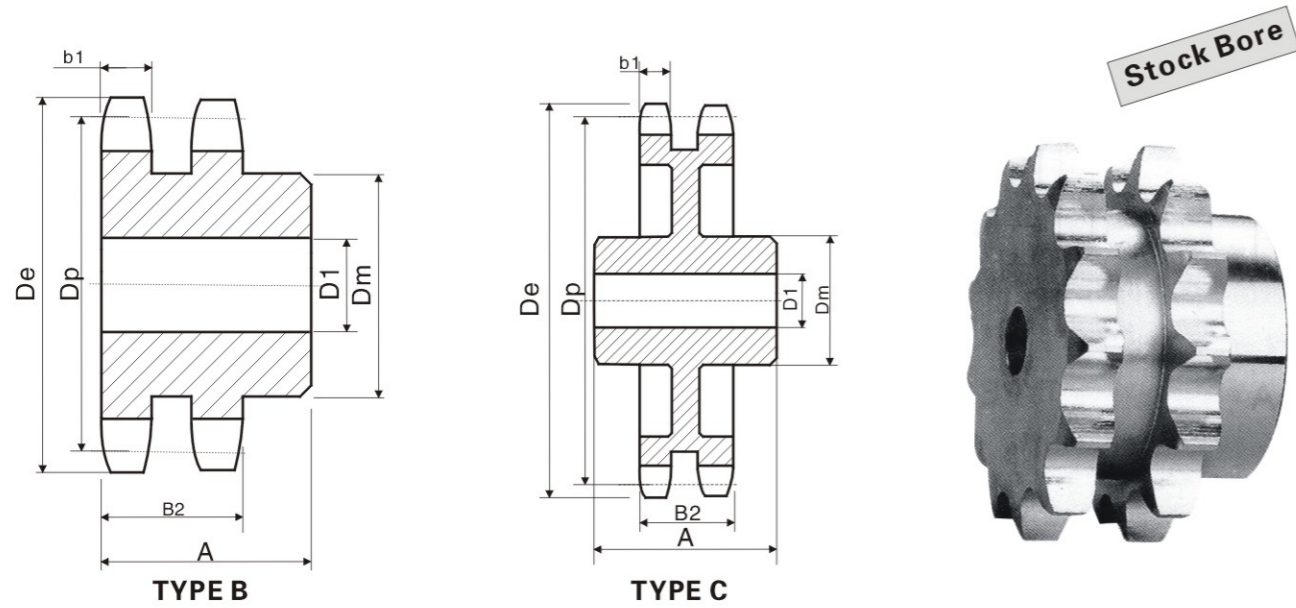
Single-Type B&C

No. Teeth	De	Type	Number	D1	Weight Lbs. (Approx.)	Number	Type	D1		Dm	A	Weight Lbs. (Approx.)
								Min.	Max.			
10	9.200	A	200A10	1½	16	200B10	B	1½	3¾	5½	3	26
11	10.020	A	200A11	1½	20	200B11	B	1½	4	6	3	33
12	10.830	A	200A12	1½	24	200B12	B	1½	4½	6½	3	37
13	11.640	A	200A13	1½	30	200B13	B	1½	5¼	7	3	46
14	12.460	A	200A14	1½	32	200B14	B	1½	5⅝	7½	3½	59
15	13.260	A	200A15	1½	40	200B15	B	1½	5⅝	7½	3½	64
16	14.070	A	200A16	1½	46	200B16	B	1½	5⅝	7½	3½	72
17	14.870	A	200A17	1½	51	200B17	B	1½	5⅝	7½	3½	76
18	15.680	A	200A18	1½	57	200B18	B	1½	5⅝	7½	3½	84
19	16.480	A	200A19	1½	65	200B19	B	1½	5⅝	7½	3½	91
20	17.290	A	200A20	1½	72	200B20	B	1½	5⅝	7½	3½	98
21	18.090	A	200A21	1½	82	200B21	B	1½	5⅝	7½	3½	106
22	18.890	A	200A22	1½	88	200B22	B	1½	5¼	8½	4	131
23	19.690	A	200A23	1½	95	200B23	B	1½	5¼	8½	4	136
24	20.490	A	200A24	1½	105	200B24	B	1½	5¼	8½	4	142
25	21.290	A	200A25	1½	113	200B25	B	1½	5¼	8½	4	153
26	22.090	A	200A26	1½	124	200C26	C	1½	5¼	8½	4½	178
28	23.690	A	200A28	1½	144	200C28	C	1½	5¼	8½	4½	195
30	25.290	A	200A30	1½	167	200C30	C	1½	5¼	8½	4½	212
32	26.880	A	200A32	1½	195	200C32	C	1½	5¼	8½	4½	220
35	29.280	A	200A35	1½	227	200C35	C	1½	5¼	8½	4½	254
40	33.270	A	200A40	1½	301	200C40	C	1½	6	9	5	320
45	37.250	A	200A45	1½	390	200C45	C	1½	6	9	5	364
54	44.420	A	200A54	1½	555	200C54	C	1½	6½	9½	5½	512
60	49.200	A	200A60	1½	692	200C60	C	1½	6½	9½	5½	654

Maximum bores shown will accommodate standard keyseat and setscrew over keyseat. Slightly larger bores are possible with no keyseat, shallow keyseat, or setscrew at angle to keyseat.

Steel Stock Sprockets American Standard Series NO.200-2

- Pitch $2\frac{1}{2}$ "
- Tooth width b1 1.344"
- Roller Φ 1.562"
- Tooth width B2 4.161"



Power Transmission Professional

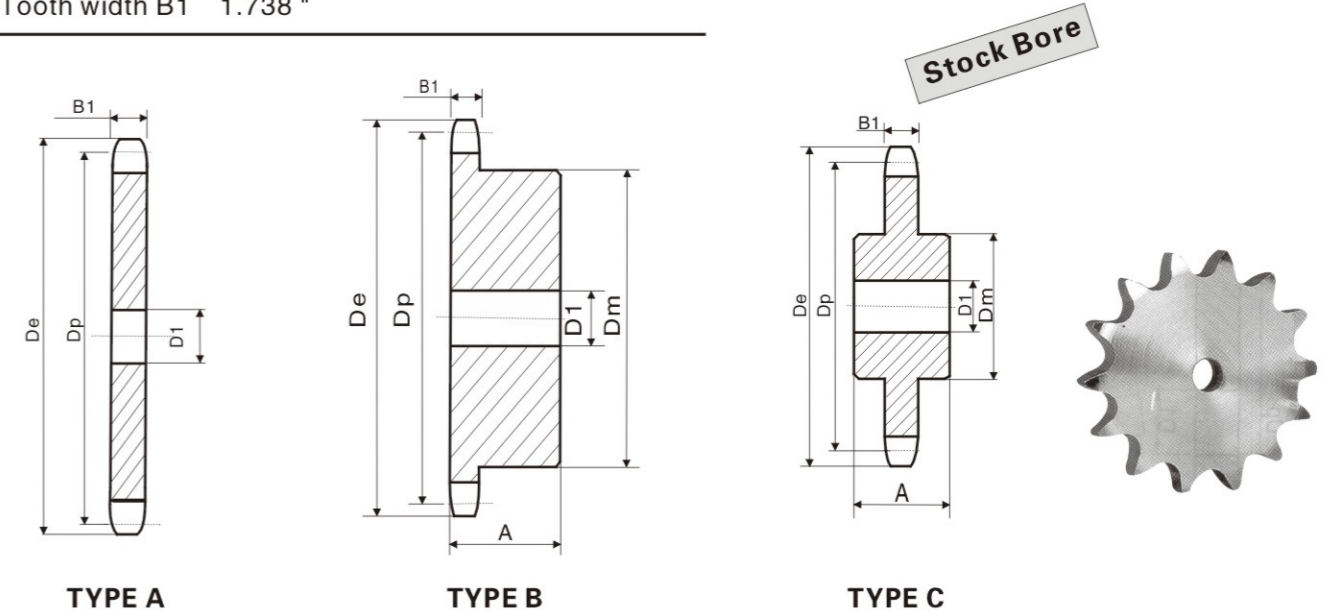
Double-Type B&C

No. Teeth	Number	De	Type	D1		Dm	A	Weight Lbs. (Approx.)
				Min.	Max.			
11	D200B11	10.020	B	2	$3\frac{3}{4}$	$5\frac{1}{2}$	$5\frac{7}{8}$	57
12	D200B12	10.830	B	2	$4\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{4}$	80
13	D200B13	11.640	B	2	$5\frac{1}{4}$	7	$6\frac{3}{8}$	96
14	D200B14	12.460	B	2	$5\frac{1}{2}$	8	$6\frac{3}{8}$	119
15	D200B15	13.260	B	2	$5\frac{3}{4}$	$8\frac{1}{2}$	$6\frac{3}{8}$	138
16	D200B16	14.070	B	2	$5\frac{3}{4}$	$8\frac{1}{2}$	$6\frac{3}{8}$	161
17	D200B17	14.870	B	2	$5\frac{3}{4}$	$8\frac{1}{2}$	$6\frac{3}{8}$	178
18	D200B18	15.680	B	2	$5\frac{3}{4}$	$8\frac{1}{2}$	$6\frac{3}{8}$	196
19	D200B19	16.480	B	2	$5\frac{3}{4}$	$8\frac{1}{2}$	$6\frac{3}{8}$	217
20	D200B20	17.290	B	2	$5\frac{3}{4}$	$8\frac{1}{2}$	$6\frac{3}{8}$	236
21	D200B21	18.090	B	2	$5\frac{3}{4}$	$8\frac{1}{2}$	$6\frac{3}{8}$	250
22	D200B22	18.890	B	2	$5\frac{3}{4}$	$8\frac{1}{2}$	$6\frac{3}{8}$	284
23	D200B23	19.690	B	2	$5\frac{3}{4}$	$8\frac{1}{2}$	$6\frac{3}{8}$	308
24	D200B24	20.490	B	2	$5\frac{3}{4}$	$8\frac{1}{2}$	$6\frac{3}{8}$	330
25	D200B25	21.290	B	2	$5\frac{3}{4}$	$8\frac{1}{2}$	$6\frac{3}{8}$	358
26	D200B26	22.090	B	2	$5\frac{3}{4}$	$8\frac{1}{2}$	$6\frac{3}{8}$	386
45	D200C45	37.250	C	$1\frac{1}{2}$	7	10	$8\frac{1}{2}$	665
60	D200C60	49.200	C	$1\frac{1}{2}$	7	10	9	972

Maximum bores shown will accommodate standard keyseat and setscrew over keyseat.
Slightly larger bores are possible with no keyseat, shallow keyseat, or setscrew at angle to keyseat.

Steel Stock Sprockets American Standard Series NO.240

- Pitch 3"
- Tooth width B1 1.738"
- Roller Φ 1.875"



Power Transmission Professional

Single-Type A

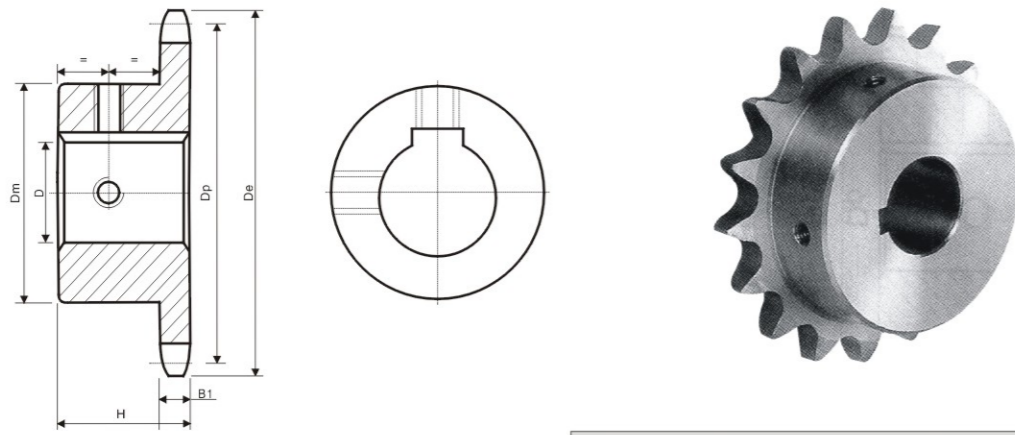
No. Teeth	De	Type	Number	D1	Weight Lbs. (Approx.)
11	12.020	A	204A11	$1\frac{1}{2}$	37
12	13.000	A	204A12	$1\frac{1}{2}$	45
13	13.970	A	204A13	$1\frac{1}{2}$	54
14	14.940	A	204A14	$1\frac{1}{2}$	62
15	15.910	A	204A15	$1\frac{1}{2}$	68
16	16.880	A	204A16	$1\frac{1}{2}$	82
17	17.850	A	204A17	$1\frac{1}{2}$	93
18	18.810	A	204A18	$1\frac{1}{2}$	108
19	19.780	A	204A19	$1\frac{1}{2}$	120
20	20.740	A	204A20	$1\frac{1}{2}$	128
21	21.710	A	204A21	$1\frac{1}{2}$	148
25	25.550	A	204A25	$1\frac{1}{2}$	208
30	30.340	A	204A30	$1\frac{1}{2}$	310
35	35.130	A	204A35	$1\frac{1}{2}$	416
40	39.920	A	204A40	$1\frac{1}{2}$	548
45	44.700	A	204A45	$1\frac{1}{2}$	702
54	53.310	A	204A54	$1\frac{1}{2}$	1022
60	59.040	A	204A60	$1\frac{1}{2}$	1268

Single-Type B&C

No. Teeth	De	Type	Number	D1	Weight Lbs. (Approx.)	Number	Type	D1		Dm	A	Weight Lbs. (Approx.)
								Min.	Max.			
10	11.030	A	204A10	$1\frac{1}{2}$	30	204B10	B	$1\frac{1}{2}$	$4\frac{1}{2}$	$6\frac{1}{2}$	$3\frac{3}{8}$	49
11	12.020	A	204A11	$1\frac{1}{2}$	37	204B11	B	$1\frac{1}{2}$	$4\frac{3}{4}$	7	$3\frac{7}{8}$	66
12	13.000	A	204A12	$1\frac{1}{2}$	45	204B12	B	$1\frac{1}{2}$	$5\frac{3}{8}$	$7\frac{1}{2}$	$3\frac{7}{8}$	72
13	13.970	A	204A13	$1\frac{1}{2}$	54	204B13	B	$1\frac{1}{2}$	$5\frac{3}{8}$	$7\frac{1}{2}$	$3\frac{7}{8}$	81
14	14.940	A	204A14	$1\frac{1}{2}$	62	204B14	B	$1\frac{1}{2}$	$5\frac{3}{8}$	$7\frac{1}{2}$	$3\frac{7}{8}$	88
15	15.910	A	204A15	$1\frac{1}{2}$	68	204B15	B	$1\frac{1}{2}$	$5\frac{3}{8}$	$7\frac{1}{2}$	$3\frac{7}{8}$	98
16	16.880	A	204A16	$1\frac{1}{2}$	82	204B16	B	$1\frac{1}{2}$	$5\frac{1}{2}$	8	$4\frac{1}{8}$	120
17	17.850	A	204A17	$1\frac{1}{2}$	93	204B17	B	$1\frac{1}{2}$	$5\frac{1}{2}$	8	$4\frac{1}{8}$	137
18	18.810	A	204A18	$1\frac{1}{2}$	108	204B18	B	$1\frac{1}{2}$	$5\frac{1}{2}$	8	$4\frac{1}{8}$	142
19	19.780	A	204A19	$1\frac{1}{2}$	120	204B19	B	$1\frac{1}{2}$	$5\frac{1}{2}$	8	$4\frac{1}{8}$	154
20	20.740	A	204A20	$1\frac{1}{2}$	128	204B20	B	$1\frac{1}{2}$	$5\frac{1}{2}$	8	$4\frac{1}{8}$	169
21	21.710	A	204A21	$1\frac{1}{2}$	148	204B21	B	$1\frac{1}{2}$	$5\frac{1}{2}$	8	$4\frac{1}{8}$	186
25	25.550	A	204A25	$1\frac{1}{2}$	208	204B25	B	$1\frac{1}{2}$	$5\frac{1}{2}$	8	$4\frac{1}{8}$	254
30	30.340	A	204A30	$1\frac{1}{2}$	310	204C30	C	$1\frac{1}{2}$	6	9	$6\frac{1}{4}$	398
35	35.130	A	204A35	$1\frac{1}{2}$	416	204C35	C	$1\frac{1}{2}$	6	9	$6\frac{1}{4}$	527
40	39.920	A	204A40	$1\frac{1}{2}$	548	204C40	C	$1\frac{1}{2}$	7	10	$6\frac{3}{4}$	672
45	44.700	A	204A45	$1\frac{1}{2}$	702	204C45	C	$1\frac{1}{2}$	7	10	$6\frac{3}{4}$	850
54	53.310	A	204A54	$1\frac{1}{2}$	1022	204C54	C	$1\frac{1}{2}$	7	10	$6\frac{3}{4}$	1148
60	59.040	A	204A60	$1\frac{1}{2}$	1268	204C60	C	$1\frac{1}{2}$	7	10	$6\frac{3}{4}$	1419

Finished Bore Sprockets American Standard Series NO.35

- Pitch $\frac{3}{8}$ " Roller Φ 0.200"
 Tooth width B1 0.168"

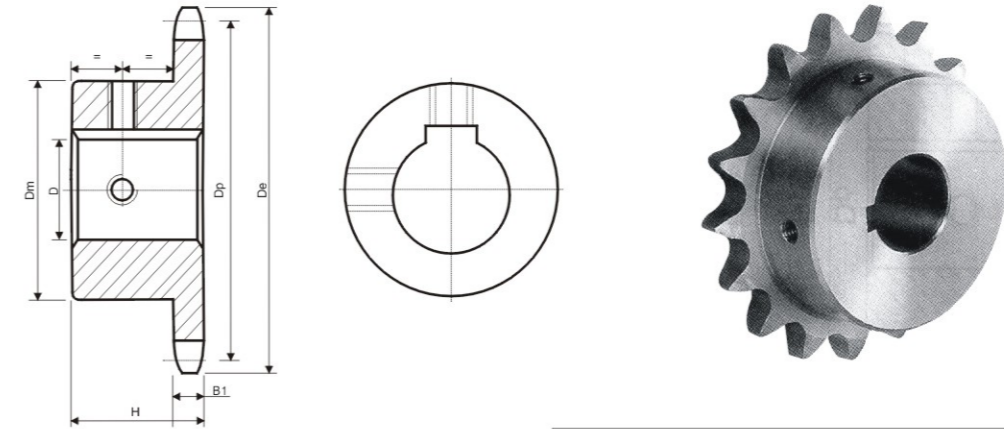


TYPE BS

Power Transmission Professional

Finished Bore Sprockets American Standard Series NO.35

- Pitch $\frac{3}{8}$ " Roller Φ 0.200"
 Tooth width B1 0.168"



TYPE BS

Power Transmission Professional

Single-Type BS-2Setscrews-Bored To Size

No. Teeth	Number	De	H	Weight Lbs. (Approx.)	Stock Finished Bores Includes Keyway and 2 Setscrews
9	35BS9	1.260	$\frac{3}{4}$	.10	$\star \frac{3}{8}$
10	35BS10	1.380	$\frac{3}{4}$	.11	$\star \frac{3}{8}$ - $\frac{1}{2}$ - $t \frac{5}{8}$
11	35BS11	1.500	$\frac{3}{4}$	.15	$\star \frac{3}{8}$ - $\frac{1}{2}$ - $t \frac{5}{8}$ - $t \frac{3}{4}$
12	35BS12	1.630	$\frac{3}{4}$	.18	- $\frac{1}{2}$ - $\frac{5}{8}$ - $t \frac{3}{4}$
13	35BS13	1.750	$\frac{3}{4}$	.20	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$
14	35BS14	1.870	$\frac{3}{4}$	.22	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$
15	35BS15	1.990	$\frac{3}{4}$	.24	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1
16	35BS16	2.110	$\frac{3}{4}$	.29	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1
17	35BS17	2.230	$\frac{3}{4}$	.36	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1
18	35BS18	2.350	$\frac{3}{4}$	.39	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1
19	35BS19	2.470	$\frac{3}{4}$	.44	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - -1
20	35BS20	2.590	$\frac{3}{4}$	.51	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - -1
21	35BS21	2.710	$\frac{7}{8}$	.75	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - -1
22	35BS22	2.830	$\frac{7}{8}$	.78	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - -1
23	35BS23	2.950	$\frac{7}{8}$	.78	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - -1
24	35BS24	3.070	$\frac{7}{8}$	.79	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - -1
25	35BS25	3.190	$\frac{7}{8}$	.80	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - -1
26	35BS26	3.310	$\frac{7}{8}$	.84	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$
27	35BS27	3.430	$\frac{7}{8}$	.88	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$
28	35BS28	3.550	$\frac{7}{8}$	.86	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$
30	35BS30	3.790	$\frac{7}{8}$	.96	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$
32	35BS32	4.030	$\frac{7}{8}$	1.14	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$
35	35BS35	4.390	1	1.38	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$
36	35BS36	4.510	1	1.41	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$
40	35BS40	4.990	1	1.56	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$
42	35BS42	5.230	1	1.64	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$
45	35BS45	5.590	1	1.74	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$
48	35BS48	5.950	1	1.86	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$
54	35BS54	6.660	1	1.98	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$
60	35BS60	7.380	1	2.34	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$
70	35BS70	8.580	1	3.14	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$
72	35BS72	8.810	1	3.30	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$
80	35BS80	9.770	1	3.94	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$
84	35BS84	10.250	1	4.26	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$
96	35BS96	11.680	1	5.22	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$
112	35BS112	13.590	1	6.50	- $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1 - $1 \frac{1}{8}$ - $1 \frac{3}{16}$ - $1 \frac{1}{4}$

No.35-Hardened Teeth-2Setscrews-Bored To Size

No. Teeth	Number	De	H	Weight Lbs. (Approx.)	Stock Finished Bores Includes Keyway and 2 Setscrews
9	35BS9HT	1.260	$\frac{3}{4}$	.10	$\star \frac{3}{8}$
10	35BS10HT	1.380	$\frac{3}{4}$	.11	$\star \frac{3}{8}$ - $\frac{1}{2}$ - $t \frac{5}{8}$
11	35BS11HT	1.500	$\frac{3}{4}$	.15	$\star \frac{3}{8}$ - $\frac{1}{2}$ - $t \frac{5}{8}$ - $t \frac{3}{4}$
12	35BS12HT	1.630	$\frac{3}{4}$	.18	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$
13	35BS13HT	1.750	$\frac{3}{4}$	.20	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$
14	35BS14HT	1.870	$\frac{3}{4}$	.22	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$
15	35BS15HT	1.990	$\frac{3}{4}$	.24	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1
16	35BS16HT	2.110	$\frac{3}{4}$	.29	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1
17	35BS17HT	2.230	$\frac{3}{4}$	.36	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1
18	35BS18HT	2.350	$\frac{3}{4}$	.39	- $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ -1
19	35BS19HT	2.470	$\frac{3}{4}$	.44	- $\frac{5}{8}$ - $\frac{3}{4}$ - -1
20	35BS20HT	2.590	$\frac{3}{4}$	.51	- $\frac{5}{8}$ - $\frac{3}{4}$ - -1
21	35BS21HT	2.710	$\frac{7}{8}$	.75	- $\frac{5}{8}$ - $\frac{3}{4}$ - -1
22	35BS22HT	2.830	$\frac{7}{8}$	.78	- $\frac{5}{8}$ - $\frac{3}{4}$ - -1
23	35BS23HT	2.950	$\frac{7}{8}$	.78	- $\frac{5}{8}$ - $\frac{3}{4}$ - -1
24	35BS24HT	3.070	$\frac{7}{8}$	.79	- $\frac{5}{8}$ - $\frac{3}{4}$ - -1
25	35BS25HT	3.190	$\frac{7}{8}$	.80	- $\frac{5}{8}$ - $\frac{3}{4}$ - -1
26	35BS26HT	3.310	$\frac{7}{8}$	.84	- $\frac{5}{8}$ - $\frac{3}{4}$ - -1
28	35BS28HT	3.550	$\frac{7}{8}$	.88	- $\frac{5}{8}$ - $\frac{3}{4}$ - -1
30	35BS30HT	3.790	$\frac{7}{8}$	.86	- $\frac{5}{8}$ - $\frac{3}{4}$ - -1

- * Indicates no keyway.
 $2 \frac{1}{4}$ " Setscrew only in $\frac{1}{2}$ " & $\frac{3}{8}$ " bore at 90° .
 Setscrews at 90° and 180° to key.

NOTE:KEYWAY IS ON CENTER LINE OF TOOTH.

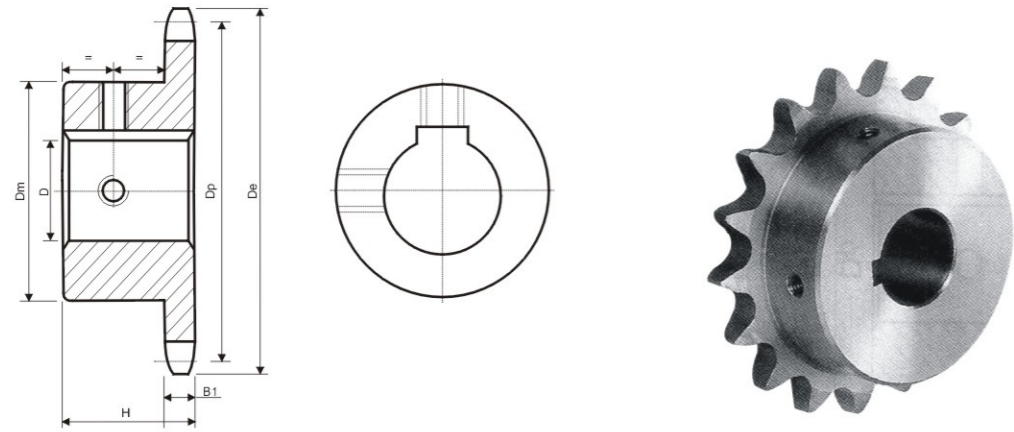
Stock hardened teeth sprockets afford longer chain and sprocket life.Hardened teeth on the smaller sprocket of a roller chain drive are recommended if the drive ratio is four to one or greater or if the smaller sprocket has 24 teeth or less and is running at a speed of over 600 R.P.M.

- * Indicates no keyway.
 $2 \frac{1}{4}$ " Setscrews only in $\frac{1}{2}$ " & $\frac{3}{8}$ " bore
 Keyway with Setscrew at 90°
 Hub diameters vary to suit different bore sizes.

NOTE:KEYWAY IS ON CENTER LINE OF TOOTH.

Finished Bore Sprockets American Standard Series NO.80

- Pitch 1 "
- Roller Φ 0.625 "
- Tooth width B1 0.575 "

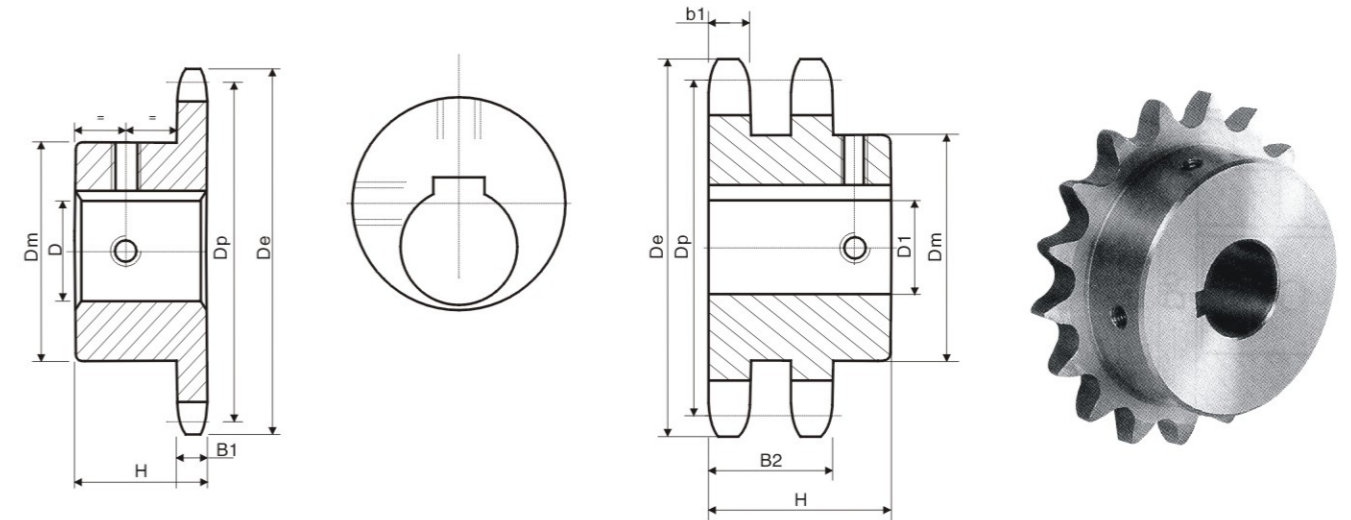


TYPE BS

Power Transmission Professional

Finished Bore Sprockets American Standard Series NO.80

- Pitch 1 "
- Roller Φ 0.625 "
- Tooth width b1 0.557 "
- Tooth width B1 0.575 "
- Tooth width B2 1.710 "



TYPE BS

TYPE BS

No.80-Hardened Teeth-2Setscrews

No. Teeth	Number	De	H	Weight Lbs. (Approx.)	Stock Finished Bores Includes Keyway and 2 Setscrews
9	80BS9HT	3.350	1 ⁵ / ₈	1.6	1 -1 ¹ / ₈ -1 ³ / ₁₆ -1 ¹ / ₄
10	80BS10HT	3.368	1 ⁵ / ₈	1.7	1 -1 ¹ / ₈ -1 ³ / ₁₆ -1 ¹ / ₄
11	80BS11HT	4.010	1 ⁵ / ₈	1.8	1 -1 ¹ / ₈ -1 ³ / ₁₆ -1 ¹ / ₄ -1 ⁷ / ₁₆ -1 ¹ / ₂ -1 ⁵ / ₈
12	80BS12HT	4.330	1 ⁵ / ₈	3.0	1 -1 ¹ / ₈ -1 ³ / ₁₆ -1 ¹ / ₄ -1 ⁷ / ₁₆ -1 ¹ / ₂ -1 ⁵ / ₈ -1 ³ / ₄
13	80BS13HT	4.660	1 ¹ / ₂	3.5	1 -1 ¹ / ₈ -1 ³ / ₁₆ -1 ¹ / ₄ -1 ⁷ / ₁₆ -1 ¹ / ₂ -1 ⁵ / ₈ -1 ³ / ₄ -1 ⁷ / ₁₆ -1 ¹ / ₂ -1 ⁵ / ₈ -2
14	80BS14HT	4.980	1 ¹ / ₂	4.1	1 -1 ¹ / ₈ -1 ³ / ₁₆ -1 ¹ / ₄ -1 ⁷ / ₁₆ -1 ¹ / ₂ -1 ⁵ / ₈ -1 ³ / ₄ -1 ⁷ / ₁₆ -1 ¹ / ₂ -1 ⁵ / ₈ -2
15	80BS15HT	5.300	1 ¹ / ₂	5.2	1 -1 ¹ / ₈ -1 ³ / ₁₆ -1 ¹ / ₄ -1 ⁷ / ₁₆ -1 ¹ / ₂ -1 ⁵ / ₈ -1 ³ / ₄ -1 ⁷ / ₁₆ -1 ¹ / ₂ -1 ⁵ / ₈ -2
16	80BS16HT	5.630	1 ¹ / ₂	6.1	1 -1 ¹ / ₄ -1 ³ / ₈ -1 ⁷ / ₁₆ -1 ¹ / ₂ -1 ⁵ / ₈ -1 ³ / ₄ -1 ¹⁵ / ₁₆ -2 -2 ⁷ / ₁₆
17	80BS17HT	5.950	1 ¹ / ₂	7.0	1 -1 ¹ / ₄ -1 ³ / ₈ -1 ⁷ / ₁₆ -1 ¹ / ₂ -1 ⁵ / ₈ -1 ³ / ₄ -1 ¹⁵ / ₁₆ -2 -2 ⁷ / ₁₆
18	80BS18HT	6.270	1 ¹ / ₂	7.8	1 -1 ¹ / ₄ -1 ³ / ₈ -1 ⁷ / ₁₆ -1 ¹ / ₂ -1 ⁵ / ₈ -1 ³ / ₄ -1 ¹⁵ / ₁₆ -2 -2 ⁷ / ₁₆
19	80BS19HT	6.590	1 ¹ / ₂	8.3	-1 ¹ / ₄ -1 ³ / ₈ -1 ⁷ / ₁₆ -1 ¹ / ₂ -1 ⁵ / ₈ -1 ³ / ₄ -1 ¹⁵ / ₁₆ -2 -2 ⁷ / ₁₆
20	80BS20HT	6.910	1 ¹ / ₂	9.5	-1 ¹ / ₄ -1 ³ / ₈ -1 ⁷ / ₁₆ -1 ¹ / ₂ -1 ⁵ / ₈ -1 ³ / ₄ -1 ¹⁵ / ₁₆ -2 -2 ⁷ / ₁₆

NOTE:KEYWAY IS ON CENTER LINE OF TOOTH.

Single Type BS Which-2Setscrews

No. Teeth	Number	De	H	Weight Lbs. (Approx.)	Stock Finished Bores Includes Keyway (see Footnote) And Setscrews at 90 from Keyway
10	80BS10W	3.680	1 ⁵ / ₈	1.7	1 ¹ / ₄
11	80BS11W	4.010	1 ⁵ / ₈	1.8	1 ¹ / ₄
12	80BS12W	4.330	1 ⁵ / ₈	3.0	1 ¹ / ₄
15	80BS15W	5.300	1 ¹ / ₂	5.2	1 ¹ / ₄
18	80BS18W	6.270	1 ¹ / ₂	7.8	1 ¹ / ₄ -1 ¹ / ₂

KEYWAY IS ON CENTER LINE OF TOOTH

Double Type BS Which (Hardened Teeth) -2Setscrews

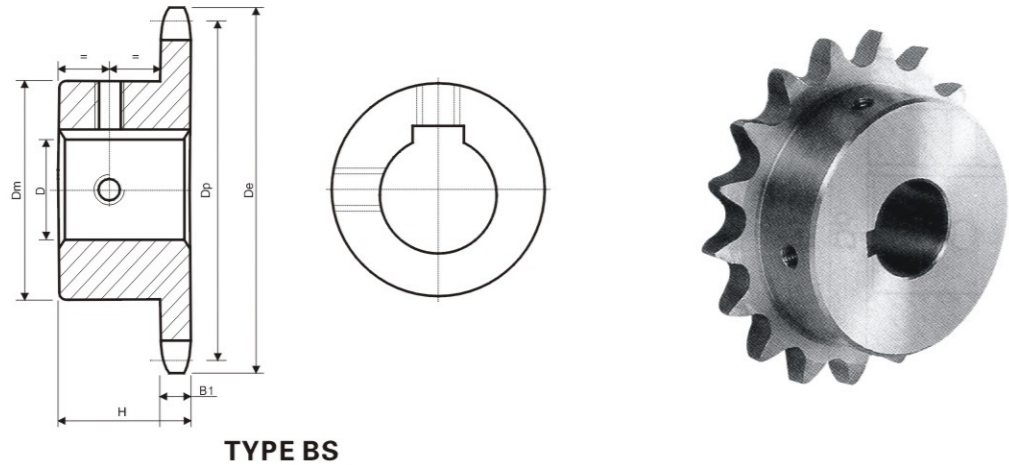
No. Teeth	Number	De	H	Weight Lbs. (Approx.)	Stock Finished Bores Includes Keyway (see Footnote) And Setscrews at 90 from Keyway
12	80BS12W	3.680	2 ¹ / ₂	5.2	1 ¹ / ₄ -1 ¹ / ₂ -1 ³ / ₄
15	80BS15W	5.300	2 ¹ / ₂	9.2	1 ¹ / ₄ -1 ¹ / ₂ -1 ³ / ₄
18	80BS18W	6.270	2 ³ / ₄	13.5	1 ¹ / ₂ -1 ³ / ₄ -2
20	80BS20W	6.910	2 ³ / ₄	16.2	1 ¹ / ₂ -1 ³ / ₄ -2
24	80BS24W	8.200	2 ³ / ₄	23.2	1 ¹ / ₂ 2

KEYWAY IS ON CENTER LINE OF TOOTH

Footnote: 1¹/₄" bore has a ⁵/₁₆ X ⁵/₃₂" keyway, set screw at 90° from keyway
 Footnote: 1¹/₂" bore has a ⁵/₁₆ X ⁵/₃₂" keyway, set screw at 90° from keyway
 Footnote: 1³/₄" bore has a ³/₈ X ³/₁₆" keyway, set screw at 90° from keyway
 Footnote: 2" bore has a ³/₈ X ³/₁₆" keyway, set screw at 90° from keyway

Finished Bore Sprockets American Standard Series NO.100

- Pitch 1/4"
- Roller Φ 0.750"
- Tooth width B1 0.692"



Single-Type BS-2Setscrews-Bored To Size

No. Teeth	Number	De	H	Weight Lbs (Approx.)	Stock Finished Bores Includes Keyway and 2 Setscrews
8	100BS8	3.770	1 7/8	2.8	1 - 1 3/16 - 1 1/4
9	100BS9	4.180	1 7/8	3.0	1 - 1 3/16 - 1 1/4 - 1 7/16
10	100BS10	4.600	1 7/8	3.9	1 - 1 3/16 - 1 1/4 - 1 7/16
11	100BS11	5.010	1 7/8	4.9	1 - 1 3/16 - 1 1/4 - 1 7/16 - 1 5/16 - 2 - 2 3/16
12	100BS12	5.420	1 7/8	6.0	1 - 1 3/16 - 1 1/4 - 1 7/16 - 1 5/16 - 2 - 2 3/16
13	100BS13	5.820	1 5/8	6.2	- 1 3/16 - 1 1/4 - 1 7/16 - 1 5/16 - 2 - 2 3/16
14	100BS14	6.230	1 5/8	6.6	- 1 1/4 - 1 7/16 - 1 5/16 - 2 - 2 3/16
15	100BS15	6.630	1 3/4	8.4	- 1 1/4 - 1 7/16 - 1 5/16 - 2 - 2 3/16
16	100BS16	7.030	1 3/4	9.0	- 1 7/16 - 1 5/16 - 2 - 2 3/16 - 2 7/16 - 2 5/16
17	100BS17	7.440	1 3/4	9.9	- 1 7/16 - 1 5/16 - 2 - 2 3/16 - 2 7/16 - 2 5/16
18	100BS18	7.840	1 3/4	10.6	- 1 7/16 - 1 5/16 - 2 - 2 3/16 - 2 7/16 - 2 5/16
19	100BS19	8.240	2	12.1	- 1 7/16 - 1 5/16 - 2 - 2 3/16 - 2 7/16 - 2 5/16
20	100BS20	8.640	2	13.2	- 1 7/16 - 1 5/16 - 2 - 2 3/16 - 2 7/16 - 2 5/16
21	100BS21	9.040	2	14.3	- 1 7/16 - 1 5/16 - 2 - 2 3/16 - 2 7/16 - 2 5/16
22	100BS22	9.440	2	15.1	- 1 7/16 - 1 5/16 - 2 - 2 3/16 - 2 7/16 - 2 5/16
23	100BS23	9.840	2	16.1	- 1 7/16 - 1 5/16 - 2 - 2 3/16 - 2 7/16 - 2 5/16
24	100BS24	10.250	2	18.1	- 1 7/16 - 1 5/16 - 2 - 2 3/16 - 2 7/16 - 2 5/16
25	100BS25	10.650	2	18.4	- 1 7/16 - 1 5/16 - 2 - 2 3/16 - 2 7/16 - 2 5/16

Hub diameters vary to suit different bore sizes.

NOTE:KEYWAY IS ON CENTER LINE OF TOOTH.

STANDARD KEYWAYS AND SETSCREWS

Diameter of shaft	Keyway Width X Depth	Setscrew	Diameter of shaft	Keyway Width X Depth	Setscrew
1/2 - 5/16	1/8 X 1/16	10-24	2 5/16 - 2 3/4	5/8 X 5/16	5/8*
5/8 - 7/8	3/16 X 3/32	1/4	1 3/8 - 3 1/4	3/4 X 3/8	5/8*
1 1/16 - 1 1/4	1/4 X 1/8	5/16	3 7/16 - 3 3/4	7/8 X 7/16	3/4
1 3/16 - 1 3/8	5/16 X 5/32	5/16	3 7/16 - 4 1/2	1 X 1/2	3/4
1 7/16 - 1 3/4	3/8 X 3/16	3/8	4 7/16 - 5 1/2	1 1/4 X 5/8	3/4
1 3/8 - 2 1/4	1/2 X 1/4	1/2*	5 7/16 - 6 1/2	1 1/2 X 3/4	3/4

* Hub size may require smaller setscrews in some instances

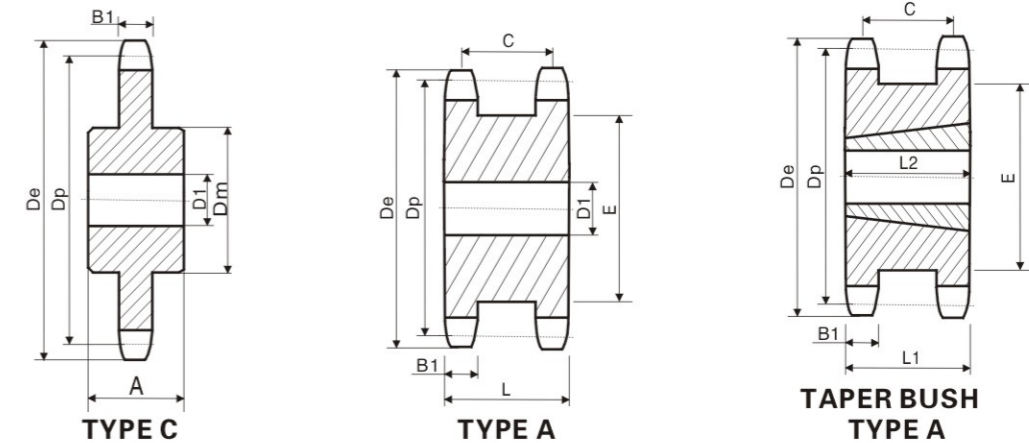
STANDARD BORE TOLERANCES

1" and Less +.001-.000
1 1/16" to 2" +.002-.000
2 1/16" to 3" +.003-.000
3 1/16" & up +.004-.000

Bores with closer tolerances will be supplied at a slight increase in price

Double Sprockets for Two Single Chains NO.40 American Standard Series

- Pitch 1/2"
- Roller Φ 0.312"
- Tooth width B1 0.284"



Single-Type C-Steel

NO. teeth	Number	De	D1		Dm	A	Wt. Lbs. (Approx.)
			Min.	Max.			
12	40C12	2.170	1/2	1	1 1/4*	1 1/2	.75
13	40C13	2.330	1/2	1 1/8	1 1/8	1 1/2	.94
14	40C14	2.490	1/2	1 1/8	1 1/8	1 1/2	.91
15	40C15	2.650	1/2	1 1/4	1 1/4	1 1/2	1.19
16	40C16	2.810	1/2	1 3/8	2	1 1/2	1.34
17	40C17	2.980	5/8	1 7/16	2 1/8	1 1/2	1.5
18	40C18	3.140	5/8	1 1/2	2 5/16	1 1/2	1.8

* Has recessed groove in hub for chain clearance.

Double Single-Type A-Steel

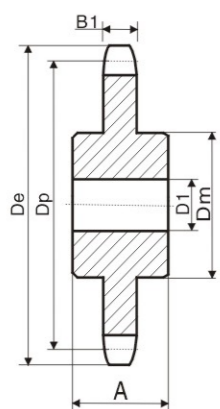
NO. teeth	Number	De	Dp	Type	D1		L	C	E	B1	Wt. (Approx.)
					Min.	Max.					
15	DS40A15	2.650	2.405	A	1/2	1 1/4	1 3/32	1 1/8	1 7/16	.284	1.2
16	DS40A16	2.810	2.563	A	1/2	1 1/4	1 3/32	1 1/8	2	.284	1.4
17	DS40A17	2.980	2.721	A	1/2	1 1/8	1 3/32	1 1/8	2 1/8	.284	1.6
18	DS40A18	3.140	2.879	A	1/2	1 1/2	1 3/32	1 1/8	2 7/16	.284	1.8
19	DS40A19	3.300	3.038	A	5/8	1 1/8	1 3/32	1 1/8	2 1/2	.284	2.2
20	DS40A20	3.460	3.196	A	5/8	1 3/4	1 3/32	1 1/8	2 5/8	.284	2.6
21	DS40A21	3.620	3.355	A	5/8	1 3/4	1 3/32	1 1/8	2 5/8	.284	2.9
22	DS40A22	3.780	3.513	A	5/8	1 3/8	1 3/32	1 1/8	2 7/16	.284	3.0
23	DS40A23	3.940	3.672	A	5/8	2 1/8	1 3/32	1 1/8	2 3/2	.284	3.5
24	DS40A24	4.100	3.831	A	5/8	2 1/4	1 3/32	1 1/8	2 7/16	.284	4.0

Double Single-Taper Bushed-Steel

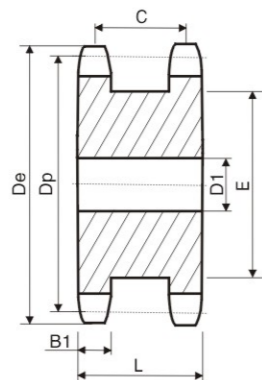
NO. teeth	Number	Bushing Size	De	Dp	D1		Type	L1	C	E	L2	B1	Wt. Rim Only
					Min.	Max.							
19	DS40ATB19H	1215	3.300	3.038	1/2	1 1/4	A	1 3/32	1 1/8	2 1/2	1 1/2	.284	1.1
20	DS40ATB20H	1215	3.460	3.196	1/2	1 1/4	A	1 3/32	1 1/8	2 3/8	1 1/2	.284	1.3
21	DS40ATB21H	1615	3.620	3.355	1/2	1 1/8	A	1 3/32	1 1/8	2 3/32	1 1/2	.284	1.3
23	DS40ATB23H	1615	3.940	3.672	1/2	1 1/8	A	1 3/32	1 1/8	2 3/32	1 1/2	.284	1.5
24	DS40ATB14H	1615	4.100	3.831	1/2	1 5/8	A	1 3/32	1 1/8	2 7/16	1 1/2	.284	1.7

Double Sprockets for Two Single Chains NO.50 American Standard Series

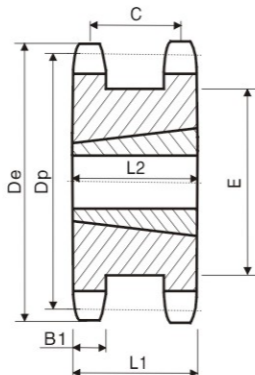
- Pitch $\frac{5}{8}$ "
- Roller ϕ 0.400"
- Tooth width B1 0.343"



TYPE C



TYPE A



TAPER BUSH
TYPE A

Single-Type C-Steel

NO. Teeth	Number	De	D1		Dm	A	Wt. Lbs. (Approx.)
			Min.	Max.			
12	50C12	2.710	5/8	1 1/4	2*	1 5/8	1.25
13	50C13	2.910	5/8	1 5/16	1 7/8	1 5/8	1.47
14	50C14	3.110	5/8	1 7/16	2 1/8	1 5/8	1.69
15	50C15	3.320	5/8	1 1/2	2 3/8	1 5/8	1.94
16	50C16	3.520	5/8	1 3/4	2 1/2	1 5/8	2.42
17	50C17	3.720	5/8	1 7/8	2 3/4	1 5/8	2.75
18	50C18	3.920	5/8	1 15/16	2 7/8	1 5/8	3.25
19	50C19	4.120	5/8	2	3 1/4	1 5/8	3.87
20	50C20	4.320	5/8	2	3	1 5/8	4.40

★ Has recessed groove in hub for chain clearance.

Double Single-Type A-Steel

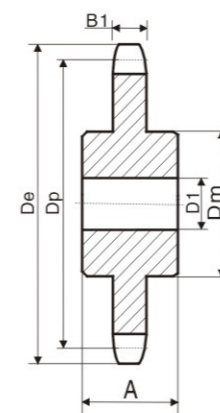
NO. Teeth	Number	De	Dp	Type	D1		L	C	E	B1	Wt. (Approx.)
					Min.	Max.					
15	DS50A15	3.320	3.006	A	5/8	1 1/2	1 5/16	1 3/8	1 3/8	.343	2.1
16	DS50A16	3.520	3.204	A	5/8	1 15/16	1 5/8	1 7/8	2 1/2	.343	2.4
17	DS50A17	3.720	3.401	A	5/8	1 7/8	1 5/8	2 1/16	.343	2.9	
18	DS50A18	3.920	3.599	A	5/8	1 7/8	1 5/8	2 3/16	.343	3.3	
19	DS50A19	4.120	3.797	A	5/8	2 1/16	1 5/8	2 5/16	.343	3.7	
20	DS50A20	4.320	3.995	A	5/8	2 1/4	1 5/8	2 3/8	.343	4.2	
21	DS50A21	4.520	4.194	A	5/8	2 1/4	1 5/8	2 3/4	.343	4.8	
22	DS50A22	4.720	4.392	A	5/8	2 3/8	1 5/8	2 11/16	.343	5.3	
23	DS50A23	4.920	4.590	A	5/8	2 3/8	1 5/8	2 5/8	.343	5.8	
24	DS50A24	5.120	4.788	A	5/8	2 3/4	1 5/8	2 5/4	.343	6.3	

Double Single-Taper Bushed-Steel

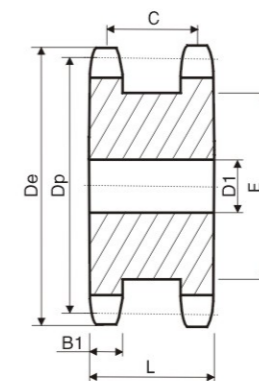
NO. Teeth	Number	Bushing Size	De	Dp	D1		Type	L1	C	E	L2	B1	Wt. Rim Only
					Min.	Max.							
17	DS40ATB17H	1615	3.720	3.401	1/2	1 5/8	A	1 1/2	1 5/8	2 1/16	1 1/2	0.343	1.8
18	DS40ATB18H	1615	3.920	3.599	1/2	1 5/8	A	1 1/2	1 5/8	2 3/16	1 1/2	0.343	2.2
19	DS40ATB19H	1615	4.120	3.797	1/2	1 5/8	A	1 1/2	1 5/8	3 5/16	1 1/4	0.343	2.7
21	DS40ATB21H	2012	4.520	4.194	1/2	2	A	1 3/2	1 5/8	3 3/16	1 1/4	0.343	3.3
23	DS40ATB23H	2012	4.920	4.590	1/2	2	A	1 3/2	1 5/8	3 7/16	1 1/4	0.343	3.7
24	DS40ATB24H	2012	5.120	4.788	1/2	2	A	1 3/2	1 5/8	4 1/4	1 1/4	0.343	4.1

Double Sprockets for Two Single Chains NO.60 American Standard Series

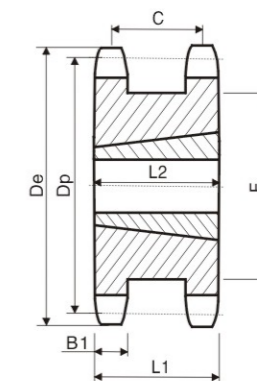
- Pitch $\frac{3}{4}$ "
- Roller ϕ 0.468"
- Tooth width B1 0.459"



TYPE C



TYPE A



TAPER BUSH
TYPE A

Single-Type C

NO. Teeth	Number	De	D1		Dm	A	Wt. Lbs. (Approx.)
			Min.	Max.			
12	60C12	3.250	3/4	1 3/8	2 3/8*	2	2.25
13	60C13	3.490	3/4	1 1/2	2 7/16	2	2.75
14	60C14	3.740	3/4	1 5/8	2 9/16	2	3.19
15	60C15	3.980	3/4	1 7/8	2 1/2	2	3.10
16	60C16	4.220	3/4	2	3 1/16	2	4.19
17	60C17	4.460	3/4	2 1/4	3 1/4	2	4.81
18	60C18	4.700	3/4	2 5/8	3 1/2	2	5.62

★ Has recessed groove in hub for chain clearance.

Double Single-Type A-Steel

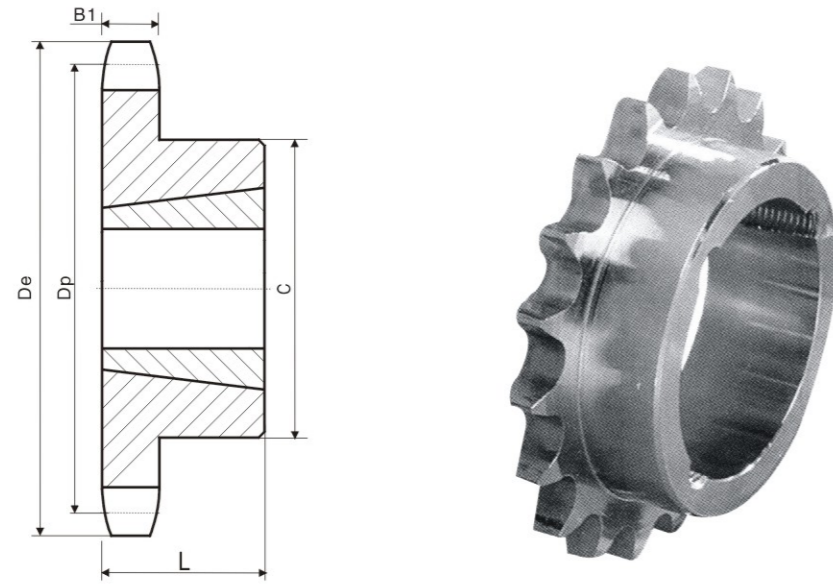
NO. Teeth	Number	De	Dp	Type	D1		L	C	E	B1	Wt. (Approx.)
					Min.	Max.					
13	DS60A13	3.490	3.134	A	3/4	1 1/4	1 5/8	1 7/8	2 1/2	.495	2.6
14	DS60A14	3.740	3.371	A	3/4	1 15/16	1 5/8	1 7/8	2 5/8	.495	3.2
15	DS60A15	3.980	3.607	A	3/4	1 7/8	1 5/8	1 7/8	2 7/8	.495	3.8
16	DS60A16	4.220	3.844	A	3/4	1 7/8	1 5/8	1 7/8	3 1/8	.495	4.5
17	DS60A17	4.460	4.082	A	3/4	1 7/8	1 5/8	1 7/8	3 1/2	.495	5.3
18	DS60A18	4.700	4.319	A	3/4	1 7/8	1 5/8	1 7/8	3 1/2	.495	6.5
19	DS60A19	4.950	4.557	A	3/4	2 1/16	1 5/8	1 7/8	3 3/8	.495	6.8
20	DS60A20	5.190	4.794	A	3/4	2 1/4	1 5/8	1 7/8	3 3/8	.495	7.0
21	DS60A21	5.430	5.032	A	3/4	2 3/4	1 5/8	1 7/8	4 1/8	.495	7.5

Double Single-Taper Bushed-Steel

NO. Teeth	Number	Bushing Size	De	Dp	D1		Type	L1	C	E	L2	B1	Wt. Rim Only
					Min.	Max.							
17	DS60ATB17H	1615	4.460	4.002	1/2	1 5/8	A	1 1/2	1 5/8	3 3/8	1 1/2	.495	4.5
18	DS60ATB18H	2012	4.700	4.319	1/2	2	A	1 3/2	1 5/8	3 5/8	1 1/4	.495	5.0
19	DS60ATB19H	2012	4.950	4.557	1/2	2	A	1 3/2	1 5/8	3 3/4	1 1/4	.495	5.8
20	DS60ATB20H	2517	5.190	4.794	1/2	2 1/2	A	1 3/2	1 5/8	3 3/4	1 1/4	.495	5.6
21	DS60ATB21H	2517	5.430	5.032	1/2	2 1/2	A	1 3/2	1 5/8	4 1/8	1 1/4	.495	6.4
23	DS60ATB23H	2517	5.910	5.508	1/2	2 1/2	A	1 3/2	1 5/8	4 3/8	1 1/4	.495	7.3
24	DS60ATB24H	2517	6.150	5.746	1/2	2 1/2	A	1 3/2	1 5/8	4 3/4	1 1/4	.495	8.2

Taper Bore Sprockets American Standard Series NO.35

- Pitch $\frac{3}{8}$ "
- Roller Φ 0.200"
- Tooth width B1 0.168"



TYPE B

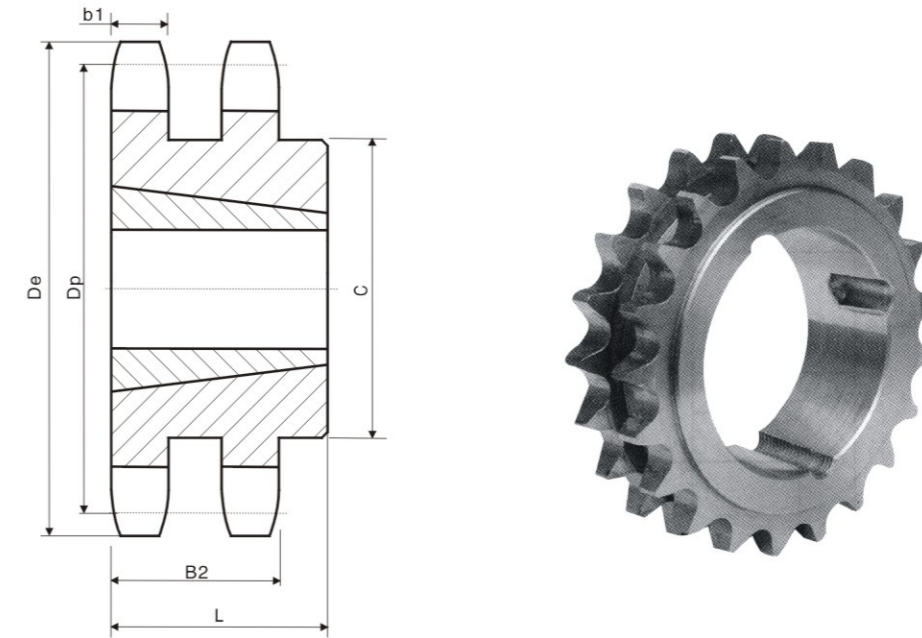
Single-Taper Bushed

NO. Teeth	Number	Bushing	De	Dp	Max. Bore	A	C	Type	Weight (Approx)	
									Rim Only	Bushing Only
18	35BTB18	1008	2.352	2.159	1	7/8	1 7/8★	B	.4	.3
19	35BTB19	1008	2.472	2.278	1	7/8	1 9/16	B	.5	.3
20	35BTB20	1008	2.593	2.397	1	7/8	1 11/16	B	.6	.3
21	35BTB21	1008	2.713	2.516	1	7/8	2 1/16	B	.7	.3
22	35BTB22	1210	2.883	2.635	1 1/4	1	2 3/8★	B	.8	.6
23	35BTB23	1210	2.954	2.754	1 1/4	1	2 9/17	B	.9	.6
24	35BTB24	1210	3.074	2.873	1 1/4	1	2 11/17	B	.9	.6
25	35BTB25	1210	3.194	2.992	1 1/4	1	2 13/17	B	1.2	.6
26	35BTB26	1610	3.314	3.111	1 1/2	1	2 7/8★	B	1.1	.9
28	35BTB28	1610	3.553	3.349	1 1/2	1	2 9/8	B	1.2	.9
30	35BTB30	1610	3.793	3.588	1 1/2	1	3 1/8	B	1.2	.9
32	35BTB32	1610	4.032	3.826	1 1/2	1	3 1/4	B	1.3	.9
35	35BTB35	1610	4.392	4.183	1 3/4	1	3 1/2	B	1.4	.9
36	35BTB36	1610	4.511	4.303	1 3/4	1	3 3/4	B	1.4	.9
40	35BTB40	1610	4.990	4.786	1 3/4	1	3 5/8	B	1.9	.9
42	35BTB42	1610	5.229	5.018	1 3/4	1	3 3/4	B	2.0	.9
45	35BTB45	1610	5.558	5.376	1 3/4	1	3 7/8	B	2.1	.9
48	35BTB48	1610	5.946	5.734	1 3/4	1	3 7/8	B	2.3	.9
54	35BTB54	1610	6.663	6.449	1 3/4	1	3 7/8	B	2.6	.9
60	35BTB60	1610	7.380	7.165	1 3/4	1	3 7/8	B	3.0	.9
70	35BTB70	1610	8.575	8.358	1 3/4	1	3 7/8	B	3.7	.9
72	35BTB72	1610	8.814	8.597	1 3/4	1	3 7/8	B	3.9	.9
80	35BTB80	1610	9.770	9.552	1 3/4	1	3 7/8	B	4.5	.9
84	35BTB84	1610	10.247	10.029	1 3/4	1	3 7/8	B	4.9	.9
96	35BTB96	1610	11.680	11.461	1 3/4	1	3 7/8	B	6.0	.9
112	35BTB112	1610	13.590	11.371	1 3/4	1	3 7/8	B	7.8	.9

★ Has recessed groove in hub for chain clearance.

Taper Bore Sprockets American Standard Series NO.35-2

- Pitch $\frac{3}{8}$ "
- Roller Φ 0.200"
- Tooth width b1 0.162"
- Tooth width B2 0.561"



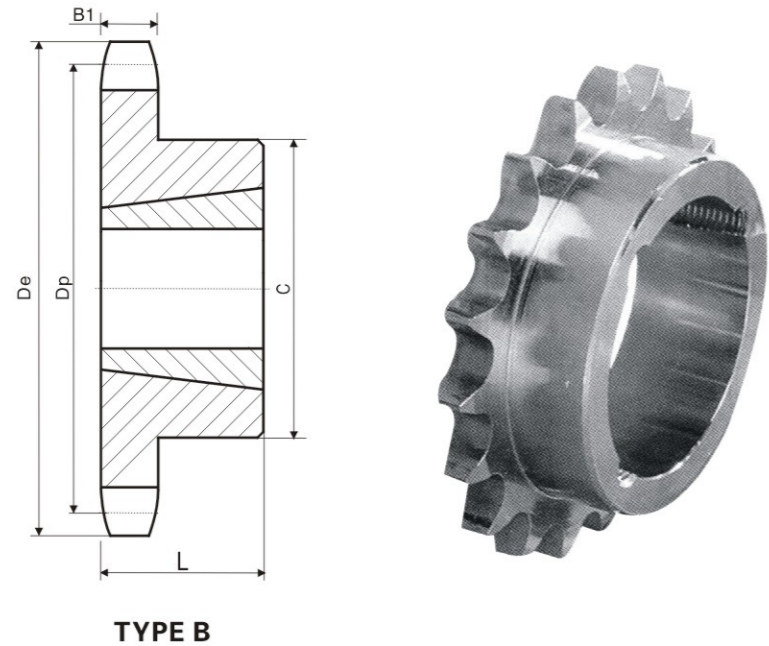
TYPE B

Double-Taper Bushed

NO. Teeth	Number	Bushing	De	Dp	Max. Bore	L	C	Type	Weight (Approx)	
									Rim Only	Bushing Only
19	D35BTB19H	1008	2.472	2.278	1	7/8	1 3/8	B	.6	.3
20	D35BTB20H	1008	2.593	2.397	1	7/8	1 5/16	B	.8	.3
21	D35BTB21H	1008	2.713	2.516	1	7/8	2 1/16	B	1.4	.3
22	D35BTB22H	1008	2.833	2.635	1	7/8	2 3/16	B	1.7	.3
24	D35BTB24H	1210	3.074	2.873	1 1/4	1	2 7/16	B	1.8	.6
26	D35BTB26	1210	3.314	3.111	1 1/4	1	2 9/16	B	2.0	.6
30	D35BTB30	1610	3.793	3.588	1 1/2	1	3 1/8	B	1.8	.9
32	D35BTB32	1610	4.032	3.826	1 1/2	1	3 1/4	B	2.0	.9
35	D35BTB35	1610	4.392	4.183	1 3/4	1	3 1/2	B	2.3	.9
40	D35BTB40	1610	4.990	4.780	1 3/4	1	3 3/4	B	2.9	.9
45	D35BTB45	1610	5.588	5.376	1 3/4	1	3 3/4	B	3.2	.9
48	D35BTB48	1610	5.946	5.734	1 3/4	1	3 3/8	B	3.5	.9
54	D35BTB54	1610	6.663	6.449	1 3/4	1	3 3/8	B	3.9	.9
60	D35BTB60	1610	7.380	7.165	1 3/4	1	3 3/8	B	4.9	.9
70	D35BTB70	1610	8.575	8.358	1 3/4	1	3 3/8	B	6.3	.9
80	D35BTB80	1610	9.770	9.552	1 3/4	1	3 3/8	B	7.9	.9
96	D35BTB96	1610	11.680	11.461	1 3/4	1	3 3/8	B	9.9	.9
112	D35BTB112	1610	13.590	13.371	1 3/4	1	3 3/8	B	10.9	.9

Taper Bore Sprockets American Standard Series NO.41

- Pitch $\frac{1}{2}$ " Roller Φ 0.306"
 Tooth width B1 0.227"

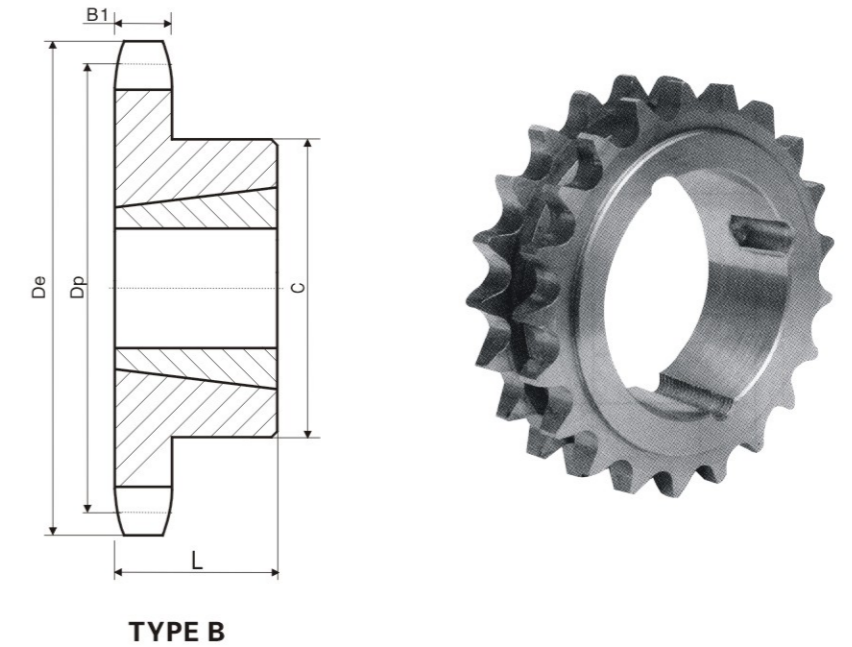


Taper Bore Sprockets American Standard Series NO.40

- Pitch $\frac{1}{2}$ " Roller Φ 0.312"
 Tooth width B1 0.284"

Single-Taper Bushed with Hardened Teeth

NO. Teeth	Number
14	40BTB14H
15	40BTB15H
16	40BTB16H
17	40BTB17H
18	40BTB18H
19	40BTB19H
20	40BTB20H
21	40BTB21H
22	40BTB22H
23	40BTB23H
24	40BTB24H
25	40BTB25H
26	40BTB26H
28	40BTB28H
30	40BTB30H



Single-Taper Bushed

NO. Teeth	Number	Bushing	De	Dp	Max. Bore	L	C	Type	Weight (Approx)	
									Rim Only	Bushing Only
14	40BTB14	1008	2.49	2.249	1	$\frac{7}{8}$	$1\frac{1}{8}$ *	B	.4	.3
15	40BTB15	1008	2.65	2.405	1	$\frac{7}{8}$	$1\frac{1}{8}$	B	.5	.3
16	40BTB16	1008	2.81	2.503	1	$\frac{7}{8}$	2	B	.6	.3
17	40BTB17	1210	2.98	2.721	1	1	$2\frac{1}{8}$ *	B	.7	.6
18	40BTB18	1210	3.14	2.879	1	1	$2\frac{3}{8}$	B	.9	.6
19	40BTB19	1210	3.30	3.038	1	1	$2\frac{1}{2}$	B	1.1	.6
20	40BTB20	1610	3.46	3.196	$1\frac{1}{8}$	1	$2\frac{1}{8}$ *	B	1.1	.9
21	40BTB21	1610	3.62	3.355	$1\frac{1}{8}$	1	3	B	1.2	.9
22	40BTB22	1610	3.78	3.573	$1\frac{1}{8}$	1	3	B	1.3	.9
23	40BTB23	1610	3.94	3.672	$1\frac{1}{8}$	1	3	B	1.4	.9
24	40BTB24	1610	4.10	3.831	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	1.4	.9
25	40BTB25	1610	4.26	3.989	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	1.5	.9
26	40BTB26	1610	4.42	4.148	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	1.5	.9
28	40BTB28	1610	4.74	4.466	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	1.7	.9
30	40BTB30	1610	5.06	4.783	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	1.8	.9
32	40BTB32	1610	5.38	5.101	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	1.9	.9
35	40BTB35	1610	5.86	5.578	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	2.3	.9
36	40BTB36	1610	6.02	5.737	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	2.4	.9
40	40BTB40	1610	6.65	6.373	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	2.7	.9
45	40BTB45	1610	7.45	7.168	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	3.5	.9
48	40BTB48	1610	7.93	7.645	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	4.1	.9
54	40BTB54	1610	8.89	8.599	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	4.9	.9
60	40BTB60	1610	9.84	9.554	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	5.7	.9
70	40BTB70	1610	11.43	11.145	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	7.4	.9
72	40BTB72	1610	11.75	11.463	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	8.2	.9
80	40BTB80	1610	13.03	12.736	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	9.6	.9
96	40BTB96	1610	15.57	15.281	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	13.1	.9

★ Has recessed groove in hub for chain clearance.

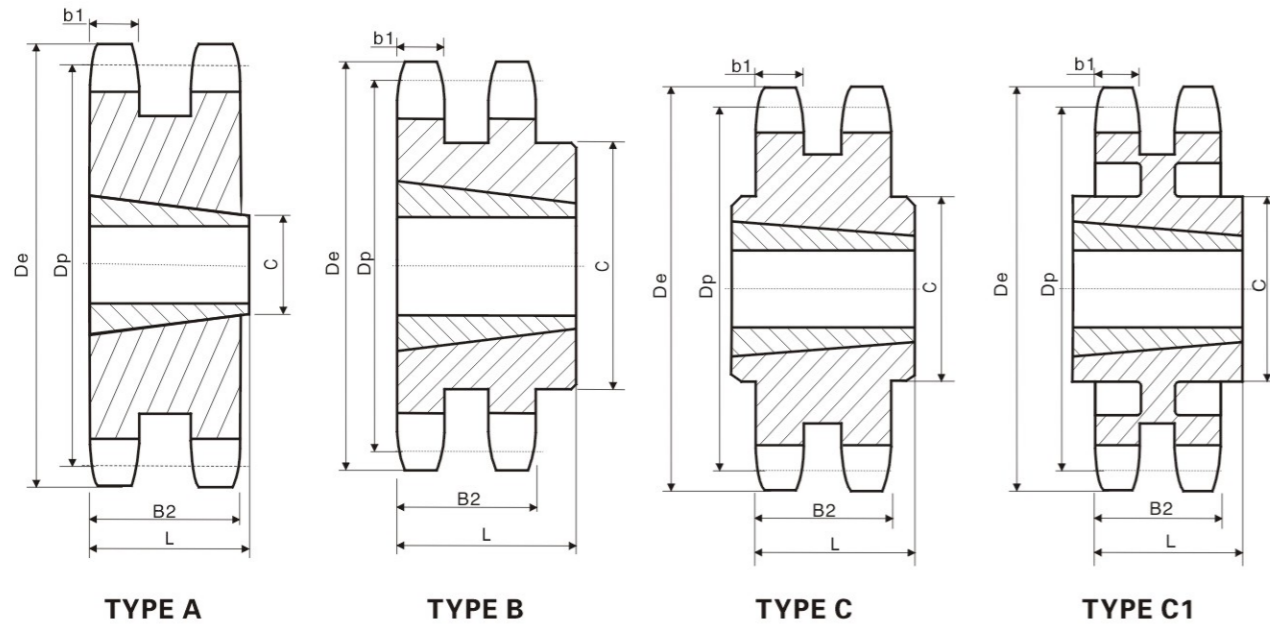
Single-Taper Bushed

NO. Teeth	Number	Bushing	De	Dp	Max. Bore	L	C	Type	Weight (Approx)	
									Rim Only	Bushing Only
14	40BTB14	1008	2.491	2.247	1	$\frac{7}{8}$	$*1\frac{1}{8}$	B	.3	.3
15	40BTB15	1008	2.652	2.405	1	$\frac{7}{8}$	$1\frac{1}{8}$	B	.4	.3
16	40BTB16	1008	2.814	2.563	1	$\frac{7}{8}$	$1\frac{1}{8}$	B	.5	.3
17	40BTB17	1210	2.975	2.721	$1\frac{1}{4}$	1	$*2\frac{1}{8}$	B	.5	.3
18	40BTB18	1210	3.135	2.879	$1\frac{1}{4}$	1	$*2\frac{3}{8}$	B	.6	.6
19	40BTB19	1210	3.296	3.038	$1\frac{1}{4}$	1	$2\frac{3}{8}$	B	.7	.6
20	40BTB20	1610	3.457	3.196	$1\frac{1}{8}$	1	$*2\frac{3}{8}$	B	.7	.9
21	40BTB21	1610	3.617	3.355	$1\frac{1}{8}$	1	$2\frac{3}{8}$	B	.8	.9
22	40BTB22	1610	3.778	3.513	$1\frac{1}{8}$	1	$2\frac{3}{8}$	B	.9	.9
23	40BTB23	1610	3.938	3.672	$1\frac{1}{8}$	1	3	B	1.0	.9
24	40BTB24	1610	4.098	3.831	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	1.4	.9
25	40BTB25	1610	4.258	3.989	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	1.5	.9
26	40BTB26	1610	4.418	4.148	$1\frac{1}{8}$	1	$3\frac{1}{4}$	B	1.7	.9
28	40BTB28	1610	4.738	4.446	$1\frac{1}{8}$	1	3	B	1.8	.9
30	40BTB30	1610	5.057	4.783	$1\frac{1}{8}$	1	3	B	1.9	.9
32	40BTB32	1610	5.377	5.101	$1\frac{1}{8}$	1	3	B	1.9	.9
35	40BTB35	1610	5.855	5.578	$1\frac{1}{8}$	1	3	B	2.3	.9
36	40BTB36	1610	6.015	5.737	$1\frac{1}{8}$	1	3	B	2.4	.9
40	40BTB40	1610	6.653	6.373	$1\frac{1}{8}$	1	3	B	2.8	.9
42	40BTB42	1610	6.972	6.691	$1\frac{1}{8}$	1	3	B	2.9	.9
45	40BTB45	1610	7.451	7.168	$1\frac{1}{8}$	1	3	B	3.5	.9
48	40BTB48	1610	7.928	7.645	$1\frac{1}{8}$	1	3	B	4.0	.9
54	40BTB54	1610	8.885	8.599	$1\frac{1}{8}$	1	3	B	4.9	.9
60	40BTB60	1610	9.841	9.554	$1\frac{1}{8}$	1	3	B	6.0	.9
70	40BTB70	2012	11.434	11.145	2	$1\frac{1}{4}$	$3\frac{1}{8}$	B	8.2	1.7
72	40BTB72	2012	11.752	11.463	2	$1\frac{1}{4}$	$3\frac{1}{8}$	B	9.0	1.7
80	40BTB80	2012	13.026	12.736	2	$1\frac{1}{4}$	$3\frac{1}{8}$	B	10.8	1.7
84	40BTB84	2012	13.663	13.372	2	$1\frac{1}{4}$	$3\frac{1}{8}$	B	11.3	1.7
96	40BTB96	2012	15.573	15.282	2	$1\frac{1}{4}$	$3\frac{1}{8}$	B	14.6	1.7
112	40BTB112	2517	18.122	17.828	$2\frac{1}{2}$	$1\frac{1}{4}$	$4\frac{1}{4}$	B	20.5	1.7

★ Has recessed groove in hub for chain clearance.

Taper Bore Sprockets American Standard Series NO.60-2

- Pitch $\frac{3}{4}$ "
- Roller Φ 0.468"
- Tooth width b1 0.444"
- Tooth width B2 1.341"

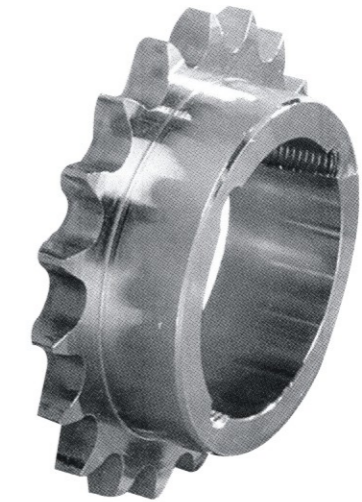
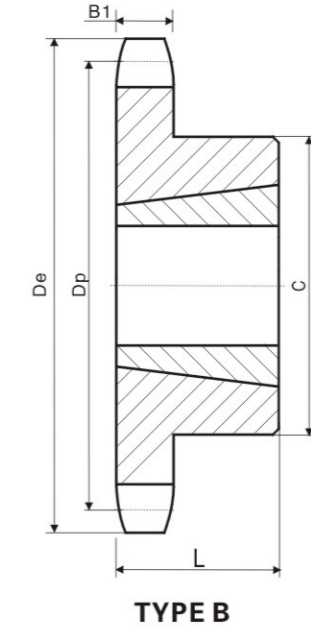


Taper Bore Sprockets American Standard Series NO.80

- Pitch 1"
- Roller Φ 0.625"
- Tooth width B1 0.575"

Single-Taper Bushed with Hardened Teeth

NO. Teeth	Number
10	80BTB10H
11	80BTB11H
12	80BTB12H
13	80BTB13H
14	80BTB14H
15	80BTB15H
16	80BTB16H
17	80BTB17H
18	80BTB18H
19	80BTB19H
20	80BTB20H
21	80BTB21H
22	80BTB22H
23	80BTB23H
24	80BTB24H
25	80BTB25H
26	80BTB26H
27	80BTB27H
28	80BTB28H
30	80BTB30H



Double-Taper Bushed

NO. Teeth	Number	Bushing	De	Dp	Max. Bore	L	C	Type	Weight (Approx)	
									Rim Only	Bushing Only
13	D60BTB13H	1215	3.493	3.134	1 1/4	1 1/2	2 1/2	B	1.2	1.6
14	D60BTB14H	1215	3.736	3.371	1 1/4	1 1/2	2 1/2	B	1.6	1.7
15	D60BTB15H	1615	3.979	3.607	1 1/2	1 1/2	2 3/16	B	1.3	1.8
16	D60BTB16H	1615	4.221	3.844	1 1/2	1 1/2	3	B	2.2	2.3
17	D60BTB17H	1615	4.462	4.082	1 3/8	1 1/2	3 1/4	B	2.5	2.8
18	D60BTB18H	2012	4.704	4.319	2	1 1/4		A	3.0	2.4
19	D60BTB19H	2012	4.945	4.557	2	1 1/4		A	3.5	2.9
20	D60BTB20H	2517	5.185	4.794	1 1/2	1 3/4	3 5/16	B	4.0	2.9
21	D60BTB21H	2517	5.426	5.032	1 1/2	1 3/4	4 1/16	B	5.0	3.8
25	D60BTB25H	2517	6.387	4.984	1 1/2	1 3/4	5 3/16	B	7.5	7.4
30	D60BTB30	2517	7.586	7.175	1 1/2	1 3/4	6 1/16	B	13.5	13.3
36	D60CTB36	2517	9.022	8.605	1 1/2	1 3/4	4 1/4	C	17.5	17.4
42	D60CTB42	2517	10.458	10.036	1 1/2	1 3/4	4 1/4	C	25.5	25.0
45	D60CTB45	2517	11.176	10.752	1 1/2	1 3/4	4 1/4	C	29.5	29.3
52	D60CTB52	2517	12.849	12.422	1 1/2	1 3/4	4 1/4	C	41.0	40.3
60	D60CTB62	2517	14.761	14.330	1 1/2	1 3/4	4 1/4	C1	32.5	33.5
68	D60CTB68	2517	16.672	16.240	1 1/2	1 3/4	4 1/2	C1	36.5	43.2
76	D60CTB76	3020	18.583	18.149	3	2	5 1/4	C1	42.5	47.8
95	D60CTB95	3020	23.121	22.684	3	2	5 1/4	C1	48.5	69.8

NOTE: Double 60 stock sprockets with 25 teeth or less have hardened teeth



Single-Taper Bushed

NO. Teeth	Number	Bushing	De	Dp	Max. Bore	L	C	Type	Weight (Approx)	
									Rim Only	Bushing Only
10	80BTB10	1215	3.678	3.236	1 1/4	1 1/2	2 3/8	B	1.1	.8
11	80BTB11	1215	4.006	3.549	1 1/4	1 1/2	2 3/8	B	1.5	.8
12	80BTB12	1615	4.332	3.864	1 1/2	1 1/2	3	B	1.8	1.2
13	80BTB13	1615	4.657	4.179	1 1/2	1 1/2	3	B	2.3	1.2
14	80BTB14	1615	4.982	4.494	1 1/2	1 1/2	3 1/8	B	2.5	1.2
15	80BTB15	1615	5.305	4.810	1 1/2	1 1/2	3 1/8	B	2.7	1.2
16	80BTB16	2012	5.627	5.126	2	1 1/4	3 9/16	B	2.8	1.7
17	80BTB17	2012	5.950	5.442	2	1 1/4	3 9/16	B	3.1	1.7
18	80BTB18	2012	6.271	5.759	2	1 1/4	3 9/16	B	2.6	1.7
19	80BTB19	2012	6.593	6.076	2	1 1/4	3 9/16	B	4.1	1.7
20	80BTB20	2517	6.914	6.392	2 1/2	1 1/4	4 1/8	B	5.5	1.7
21	80BTB21	2517	7.235	6.710	2 1/2	1 1/4	4 1/8	B	6.0	3.5
22	80BTB22	2517	7.555	7.027	2 1/2	1 1/4	4 1/8	B	6.5	3.5
23	80BTB23	2517	7.875	7.344	2 1/2	1 1/4	4 1/8	B	7.0	3.5
24	80BTB24	2517	8.196	7.661	2 1/2	1 1/4	4 1/8	B	7.5	3.5
25	80BTB25	2517	8.516	7.979	2 1/2	1 1/4	4 1/8	B	8.1	3.5
26	80BTB26	2517	8.836	8.296	2 1/2	1 1/4	4 1/8	B	8.8	3.5
27	80BTB27	2517	9.156	8.614	2 1/2	1 1/4	4 1/8	B	9.0	3.5
28	80BTB28	2517	9.475	8.931	2 1/2	1 1/4	4 1/8	B	9.5	3.5
30	80BTB30	2517	10.114	9.567	2 1/2	1 1/4	4 1/8	B	11.5	3.5
32	80BTB32	2517	10.753	10.202	2 1/2	1 1/4	4 1/8	B	12.0	3.5
35	80BTB35	2517	11.711	11.156	2 1/2	1 1/4	4 1/8	B	15.2	3.5
36	80BTB36	2517	12.030	11.474	2 1/2	1 1/4	4 1/8	B	17.0	3.5
40	80BTB40	2517	13.306	12.746	2 1/2	1 1/4	4 1/8	B	21.0	3.5
45	80BTB45	2517	14.901	14.336	2 1/2	1 1/4	4 1/8	B	26.5	3.5
48	80BTB48	2517	15.857	15.290	2 1/2	1 1/4	4 1/8	B	29.5	3.5
54	80BTB54	2517	17.769	17.198	2 1/2	1 1/4	4 1/8	B	38.5	3.5
60	80BTB60	2517	19.681	19.107	2 1/2	1 1/4	4 1/8	B	45.0	3.5
70	80BTB70	3020	22.867	22.289	3	2	5 1/4	B	52.3	6.5
80	80BTB80	3020	26.052	25.471	3	2	5 1/4	B	69.2	6.5

★ Has recessed groove in hub for chain clearance.

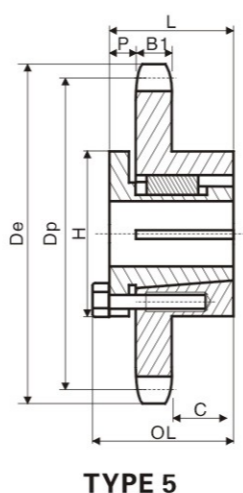
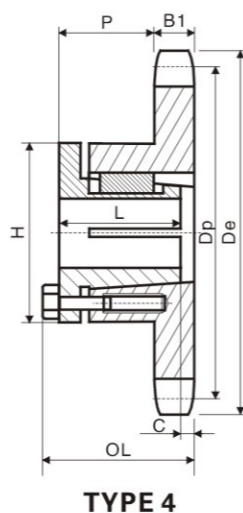
Sprockets With Split Taper Bushings American Standard Series

- Pitch $1\frac{1}{4}''$
- Roller Φ 0.750''
- Tooth width B1 0.692''

Single-Split Taper Bushed

No.100

No.100



Number	Bushing	Bore Range	De	Dp	No. Teeth	Type	B1.	OL	L	P	C	H	Wt. Less Bushing
H100P11	P1	$\frac{1}{2}-1\frac{3}{4}$	5.01	4.437	11	4	.692	$2\frac{3}{16}$	$1\frac{15}{16}$	$1\frac{1}{4}$	0	3"	2.8
H100Q12	Q1	$\frac{3}{4}-2\frac{1}{16}$	5.42	4.830	12	4	.692	$2\frac{7}{32}$	$2\frac{1}{2}$	$1\frac{7}{8}$	$\frac{1}{16}$	$4\frac{1}{8}$	3.5
H100Q13	Q1	$\frac{3}{4}-2\frac{1}{16}$	5.82	5.223	13	4	.692	$2\frac{27}{32}$	$2\frac{1}{2}$	$1\frac{7}{8}$	$\frac{1}{16}$	$4\frac{1}{8}$	4.3
H100Q14	Q1	$\frac{3}{4}-2\frac{1}{16}$	6.23	5.617	14	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	5.6
H100Q15	Q1	$\frac{3}{4}-2\frac{1}{16}$	6.63	6.012	15	4	.692	$2\frac{23}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	6.6
H100Q16	Q1	$\frac{3}{4}-2\frac{1}{16}$	7.03	6.407	16	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	7.4
H100Q17	Q1	$\frac{3}{4}-2\frac{1}{16}$	7.44	6.803	17	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	8.2
H100Q18	Q1	$\frac{3}{4}-2\frac{1}{16}$	7.84	7.198	18	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	9.0
H100Q19	Q1	$\frac{3}{4}-2\frac{1}{16}$	8.24	7.595	19	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	9.8
H100Q20	Q1	$\frac{3}{4}-2\frac{1}{16}$	8.64	7.991	20	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	10.9
H100Q21	Q1	$\frac{3}{4}-2\frac{1}{16}$	9.04	8.387	21	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	11.8
H100Q22	Q1	$\frac{3}{4}-2\frac{1}{16}$	9.44	8.783	22	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	12.6
H100Q23	Q1	$\frac{3}{4}-2\frac{1}{16}$	9.84	9.180	23	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	13.8
H100Q24	Q1	$\frac{3}{4}-2\frac{1}{16}$	10.25	9.577	24	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	15.4
H100R24	R1	$1\frac{1}{8}-3\frac{3}{4}$	10.25	9.577	24	4	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$2\frac{3}{16}$	0	$5\frac{3}{8}$	15.6
H100Q25	Q1	$\frac{3}{4}-2\frac{1}{16}$	10.65	9.973	25	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	16.0
H100Q26	Q1	$\frac{3}{4}-2\frac{1}{16}$	11.05	10.370	26	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	17.3
H100R26	R1	$1\frac{1}{8}-3\frac{3}{4}$	11.05	10.370	26	4	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$2\frac{3}{16}$	0	$5\frac{3}{8}$	17.9
H100R27	R1	$1\frac{1}{8}-3\frac{3}{4}$	11.45	10.767	27	4	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$2\frac{3}{16}$	0	$5\frac{3}{8}$	18.0
H100Q28	Q1	$\frac{3}{4}-2\frac{1}{16}$	11.84	11.164	28	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	19.6
H100Q30	Q1	$\frac{3}{4}-2\frac{1}{16}$	12.64	11.958	30	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	22.4
100P11	P1	$\frac{1}{2}-1\frac{3}{4}$	5.01	4.437	11	4	.692	$2\frac{3}{16}$	$1\frac{15}{16}$	$1\frac{1}{4}$	0	3"	3.0
100Q12	Q1	$\frac{3}{4}-2\frac{1}{16}$	5.42	4.830	12	4	.692	$2\frac{7}{32}$	$2\frac{1}{2}$	$1\frac{7}{8}$	$\frac{1}{16}$	$4\frac{1}{8}$	3.5
100Q13	Q1	$\frac{3}{4}-2\frac{1}{16}$	5.82	5.223	13	4	.692	$2\frac{27}{32}$	$2\frac{1}{2}$	$1\frac{7}{8}$	$\frac{1}{16}$	$4\frac{1}{8}$	4.3
100Q14	Q1	$\frac{3}{4}-2\frac{1}{16}$	6.23	5.617	14	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	5.6
100Q15	Q1	$\frac{3}{4}-2\frac{1}{16}$	6.63	6.012	15	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	6.5
100Q16	Q1	$\frac{3}{4}-2\frac{1}{16}$	7.03	6.407	16	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	7.4
100Q17	Q1	$\frac{3}{4}-2\frac{1}{16}$	7.44	6.803	17	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	8.2
100Q18	Q1	$\frac{3}{4}-2\frac{1}{16}$	7.84	7.198	18	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	9.0
100Q19	Q1	$\frac{3}{4}-2\frac{1}{16}$	8.24	7.595	19	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	9.9
100Q20	Q1	$\frac{3}{4}-2\frac{1}{16}$	8.64	7.991	20	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	10.8
100Q21	Q1	$\frac{3}{4}-2\frac{1}{16}$	9.04	8.387	21	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	11.7
100R21	R1	$1\frac{1}{8}-3\frac{3}{4}$	9.04	8.387	21	4	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$2\frac{3}{16}$	0	$5\frac{3}{8}$	13.3
100Q22	Q1	$\frac{3}{4}-2\frac{1}{16}$	9.44	8.783	22	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	12.5
100Q23	Q1	$\frac{3}{4}-2\frac{1}{16}$	9.84	9.180	23	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	13.9
100Q24	Q1	$\frac{3}{4}-2\frac{1}{16}$	10.25	9.577	24	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	15.5
100R24	R1	$1\frac{1}{8}-3\frac{3}{4}$	10.25	9.577	24	4	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$2\frac{3}{16}$	0	$5\frac{3}{8}$	16.1
100Q25	Q1	$\frac{3}{4}-2\frac{1}{16}$	10.65	9.973	25	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	16.2
100R25	R1	$1\frac{1}{8}-3\frac{3}{4}$	10.65	9.973	25	4	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$2\frac{3}{16}$	0	$5\frac{3}{8}$	17.0
100Q26	Q1	$\frac{3}{4}-2\frac{1}{16}$	11.05	10.370	26	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	17.9
100R26	R1	$1\frac{1}{8}-3\frac{3}{4}$	11.05	10.370	26	4	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$2\frac{3}{16}$	0	$5\frac{3}{8}$	18.5
100Q27	Q1	$\frac{3}{4}-2\frac{1}{16}$	11.45	10.767	27	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	18.2
100R27	R1	$1\frac{1}{8}-3\frac{3}{4}$	11.45	10.767	27	4	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$2\frac{3}{16}$	0	$5\frac{3}{8}$	19.6
100Q28	Q1	$\frac{3}{4}-2\frac{1}{16}$	11.84	11.164	28	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	19.9
100R28	R1	$1\frac{1}{8}-3\frac{3}{4}$	11.84	11.164	28	4	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$2\frac{3}{16}$	0	$5\frac{3}{8}$	21.0
100Q30	Q1	$\frac{3}{4}-2\frac{1}{16}$	12.64	11.958	30	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	22.6
100R30	R1	$1\frac{1}{8}-3\frac{3}{4}$	12.64	11.958	30	4	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$2\frac{3}{16}$	0	$5\frac{3}{8}$	24.5
100R31	R1	$1\frac{1}{8}-3\frac{3}{4}$	13.04	12.356	31	4	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$2\frac{3}{16}$	0	$5\frac{3}{8}$	25.8
100Q32	Q1	$\frac{3}{4}-2\frac{1}{16}$	13.44	12.753	32	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	25.3
100R32	R1	$1\frac{1}{8}-3\frac{3}{4}$	13.44	12.753	32	4	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$2\frac{3}{16}$	0	$5\frac{3}{8}$	26.5
100Q35	Q1	$\frac{3}{4}-2\frac{1}{16}$	14.64	13.945	35	4	.692	$2\frac{25}{32}$	$2\frac{1}{2}$	$1\frac{13}{16}$	0	$4\frac{1}{8}$	30.2
100R35	R1	$1\frac{1}{8}-3\frac{3}{4}$	14.64	13.945	35	4	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$2\frac{3}{16}$	0	$5\frac{3}{8}$	29.8
100R36	R1	$1\frac{1}{8}-3\frac{3}{4}$	15.04	14.342	36	4	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$2\frac{3}{16}$	0	$5\frac{3}{8}$	33.0
100R40	R1	$1\frac{1}{8}-3\frac{3}{4}$	16.63	15.932	40	4	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$2\frac{3}{16}$	0	$5\frac{3}{8}$	40.9
100R42	R1	$1\frac{1}{8}-3\frac{3}{4}$	17.43	16.727	42	4	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$2\frac{3}{16}$	0	$5\frac{3}{8}$	44.3
100R45	R1	$1\frac{1}{8}-3\frac{3}{4}$	18.63	17.920	45	4	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$2\frac{3}{16}$	0	$5\frac{3}{8}$	50.5
100R48	R1	$1\frac{1}{8}-3\frac{3}{4}$	19.82	19.112	48	4	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$2\frac{3}{16}$	0	$5\frac{3}{8}$	57.5
100R54	R1	$1\frac{1}{8}-3\frac{3}{4}$	22.21	21.498	54	5	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$\frac{7}{8}$	$1\frac{5}{16}$	$5\frac{3}{8}$	69.0
100R60	R1	$1\frac{1}{8}-3\frac{3}{4}$	24.55	23.884	60	5	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$\frac{7}{8}$	$1\frac{5}{16}$	$5\frac{3}{8}$	84.0
100R70	R1	$1\frac{1}{8}-3\frac{3}{4}$	28.53	27.862	70	5	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$\frac{7}{8}$	$1\frac{5}{16}$	$5\frac{3}{8}$	104.0
100R72	R1	$1\frac{1}{8}-3\frac{3}{4}$	29.33	28.657	72	5	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$\frac{7}{8}$	$1\frac{5}{16}$	$5\frac{3}{8}$	106.0
100R80	R1	$1\frac{1}{8}-3\frac{3}{4}$	32.52	31.839	80	5	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$\frac{7}{8}$	$1\frac{5}{16}$	$5\frac{3}{8}$	135.0
100R84	R1	$1\frac{1}{8}-3\frac{3}{4}$	34.11	33.430	84	5	.692	$3\frac{3}{32}$	$2\frac{7}{8}$	$\frac{7}{8}$	$1\frac{5}{16}$	$5\frac{3}{8}$	138.0

Sprockets With Split Taper Bushings American Standard Series

- Pitch $1\frac{1}{4}''$
- Roller Φ 0.750''
- Tooth width b1 0.669''
- Tooth width B2 2.077''

Double-Split Taper Bushed

No.100-2

Number	Bushing	Bore Range	De	Dp	No. Teeth	Type	b1	B2	OL	L	P	C	H	Wt. Less Bushing
D100P11	P1	$\frac{1}{2}-1\frac{3}{4}$	5.01	4.437	11	14	.669	2.077	$2\frac{15}{16}$	$1\frac{15}{16}$	$\frac{5}{8}$	$\frac{3}{4}$	3	4.7
D100Q12	Q2	$1-2\frac{3}{8}$	5.42	4.830	12	12	.669	2.077	$4\frac{7}{32}$	$3\frac{1}{2}$	$1\frac{55}{64}$	$\frac{7}{16}$	$4\frac{1}{8}$	5.9
D100Q13	Q													

Sprockets With Split Taper Bushings American Standard Series

□ Pitch 1 1/2" □ Roller Φ 0.875"
□ Tooth width B1 0.924"

Single-Split Taper Bushed

No.120

Number	Bushing	Bore Range	De	Dp	No. Teeth	Type	B1	OL	L	P	C	H	Wt. Less Bushing
120Q11	Q1	3/4 - 2 11/16"	6.01"	5.324"	11	4	0.924"	2 25/32"	2 1/2"	1 9/16"	0	4 1/8"	4.8
120Q12	Q1	3/4 - 2 11/16"	6.50	5.796	12	4	0.924	2 25/32"	2 1/2"	1 9/16	0	4 1/8"	6.3
120Q13	Q1	3/4 - 2 11/16"	6.99	6.268	13	4	0.924	2 25/32"	2 1/2"	1 9/16	0	4 1/8"	7.9
120Q14	Q1	3/4 - 2 11/16"	7.47	6.741	14	4	0.924	2 25/32"	2 1/2"	1 9/16	0	4 1/8"	9.1
120Q15	Q1	3/4 - 2 11/16"	7.96	7.215	15	4	0.924	2 25/32"	2 1/2"	1 9/16	0	4 1/8"	10.4
120Q16	Q1	3/4 - 2 11/16"	8.39	7.689	16	4	0.924	2 25/32"	2 1/2"	1 9/16	0	4 1/8"	11.8
120R16	R1	1 1/8 - 3 3/4"	8.39	7.689	16	4	0.924	3 3/32"	2 7/8"	1 11/16	0	5 3/8"	12.3
120Q17	Q1	3/4 - 2 11/16"	8.88	8.163	17	4	0.924	2 25/32"	2 1/2"	1 9/16	0	4 1/8"	13.4
120R17	R1	1 1/8 - 3 3/4"	8.88	8.163	17	4	0.924	3 3/32"	2 7/8"	1 11/16	0	5 3/8"	13.6
120Q18	Q1	3/4 - 2 11/16"	9.41	8.638	18	4	0.924	2 25/32"	2 1/2"	1 9/16	0	4 1/8"	15.6
120R18	R1	1 1/8 - 3 3/4"	9.41	8.638	18	4	0.924	3 3/32"	3 5/32"	1 9/16	0	5 3/8"	15.9
120R19	R1	1 1/8 - 3 3/4"	9.89	9.113	19	4	0.924	3 3/32"	3 5/32"	1 9/16	0	5 3/8"	16.8
120R20	R1	1 1/8 - 3 3/4"	10.37	9.589	20	4	0.924	3 3/32"	2 7/8"	1 11/16	0	5 3/8"	18.8
120R21	R1	1 1/8 - 3 3/4"	10.85	10.064	21	4	0.924	3 3/32"	2 7/8"	1 11/16	0	5 3/8"	21.0
120R22	R1	1 1/8 - 3 3/4"	11.33	10.540	22	4	0.924	3 3/32"	2 7/8"	1 11/16	0	5 3/8"	22.5
120R23	R1	1 1/8 - 3 3/4"	11.81	11.016	23	4	0.924	3 3/32"	2 7/8"	1 11/16	0	5 3/8"	24.8
120R24	R1	1 1/8 - 3 3/4"	12.29	11.492	24	4	0.924	3 3/32"	2 7/8"	1 11/16	0	5 3/8"	26.9
120R25	R1	1 1/8 - 3 3/4"	12.77	11.968	25	4	0.924	3 3/32"	2 7/8"	1 11/16	0	5 3/8"	29.8
120R26	R1	1 1/8 - 3 3/4"	13.25	12.444	26	5	0.924	3 3/32"	2 7/8"	1 11/16	0	5 3/8"	32.9
120R28	R1	1 1/8 - 3 3/4"	14.21	13.397	28	5	0.924	3 3/32"	2 7/8"	1 11/16	0	5 3/8"	38.3
120R30	R1	1 1/8 - 3 3/4"	15.17	14.350	30	5	0.924	3 3/32"	2 7/8"	1 11/16	0	5 3/8"	43.4
120R32	R1	1 1/8 - 3 3/4"	16.13	15.303	32	5	0.924	3 3/32"	2 7/8"	1 11/16	0	5 3/8"	49.4
120R35	R2	1 3/8 - 3 5/8"	17.57	16.734	35	6	0.924	5 3/32"	4 7/8"	1 15/16	2	5 3/8"	68.0
120R36	R2	1 3/8 - 3 5/8"	18.05	17.211	36	6	0.924	5 3/32"	4 7/8"	1 15/16	2	5 3/8"	72.0
120R40	R2	1 3/8 - 3 5/8"	19.96	19.118	40	6	0.924	5 3/32"	4 7/8"	1 15/16	2	5 3/8"	82.0
120S40	S1	1 11/16 - 4 1/4"	19.96	19.118	40	5	0.924	4 3/4"	4 3/8"	1 1/16	2 3/8	6 3/8"	93.0
120S42	S1	1 11/16 - 4 1/4"	20.92	20.072	42	5	0.924	4 3/4"	4 3/8"	1 1/16	2 3/8	6 3/8"	100.0
120R45	R2	1 3/8 - 3 5/8"	22.35	21.503	45	6	0.924	5 3/32"	4 7/8"	1 15/16	2	5 3/8"	102.0
120S45	S1	1 11/16 - 4 1/4"	22.35	21.503	45	5	0.924	4 3/4"	4 3/8"	1 1/16	2 3/8	6 3/8"	100.0
120S48	S1	1 11/16 - 4 1/4"	23.79	22.935	48	5	0.924	4 3/4"	4 3/8"	1 1/16	2 3/8	6 3/8"	111.0
120S54	S1	1 11/16 - 4 1/4"	26.65	25.798	54	5	0.924	4 3/4"	4 3/8"	1 1/16	2 3/8	6 3/8"	138.0
120R60	R2	1 3/8 - 3 5/8"	29.52	28.661	60	6	0.924	5 3/32"	4 7/8"	1 15/16	2	5 3/8"	179.0
120S60	S1	1 11/16 - 4 1/4"	29.52	28.661	60	5	0.924	4 3/4"	4 3/8"	1 1/16	2 3/8	6 3/8"	180.0
120R70	R2	1 3/8 - 3 5/8"	34.30	33.434	70	6	0.924	5 3/32"	4 7/8"	1 15/16	2	5 3/8"	148.0
120S70	S2	1 7/8 - 4 3/16"	34.30	33.434	70	5	0.924	7 1/8"	6 3/8"	2 11/16	2 7/8	6 3/8"	167.0
120R80	R2	1 3/8 - 3 5/8"	39.08	38.207	80	6	0.924	5 3/32"	4 7/8"	1 15/16	2	5 3/8"	291.0
120S80	S2	1 7/8 - 4 3/16"	39.08	38.207	80	6	0.924	7 1/8"	6 3/8"	2 11/16	2 7/8	6 3/8"	305.0

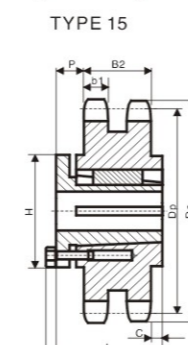
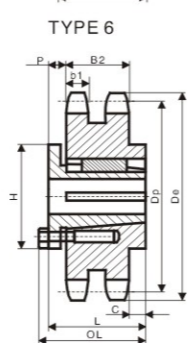
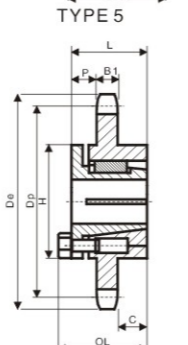
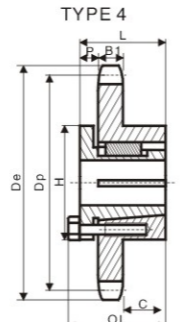
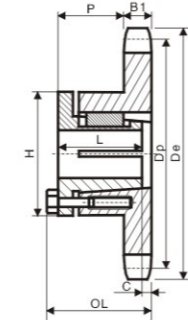
□ Pitch 1 1/2" □ Roller Φ 0.875"
□ Tooth width b1 0.894" □ Tooth width B2 2.683"

Double-Split Taper Bushed

No.120

Number	Bushing	Bore Range	De	Dp	Type	No. Teeth	b1	B2	OL	L	P	C	H	Wt. Less Bushing
D120S30	S1	1 11/16 - 4 1/4"	15.17"	14.350"	15	30	.894"	2.683"	4 3/4"	4 3/8"	1 1/16"	5 8"	6 3/8"	105
D120S35	S1	1 11/16 - 4 1/4"	17.57	16.734	15	35	.894	2.683	4 3/4"	4 3/8"	1 1/16	5 8"	6 3/8"	148
D120S45	S2	1 7/8 - 4 3/16"	22.35	21.503	18	45	.894	2.683	7 1/8"	6 3/4"	2 7/32"	1 27/32"	6 3/8"	268
D120U60	U0	2 3/8 - 5 1/2"	29.52	28.661	15	60	.894	2.683	5 23/32"	5 1/4"	1 9/32"	1 9/32"	8 3/8"	183

No.120 No.120-2



Sprockets With Split Taper Bushings American Standard Series

No.140

□ Pitch 1 3/4" □ Roller Φ 1.000"
□ Tooth width B1 0.924"

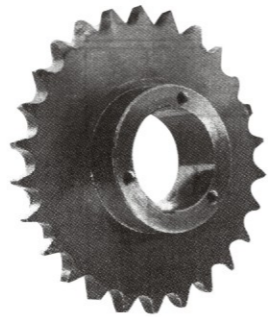
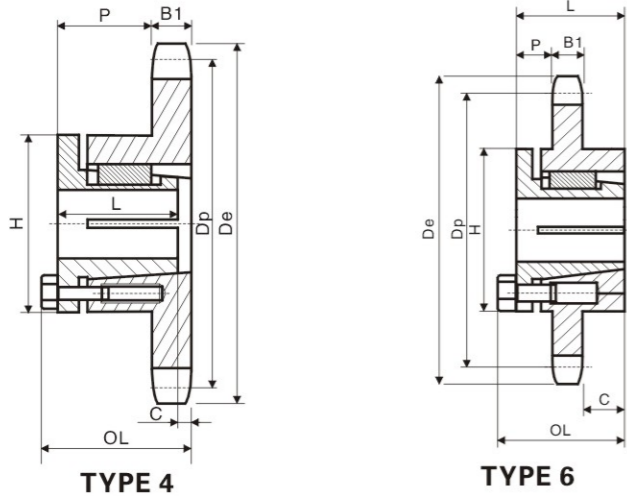
Single-Split Taper Bushed

No.140

Number	Bushing	Bore Range	De	Dp	No. Teeth	Type	B1	OL	L	P	C	H	Wt. Less Bushing
H140Q11	Q1	3/4 - 2 11/16"	7.01"	6.212	11	4	.924"	2 25/32"	2 1/2"	1 9/16"	0	4 1/8"	6.4
H140Q12	Q1	3/4 - 2 11/16"	7.58	6.762	12	4	.924	2 25/32"	2 1/2"	1 9/16	0	4 1/8"	9.0
H140R13	R1	1 1/8 - 3 3/4"	8.15	7.313	13	4	.924	3 5/32"	2 7/8"	1 15/16	0	5 3/8"	11.1
H140R14	R1	1 1/8 - 3 3/4"	8.72	7.864	14	4	.924	3 5/32"	2 7/8"	1 15/16	0	5 3/8"	12.6
H140R15	R1	1 1/8 - 3 3/4"	9.28	8.417	15	4	.924	3 5/32"	2 7/8"	1 15/16	0	5 3/8"	14.7
H140R16	R1	1 1/8 - 3 3/4"	9.85	8.970	16	4	.924	3 5/32"	2 7/8"	1 15/16	0	5 3/8"	16.5
H140R17	R1	1 1/8 - 3 3/4"	10.41	9.524	17	4	.924	3 5/32"	2 7/8"	1 15/16	0	5 3/8"	18.5
H140R18	R1	1 1/8 - 3 3/4"	10.97	10.078	18	4	.924	3 5/32"	2 7/8"	1 15/16	0	5 3/8"	20.5
H140R19	R1	1 1/8 - 3 3/4"	11.54	10.632	19	4	.924	3 5/32"	2 7/8"	1 15/16	0	5 3/8"	23.0
H140R20	R1	1 1/8 - 3 3/4"	12.10	11.187	20	4	.924	3 5/32"	2 7/8"	1 15/16	0	5 3/8"	25.4
H140R21	R1	1 1/8 - 3 3/4"	12.66	11.742	21	4	.924	3 5/32"	2 7/8"	1 15/16	0	5 3/8"	27.8
H140R22	R1	1 1/8 - 3 3/4"	13.22	12.297	22	5	.924	3 5/32"	2 7/8"	7/8"	1 1/16"	5 3/8"	32.5
H140R23	R1	1 1/8 - 3 3/4"	13.78	12.852	23	5	.924	3 5/32"	2 7/8"	7/8"	1 1/16"	5 3/8"	36.0
H140R24	R1	1 1/8 - 3 3/4"	14.34	13.407	24	5	.924	3 5/32"	2 7/8"	7/8"	1 1/16"	5 3/8"	37.6
H140R25	R1	1 1/8 - 3 3/4"	14.90	13.963	25	5	.924	3 5/32"	2 7/8"	7/8"	1 1/16"	5 3/8"	40.3
H140R26	R1	1 1/8 - 3 3/4"	15.46	14.513	26	5	.924	3 5/32"	2 7/8"	7/8"	1 1/16"	5 3/8"	44.0
H140R30	R2	1 3/8 - 3 5/8"	17.70	16.742	30	5	.924	5 5/32"	4 7/8"	7/8"	2	5 3/8"	68.0
140Q11	Q1	3/4 - 2 11/16"	7.01"	6.212	11	4	.924"	2 25/32"	2 1/2"	1 9/16"	0	4 1/8"	6.4
140Q12	Q1	3/4 - 2 11/16"	7.58	6.762	12	4	.924	2 25/32"	2 1/2"	1 9/16	0	4 1/8"	9.0
140R13	R1	1 1/8 - 3 3/4"	8.15	7.313	13	4	.924	3 5/32"	2 7/8"	1 15/16	0	5 3/8"	11.1
140R14	R1	1 1/8 - 3 3/4"	8.72	7.864	14	4	.924	3 5/32"	2 7/8"	1 15/16	0	5 3/8"	12.6
140R15	R1	1 1/8 - 3 3/4"	9.28	8.417	15	4	.924	3 5/32"	2 7/8"	1 15/16	0	5 3/8"	14.7
140R16	R1	1 1/8 - 3 3/4"	9.85	8.970	16	4	.924	3 5/32"	2 7/8"	1 15/16	0	5 3/8"	16.5
140R17	R1	1 1/8 - 3 3/4"	10.41	9.524	17	4	.924	3 5/32"	2 7/8"	1 15/16	0	5 3/8"	18.5
140R18	R1	1 1/8 - 3 3/4"	10.97	10.078	18	4	.924	3 5/32"	2 7/8"	1 15/16	0	5 3/8"	20.5
140R19	R1	1 1/8 - 3 3/4"	11.54	10.632	19	4	.924	3 5/32"	2 7/8"	1 15/16	0	5 3/8"	23.0
140R20	R1	1 1/8 - 3 3/4"	12.10	11.187	20	4	.924	3 5/32"	2 7/8"	1 15/16	0	5 3/8"	25.4
140R21	R1	1 1/8 - 3 3/4"	12.66	11.742	21	4	.924	3 5/32"	2 7/8"	1 15/16	0	5 3/8"	27.8
140R22	R1	1 1/8 - 3 3/4"	13.22	12.297	22	5	.924	3 5/32"	2 7/8"	7/8"	1 1/16"	5 3/8"	32.5
140R23	R1	1 1/8 - 3 3/4"	13.78	12.852	23	5	.924	3 5/32"	2 7/8"	7/8"	1 1/16"	5 3/8"	36.0
140R24	R1	1 1/8 - 3 3/4"	14.34	13.407	24	5	.924	3 5/32"	2 7/8"	7/8"	1 1/16"	5 3/8"	37.6
140R25	R1	1 1/8 - 3 3/4"	14.90	13.963	25	5	.924	3 5/32"	2 7/8"	7/8"	1 1/16"	5 3/8"	40.3
140R26	R1	1 1/8 - 3 3/4"	15.46	14.513	26	5	.924	3 5/32"	2 7/8"	7/8"	1 1/16"	5 3/8"	44.0
140R30	R2	1 3/8 - 3 5/8"	17.70	16.742	30	6	.924	5 5/32"	4 7/8"	7/8"	2	5 3/8"	68.0
140R35	R2	1 3/8 - 3 5/8"	20.49	19.523	35	6	.924	5 5/32"	4 7/8"	7/8"	2	5 3/8"	88.0
140R36	R2	1 3/8 - 3 5/8"	21.05	20.079	36	6	.924	5 5/32"	4 7/8"	7/8"	2	5 3/8"	90.0

Sprockets With Split Taper Bushings American Standard Series

Pitch 2 " Roller Φ 1.125 "
Tooth width B1 1.156 "



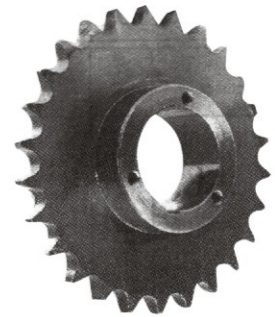
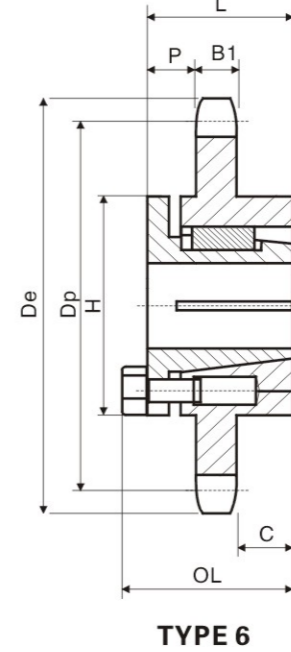
Single-Split Taper Bushed

No.160

Number	Bushing	Bore Range	De	Dp	Number Teeth	Type	B1	OL	L	P	C	H	Wt. Less Bushing
H160R11	R1	1 5/8-3 3/4	8.01"	7.099"	11	4	1.156"	3 13/32	2 7/8*	1 31/32*	1/4*	5 3/8*	10.8
H160R12	R1	1 5/8-3 3/4	8.66	7.727	12	4	1.156	3 13/32	2 7/8	1 31/32	1/4	5 3/8	14.2
H160R13	R1	1 5/8-3 3/4	9.31	8.357	13	4	1.156	3 5/32	2 7/8	1 23/32	0	5 3/8	15.2
H160R14	R1	1 5/8-3 3/4	9.96	8.988	14	4	1.156	3 5/32	2 7/8	1 23/32	0	5 3/8	18.5
H160R15	R1	1 5/8-3 3/4	10.61	9.62	15	4	1.156	3 5/32	2 7/8	1 23/32	0	5 3/8	21.6
H160R16	R1	1 5/8-3 3/4	11.25	10.252	16	4	1.156	3 5/32	2 7/8	1 23/32	0	5 3/8	25.0
H160R17	R1	1 5/8-3 3/4	11.90	10.885	17	4	1.156	3 5/32	2 7/8	1 23/32	0	5 3/8	28.0
H160R18	R1	1 5/8-3 3/4	12.54	11.518	18	4	1.156	3 5/32	2 7/8	1 23/32	0	5 3/8	31.9
H160R19	R1	1 5/8-3 3/4	13.19	12.151	19	4	1.156	3 5/32	2 7/8	1 23/32	0	5 3/8	35.9
H160R20	R2	1 5/8-3 3/4	13.83	12.785	20	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	51.0
H160R21	R2	1 5/8-3 3/4	14.47	13.419	21	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	56.0
H160R22	R2	1 5/8-3 3/4	15.11	14.053	22	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	60.0
H160R23	R2	1 5/8-3 3/4	15.75	14.688	23	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	65.0
H160R24	R2	1 5/8-3 3/4	16.39	15.323	24	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	71.5
H160R25	R2	1 5/8-3 3/4	17.03	15.958	25	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	74.0
H160S26	S2	1 5/8-4 3/16	17.67	16.593	26	6	1.156	7 1/8	6 3/4	2 23/32	2 7/8	6 3/8	79.0
H160S28	S2	1 5/8-4 3/16	18.95	17.863	28	6	1.156	7 1/8	6 3/4	2 23/32	2 7/8	6 3/8	99.8
H160S30	S2	1 5/8-4 3/16	20.23	19.134	30	6	1.156	7 1/8	6 3/4	2 23/32	2 7/8	6 3/8	115
160R11	R1	1 5/8-3 3/4	8.01"	7.099"	11	4	1.156"	3 13/32*	2 7/8*	1 31/32*	1/4*	5 3/8*	10.8
160R12	R1	1 5/8-3 3/4	8.66	7.727	12	4	1.156	3 13/32	2 7/8	1 31/32	1/4	5 3/8	14.2
160R13	R1	1 5/8-3 3/4	9.31	8.357	13	4	1.156	3 5/32	2 7/8	1 23/32	0	5 3/8	15.2
160R14	R1	1 5/8-3 3/4	9.96	8.988	14	4	1.156	3 5/32	2 7/8	1 23/32	0	5 3/8	18.5
160R15	R1	1 5/8-3 3/4	10.61	9.620	15	4	1.156	3 5/32	2 7/8	1 23/32	0	5 3/8	21.6
160R16	R1	1 5/8-3 3/4	11.25	10.252	16	4	1.156	3 5/32	2 7/8	1 23/32	0	5 3/8	25.0
160R17	R1	1 5/8-3 3/4	11.90	10.885	17	4	1.156	3 5/32	2 7/8	1 23/32	0	5 3/8	28.0
160R18	R1	1 5/8-3 3/4	12.54	11.518	18	4	1.156	3 5/32	2 7/8	1 23/32	0	5 3/8	31.9
160R19	R1	1 5/8-3 3/4	13.19	12.151	19	4	1.156	3 5/32	2 7/8	1 23/32	0	5 3/8	35.9
160R20	R2	1 5/8-3 3/4	13.83	12.785	20	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	51.0
160R21	R2	1 5/8-3 3/4	14.47	13.419	21	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	56.0
160R22	R2	1 5/8-3 3/4	15.11	14.053	22	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	60.0
160R23	R2	1 5/8-3 3/4	15.75	14.688	23	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	65.0
160R24	R2	1 5/8-3 3/4	16.39	15.323	24	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	71.5
160R25	R2	1 5/8-3 3/4	17.03	15.958	25	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	74.0
160R26	R2	1 5/8-3 3/8	17.67	16.593	26	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	79.0
160R28	R2	1 5/8-3 3/8	18.95	17.863	28	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	99.8
160R30	R2	1 5/8-3 3/8	20.23	19.134	30	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	106.0
160S30	S2	1 5/8-4 3/16	20.23	19.134	30	6	1.156	7 1/8	6 3/4	2 23/32	2 7/8	6 3/8	115.0
160S35	S2	1 5/8-4 3/16	23.42	22.312	35	6	1.156	7 1/8	6 3/4	2 23/32	2 7/8	6 3/8	150.0
160S40	S2	1 5/8-4 3/16	26.61	25.491	40	6	1.156	7 1/8	6 3/4	2 23/32	2 7/8	6 3/8	165.0
160S45	S2	1 5/8-4 3/16	29.80	28.671	45	6	1.156	7 1/8	6 3/4	2 23/32	2 7/8	6 3/8	204.0
160U60	U0	2 5/8-5 1/2	39.36	38.215	60	6	1.156	5 25/32	5 1/4	1 21/32	1 15/16	8 3/8	354.0
160U70	U0	2 5/8-5 1/2	45.73	44.578	70	6	1.156	5 25/32	5 1/4	1 21/32	1 15/16	8 3/8	308.0
160U80	U1	2 5/8-5 1/2	52.10	50.943	80	6	1.156	7 19/32	7 1/4	2 19/32	2 7/8	8 3/8	394.0

Sprockets With Split Taper Bushings American Standard Series

Pitch 2 1/2 " Roller Φ 1.562 "
Tooth width B1 1.389 "



Single-Split Taper Bushed

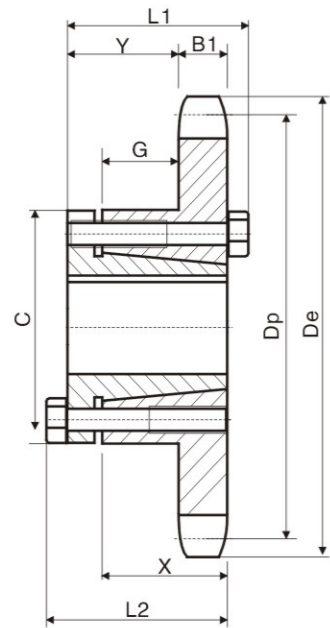
No.200

Number	Bushing	Bore Range	De	Dp	Type	No. Teeth	B1	OL	L	P	C	H	Wt. Less Bushing
200R12	R2	1 3/8-3 3/8"	10.83"	9.660"	6	12	1.389"	5 5/32"	4 7/8"	1 2/1"	2	5 3/8"	35.3
200S13	S2	1 7/8-4 3/16	11.64	10.447	6	13	1.389	7 1/8	6 3/4	2 1/2	2 7/8	6 3/8	52.2
200S14	S2	1 7/8-4 3/16	12.46	11.235	6	14	1.389	7 1/8	6 3/4	2 1/2	2 7/8	6 3/8	57.5
200S15	S2	1 7/8-4 3/16	13.26	12.025	6	15	1.389	7 1/8	6 3/4	2 1/2	2 7/8	6 3/8	61.0
200S16	S2	1 7/8-4 3/16	14.07	12.815	6	16	1.389	7 1/8	6 3/4	2 1/2	2 7/8	6 3/8	71.0
200S17	S2	1 7/8-4 3/16	14.87	13.605	6	17	1.389	7 1/8	6 3/4	2 1/2	2 7/8	6 3/8	79.0
200U18	U0	2 5/8-5 1/2	15.68	14.397	6	18	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	76.5
200U19	U0	2 5/8-5 1/2	16.48	15.190	6	19	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	83.7
200U20	U0	2 5/8-5 1/2	17.26	15.982	6	20	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	91.3
200U21	U0	2 5/8-5 1/2	18.09	16.775	6	21	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	99.4
200U22	U0	2 5/8-5 1/2	18.89	17.567	6	22	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	110.0
200U23	U0	2 5/8-5 1/2	19.69	18.360	6	23	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	117.0
200U24	U0	2 5/8-5 1/2	20.49	19.152	6	24	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	126.0
200U25	U0	2 5/8-5 1/2	21.29	19.947	6	25	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	140.0
200U26	U0	2 5/8-5 1/2	22.09	20.740	6	26	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	150.0
200U28	U0	2 5/8-5 1/2	23.69	22.330	6	28	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	169.0
200U30	U0	2 5/8-5 1/2	25.29	23.917	6	30	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	188.0
200U32	U0	2 5/8-5 1/2	26.88	25.505	6	32	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	212.0
200U35	U1	2 5/8-5 1/2	29.28	27.890	6	65	1.389	7 19/32	7 1/8	2 7/8	2 7/8	8 3/8	252.0
200U40	U1	2 5/8-5 1/2	33.27	31.865	6	40	1.389	7 19/32	7 1/8	2 7/8	2 7/8	8 3/8	306.0
200U45	U1	2 5/8-5 1/2	37.25	35.840	6	45	1.389	7 19/32	7 1/8	2 7/8	2 7/8	8 3/8	290.0
200U54	U2	2 7/16-5	44.42	42.995	6	54	1.389	10 19/32	10 1/8	3 29/32	4 1/4	8 3/8	385.0
200U60	U2	2 7/16-5	49.20	47.767	6	60	1.389	10 19/32	10 1/8	3 29/32	4 1/4	8 3/8	445.0

Sprockets With QD Bushings American Standard Series

NO.35

Pitch $\frac{3}{8}$ " Roller Φ 0.200"
 Tooth width B1 0.168"



QD-TYPE B



Power Transmission Professional

Single-Type "QD"

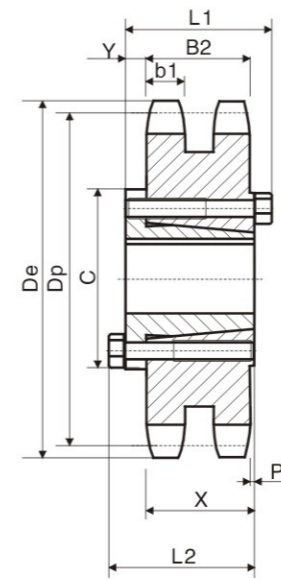
No.35

No Teeth	Number	Bushing	De	Dp	Type	Max. Bore	L1	L2	C	Y	G	X	B1	Weight(Approx.)	
														With Hub	Rim Only
19	35JA19	JA	2.470	2.278	B	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	.168	1.18	.28
20	35JA20	JA	2.590	2.397	B	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	.168	1.22	.32
21	35JA21	JA	2.710	2.516	B	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	.168	1.24	.34
22	35JA22	JA	2.830	2.635	B	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	.168	1.26	.36
23	35JA23	JA	2.950	2.754	B	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	.168	1.28	.38
24	35JA24	JA	3.070	2.873	B	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	.168	1.30	.40
25	35JA25	JA	3.190	2.992	B	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	.168	1.34	.44
26	35JA26	JA	3.310	3.111	B	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	.168	1.36	.46
27	35JA27	JA	3.430	3.230	B	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	.168	1.38	.48
28	35JA28	JA	3.550	3.349	B	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	.168	1.42	.52
30	35JA30	JA	3.790	3.588	B	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	.168	1.46	.56
32	35JA32	JA	4.030	3.826	B	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	.168	1.68	.78
35	35JA35	JA	4.390	4.183	B	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	.168	1.94	1.04
36	35JA36	SH	4.510	4.303	B	1 5/8	1 7/16	1 7/16	2 1/16	1 5/64	41/64	13/16	.168	2.06	1.06
40	35JA40	SH	4.990	4.780	B	1 5/8	1 7/16	1 7/16	2 1/16	1 5/64	41/64	13/16	.168	2.18	1.18
42	35JA42	SH	5.230	5.018	B	1 5/8	1 7/16	1 7/16	2 1/16	1 5/64	41/64	13/16	.168	2.26	1.26
45	35JA45	SH	5.590	5.376	B	1 5/8	1 7/16	1 7/16	2 1/16	1 5/64	41/64	13/16	.168	2.40	1.40
48	35JA48	SH	5.950	5.734	B	1 5/8	1 7/16	1 7/16	2 1/16	1 5/64	41/64	13/16	.168	2.58	1.58
54	35JA54	SH	6.660	6.449	B	1 5/8	1 7/16	1 7/16	2 1/16	1 5/64	41/64	13/16	.168	2.88	1.88
60	35JA60	SH	7.380	7.165	B	1 5/8	1 7/16	1 7/16	2 1/16	1 5/64	41/64	13/16	.168	3.28	2.28
70	35JA70	SH	8.580	8.358	B	1 5/8	1 7/16	1 7/16	2 1/16	1 5/64	41/64	13/16	.168	3.94	2.94
72	35JA72	SH	8.810	8.597	B	1 5/8	1 7/16	1 7/16	2 1/16	1 5/64	41/64	13/16	.168	4.14	3.14
80	35JA80	SH	9.770	9.552	B	1 5/8	1 7/16	1 7/16	2 1/16	1 5/64	41/64	13/16	.168	4.68	3.68
84	35JA84	SH	10.250	10.029	B	1 5/8	1 7/16	1 7/16	2 1/16	1 5/64	41/64	13/16	.168	4.86	3.96
96	35JA96	SH	11.680	11.461	B	1 5/8	1 7/16	1 7/16	2 1/16	1 5/64	41/64	13/16	.168	6.38	5.38
112	35JA112	SH	13.590	13.371	B	1 5/8	1 7/16	1 7/16	2 1/16	1 5/64	41/64	13/16	.168	7.60	6.60

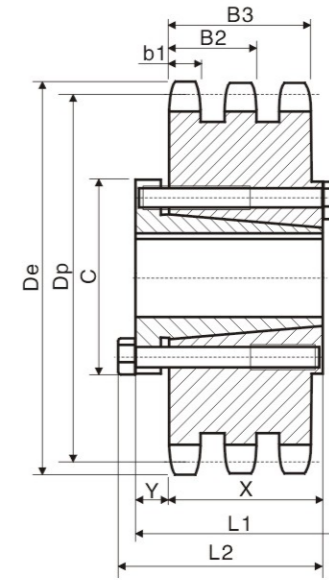
Sprockets With QD Bushings American Standard Series

NO.35-2 NO.35-3

Pitch $\frac{3}{8}$ " Roller Φ 0.200"
 Tooth width b1 0.162" Tooth width B2 0.561" Tooth width B3 0.960"



QD-TYPE C



QD-TYPE C

Double-Type "QD"

No.35-2

No Teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	P	X	b1	B2	Weight(Approx.)	
															With Hub	Rim Only
68	D35SDS68	SDS	8.340	8.120	C	2	1 1/2	1 1/2	3 3/16	9/16	3/16	3/4	.162	.561	8.40	7.40
72	D35SDS72	SDS	8.810	8.597	C	2	1 1/2	1 1/2	3 3/16	9/16	3/16	3/4	.162	.561	9.28	8.28
76	D35SDS76	SDS	9.290	9.074	C	2	1 1/2	1 1/2	3 3/16	9/16	3/16	3/4	.162	.561	10.32	9.32
84	D35SK84	SK	10.250	10.029	C	2 5/8	2 1/8	2 1/8	3 7/8	5/8	11/16	1 1/4	.162	.561	13.94	11.94
95	D35SK95	SK	11.560	11.342	C	2 5/8	2 1/8	2 1/8	3 7/8	5/8	11/16	1 1/4	.162	.561	17.22	15.22
96	D35SK96	SK	11.680	11.461	C	2 5/8	2 1/8	2 1/8	3 7/8	5/8	11/16	1 1/4	.162	.561	17.74	15.74
102	D35SK102	SK	12.400	12.177	C	2 5/8	2 1/8	2 1/8	3 7/8	5/8	11/16	1 1/4	.162	.561	19.76	17.76

Triple-Type "QD"

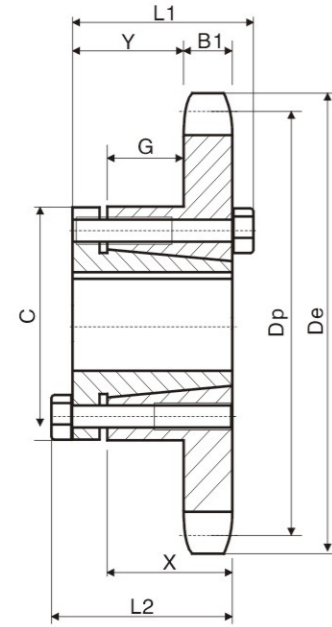
No.35-3

No Teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	P	X	b1	B3	Weight(Approx.)	
															With Hub	Rim Only
68	E35SK68	SK	8.340	8.120	C	2 5/8	2 1/8	2 1/8	3 7/8	5/8	19/64	1 1/4	.162	.960	13.90	11.90
72	E35SK72	SK	8.810	8.597	C	2 5/8	2 1/8	2 1/8	3 7/8	5/8	19/64	1 1/4	.162	.960	15.56	13.56
76	E35SK76	SK	9.290	9.074	C	2 5/8	2 1/8	2 1/8	3 7/8	5/8	19/64	1 1/4	.162	.960	17.42	15.42
84	E35SK84	SK	10.250	10.029	C	2 5/8	2 1/8	2 1/8	3 7/8	5/8	19/64	1 1/4	.162	.960	20.92	18.92
95	E35SK95	SK	11.560	11.342	C	2 5/8	2 1/8	2 1/8	3 7/8	5/8	19/64	1 1/4	.162	.960	26.76	24.76
96	E35SK96	SK	11.680	11.461	C	2 5/8	2 1/8	2 1/8	3 7/8	5/8	19/64	1 1/4	.162	.960	27.58	25.58
102	E35SK102	SK	12.400	12.177	C	2 5/8	2 1/8	2 1/8	3 7/8	5/8	19/64	1 1/4	.162	.960	31.18	29.18

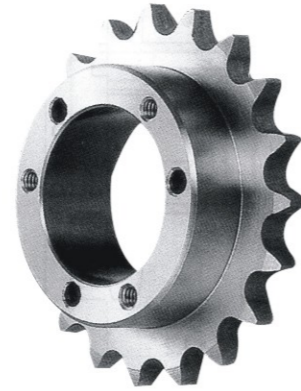
Sprockets With QD Bushings American Standard Series

NO.41

- Pitch 1/2"
- Roller Φ 0.306"
- Tooth width B1 0.227"



QD-TYPE B



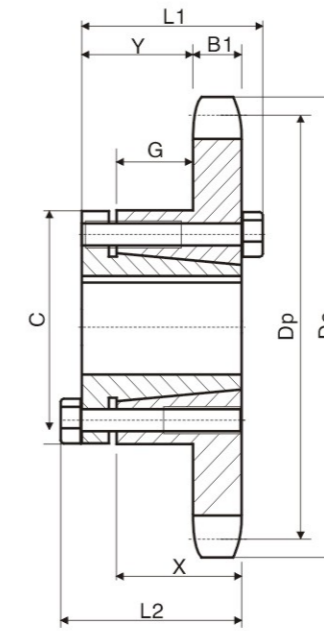
Sprockets With QD Bushings American Standard Series

NO.40

- Pitch 1/2"
- Roller Φ 0.312"
- Tooth width B1 0.284"

Single-Type "QD" With Hardened Teeth

No Teeth	Number
15	40JA15H
16	40JA16H
17	40JA17H
18	40JA18H
19	40JA19H
20	40SH20H
21	40SH21H
22	40SH22H
23	40SH23H
24	40SH24H
25	40SH25H
26	40SH26H
27	40SH27H
28	40SH28H
30	40SH30H



QD-TYPE B



Single-Type "QD"

No.41

No Teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	G	X	B1	Weight(Approx.)	
														With Hub	Rim Only
15	41JA15	JA	2.650	2.405	B	1/4	1/8	1/8	2/16	49/64	25/64	8/5	.227	1.22	.32
16	41JA16	JA	2.810	2.563	B									1.30	.40
17	41JA17	JA	2.980	2.721	B									1.40	.50
18	41JA18	JA	3.140	2.879	B									1.50	.60
19	41JA19	JA	3.300	3.038	B	1/4	1/8	1/8	2/16	49/64	25/64	8/5	.227	1.58	.68
20	41SH20	SH	3.460	3.196	B	5/8	1/16	1/16	2/16	1/32	3/16	13/16	.227	1.78	.78
21	41SH21	SH	3.620	3.355	B									1.82	.82
22	41SH22	SH	3.780	3.513	B									2.06	1.06
23	41SH23	SH	3.940	3.672	B									2.14	1.14
24	41SH24	SH	4.100	3.831	B									2.16	1.16
25	41SH25	SH	4.260	3.989	B									2.22	1.22
26	41SH26	SH	4.420	4.148	B									2.26	1.26
27	41SH27	SH	4.580	4.307	B									2.40	1.40
28	41SH28	SH	4.740	4.466	B									2.54	1.54
30	41SH30	SH	5.060	4.783	B									2.58	1.58
32	41SH32	SH	5.380	5.101	B									2.68	1.68
35	41SH35	SH	5.860	5.578	B	1/2	1/16	1/16	2/16	1/32	3/16	13/16	.227	3.46	2.47
36	41SDS36	SDS	6.020	5.737	B	2	1/2	1/2	3/16	1/32	17/72	3/4	.227	2.92	1.92
40	41SDS40	SDS	6.650	6.373	B									3.32	2.32
42	41SDS42	SDS	6.970	6.691	B									3.44	2.44
45	41SDS45	SDS	7.450	7.168	B									3.76	2.76
48	41SDS48	SDS	7.930	7.645	B									4.36	3.36
54	41SDS54	SDS	8.890	8.599	B									4.98	3.98
60	41SDS60	SDS	9.840	9.554	B	2	1/2	1/2	3/16	1/32	17/72	3/4	.227	6.54	5.54
70	41SK70	SK	11.430	11.145	B	2 5/8	2/8	2/8	3/8	1/16	1/32	1/4	.227	9.42	7.42
72	41SK72	SK	11.750	11.463	B									10.02	8.02
80	41SK80	SK	13.030	12.736	B									11.64	9.64
84	41SK84	SK	13.660	13.372	B									12.40	10.40
96	41SK96	SK	15.570	15.281	B									14.82	12.82
112	41SK112	SK	18.120	17.828	B	2 5/8	2/8	2/8	3/8	1/16	1/32	1/4	.227	19.28	17.28

Single-Type "QD"

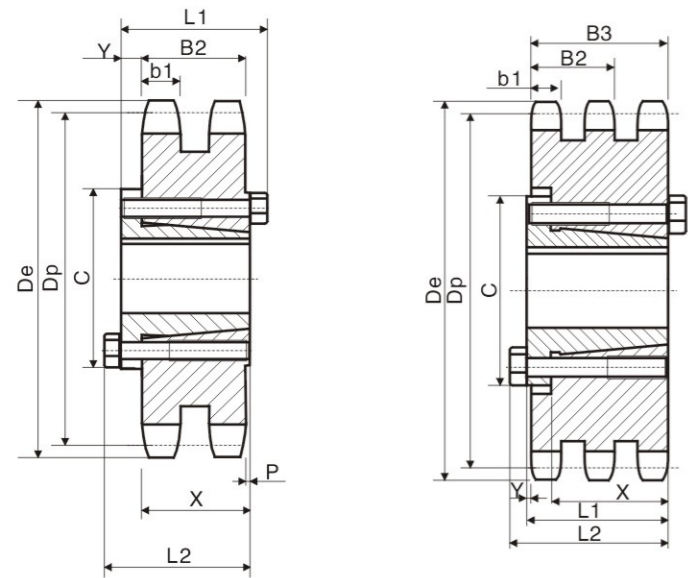
No.40

No Teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	G	X	B1	Weight(Approx.)	
														Rim Only	With Hub
15	41JA15	JA	2.650	2.405	B	1/4	1/8	1/8	2/16	23/32	11/32	5/8	.284	1.24	.34
16	41JA16	JA	2.810	2.563	B									1.30	.40
17	41JA17	JA	2.890	2.721	B									1.38	.48
18	41JA18	JA	3.140	2.879	B									1.44	.54
19	41JA19	JA	3.300	3.038	B	1/4	1/8	1/8	2/16	23/32	11/32	5/8	.284	1.50	.60
20	41SH20	SH	3.460	3.196	B									1.76	.76
21	41SH21	SH	3.620	3.355	B									1.84	.84
22	41SH22	SH	3.780	3.513	B									1.92	.92
23	41SH23	SH	3.940	3.672	B									2.14	1.14
24	41SH24	SH	4.100	3.831	B									2.22	1.22
25	41SH25	SH	4.260	3.989	B									2.30	1.30
26	41SH26	SH	4.420	4.148	B									2.44	1.44
27	41SH27	SH	4.580	4.307	B									2.46	1.46
28	41SH28	SH	4.740	4.466	B									2.54	1.54
30	41SH30	SH	5.060	4.783	B									2.72	1.72
32	41SH32	SH	5.380	5.101	B									2.90	1.90
35	41SH35	SH	5.860	5.578	B	1/2	1/16	1/16	3	31/32	17/32	13/16	.284	3.22	2.22
36	41SDS36	SDS	6.020	5.737	B	2	1/2	1/2	3/16	1/32	15/32	3/4	.284	3.20	2.20
40	41SDS40	SDS	6.650	6.373	B									3.72	2.72
42	41SDS42	SDS	6.970	6.691	B									3.92	2.92
45	41SDS45	SDS	7.450	7.168	B									4.32	3.32
48	41SDS48	SDS	7.930	7.645	B									4.70	3.70
54	41SDS54	SDS	8.890	8.599	B									5.78	4.78
60	41SDS60	SDS	9.840	9.554	B	2	1/2	1/2	3/16	1/32	15/32	3/4	.227	6.86	5.86
70	41SK70	SK	11.430	11.145	B	2 5/8	2/8	2/8	3/8	1/16	1/32	1/4	.227	10.68	8.68
72	41SK72	SK	11.750	11.463	B									10.84	8.84
80	41SK80	SK	13.030	12.736	B									13.20	11.20
84	41SK84	SK	13.660	13.372	B									13.56	11.56
96	41SK96	SK	15.570	15.281	B									17.76	15.76
112	41SK112	SK	18.120	17.828	B	2 5/8	2/8	2/8	3/8	1/16	1/32	1/4	.284	22.28	20.28

Sprockets With QD Bushings American Standard Series

NO.40-2
NO.40-3

- Pitch $\frac{1}{2}$ " Roller Φ 0.312"
- Tooth width b1 0.275" Tooth width B2 0.841" Tooth width B3 1.407"



QD-TYPE C

QD-TYPE B

Power Transmission Professional

Double-Type "QD"

No.40-2

No Teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	P	X	b1	B2	Weight(Approx.) With Hub	Rim Only
36	D40SK36	SK	6.020	5.737	C	2 _{5/8}	2 _{1/8}	2 _{1/8}	3 _{7/8}	5 ₈	1 _{3/23}	1 _{1/4}	.275	.841	6.68	4.68
40	D40SK40	SK	6.650	6.373	C										8.02	6.02
42	D40SK42	SK	6.970	6.691	C										8.82	6.82
45	D40SK45	SK	7.450	7.168	C										9.98	7.98
48	D40SK48	SK	7.930	7.645	C										11.22	9.22
52	D40SK52	SK	8.570	8.281	C										13.04	11.04
54	D40SK54	SK	8.890	8.599	C										14.06	12.06
60	D40SK60	SK	9.840	9.554	C	2 _{5/8}	2 _{1/8}	2 _{1/8}	3 _{7/8}	5 ₈	1 _{3/23}	1 _{1/4}	.275	.841	16.98	14.98
68	D40SF68	SF	11.120	10.826	C	2 _{15/16}	2 _{1/4}	2 _{1/4}	4 _{5/8}	3 ₄	1 _{3/23}	1 _{1/4}	.275	.841	22.72	19.72
72	D40SF72	SF	11.750	11.463	C										24.20	22.20
76	D40SF76	SF	12.390	12.099	C										28.20	25.20
84	D40SF84	SF	13.660	13.372	C										33.64	30.64
95	D40SF95	SF	15.410	15.122	C										40.22	37.22
102	D40SF102	SF	16.530	16.236	C										42.70	39.70
112	D40SF112	SF	18.120	17.828	C	2 _{15/16}	2 _{1/4}	2 _{1/4}	4 _{5/8}	3 ₄	1 _{3/23}	1 _{1/4}	.275	.841	52.60	49.60

Triple-Type "QD"

No.40-3

No Teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	X	b1	B3	Weight(Approx.) With Hub	Rim Only
36	E40SK36	SK	6.020	5.737	B	2 _{5/8}	2 _{1/8}	2 _{1/8}	3 _{7/8}	1 _{5/32}	1 _{1/4}	.275	1.407	8.16	6.16
42	E40SK42	SK	6.970	6.691	B									11.92	9.52
48	E40SK48	SK	7.930	7.645	B									15.13	13.16
52	E40SK52	SK	8.570	8.281	B									18.08	16.08
60	E40SK54	SK	9.840	9.554	B	2 _{5/8}	2 _{1/8}	2 _{1/8}	3 _{7/8}	1 _{5/32}	1 _{1/4}	.275	1.407	24.60	22.60
68	E40SF68	SF	11.120	10.826	B	2 _{15/16}	2 _{1/4}	2 _{1/4}	4 _{5/8}	1 _{9/32}	1 _{1/4}	.275	1.407	31.98	29.98
72	E40SF72	SF	11.750	11.463	B									37.40	34.40
76	E40SF76	SF	12.390	12.099	B									51.92	48.92
84	E40SF84	SF	13.660	13.372	B									56.70	53.78
95	E40SF95	SF	15.410	15.122	B									58.94	55.94
102	E40SF102	SF	16.530	16.236	B	2 _{15/16}	2 _{1/4}	2 _{1/4}	4 _{5/8}	1 _{9/32}	1 _{1/4}	.275	1.407	62.24	59.24

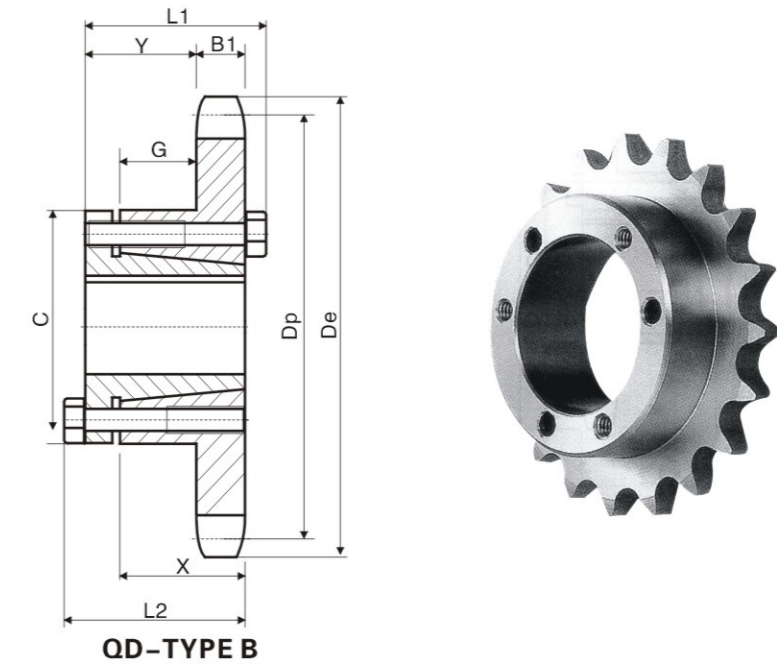
Sprockets With QD Bushings American Standard Series

NO.50

- Pitch $\frac{5}{8}$ " Roller Φ 0.400"
- Tooth width B1 0.343"

Single-Type "QD" With Hardened Teeth

No Teeth	Number
12	50JA12H
13	50JA13H
14	50JA14H
15	50JA15H
16	50JA16H
17	50SH17H
18	50SH18H
19	50SH19H
20	50SDS20H
21	50SDS21H
22	50SDS22H
23	50SDS23H
24	50SDS24H
25	50SDS25H
26	50SDS26H
27	50SDS27H
28	50SDS28H
30	50SDS30H



QD-TYPE B

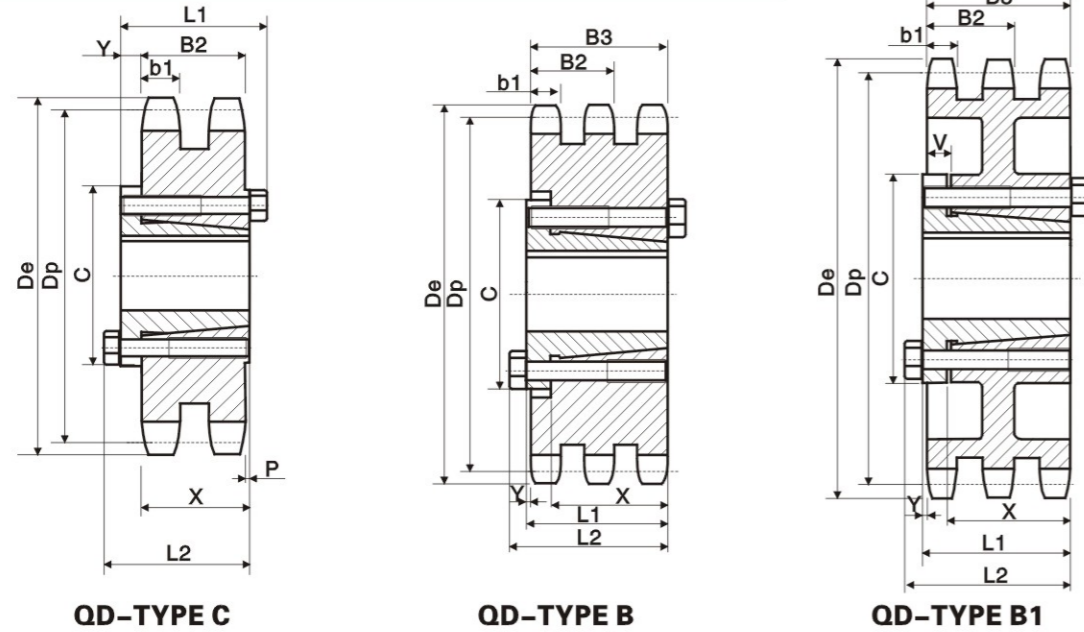
Single-Type "QD"

No.50

No Teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	G	X	B1	Weight(Approx.) With Hub	Rim Only
12	50JA12	JA	2.710	2.415	B	1 _{1/4}	1 _{1/8}	1 _{1/8}	2 _{1/16}	2 _{1/32}	9 ₂₃	5 ₈	.343	1.24	.34
13	50JA13	JA	2.910	2.612	B									1.30	.40
14	50JA14	JA	3.110	2.803	B									1.45	.52
15	50JA15	JA	3.320	3.006	B									1.50	.60
16	50JA16	JA	3.520	3.204	B	1 _{1/4}	1 _{1/8}	1 _{1/8}	2 _{1/16}	2 _{1/32}	9 ₂₃	5 ₈	.343	1.58	.68
17	50SH17	SH	3.720	3.401	B	1 _{5/8}	1 _{7/16}	1 _{7/16}	2 _{11/16}	2 _{9/32}	1 _{5/23}	1 _{3/16}	.343	1.84	.84
18	50SH18	SH	3.920	3.599	B	1 _{5/8}	1 _{7/16}	1 _{7/16}	2 _{11/16}	2 _{9/32}	1 _{5/23}	1 _{3/16}	.343	2.04	1.04
19	50SH19	SH	4.120	3.797	B	1 _{5/8}	1 _{7/16}	1 _{7/16}	2 _{11/16}	2 _{9/32}	1 _{5/23}	1 _{3/16}	.343	2.24	1.24
20	50SDS20	SDS	4.320	3.995	B	2	1 _{1/2}	1 _{1/2}	3 _{3/16}	3 _{1/32}	1 _{3/32}	3 ₄	.343	2.20	1.20
21	50SDS21	SDS	4.520	4.194	B									2.32	1.32
22	50SDS22	SDS	4.720	4.392	B									2.48	1.42
23	50SDS23	SDS	4.920	4.590	B									2.58	1.58
24	50SDS24	SDS	5.120	4.788	B									2.70	1.70
25	50SDS25	SDS	5.320	4.987	B									2.86	1.86
26	50SDS26	SDS	5.520	5.185	B									3.00	2.00
27	50SDS27	SDS	5.720	5.384	B									3.12	2.12
28	50SDS28	SDS	5.920	5.582	B									3.32	2.32
30	50SDS30	SDS	6.320	5.979	B									3.64	2.64
32	50SDS32	SDS	6.720	6.376	B									3.98	2.98
35	50SDS35	SDS	7.320	6.972	B									4.62	3.62
36	50SDS36	SDS	7.520	7.171	B									4.64	3.64
40	50SDS40	SDS	8.320	7.966	B									5.74	4.74
42	50SDS42	SDS	8.720	8.363	B									6.40	5.40
45	50SDS45	SDS	9.310	8.960	B									6.90	5.90
48	50SDS48	SDS	9.910	9.556	B	2	1 _{1/2}	1 _{1/2}	3 _{3/16}	3 _{1/32}	1 _{3/32}	3 ₄	.343	7.66	6.66
54	50SK54	SK	11.110	10.749	B	2 _{5/8}	2 _{1/8}	1 _{1/8}	3 _{7/8}	1 _{17/32}	2 _{9/32}	1 _{1/4}	.343	11.68	9.68
60	50SK60	SK	12.300	11.942	B									13.88	11.88
70	50SK70	SK	14.290	13.931	B									17.52	15.52
72	50SK72	SK	14.690	14.329	B	2 _{5/8}	2 _{1/8}	2 _{1/8}	3 _{7/8}	1 _{17/32}	2 _{9/32}	1 _{1/4}	.343	18.44	16.44
80	50SF80	SF	16.280	15.920	B	2 _{15/18}	2 _{1/4}	2 _{1/4}	4 _{5/8}	1 _{21/32}	2 _{9/32}	1 _{1/4}	.343	22.90	19.90
84	50SF84	SF	17.080	16.715	B									25.98	22.98
96	50SF96	SF	19.470	19.102	B									32.88	29.88
112	50SF112	SF	22.650	22.285	B	2 _{15/18}	2 _{1/4}	2 _{1/4}	4 _{5/8}	1 _{21/32}	2 _{9/32}	1 _{1/4}	.343	43.10	40.10

Sprockets With QD Bushings American Standard Series

- Pitch $\frac{5}{8}$ "
- Tooth width b1 0.332"
- Roller Φ 0.400"
- Tooth width B2 1.045"
- Tooth width B3 1.758"



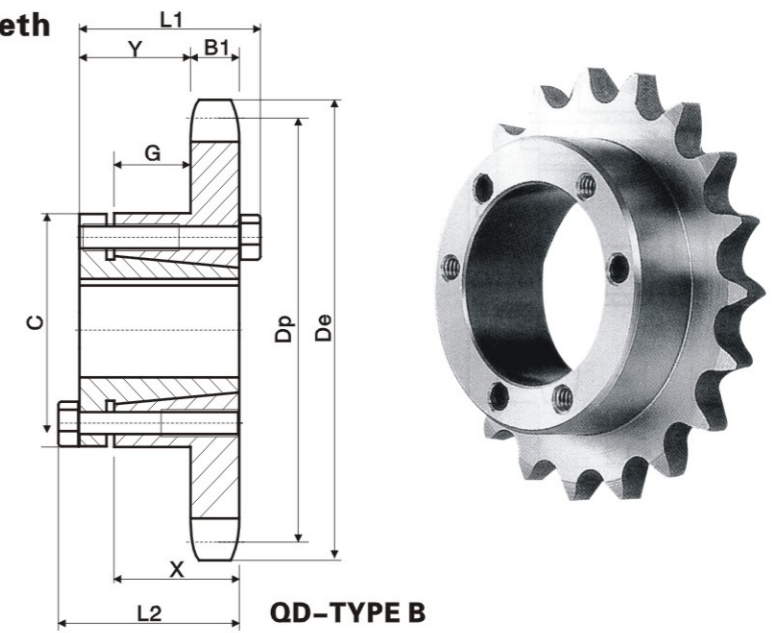
No.50-2 No.50-3

Sprockets With QD Bushings American Standard Series

- Pitch $\frac{3}{4}$ "
- Tooth width B1 0.459"
- Roller Φ 0.468"

Single-Type "QD" With Hardened Teeth

No. Teeth	Number
11	60JA11H
12	60JA12H
13	60JA13H
14	60SH14H
15	60SH15H
16	60SH16H
17	60SDS17H
18	60SDS18H
19	60SDS19H
20	60SDS20H
21	60SDS21H
22	60SDS22H
23	60SDS23H
24	60SDS24H
25	60SDS25H
26	60SK26H
27	60SK27H
28	60SK28H
30	60SK30H



Double-Type "QD"

No teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	P	X	b1	B2	Weight (Approx.)	
															Rim Onhy	Bushing Onhy
36	D50SK36	SK	7.520	7.171	C	2 ⁵ / ₈	2 ¹ / ₈	2 ¹ / ₈	3 ⁷ / ₈	5/8	13/64	1 1/4	.332	1.045	11.08	9.08
42	D50SK42	SK	8.720	8.363	C	2 ⁵ / ₈	2 ¹ / ₈	2 ¹ / ₈	3 ⁷ / ₈	5/8	13/64	1 1/4	.332	1.045	15.16	13.16
48	D50SK48	SF	9.910	9.556	C	2 ¹⁵ / ₁₆	2 ¹ / ₈	2 ¹ / ₈	3 ⁷ / ₈	5/8	13/64	1 1/4	.332	1.045	19.90	17.90
52	D50SF52	SF	10.710	10.351	C	2 ¹⁵ / ₁₆	2 1/4	2 1/4	4 5/8	3/4	13/64	1 1/4	.332	1.045	24.26	21.26
54	D50SF54	SF	11.110	10.749	C										26.18	23.18
60	D50SF60	SF	12.300	11.942	C										32.12	29.12
68	D50SF68	SF	13.890	13.533	C										41.16	38.16
72	D50SF72	SF	14.690	14.329	C										46.28	43.26
76	D50SF76	SF	15.490	15.124	C										47.00	44.00
84	D50SF84	SF	17.080	16.715	C										48.89	45.88
95	D50SF95	SF	19.270	18.093	C										61.80	58.88
102	D50SF102	SF	20.660	20.295	C										69.02	66.02
112	D50SF112	SF	22.650	22.285	C	2 ¹⁵ / ₁₆	2 1/4	2 1/4	4 5/8	3/4	13/64	1 1/4	.332	1.045	88.26	85.26

Triple-Type "QD"

No teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	V	X	b1	B2	Weight (Approx.)	
															With Hub	Rim Onhy
36	E50SK36	SK	7.520	7.171	B	2 ⁵ / ₈	2 ¹ / ₈	2 ¹ / ₈	3 ⁷ / ₈	1/8		1 1/4	.332	1.758	14.8	12.8
42	E50SK42	SK	8.720	8.363	B	2 ⁵ / ₈	2 ¹ / ₈	2 ¹ / ₈	3 ⁷ / ₈	1/8		1 1/4	.332	1.758	21.5	19.5
48	E50SK48	SK	9.910	9.556	B	2 ⁵ / ₈	2 ¹ / ₈	2 ¹ / ₈	3 ⁷ / ₈	1/8		1 1/4	.332	1.758	29.6	27.6
52	E50SF52	SF	10.710	10.351	B	2 ¹⁵ / ₁₆	2 1/4	2 1/4	4 5/8	1/4		1 1/4	.332	1.758	31.6	28.6
60	E50SF60	SF	12.300	11.942	B										42.1	39.1
68	E50SF68	SF	13.890	13.533	B										53.8	50.8
72	E50SF72	SF	14.690	14.329	B1										46.6	43.6
76	E50SF76	SF	15.490	15.124	B1					1/2					49.9	46.9
84	E50SF84	SF	17.080	16.715	B1										53.9	50.9
95	E50SF95	SF	19.270	18.903	B1										62.3	59.3
102	E50SF102	SF	20.660	20.295	B1	2 ¹⁵ / ₁₆	2 1/4	2 1/4	4 5/8	1/4	1/2	1 1/4	.332	1.758	69.3	66.3

NOTE:Triple 50 stock sprockets with 25 teeth or less have hardend teeth.

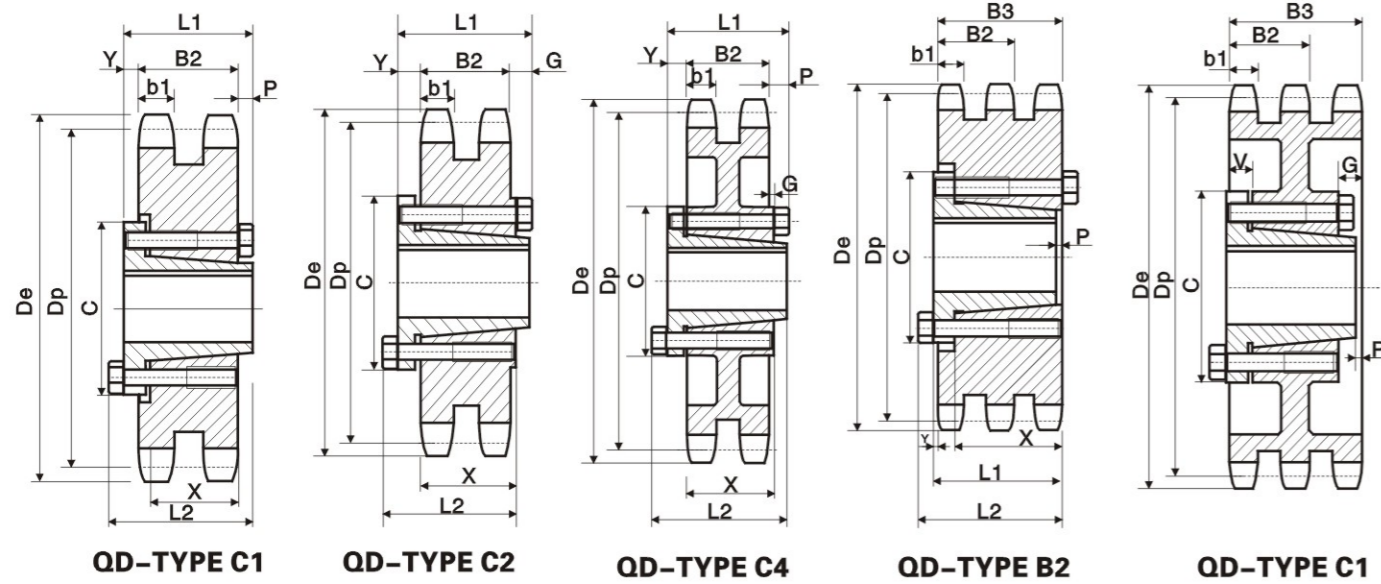
Single-Type "QD"

No. Teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	G	X	B1	Weight (Approx.)	
														With Hub	Rim Onhy
11	60JA11	JA	3.000	2.662	B	1 1/4	1 1/8	1 1/8	2 1/16	35/64	11/64	5/8	.459	1.36	.46
12	60JA12	JA	3.250	2.898	B	1 1/4	1 1/8	1 1/8	2 1/16	35/64	11/64	5/8	.459	1.50	.60
13	60JA13	JA	3.490	3.134	B	1 1/4	1 1/8	1 1/8	2 1/16	35/64	11/64	5/8	.459	1.66	.76
14	60SH14	SH	3.740	3.371	B	1 5/8	1 7/16	1 7/16	2 11/16	51/64	23/64	13/16	.459	1.88	.88
15	60SH15	SH	3.980	3.607	B	1 5/8	1 7/16	1 7/16	2 11/16	51/64	23/64	13/16	.459	2.08	1.08
16	60SH16	SH	4.220	3.844	B	1 5/8	1 7/16	1 7/16	2 11/16	51/64	23/64	13/16	.459	2.26	1.26
17	60SDS17	SDS	4.460	4.082	B	2	1 1/2	1 1/2	3 3/16	51/64	19/64	3/4	.459	2.38	1.38
18	60SDS18	SDS	4.700	4.319	B									2.56	1.56
19	60SDS19	SDS	4.950	4.557	B									2.76	1.76
20	60SDS20	SDS	5.190	4.794	B									3.00	2.00
21	60SDS21	SDS	5.430	5.032	B									3.20	2.20
22	60SDS22	SDS	5.670	5.270	B									3.44	2.44
23	60SDS23	SDS	5.910	5.508	B									3.70	2.70
24	60SDS24	SDS	6.150	5.746	B									3.94	2.94
25	60SDS25	SDS	6.390	5.984	B	2	1 1/2	1 1/2	3 7/16	51/64	19/64	3/4	.459	4.24	3.24
26	60SK26	SK	6.630	6.222	B	2 5/8	2 1/8	2 1/8	3 7/8	1 27/64	51/64	1 1/4	.459	6.18	4.18
27	60SK27	SK	6.870	6.460	B									6.52	4.52
28	60SK28	SK	7.110	6.699	B									6.72	4.72
30	60SK30	SK	7.590	7.175	B									7.34	5.34
32	60SK32	SK	8.070	7.652	B									8.10	6.10
35	60SK35	SK	8.780	8.367	B									9.42	7.42
36	60SK36	SK	9.020	8.605	B									9.70	7.70
40	60SK40	SK	9.980	9.559	B	2 5/8	2 1/8	2 1/8	3 7/8	1 27/64	51/64	1 1/4	.459	11.56	9.56
42	60SF42	SF	10.460	10.036	B	2 ¹⁵ / ₁₆	2 1/4	2 1/4	4 5/8	1 35/64	51/64	1 1/4	.459	13.78	10.78
45	60SF45	SF	11.180	10.752	B									15.40	12.40
48	60SF48	SF	11.890	11.467	B									17.26	14.26
54	60SF54	SF	13.330	12.899	B									20.02	17.02
60	60SF60	SF	14.760	14.331	B									23.76	20.76
70	60SF70	SF	17.150	16.717	B									31.60	28.60
72	60SF72	SF	17.630	17.194	B									32.58	29.58
80	60SF80	SF	19.540	19.103	B									41.24	38.24
84	60SF84	SF	20.490	20.058	B									43.94	40.94
96	60SF96	SF	23.360	22.922	B	2 ¹⁵ / ₁₆	2 1/4	2 1/4	4 5/8	1 35/64	51/64	1 1/4	.459	55.40	52.40
112	60E112	E	27.180	26.742	B1	3 1/2	2 5/8	2 15/16	6	2 3/16	1 11/64	1 5/8	.459	83.76	73.76

Sprockets With QD Bushings American Standard Series

No.60-2 No.60-3

- Pitch $\frac{3}{4}$ "
- Tooth width b_1 0.444"
- Roller Φ 0.468"
- Tooth width B_2 1.341"
- Tooth width B_3 2.238"



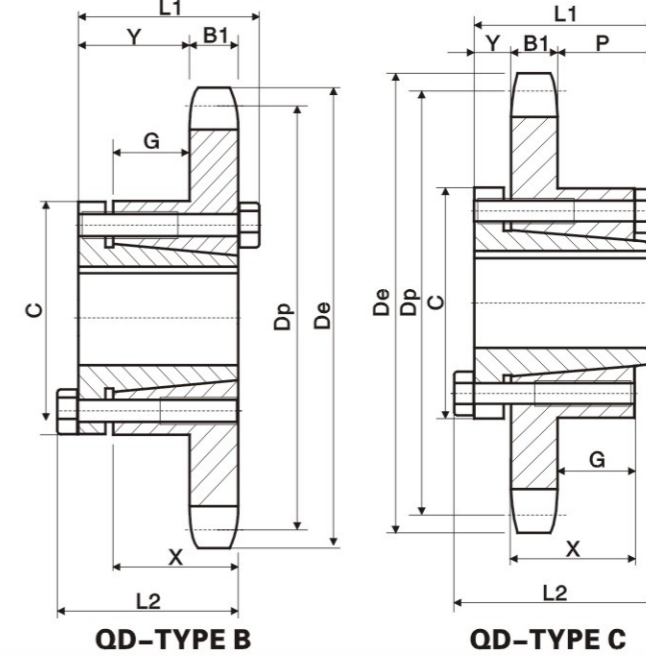
Sprockets With QD Bushings American Standard Series

No.80

- Pitch 1"
- Tooth width B_1 0.575"
- Roller Φ 0.625"

Single-Type "QD" With Hardened Teeth

No. Teeth	Number
11	80SH11H
12	80SH12H
13	80SDS13H
14	80SDS14H
15	80SK15H
16	80SK16H
17	80SK17H
18	80SK18H
19	80SK19H
20	80SF20H
21	80SF21H
22	80SF22H
23	80SF23H
24	80SF24H
25	80SF25H
26	80SF26H
27	80SF27H
28	80SF28H
30	80SF30H



Double-Type "QD"

No. Teeth	Number	Bush- ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	P	G	X	b1	B2	Weight (Approx.)	
																With Hub	Rim Only
14	D60SH14H	SH	3.740	3.371	B★	1 5/8	1 31/32	1 31/32	2 11/16	1/2				.444	1.341	2.5	1.5
22	D60SDS22H	SDS	5.670	5.270	B★	2	1 17/32	1 16/32	3 3/16				3/4	.444	1.341	5.44	4.44
36	D60SF36	SF	9.020	8.605	C1	2 15/16	2	2 1/4	4 5/8	3/4			1 1/4	.444	1.341	19.26	16.26
42	D60E42	E	10.460	10.036	C2	3 1/2	2 5/8	2 15/16	6	7/8	13/32	9/32	1 5/8	.444	1.341	34.04	24.04
45	D60E45	E	11.180	10.752	C2											38.26	28.36
52	D60E52	E	12.850	12.422	C2											49.52	39.52
60	D60E60	E	14.760	14.331	C2											63.39	53.74
68	D60E68	E	16.670	16.240	C4											54.32	44.32
76	D60E76	E	18.580	18.149	C4											61.48	51.48
95	D60E95	E	23.120	22.683	C4	3 1/2	2 5/8	2 15/16	6	7/8	13/32	9/32	1 5/8	.444	1.341	82.96	72.96

★ Not illustrated. Dimensions listed correspond approximately to illustrations shown.

Triple-Type "QD"

No. Teeth	Number	Bush- ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	P	G	V	X	b1	B3	Weight (Approx.)	
																	With Hub	Rim Only
36	E60E36	E	9.020	8.605	B2	3 1/2	2 5/8	2 15/16	6	17/64	1/8			1 5/8	.444	2.238	49	37
42	E60E42	E	10.460	10.036	B2	3 1/2	2 5/8	2 15/16	6	17/64	1/8			1 5/8	.444	2.238	62	50
52	E60E52	E	12.850	12.422	B2	3 1/2	2 5/8	2 15/16	6	17/64	1/8			1 5/8	.444	2.238	80	68
68	E60E68	E	16.670	16.240	C1	3 1/2	2 13/16	3 7/8	6	9/16	3/16	1/8	5/16	1 5/8	.444	2.238	83	71
76	E60E76	E	18.580	18.149	C1	3 1/2	2 13/16	3 7/8	6	9/16	3/16	1/8	5/16	1 5/8	.444	2.238	99	87
95	E60E95	E	23.120	22.683	C1	3 1/2	2 13/16	3 7/8	6	9/16	3/16	1/8	5/16	1 5/8	.444	2.238	129	117

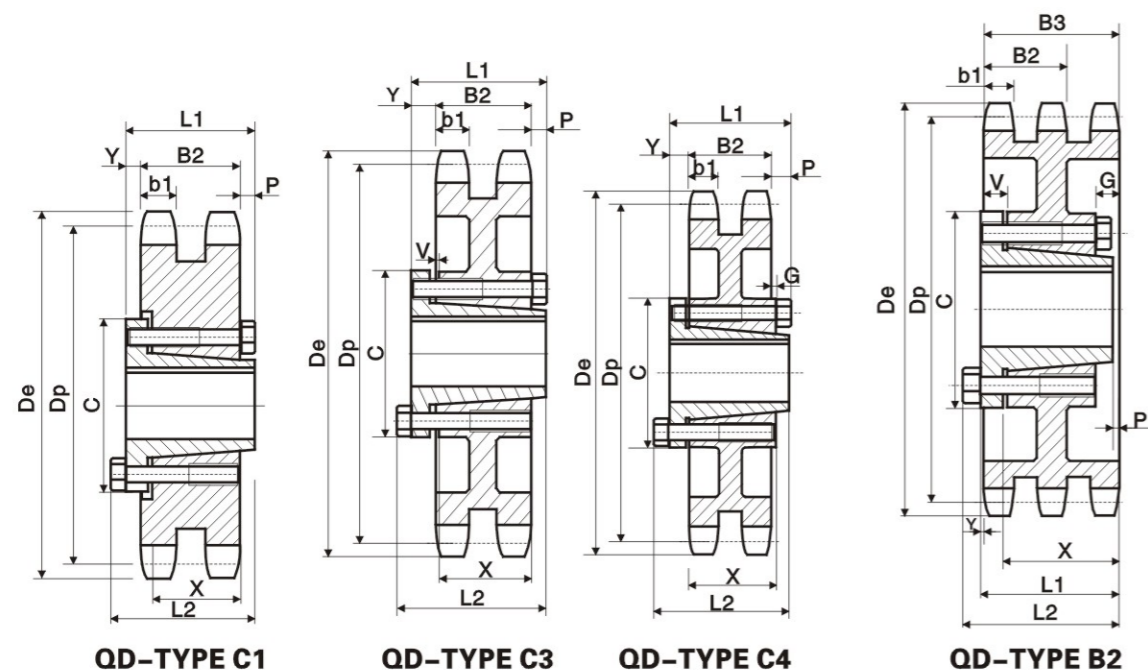
Single-Type "QD"

No. Teeth	Number	Bush- ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	P	G	X	B1	Weight (Approx.)		
															With Hub	Rim Only	
11	80SH11	SH	4.010	3.550	B	1 5/8	1 7/16	1 7/16	2 11/16	2 1/32		15/64	13/16	.575	2.0	1.0	
12	80SH12	SH	4.330	3.864	B	1 5/8	1 7/16	1 7/16	2 11/16	2 1/32		15/64	13/16	.575	2.4	1.4	
13	80SDS13	SDS	4.660	4.179	B	2	1 1/2	1 1/2	3 3/16	47/64		11/64	3/4	.575	2.5	1.5	
14	80SDS14	SDS	4.980	4.494	B	2	1 1/2	1 1/2	3 3/16	47/64		11/64	3/4	.575	2.8	1.8	
15	80SK15	SK	5.300	4.810	B	2 5/8	2 1/8	2 1/8	3 7/8	1 19/64		21/32	1 1/4	.575	4.5	2.5	
16	80SK16	SK	5.630	5.126	B							21/32			5.1	3.1	
17	80SK17	SK	5.950	5.442	B							21/32			5.5	3.5	
18	80SK18	SK	6.270	5.759	B							21/32			5.9	3.9	
19	80SK19	SK	6.590	6.076	B	2 5/8	2 1/8	2 1/8	3 7/8	1 19/64		21/32	1 1/4	.575	6.4	5.4	
20	80SF20	SF	6.910	6.392	B	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	.575	8.3	5.3	
21	80SF21	SF	7.240	6.710	B										8.7	5.7	
22	80SF22	SF	7.560	7.027	B										9.3	6.3	
23	80SF23	SF	7.880	7.344	B										9.8	6.8	
24	80SF24	SF	8.200	7.661	B										10.5	7.5	
25	80SF25	SF	8.520	7.979	B										11.0	8.0	
26	80SF26	SF	8.840	8.296	B										11.6	8.6	
27	80SF27	SF	9.160	8.614	B										12.4	9.4	
28	80SF28	SF	9.480	8.931	B										13.2	10.2	
30	80SF30	SF	10.110	9.567	B										14.3	11.3	
32	80SF32	SF	10.750	10.202	B										16.0	13.0	
33	80SF33	SF	11.070	10.520	B										16.5	13.5	
34	80SF34	SF	11.390	10.838	B										17.1	14.1	
35	80SF35	SF	11.710	11.156	B										18.5	15.5	
36	80SF36	SF	12.030	11.474	B										19.9	16.9	
40	80SF40	SF	13.310	12.746	B										23.6	20.6	
42	80SF42	SF	13.940	13.382	B										25.4	22.4	
45	80SF45	SF	14.900	14.336	B										28.1	25.1	
48	80SF48	SF	15.860	15.290	B										31.6	28.6	
54	80SF54	SF	17.770	17.198	B										39.8	36.8	
60	80SF60	SF	19.687	19.107	B	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	.575	48.8	45.8	
70	80E70	E	22.870	22.289	C	3 1/2	2 5/8	2 15/16	6	9/16	3/16	1/8	5/16	1 5/8	.575	65.6	55.6
72	80E72	E	23.500	22.926	C										69.3	59.3	
80	80E80	E	26.050	25.471	C										79.2	69.2	
84	80E84	E	27.330	26.744	C										84.9	74.9	
96	80E96	E	31.150	30.563	C	3 1/2	2 5/8	2 15/16	6	9/16	3/16	1/8	5/16	1 5/8	.575	108	97.5
112	80E112	E	36.240	35.655	C	3 15/16	3 5/8	4	6 5/8	1	2 1/16	1 5/8	2 1/2	.575	145	134	

Sprockets With QD Bushings American Standard Series

- Pitch 1" Roller Φ 0.625"
- Tooth width b1 0.557" Tooth width B2 1.710" Tooth width B3 2.863"

No.80-2 No.80-3



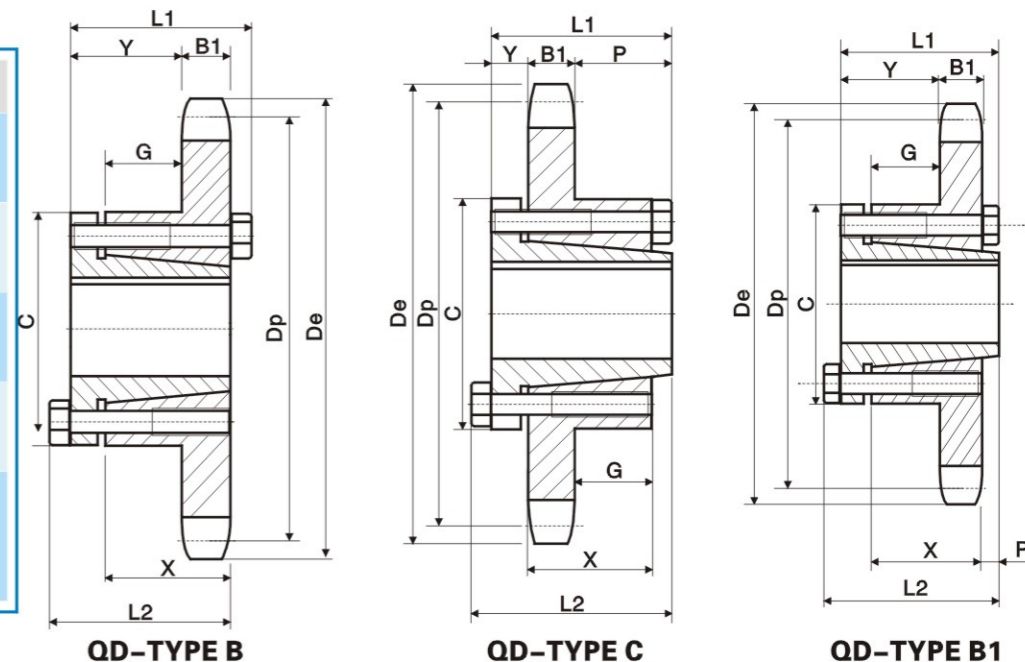
Sprockets With QD Bushings American Standard Series

- Pitch 1 1/4" Roller Φ 0.750"
- Tooth width B1 0.692"

No.100

Single-Type "QD" With Hardened Teeth

No. Teeth	Number
11	100SDS11H
12	100SDS12H
13	100SK13H
14	100SD14H
15	100SF15H
16	100SF16H
17	100SF17H
18	100E18H
19	100E19H
23	100E23H
24	100E24H
25	100E25H
26	100E26H
27	100E27H
28	100E28H
30	100E30H



Double-Type "QD"

No.80-2

No. Teeth	Number	Bush- ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	P	G	V	X	b1	B2	Weight (Approx.)	
																	With Hub	Rim Only
36	D80E36	E	12.030	11.474	C1	3 1/2	2 5/8	2 15/16	6	51/64	1/8			1 5/8	.557	1.710	48.3	38.2
42	D80E42	E	13.940	13.382	C1	3 1/2	2 5/8	2 15/16	6	51/64	1/8			1 5/8	.557	1.710	65.3	55.3
45	D80E45	E	14.900	14.336	C1	3 1/2	2 5/8	2 15/16	6	51/64	1/8			1 5/8	.557	1.710	74.6	64.6
52	D80E52	E	17.130	16.562	C3	3 1/2	2 5/8	2 15/16	6	51/64	1/8		3/32	1 5/8	.557	1.710	68.2	58.2
60	D80E60	E	19.680	19.107	C3	3 1/2	2 5/8	2 15/16	6	51/64	1/8		3/32	1 5/8	.557	1.710	78.2	68.2
68	D80E68	E	22.230	21.653	C3	3 1/2	2 5/8	2 15/16	6	51/64	1/8		3/32	1 5/8	.557	1.710	84.2	74.2
76	D80E76	E	24.780	24.198	C3	3 1/2	2 5/8	2 15/16	6	51/64	1/8		3/32	1 5/8	.557	1.710	100	90.1
95	D80F95	F	30.830	30.245	C4	3 15/16	3 5/8	4	6 5/8	1	59/64	51/64		2 1/2	.557	1.710	152	140

Triple-Type "QD"

No.80-3

No. Teeth	Number	Bush- ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	P	G	V	X	b1	B2	Weight (Approx.)	
																	With Hub	Rim Only
36	D80E36	E	12.030	11.474	B2	3 1/2	3 7/8	3 27/8	6	1/4	31/64	1/8	5/8	1 5/8	.557	2.863	65.1	55.1
42	D80E42	E	13.940	13.382	B2	3 1/2	3 7/8	3 27/8	6	1/4	31/64	1/8	5/8	1 5/8	.557	2.863	81.9	71.9
45	D80E45	E	14.900	14.336	B2	3 1/2	3 7/8	3 27/8	6	1/4	31/64	1/8	5/8	1 5/8	.557	2.863	75.3	65.3
52	D80E52	E	17.130	16.562	B2	3 1/2	3 7/8	3 27/8	6	1/4	31/64	1/8	5/8	1 5/8	.557	2.863	90.0	80.0
60	D80E60	E	19.680	19.107	B2	3 15/16	3 43/64	4 3/64	6 5/8	13/16	3/64	1/8	3/16	2 1/2	.557	2.863	112	100
68	D80E68	E	22.230	21.653	B2	3 15/16	3 43/64	4 3/64	6 5/8	13/16	3/64	1/8	3/16	2 1/2	.557	2.863	132	120
76	D80E76	E	24.780	24.198	B2	3 15/16	3 43/64	4 3/64	6 5/8	13/16	3/64	1/8	3/16	2 1/2	.557	2.863	150	138
95	D80F95	F	30.830	30.245	B2	3 15/16	3 43/64	4 3/64	6 5/8	13/16	3/64	1/8	3/16	2 1/2	.557	2.863	208	196

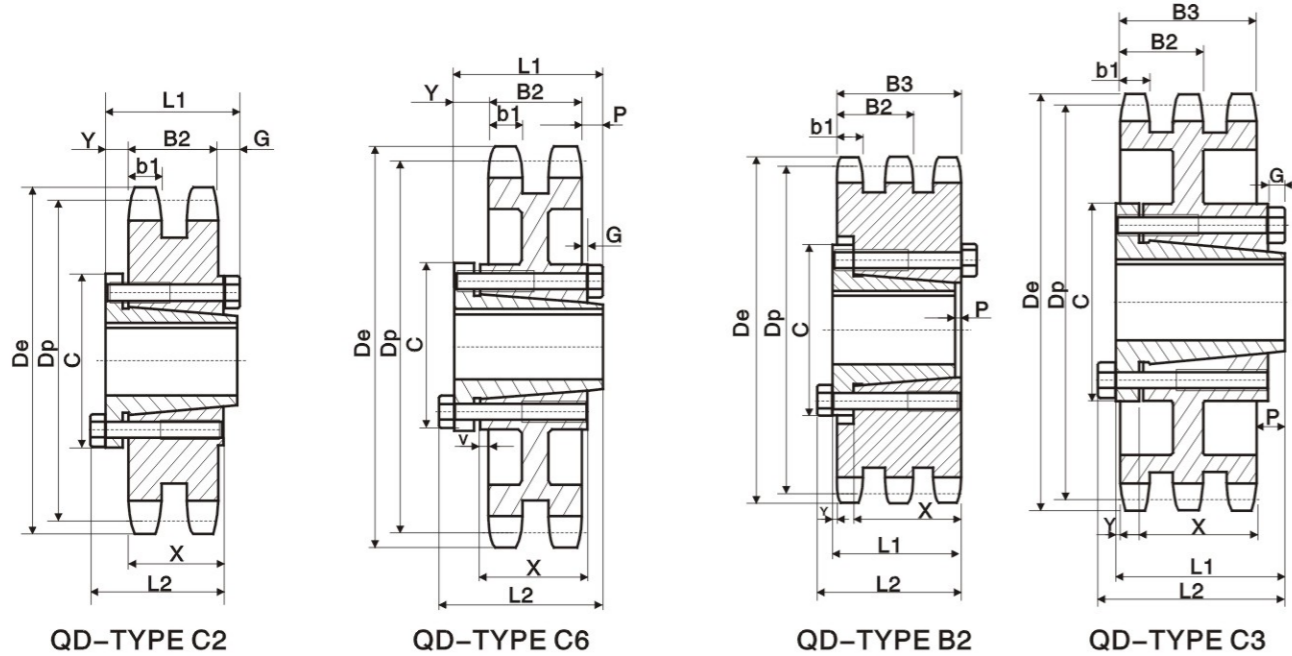
Single-Type "QD"

No.100

No. Teeth	Number	Bush- ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	P	G	X	B1	Weight (Approx.)	
															With Hub	Rim Only
11	100SDS11	SDS	5.010	4.437	B	2	1 1/2	1 1/2	3 3/16	5/8		1/16	3/4	.692	3.0	2.0
12	100SDS12	SDS	5.420	4.830	B	2	1 1/2	1 1/2	3 3/16	5/8		1/16	3/4	.692	3.6	2.6
13	100SK13	SK	5.820	5.223	B	2 5/8	2 1/8	1 1/8	3 7/8	1 13/64		9/16	1 1/4	.692	5.3	3.3
14	100SK14	SK	6.230	5.617	B	2 5/8	2 1/8	1 1/8	3 7/8	1 13/64		9/16	1 1/4	.692	6.1	4.1
15	100SF15	SF	6.630	6.012	B	2 15/16	2 1/4	1 1/4	4 5/8	1 19/64		9/16	1 1/4	.692	7.8	4.8
16	100SF16	SF	7.030	6.407	B	2 15/16	2 1/4	1 1/4	4 5/8	1 19/64		9/16	1 1/4	.692	8.6	5.6
17	100SF17	SF	7.440	6.803	B	2 15/16	2 1/4	1 1/4	4 5/8	1 19/64		9/16	1 1/4	.692	9.5	6.5
18	100E18	E	7.840	7.198	B1	3 1/2	2 5/8	2 15/16	6	1 19/64	1/8	15/16	1 5/8	.692	19.0	9.0
19	100E19	E	8.240	7.595	B1										20.2	10.2
20	100E20	E	8.640	7.991	B1										21.6	11.6
21	100E21	E	9.040	8.387	B1										22.5	12.5
22	100E22	E	9.440	8.783	B1										23.5	13.5
23	100E23	E	9.840	9.180	B1										24.6	14.6
24	100E24	E	10.250	9.577	B1										25.7	15.7
25	100E25	E	10.650	9.973	B1										26.8	16.8
26	100E26	E	11.050	10.370	B1										28.1	18.1
27	100E27	E	11.440	10.767	B1										29.2	19.2
28	100E28	E	11.840	11.164	B1										30.7	20.7
30	100E30	E	12.640	11.958	B1										33.2	23.2
32	100E32	E	13.440	12.753	B1										35.4	25.4
35	100E35	E	14.640	13.945	B1										40.5	30.5
36	100E36	E	15.040	14.342	B1										42.5	32.3
40	100E40	E	16.630	15.931	B1										49.1	39.1
42	100E42	E	17.430	16.727	B1										53.4	43.4
45	100E45	E	18.630	17.920	B1										58.9	48.9
48	100E48	E	19.820	19.112	B1										64.0	54.0
54	100E54	E	22.210	21.498	C	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	.692	72.0	62.0
60	100E60	E	24.600	23.884	C	3 1/2	2 5/8	2 15/16	6	7/8	1 1/16	15/16	1 5/8	.692	84.0	74.0
70	100E70	F	28.580	27.862	C	3 15/16	3 5/8	4	6 5/8	1	1 15/16	1 13/16	2 1/2	.692	110.5	99.0
72	100E72	F	29.380	28.657	C										117.5	106
80	100E80	F	32.570	31.839	C										134.5	123
84	100E84	F	34.160	33.430	C	3 15/16	3 5/8	4	6 5/8	1	1 15/16	1 13/16	2 1/2	.692	151.5	140

Sprockets With QD Bushings American Standard Series

- Pitch 1/4"
- Roller Φ 0.750"
- Tooth width b1 0.669"
- Tooth width B2 2.077"
- Tooth width B3 3.485"



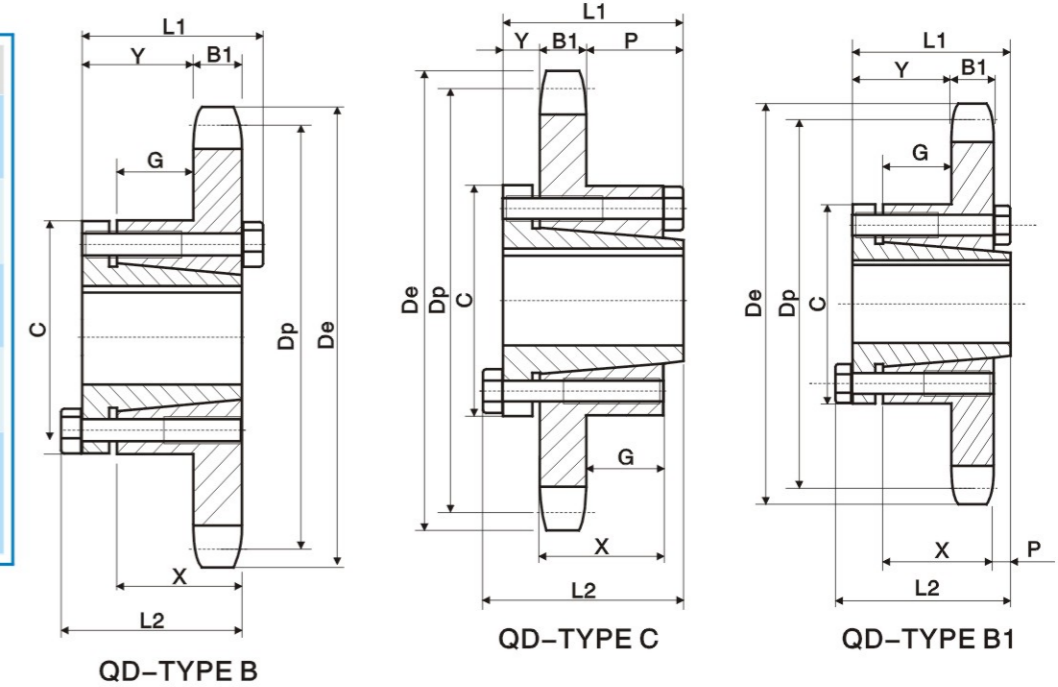
No.100-2 No.100-3

Sprockets With QD Bushings American Standard Series

- Pitch 1/2"
- Roller Φ 0.875"
- Tooth width B1 0.924"

Single-Type "QD" With Hardened Teeth

No. Teeth	Number
12	120SF12H
13	120SF13H
14	120SF14H
15	120SF15H
16	120E16H
17	120E17H
18	120E18H
19	120E19H
20	120E20H
21	120E21H
22	120E22H
23	120E23H
24	120E24H
25	120E25H
26	120E26H
28	120E28H
30	120E30H



Double-Type "QD"

No.100-2

No. Teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	P	G	V	X	b1	B2	Weight (Approx.)	
																	With Hub	Rim Only
35	D100F35	F	14.640	13.945	C2	3/15/16	3/8	4	6/8	1	35/64	27/64		2 1/2	.669	2.007	84.5	73
45	D100F45	F	18.630	17.920	C2	3/15/16	3/8	4	6/8	1	35/64	27/64		2 1/2	.669	2.007	92.5	81
60	D100J60	J	24.600	23.884	C6	4/7/16	4 1/2	5	7 1/4	1 13/64	1 13/64	1 3/32	1/32	3 3/16	.669	2.007	152	133
70	D100J70	J	28.580	27.862	C6	4/7/16	4 1/2	5	7 1/4	1 13/64	1 13/64	1 3/32	1/32	3 3/16	.669	2.007	180	161
80	D100J80	J	32.570	31.839	C6	4/7/16	4 1/2	5	7 1/4	1 13/64	1 13/64	1 3/32	1/32	3 3/16	.669	2.007	215	196

Triple-Type "QD"

No.100-3

No. Teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	P	G	V	X	b1	B3	Weight (Approx.)	
																	With Hub	Rim Only
35	E100F35	F	14.640	13.945	B2	3/15/16	3 33/64	4 23/64	6/8	1/2	23/64	1/8	1/2	2 1/2	.669	3.485	112	100
45	E100F45	F	18.630	17.820	B2	3/15/16	3 33/64	4 23/64	6/8	1/2	23/64	1/8	1/2	2 1/2	.669	3.485	139	120
60	E100J60	J	24.600	23.884	C3	4/7/16	4 1/2	5	7 1/4	1/2	33/64	3/8	11/16	3 3/16	.669	3.485	197	178
70	E100J70	J	28.580	27.862	C3	4/7/16	4 1/2	5	7 1/4	1/2	33/64	3/8	11/16	3 3/16	.669	3.485	247	228
80	E100J80	J	32.570	31.839	C3	4/7/16	4 1/2	5	7 1/4	1/2	33/64	3/8	11/16	3 3/16	.669	3.485	287	268

Single-Type "QD"

No.120

No. Teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	P	G	X	B1	Weight (Approx.)	
															With Hub	Rim Only
12	120SF12	SF	6.500	5.796	B	2 15/16	2 1/4	2 1/4	4 5/8	1 5/8		2 1/8	1 1/4	.924	7.7	4.7
13	120SF13	SF	6.990	6.268	B										9.1	6.1
14	120SF14	SF	7.470	6.741	B										10.4	7.4
15	120SF15	SF	7.960	7.215	B	2 15/16	2 1/4	2 1/4	4 5/8	1 5/8		2 1/8	1 1/4	.924	11.8	8.0
16	120E16	E	8.440	7.689	B1	3 1/2	2 5/8	2 15/16	6	1 9/16	1/8	4 5/8	1 5/8	.924	21.2	11.2
17	120E17	E	8.920	8.163	B1										23.4	13.4
18	120E18	E	9.410	8.638	B1										24.8	14.8
19	120E19	E	9.890	9.113	B1										26.5	16.5
20	120E20	E	10.370	9.589	B1										29.2	19.2
21	120E21	E	10.850	10.064	B1										29.9	19.9
22	120E22	E	11.330	10.540	B1										31.6	21.6
23	120E23	E	11.810	11.016	B1										33.8	23.8
24	120E24	E	12.290	11.492	B1										35.8	25.8
25	120E25	E	12.770	11.968	B1										38.1	28.1
26	120E26	E	13.250	12.444	B1										39.9	29.9
28	120E28	E	14.210	13.397	B1										49.7	34.7
30	120E30	E	15.170	14.350	B1	3 1/2	2 5/8	2 15/16	6	1 9/16	1 1/8	4 5/8	1 5/8	.924	49.4	39.4
32	120F32	F	16.130	15.303	C	3 15/16	3 5/8	4	6 5/8	1	1 11/16	1 37/64	2 1/2	.924	62.0	50.5
35	120F35	F	17.570	16.734	C										71.0	59.5
36	120F36	F	18.050	17.211	C										74.9	63.4
40	120F40	F	19.960	19.118	C										88.5	77.0
42	120F42	F	20.920	20.072	C										94.5	83.0
45	120F45	F	22.350	21.503	C										95.6	84.0
48	120F48	F	23.790	22.935	C										103.5	92.0
54	120F54	F	26.650	25.798	C	3 15/16	3 5/8	4	6 5/8	1	1 11/16	1 37/64	2 1/2	.924	125	114
60	120J60	J	29.520	28.661	C	4 7/16	4 1/2	5	7 1/4	1 3/16	2 5/16	2 17/64	3 3/16	.924	159	140
70	120J70	J	34.300	33.434	C	4 7/16	4 1/2	5	7 1/4	1 3/16	2 5/16	2 17/64	3 3/16	.924	196	177
80	120J80	J	39.080	38.207	C	4 7/16	4 1/2	5	7 1/4	1 3/16	2 5/16	2 17/64	3 3/16	.924	241	222

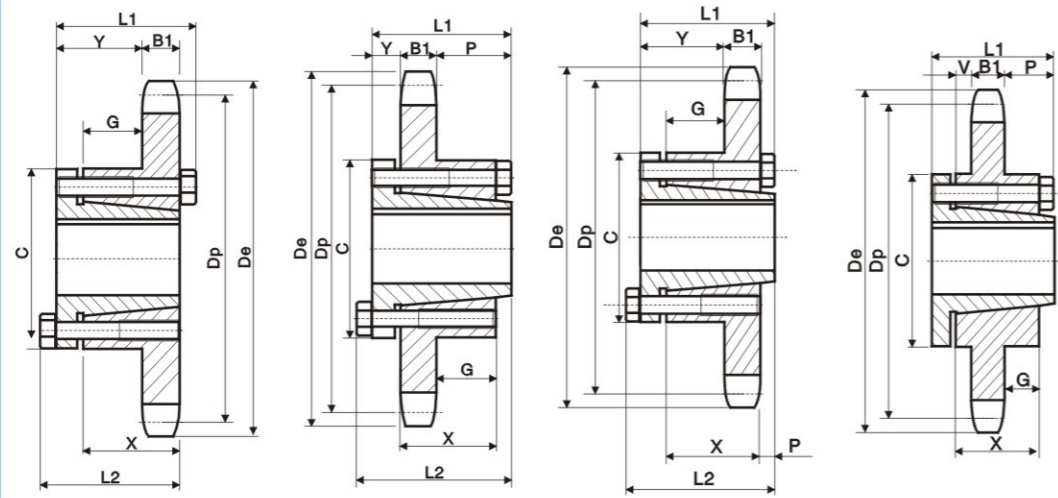
Sprockets With QD Bushings American Standard Series

- Pitch $1\frac{3}{4}$ "
- Roller Φ 1.000"
- Tooth width b1 0.924"

No.140

Single-Taper Bushed With Hardened Teeth

No. Teeth	Number
11	140SF11H
12	140SF12H
13	140SF13H
14	140E14H
15	140E15H
16	140E16H
17	140E17H
18	140E18H
19	140E19H
20	140E20H
21	140E21H
22	140E22H
23	140E23H
24	140E24H
25	140E25H
26	140E26H
30	140E30H



QD-TYPE B QD-TYPE C QD-TYPE B1 QD-TYPE C1

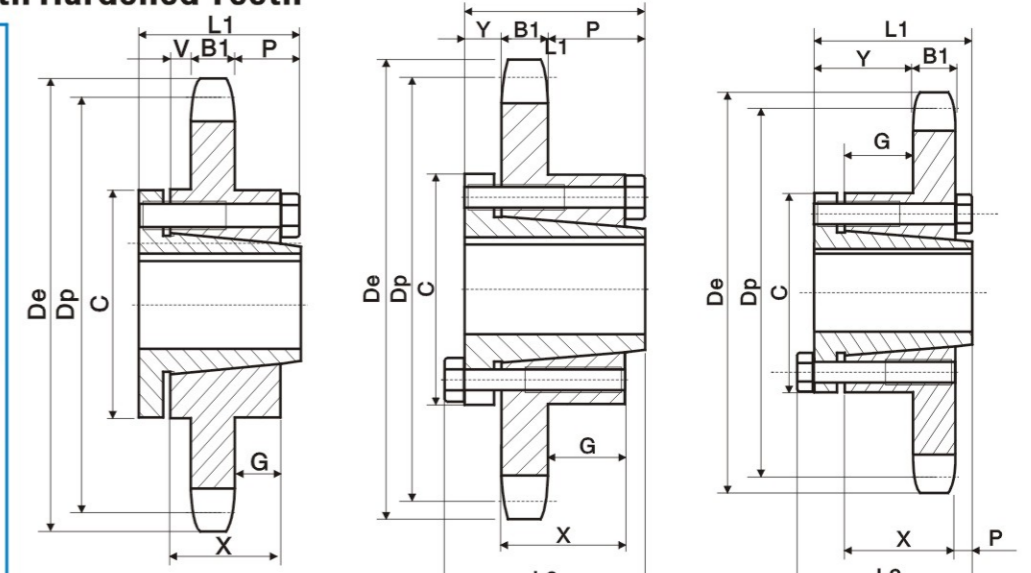
Sprockets With QD Bushings American Standard Series

- Pitch 2"
- Roller Φ 1.125"
- Tooth width B1 1.156"

No.160

Single-Type "QD" With Hardened Teeth

No. Teeth	Number
12	160E12H
13	160E13H
14	160E14H
15	160E15H
16	160E16H
17	160E17H
18	160E18H
19	160E19H
20	160E20H
21	160E21H
22	160E22H
23	160E23H
24	160E24H
25	160E25H
26	160E26H
28	160E28H
30	160E30H



QD-TYPE C1 QD-TYPE C QD-TYPE B1

Single-Type "QD"

No.140

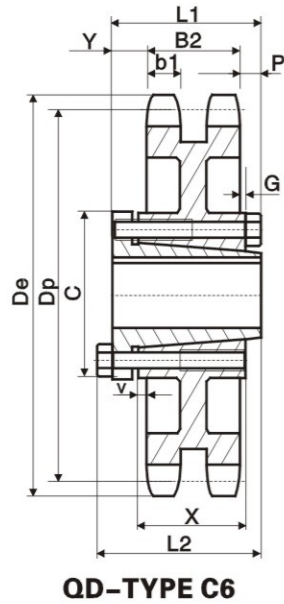
No. Teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	P	G	V	X	B1	Weight (Approx.)	
																With Hub	Rim Only
11	140SF11	SF	7.010	6.212	B	2 ¹ / ₁₆	2 ¹ / ₄	2 ¹ / ₄	4 ⁵ / ₈	1 ⁵ / ₆₄		2 ¹ / ₆₄		1 ¹ / ₄	.924	8.6	5.6
12	140SF12	SF	7.580	6.762	B	2 ² / ₁₆	2 ¹ / ₄	2 ¹ / ₄	4 ⁵ / ₈	1 ⁵ / ₆₄		2 ¹ / ₆₄		1 ¹ / ₄	.924	10.4	7.4
13	140SF13	SF	8.150	7.313	B	2 ³ / ₁₆	2 ¹ / ₄	2 ¹ / ₄	4 ⁵ / ₈	1 ⁵ / ₆₄		2 ¹ / ₆₄		1 ¹ / ₄	.924	11.9	8.9
14	140E14	E	8.720	7.864	B1	3 ¹ / ₂	2 ⁵ / ₈	2 ¹⁵ / ₁₆	6	1 ⁹ / ₁₆	1 ⁸ / ₈	4 ⁵ / ₆₄		1 ⁵ / ₈	.924	21.6	11.6
15	140E15	E	9.280	8.417	B1											24.2	14.2
16	140E16	E	9.850	8.970	B1											25.9	15.9
17	140E17	E	10.410	9.524	B1											28.0	18.0
18	140E18	E	10.980	10.078	B1											29.6	19.6
19	140E19	E	11.540	10.632	B1											32.0	22.0
20	140E20	E	12.100	11.187	B1											34.6	24.6
21	140E21	E	12.660	11.742	B1											37.6	27.6
22	140E22	E	13.220	12.297	B1	3 ¹ / ₂	2 ⁵ / ₈	2 ¹⁵ / ₁₆	6	1 ⁹ / ₁₆	1 ⁸ / ₈	4 ⁵ / ₆₄		1 ⁵ / ₈	.924	39.5	29.5
23	140F23	F	13.780	12.852	B1	3 ¹⁵ / ₁₆	3 ⁵ / ₈	4	6 ⁵ / ₈	2 ⁹ / ₁₆	1 ⁸ / ₈	1 ³⁷ / ₆₄		2 ¹ / ₂	.924	48.0	36.4
24	140F24	F	14.340	13.407	B1											51.6	40.1
25	140F25	F	14.900	13.963	B1											53.8	42.3
26	140F26	F	15.460	14.518	B1											58.0	46.5
30	140F30	F	17.700	16.742	B1	3 ¹⁵ / ₁₆	3 ⁵ / ₈	4	6 ⁵ / ₈	2 ⁹ / ₁₆	1 ⁸ / ₈	1 ³⁷ / ₆₄		2 ¹ / ₂	.924	72.0	60.4
35	140F35	F	20.490	19.523	C	3 ¹⁵ / ₁₆	3 ⁵ / ₈	4	6 ⁵ / ₈	1	1 ¹¹ / ₁₆	1 ³⁷ / ₆₄		2 ¹ / ₂	.924	89.5	78.0
36	140F36	F	21.050	20.079	C	3 ¹⁵ / ₁₆	3 ⁵ / ₈	4	6 ⁵ / ₈	1	1 ¹¹ / ₁₆	1 ³⁷ / ₆₄		2 ¹ / ₂	.924	95.5	84.0
40	140J40	J	23.290	22.305	C	4 ⁷ / ₁₆	4 ¹ / ₂	5	7 ¹ / ₄	1 ³ / ₁₆	2 ³ / ₈	2 ¹⁷ / ₆₄		3 ³ / ₁₆	.924	117	98.0
45	140J45	J	26.080	25.087	C											139	120
48	140J48	J	27.750	26.757	C											148	129
54	140J54	J	31.100	30.097	C											168	149
60	140J60	J	34.440	33.438	C	4 ⁷ / ₁₆	4 ¹ / ₂	5	7 ¹ / ₄	1 ³ / ₁₆	2 ³ / ₈	2 ¹⁷ / ₆₄		3 ³ / ₁₆	.924	205	186
70	140M70	M	40.020	39.006	C1	5 ¹ / ₂	6 ³ / ₄	6 ³ / ₄	9	2 ²⁹ / ₃₂	2 ²⁹ / ₃₂	2 ¹⁷ / ₃₂	1 ¹³ / ₃₂	5 ³ / ₁₆	.924	301	264
80	140M80	M	45.59	44.575	C1	5 ¹ / ₂	6 ³ / ₄	6 ³ / ₄	9	2 ²⁹ / ₃₂	2 ²⁹ / ₃₂	2 ¹⁷ / ₃₂	1 ¹³ / ₃₂	5 ³ / ₁₆	.924	385	348

Single-Type "QD"

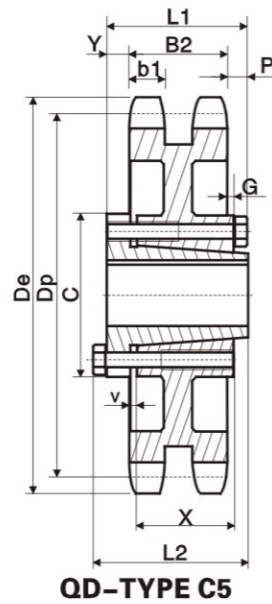
No.160

No. Teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	P	G	V	X	B1	Weight (Approx.)	
																With Hub	Rim Only
12	160E12	E	8.660	7.727	B1	3 ¹ / ₂	2 ⁵ / ₈	2 ¹⁵ / ₁₆	6	1 ⁹ / ₁₆	1 ⁸ / ₈	1 ⁵ / ₃₂		1 ⁵ / ₈	1.156	21.0	11
13	160E13	E	9.310	8.357	B1	3 ¹ / ₂	2 ⁵ / ₈	2 ¹⁵ / ₁₆	6	1 ⁹ / ₁₆	1 ⁸ / ₈	1 ⁵ / ₃₂		1 ⁵ / ₈	1.156	24.0	14
14	160E14	E	9.960	8.988	B1	3 ¹ / ₂	2 ⁵ / ₈	2 ¹⁵ / ₁₆	6	1 ⁹ / ₁₆	1 ⁸ / ₈	1 ⁵ / ₃₂		1 ⁵ / ₈	1.156	26.0	16
15	160F15	F	10.610	9.620	B1	3 ⁵ / ₁₆	3 ⁵ / ₈	4	6 ⁵ / ₈	1 ⁵ / ₁₆	1 ⁸ / ₈	1 ¹ / ₃₂		2 ¹ / ₂	1.156	35.5	24
16	160F16	F	11.260	10.252	B1											38.5	27
17	160F17	F	11.900	10.885	B1											42.5	31
18	160F18	F	12.540	11.518	B1											46.5	35
19	160F19	F	13.190	12.151	B1											49.5	38
20	160F20	F	13.830	12.785	B1											53.5	42
21	160F21	F	14.740	13.419	B1											56.5	45
22	160F22	F	15.110	14.053	B1											62.5	51
23	160F23	F	15.750	14.688	B1											66.5	55
24	160F24	F	16.390	15.323	B1											70.5	59
25	160F25	F	17.030	15.958	B1	3 ⁵ / ₁₆	3 ⁵ / ₈	4	6 ⁵ / ₈	2 ⁵ / ₁₆	1 ⁸ / ₈	1 ¹ / ₃₂		2 ¹ / ₂	1.156	75.5	64
26	160J26	J	17.670	16.593	C	4 ⁷ / ₁₆	4 ¹ / ₂	5	7 ¹ / ₄	1 ³ / ₁₆	2 ³ / ₈	2 ¹ / ₃₂		3 ³ / ₁₆	1.156	92.5	74
28	160J28	J	18.950	17.863	C											103	84
30	160J30	J	20.230	19.134	C											115	96
35	160J35	J	23.420	22.312	C	4 ⁷ / ₁₆	4 ¹ / ₂	5	7 ¹ / ₄	1 ³ / ₁₆	2 ³ / ₈			3 ³ / ₁₆	1.156	135	116
40	160M40	M	26.610	25.491	C1	5 ¹ / ₂	6 ³ / ₄	6 ³ / ₄	9	2 ¹ / ₁₆	2 ¹ / ₁₆	2 ⁹ / ₃₂	1 ⁹ / ₃₂	5 ⁵ / ₁₆	1.156	211	174
45	160M45	M	29.800	28.671	C1											245	208
54	160M54	M	35.540	34.397	C1											299	262
60	160M60	M	39.360	38.215	C1											347	310
70	160M70	M	45.730	44.578	C1											468	431
80	160M80	M	52.100	50.943	C1	5 ¹ / ₂	6 ³ / ₄	6 ³ / ₄	9	2 ¹ / ₁₆	2 ¹ / ₁₆	2 ⁹ / ₃₂	1 ⁹ / ₃₂	5 ⁵ / ₁₆	1.156	567	530

Sprockets With QD Bushings
American Standard Series



QD-TYPE C6



QD-TYPE C5

- Pitch 1 1/2"
- Roller Φ 0.875"
- Tooth width b1 0.894"
- Tooth width B2 2.683"

No.120-2

Double-Type "QD"

No. Teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	P	G	V	X	b1	B2	Weight (Approx.)	
																	With Hub	Rim Only
30	D120J30	J	15.170	14.350	C5	4 7/16	4 1/2	5	7 1/4	1 1/32	2 5/32	2 1/32	5/32	3 3/16	.894	2.683	97.8	78.0
35	D120J35	J	17.570	16.734	C5	4 7/16	4 1/2	5	7 1/4	1 1/32	2 5/32	2 1/32	5/32	3 3/16	.894	2.683	112	93.0
45	D120J45	J	22.350	21.502	C5	4 7/16	4 1/2	5	7 1/4	1 1/32	2 5/32	2 1/32	5/32	3 3/16	.894	2.683	157	138
60	D120M60	M	29.520	28.661	C6	5 1/2	6 3/4	6 3/4	9	2 9/32	1 25/32	1 25/32	2 7/32	5 3/16	.894	2.683	271	234

- Pitch 1 3/4"
- Roller Φ 1.000"
- Tooth width b1 0.894"
- Tooth width B2 2.818"

No.140-2

Double-Type "QD"

No. Teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	P	G	V	X	b1	B2	Weight (Approx.)	
																	With Hub	Rim Only
35	D140J35	J	20.490	19.523	C5	4 7/16	4 1/2	5	7 1/4	3 1/32	2 3/32	1 9/32	7/32	3 3/16	.894	2.818	137	128
45	D140J45	J	26.080	25.087	C5	4 7/16	4 1/2	5	7 1/4	3 1/32	2 3/32	1 9/32	7/32	3 3/16	.894	2.818	195	176
60	D140M60	M	34.440	33.438	C6	5 1/2	6 3/4	6 3/4	9	2 7/32	1 23/32	1 9/32	2 5/32	5 3/16	.894	2.818	339	302

- Pitch 2"
- Roller Φ 1.125"
- Tooth width b1 1.119"
- Tooth width B2 3.424"

No.160-2

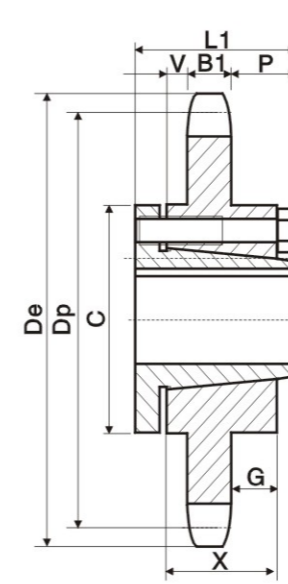
Double-Type "QD"

No. Teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L1	L2	C	Y	P	G	V	X	b1	B2	Weight (Approx.)	
																	With Hub	Rim Only
35	D160M35	M	23.420	23.312	C6	5 1/2	6 3/4	6 3/4	9	2 3/4	1 9/32	1 9/32	3 9/64	5 3/16	1.119	3.424	259	222
45	D160N45	N	29.800	28.671	C6	6	8 1/8	8 1/8	10	2 1/32	2 3/32	2 3/32	2 1/32	6 1/4	1.119	3.424	377	340
60	D160N60	N	39.360	38.215	C6	6	8 1/8	8 1/8	10	2 1/32	2 3/32	2 3/32	2 1/32	6 1/4	1.119	3.424	509	472

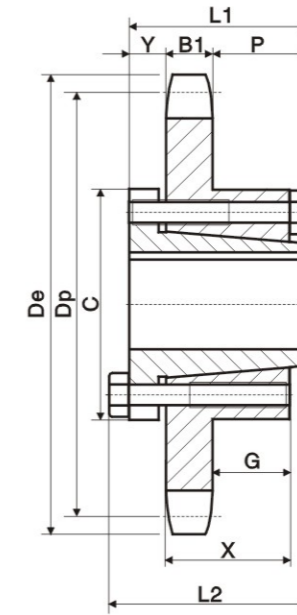
Sprockets With QD Bushings
American Standard Series

- Pitch 2 1/2"
- Roller Φ 1.562"
- Tooth width B1 1.389"

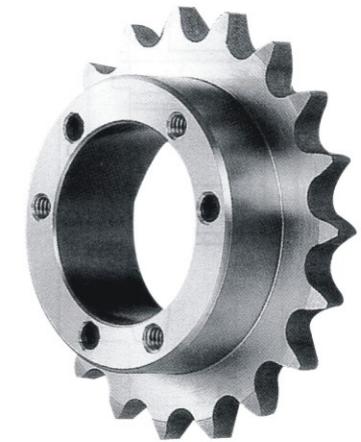
No.200



QD-TYPE C1



QD-TYPE C

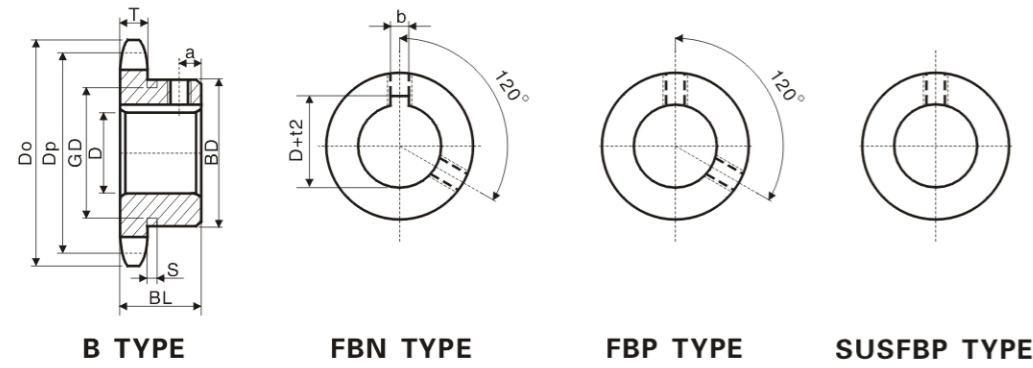


Single-Type "QD"

No. Teeth	Number	Bush-ing	De	Dp	Type	Max. Bore	L	L	C	Y	P	G	V	X	B1	Weight (Approx.)	
																With Hub	Rim Only
12	200F12	F	10.830	9.660	C	3 15/16	3 5/8	4	6 5/8	1	1 1/8	1 1/8		2 1/2	1.389	25.5	24
13	200J13	J	11.640	10.447	C	4 7/10	4 1/2	5	7 1/4	1 3/16	2	1 3/16		3 3/16	1.389	50.5	32
14	200J14	J	12.460	11.235	C											57.5	39
15	200J15	J	13.260	12.025	C											62.5	44
16	200J16	J	14.070	12.815	C											68.5	50
17	200M17	M	14.870	13.605	C1	5 1/2	6 3/4	6 3/4	9	2 23/32	2 23/32		1 1/2	5 3/16	1.389	113	76
18	200M18	M	15.680	14.397	C1											119	82
19	200M19	M	16.480	15.910	C1											125	88
20	200M20	M	17.290	15.982	C1											134	97
21	200M21	M	18.090	16.775	C1											140	103
22	200M22	M	18.890	17.567	C1											149	112
23	200M23	M	19.690	18.360	C1											157	120
24	200M24	M	20.490	19.152	C1											168	131
25	200M25	M	21.290	19.947	C1											175	138
26	200M26	M	22.090	20.740	C1											185	148
28	200M28	M	23.690	22.330	C1											205	168
30	200M30	M	25.290	23.917	C1											227	190
32	200M32	M	26.880	25.505	C1											251	214
35	200M35	M	29.280	27.890	C1											265	228
40	200M40	M	33.270	31.865	C1	5 1/2	6 3/4	6 3/4	9	2 23/32	2 23/32	2 5/16	1 1/2	5 3/16	1.389	315	278
45	200N45	N	37.250	35.840	C1	5 7/8	8 1/8	8 1/8	10	3 1/32	3 1/32	3 3/16	1 1/16	6 1/4	1.389	405	348
54	200N54	N	44.420	42.995	C1	5 7/8	8 1/8	8 1/8	10	3 1/32	3 1/32	3 3/16	1 1/16	6 1/4	1.389	535	478
60	200N60	N	49.200	47.767	C1	5 7/8	8 1/8	8 1/8	10	3 1/32	3 1/32	3 3/16	1 1/16	6 1/4	1.389	665	608

No.200

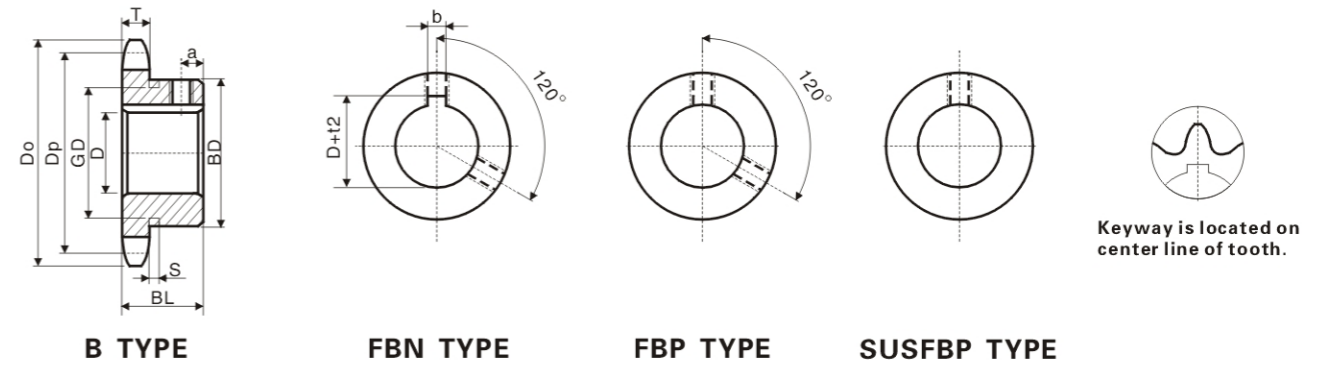
Finished Bore Sprockets Asian Standard Series



SUSFBP11B



Finished Bore Sprockets Asian Standard Series



FBN25B



Do	Dp	BD	BL	a	Wt g	Form	Type	Teeth	∅D
16.2	14.475	9.4	10.5	4	5.9	B-I	SUSFBP 11B	12	5
19.9	18.020	13	10.5	4	11.5			15	5 6
21.1	19.204	14	10.5	4	13.5			16	5 6 8
23.5	21.575	16	10.5	4	17.7			18	5 6 8
25.9	23.949	19	10.5	4	23.3			20	8 10
30.7	28.703	19	10.5	4	25.7			24	8 10
35.5	33.462	19	10.5	4	28.7			28	8 10
37.9	35.842	19	10.5	4	29.7			30	8 10
42.7	40.604	19	10.5	4	37.9			34	8 10
45.1	42.986	19	10.5	4	40.7			36	8 10
49.8	47.751	19	10.5	4	46.5			40	8 10
59.4	57.283	19	10.5	4	60.5			48	8 10

SUSFBP11B

SPROCKETS
Tooth Width (T) 1.6mm

CHAIN
Pitch (P) 3.7465mm
Internal width (W) 1.83mm
RollerΦ (Dr) 2.285mm
Material:SUS304

FBN25B

SPROCKETS
Tooth Width (T) 2.8mm

CHAIN
Pitch (P) 6.35mm
Internal width (W) 3.18mm
RollerΦ (Dr) 3.3mm

Power Transmission Professional

Material:C45

Do	Dp	BD	BL	a	Wt g	Type	Teeth	∅D ^{H7}
36	32.55	25	15	6	60	FBN 25B	16	10 12
38	34.56	25	15	6	70		17	10 12
40	36.57	25	15	6	70		18	10 12
42	38.58	28	15	6	80		19	10 12
44	40.59	28	15	6	80		20	10 12
46	42.61	28	15	6	90		21	10 12
48	44.62	30	15	6	100		22	12 15
50	46.63	30	15	6	110		23	12 15
52	48.65	30	15	6	120		24	12 15
54	50.66	35	15	6	140		25	12 15 16
56	52.68	35	15	6	140		26	12 15 16
58	54.70	35	15	6	150		27	12 15 16
60	56.71	35	15	6	150		28	12 15 16
64	60.75	35	15	6	160		30	12 15 16
68	64.78	40	20	8	200		32	15 16 18 20
72	68.82	40	20	8	210		34	15 16 18 20
74	70.84	40	20	8	210		35	15 16 18 20
76	72.86	40	20	8	220		36	15 16 18 20
80	76.90	40	20	8	260		38	15 16 18 20
84	80.93	40	20	8	270		40	15 16 18 20

Do	Dp	BD	BL	a	Wt g	Type	Teeth	∅D
19.0	16.90	11	10	4	9	FBP 15B	11	5
20.5	18.40	12	10	4	10		12	5 6
22.0	19.90	14	10	4	14		13	5 6 8
23.5	21.40	15	12	5	17		14	8
25.0	22.91	17	12	5	22		15	8
26.5	24.41	18	12	5	23		16	10
28.0	25.92	20	14	6	32		17	10
29.5	27.43	22	14	6	40		18	10
32.5	30.44	24	14	6	49		20	10
39.0	36.49	30	16	7	88		24	10 12 15
42.0	39.51	33	16	7	104	FBN 15B	26	12 15 16
45.0	42.54	37	16	7	131		28	12 15 16
48.0	45.56	39	16	7	147		30	12 15 16
52.5	50.10	40	18	8	178		33	12 15 16
55.5	53.13	40	18	8	182		35	12 15 16

FBP15B/FBN15B

SPROCKETS
Tooth Width (T) 2.0mm

CHAIN
Pitch (P) 4.7625mm
Internal width (W) 2.38mm
RollerΦ (Dr) 2.48mm
Material:C45

Power Transmission Professional

Finished Bore Sprockets Asian Standard Series

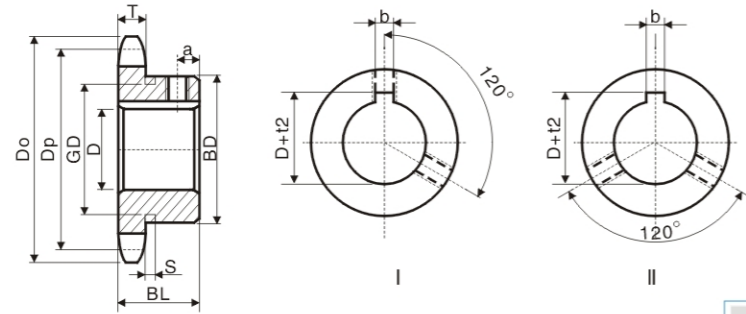
FBN35B

SPROCKETS

Tooth Width (T) 4.3mm

CHAIN

Pitch (P) 9.525mm
Internal width (W) 4.78mm
RollerΦ (Dr) 5.08mm



B TYPE

FBN TYPE

FBN35B



Teeth	S	GD
9	4.4	17
10		20
11		23
12		26
13		29

Material:C45; Hardened Teeth

Do	Dp	BD	BL	a	Wt g	Type	Teeth	∅D ^{H7}
32	27.85	★21.5	20	6	0.06	FBK 35B	9	10
34	30.82	★24.5	20	6	0.08		10	10 12
38	33.81	★ 27	20	6	0.09		11	10 12 14
41	36.80	★30.5	20	6	0.12		12	10 12 14 15 16 17
44	39.80	★ 32	20	6	0.12		13	10 12 14 15 16 17 18
47	42.81	32	20	6	0.12		14	10 12 14 15 16 17 18 19 20
51	45.81	35	20	6	0.16		15	10 12 14 15 16 17 18 19 20
54	48.82	37	20	6	0.19		16	10 12 14 15 16 17 18 19 20 22 24 25
57	51.84	41	20	6	0.22		17	12 14 15 16 17 18 19 20 22 24 25
60	54.85	44	20	6	0.25		18	12 14 15 16 17 18 19 20 22 24 25
63	57.87	47	20	6	0.28		19	12 14 15 16 17 18 19 20 22 24 25 28
66	60.89	50	20	6	0.32		20	12 14 15 16 17 18 19 20 22 24 25 28 30
69	63.91	53	20	6	0.36		21	12 14 15 16 17 18 19 20 22 24 25 28 30 32
72	66.93	56	20	6	0.37		22	12 14 15 16 17 18 19 20 22 24 25 28 30 32
75	69.95	60	20	6	0.38		23	12 14 15 16 17 18 19 20 22 24 25 28 30 32
78	72.98	53	22	8	0.43		24	12 14 15 16 17 18 19 20 22 24 25 28 30 32
81	76.00	53	22	8	0.44		25	15 16 17 18 19 20 22 24 25 28 30 32
84	79.02	53	22	8	0.45		26	15 16 17 18 19 20 22 24 25 28 30 32
87	82.05	53	22	8	0.46		27	15 16 17 18 19 20 22 24 25 28 30 32
90	85.07	53	22	8	0.48		28	15 16 17 18 19 20 22 24 25 28 30 32
93	88.10	53	22	8	0.49		29	
96	91.12	53	22	8	0.51		30	15 16 17 18 19 20 22 24 25 28 30 32
99	94.15	53	22	8	0.53		31	
102	97.18	53	22	8	0.54		32	15 16 17 18 19 20 22 24 25 28 30 32
105	100.20	53	22	8	0.56		33	
109	103.23	53	22	8	0.57		34	15 16 17 18 19 20 22 24 25 28 30 32
112	106.26	53	22	8	0.59		35	15 16 17 18 19 20 22 24 25 28 30 32
115	109.29	53	22	8	0.61		36	15 16 17 18 19 20 22 24 25 28 30 32
118	112.31	63	25	10	0.80		37	
121	115.34	63	25	10	0.82		38	20 22 24 25 28 30 32 35 38
124	118.37	63	25	10	0.84		39	
127	121.40	63	25	10	0.85		40	20 22 24 25 28 30 32 35 38

★ Has recessed groove in hub for chain clearance
 Set Screw TYPE II

Power Transmission Professional

Finished Bore Sprockets Asian Standard Series

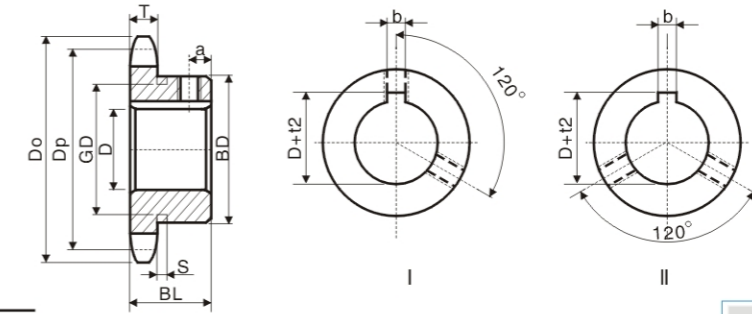
FBK35B

SPROCKETS

Tooth Width (T) 4.3mm

CHAIN

Pitch (P) 9.525mm
Internal width (W) 4.78mm
RollerΦ (Dr) 5.08mm



B TYPE

FBK TYPE

FBK35B



Teeth	S	GD
9	4.4	17
10		20
11		23
12		26
13		29

Material:C45; Hardened Teeth

Do	Dp	BD	BL	a	Wt kg	Type	Teeth	∅D ^{H7}
32	27.85	★21.5	20	6	0.06	FBK 35B	9	
34	30.82	★24.5	20	6	0.08		10	10 12
38	33.81	★ 27	20	6	0.09		11	10 14
41	36.80	★30.5	20	6	0.12		12	10 12 14 15 17
44	39.80	★ 32	20	6	0.12		13	10 12 15 17
47	42.81	32	20	6	0.12		14	12 14 15 17 20
51	45.81	35	20	6	0.16		15	12 14 15 16 17 18 19 20
54	48.82	37	20	6	0.19		16	12 14 15 17 18 20 22 25
57	51.84	41	20	6	0.22		17	12 15 17 20 22 25
60	54.85	44	20	6	0.25		18	12 14 15 20 25
63	57.87	47	20	6	0.28		19	15 20 25
66	60.89	50	20	6	0.32		20	12 15 16 17 18 20 22 25 28 30
69	63.91	53	20	6	0.36		21	12 14 15 20 25
72	66.93	56	20	6	0.37		22	15 20 22 25
75	69.95	60	20	6	0.38		23	15 20
78	72.98	53	22	8	0.43		24	12 15 17 20 25 30
81	76.00	53	22	8	0.44		25	17 20
84	79.02	53	22	8	0.45		26	20 22 25
87	82.05	53	22	8	0.46		27	
90	85.07	53	22	8	0.48		28	
93	88.10	53	22	8	0.49		29	
96	91.12	53	22	8	0.51		30	20 25
99	94.15	53	22	8	0.53		31	
102	97.18	53	22	8	0.54		32	17
105	100.20	53	22	8	0.56		33	
109	103.23	53	22	8	0.57		34	
112	106.26	53	22	8	0.59		35	20 25
115	109.29	53	22	8	0.61		36	20
118	112.31	63	25	10	0.80		37	
121	115.34	63	25	10	0.82		38	
124	118.37	63	25	10	0.84		39	
127	121.40	63	25	10	0.85		40	20 25

★ Has recessed groove in hub for chain clearance
 Set Screw TYPE II

Finished Bore Sprockets Asian Standard Series

FBN40B

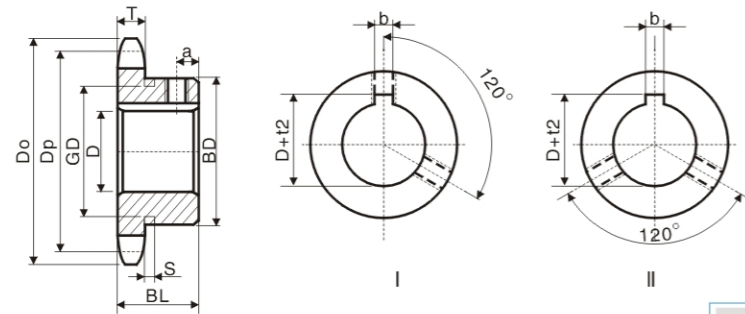
FBN40B

SPROCKETS

Tooth Width (T) 7.2mm

CHAIN

Pitch (P) 12.7mm
Internal width (W) 7.95mm
RollerΦ (Dr) 7.95mm



Keyway is located on center line of tooth.

Teeth	S	GD
9	5.2	23
10		27
11		31
12		35

Material:C45; Hardened Teeth

Do	Dp	BD	BL	a	Wt kg	Type	Teeth	∅ D ^{H7}
42	37.13	★28	22	5	0.11	FBN 40B	9	10 12 14 15
46	41.10	★32	22	5	0.14		10	10 12 14 15 16 17 18
51	45.08	★36	22	5	0.19		11	10 12 14 15 16 17 18 19 20
55	49.07	★40	22	5	0.22		12	10 12 14 15 16 17 18 19 20 22
59	53.07	37	22	6	0.23		13	12 14 15 16 17 18 19 20 22 24 25
63	57.07	42	22	6	0.28		14	12 14 15 16 17 18 19 20 22 24 25 28
67	61.08	46	22	6	0.34		15	12 14 15 16 17 18 19 20 22 24 25 28 30
71	65.10	50	22	6	0.40		16	14 15 16 17 18 19 20 22 24 25 28 30 32
76	69.12	54	22	6	0.46		17	14 15 16 17 18 19 20 22 24 25 28 30 32 35
80	73.14	57	22	6	0.51		18	14 15 16 17 18 19 20 22 24 25 28 30 32 35 40
84	77.16	62	22	6	0.59		19	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40
88	81.18	67	25	7	0.76		20	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42 45
92	85.21	71	25	7	0.85		21	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42 45
96	89.24	75	25	7	0.95		22	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42 45
100	93.27	77	25	7	1.00		23	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42 45
104	97.30	63	25	7	0.84		24	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42
108	101.33	63	25	7	0.88		25	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42
112	105.36	63	25	7	0.92		26	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42
116	109.40	63	25	7	0.96		27	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42
120	113.43	63	25	7	1.00		28	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42
124	117.46	63	25	7	1.00		29	25
128	121.50	63	25	7	1.10		30	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42
133	125.53	68	28	10	1.20		31	
137	129.57	68	28	10	1.30		32	20 22 24 25 28 30 32 35 40
141	133.61	68	28	10	1.30		33	
145	137.64	68	28	10	1.30		34	20 22 24 25 28 30 32 35 40
149	141.68	68	28	10	1.40		35	20 22 24 25 28 30 32 35 40
153	145.72	68	28	10	1.50		36	20 22 24 25 28 30 32 35 40
157	149.75	68	28	10	1.55		37	35
161	153.79	68	28	10	1.60		38	24 25 28 30 32 35 40
165	157.83	68	28	10	1.65		39	
169	161.87	68	28	10	1.70		40	25 28 30 32 35 40

★ Has recessed groove in hub for chain clearance
 Set Screw TYPE II

Finished Bore Sprockets Asian Standard Series

FBK40B

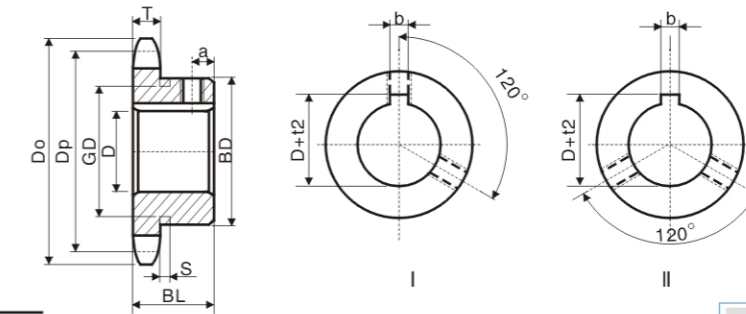
FBK40B

SPROCKETS

Tooth Width (T) 7.2mm

CHAIN

Pitch (P) 12.7mm
Internal width (W) 7.95mm
RollerΦ (Dr) 7.95mm



Keyway is located on center line of tooth.

Teeth	S	GD
9	5.2	23
10		27
11		31
12		35

Material:C45; Hardened Teeth

Do	Dp	BD	BL	a	Wt kg	Type	Teeth	∅ D ^{H7}
42	37.13	★28	22	5	0.11	FBK 40B	9	12 15
46	41.10	★32	22	5	0.14		10	12 15 16
51	45.08	★36	22	5	0.19		11	12 15 17 20
55	49.07	★40	22	5	0.22		12	12 15 17 18 19 20 22
59	53.07	37	22	6	0.23		13	15 17 18 19 20 22 24 25
63	57.07	42	22	6	0.28		14	14 15 17 18 19 20 22 24 25 28
67	61.08	46	22	6	0.34		15	14 15 17 18 19 20 22 24 25 28 30
71	65.10	50	22	6	0.40		16	15 17 18 19 20 22 24 25 28 30
76	69.12	54	22	6	0.46		17	18 19 20 22 24 25 28 30 32
80	73.14	57	22	6	0.51		18	15 18 19 20 22 24 25 28 30 32 35
84	77.16	62	22	6	0.59		19	15 18 20 22 24 25 30
88	81.18	67	25	7	0.76		20	15 17 18 19 20 22 24 25 28 30 35 40
92	85.21	71	25	7	0.85		21	18 19 20 22 25 28 30 35 40
96	89.24	75	25	7	0.95		22	20 22 24 25 28 30 35
100	93.27	77	25	7	1.00		23	20 25 28 30 35
104	97.30	63	25	7	0.84		24	20 22 24 25 28 30 35
108	101.33	63	25	7	0.88		25	18 20 22 25 30 35
112	105.36	63	25	7	0.92		26	18 20 24 25 28 30 35
116	109.40	63	25	7	0.96		27	20 22 25 30 35
120	113.43	63	25	7	1.00		28	22 24 25 30 35 40
124	117.46	63	25	7	1.00		29	25
128	121.50	63	25	7	1.10		30	20 22 24 25 28 30 32 35 40
133	125.53	68	28	10	1.20		31	
137	129.57	68	28	10	1.30		32	25 30 35
141	133.61	68	28	10	1.30		33	
145	137.64	68	28	10	1.30		34	
149	141.68	68	28	10	1.40		35	25 30 35 40
153	145.72	68	28	10	1.50		36	20 25 30 35
157	149.75	68	28	10	1.55		37	35
161	153.79	68	28	10	1.60		38	24 28
165	157.83	68	28	10	1.65		39	
169	161.87	68	28	10	1.70		40	30 35 40

★ Has recessed groove in hub for chain clearance
 Set Screw TYPE II

Finished Bore Sprockets Asian Standard Series

FBN50B

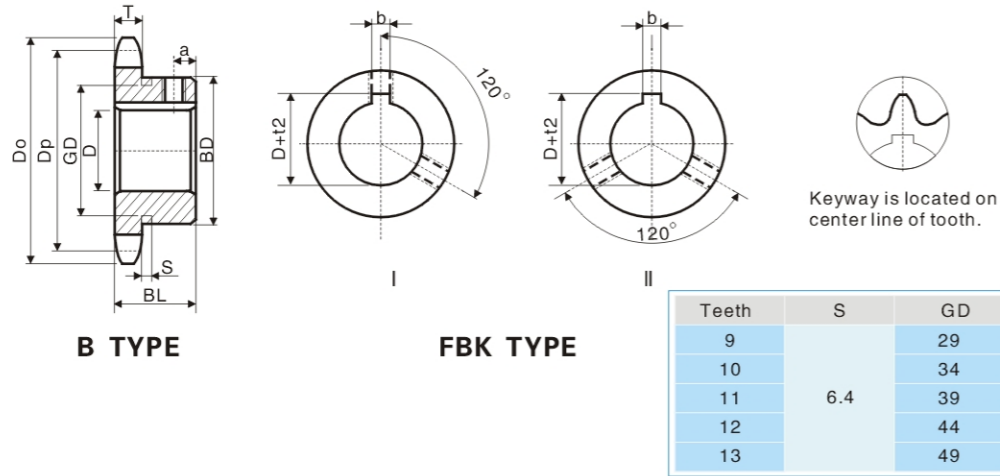
FBN50B

SPROCKETS

Tooth Width (T) 8.7mm

CHAIN

Pitch (P) 15.875mm
Internal width (W) 9.53mm
RollerΦ (Dr) 10.16mm



Material:C45; Hardened Teeth

Power Transmission Professional

Do	Dp	BD	BL	a	Wt g	Type	Teeth	∅ D ^{H7}
53	46.41	★ 34	25	5	0.20	FBN 50B	9	16 17 18 19
58	51.37	★ 40	25	5	0.27		10	15 16 17 18 19 20 22 24 25
64	56.35	★45.5	25	5	0.33		11	15 16 17 18 19 20 22 24 25
69	61.34	★ 50	25	5	0.41		12	15 16 17 18 19 20 22 24 25 28 30 32
74	66.34	★ 51	25	5	0.46		13	14 15 16 17 18 19 20 22 24 25 28 30 32
79	71.34	52	25	7	0.52		14	14 15 16 17 18 19 20 22 24 25 28 30 32 35
84	76.35	57	25	7	0.62		15	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38
89	81.37	62	25	7	0.72		16	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40
94	86.39	67	25	7	0.83		17	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42 45
100	91.42	72	28	8	1.00		18	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42 45
105	96.45	73	28	8	1.10		19	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42 45
110	101.48	73	28	8	1.20		20	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40 42 45 50
115	106.51	73	28	8	1.20		21	17 18 19 20 22 24 25 28 30 32 35 38 40 42 45
120	111.55	73	28	8	1.30		22	17 18 19 20 22 24 25 28 30 32 35 38 40 42 45
125	116.58	73	28	8	1.30		23	17 18 19 20 22 24 25 28 30 32 35 38 40 42 45
130	121.62	73	28	8	1.40		24	17 18 19 20 22 24 25 28 30 32 35 38 40 42 45
135	126.66	73	28	8	1.50		25	17 18 19 20 22 24 25 28 30 32 35 38 40 42 45
140	131.70	73	28	8	1.50		26	24 25 28 30 32 35 38 40 45
145	136.74	73	28	8	1.50		27	24 25 28 30 32 35 38 40 45
150	141.79	73	28	8	1.60		28	24 25 28 30 32 35 38 40 42 45
155	146.83	73	28	8	1.70		29	24 30
161	151.87	73	28	8	1.80		30	22 25 28 30 32 35 38 40 45
166	156.92	73	28	8	1.85		31	
171	161.96	73	28	8	1.90		32	25 28 30 32 35 38 40 45
176	167.01	73	28	8	2.00		33	35
181	172.05	73	28	8	2.10		34	25 28 30 32 35 38 40 45
186	177.10	73	28	8	2.20		35	25 28 30 32 35 38 40 45

★ Has recessed groove in hub for chain clearance
□ Set Screw TYPE II

Finished Bore Sprockets Asian Standard Series

FBK50B

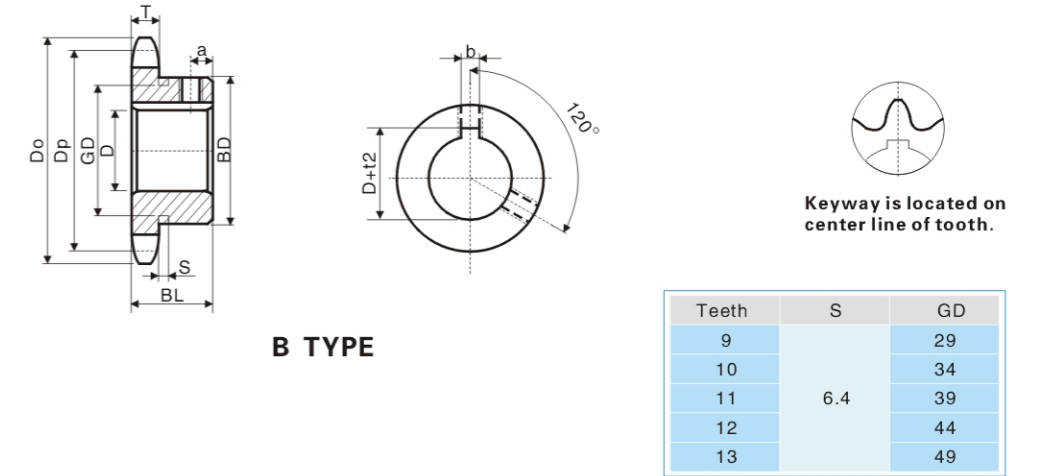
FBK50B

SPROCKETS

Tooth Width (T) 8.7mm

CHAIN

Pitch (P) 15.875mm
Internal width (W) 9.53mm
RollerΦ (Dr) 10.16mm



Material:C45; Hardened Teeth

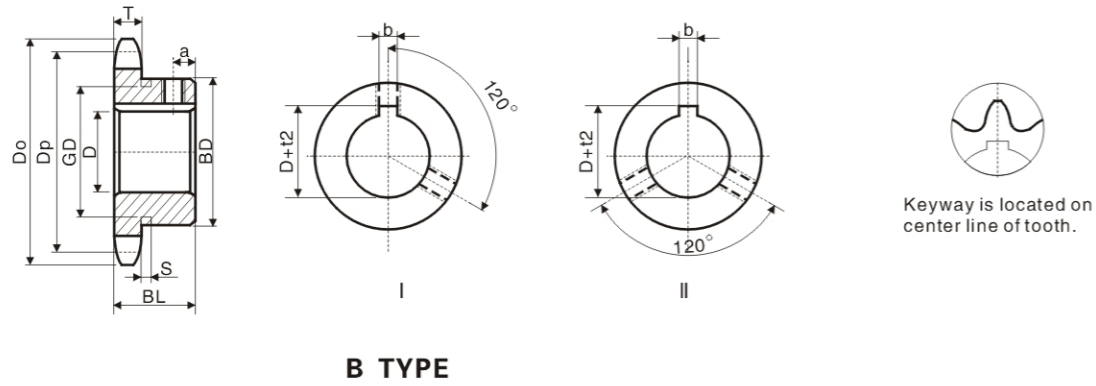
Power Transmission Professional

Do	Dp	BD	BL	a	Wt kg	Type	Teeth	∅ D ^{H7}
53	46.41	★ 34	25	5	0.20	FBK 50B	9	17
58	51.37	★ 40	25	5	0.27		10	15 20 25
64	56.35	★45.5	25	5	0.33		11	17 20 22 25
69	61.34	★ 50	25	5	0.41		12	17 18 19 20 22 24 25 28 30
74	66.34	★ 51	25	5	0.46		13	18 20 22 24 25 28 30 32
79	71.34	52	25	7	0.52		14	18 20 22 24 25 28 30 32 35
84	76.35	57	25	7	0.62		15	15 20 22 24 25 28 30 32 35 38
89	81.37	62	25	7	0.72		16	19 20 22 24 25 28 30 32 35 38 40
94	86.39	67	25	7	0.83		17	18 20 22 24 25 28 30 32 35 38 40
100	91.42	72	28	8	1.00		18	20 22 24 25 28 30 32 35 40
105	96.45	73	28	8	1.10		19	24 25 28 30 32 35 38 40
110	101.48	73	28	8	1.20		20	18 20 22 24 25 28 30 32 35 38 40 45 50
115	106.51	73	28	8	1.20		21	24 25 28 30 32 35 38 40
120	111.55	73	28	8	1.30		22	22 25 28 30 35 40 45
125	116.58	73	28	8	1.30		23	24 25 28 30 32 35 40
130	121.62	73	28	8	1.40		24	22 25 28 30 35 38 40
135	126.66	73	28	8	1.50		25	24 25 28 30 32 35 38 40 45
140	131.70	73	28	8	1.50		26	25 28 30 35 40
145	136.74	73	28	8	1.50		27	30 40
150	141.79	73	28	8	1.60		28	25 28 30 35 40 42
155	146.83	73	28	8	1.70		29	30
161	151.87	73	28	8	1.80		30	28 30 35 40 45
166	156.92	73	28	8	1.85		31	
171	161.96	73	28	8	1.90		32	25 30 35 40
176	167.01	73	28	8	2.00		33	35
181	172.05	73	28	8	2.10		34	30
186	177.10	73	28	8	2.20		35	25 30 35 40

★ Has recessed groove in hub for chain clearance

Finished Bore Sprockets
Asian Standard Series

FBN60B



B TYPE

FBN60B

Power Transmission Professional

SPROCKETS

Tooth Width (T) 11.7mm

CHAIN

Pitch (P) 19.05mm
Internal width (W) 12.07mm
RollerΦ (Dr) 11.91mm

Teeth	S	GD
9		32
10	8.0	37
11		45

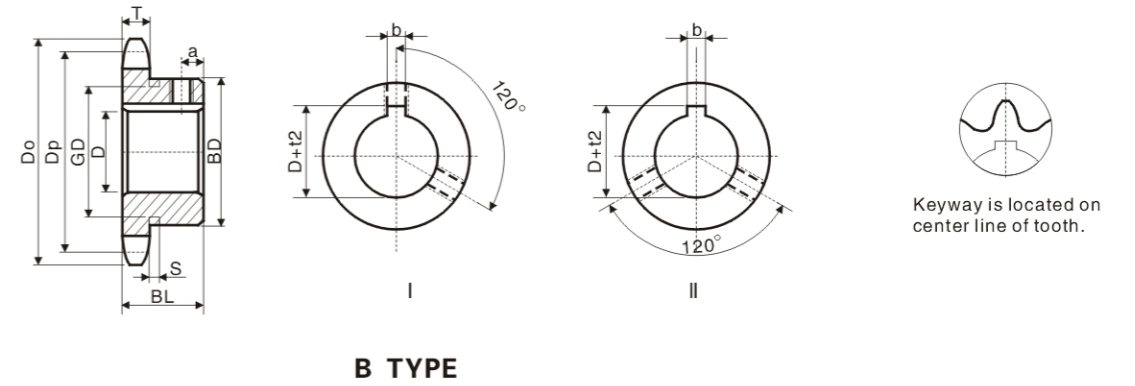
Material:C45; Hardened Teeth

Do	Dp	BD	BL	a	Wt g	Type	Teeth	∅ D ^{H7}
63	55.70	★ 43	32	6	0.40	FBN 60B	9	19 20 22 24 28
68	61.65	★ 49	32	6	0.49		10	19 20 22 24 25 28 30 32
76	67.62	★ 51	32	6	0.60		11	19 20 22 24 25 28 30 32
83	73.60	51	32	8	0.69		12	19 20 22 24 25 28 30 32 35
89	79.60	57	32	8	0.81		13	19 20 22 24 25 28 30 32 35 38 40
95	85.61	62	32	8	0.96		14	19 20 22 24 25 28 30 32 35 38 40
101	91.62	68	32	8	1.10		15	18 19 20 22 24 25 28 30 32 35 38 40 42 45
107	97.65	73	32	8	1.30		16	19 20 22 24 25 28 30 32 35 38 40 42 45 48 50
113	103.67	73	32	8	1.40		17	19 20 22 24 25 28 30 32 35 38 40 42 45 48 50
119	109.71	83	40	12	2.00		18	19 20 22 24 25 28 30 32 35 38 40 42 45 48 50 55
126	115.74	83	40	12	2.10		19	19 20 22 24 25 28 30 32 35 38 40 42 45 48 50 55
132	121.78	83	40	12	2.20		20	19 20 22 24 25 28 30 32 35 38 40 42 45 48 50 55
138	127.82	83	40	12	2.30		21	20 22 24 25 28 30 32 35 38 40 42 45 48 50 55
144	133.86	83	40	12	2.50		22	20 22 24 25 28 30 32 35 38 40 42 45 48 50 55
150	139.90	83	40	12	2.50		23	20 22 24 25 28 30 32 35 38 40 42 45 48 50 55
156	145.95	83	40	12	2.60		24	20 22 24 25 28 30 32 35 38 40 42 45 48 50 55
162	151.99	83	40	12	2.70		25	20 22 24 25 28 30 32 35 38 40 42 45 48 50 55
168	158.04	83	40	12	2.90		26	20 22 24 25 28 30 32 35 38 40 42 45 48 50 55
174	164.09	83	40	12	3.00		27	22 24 25 28 30 32 35 38 40 42 45 48 50
180	170.14	83	40	12	3.10		28	22 24 25 28 30 32 35 38 40 42 45 48 50
187	176.20	83	40	12	3.30		29	
193	182.25	83	40	12	3.40		30	22 24 25 28 30 32 35 38 40 42 45 48 50

★ Has recessed groove in hub for chain clearance
 Set Screw TYPE II

Finished Bore Sprockets
Asian Standard Series

FBK60B



B TYPE

FBK60B

Power Transmission Professional

SPROCKETS

Tooth Width (T) 11.7mm

CHAIN

Pitch (P) 19.05mm
Internal width (W) 12.07mm
RollerΦ (Dr) 11.91mm

Teeth	S	GD
9		32
10	8.0	37
11		45

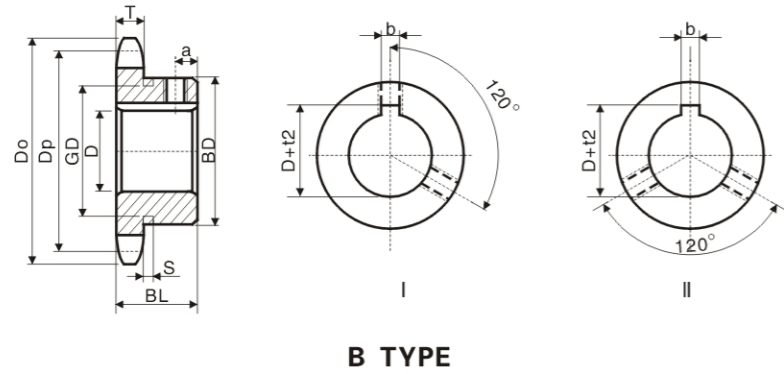
Material:C45; Hardened Teeth

Do	Dp	BD	BL	a	Wt kg	Type	Teeth	∅ D ^{H7}
63	55.70	★ 43	32	6	0.40	FBK 60B	9	
68	61.65	★ 49	32	6	0.49		10	25
76	67.62	★ 51	32	6	0.60		11	25 28 30
83	73.60	51	32	8	0.69		12	24 25 28 30 32 35
89	79.60	57	32	8	0.81		13	25 28 30 32 35 38 40
95	85.61	62	32	8	0.96		14	20 25 28 30 32 35 38 40
101	91.62	68	32	8	1.10		15	18 24 25 28 30 32 35 38 40 45
107	97.65	73	32	8	1.30		16	24 25 28 30 32 35 38 40 45 48 50
113	103.67	73	32	8	1.40		17	25 28 30 32 35 38 40 45 50
119	109.71	83	40	12	2.00		18	25 28 30 32 35 38 40 45 50
126	115.74	83	40	12	2.10		19	25 28 30 32 35 38 40 45 50
132	121.78	83	40	12	2.20		20	25 28 30 32 35 38 40 45 50 55
138	127.82	83	40	12	2.30		21	25 28 30 32 35 38 40 45 50
144	133.86	83	40	12	2.50		22	28 30 35 40 45 50 55
150	139.90	83	40	12	2.50		23	28 30 35 40 45 55
156	145.95	83	40	12	2.60		24	25 30 35 38 40 45 50 55
162	151.99	83	40	12	2.70		25	28 30 35 40 45 50
168	158.04	83	40	12	2.90		26	30 35 40 45 50 55
174	164.09	83	40	12	3.00		27	30 35 40 45
180	170.14	83	40	12	3.10		28	30 35 40 45 50
187	176.20	83	40	12	3.30		29	
193	182.25	83	40	12	3.40		30	35 40 45 50

★ Has recessed groove in hub for chain clearance
 Set Screw TYPE II

Finished Bore Sprockets
Asian Standard Series

FBN80B



B TYPE

FBN80B

SPROCKETS

Tooth Width (T) 14.6mm

CHAIN

Pitch (P) 25.4mm
Internal width (W) 15.88mm
RollerΦ (Dr) 15.88mm

Teeth	S	GD
9	10.4	44

Power Transmission Professional

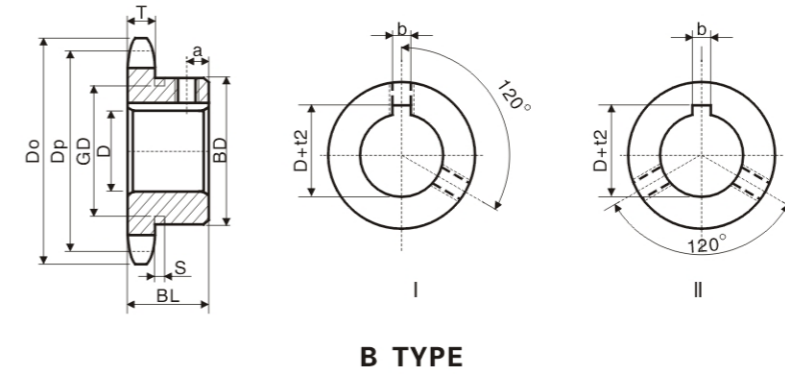
Material:C45; Hardened Teeth

Do	Dp	BD	BL	a	Wt g	Type	Teeth	∅ D ^{H7}
85	74.27	★58	40	7	0.87	FBN 80B	9	25 28 30 32 35
93	82.19	52	40	12	1.02		10	25 28 30 32
102	90.16	60	40	12	1.25		11	25 28 30 32 35 38
110	98.14	67	40	12	1.60		12	25 28 30 32 35 38 40 42 45
118	106.14	77	40	12	1.90		13	25 28 30 32 35 38 40 42 45 48 50
127	114.15	77	40	12	2.15		14	25 28 30 32 35 38 40 42 45 48 50
135	122.17	93	40	12	2.30		15	25 28 30 32 35 38 40 42 45 48 50 55 60
143	130.20	93	40	12	2.50		16	24 25 28 30 32 35 38 40 42 45 48 50 55 60
151	138.23	93	40	12	2.95		17	25 28 30 32 35 38 40 42 45 48 50 55 60
159	146.27	93	40	12	3.15		18	25 28 30 32 35 38 40 42 45 48 50 55 60
167	154.32	93	40	12	3.40		19	25 28 30 32 35 38 40 42 45 48 50 55 60
176	162.37	93	40	12	3.60		20	25 28 30 32 35 38 40 42 45 48 50 55 60
184	170.42	93	40	12	3.85		21	25 28 30 32 35 38 40 42 45 48 50 55 60

★ Has recessed groove in hub for chain clearance
 Set Screw TYPE II

Finished Bore Sprockets
Asian Standard Series

FBK80B



B TYPE

FBK80B

SPROCKETS

Tooth Width (T) 14.6mm

CHAIN

Pitch (P) 25.4mm
Internal width (W) 15.88mm
RollerΦ (Dr) 15.88mm

Teeth	S	GD
9	10.4	44

Power Transmission Professional

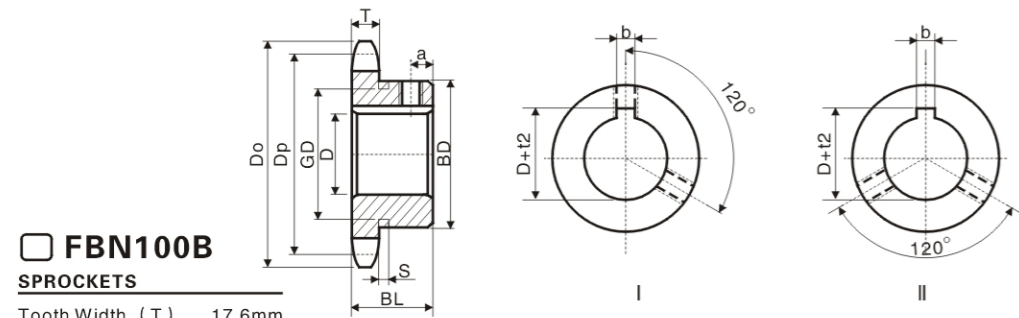
Material:C45; Hardened Teeth

Do	Dp	BD	BL	a	Wt g	Type	Teeth	∅ D ^{H7}
85	74.27	★58	40	7	0.87	FBK 80B	9	
93	82.19	52	40	12	1.02		10	
102	90.16	60	40	12	1.25		11	35 38
110	98.14	67	40	12	1.60		12	32 35 38 40 45
118	106.14	77	40	12	1.90		13	30 32 35 38 40 45 50
127	114.15	77	40	12	2.15		14	35 38 40 45 50
135	122.17	93	40	12	2.30		15	32 35 38 40 45 48 50 55 60
143	130.20	93	40	12	2.50		16	32 38 40 45 50 60
151	138.23	93	40	12	2.95		17	38 40 45 50 55 60
159	146.27	93	40	12	3.15		18	25 32 38 40 45 50 60
167	154.32	93	40	12	3.40		19	35 40 45 50 55 60
176	162.37	93	40	12	3.60		20	40 45 50 55 60
184	170.42	93	40	12	3.85		21	40 45 50 55

★ Has recessed groove in hub for chain clearance
 Set Screw TYPE II

Finished Bore Sprockets
Asian Standard Series

FBN100B
FBN120B



FBN100B
SPROCKETS

Tooth Width (T) 17.6mm

CHAIN

Pitch (P) 31.75mm
Internal width (W) 19.05mm
RollerΦ (Dr) 19.05mm

Material: C45; Hardened Teeth

Do	Dp	BD	BL	a	Wt g	Type	Teeth	∅D ^{H7}
117	102.75	65	50	16	1.90	FBN 100B	10	25 28 30 32 35 38 40 42
127	112.70	75	50	16	2.30		11	25 28 30 32 35 38 40 42 45 48 50
138	122.67	86	50	16	2.90		12	25 28 30 32 35 38 40 42 45 48 50 55
148	132.67	94	50	16	3.10		13	25 28 30 32 35 38 40 42 45 48 50 55
158	142.68	98	50	16	3.60		14	25 28 30 32 35 38 40 42 45 48 50 55 60
168	152.71	98	50	16	4.20		15	32 35 38 40 42 45 48 50 55 60
179	162.74	98	50	16	4.60		16	38 45 50 55 60
189	172.79	107	50	16	5.30		17	38 45 50 60
199	182.84	107	50	16	5.70		18	38 45 50 60
209	192.90	107	50	16	6.10		19	38 45 50 60
220	202.96	107	50	16	6.50		20	38 45 50 60
230	213.03	107	50	16	7.00		21	45 50 60

FBN120B
SPROCKETS

Tooth Width (T) 23.5mm

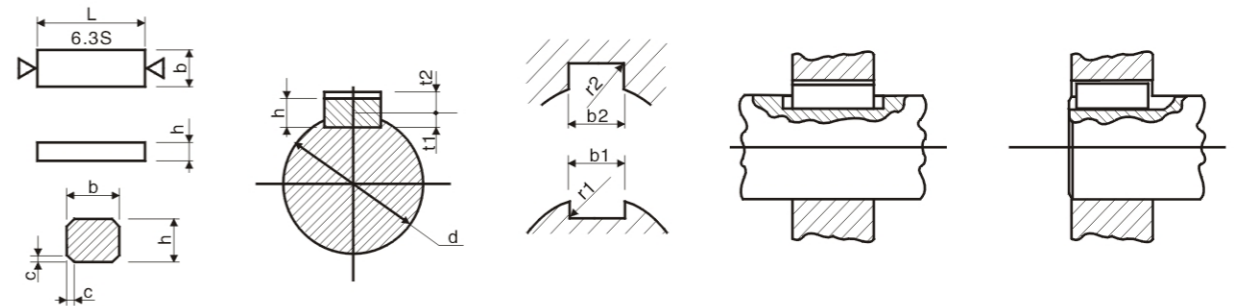
CHAIN

Pitch (P) 38.10mm
Internal width (W) 25.40mm
RollerΦ (Dr) 22.23mm

Material: C45; Hardened Teeth

Do	Dp	BD	BL	a	Wt g	Type	Teeth	∅D ^{H7}
140	123.29	78	56	16	3.20	FBN 120B	10	
153	135.24	91	56	16	4.00		11	
165	147.21	98	56	16	4.80		12	
177	159.20	98	56	16	5.30		13	45 48 50 55 60
190	171.22	107	56	16	6.30		14	45 48 50 55 60
202	183.25	117	63	16	7.80		15	45 48 50 55 60
214	195.29	117	63	16	8.40		16	50 60
227	207.35	117	63	16	9.10		17	
239	219.41	117	63	16	9.90		18	50 60
251	231.48	117	63	16	10.70		19	60
263	243.55	127	63	16	12.10		20	50 60
276	255.63	127	63	16	13.00		21	50 60

Finished Bore Sprockets
Asian Standard Series



New standard (JISB1301-1976)

d	Key					Keyway									
	b	Tolerance h9	h	Tolerance h9	c	L	b2 b1	b1 b2 Tolerance P9	B2 Tolerance N9	b2 Tolerance Js9	r1 r2	t1	t2	t1 t2	Set screw
6 to 8	2x2	2 0	2	0	0.16	6-20	2	-0.006	-0.004	±0.0125	0.08	1.2	1.0		1-M4
8 to 10	3x3	3 -0.025	3	-0.025	0.25	6-36	3	-0.031	-0.029		0.16	1.8	1.4	±0.1	1-M5
10 to 12	4x4	4	4	0	0.25	8-45	4	-0.012	0	±0.0150	0.16	2.5	1.8	0	1-M6
12 to 17	5x5	5 0	5	-0.030	0.25	10-56	5	-0.042	-0.030		0.16	3.0	2.3		1-M6
17 to 22	6x6	6 -0.030	6		0.40	14-70	6				0.25	3.5	2.8		
22 to 30	8x7	8 0	7		0.40	18-90	8	-0.015	0	±0.0180	0.25	4.0	3.3		2-M8
30 to 38	10x8	10 -0.036	10	0	0.40	22-110	10	-0.051	-0.036		0.25	5.0	3.3		2-M8
38 to 44	12x8		12		0.40	28-140	12	-0.018	0	±0.0215	0.25	5.0	3.3		2-M10
44 to 50	14x9	14 0	14		0.60	36-160	14	-0.061	-0.043		0.40	5.5	3.8	±0.2	2-M10
50 to 58	16x10	16 -0.043	16		0.60	45-180	16	-0.061	-0.043		0.40	6.0	4.3	0	2-M12
58 to 65	18x11		18		0.60	50-200	18				0.60	7.0	4.4		2-M12
65 to 75	20x12		20	0	0.60	56-220	20				0.60	7.5	4.9		2-M16
75 to 85	22x14		22	0	0.60	63-250	22	-0.022	0	±0.0260	0.40	9.0	5.4		2-M16
85 to 95	25x14	25 0	25	-0.052	0.80	70-280	25	-0.074	-0.052		0.60	9.0	5.4		2-M20
95 to 110	28x16	28	28		0.80	80-320	28				0.60	10.0	6.4		2-M20
110 to 130	32x18	32	32		1.00	90-360	32				0.70	11.0	7.4		2-M24
130 to 150	36x20	36 0	36	-0.062	1.00	-	36	-0.026	0	±0.0310	0.70	12.0	8.4		2-M24
150 to 170	40x22	40 -0.062	40	0	1.20	-	40	-0.088	-0.062		1.00	13.0	9.4	±0.3	2-M24
170 to 200	45x25	45	45		1.20	-	45				1.00	15.0	10.4	0	2-M24
200 to 230	50x28	50	50		1.20	-	50				1.00	17.0	11.4	0	2-M24

Old standard (JISB1301-1959)

d	bxh	Key				C	L	Keyway									
		TYPE1		TYPE2				TYPE1				TYPE2					
		b Tolerance P8	h Tolerance h9	b Tolerance h8	h Tolerance h10			b1 b2 Tolerance H8	b2 Tolerance F7	b1 Tolerance H9	b2 Tolerance E9	r1 r2	t1	t2	t1 t2	Set screw	
10 to 13	4x4	+0.024	0	0	0	0.5	10-45	4	+0.018	+0.022	+0.030	+0.050	0.4	2.5	1.5		1-M5
13 to 20	5x5	+0.012	-0.030	-0.018	-0.048	0.5	10-56	5	0	+0.010	0	+0.020	0.4	3	2		1-M6
20 to 30	7x7	+0.030		0		0.5	14-90	7	+0.022	+0.028	+0.036	+0.061	0.4	4	3		1-M6
30 to 40	10x8	+0.015		-0.022		0.8	18-112	10	0	+0.013	0	+0.025	0.6	4.5	3.5	±0.05	2-M8
40 to 50	12x8		-0.027		-0.058	0.8	22-140	12	+0.027	+0.034	+0.043	+0.075	0.6	4.5	3.5	0	2-M8
50 to 60	15x10	+0.036		0		1.2	28-160	15	0	+0.016	0	+0.032	1.0	5	5		2-M10
60 to 70	18x12	+0.018		-0.027		1.2	36-200	18					1.0	6	6		2-M10
70 to 80	20x13		0	0	0	1.2	45-224	20	+0.033	+0.041	+0.052	+0.092	1.0	7	6	±0.100	2-M12
80 to 95	24x16	+0.043	-0.043	0	-0.070	1.2	56-250	24	0	+0.020	0	+0.040	1.6	8	8	0	2-M16
95 to 110	28x18	+0.022		-0.033		1.2	63-315	28					1.6	9	9		2-M16
110 to 125	32x20					2.0	80-355	32					1.6	10	10		2-M20
125 to 140	35x22		0	0	0	2.0	100-400	35					1.6	11	11		2-M20
140 to 160	38x24	+0.051	-0.052	-0.039	-0.084	2.0	112-400	38	+0.039	+0.050	+0.062	+0.112	1.6	12	12	Type1	2-M24
160 to 180	42x26	+0.026				2.0	140-450	42	0	+0.025	0	+0.050	1.6	13	13	+0.075	2-M24
180 to 200	45x28					2.0	160-450	45					1.6	14	14	0	2-M24
200 to 224	50x31.5					2.0	180-450	50					1.6	16	15.5		2-M24
224 to 250	56x35.5	+0.062	-0.062	0	-0.100	2.0	200-450	56	+0.046	+0.060	+0.074	+0.134	1.6	18	17.5	+0.150	2-M24
		+0.032		-0.046		2.0			0	+0.030	0	+0.060	1.6	18	17.5	0	2-M24

Stock Bore Sprockets (NK)
Asian Standard Series

Type	Teeth	Form	Do	Dp	Bore d		BD	DP	set screw	wt g	Material
					Min	Max					
NK11SSB	12	B-1	6.2	14.475	4	6	9.4	10.5	M3×0.5	5.9	SUS304 SOLID
	15		19.9	18.020	4	9	13			11.5	
	16		21.1	19.204	4	9	14			13.5	
	18		23.5	21.575	4	11	16			17.7	
	20		25.9	23.949	4	13	19			23.3	
	24		30.7	28.703	6	13	19			25.7	
	28	35.5	33.462	6	13	19	28.7				
	30	B-11	37.9	35.842	6	13	19	M4×0.7	29.7		
	34		42.7	40.604					37.9		
	36		45.1	42.986					40.7		
	40		49.8	47.751					46.5		
	48		59.4	57.283					60.5		

Type	Teeth	Do	Dp	Bore d			BD	BL	Btg	Material
				Stock	Min	Max				
NK15B	11	19.0	16.90	4	5	7	11	10	9	C45 solid
	12	20.5	18.40	4	5	8	12	10	10	
	13	22.0	19.90	4	5	9	14	10	14	
	14	23.5	21.40	6	7	10	15	12	17	
	15	25.0	22.91	6	7	12	17	12	22	
	16	26.5	24.41	8	9	12	18	12	23	
	17	28.0	25.92	8	9	14	20	14	32	
	18	29.5	27.43	8	9	14	22	14	40	
	19	31.0	28.93	8	9	15	23	14	44	
	20	32.5	30.44	8	9	15	24	14	49	
	21	34.0	31.95	8	9	17	26	14	57	
	22	35.5	33.46	8	9	17	27	14	62	
	23	37.5	34.98	8	9	17	28	14	68	
	24	39.0	36.49	8	9	20	30	16	88	
	25	40.5	38.00	8	9	20	32	16	100	
	26	42.0	39.51	10	11	22	33	16	104	
	27	43.5	41.02	10	11	25	35	16	117	
	28	45.0	42.54	10	11	25	37	16	131	
	29	46.5	44.05	10	11	25	38	16	139	
	30	48.0	45.56	10	11	25	39	16	147	
	31	49.5	47.08	10	11	25	40	18	175	
	32	51.0	48.59	10	11	25	40	18	176	
	33	52.5	50.10	10	11	25	40	18	178	
	34	54.0	51.62	10	11	25	40	18	180	
	35	55.5	53.13	10	11	25	40	18	182	

NK11SSB
NK15B

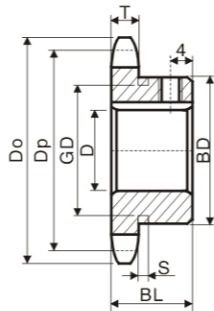
□ NK11SSB

SPROCKETS

Tooth Width (T) 1.6mm

CHAIN

Pitch (P) 3.7465mm
Internal width (W) 1.83mm
RollerΦ (Dr) 2.285mm



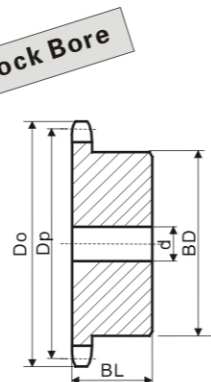
□ NK15B

SPROCKETS

Tooth Width (T) 2.0mm

CHAIN

Pitch (P) 4.7625mm
Internal width (W) 2.38mm
RollerΦ (Dr) 2.48mm



B TYPE

Stock Bore Sprockets (NK)
Asian Standard Series

Type	Teeth	DO	DP	Bore d			BD	BL	wt g	Material
				Stock	Min	Max				
NK 25B	10	23	20.55	6.5	8.5	8.5	14	15	30	C45 Solid
	11	25	22.54	6.5	8.5	8.5	15	15	30	
	12	28	24.53	7.5	9.5	9.5	15	15	30	
	13	30	26.53	7.5	9.5	10	18	15	50	
	14	32	28.54	7.5	9.5	10	20	15	50	
	15	34	30.54	7.5	9.5	10	20	15	50	
	16	36	32.55	9.5	11.5	12	25	15	60	
	17	38	34.56	9.5	11.5	12	25	15	70	
	18	40	36.57	9.5	11.5	12	25	15	70	
	19	42	38.58	9.5	11.5	16	28	15	80	
	20	44	40.59	9.5	11.5	16	28	15	80	
	21	46	42.61	9.5	11.5	16	28	15	90	
	22	48	44.65	9.5	11.5	16	30	15	100	
	23	50	46.63	9.5	11.5	16	30	15	110	
	24	52	48.65	9.5	11.5	16	30	15	120	
	25	54	50.66	9.5	11.5	20	35	15	140	
	26	56	52.68	9.5	11.5	20	35	15	140	
	27	58	54.70	9.5	11.5	20	35	15	150	
	28	60	56.71	9.5	11.5	20	35	15	150	
	29	62	58.73	9.5	11.5	20	35	15	160	
	30	64	60.75	9.5	11.5	20	35	15	160	
	31	66	62.77	10.5	12.5	22	40	20	200	
	32	68	64.78	10.5	12.5	22	40	20	200	
	33	70	66.80	10.5	12.5	22	40	20	210	
	34	72	68.82	10.5	12.5	22	40	20	210	
	35	74	70.84	10.5	12.5	22	40	20	210	
	36	76	72.86	10.5	12.5	22	40	20	220	
	37	78	74.88	10.5	12.5	22	40	20	260	
	38	80	76.90	10.5	12.5	22	40	20	260	
	39	82	78.91	10.5	12.5	22	40	20	270	
	40	84	80.93	10.5	12.5	22	40	20	270	
	41	87	82.95	10.5	12.5	22	40	20	320	
	42	89	84.97	10.5	12.5	30	50	20	320	
	43	91	86.99	10.5	12.5	30	50	20	400	
	44	93	89.01	10.5	12.5	30	50	20	410	
	45	95	91.03	10.5	12.5	30	50	20	410	
	48	101	97.09	10.5	12.5	30	50	20	430	
	50	105	101.13	10.5	12.5	30	50	20	460	
	54	113	109.21	10.5	12.5	30	50	20	470	
	60	125	121.33	10.5	12.5	30	50	20	520	
65	135	131.43	11.5	13.5	30	50	20	720		
70	145	141.54	11.5	13.5	30	50	20	770		
75	155	151.64	11.5	13.5	30	50	20	820		
80	165	161.74	11.5	13.5	30	50	20	880		

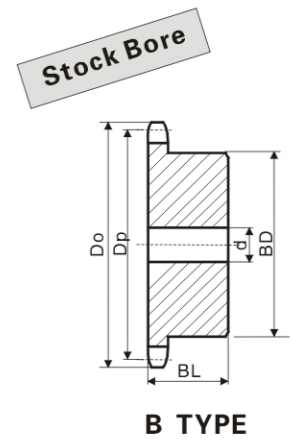
□ NK25B

SPROCKETS

Tooth Width (T) 2.8mm

CHAIN

Pitch (P) 6.35mm
Internal width (W) 3.18mm
RollerΦ (Dr) 3.3mm



B TYPE

Stock Bore Sprockets (NK) Asian Standard Series

NK35B

Type	Teeth	Do	Dp	Bore d			BD	BL	Wt kg	Material
				Stock	Min	Max				
NK 35B	9	32	27.85	8.5	10.5	11	★21.5	20	0.06	C45 Solid Hardened Teeth
	10	34	30.82	8.5	10.5	12	★24.5	20	0.08	
	11	38	33.81	9.5	11.5	14	★27	20	0.09	
	12	41	36.81	9.5	11.5	16	★30.5	20	0.12	
	13	44	39.80	9.5	11.5	18	★32	20	0.12	
	14	47	42.81	9.5	11.5	18	32	20	0.12	
	15	51	45.81	9.5	11.5	20	35	20	0.16	
	16	54	48.82	9.5	11.5	20	37	20	0.19	
	17	57	51.84	11.5	13.5	25	41	20	0.22	
	18	60	54.85	11.5	13.5	25	44	20	0.25	
	19	63	57.87	11.5	13.5	28	47	20	0.28	
	20	66	60.89	11.5	13.5	30	50	20	0.32	
	21	69	63.91	11.5	13.5	32	53	20	0.36	
	22	72	66.93	11.5	13.5	35	56	20	0.37	
	23	75	69.95	11.5	13.5	38	60	20	0.38	
	24	78	72.97	11.5	13.5	32	53	22	0.43	
	25	81	76.00	11.5	13.5	32	53	22	0.44	
	26	84	79.02	11.5	13.5	32	53	22	0.45	
	27	87	82.05	11.5	13.5	32	53	22	0.46	
	28	90	85.07	12.5	13.5	32	53	22	0.48	
	29	93	88.10	12.5	13.5	32	53	22	0.49	
	30	96	91.12	12.5	13.5	32	53	22	0.51	
	31	99	94.15	12.5	13.5	32	53	22	0.53	
	32	102	97.18	12.5	13.5	32	53	22	0.54	
	33	105	100.20	16	13.5	32	53	22	0.56	
	34	109	103.23	16	13.5	32	53	22	0.57	
	35	112	106.26	16	13.5	32	53	22	0.59	
	36	115	109.29	16	14.5	42	63	25	0.61	
	37	118	112.31	16	14.5	42	63	25	0.80	
	38	121	115.34	16	14.5	42	63	25	0.82	
	39	124	118.37	16	14.5	42	63	25	0.84	
	40	127	121.40	16	14.5	42	63	25	0.85	
41	130	124.43	16	18	42	63	25	0.91		
42	133	127.46	16	18	42	63	25	0.93		
43	136	130.49	16	18	42	63	25	0.95		
44	139	133.52	16	18	42	63	25	0.97		
45	142	136.55	16	18	42	63	25	1.00		
46	145	139.58	16	18	42	63	25	1.01		
47	148	142.61	16	18	42	63	25	1.03		
48	151	145.64	16	18	42	63	25	1.05		
50	157	151.70	16	18	42	63	25	1.07		
53	166	160.78	16	18	42	63	25	1.09		
54	169	163.81	16	18	42	63	25	1.10		
55	172	166.85	16	18	42	63	25	1.25		
60	187	182.00	16	18	42	63	25	1.30		
64	200	194.12	16	18	42	63	25	1.46		
65	203	197.15	16	18	45	68	25	1.67		
70	218	212.30	16	18	45	68	25	1.80		
75	233	227.46	16	18	45	68	25	1.90		
80	248	242.61	16	18	45	68	25	2.40		

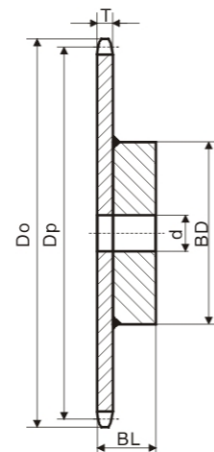
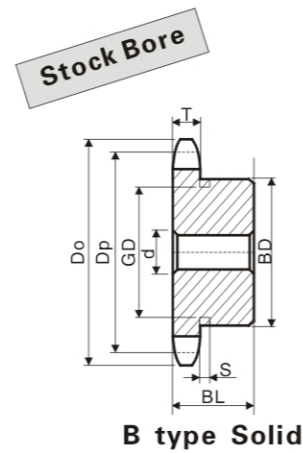
□ NK35B

SPROCKETS

Tooth Width (T) 4.3mm

CHAIN

Pitch (P) 9.525mm
Internal width (W) 4.78mm
RollerΦ (Dr) 5.08mm



Teeth	S	GD
9	4.4	17
10		20
11		23
12		26
13		29

Stock Bore Sprockets (NK) Asian Standard Series

NK410B

□ NK410B

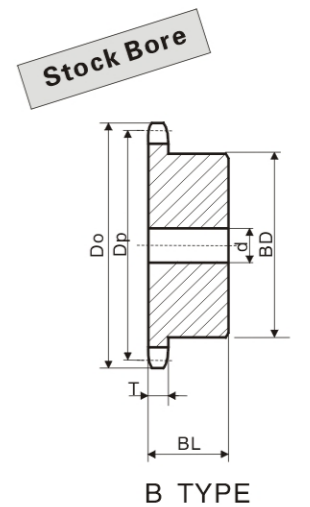
SPROCKETS

Tooth Width (T) 2.8mm

CHAIN

Pitch (P) 12.70mm
Internal width (W) 3.40mm
RollerΦ (Dr) 7.77mm

Type	Teeth	Do	Dp	Bore d			BD	BL	Wt kg	Material
				Stock	Min	Max				
NK 410B	10	46	41.10	9.5	11.5	16	28	20	0.14	C45 Solid
	11	51	45.08	10.5	12.5	16	30	20	0.19	
	12	55	49.07	11.5	13.5	18	34	20	0.22	
	13	59	53.07	13.5	15.5	20	38	20	0.23	
	14	63	57.07	13.5	15.5	25	42	20	0.28	
	15	67	61.08	13.5	15.5	28	46	20	0.34	
	16	71	65.10	13.5	15.5	30	50	20	0.40	
	17	76	69.12	13.5	15.5	32	54	22	0.46	
	18	80	73.14	13.5	15.5	35	57	22	0.51	
	19	84	77.16	13.5	15.5	40	62	22	0.59	
	20	88	81.18	14	16	45	67	25	0.76	
	21	92	85.21	14	16	48	71	25	0.85	
	22	96	89.24	14	16	51	75	25	0.95	
	23	100	93.27	14	16	51	77	25	1.00	
	24	104	97.30	14	16	42	63	25	0.84	
	25	108	101.33	14	16	42	63	25	0.88	
	26	112	105.36	14	16	42	63	25	0.92	
	27	116	109.40	14	16	42	63	25	0.96	
	28	120	113.43	14	16	42	63	25	1.00	
	29	124	117.46	14	16	42	63	25	1.00	
30	128	121.50	14	16	42	63	25	1.10		
32	137	129.57	14	16	45	68	28	1.30		
34	145	137.64	14	16	45	68	28	1.30		
35	149	141.68	14	16	45	68	28	1.40		
36	153	145.72	16	18	45	68	28	1.50		
40	169	161.87	16	18	45	68	28	1.70		



★ Has recessed groove in hub for chain clearance

Stock Bore Sprockets (NK)
Asian Standard Series

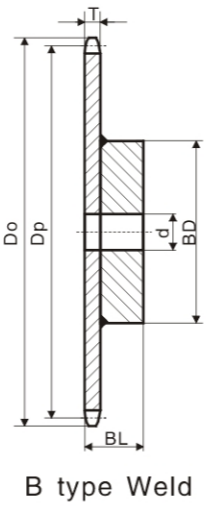
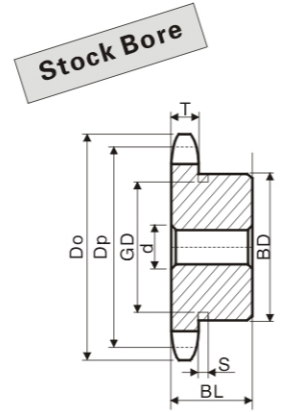
NK40B

Stock Bore Sprockets (NK)
Asian Standard Series

NK50B

Type	Teeth	Do	Dp	Bore d			BD	BL	Wt kg	Material
				Stock	Min	Max				
NK 40B	9	42	37.13	8.5	10.5	16	★ 28	22	0.11	C45 Solid Hardened Teeth
	10	46	41.10	9.5	11.5	18	★ 32	22	0.14	
	11	51	45.08	10.5	12.5	20	★ 36	22	0.19	
	12	55	49.07	11.5	13.5	22	★ 40	22	0.22	
	13	59	53.07	13.5	15.5	20	★ 37	22	0.23	
	14	63	57.07	13.5	15.5	25	42	22	0.28	
	15	67	61.08	13.5	15.5	28	46	22	0.34	
	16	71	65.10	13.5	15.5	30	50	22	0.40	
	17	76	69.12	13.5	15.5	32	54	22	0.46	
	18	80	73.14	13.5	15.5	35	57	22	0.51	
	19	84	77.16	13.5	15.5	40	62	22	0.59	
	20	88	81.18	14	16	45	67	25	0.76	
	21	92	85.21	14	16	48	71	25	0.85	
	22	96	89.24	14	16	51	75	25	0.95	
	23	100	93.27	14	16	51	77	25	1.00	
	24	104	97.30	14	16	42	63	25	0.84	
	25	108	101.33	14	16	42	63	25	0.88	
	26	112	105.36	13	16	42	63	25	0.92	
	27	116	109.40	13	16	42	63	25	0.96	
	28	120	113.43	13	16	42	63	25	1.00	
	29	124	117.46	13	16	42	63	25	1.00	
	30	128	121.50	13	16	42	63	25	1.10	
	31	133	125.53	14	16	45	68	28	1.20	
	32	137	129.57	14	16	45	68	28	1.30	
	33	141	133.61	14	16	45	68	28	1.30	
	34	145	137.64	14	16	45	68	28	1.30	
	35	149	141.68	14	16	45	68	28	1.40	
	36	153	145.72	16	18	45	68	28	1.50	
	37	157	149.75	16	18	45	68	28	1.55	
	38	161	153.79	16	18	45	68	28	1.60	
	39	165	157.83	16	18	45	68	28	1.65	
	40	169	161.87	16	18	45	68	28	1.70	
	41	173	165.91	16	18	48	73	32	2.00	
	42	177	169.95	16	18	48	73	32	2.05	
	43	181	173.98	16	18	48	73	32	2.10	
	44	185	178.02	16	18	48	73	32	2.17	
45	189	182.06	16	18	48	73	32	2.25		
46	193	186.10	16	18	48	73	32	2.30		
47	197	190.14	16	18	48	73	32	2.37		
48	201	194.18	16	18	48	73	32	2.45		
49	205	198.22	16	18	48	73	32	2.51		
50	209	202.26	16	18	48	73	32	2.60		
51	214	206.30	16	18	48	73	32	2.65		
52	218	210.34	16	18	48	73	32	2.72		
53	222	214.38	16	18	48	73	32	2.80		
54	226	218.42	16	18	48	73	32	2.90		
55	230	222.46	16	18	48	73	32	2.96		
56	234	226.50	16	18	48	73	32	3.04		
60	250	242.66	16	18	48	73	32	3.40		
64	266	258.83	16	18	48	73	32	3.73		
65	270	262.87	16	18	55	83	32	4.10		
68	282	274.99	16	18	55	83	32	4.35		
70	290	283.07	16	18	55	83	32	4.57		
72	299	291.16	20	22	55	83	32	4.80		
75	311	303.28	20	22	55	83	32	5.10		
80	331	323.49	20	22	60	88	35	5.90		
85	351	343.69	20	22	60	88	35	6.50		
90	371	363.90	20	22	60	88	35	7.15		

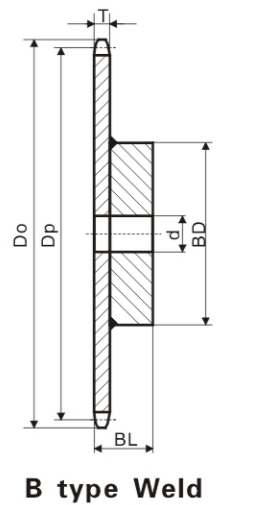
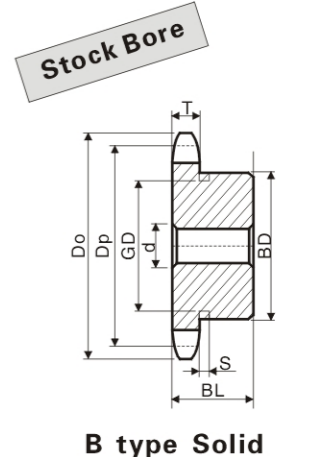
☐ NK40B
SPROCKETS
Tooth Width (T) 7.2mm
CHAIN
Pitch (P) 12.7mm
Internal width (W) 7.95mm
RollerΦ (Dr) 7.95mm



Teeth	S	GD
9	5.2	23
10		27
11		31
11		31
12		35

Type	Teeth	Do	Dp	Bore d			BD	BL	Wt kg	Material
				Stock	Min	Max				
NK 50B	8	48	41.48	11.5	13.5	13.5	★ 22	25	0.12	C45 Solid Hardened Teeth
	9	53	46.42	11.5	13.5	18	★ 34	25	0.20	
	10	58	51.37	14.5	16.5	22	★ 40	25	0.27	
	11	64	56.35	14.5	16.5	28	★ 45.5	25	0.33	
	12	69	61.34	14.5	16.5	30	★ 50	25	0.41	
	13	74	66.34	14.5	16.5	32	51	25	0.46	
	14	79	71.34	14.5	16.5	32	52	25	0.52	
	15	84	76.35	14.5	16.5	35	57	25	0.62	
	16	89	81.37	14	16	40	62	25	0.72	
	17	94	86.39	14	16	45	67	25	0.83	
	18	100	91.42	14	16	48	72	28	1.00	
	19	105	96.45	14	16	48	73	28	1.10	
	20	110	101.48	14	16	48	73	28	1.20	
	21	115	106.51	14	16	48	73	28	1.20	
	22	120	111.55	16	18	48	73	28	1.30	
	23	125	116.58	16	18	48	73	28	1.30	
	24	130	121.62	16	18	48	73	28	1.40	
	25	135	126.66	16	18	48	73	28	1.50	
	26	140	131.70	16	18	48	73	28	1.50	
	27	145	136.74	16	18	48	73	28	1.50	
	28	150	141.79	16	18	48	73	28	1.60	
	29	155	146.83	16	18	48	73	28	1.70	
	30	161	151.87	16	18	48	73	28	1.80	
	31	166	156.92	16	18	48	73	28	1.85	
	32	171	161.96	16	18	48	73	28	1.90	
	33	176	167.01	16	18	48	73	28	2.00	
	34	181	172.05	16	18	48	73	28	2.10	
	35	186	177.10	16	18	48	73	28	2.20	
	36	191	182.14	16	18	55	83	35	2.85	
	37	196	187.19	16	18	55	83	35	2.95	
	38	201	192.24	16	18	55	83	35	3.05	
	39	206	197.29	16	18	55	83	35	3.15	
	40	211	202.33	16	18	55	83	35	3.25	
	41	216	207.38	16	18	55	83	35	3.40	
	42	221	212.43	16	18	55	83	35	3.50	
	43	226	217.48	16	18	55	83	35	3.60	
	44	231	222.53	16	18	55	83	35	3.70	
	45	237	227.58	16	18	55	83	35	3.85	
	46	242	232.63	16	18	55	83	35	3.96	
	47	247	237.68	16	18	55	83	35	4.09	
	48	252	242.73	16	18	55	83	35	4.20	
	49	257	247.78	16	18	55	83	35	4.35	
	50	262	252.83	16	18	55	83	35	4.50	
	51	267	257.88	16	18	55	83	35	4.62	
	52	272	262.92	16	18	55	83	35	4.76	
	53	277	267.97	16	18	55	83	35	4.91	
	54	282	273.02	16	18	55	83	35	5.05	
	55	287	278.08	16	18	55	83	35	5.20	
	56	292	283.13	16	18	55	83	35	5.36	
	57	297	288.18	16	18	55	83	35	5.51	
	58	302	293.23	16	18	55	83	35	5.67	
	60	312	303.33	16	18	55	83	35	6.00	
	65	338	328.58	20	22	63	93	40	7.40	
	68	353	343.74	20	22	63	93	40	7.94	
	70	363	353.84	20	22	63	93	40	8.30	
	75	388	379.10	20	22	63	93	40	9.35	
	80	414	404.36	20	22	63	98	45	10.50	
	85	439	429.62	20	22	63	98	45	12.00	
	90	464	454.88	20	22	63	98	45	13.20	

☐ NK50B
SPROCKETS
Tooth Width (T) 8.7mm
CHAIN
Pitch (P) 15.875mm
Internal width (W) 9.53mm
RollerΦ (Dr) 10.16mm



Teeth	S	GD
8	6.4	22
9		29
10		34
11		39
12		44
13		49

★ Has recessed groove in hub for chain clearance

★ Has recessed groove in hub for chain clearance

Stock Bore Sprockets (NK) Asian Standard Series

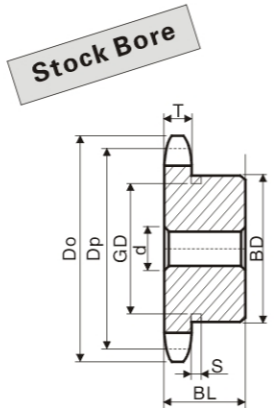
NK60B

Stock Bore Sprockets (NK) Asian Standard Series

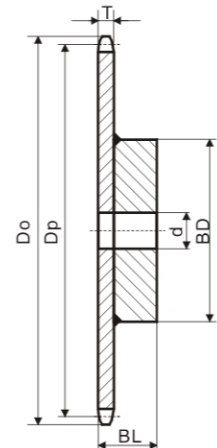
NK80B

Type	Teeth	Do	Dp	Bore d			BD	BL	Wt kg	Material
				Stock	Min	Max				
NK 60	9	63	55.70	11.5	13.5	25	★ 43	32	0.40	C45 Solid
	10	68	61.65	14.5	16.5	30	★ 49	32	0.49	
	11	76	67.62	14.5	16.5	32	★ 51	32	0.60	
	12	83	73.60	14.5	16.5	32	51	32	0.69	
	13	89	79.60	14	16	35	57	32	0.81	
	14	95	85.61	16	18	40	62	32	0.96	
	15	101	91.62	16	18	45	68	32	1.10	
	16	107	97.65	16	18	48	73	32	1.30	
	17	113	103.67	16	18	48	73	32	1.40	
	18	119	109.71	16	18	55	83	40	2.00	
	19	126	115.74	16	18	55	83	40	2.10	
	20	132	121.79	16	18	55	83	40	2.20	
	21	138	127.82	16	18	55	83	40	2.30	
	22	144	133.86	16	18	55	83	40	2.50	
	23	150	139.90	16	18	55	83	40	2.50	
	24	156	145.95	16	18	55	83	40	2.60	
	25	162	151.99	16	18	55	83	40	2.70	
	26	168	158.04	16	18	55	83	40	2.90	
	27	174	164.09	20	22	55	83	40	3.00	
	28	180	170.14	20	22	55	83	40	3.10	
	29	187	176.20	20	22	55	83	40	3.30	
	30	193	182.25	20	22	55	83	40	3.40	
	31	199	188.30	20	22	55	83	40	3.64	
	32	205	194.35	20	22	55	83	40	3.80	
	33	211	200.41	20	22	55	83	40	4.00	
	34	217	206.46	20	22	55	83	40	4.15	
	35	223	212.52	20	22	55	83	40	4.33	
	36	229	218.57	20	22	55	83	40	4.52	
	37	235	224.63	20	22	55	83	40	4.70	
	38	241	230.69	20	22	55	83	40	4.90	
	39	247	236.74	20	22	55	83	40	5.10	
	40	253	242.80	20	22	55	83	40	5.30	
	41	260	248.86	20	22	63	93	45	6.00	
	42	266	254.92	20	22	63	93	45	6.40	
	43	272	260.98	20	22	63	93	45	6.60	
	44	278	267.03	20	22	63	93	45	6.88	
	45	284	273.09	20	22	63	93	45	7.10	
	46	290	279.15	20	22	63	93	45	7.28	
	47	296	285.21	20	22	63	93	45	7.53	
	48	302	291.27	20	22	63	93	45	7.85	
	49	308	297.33	20	22	63	93	45	8.04	
	50	314	303.39	20	22	63	93	45	8.40	
51	320	309.45	20	22	63	93	45	8.57		
52	326	315.51	20	22	63	93	45	8.84		
54	338	327.63	20	22	63	93	45	9.50		
55	345	333.69	20	22	63	93	45	9.69		
56	351	339.75	20	22	63	93	45	9.99		
58	363	351.87	20	22	63	93	45	10.59		
60	375	363.99	20	22	63	93	45	11.30		
64	399	388.24	20	22	63	93	45	12.50		
65	405	394.30	26	28	75	107	45	13.50		
70	436	424.61	26	28	75	107	45	15.30		
75	466	454.92	26	28	75	107	45	17.20		
80	496	485.23	26	28	80	117	50	20.00		
85	527	515.54	26	28	80	117	50	22.30		
90	557	545.85	26	28	80	117	50	24.60		

NK60B SPROCKETS
Tooth Width (T) 11.7mm
CHAIN
Pitch (P) 19.05mm
Internal width (W) 12.70mm
RollerΦ (Dr) 11.91mm



B type Solid



B type Weld

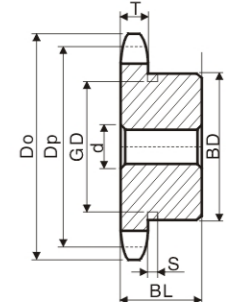
Teeth	S	GD
9		32
10	8.0	37
11		45

★ Has recessed groove in hub for chain clearance

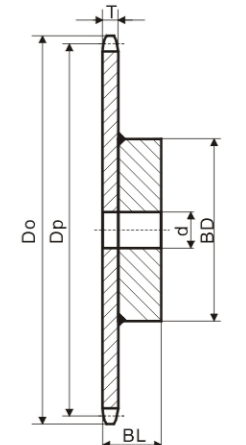
Type	Teeth	Do	Dp	Bore d			BD	BL	Wt kg	Material
				Stock	Min	Max				
NK 80B	9	85	74.27	16	18	35	58	40	0.87	C45 Solid Hardened Teeth
	10	93	82.19	16	18	32	52	40	1.02	
	11	102	90.16	16	18	38	60	40	1.25	
	12	110	98.14	16	18	45	67	40	1.60	
	13	118	106.14	16	18	51	77	40	1.90	
	14	127	114.15	16	18	51	77	40	2.15	
	15	135	122.17	20	22	63	93	40	2.30	
	16	143	130.20	20	22	63	93	40	2.50	
	17	151	138.23	20	22	63	93	40	2.95	
	18	159	146.27	20	22	63	93	40	3.15	
	19	167	154.32	20	22	63	93	40	3.40	
	20	176	162.37	20	22	63	93	40	3.60	
	21	184	170.42	20	22	63	93	40	3.85	
	22	192	178.48	26	28	75	107	45	5.00	
	23	200	186.54	26	28	75	107	45	5.23	
	24	208	194.60	26	28	75	107	45	5.50	
	25	216	202.66	26	28	75	107	45	5.80	
	26	224	210.72	26	28	75	107	45	6.10	
	27	233	218.79	26	28	75	107	45	6.40	
	28	241	226.86	26	28	75	107	45	6.75	
	29	249	234.93	26	28	75	107	45	7.10	
	30	257	243.00	26	28	75	107	45	7.40	
	31	265	251.07	26	28	75	107	45	7.80	
	32	273	259.14	26	28	75	107	45	8.15	
	33	281	267.21	26	28	75	107	45	8.50	
	34	289	275.29	26	28	75	107	45	8.90	
	35	297	283.36	26	28	75	107	45	9.30	
	36	306	291.43	26	28	80	117	50	10.60	
	37	314	299.51	26	28	80	117	50	11.00	
	38	322	307.58	26	28	80	117	50	11.40	
	39	330	315.66	26	28	80	117	50	11.90	
	40	338	323.74	26	28	80	117	50	12.40	
	41	346	331.81	26	28	80	117	50	12.80	
	42	354	339.89	26	28	80	117	50	13.30	
	43	362	347.97	26	28	80	117	50	13.80	
	44	370	356.04	26	28	80	117	50	14.30	
	45	378	364.12	26	28	80	117	50	14.90	
	46	387	372.20	26	28	80	117	50	15.30	
	47	395	380.28	26	28	80	117	50	15.70	
	48	403	388.36	26	28	80	117	50	15.80	
	50	419	404.52	26	28	80	117	50	17.65	
	52	435	420.68	26	28	80	117	50	18.70	
53	443	428.76	26	28	80	117	50	19.30		
54	451	436.84	26	28	80	117	50	20.00		
55	459	444.92	26	28	80	117	50	20.60		
56	468	453.00	26	28	80	117	50	21.30		
58	484	469.16	26	28	80	117	50	22.55		
60	500	485.33	26	28	80	117	50	23.10		
65	540	525.73	26	28	89	127	63	29.40		
70	581	566.15	26	28	89	127	63	32.10		
75	621	606.56	26	28	89	127	63	36.20		
80	662	646.97	26	28	95	127	71	42.90		
90	743	727.80	26	28	95	127	71	53.00		

NK80B SPROCKETS
Tooth Width (T) 14.6mm

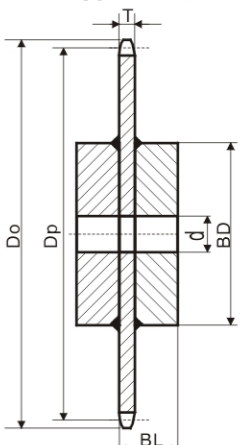
CHAIN
Pitch (P) 25.4mm
Internal width (W) 15.88mm
RollerΦ (Dr) 15.88mm



B type Solid



B Type Weld



C Type Weld

Teeth	S	GD
9	10.4	44

★ Has recessed groove in hub for chain clearance

Stock Bore Sprockets (NK) Asian Standard Series

Type	Teeth	Do	Dp	Bore d			BD	BL	wt kg	Material
				Stock	Min	Max				
NK100B	9	106	92.84	20	22	40	★70	50	1.6	C45 Solid Hardened Teeth
	10	117	102.74	20	22	45	65	50	1.9	
	11	127	112.70	20	22	51	75	50	2.3	
	12	138	122.67	20	22	57	86	50	2.9	
	13	148	132.67	20	22	63	94	50	3.1	
	14	158	142.68	20	22	66	98	50	3.6	
	15	168	152.71	20	22	66	98	50	4.2	
	16	179	162.74	20	22	66	98	50	4.6	
	17	189	172.79	20	22	75	107	50	5.3	
	18	199	182.84	20	22	75	107	50	5.7	
	19	209	192.90	20	22	75	107	50	6.1	
	20	220	202.96	20	22	75	107	50	6.5	
	21	230	213.03	20	22	75	107	50	7.0	
	22	240	223.10	20	22	80	117	56	7.9	
	23	250	233.17	20	22	80	117	56	8.5	
	24	260	243.25	20	22	80	117	56	8.8	
	25	270	253.32	20	22	80	117	56	9.3	
	26	281	263.40	26	22	80	117	56	9.8	
	27	291	273.49	26	22	80	117	56	10.3	
	28	301	283.57	26	22	80	117	56	10.9	
	29	311	293.66	26	22	80	117	56	11.5	
	30	321	303.75	26	28	80	117	56	12.1	
	32	341	323.92	26	28	80	117	56	14.5	
	33	352	334.01	26	28	80	117	56	16.1	
	34	362	344.11	26	28	80	117	56	16.6	
	35	372	354.20	26	28	89	127	63	17.5	
	36	382	364.29	26	28	89	127	63	18.0	
	37	392	374.38	26	28	89	127	63	18.9	
	38	402	384.48	26	28	89	127	63	19.5	
	40	422	404.67	26	28	89	127	63	20.4	
	41	433	414.77	26	28	89	127	63	21.5	
	42	443	424.86	26	28	89	127	63	22.6	
	45	473	455.16	26	28	89	127	63	24.7	
	47	493	475.35	26	28	89	127	63	26.7	
	48	503	485.45	26	28	89	127	63	27.5	
50	524	505.65	26	28	89	127	63	30.0		
54	564	546.05	26	28	103	147	80	37.4		
55	574	556.15	26	28	103	147	80	41.6		
60	625	606.66	26	28	103	147	80	44.3		
65	675	657.17	26	28	103	147	80	54.5		
70	726	707.68	26	28	103	147	100	64.7		
NK100C	75	777	758.20	26	28	103	147	100	72.7	

★Has recessed groove in hub for chain clearance

Teeth	S	GD
9	11.5	55

Stock Bore

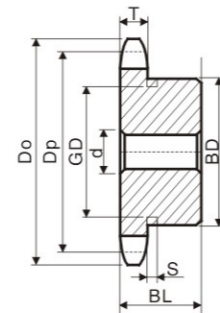
NK100B NK100C

□NK100B/100C SPROCKETS

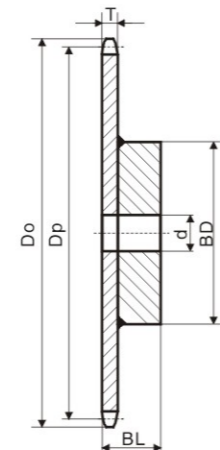
Tooth Width (T) 17.6mm

CHAIN

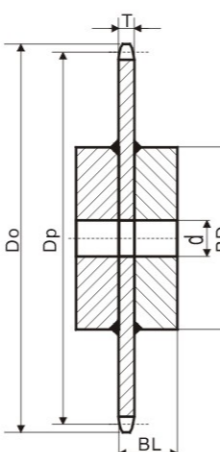
Pitch (P) 31.75mm
Internal width (W) 19.05mm
RollerΦ (Dr) 19.05mm



B type Solid



B Type Weld



C Type Weld

Stock Bore Sprockets (NK) Asian Standard Series

Power Transmission Professional

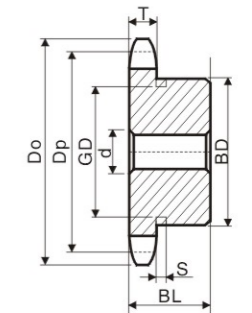
Type	Teeth	Do	Dp	Bore d			BD	BL	wt kg	Material
				Stock	Min	Max				
NK120B	10	140	123.29	20	22	51	78	56	3.20	C45 Solid Hardened Teeth
	11	153	135.24	20	22	60	91	56	4.00	
	12	165	147.21	20	22	66	98	56	4.80	
	13	177	159.20	20	22	66	98	56	5.30	
	14	190	171.22	20	22	75	107	56	6.30	
	15	202	183.25	20	22	80	117	63	7.80	
	16	214	195.29	20	22	80	117	63	8.40	
	17	227	207.35	20	22	80	117	63	9.10	
	18	239	219.41	20	22	80	117	63	9.90	
	19	251	231.48	20	22	80	117	63	10.70	
	20	263	243.55	20	22	89	127	63	12.10	
	21	276	255.63	20	22	89	127	63	13.00	
	22	288	267.72	26	28	89	127	63	13.40	
	23	300	279.80	26	28	89	127	63	14.50	
	24	312	291.90	26	28	89	127	63	15.20	
	25	324	303.99	26	28	89	127	63	16.20	
	26	337	316.09	26	28	89	127	63	17.20	
	28	361	340.29	26	28	95	137	71	20.90	
	30	385	364.50	26	28	95	137	71	23.20	
	32	410	388.71	26	28	95	137	71	25.70	
	33	422	400.82	26	28	95	137	71	28.40	
	34	434	412.93	26	28	95	137	71	29.00	
	35	446	425.04	26	28	95	137	71	29.70	
	36	458	437.15	26	28	95	137	71	32.00	
	38	483	461.38	26	28	95	137	71	35.00	
	40	507	485.60	26	28	103	147	80	38.20	
	42	531	509.84	26	28	103	147	80	42.00	
	45	568	546.19	26	28	103	147	80	47.60	
	48	604	582.54	26	28	103	147	80	53.00	
	50	628	606.78	26	28	103	147	80	58.00	
	NK120C	54	677	655.26	26	28	103	147	100	65.20
		60	750	727.99	26	28	103	167	100	78.00

□NK120B/120C SPROCKETS

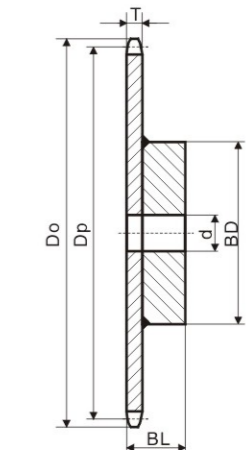
Tooth Width (T) 23.5mm

CHAIN

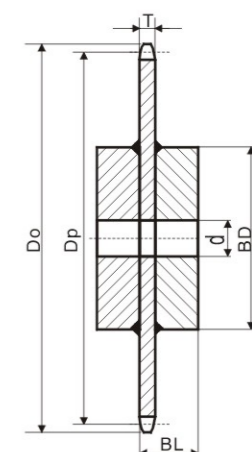
Pitch (P) 38.10mm
Internal width (W) 25.40mm
RollerΦ (Dr) 22.23mm



B type Solid



B Type Weld



C Type Weld

Stock Bore Sprockets (NK) Asian Standard Series

□ NK140B/140C

SPROCKETS

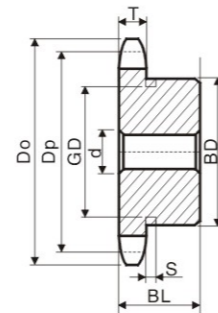
Tooth Width (T) 23.5mm

CHAIN

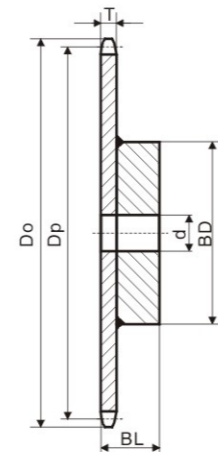
Pitch (P) 44.45mm
Internal width (W) 25.22mm
RollerΦ (Dr) 25.40mm

Stock Bore

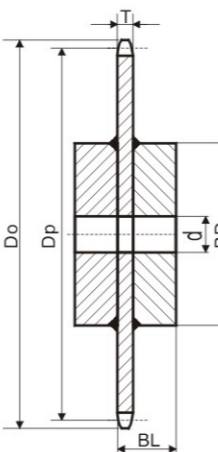
NK140B NK140C



B type Solid



B Type Weld



C Type Weld

Type	Teeth	Do	Dp	Bore d			BD	BL	wt kg	Material
				Stock	Min	Max				
NK140B	10	163	143.84	26	28	66	98	56	4.90	C45 Solid
	11	178	157.78	26	28	70	106	56	5.50	
	12	193	171.74	26	28	80	117	56	6.60	
	13	207	185.74	26	28	80	117	63	7.90	
	14	221	199.76	26	28	89	127	63	9.30	
	15	236	213.79	26	28	89	127	63	10.10	
	16	250	227.84	26	28	89	127	63	11.00	
	17	264	241.91	26	28	89	127	63	12.00	
	18	279	255.98	26	28	89	127	63	13.00	
	19	293	270.06	26	28	95	137	71	15.60	
	20	307	284.15	26	28	95	137	71	16.70	
	21	322	298.24	26	28	95	137	71	17.90	
	22	336	312.34	26	28	95	137	71	18.40	
	23	350	326.44	26	28	95	137	71	20.10	
	24	364	340.54	26	28	95	137	71	20.90	
	25	379	354.65	26	28	103	147	80	24.10	
	26	393	368.77	26	28	103	147	80	25.50	
	27	407	382.88	26	28	103	147	80	28.20	
	28	421	397.00	26	28	103	147	80	30.10	
	30	450	425.24	26	28	103	147	80	31.50	
32	478	453.49	26	28	103	147	80	36.00		
NK140C	35	521	495.88	26	28	110	157	90	42.90	Fe360 Welding
	36	535	510.01	26	28	110	157	90	47.40	
	38	563	538.27	26	28	110	157	90	51.00	
	40	591	566.54	26	28	110	157	90	53.10	
	42	620	594.81	26	28	110	157	90	60.00	
	45	662	637.22	26	28	118	167	100	68.00	
	48	705	679.63	26	28	118	167	100	75.00	
	50	733	707.91	26	28	118	167	100	85.30	
	54	790	764.47	26	28	118	167	100	97.40	
	60	875	849.32	26	28	118	167	112	119.30	

Stock Bore Sprockets (NK) Asian Standard Series

□ NK160B/160C

SPROCKETS

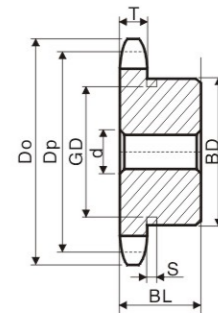
Tooth Width (T) 29.4mm

CHAIN

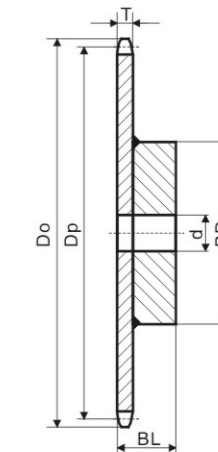
Pitch (P) 50.80mm
Internal width (W) 31.55mm
RollerΦ (Dr) 28.58mm

Stock Bore

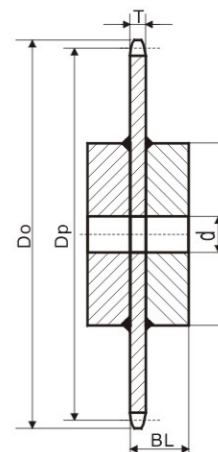
NK160B NK160C



B type Solid



B Type Weld



C Type Weld

Type	Teeth	Do	Dp	Bore d			BD	BL	wt kg	Material
				Stock	Min	Max				
NK160B	10	186	164.39	26	28	70	105	63	6.80	C45 Solid
	11	204	180.31	26	28	80	117	63	8.30	
	12	220	196.28	26	28	89	127	63	9.90	
	13	237	212.27	26	28	95	137	71	12.50	
	14	253	228.30	26	28	95	137	71	13.80	
	15	269	244.33	26	28	95	137	71	15.20	
	16	286	260.39	26	28	103	147	71	17.40	
	17	302	276.46	26	28	103	147	71	18.90	
	18	319	292.55	26	28	103	147	71	20.60	
	19	335	308.64	26	28	103	147	71	22.30	
	20	351	324.74	26	28	103	147	71	24.20	
	21	368	340.84	26	28	103	147	71	26.10	
	22	384	356.96	26	28	118	167	80	30.20	
	24	416	389.19	26	28	118	167	80	34.40	
	25	433	405.32	26	28	118	167	80	36.60	
	26	449	421.45	26	28	118	167	80	38.90	
	30	514	485.99	26	28	118	167	100	52.30	
	32	546	518.28	26	28	118	167	100	59.00	
	35	595	566.71	26	28	118	167	100	66.90	
	NK160C	40	676	647.47	26	28	118	187	112	88.00	Fe360 Welding
45		727	728.25	26	28	132	187	125	115.00	
48		806	776.72	26	28	132	187	125	128.00	
50		838	809.04	26	28	132	187	125	138.70	
54		903	873.68	26	28	132	187	125	158.40	
60		1000	970.65	26	28	132	187	125	190.80	

Stock Bore Sprockets (NK)
Asian Standard Series

Power Transmission Professional

NK180B
NK180C

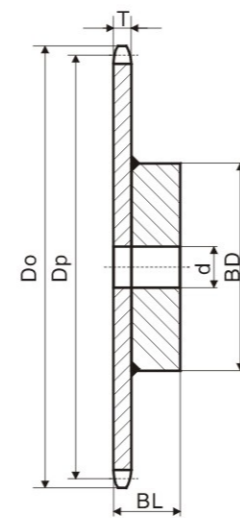
□ NK180B/180C
SPROCKETS

Tooth Width (T) 33.0mm

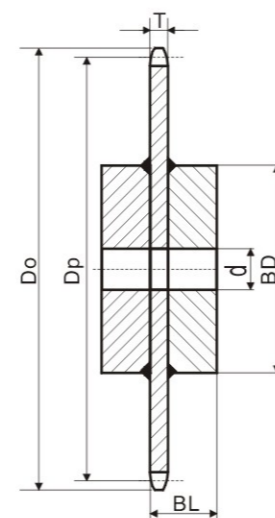
CHAIN

Pitch (P) 57.15mm
Internal width (W) 35.72mm
RollerΦ (Dr) 35.71mm

Type	Teeth	Do	Dp	Bore d			BD	BL	wt kg	Material
				Stock	Min	Max				
NK180B	11	229	202.85	43	45	75	110	55	9.3	Fe360 Welding
	12	248	220.81	43	45	85	130	65	12.6	
	13	266	238.81	43	45	95	150	75	16.6	
	14	285	256.83	43	45	105	170	80	20.9	
	15	303	274.87	43	45	110	180	80	23.8	
	16	322	292.94	43	45	110	180	80	25.9	
	17	340	311.01	43	45	115	180	80	28.1	
	18	358	329.11	43	45	115	180	80	29.9	
	19	377	347.21	43	45	115	180	80	32.4	
	20	395	365.33	43	45	115	180	80	35.0	
NK180C	21	413	383.45	63	65	120	190	85	38.8	
	22	432	401.57	63	65	120	190	85	41.7	
	24	468	437.84	63	65	125	200	90	50.2	
	25	487	455.99	63	65	125	200	90	53.5	
	26	505	474.13	63	65	125	200	90	56.8	
	30	578	546.74	63	65	135	220	110	81.1	
	35	669	637.56	63	65	135	220	110	102.9	
	40	760	728.41	63	65	150	240	125	137.5	
	45	852	819.28	63	65	150	240	125	166.1	
	48	903	873.81	63	65	150	240	125	184.9	
60	1,125	1,091.98	63	65	150	240	125	272.2		



B Type Weld



C Type Weld

Stock Bore Sprockets (NK)
Asian Standard Series

Power Transmission Professional

NK200B
NK200C

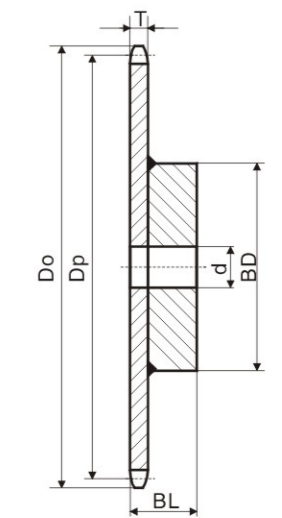
□ NK200B/200C
SPROCKETS

Tooth Width (T) 35.3mm

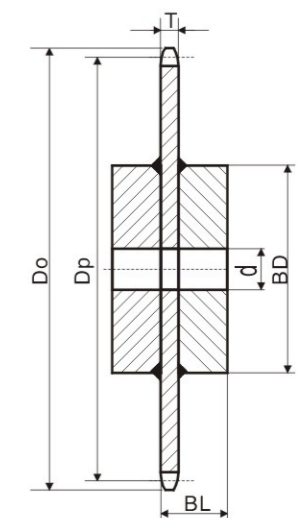
CHAIN

Pitch (P) 63.50mm
Internal width (W) 37.85mm
RollerΦ (Dr) 39.68mm

Type	Teeth	Do	Dp	Bore d			BD	BL	wt kg	Material
				Stock	Min	Max				
NK200B	11	254	225.39	43	45	80	130	65	13.4	Fe360 Welding
	12	275	245.34	43	45	90	150	75	17.8	
	13	296	265.34	43	45	100	170	80	22.4	
	14	316	285.37	43	45	110	180	80	25.7	
	15	337	305.42	43	45	115	180	80	28.3	
	16	357	325.49	43	45	115	180	80	30.3	
	17	378	345.58	43	45	120	190	85	35.3	
	18	398	365.68	43	45	120	190	85	38.4	
	19	419	385.79	63	65	125	200	90	42.9	
	20	439	405.92	63	65	125	200	90	46.4	
NK200C	21	459	426.05	63	65	135	220	110	59.1	
	22	480	446.20	63	65	135	220	110	62.2	
	24	520	486.49	63	65	140	230	110	73.1	
	25	541	506.65	63	65	140	230	110	77.5	
	26	561	526.81	63	65	140	230	110	82.0	
	30	642	607.49	63	65	150	240	125	109.1	
	35	744	708.39	63	65	150	240	125	138.0	
	40	845	809.34	63	65	170	270	140	186.1	
	45	946	910.31	63	65	170	270	140	223.9	
	48	1,007	970.90	68	70	170	270	140	248.2	
60	1,250	1,213.31	68	70	170	270	140	363.2		



B Type Weld



C Type Weld

Stock Bore Sprockets (NK) Asian Standard Series

□ NK35-2B

SPROCKETS

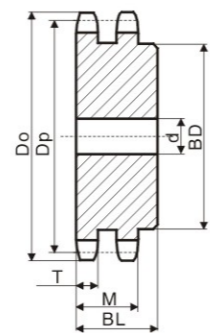
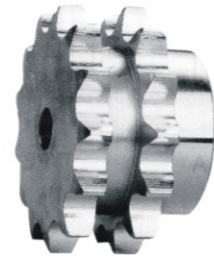
Tooth Width (T) 4.1mm

CHAIN

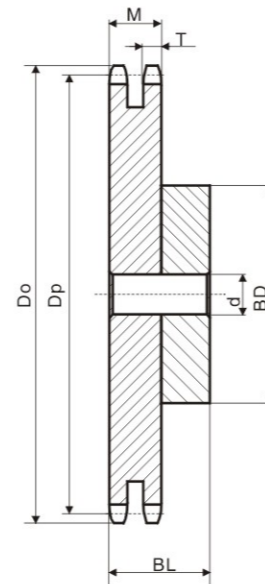
Pitch (P) 9.525mm
Internal width (W) 4.78mm
RollerΦ (Dr) 5.08mm

Stock Bore

NK35-2B



B type Solid



B type Weld

Type	Teeth	Do	Dp	Bore d			BD	BL	wt kg	Material
				Stock	Min	Max				
NK35-2B	10	34	30.82	9	11	10	20	30	0.10	C45 Solid Hardened Teeth
	11	38	33.81	10	12	12	23	30	0.11	
	12	41	36.80	10	12	14	26	30	0.14	
	13	44	39.80	10	12	14	27	30	0.17	
	14	47	42.81	10	12	18	32	30	0.21	
	15	51	45.81	10	12	20	35	30	0.25	
	16	54	48.82	10	12	20	38	30	0.29	
	17	57	51.84	11.5	13.5	22	41	30	0.34	
	18	60	54.85	11.5	13.5	25	44	35	0.45	
	19	63	57.87	11.5	13.5	28	47	35	0.51	
	20	66	60.89	12	14	30	50	40	0.64	
	21	69	63.91	12	14	30	50	40	0.64	
	22	72	66.93	12	14	32	55	40	0.67	
	24	78	72.97	15	17	38	60	40	0.82	
	25	81	76.00	15	17	38	60	40	0.92	
	28	90	85.07	15	17	42	65	45	1.26	
	30	96	91.12	15	17	42	65	45	1.34	
	32	102	97.18	15	17	42	65	45	1.43	
	40	127	121.40	15	17	42	65	45	2.30	
	45	142	136.55	19	21	55	83	45	2.84	
50	157	151.70	19	21	55	83	45	3.22		
60	187	182.00	19	21	63	93	50	4.70		
										Fe360 Welding

Stock Bore Sprockets (NK) Asian Standard Series

□ NK40-2B

SPROCKETS

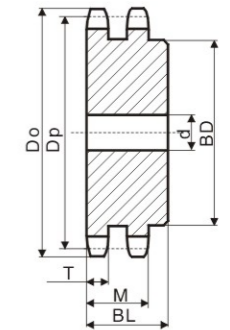
Tooth Width (T) 7.0mm

CHAIN

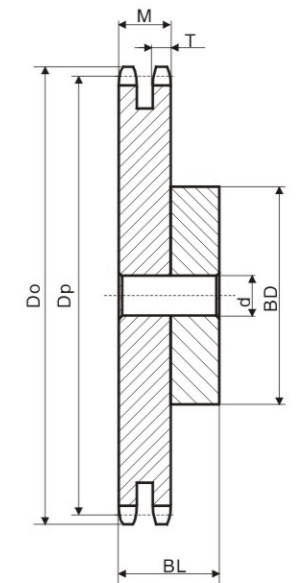
Pitch (P) 12.7mm
Internal width (W) 7.95mm
RollerΦ (Dr) 7.95mm

Power Transmission Professional

NK40-2B



B type Solid



B type Weld

Type	Teeth	Do	Dp	Bore d			BD	BL	wt kg	Material
				Stock	Min	Max				
NK40-2B	10	46	41.10	13	15	16	28	35	0.28	C45 Solid
	11	51	45.08	13	15	16	30	35	0.30	
	12	55	49.07	14	16	20	35	35	0.34	
	13	59	53.07	14	16	22	39	35	0.40	
	14	63	57.07	14	16	25	43	35	0.47	
	15	67	61.08	14	16	28	47	35	0.55	
	16	71	65.10	14	16	30	50	35	0.65	
	17	76	69.12	14	16	32	54	35	0.75	
	18	80	73.14	14	16	38	59	35	0.85	
	19	84	77.16	14	16	42	63	35	0.98	
	20	88	81.18	14	16	45	67	40	1.30	
	21	92	85.21	14	16	45	68	40	1.30	
	22	96	89.24	14	16	48	72	40	1.50	
	23	100	93.27	14	16	51	76	40	1.60	
	24	104	97.30	14	16	55	80	40	1.80	
	25	108	101.33	18	20	57	84	40	2.00	
	26	112	105.36	18	20	60	88	40	2.20	
	27	116	109.40	18	20	60	92	40	2.30	
	28	120	113.43	18	20	66	96	40	2.50	
	29	124	117.46	18	20	66	96	40	2.65	
	30	128	121.50	18	20	66	100	40	2.80	
	31	133	125.53	23	25	66	100	50	2.95	
	32	137	129.57	23	25	66	100	50	3.05	
	33	141	133.61	23	25	66	100	50	3.06	
	34	145	137.64	23	25	66	100	50	3.08	
	35	149	141.68	23	25	66	100	50	3.10	
	36	153	145.72	23	25	66	100	50	3.30	
	37	157	149.75	23	25	66	100	50	3.40	
	38	161	153.79	23	25	66	100	50	3.50	
	40	169	161.87	23	25	66	100	50	3.60	
	42	177	169.95	23	25	63	93	50	4.00	
	45	189	182.06	23	25	63	93	50	4.60	
48	201	194.18	23	25	63	93	50	5.00		
50	209	202.26	23	25	63	93	50	5.50		
54	226	218.42	23	25	63	93	50	5.80		
60	250	242.66	23	25	63	93	50	6.70		
65	270	262.87	23	25	63	93	50	10.20		
70	290	283.07	23	25	63	93	50	11.50		
										Fe360 Welding

Stock Bore Sprockets (NK) Asian Standard Series

□ NK50-2B

SPROCKETS

Tooth Width (T) 8.4mm

CHAIN

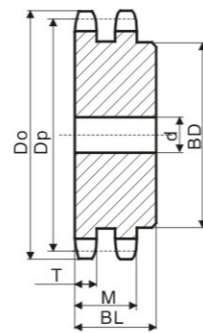
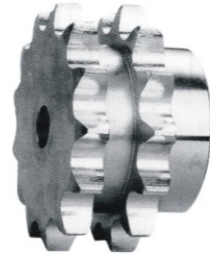
Pitch (P) 15.875mm

Internal width (W) 9.53mm

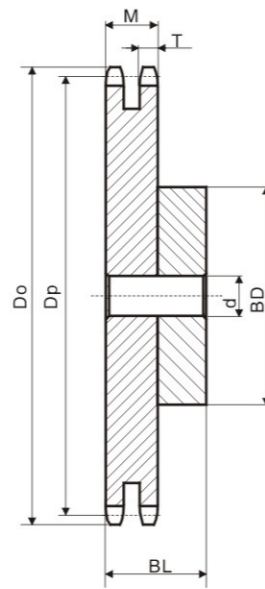
RollerΦ (Dr) 10.16mm

Stock Bore

NK50-2B



B type Solid



B type Weld

Type	Teeth	Do	Dp	Bore d			BD	BL	wt kg	Material
				Stock	Min	Max				
NK50-2B	10	58	51.37	14	16	20	35	40	0.50	C45 Solid Hardened Teeth
	11	64	56.35	14	16	22	40	40	0.50	
	12	69	61.34	14	16	25	42	40	0.62	
	13	74	66.34	14	16	30	49	40	0.75	
	14	79	71.34	14	16	32	54	40	0.90	
	15	84	76.35	14	16	38	59	40	1.10	
	16	89	81.37	14	16	42	64	45	1.40	
	17	94	86.39	14	16	45	68	45	1.60	
	18	100	91.42	14	16	48	74	45	1.80	
	19	105	96.45	14	16	55	79	45	2.10	
	20	110	101.48	18	20	57	84	45	2.30	
	21	115	106.51	18	20	60	89	45	2.60	
	22	120	111.55	18	20	63	94	50	3.00	
	23	125	116.58	18	20	66	99	50	3.50	
	24	130	121.62	18	20	70	105	50	3.80	
	25	135	126.66	18	20	70	105	50	4.20	
	26	140	131.70	18	20	70	105	50	4.50	
	27	145	136.74	18	20	70	105	50	4.80	
	28	150	141.79	18	20	75	110	50	5.10	
	29	155	146.83	18	20	75	110	50	5.50	
	30	161	151.87	18	20	80	120	50	5.80	
	31	166	156.92	23	25	80	120	50	5.90	
	32	171	161.96	23	25	80	120	50	6.00	
	33	176	167.01	23	25	80	120	50	6.50	
	34	181	172.05	23	25	80	120	50	6.80	
	35	186	177.10	23	25	80	117	50	7.00	
	36	191	182.14	23	25	80	117	50	7.00	
	38	201	192.24	23	25	80	117	50	8.00	
	40	211	202.33	23	25	80	117	56	9.00	
	42	221	212.43	23	25	66	98	56	8.88	
	45	237	227.58	23	25	66	98	56	9.96	
	48	252	242.73	23	25	66	98	56	8.00	
	50	262	252.83	23	25	66	98	56	9.00	
	54	282	273.02	23	25	66	98	56	9.90	
	60	312	303.33	23	25	66	98	56	11.70	
65	338	328.58	23	25	66	98	56	13.00		
70	363	353.84	23	25	66	98	56	15.00		

Stock Bore Sprockets (NK) Asian Standard Series

□ NK60-2B

SPROCKETS

Tooth Width (T) 11.3mm

CHAIN

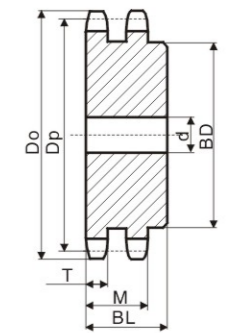
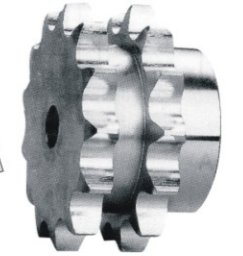
Pitch (P) 19.05mm

Internal width (W) 12.70mm

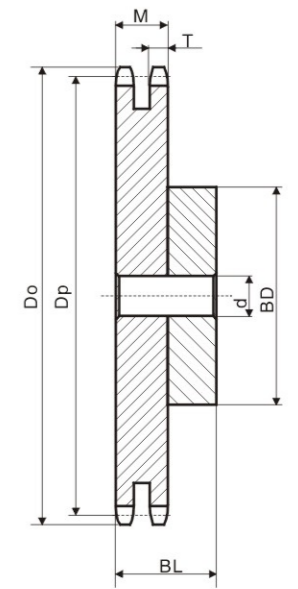
RollerΦ (Dr) 11.91mm

Stock Bore

NK60-2B



B type Solid



B type Weld

Type	Teeth	Do	Dp	Bore d			BD	BL	wt kg	Material
				Stock	Min	Max				
NK60-2B	10	68	61.65	16	18	20	35	50	0.91	C45 Solid Hardened Teeth
	11	76	67.62	16	18	25	44	50	1.00	
	12	83	73.60	16	18	30	50	50	1.20	
	13	89	79.60	18	20	35	57	50	1.40	
	14	95	85.61	18	20	42	64	56	1.80	
	15	101	91.62	18	20	46	70	56	2.10	
	16	107	97.65	18	20	51	76	56	2.50	
	17	113	103.67	18	20	55	82	56	2.60	
	18	119	109.71	18	20	60	88	56	3.20	
	19	126	115.74	18	20	63	94	56	3.70	
	20	132	121.78	23	25	66	100	56	4.20	
	21	138	127.82	23	25	66	100	56	4.40	
	22	144	133.86	23	25	66	100	56	4.90	
	23	150	139.90	23	25	66	100	56	4.70	
	24	156	145.95	23	25	80	120	56	6.00	
	25	162	151.99	23	25	80	120	56	6.40	
	26	168	158.04	23	25	80	120	56	6.80	
	27	174	164.09	23	25	80	120	56	7.30	
	28	180	170.14	23	25	80	120	56	7.80	
	29	187	176.20	28	30	80	120	56	8.20	
	30	193	182.25	28	30	89	130	56	9.00	
	31	199	188.30	28	30	89	127	56	9.30	
	32	205	194.35	28	30	89	127	56	9.50	
	33	211	200.41	28	30	89	127	56	9.70	
	34	217	206.46	28	30	89	127	56	10.50	
	35	223	212.52	28	30	89	127	56	11.00	
	36	229	218.57	28	30	66	98	56	8.50	
	38	241	230.69	28	30	66	98	56	9.00	
	40	253	242.80	28	30	66	98	56	9.70	
	42	266	254.92	28	30	75	107	56	11.00	
	45	284	273.09	28	30	75	107	71	12.80	
	48	302	291.27	28	30	75	107	71	14.00	
	50	314	303.39	28	30	75	107	71	16.00	
	54	338	327.63	28	30	75	107	71	18.00	
	60	375	363.99	28	30	75	107	71	21.50	
65	405	394.30	28	30	75	107	71	24.00		
70	436	424.61	28	30	75	107	71	30.00		

Stock Bore Sprockets (NK) Asian Standard Series

□ NK80-2B

SPROCKETS

Tooth Width (T) 14.1mm

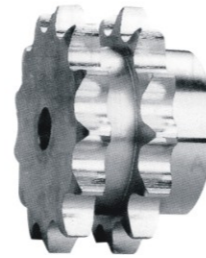
CHAIN

Pitch (P) 25.4mm

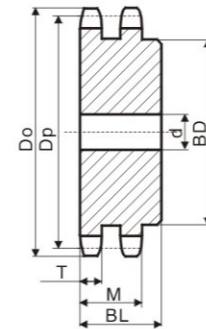
Internal width (W) 15.88mm

RollerΦ (Dr) 15.88mm

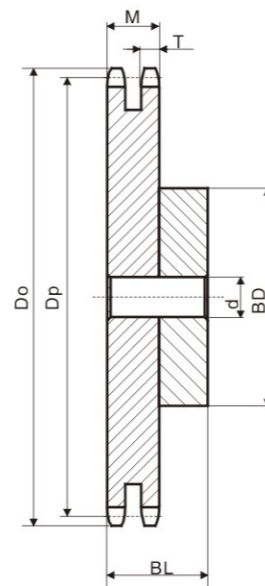
NK80-2B



Stock Bore



B type Solid



B type Weld

Type	Teeth	Do	Dp	Bore d			BD	BL	wt kg	Material
				Stock	Min	Max				
NK80-2B	10	93	82.19	21	23	35	58	63	2.00	C45 Solid Hardened Teeth
	11	102	90.16	21	23	38	60	63	2.50	
	12	110	98.14	23	25	46	69	63	2.70	
	13	118	106.14	23	25	55	80	63	3.40	
	14	127	114.15	23	25	60	88	63	3.90	
	15	135	122.17	23	25	63	95	63	4.40	
	16	143	130.20	23	25	66	100	71	5.40	
	17	151	138.23	23	25	66	100	71	6.00	
	18	159	146.27	23	25	80	120	71	7.50	
	19	167	154.32	23	25	80	120	71	8.00	
	20	176	162.37	23	25	89	130	71	9.00	
	21	184	170.42	23	25	89	130	71	10.30	
	22	192	178.48	33	35	80	117	71	11.00	
	23	200	186.54	33	35	80	117	71	11.80	
	24	208	194.60	33	35	80	117	80	12.60	
	25	216	202.66	33	35	80	117	80	13.40	
	26	224	210.72	33	35	80	117	80	14.30	
	28	241	226.86	33	35	80	117	80	16.00	
	30	257	243.00	33	35	80	117	80	18.30	
	32	273	259.14	33	35	80	117	80	20.40	
35	297	283.36	33	35	80	117	80	23.90		
36	306	291.43	33	35	80	117	80	25.10		
38	322	307.58	38	40	90	127	80	27.70		
40	338	323.74	38	40	90	127	90	30.40		
42	354	339.89	38	40	90	127	90	33.00		
45	378	364.12	38	40	90	127	90	37.50		
48	403	388.36	38	40	90	127	90	43.00		
50	419	404.52	38	40	90	127	90	46.00		
54	451	436.84	38	40	90	127	90	52.50		
60	500	485.33	38	40	90	127	90	64.00		
62	516	501.49	38	40	90	127	90	69.00		
65	540	525.73	38	40	90	127	90	73.50		
70	581	566.15	38	40	90	127	90	90.40		

Stock Bore Sprockets (NK) Asian Standard Series

□ NK100-2B/NK100-2C

SPROCKETS

Tooth Width (T) 17.0mm

CHAIN

Pitch (P) 31.75mm

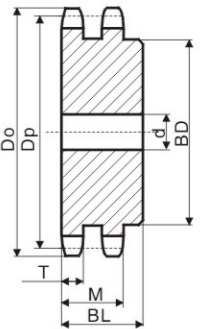
Internal width (W) 19.05mm

RollerΦ (Dr) 19.05mm

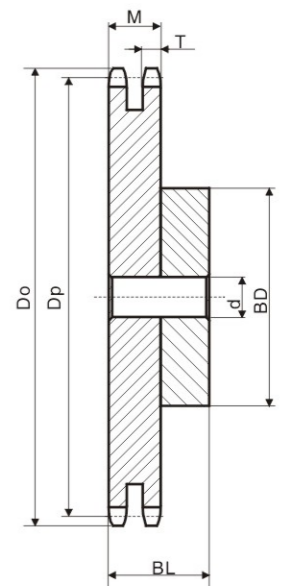
NK100-2B NK100-2C



Type	Teeth	Do	Dp	Bore d			BD	BL	wt kg	Material
				Stock	Min	Max				
NK100-2B	10	117	102.74	22	24	46	70	80	3.50	C45 Solid Hardened Teeth
	11	127	112.70	22	24	55	80	80	4.20	
	12	138	122.67	28	30	60	90	80	5.00	
	13	148	132.67	28	30	66	100	80	6.00	
	14	158	142.68	28	30	75	110	80	7.00	
	15	168	152.71	28	30	80	120	80	7.10	
	16	179	162.74	28	30	89	130	80	7.70	
	17	189	172.79	28	30	89	130	80	8.90	
	18	199	182.84	28	30	89	130	80	9.60	
	19	209	192.90	28	30	89	130	90	12.80	
	20	220	202.96	28	30	89	130	90	13.50	
	21	230	213.03	28	30	89	130	90	14.30	
	22	240	223.10	28	30	89	127	90	19.35	
	23	250	233.17	28	30	89	127	90	20.85	
	24	260	243.25	38	40	95	137	90	22.62	
	25	270	253.32	38	40	95	137	90	24.25	
	26	281	263.40	38	40	95	137	90	25.94	
	28	301	283.57	38	40	95	137	90	29.52	
	30	321	303.75	38	40	95	137	90	33.37	
	32	341	323.92	38	40	95	137	90	37.48	
35	372	354.20	38	40	95	137	90	44.15		
36	382	364.29	38	40	95	137	90	46.50		
38	402	384.48	38	40	95	137	90	51.41		
40	422	404.67	38	40	103	147	100	58.46		
42	443	424.86	38	40	103	147	100	63.90		
45	473	455.16	38	40	103	147	100	72.56		
48	503	485.45	38	40	103	147	100	81.81		
50	524	505.65	38	40	103	147	100	88.31		
54	564	546.05	38	40	103	147	100	102.11		
NK100-2C	60	625	606.66	38	40	103	147	125	127.87	



B type Solid



B type Weld

Stock Bore Sprockets (NK) Asian Standard Series

□ NK120-2B/NK120-2C

SPROCKETS

Tooth Width (T) 22.7mm

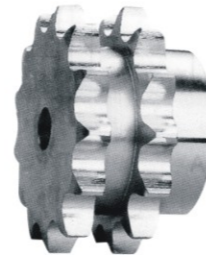
CHAIN

Pitch (P) 38.10mm

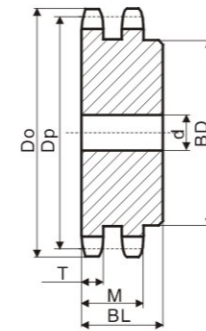
Internal width (W) 25.40mm

RollerΦ (Dr) 22.23mm

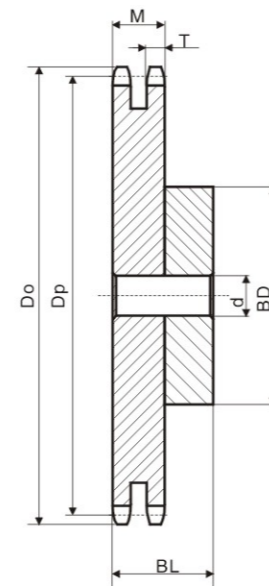
NK120-2B NK120-2C



Type	Teeth	Do	Dp	Bore d			BD	BL	wt kg	Material
				Stock	Min	Max				
NK120-2B	10	140	123.29	26	28	55	80	100	8.00	C45 Solid Hardened Teeth
	11	153	135.24	26	28	60	90	100	8.70	
	12	165	147.21	28	30	66	100	100	9.20	
	13	177	159.20	28	30	75	115	100	10.90	
	14	190	171.22	28	40	80	120	100	11.40	
	15	202	183.25	38	40	80	120	100	13.20	
	16	214	195.29	38	40	95	140	100	16.50	
	17	227	207.35	38	40	95	140	100	19.00	
	18	239	219.41	38	40	103	150	100	21.00	
	19	251	231.48	38	40	103	150	100	23.00	
	20	263	243.55	38	40	103	150	100	26.00	
	21	276	255.63	38	40	103	150	100	28.00	
	22	288	267.72	38	40	103	147	100	30.00	
	23	300	279.80	38	40	103	147	100	33.00	
	24	312	291.90	38	40	110	157	100	31.00	
	25	324	303.99	38	40	110	157	100	33.00	
	26	337	316.09	38	40	110	157	100	35.00	
	28	361	340.29	38	40	110	157	100	39.00	
	30	385	364.50	38	40	110	157	100	43.90	
	32	410	388.71	38	40	110	157	100	47.00	
35	446	425.04	38	40	110	157	100	56.80		
36	458	437.15	38	40	110	157	100	60.00		
38	483	461.38	38	40	110	157	100	67.00		
NK120-2C	40	507	485.60	43	45	125	177	140	84.30	Fe360 Welding
	42	531	509.84	43	45	125	177	140	87.00	
	45	568	546.19	43	45	125	177	140	98.50	
	48	604	582.54	43	45	125	177	140	104.00	
	50	628	606.78	43	45	125	177	140	115.00	
	54	677	655.26	43	45	125	177	140	121.00	
	60	750	727.99	43	45	125	177	160	131.60	



B type Solid



B type Weld

Stock Bore Sprockets (NK) Asian Standard Series

K25A

□ K25A

SPROCKETS

Tooth Width (T) 2.8mm

CHAIN

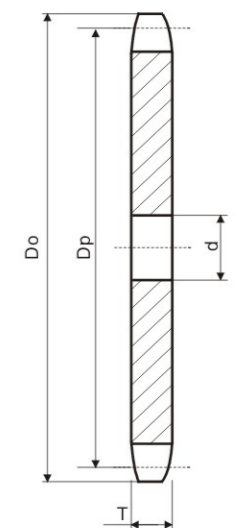
Pitch (P) 6.35mm

Internal width (W) 3.18mm

RollerΦ (Dr) 3.30mm

Type	Teeth	Do	Dp	Bore d		wt kg	Material
				Stock	Min		
K25A	10	23	20.55	9	11	0.02	C45 Solid
	12	28	24.53	9	11	0.03	
	13	30	26.53	9	11	0.04	
	14	32	28.54	9	11	0.04	
	15	34	30.54	9	11	0.05	
	16	36	32.55	9	11	0.05	
	17	38	34.56	9	11	0.07	
	18	40	36.57	9	11	0.07	
	20	44	40.59	9	11	0.09	
	24	52	48.65	9	11	0.14	
	25	54	50.66	9	11	0.16	
	27	58	54.70	9	11	0.17	
	28	60	56.71	9	11	0.18	
	29	62	58.73	9	11	0.20	
	30	64	60.75	10	12	0.23	
	32	68	64.78	10	12	0.27	
	33	70	66.80	10	12	0.28	
	35	74	70.84	10	12	0.30	
	36	76	72.86	10	12	0.32	
	37	78	74.88	10	12	0.37	
	38	80	76.90	10	12	0.41	
	40	84	80.93	11	13	0.43	
	42	89	84.97	11	13	0.47	
	45	95	91.03	11	13	0.50	
	50	105	101.13	11	13	0.59	
	55	115	111.23	11	13	0.70	
	60	125	121.33	11	13	0.87	
	70	145	141.54	11	13	1.81	
	75	155	151.64	12	14	1.37	
	80	165	161.74	12	14	1.62	

Stock Bore



A TYPE

Stock Bore Platewheels (K) Asian Standard Series

□ K35A

SPROCKETS

Tooth Width (T) 4.3mm

CHAIN

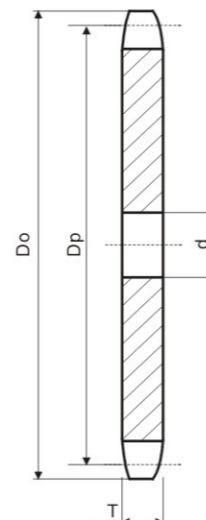
Pitch (P) 9.525mm

Internal width (W) 4.78mm

RollerΦ (Dr) 5.08mm

Type	Teeth	Do	Dp	Bore d		wt kg	Material
				Stock	Min		
K35A	10	34	30.82	9	11	0.02	C45 Solid
	11	38	33.81	9	11	0.03	
	12	41	36.80	9	11	0.03	
	13	44	39.80	9	11	0.04	
	14	47	42.81	9	11	0.04	
	15	51	45.81	9	11	0.05	
	16	54	48.82	9	11	0.05	
	17	57	51.84	11	13	0.07	
	18	60	54.85	11	13	0.07	
	19	63	57.87	11	13	0.09	
	20	66	60.89	11	13	0.09	
	21	69	63.91	11	13	0.11	
	22	72	66.93	11	13	0.11	
	23	75	69.95	11	13	0.11	
	24	78	72.97	11	13	0.14	
	25	81	76.00	11	13	0.16	
	26	84	79.02	11	13	0.16	
	27	87	82.05	11	13	0.17	
	28	90	85.07	11	13	0.18	
	30	96	91.12	11	13	0.23	
	32	102	97.18	11	13	0.27	
	33	105	100.20	11	13	0.28	
	34	109	103.23	11	13	0.29	
	35	112	106.26	11	13	0.30	
	36	115	109.29	12	14	0.32	
	38	121	115.34	12	14	0.37	
	40	127	121.40	12	14	0.40	
	42	133	127.46	16	18	0.43	
	45	142	136.55	16	18	0.49	
	46	145	139.58	16	18	0.51	
	48	151	145.64	16	18	0.55	
	50	157	151.70	16	18	0.60	
54	169	163.81	16	18	0.70		
55	172	166.85	16	18	0.71		
60	187	182.00	16	18	0.80		
65	203	197.15	16	18	1.02		
70	218	212.30	16	18	1.18		
80	248	242.60	16	18	1.50		

K35A



A TYPE

Stock Bore Platewheels (K) Asian Standard Series

K410A

□ K410A

SPROCKETS

Tooth Width (T) 2.8mm

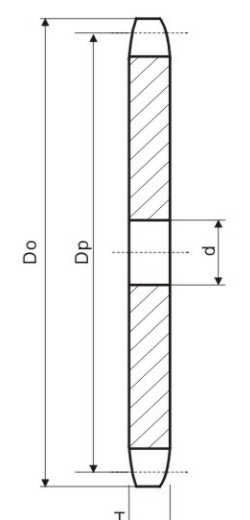
CHAIN

Pitch (P) 12.70mm

Internal width (W) 3.40mm

RollerΦ (Dr) 7.75mm

Type	Teeth	Do	Dp	Bore d		wt kg	Material
				Stock	Min		
K410A	8	38	33.19	10	12	0.01	C45 Solid
	9	42	37.13	10	12	0.02	
	10	46	41.10	11	13	0.05	
	11	51	45.08	12	14	0.09	
	12	55	49.07	12	14	0.10	
	13	59	53.07	15	17	0.12	
	14	63	57.07	15	17	0.14	
	15	67	61.08	15	17	0.16	
	16	71	65.10	15	17	0.18	
	17	76	69.12	15	17	0.20	
	18	80	73.14	15	17	0.23	
	19	84	77.16	15	17	0.26	
	20	88	81.18	16	18	0.29	
	21	92	85.21	16	18	0.30	
	22	96	89.24	16	18	0.35	
	23	100	93.27	16	18	0.38	
	24	104	97.30	16	18	0.40	
	25	108	101.33	16	18	0.45	
	26	112	105.36	16	18	0.49	
	27	116	109.40	16	18	0.50	
	28	120	113.43	16	18	0.56	
	29	124	117.46	16	18	0.60	
	30	128	121.50	16	18	0.63	
	31	133	125.53	16	18	0.65	
	32	137	129.57	16	18	0.70	
	33	141	133.61	16	18	0.75	
	34	145	137.64	16	18	0.80	
	35	149	141.68	16	18	0.85	
	36	153	145.72	18	20	0.90	
	37	157	149.75	18	20	0.99	
	38	161	153.79	18	20	1.00	
	39	165	157.83	18	20	1.18	
	40	169	161.87	18	20	1.20	
	41	173	165.91	18	20	1.20	
	42	177	169.94	18	20	1.25	
	44	185	178.02	18	20	1.35	
	45	189	182.06	18	20	1.40	
	46	193	186.10	18	20	1.49	
	47	197	190.14	18	20	1.58	
	48	201	194.18	18	20	1.63	
	49	205	198.22	18	20	1.73	
	50	209	202.26	18	20	1.80	
	52	218	210.34	18	20	1.93	
	54	226	218.42	18	20	2.00	
	60	250	242.66	18	20	2.60	



A TYPE

Stock Bore Platewheels (K) Asian Standard Series

K40A

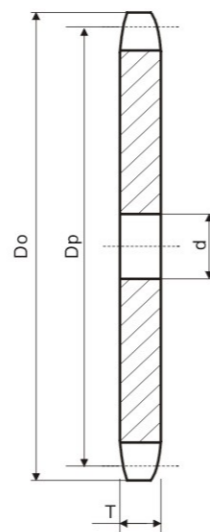
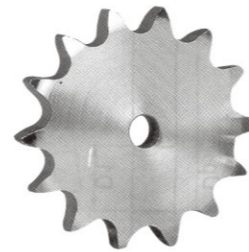
□ K40A

SPROCKETS

Tooth Width (T) 7.2mm

CHAIN

Pitch (P) 12.7mm
Internal width (W) 7.95mm
RollerΦ (Dr) 7.75mm



A TYPE

C45 Solid

Stock Bore Platewheels (K) Asian Standard

K50A

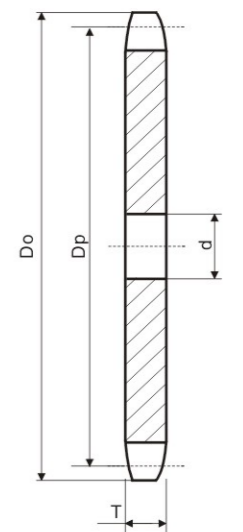
□ K50A

SPROCKETS

Tooth Width (T) 8.7mm

CHAIN

Pitch (P) 15.875mm
Internal width (W) 9.53mm
RollerΦ (Dr) 10.16mm



A TYPE

C45 Solid

Type	Teeth	Do	Dp	Bore d		wt kg	Material
				Stock	Min		
K40A	10	46	41.10	9.5	11.5	0.05	C45 Solid
	11	51	45.08	10.5	12.5	0.09	
	12	55	49.07	11.5	13.5	0.10	
	13	59	53.07	13.5	15.5	0.12	
	14	63	57.07	13.5	15.5	0.14	
	15	67	61.08	13.5	15.5	0.16	
	16	71	65.10	13.5	15.5	0.18	
	17	76	69.12	13.5	15.5	0.20	
	18	80	73.14	13.5	15.5	0.23	
	19	84	77.16	13.5	15.5	0.26	
	20	88	81.18	14	16	0.29	
	21	92	85.21	14	16	0.30	
	22	96	89.24	14	16	0.35	
	23	100	93.27	14	16	0.38	
	24	104	97.30	14	16	0.40	
	25	108	101.33	14	16	0.45	
	26	112	105.36	14	16	0.49	
	27	116	109.40	14	16	0.50	
	28	120	113.43	14	16	0.56	
	29	124	117.46	14	16	0.60	
	30	128	121.50	14	16	0.63	
	31	133	125.53	14	16	0.65	
	32	137	129.57	14	16	0.70	
	33	141	133.61	14	16	0.75	
	34	145	137.64	14	16	0.80	
	35	149	141.68	14	16	0.85	
	36	153	145.72	16	18	0.90	
	37	157	149.75	16	18	0.99	
	38	161	153.79	16	18	1.00	
	39	165	157.83	16	18	1.15	
	40	169	161.87	16	18	1.20	
	41	173	165.91	16	18	1.20	
	42	177	169.95	16	18	1.25	
	43	181	173.98	16	18	1.30	
	44	185	178.02	16	18	1.35	
	45	189	182.06	16	18	1.40	
	46	193	186.10	16	18	1.49	
47	197	190.14	16	18	1.58		
48	201	194.18	16	18	1.63		
49	205	198.22	16	18	1.73		
50	209	202.26	16	18	1.80		
51	214	206.30	16	18	1.88		
52	218	210.34	16	18	1.93		
53	222	214.38	16	18	1.98		
54	226	218.42	16	18	2.00		
55	230	222.46	16	18	2.18		
56	234	226.50	16	18	2.26		
58	242	234.58	16	18	2.43		
59	246	238.62	16	18	2.51		
60	250	242.66	16	18	2.60		
62	258	250.74	16	18	2.77		
64	266	258.83	16	18	2.90		
65	270	262.87	16	18	3.00		
68	282	274.99	16	18	3.35		
70	290	283.07	16	18	3.50		
72	299	291.16	20	22	3.70		
75	311	303.28	20	22	4.00		
80	331	323.49	20	22	4.60		
85	351	343.69	20	22	5.20		
90	371	363.90	20	22	5.80		

Type	Teeth	Do	Dp	Bore d		wt kg	Material
				Stock	Min		
K50A	10	58	51.37	14	16	0.14	C45 Solid
	11	64	56.35	14	16	0.17	
	12	69	61.34	14	16	0.20	
	13	74	66.34	14	16	0.23	
	14	79	71.34	14	16	0.27	
	15	84	76.35	14	16	0.30	
	16	89	81.37	14	16	0.35	
	17	94	86.39	14	16	0.40	
	18	100	91.42	14	16	0.45	
	19	105	96.45	14	16	0.48	
	20	110	104.48	14	16	0.50	
	21	115	106.51	14	16	0.60	
	22	120	111.55	16	18	0.66	
	23	125	116.58	16	18	0.72	
	24	130	121.62	16	18	0.78	
	25	135	126.66	16	18	0.85	
	26	140	131.70	16	18	0.90	
	27	145	136.74	16	18	1.00	
	28	150	141.79	16	18	1.05	
	29	155	146.83	16	18	1.12	
	30	161	151.87	16	18	1.20	
	31	166	156.92	16	18	1.30	
	32	171	161.96	16	18	1.35	
	33	176	167.01	16	18	1.45	
	34	181	172.05	16	18	1.55	
	35	186	177.10	16	18	1.65	
	36	191	182.14	16	18	1.75	
	37	196	187.19	16	18	1.85	
	38	201	192.24	16	18	1.95	
	39	206	197.29	16	18	2.05	
	40	211	202.33	16	18	2.15	
	41	216	207.38	16	18	2.25	
	42	221	212.43	16	18	2.40	
	43	226	217.48	16	18	2.50	
	44	231	222.53	16	18	2.60	
	45	237	227.58	16	18	2.70	
	46	242	232.63	16	18	2.88	
47	247	237.68	16	18	3.01		
48	252	242.73	16	18	3.10		
49	257	247.78	16	18	3.27		
50	262	252.83	16	18	3.40		
51	267	257.88	16	18	3.55		
52	272	262.92	16	18	3.69		
53	277	267.97	16	18	3.83		
54	282	273.02	16	18	3.95		
55	287	278.08	16	18	4.13		
56	292	283.13	16	18	4.28		
57	297	288.18	16	18	4.44		
58	302	293.23	16	18	4.59		
59	307	298.28	16	18	4.75		
60	312	303.33	16	18	4.90		
64	333	323.53	20	22	5.60		
65	338	328.58	20	22	5.75		
68	353	343.74	20	22	6.32		
70	363	353.84	20	22	6.70		
72	373	363.94	20	22	7.05		
75	388	379.10	20	22	7.70		
80	414	404.36	20	22	8.70		
90	464	454.88	20	22	11.00		

Stock Bore Platewheels (K) Asian Standard Series

K60A

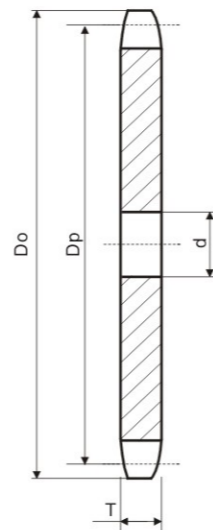
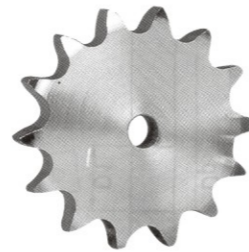
□ K60A

SPROCKETS

Tooth Width (T) 11.7mm

CHAIN

Pitch (P) 19.05mm
Internal width (W) 12.70mm
RollerΦ (Dr) 11.91mm



A TYPE

C45
Solid

Stock Bore Platewheels (K) Asian Standard Series

K80A

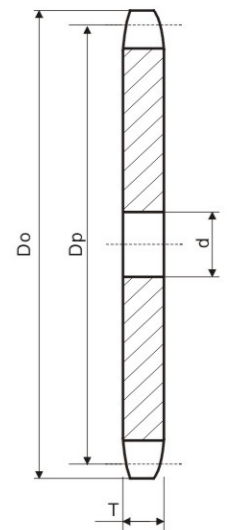
□ K80A

SPROCKETS

Tooth Width (T) 14.6mm

CHAIN

Pitch (P) 25.4mm
Internal width (W) 15.88mm
RollerΦ (Dr) 15.88mm



A TYPE

C45
Solid

Type	Teeth	Do	Dp	Bore d		wt kg	Material
				Stock	Min		
K60A	10	68	61.65	14	16	0.27	C45 Solid
	11	76	67.62	14	16	0.30	
	12	83	73.60	14	16	0.38	
	13	89	79.60	14	16	0.45	
	14	95	85.61	16	18	0.50	
	15	101	91.62	16	18	0.60	
	16	107	97.65	16	18	0.65	
	17	113	103.67	16	18	0.75	
	18	119	109.71	16	18	0.84	
	19	126	115.74	16	18	0.93	
	20	132	121.78	16	18	1.05	
	21	138	127.82	16	18	1.15	
	22	144	133.86	16	18	1.25	
	23	150	139.90	16	18	1.40	
	24	156	145.95	16	18	1.50	
	25	162	151.99	16	18	1.62	
	26	168	158.04	16	18	1.78	
	27	174	164.09	20	22	1.90	
	28	180	170.14	20	22	2.05	
	29	187	176.20	20	22	2.20	
	30	193	182.25	20	22	2.35	
	31	199	188.30	20	22	2.50	
	32	205	194.35	20	22	2.68	
	33	211	200.41	20	22	2.85	
	34	217	206.46	20	22	3.02	
	35	223	212.52	20	22	3.25	
	36	229	218.57	20	22	3.40	
	37	235	224.63	20	22	3.60	
	38	241	230.69	20	22	3.80	
	39	247	236.74	20	22	4.00	
	40	253	242.80	20	22	4.20	
	41	260	248.86	20	22	4.45	
	42	266	254.92	20	22	4.63	
	43	272	260.98	20	22	4.85	
	44	278	267.03	20	22	5.10	
	45	284	273.09	20	22	5.30	
46	290	279.15	20	22	5.59		
47	296	285.21	20	22	5.83		
48	302	291.27	20	22	6.10		
49	308	297.33	20	22	6.34		
50	314	303.39	20	22	6.60		
51	320	309.45	20	22	6.87		
52	326	315.51	20	22	7.15		
54	338	327.63	20	22	7.70		
55	345	333.69	20	22	8.00		
57	357	345.81	20	22	8.59		
58	363	351.87	20	22	8.90		
60	375	363.99	20	22	9.50		
65	405	394.30	26	28	11.20		
70	436	424.61	26	28	13.00		
72	448	436.73	26	28	13.70		
75	466	454.92	26	28	14.90		
80	496	485.23	26	28	16.90		
90	557	545.85	26	28	21.40		

Type	Teeth	Do	Dp	Bore d		wt kg	Material
				Stock	Min		
K80A	10	93	82.19	16	18	0.60	C45 Solid
	11	102	90.16	16	18	0.73	
	12	110	98.14	16	18	0.83	
	13	118	106.14	16	18	1.00	
	14	127	114.15	16	18	1.16	
	15	135	122.17	20	22	1.30	
	16	143	130.20	20	22	1.50	
	17	151	138.23	20	22	1.70	
	18	159	146.27	20	22	1.90	
	19	167	154.32	20	22	2.10	
	20	176	162.37	20	22	2.35	
	21	184	170.42	20	22	2.57	
	22	192	178.48	26	28	2.82	
	23	200	186.54	26	28	3.10	
	24	208	194.60	26	28	3.35	
	25	216	202.66	26	28	3.65	
	26	224	210.72	26	28	3.95	
	27	233	218.79	26	28	4.25	
	28	241	226.86	26	28	4.60	
	29	249	234.93	26	28	4.93	
	30	257	243.00	26	28	5.30	
	31	265	251.07	26	28	5.63	
	32	273	259.14	26	28	6.00	
	33	281	267.21	26	28	6.40	
	34	289	275.29	26	28	6.80	
	35	297	283.36	26	28	7.20	
	36	306	291.43	26	28	7.60	
	37	314	299.51	26	28	8.00	
	38	322	307.58	26	28	8.50	
	39	330	315.66	26	28	8.90	
	40	338	323.74	26	28	9.40	
	41	346	331.81	26	28	9.90	
	42	354	339.89	26	28	10.30	
	43	362	347.97	26	28	10.80	
	44	370	356.04	26	28	11.40	
	45	378	364.12	26	28	11.90	
46	387	372.20	26	28	12.40		
47	395	380.28	26	28	12.95		
48	403	388.36	26	28	13.50		
49	411	396.44	26	28	14.08		
50	419	404.52	26	28	14.70		
52	435	420.68	26	28	15.86		
53	443	428.76	26	28	16.48		
54	451	436.84	26	28	17.10		
55	459	444.92	26	28	17.75		
56	468	453.00	26	28	18.40		
57	476	461.08	26	28	19.07		
58	484	469.16	26	28	19.75		
60	500	485.33	26	28	21.10		
64	532	517.65	26	28	24.05		
65	540	525.73	26	28	24.80		
66	548	533.82	26	28	25.58		
70	581	566.15	26	28	28.80		
75	621	606.56	26	28	33.10		
80	662	646.97	26	28	37.60		
90	743	727.80	26	28	47.60		

Stock Bore Platewheels (K) Asian Standard Series

K100A

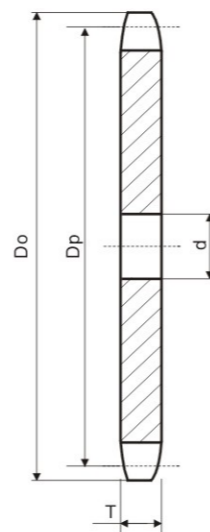
□ K100A

SPROCKETS

Tooth Width (T) 17.6mm

CHAIN

Pitch (P) 31.75mm
Internal width (W) 19.05mm
RollerΦ (Dr) 19.05mm



A TYPE

Type	Teeth	Do	Dp	Bore d		wt kg	Material
				Stock	Min		
K100A	10	117	102.74	20	22	1.10	C45 Solid
	11	127	112.70	20	22	1.30	
	12	138	122.67	20	22	1.60	
	13	148	132.67	20	22	1.90	
	14	158	142.68	20	22	2.15	
	15	168	152.71	20	22	2.50	
	16	179	162.74	20	22	2.83	
	17	189	172.79	20	22	3.20	
	18	199	182.84	20	22	3.60	
	19	209	192.90	20	22	4.00	
	20	220	202.96	20	22	4.40	
	21	230	213.03	20	22	4.90	
	22	240	223.10	20	22	5.35	
	23	250	233.17	20	22	5.80	
	24	260	243.25	20	22	6.40	
	25	270	253.32	20	22	6.90	
	26	281	263.40	20	22	7.50	
	27	291	273.49	20	22	8.10	
	28	301	283.57	20	22	8.70	
	29	311	293.66	20	22	9.30	
	30	321	303.75	26	28	10.00	
	31	331	313.83	26	28	10.63	
	32	341	323.92	26	28	11.35	
	33	352	334.01	26	28	12.00	
	34	362	344.11	26	28	12.80	
	35	372	354.20	26	28	13.50	
	36	382	364.29	26	28	14.40	
	37	392	374.38	26	28	15.10	
	38	402	384.48	26	28	16.00	
	39	412	394.57	26	28	16.80	
40	422	404.67	26	28	17.70		
41	433	414.77	26	28	18.60		
42	443	424.86	26	28	19.50		
43	453	434.96	26	28	20.50		
44	463	445.06	26	28	21.45		
45	473	455.16	26	28	22.40		
46	483	465.25	26	28	23.40		
48	503	485.45	26	28	25.50		
50	524	505.65	26	28	27.70		
52	544	525.85	26	28	29.90		
54	564	546.05	26	28	32.30		
60	625	606.66	26	28	39.90		
65	675	657.17	26	28	46.80		
70	726	707.68	26	28	54.30		
75	777	758.20	26	28	62.30		
80	827	808.71	26	28	70.90		
90	928	909.75	26	28	89.58		

Stock Bore Platewheels (K) Asian Standard Series

K120A

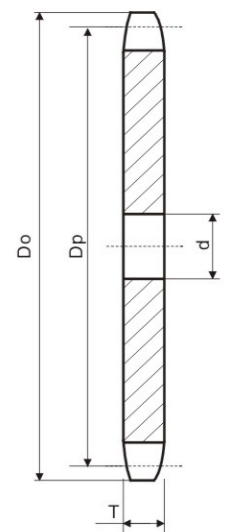
□ K120A

SPROCKETS

Tooth Width (T) 23.5mm

CHAIN

Pitch (P) 38.10mm
Internal width (W) 25.40mm
RollerΦ (Dr) 22.23mm



A TYPE

Type	Teeth	Do	Dp	Bore d		wt kg	Material
				Stock	Min		
K120A	10	140	123.29	20	22	2.16	C45 Solid
	11	153	135.24	20	22	2.60	
	12	165	147.21	20	22	3.10	
	13	177	159.20	20	22	3.60	
	14	190	171.22	20	22	4.20	
	15	202	183.25	20	22	4.80	
	16	214	195.29	20	22	5.50	
	17	227	207.35	20	22	6.20	
	18	239	219.41	20	22	6.95	
	19	251	231.48	20	22	7.70	
	20	263	243.55	20	22	8.55	
	21	276	255.63	20	22	9.40	
	22	288	267.72	26	28	10.30	
	23	300	279.80	26	28	11.30	
	24	312	291.90	26	28	12.30	
	25	324	303.99	26	28	13.30	
	26	337	316.09	26	28	14.40	
	27	349	328.19	26	28	15.50	
	28	361	340.29	26	28	16.70	
	29	373	352.39	26	28	17.80	
	30	385	364.50	26	28	19.20	
	31	398	376.60	26	28	20.40	
	32	410	388.71	26	28	21.80	
	33	422	400.82	26	28	23.20	
	34	434	412.93	26	28	24.60	
	35	446	425.04	26	28	26.10	
	36	458	437.15	26	28	27.60	
	38	483	461.38	26	28	30.80	
	40	507	485.60	26	28	34.10	
	42	531	509.84	26	28	37.60	
44	556	534.07	26	28	41.20		
45	568	546.19	26	28	43.10		
46	580	558.30	26	28	45.10		
48	604	582.54	26	28	49.00		
50	628	606.78	26	28	53.30		
54	677	655.26	26	28	62.10		
60	750	727.99	26	28	76.70		
70	871	849.22	26	28	104.30		
75	932	909.84	26	28	119.80		
80	993	970.46	26	28	136.30		

Stock Bore Sprockets (K) Asian Standard Series

K140A K160A

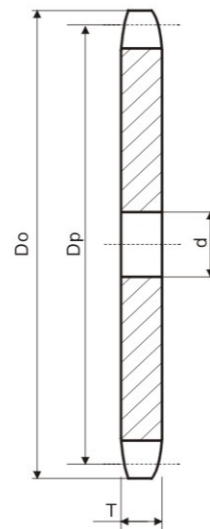
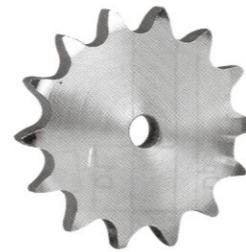
Stock Bore Sprockets (K) Asian Standard Series

K180A K200A

Type	Teeth	Do	Dp	Bore d		wt kg	Material
				Stock	Min		
K140A	10	163	143.84	26	28	2.90	C45 Solid
	11	178	157.78	26	28	3.60	
	12	193	171.74	26	28	4.20	
	13	207	185.74	26	28	4.90	
	14	221	199.76	26	28	5.70	
	15	236	213.79	26	28	6.60	
	16	250	227.84	26	28	7.50	
	17	264	241.91	26	28	8.40	
	18	279	255.98	26	28	9.40	
	19	293	270.06	26	28	10.50	
	20	307	284.15	26	28	11.60	
	21	322	298.24	26	28	12.80	
	22	336	312.34	26	28	14.10	
	23	350	326.44	26	28	15.30	
	24	364	340.54	26	28	16.70	
	25	379	354.65	26	28	18.10	
	26	393	368.77	26	28	19.60	
	28	421	397.00	26	28	23.00	
	30	450	425.24	26	28	26.00	
	32	478	453.49	26	28	29.70	
	35	521	495.88	26	28	35.60	
	38	563	538.27	26	28	41.90	
	40	591	566.54	26	28	46.40	
	42	620	594.81	26	28	51.10	
45	662	637.22	26	28	58.80		
48	705	679.63	26	28	66.90		
50	733	707.91	26	28	72.50		
54	790	764.47	26	28	84.60		
60	875	849.32	26	28	104.00		

K140A
SPROCKETS
Tooth Width (T) 23.5mm

CHAIN
Pitch (P) 44.45mm
Internal width (W) 25.40mm
RollerΦ (Dr) 25.40mm



A TYPE

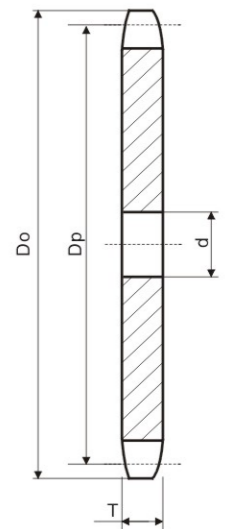
K160A
SPROCKETS
Tooth Width (T) 29.4mm

CHAIN
Pitch (P) 50.80mm
Internal width (W) 31.75mm
RollerΦ (Dr) 28.58mm

Type	Teeth	Do	Dp	Bore d		wt kg	Material
				Stock	Min		
K180A	11	229	202.85	43	45	7.8	C45 Solid
	12	248	220.81	43	45	9.3	
	13	266	238.81	43	45	10.9	
	14	285	256.83	43	45	12.6	
	15	303	274.87	43	45	14.5	
	16	322	292.94	43	45	16.5	
	17	340	311.04	43	45	18.7	
	18	358	329.11	43	45	21.5	
	19	377	347.21	43	45	23.9	
	20	395	365.33	43	45	26.6	
	21	413	383.45	63	65	28.9	
	22	432	401.57	63	65	31.7	
	24	468	437.84	63	65	37.9	
	25	487	455.99	63	65	41.2	
	26	505	474.13	63	65	44.6	
	30	578	546.74	63	65	59.6	
	35	669	637.56	63	65	81.3	
	40	760	728.41	63	65	106.4	
	45	852	819.28	63	65	134.8	
	48	903	873.81	63	65	153.5	
60	1,125	1,091.98	63	65	240.2		

K180A
SPROCKETS
Tooth Width (T) 33.0mm

CHAIN
Pitch (P) 57.15mm
Internal width (W) 35.72mm
RollerΦ (Dr) 35.71mm



A TYPE

Type	Teeth	Do	Dp	Bore d		wt kg	Material
				Stock	Min		
K200A	11	254	225.39	43	45	10.4	C45 Solid
	12	275	245.34	43	45	12.3	
	13	296	265.34	43	45	14.5	
	14	316	285.37	43	45	16.8	
	15	337	305.42	43	45	19.3	
	16	357	325.49	43	45	22.5	
	17	378	345.58	43	45	25.4	
	18	398	365.68	43	45	28.5	
	19	419	385.79	63	65	31.3	
	20	439	405.92	63	65	34.7	
	21	459	426.05	63	65	38.3	
	22	480	446.20	63	65	42.1	
	24	520	486.49	63	65	50.3	
	25	541	506.65	63	65	54.6	
	26	561	526.81	63	65	59.1	
	30	642	607.49	63	65	78.9	
	35	744	708.39	63	65	107.6	
	40	845	809.34	63	65	140.7	
	45	946	910.31	63	65	178.3	
	48	1,007	970.90	68	70	202.8	
60	1,250	1,213.31	68	70	317.3		

K200A
SPROCKETS
Tooth Width (T) 35.3mm

CHAIN
Pitch (P) 63.50mm
Internal width (W) 37.85mm
RollerΦ (Dr) 69.68mm

Double Pitch Sprockets Asian Standard Series

NK2040SB
SPROCKETS
Tooth Width (T) 7.2mm

CHAIN
Pitch (P) 25.4mm
Internal width (W) 7.95mm
RollerΦ (Dr) 7.95mm

Type	Teeth	Do	Dp	Bore d			BD	BL	Wt. kg	Material
				Stock	Min	Max				
NK2040SB	6 1/2	59	54.66	13	15	20	35	22	0.20	C45 Solid Hardened Teeth
	7 1/2	67	62.45	13	15	25	43	22	0.30	
	8 1/2	76	70.31	13	15	32	52	22	0.42	
	9 1/2	84	78.23	13	15	38	60	25	0.61	
	10 1/2	92	86.17	14	16	46	69	25	0.82	
	11 1/2	100	94.15	14	16	51	77	25	0.98	
12 1/2	108	102.14	14	16	42	63	25	0.83		

NK2050SB
SPROCKETS
Tooth Width (T) 8.7mm

CHAIN
Pitch (P) 31.75mm
Internal width (W) 9.53mm
RollerΦ (Dr) 10.16mm

Type	Teeth	Do	Dp	Bore d			BD	BL	Wt. kg	Material
				Stock	Min	Max				
NK2050SB	6 1/2	74	68.32	14	16	25	44	25	0.38	C45 Solid Hardened Teeth
	7 1/2	84	78.06	14	16	32	54	25	0.55	
	8 1/2	94	87.89	14	16	45	65	25	0.76	
	9 1/2	105	97.78	14	16	48	73	28	1.06	
	10 1/2	115	107.72	14	16	48	73	28	1.16	
	11 1/2	125	117.68	16	18	48	73	28	1.27	
12 1/2	135	127.67	16	18	48	73	28	1.40		

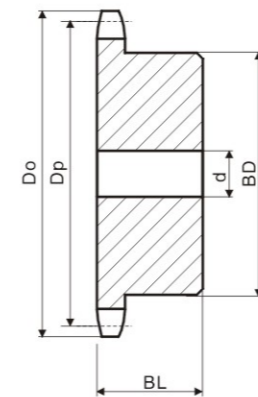
NK2060SB
SPROCKETS
Tooth Width (T) 11.7mm

CHAIN
Pitch (P) 38.10mm
Internal width (W) 12.70mm
RollerΦ (Dr) 11.91mm

Type	Teeth	Do	Dp	Bore d			BD	BL	wt kg	Material
				Stock	Min	Max				
NK2060SB	6 1/2	88	81.98	14	16	32	53	32	0.73	C45 Solid Hardened Teeth
	7 1/2	101	93.67	16	18	45	66	32	1.05	
	8 1/2	113	105.47	16	18	48	73	32	1.33	
	9 1/2	126	117.34	16	18	55	83	40	2.03	
	10 1/2	138	129.26	16	18	55	83	40	2.23	
	11 1/2	150	141.22	16	18	55	80	45	2.56	
12 1/2	162	153.20	16	18	55	80	45	2.81		

NK2040SB NK2050SB NK2060SB

Stock Bore



B TYPE

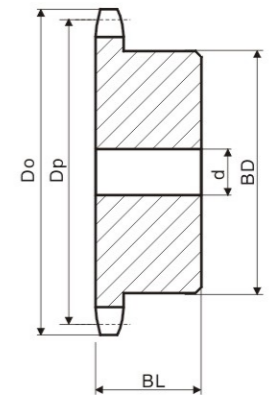
Double Pitch Sprockets Asian Standard Series

NK2080SB
SPROCKETS
Tooth Width (T) 14.6mm

CHAIN
Pitch (P) 50.80mm
Internal width (W) 15.88mm
RollerΦ (Dr) 15.88mm

Type	Teeth	Do	Dp	Bore d			BD	BL	Wt. kg	Material
				Stock	Min	Max				
NK2080SB	6 1/2	118	109.31	16	18	46	70	40	1.62	C45 Solid Hardened Teeth
	7 1/2	135	124.90	20	22	60	88	40	2.34	
	8 1/2	151	140.63	20	22	63	93	40	2.48	
	9 1/2	167	156.45	20	22	63	93	40	3.24	
	10 1/2	184	172.35	20	22	63	93	40	3.68	
	11 1/2	200	188.29	26	28	75	107	45	4.88	A3 Weld
12 1/2	216	204.27	26	28	75	107	45	5.43		

Stock Bore



B TYPE

NK2100SB
SPROCKETS
Tooth Width (T) 17.6mm

CHAIN
Pitch (P) 63.50mm
Internal width (W) 19.05mm
RollerΦ (Dr) 19.05mm

Type	Teeth	Do	Dp	Bore d			BD	BL	Wt. kg	Material
				Stock	Min	Max				
NK2100SB	6 1/2	148	136.64	20	22	60	88	50	3.38	C45 Solid Hardened Teeth
	7 1/2	168	156.12	20	22	66	98	50	4.12	
	8 1/2	189	175.78	20	22	75	107	50	5.15	
	9 1/2	209	195.57	20	22	75	107	50	5.91	
	10 1/2	230	215.43	20	22	75	107	50	6.76	
	11 1/2	250	235.36	20	22	80	117	56	8.63	A3 Weld
12 1/2	270	255.34	20	22	80	117	56	9.65		

Double Pitch Sprockets Asian Standard Series

NK2040RB

SPROCKETS

Tooth Width (T) 7.2mm

CHAIN

Pitch (P) 25.4mm
Internal width (W) 7.95mm
RollerΦ (Dr) 15.88mm

Type	Teeth	Do	Dp	Bore d			BD	BL	Wt. kg	Material	
				Stock	Min	Max					
NK2040RB	7	68	58.54	16	18	22	★40	25	0.26	C45 Solid	
	8	77	66.37	16	18	28	★48	25	0.37		
	9	85	74.26	16	18	32	52	25	0.47		
	10	93	82.20	16	18	42	63	25	0.70		
	11	102	90.16	16	18	42	63	25	0.77		
	12	108	98.14	16	18	42	63	25	0.84		
	13	118	106.14	16	18	42	63	25	0.97		
	14	127	114.15	16	18	42	63	25	1.07		
	15	135	122.17	16	18	45	68	28	1.26		
	16	143	130.20	20	22	45	68	28	1.30		
	17	151	138.23	20	22	45	68	28	1.35		
	18	159	146.27	20	22	45	68	28	1.45		
	19	167	154.32	20	22	45	68	28	1.60		
	20	176	162.37	20	22	45	68	28	1.80		
	21	183	170.42	20	22	48	73	32	1.91		
	22	192	178.48	20	22	48	73	32	2.03		
	23	200	186.54	20	22	48	73	32	2.15		
	24	208	194.60	20	22	48	73	32	2.28		
	25	216	202.66	20	22	48	73	32	2.42		
	26	224	210.72	20	22	48	73	32	2.56		
	28	241	226.86	20	22	48	73	32	2.87		
	30	257	243.00	20	22	48	73	32	3.19		
	32	273	259.14	20	22	55	83	32	4.04		
											Fe360 Welding

★Has recessed groove in hub for chain clearance

NK2050RB

SPROCKETS

Tooth Width (T) 8.7mm

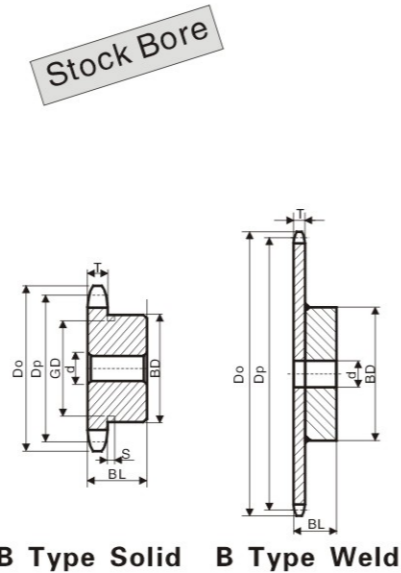
CHAIN

Pitch (P) 31.75mm
Internal width (W) 9.53mm
RollerΦ (Dr) 19.05mm

Type	Teeth	Do	Dp	Bore d			BD	BL	Wt. kg	Material	
				Stock	Min	Max					
NK2050RB	7	85	73.18	20	22	30	★50	28	0.46	C45 Solid	
	8	96	82.97	20	22	40	★60	28	0.67		
	9	106	92.83	20	22	42	66	28	0.86		
	10	116	102.75	20	22	48	73	28	1.10		
	11	127	112.70	20	22	48	73	28	1.20		
	12	138	122.67	20	22	48	73	28	1.30		
	13	148	132.67	20	22	48	73	28	1.50		
	14	158	142.68	20	22	48	73	28	1.90		
	15	168	152.71	20	22	48	73	28	2.00		
	16	179	162.74	20	22	48	73	28	2.30		
	17	189	172.79	20	22	55	83	35	2.45		
	18	199	182.84	20	22	55	83	35	2.75		
	19	209	192.90	20	22	55	83	35	2.95		
	20	220	202.96	20	22	55	83	35	3.15		
	21	229	213.03	20	22	55	83	35	3.25		
	22	240	223.10	20	22	55	83	35	3.48		
	23	250	233.17	20	22	55	83	35	3.71		
	24	260	243.25	20	22	55	83	35	3.96		
	25	270	253.32	20	22	55	83	35	4.22		
	26	281	263.41	20	22	55	83	35	4.49		
	28	301	283.57	20	22	55	83	35	5.06		
	30	321	303.75	20	22	55	83	35	5.68		
											Fe360 Welding

★Has recessed groove in hub for chain clearance

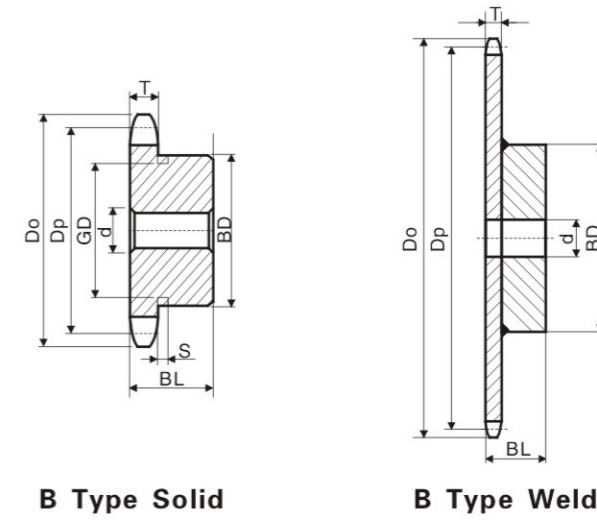
NK2040RB NK2050RB



B Type Solid B Type Weld

Double Pitch Sprockets Asian Standard Series

NK2060RB



B Type Solid B Type Weld

NK2060RB

SPROCKETS

Tooth Width (T) 11.7mm

CHAIN

Pitch (P) 38.10mm
Internal width (W) 12.70mm
RollerΦ (Dr) 22.23mm

Power Transmission Professional

NK2040RB

Teeth	S	GD
7		35
8	6	43

Teeth	S	GD
7		56
8	10	68

NK2050RB

Teeth	S	GD
7		45
8	7	56

Type	Teeth	Do	Dp	Bore d			BD	BL	Wt. kg	Material	
				Stock	Min	Max					
NK2060RB	7	102	87.81	20	22	40	★60	40	0.97	C45 Solid	
	8	115	99.56	20	22	50	★75	40	1.44		
	9	128	111.40	20	22	50	80	40	1.80		
	10	140	123.29	20	22	55	80	45	2.50		
	11	153	135.23	20	22	55	80	45	2.60		
	12	165	147.21	20	22	55	80	45	2.80		
	13	177	159.20	20	22	55	83	45	3.10		
	14	190	171.22	20	22	55	83	45	3.60		
	15	202	183.25	20	22	55	83	45	3.90		
	16	214	195.29	20	22	55	83	45	4.20		
	17	227	207.35	26	28	63	93	45	4.60		
	18	239	219.41	26	28	63	93	45	5.00		
	19	251	231.48	26	28	63	93	45	5.50		
	20	263	243.55	26	28	63	93	45	6.00		
	21	276	255.63	26	28	63	93	45	5.89		
	22	288	267.72	26	28	63	93	45	6.34		
	24	312	291.90	26	28	63	93	45	7.28		
	25	324	303.99	26	28	63	93	45	7.77		
	26	337	316.09	26	28	63	93	45	8.77		
	28	361	340.29	26	28	63	93	45	9.90		
	30	385	364.49	26	28	63	93	45	11.20		
											Fe360 Welding

★Has recessed groove in hub for chain clearance

Double Pitch Sprockets Asian Standard Series

□ NK2080RB

SPROCKETS

Tooth Width (T) 14.6mm

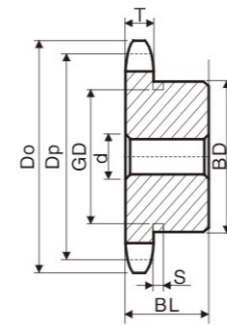
CHAIN

Pitch (P) 50.80mm
Internal width (W) 15.88mm
RollerΦ (Dr) 28.58mm

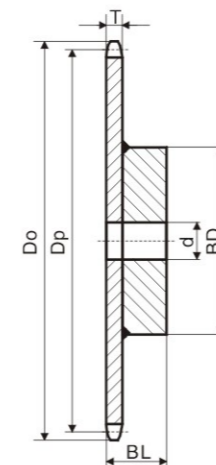
Stock Bore

Type	Teeth	Do	Dp	Bore d			BD	BL	Wt. kg	Material
				Stock	Min	Max				
NK2080RB	7	136	117.08	20	22	50	76	40	1.85	C45 Solid
	8	153	132.75	20	22	60	93	40	2.64	
	9	170	148.53	20	22	65	110	40	3.56	
	10	187	164.39	20	22	63	93	40	3.29	Fe360 Welding
	11	204	180.31	26	28	75	107	45	4.42	
	12	220	196.28	26	28	75	107	45	4.94	
	13	237	212.27	26	28	75	107	45	5.46	
	14	253	228.29	26	28	75	107	45	6.09	
	15	269	244.33	26	28	75	107	45	6.70	
	16	286	260.39	26	28	75	107	45	7.42	
	17	302	276.46	26	28	75	107	45	8.12	
	18	319	292.55	26	28	80	117	50	9.76	
	19	335	308.64	26	28	80	117	50	10.56	
	20	351	324.74	26	28	80	117	50	11.46	
	24	416	389.19	26	28	80	117	50	16.30	
	25	433	405.32	26	28	80	117	50	17.50	
26	449	421.45	26	28	80	117	50	18.70		
28	481	453.72	26	28	80	117	50	21.20		
30	514	485.99	26	28	80	117	50	24.00		

NK2080RB NK2100RB



B Type Solid



B Type Weld

□ NK2100RB

SPROCKETS

Tooth Width (T) 17.6mm

CHAIN

Pitch (P) 63.50mm
Internal width (W) 19.05mm
RollerΦ (Dr) 39.68mm

Type	Teeth	Do	Dp	Bore d			BD	BL	Wt. kg	Material
				Stock	Min	Max				
NK2100RB	10	233	205.49	26	28	75	107	56	7.00	Fe360 Welding
	11	254	225.39	26	28	80	117	56	8.00	
	12	275	245.35	26	28	80	117	56	9.50	

Double Sprockets for Two Single Chains Asian Standard Series

40SD 50SD

□ 40SD

SPROCKETS

Tooth Width (T) 7.2mm

CHAIN

Pitch (P) 12.7mm
Internal width (W) 7.95mm
RollerΦ (Dr) 7.95mm

Type	Teeth	Do	Dp	Bore d			BD	BL	Wt. kg	Material
				Stock	Min	Max				
40SD	12	55	49.07	10	12	18	34	35	0.33	C45 Hardened Teeth
	13	59	53.07	13	15	20	38	35	0.40	
	14	63	57.07	13	15	25	42	35	0.49	
	15	67	61.08	13	15	28	46	35	0.57	
	16	71	65.10	13	15	30	50	35	0.66	
	17	76	69.12	13	15	32	54	35	0.76	
	18	80	73.14	13	15	38	59	35	0.89	
	19	84	77.16	13	15	42	63	35	1.00	
	20	88	81.18	14	16	45	67	35	1.14	
	21	92	85.21	14	16	48	71	35	1.23	



Stock Bore

□ 50SD

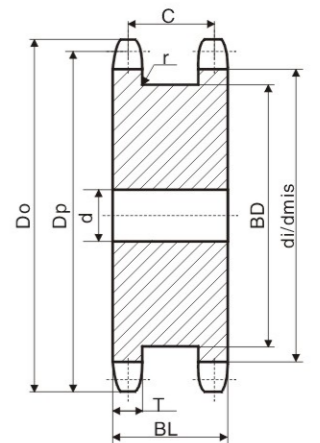
SPROCKETS

Tooth Width (T) 8.7mm

CHAIN

Pitch (P) 15.875mm
Internal width (W) 9.53mm
RollerΦ (Dr) 10.16mm

Type	Teeth	Do	Dp	Bore d			BD	BL	Wt. kg	Material
				Stock	Min	Max				
50SD	12	69	61.34	14	16	25	43	40	0.63	C45 Hardened Teeth
	13	74	66.34	14	16	28	48	40	0.75	
	14	79	71.34	14	16	32	53	40	0.90	
	15	84	76.35	14	16	35	58	40	1.04	
	16	89	81.37	14	16	42	63	40	1.22	
	17	94	86.39	14	16	45	68	40	1.41	
	18	100	91.42	14	16	48	73	40	1.61	
	19	105	96.45	14	16	55	79	40	1.80	
	20	110	101.48	14	16	57	84	40	1.95	
	21	115	106.51	14	16	60	89	40	2.27	



A Type

Double Sprockets for Two Single Chains Asian Standard Series

60SD

SPROCKETS

Tooth Width (T) 11.7mm

CHAIN

Pitch (P) 19.05mm
Internal width (W) 12.70mm
RollerΦ (Dr) 11.91mm

Type	Teeth	Do	Dp	Bore d			BD	BL	Wt. kg	Material
				Stock	Min	Max				
60SD	12	83	73.60	14	16	32	51	50	1.14	C45 Hardened Teeth
	13	89	79.60	14	16	35	57	50	1.39	
	14	95	85.61	16	18	42	64	50	1.63	
	15	101	91.62	16	18	46	70	50	1.96	
	16	107	97.65	16	18	51	76	50	2.20	
	17	113	103.67	16	18	55	82	50	2.56	
	18	119	109.71	16	18	60	88	50	2.90	
	19	126	115.74	16	18	63	94	50	3.26	
	20	132	121.78	16	18	66	100	50	3.70	
	21	138	127.82	16	18	75	107	50	4.13	

80SD

SPROCKETS

Tooth Width (T) 14.6mm

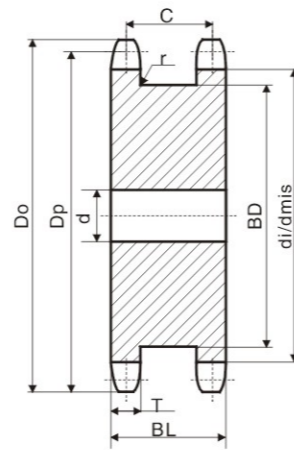
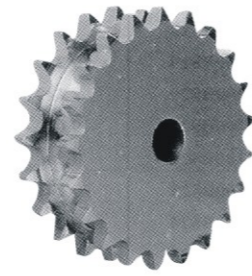
CHAIN

Pitch (P) 25.4mm
Internal width (W) 15.88mm
RollerΦ (Dr) 15.88mm

Type	Teeth	Do	Dp	Bore d			BD	BL	Wt. kg	Material
				Stock	Min	Max				
80SD	12	110	98.14	20	22.5	46	69	60	2.52	C45 Hardened Teeth
	13	118	106.14	20	22.5	51	77	60	3.04	
	14	127	114.15	20	22.5	57	85	60	3.60	
	15	135	122.17	20	22.5	63	93	60	4.16	
	16	143	130.20	20	22.5	70	102	60	4.89	
	17	151	138.23	20	22.5	75	110	60	5.61	
	18	159	146.27	20	22.5	80	118	60	6.36	
	19	167	154.32	21	23.5	80	126	60	7.13	
	20	176	162.37	21	23.5	89	134	60	8.03	
	21	184	170.42	21	23.5	95	142	60	8.88	

60SD 80SD

Stock Bore

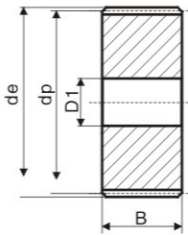
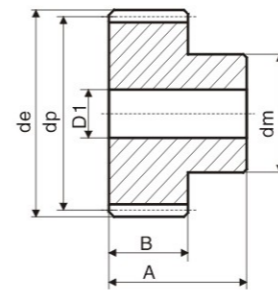


A Type

Spur Gears European Standard Series

SPUR GEARS

Pressure angle 20°



Tooth Width "B"

- Module 1=15mm
- Module 1.5=17mm
- Module 2=20mm
- Module 2.5=25mm
- Module 3=30mm
- Module 4=40mm
- Module 5=50mm
- Module 6=60mm

Tooth Width "A"

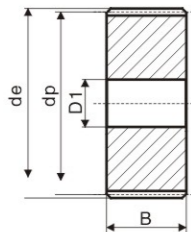
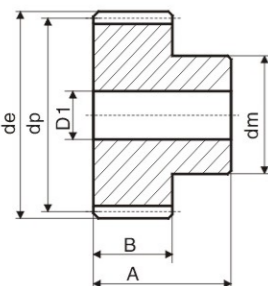
- Module 1=25mm
- Module 1.5=30mm
- Module 2=35mm
- Module 2.5=45mm
- Module 3=50mm
- Module 4=60mm
- Module 5=75mm
- Module 6=80mm

Material: C45

Z	Mod.1				Mod.1.5				Mod.2				Mod.2.5			
	d _a	d _p	d _m	D ₁	d _a	d _p	d _m	D ₁	d _a	d _p	d _m	D ₁	d _a	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	17						

Spur Gears European Standard Series

SPUR GEARS Pressure angle 20°



Tooth Width "B"

- Module 1=15mm
- Module 1.5=17mm
- Module 2=20mm
- Module 2.5=25mm
- Module 3=30mm
- Module 4=40mm
- Module 5=50mm
- Module 6=60mm

Tooth Width "A"

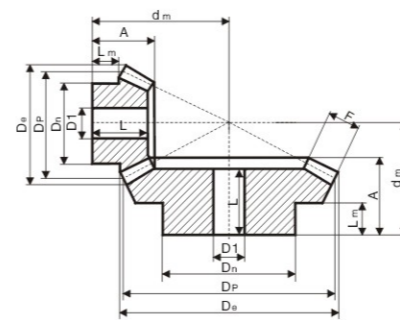
- Module 1=25mm
- Module 1.5=30mm
- Module 2=35mm
- Module 2.5=45mm
- Module 3=50mm
- Module 4=60mm
- Module 5=75mm
- Module 6=80mm

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	156	144	110	25
24	78	72	50	16	104	96	75	20	130	120	90	20	162	150	110	25
25	81	75	60	16	108	100	75	20	135	125	90	20				
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	338	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												

Bevel Gears European Standard Series

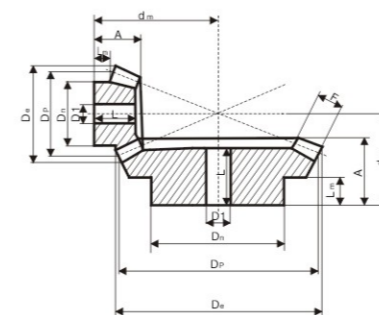
BEVEL GEARS Type A Pressure angle 20° Ratio 1:1



Material:C45

M	Z	D _e	D _p	A	F	D _n	D ₁	d _m	L	L _m
1.5	16	26.1	24.0	18	8	18	8	23.8	17	8.9
	20	32.1	30.0	20	8	22	10	28.7	18	9.8
	22	35.1	33.0	20	8	25	10	30.2	18	9.7
	25	39.6	37.5	23	8	28	10	35.4	21	12
	30	47.1	45.0	25	10	30	12	39.7	22.5	12
2	16	34.8	32.0	20	9	25	10	28.8	17	9.3
	20	42.8	40.0	25	12	32	10	35.7	22	12
	22	46.8	44.0	25	12	36	10	37.7	22	17.7
	25	52.8	50.0	28	14	40	12	42.3	25	12.3
	30	62.8	60.0	30	16	50	12	47.8	27	12.8
2.5	16	43.5	40.0	25.5	10	32	12	37.3	22	13.3
	20	53.5	50.0	30.5	12	40	12	45.9	27	16
	22	58.5	55.0	30.5	12	45	12	48.3	27	15.9
	25	66.0	62.5	33.5	15	50	15	53.0	30	16
	30	78.5	75.0	33.5	18	55	15	59.1	32	16
3	16	52.2	48.0	30	12	40	15	44.2	26	16.2
	20	64.2	60.0	35	18	45	15	51.1	31	13.6
	22	70.2	66.0	35	18	50	15	54.0	31	13
	25	79.2	75.0	38	20	55	15	60.1	34	16
	30	94.4	90.0	40	22	60	20	68.1	36	19
3.5	16	60.9	56.0	35.5	16	45	15	50.8	31	17.2
	20	74.9	70.0	40.5	22	55	15	58.6	36	19
	22	81.9	77.0	40.5	22	60	15	62.0	36	18
	25	92.4	87.5	43.5	26	65	20	67.5	39	18
	30	109.9	105.0	45.5	30	70	20	75.4	41	17
4	16	69.6	64.0	38	18	50	15	55.6	33	16.6
	20	85.6	80.0	43	25	60	18	63.8	38	18
	22	93.6	88.0	43	25	65	18	67.7	38	18
	25	105.6	100.0	45	28	70	20	73.5	40	18
	30	125.6	120.0	48	32	80	25	83.7	43	16
4.5	16	78.3	72.0	43	20	55	18	63.0	37	18.5
	20	96.3	90.0	48	28	65	20	71.5	42	18
	22	105.3	99.0	48	28	70	20	75.8	42	18
	25	118.8	112.5	50	32	75	20	81.8	44	18
	30	141.3	135.0	53	35	90	20	93.8	47	17
5	16	87.0	80.0	45.5	22	60	20	67.8	39	17.8
	20	107.1	100.0	50.5	30	70	20	77.3	44	18.5
	22	117.1	110.0	50.5	30	80	20	82.2	44	18.5
	25	132.1	125.0	54.5	35	90	20	90.2	48	18.5
	30	157.1	150.0	56.5	38	110	30	102.4	50	18

BEVEL GEARS Type A Pressure angle 20° Ratio 1:2



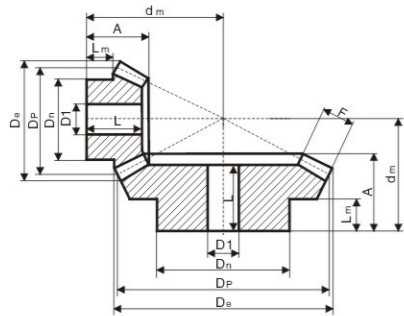
Material:C45

M	Z	D _e	D _p	A	F	D _n	D ₁	d _m	L	L _m
1.5	16	26.7	24	18.5	8	21	10	34.9	17	10.3
	32	49.3	48	20	8	32	12	27.5	17.5	10
2	16	35.6	32	23	10	27	10	45.4	21	12.2
	32	65.8	64	25	10	40	12	35.2	22	10
2.5	16	44.4	40	27.5	12	34	12	56.0	25	14.4
	32	82.2	80	30	12	50	15	43.0	26.5	15
3	16	53.4	48	28	15	40	15	61.6	25	11.6
	32	98.7	96	35	15	60	15	50.4	30.5	15
3.5	16	62.3	56	33.5	18	48	15	72.3	30.5	14.4
	32	115.1	112	40	18	70	20	57.7	35	19
4	16	71.1	64							

Bevel Gears European Standard Series

BEVEL GEARS

Type A
Pressure angle 20°
Ratio 1:3

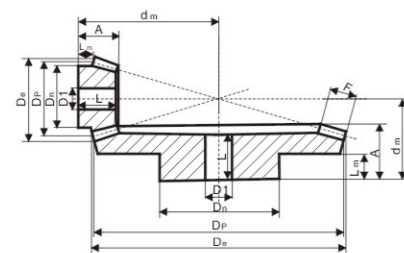


Material:C45

M	Z	D _e	D _p	A	F	D _n	D ₁	d _m	L	L _m
1.5	16	26.9	24	22	12	20	10	46.3	21	9.7
	48	72.9	72	22	12	42	15	29.2	19	12
2	16	35.8	32	25.5	15	25	12	58.9	24	9.4
	48	97.3	96	26	15	50	15	35.9	22	13
2.5	16	44.7	40	28	18	33	14	70.4	26	9.2
	48	121.6	120	32	18	60	20	44.6	27	16
3	16	53.7	48	30	18	42	15	84.2	28	11.2
	48	145.9	144	38	18	65	20	54.1	32	19
3.5	16	62.6	56	36.5	22	48	15	98.8	34	13.4
	48	170.2	168	44	22	75	20	62.5	37	23
4	16	71.6	64	42	25	55	20	113.3	39	15.7
	48	194.5	192	50	25	85	22	71.2	42	27
4.5	16	80.6	72	53	28	60	20	133.4	50	23.4
	48	218.8	216	58	28	90	25	81.9	49	27
5	16	89.5	80	60	35	60	20	145.7	57	22.5
	48	243.1	240	65	35	100	28	90.5	55	35

BEVEL GEARS

Type A
Pressure angle 20°
Ratio 1:4



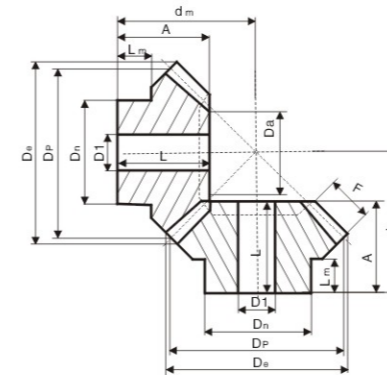
Material:C45

M	Z	D _e	D _p	A	F	D _n	D ₁	d _m	L	L _m
1.5	16	26.9	24	25	12	18	10	61.1	24	12.2
	64	96.7	96	25	12	60	15	33	22	13
2	16	35.9	32	24	15	25	12	73.1	23	8.5
	64	129.0	128	28	15	70	20	38.9	24	14
2.5	16	44.9	40	30.5	18	34	15	92.6	29	11.7
	64	161.2	160	35	18	80	20	48.8	30	16
3	16	53.8	48	32	20	40	15	108	30	11.1
	64	193.5	192	42	20	90	20	58.8	36	22
3.5	16	62.8	56	40	25	45	15	127.1	38	14
	64	225.7	224	50	25	100	25	69.3	43	22
4	16	71.7	64	50	30	50	20	148.2	48	18.5
	64	257.9	256	60	30	110	28	81.8	52	30
4.5	16	80.7	72	55	32	60	20	167.1	53	21.6
	64	290.1	288	65	32	120	30	89.8	57	35
5	16	89.7	80	60	35	65	20	185.1	58	23.2
	64	322.4	320	70	35	120	30	97.7	61	42

Bevel Gears European Standard Series

BEVEL GEARS

Type B
Pressure angle 20°
Ratio 1:1

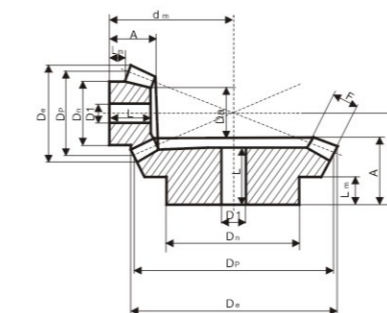


Material:C45

M	Z	D _e	D _p	A	F	D _n	D ₁	d _m	D _a	L	D _m
1	16	17.4	16.0	11.2	4	13.3	4	16	7	-	6.7
	19	20.4	19.0	11.8	4	15.3	4	18	11.5	-	6.6
	22	23.4	22.0	12.8	4.7	16.3	5	20	11.5	-	6.1
	26	27.4	26.0	13.3	5.5	20.3	5	22	14.5	-	7
1.5	16	26.1	24.0	18.9	6	20.3	8	26	12	-	12.2
	19	30.6	28.5	21.3	7	20.3	8	30	14.5	-	11.6
	22	35.1	33.0	22.5	7.5	25.3	8	33	17	-	12.7
	26	41.1	39.0	23.2	8.5	28.3	8	36	22	-	12
2	16	34.8	32.0	23.5	8	25.3	8	33	15.5	-	13.6
	19	40.8	38.0	24.2	9	25.3	8	36	19.5	-	12
	22	46.8	44.0	27.9	10	30.3	10	42	23.5	-	14
	26	54.8	52.0	31.4	12	35.3	12	48	29	-	13.7
2.5	16	43.5	40.0	28.1	10	30.3	12	40	20	-	15.2
	19	51.0	47.5	27.1	11	35.3	12	42	25	-	13
	22	58.5	55.0	30.1	12	45.3	12	48	31.5	-	15.7
	26	68.5	65.0	33.2	15	45.3	15	54	36.5	-	16
3	16	52.2	48.0	31.7	12	40.3	12	46	23	-	18.1
	19	61.2	57.0	36.0	13	40.3	14	54	30	-	17.1
	22	70.2	66.0	36.9	15	50.3	15	58	36.5	-	17.1
	26	82.2	78.0	38.4	17	50.3	15	64	45.5	-	18
3.5	16	60.9	56.0	36.4	14	45.3	15	53	27.5	-	19.8
	19	71.4	66.5	36.9	15	50.3	15	58	35.3	-	18
	22	81.9	77.0	39.1	17	55.3	15	64	43.5	-	18
	26	95.9	91.0	42.2	20	60.3	20	72	52.3	-	20
4	16	69.7	64.0	44.3	15	50.3	15	64	32	-	25.1
	19	81.7	76.0	44.4	18	55.3	18	68	40	-	22
	22	93.7	88.0	45.9	20	60.3	18	74	49	-	22
	26	109.7	104.0	48.0	23	70.3	20	82	65	43	22
4.5	16	78.4	72.0	46.3	17.5	55.3	18	68	35.5	-	25
	19	91.8	85.5	47.3	20	60.3	20	74	44.6	-	25
	22	105.3	99.0	50.1	22	70.3	20	82	56	-	25
	26	123.3	117.0	53.2	25	75.3	20	92	68.1	45	25
5	16	87.1	80.0	48.9	18	60.3	20	74	42	-	25
	19	102.1	95.0	52.2	22	60.3	20	82	50	-	25
	22	117.1	110.0	58.2	24	80.3	20	94	68	52	30
	26	137.1	130.0	62.7	29	80.3	20	105	82	57	30
5	30	157.1	150.0	68.9	32	80.3	30	119	97	63	35

BEVEL GEARS

Type B
Pressure angle 20°
Ratio 1:2

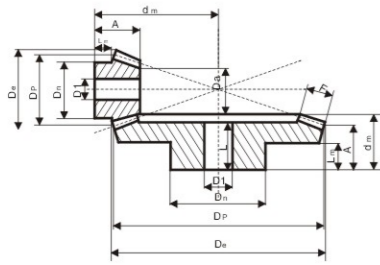


Material:C45

M	Z	d _e	d _p	A	F	D _n	D ₁	d _m	D _a	L	D _m
1	15	17.4	15.0	11.9	5	13.3	4	22	8	-	6.6
	30	30.6	30.0	15.1	5	20.3	5	20	-	14	9
1.5	15	26.1	22.5	21.1	9	20.3	8	35	11.5	-	12
	30	45.9	45.0	25.2	9	32.3	8	32	-	23	16
2	15	34.8	30.0	26.0	11.5	25.3	8	45	16	-	13.8
	30	61.2	60.0	29.8	11.5	40.3	12	39	-	27	18
2.5	15	43.5	37.5	31.8	15	32.3	12	55	20	-	16.2
	30	76.5	75.0	33.7	15	45.3	15	45	-	30	20
3	15	52.2	45.0	37.3	17	40.3	12	66	25	-	19.8
	30	91.8	90.0	42.1	17	55.3	15	56	-	38	25
3.5	15	60.9	52.5	46.1	20.5	45.3	15	79	28.5	-	24.7
	30	107.1	105.0	45.0	20.5	55.3	20	61	-	40	25
4	15	69.6	60.0	48.6	22.5	50.3	20	87	34	-	24.6
	30	122.3	120.0	57.3	22.5	80.3	20	76	-	52	35
4.5	15	78.3	67.5	51.4	26	60.3	20	94	37.5	-	24.7
	30	137.6	135.0	60.3	26	80.3	25	81	-	53	35
5	15	87.0	75.0	57.6	30	60.3	20	104	40	-	25.3
	30	152.9	150.0	62.5	30	80.3	25	85	-	56	35

Bevel Gears European Standard Series

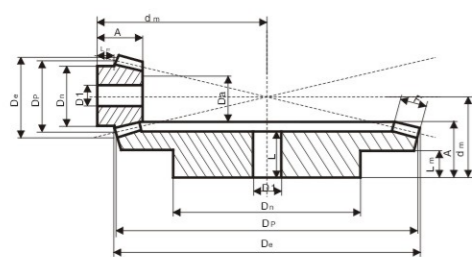
BEVEL GEARS
Type B
Pressure angle 20°
Ratio 1:3



Material:C45

M	Z	d _o	d _p	A	F	D _n	D ₁	d _m	D _a	L	D _m
1	15	17.7	15.0	16.6	7.1	13.3	4	32	8	-	9.3
	45	45.3	45.0	17.1	7.1	25.3	8	22	-	15	10
1.5	15	26.5	22.5	22.6	10.5	19.3	8	46	14	-	11.7
	45	68.1	67.5	29.6	10.5	45.3	14	37	-	27	20
2	15	35.4	30.0	28.9	14	25.3	8	60	18	-	14.2
	45	90.8	90.0	32.1	14	45.3	15	42	-	29	20
2.5	15	44.2	37.5	34.6	18	32.3	12	73	22.5	-	15.9
	45	113.4	112.5	39.7	18	60.3	20	52	-	36	25
3	15	53	45.0	41.3	21	40.3	15	88	28.5	-	19.7
	45	136.1	135.0	47.2	21	60.3	20	62	-	42.5	30
3.5	15	61.9	52.5	49.6	23.5	45.3	15	105	33.5	-	25.1
	45	158.8	157.5	54.4	23.5	80.3	20	72	-	49	35
4	15	70.7	60.0	54.3	27.5	50.3	20	117	38	-	25.4
	45	181.5	180.0	57.0	27.5	80.3	22	77	-	51	35
4.5	15	79.5	67.5	55.2	28.5	55.3	20	128	44	-	24.8
	45	204.2	202.5	63.9	28.5	90.3	25	87	-	57	40
5	15	88.4	75	65.3	33	60.3	20	145	47	-	30
	45	226.9	225.0	66.7	33	90.3	28	92	-	59	40

BEVEL GEARS
Type B
Pressure angle 20°
Ratio 1:4

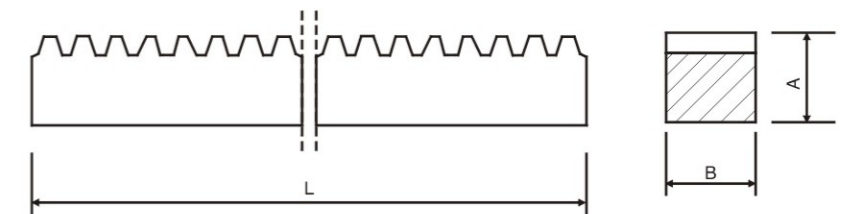


Material:C45

M	Z	d _o	d _p	A	F	D _n	D ₁	d _m	D _a	L	D _m
1	15	17.8	15.0	17.2	9.3	13.3	4	38	8	-	7.7
	60	60.3	60.0	17.1	9.3	30.3	8	22	-	15	10
1.5	15	26.7	22.5	23.0	11	20.3	8	57	15	-	11.7
	60	90.4	90.0	34	11	50.3	15	42	-	31	25
2	15	35.6	30.0	31	16	25.3	8	75	20	-	14.4
	60	120.6	120.0	37.6	16	60.3	16	48	-	34	25
2.5	15	44.5	37.5	38.1	19	32.3	14	94	25	-	18.4
	60	150.7	150.0	44.8	19	60.3	20	58	-	40	30
3	15	53.3	45.0	48.1	23	40.3	15	115	30	-	24.5
	60	180.8	180.0	53.2	23	80.3	20	69	-	48	35
3.5	15	62.2	52.5	52.1	26	45.3	15	131	36	-	25.1
	60	211.0	210.0	60.4	26	90.3	25	79	-	54	40
4	15	71.1	60.0	55.1	30	50.3	20	145	37.5	-	23.8
	60	241.1	240.0	60.8	30	90.3	28	82	-	53	40
4.5	15	79.9	67.5	59.1	34	60.3	20	160	45.2	-	24.1
	60	271.2	270.0	68.2	34	100.3	30	92	-	61	40
5	15	88.8	75.0	68.1	38	70.3	20	180	50.1	-	29.4
	60	301.3	300.0	73.5	38	110.3	30	100	-	66	40

Spur Racks European Standard Series

Racks According To **DIN 782**
Pressure angle 20°



Material:C45

Mod.	LENGTH		
	500	1000	2000
	AXB	AXB	AXB
1	15x15	15x15	15x15
1.5	17x17	17x17	17x17
2	20x20	20x20	20x20
2.5	25x25	25x25	25x25
3	30x30	30x30	30x30
4	—	25x25	25x25
4	—	30x30	30x30
4	40 40	40x40	40x40
5	50 50	50x50	50x50
6	—	60x60	60x60

公司简介 Company introduction

Hangzhou Donghua Chain Group is the largest chain and sprocket manufacturer in China. It has five subsidiaries including Hangzhou Ziqiang Chain Drive Co., Ltd. Hangzhou Dunpai Chain Co., Ltd. And Hangzhou Donghua Power Transmission IMP. & EXP. Co., Ltd. etc. Hangzhou Donghua Chain Group Co., Ltd. was founded in november 1991.

The company is specialized in producing all kinds of standard chains and special chains, e. g. A or B series chains, automobile chains, stainless steel chains, combine harvester chains, heavy-duty cranked link transmission chains, stereo garage chains and maintenance-free chains etc. In recent years, it invests the capital and depends on the improvement of technology to accelerate the step of new product development and the step of technology reform. It intends to produce high strength and precision chains in order to meet requirements of the domestic and overseas markets.

"Ziqiang" brand and "Donghua" Brand chains conform to the national standard (GB), international standard (ISO) and the advanced industrial countries' Standards (JIS, ANSI, BS, DIN etc.). "Donghua" has been registered in 63 countries all over the world and regarded as a famous trademark of Zhejiang Province. "Ziqiang" brand is approved as a famous brand of Zhejiang Province and a famous trademark of Hangzhou City. The company has the right to engage in foreign trade, passed the process inspection of Zhejiang Commodity Inspection Bureau in 2002 and became one of the first enterprises to gain the qualification of "Green Channel" for commodity inspection. 70% of products are exported to Europe, America, Japan, and South-east Asia etc. It also cooperates with global well-known agricultural machinery leaders including Johndeer, NH and Claas, etc. To provide production line chains for first-rate enterprises in the world, e. g. Bosch, etc. Its sales network covers all over the domestic market and it cooperates with many key machinery factories, e. g. By offering automobile driving chains in lot for SAIC and conveyor chains specialized for Baosteel' S production, etc. Its chain lots begin to enter metallurgy, petroleum and machinery industries.

The company has made much progress: Obtained ISO9002 Certificate of Quality Assurance System in 1996; Achieved ISO9001 Certificate of Quality Assurance System in 1999; In 2002, passed the auditing of the revised ISO 9001 Quality Assurance System, ISO 9001: 2000. In addition, the company also pays important attention to environmental protection: Made a huge investment in establishing a Wastewater Treatment Center to realize the wastewater recovery cycle. In 2002, became one of the first to obtain ISO14000 Certificate of Environmental Management System and gain the qualification of "Green Channel" of Zhejiang Province; Performed ISO 9001 Quality Assurance System and ISO14000 Environmental Management System at a time; In 2004, passed the certification of American Petroleum Institute (API). In the implementation of ISO9001 Quality Assurance System, Donghua gradually forms a complete set of normal and scientific quality management system documents, establishes a whole process of quality control system based on prevention, and builds up a continuous improvement and good circulation system to make its product quality into a steady perfection.

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