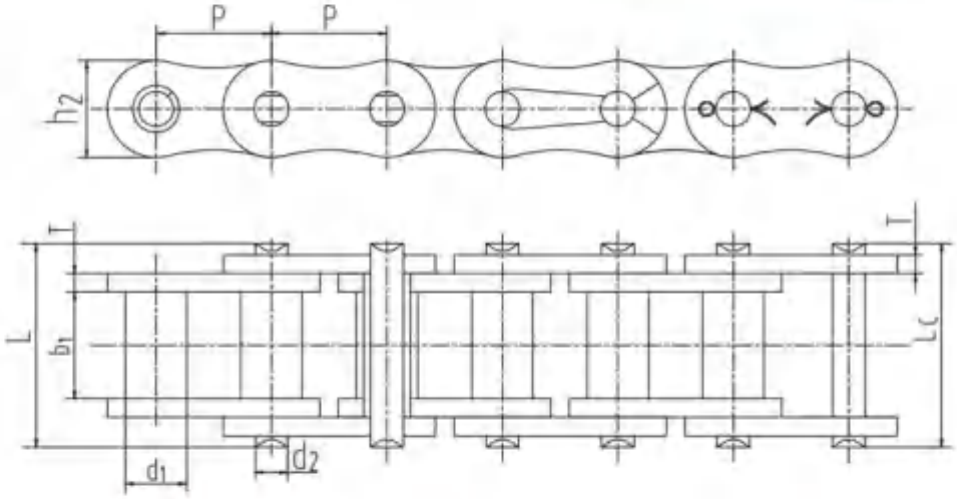
Company Profiles

Qingdao Star Machine Technology Co., Ltd. is located in the beautiful coastal city-Qingdao. We are a large enterprise groups engaged in researching, production, marketing and technical services, having three large research and production bases and one large marketing center for transmission parts, bearings, chains, sprockets, tractor driving axles and hydraulic steering units. Covering 80, 000 square meters, now we have 816 employees including 167 senior professional technicians and a global network of sales and service system. Keeping good partnership with Liaocheng University, Qingdao University, Shandong Agricultural University, Shandong University and Chinese Academy of Agricultural Sciences, we are getting great technical support from industry experts.

"You provide a request, We'll give you a perfect product". We uphold the business philosophy "integrity, efficiency, cooperation, innovation", quality first, advanced technology, precision production, integrity management, efficient service, to support our customers with the top quality products and super sophisticated technology.

A SERIES SHORT PITCH PRECISION ROLLER CHAINS

Simplex roller chains & bush chains



DIN/ISO	ANSI	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
DIN/ISO Chain No.	ANSI Chain No.	p	d1(max)	b1(min)	d2(max)	L(max)	Lc(max)	h2(max)	T(max)	Q(min)	Qo	q
		mm	mm	mm	mm	mm	mm	mm	mm	kN/lbf	kN	kg/m
*03C	*15	4.7625	2.48	2.38	1.62	6.10	6.90	4.30	0.60	1.80/409	2.0	0.08
*04C-1	*25	6.3500	3.30	3.18	2.31	7.90	8.40	6.00	0.80	3.50/795	4.6	0.15
*06C-1	*35	9.5250	5.08	4.77	3.58	12.40	13.17	9.00	1.30	7.90/1795	10.8	0.33
085-1	41	12.7000	7.77	6.25	3.58	13.75	15.00	9.91	1.30	6.67/1516	12.6	0.41
08A-1	40	12.7000	7.95	7.85	3.96	16.60	17.80	12.00	1.50	14.10/3205	17.5	0.62
10A-1	50	15.8750	10.16	9.40	5.08	20.70	22.20	15.09	2.03	22.20/5045	29.4	1.02
12A-1	60	19.0500	11.91	12.57	5.94	25.90	27.70	18.00	2.42	31.80/7227	41.5	1.50
16A-1	80	25.4000	15.88	15.75	7.92	32.70	35.00	24.00	3.25	56.70/12886	69.4	2.60
20A-1	100	31.7500	19.05	18.90	9.53	40.40	44.70	30.00	4.00	88.50/20114	109.2	3.91
24A-1	120	38.1000	22.23	25.22	11.10	50.30	54.30	35.70	4.80	127.00/28864	156.3	5.62
28A-1	140	44.4500	25.40	25.22	12.70	54.40	59.00	41.00	5.60	172.40/39182	212.0	7.50
32A-1	160	50.800	28.58	31.55	14.27	64.80	69.60	47.80	6.40	226.80/51545	278.9	10.10
36A-1	180	57.1500	35.71	35.48	17.46	72.80	78.60	53.60	7.20	280.20/63682	341.8	13.45
40A-1	200	63.5000	39.68	37.85	19.85	80.30	87.20	60.00	8.00	353.80/80409	431.6	16.15
48A-1	240	76.2000	47.63	47.35	23.81	95.50	103.00	72.39	9.50	510.30/115977	622.5	23.20

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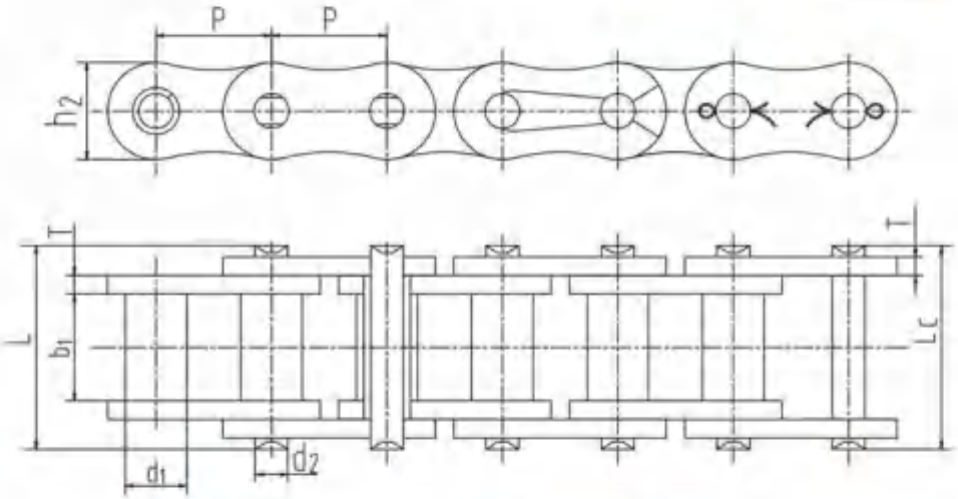
B SERIES SHORT PITCH PRECISION ROLLER CHAINS

Simplex roller chains



DIN/ISO	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
DIN/ISO Chain No.	P	d1(max)	b1(min)	d2(max)	L(max)	Lc(max)	h2(max)	T(max)	Q(min)	Qo	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/lbf	kN	kg/m
04B-1	6.000	4.00	2.80	1.85	6.80	7.8	5.00	0. 60	3.0/682	3.2	0.11
05B-1	8.000	5.00	3.00	2.31	8.20	8.9	7.10	0. 80	5.0/1136	5.9	0.20
*06B-1	9.525	6.35	5.72	3.28	13.15	14.1	8.20	1. 30	9.0/2045	10.4	0.41
08B-1	12.700	8.51	7.75	4.45	16.70	18.2	11.80	1. 60	18.0/4091	19.4	0.69
10B-1	15.875	10.16	9.65	5.08	19.50	20.9	14.70	1.70	22.4/5091	27.5	0.93
12B-1	19.050	12.07	11.68	5.72	22.50	24.2	16.00	1.85	29.0/6591	32.2	1.15
16B-1	25.400	15.88	17.02	8.28	36.10	37.4	21.00	4.15/3.1	60.0/13636	72.8	2.71
20B-1	31.750	19.05	19.56	10.19	41.30	45.0	26.40	4.50/3.5	95.0/21591	106.7	3.70
24B-1	38.100	25.40	25.40	14.63	53.40	57.8	33.20	6.00/4.8	160.0/36364	178.0	7.10
28B-1	44.450	27.94	30.99	15.90	65.10	69.5	36.70	7.50/6.0	200.0/45455	222.0	8.50
32B-1	50.800	29.21	30.99	17.81	66.00	71.0	42.00	7.00/6.0	250.0/56818	277.5	10.25
40B-1	63.500	39.37	38.10	22.89	82.20	89.2	52.96	8.50/8.0	355.0/80682	394.0	16.35
48B-1	76.200	48.26	45.72	29.24	99.10	107.0	63.80	12.00/10.0	560.0/127272	621.6	25.00
56B-1	88.900	53.98	53.34	34.32	114.6	123.0	77.80	13.50/12.0	850.0/193180	940.0	35.78
64B-1	101.600	63.50	60.96	39.40	130.0	138.5	90.17	15.00/13.0	112.0/254544	1240.0	46.00
72B-1	114.300	72.39	68.58	44.48	147.4	156.4	103.60	17.00/15.0	1400.0/318180	1550.0	60.80

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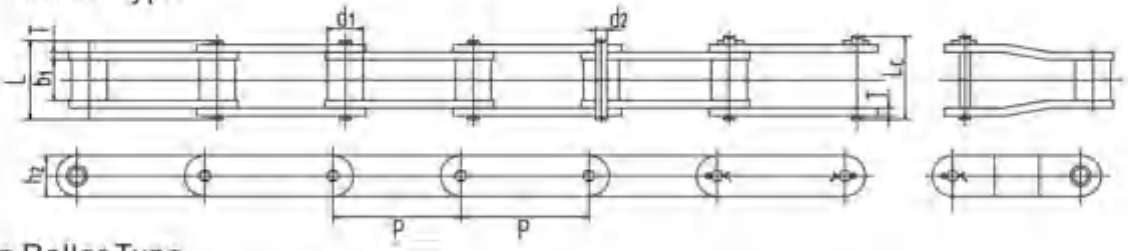
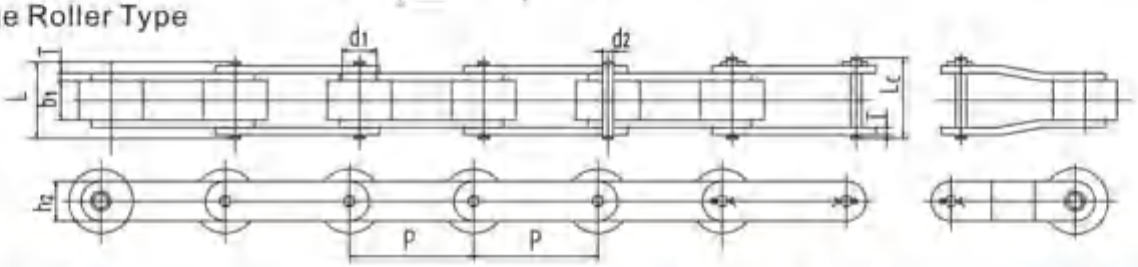
DOUBLE PITCH CONVEY CHAIN

Small Roller Type



Large Roller Type



ISO	ANSI	Pitch	Roller Diameter	Width between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
ISO Chain No.	ANSI Chain No.	P	d_1(max)	b_1(min)	d_2(max)	L(max)	Lc(max)	h2(max)	T(max)	Q(min)	Qo	q
		mm	mm	mm	mm	mm	mm	mm	mm	kN/lbf	kN	kg/m
C208A C208AL	C2040 C2042	25.40	7.95 15.88	7.85	3.96	16.6	17.8	12.0	1.50	14.1/3205	16.7	0.50 0.84
C208AH	C2040H	25.40	7.95	7.85	3.96	18.8	19.9	12.0	2.03	14.1/3205	17.2	0.65
C208B C208BL		25.40	8.51 15.88	7.75	4.45	16.7	18.2	11.8	1.60	18.0/4091	19.4	0.55 0.89
C210A C210AL	C2050 C2052	31.75	10.16 19.05	9.40	5.08	20.7	22.2	15.0	2.03	22.2/5045	28.1	0.78 1.27
C212A C212AL	C2060 C2062	38.10	11.91 22.23	12.57	5.94	25.9	27.7	18.0	2.42	31.8/7227	36.8	1.12 1.61
C212AH C212AHL	C2060H C2062H	38.10	11.91 22.23	12.57	5.94	29.2	31.6	18.0	3.25	31.8/7227	41.6	1.44 2.07
C216A C216AL	C2080 C2082	50.80	15.88 28.58	15.75	7.92	32.7	36.5	24.0	3.25	56.7/12886	65.7	2.08 3.12
C216AH C216AHL	C2080H C2082H	50.80	15.88 28.58	15.75	7.92	36.2	39.4	24.0	4.00	56.7/12886	70.0	2.54 3.58
C220A C220AL	C2100 C2102	63.50	19.05 39.67	18.90	9.53	40.4	44.7	30.0	4.00	88.5/20114	102.6	3.01 4.83
C220AH C220AHL	C2100H C2102H	63.50	19.05 39.67	18.90	9.53	43.6	46.9	30.0	4.80	88.5/20114	112.4	3.56 5.38
C224A C224AL	C2120 C2122	76.20	22.23 44.45	25.22	11.10	50.3	54.3	35.7	4.80	127.0/28864	147.3	4.66 7.66
C224AH C224AHL	C2120H C2122H	76.20	22.23 44.45	25.22	11.10	53.5	57.5	35.7	5.60	127.0/28864	160.9	5.26 8.26
C232A C232AL	C2160 C2162	101.60	28.58 57.15	31.75	14.27	64.8	69.6	47.8	6.40	226.8/51545	278.9	8.15 13.00
C232AH C232AHL	C2160H C2162H	101.60	28.58 57.15	31.75	14.27	68.2	73.0	47.8	7.20	226.8/51545	285.8	9.06 13.84

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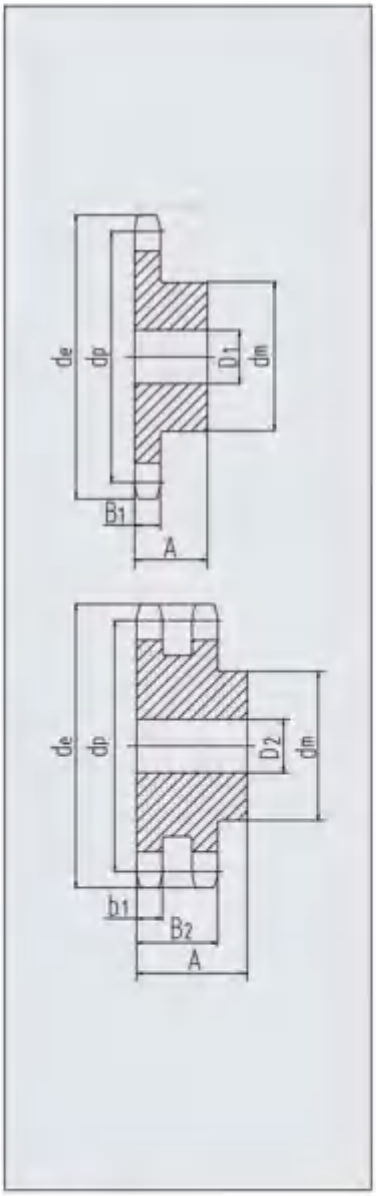
DRIVING PRECISION ROLLER CHAIN SPROCKET

05B GB1244-85 DIN8187 ISO/R 606	Sprocket Tooth Parameters(mm)		
	Pitch	p	8
	Roller Diameter	d-Φ	5
	Radius of Arc	r_1	5
	Chamfer Angle Width	C	0.8
	Rear Width	B_1	2.8
	Rear Width	b_1	2.7
	Rear Width	B_2	
	Rear Width	B_3	

Z	de	dp	Simplex			Duplex		
			dm	D_1	A	dm	D_2	A
8	23.40	20.90	13	6	12	12	6	18
9	25.90	23.39	15	6	12	15	6	18
10	28.40	25.89	17	6	12	17	8	18
11	31.10	28.39	18	7	13	19	8	18
12	33.70	30.91	20	7	13	21	8	18
13	36.70	33.42	23	7	13	24	8	18
14	39.2	35.95	25	7	13	26	8	18
15	41.7	38.48	28	7	13	29	8	18
16	44.2	41.01	30	8	14	32	10	20
17	46.7	43.53	30	8	14	34	10	20
18	49.2	46.07	30	8	14	37	10	20
19	51.7	48.61	30	8	14	39	10	20
20	54.2	51.14	30	8	14	40	10	20
21	57.2	53.67	35	8	14	45	12	20
22	59.4	56.21	35	8	14	45	12	20
23	62.2	58.75	35	8	14	45	12	20
24	64.7	61.29	35	8	14	45	12	20
25	67.2	63.83	35	8	14	45	12	20
26	69.7	66.37	40	10	16	50	12	22
27	72.3	68.91	40	10	16	50	12	22
28	74.7	71.45	40	10	16	50	12	22
29	77.2	73.99	40	10	16	50	12	22
30	80.2	76.53	40	10	16	50	12	22
31	82.7	79.08	40	12	16	60	12	22
32	85.2	81.61	40	12	16	60	12	22
33	87.7	84.16	40	12	16	60	12	22
34	90.2	86.70	40	12	16	60	12	22
35	92.7	89.24	40	12	16	60	12	22
36	95.2	91.79	40	12	16	60	12	22
37	97.7	94.33	40	12	16	60	12	22
38	100.2	96.88	40	12	16	60	12	22
39	102.7	99.42	40	12	16	60	12	22
40	105.2	101.97	40	12	16	60	12	22
42	111.0	107.05	60	12	20	80	14	22
45	118.6	114.69	60	12	20	80	14	22
48	126.4	122.32	60	12	20	80	14	22
50	131.5	127.41	60	12	20	80	14	22
54	141.7	137.59	60	12	20	80	14	22
57	149.3	145.22	80	14	20	80	14	22
60	157.1	152.85	80	14	20	80	14	22



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DRIVING PRECISION ROLLER CHAIN SPROCKET

06B

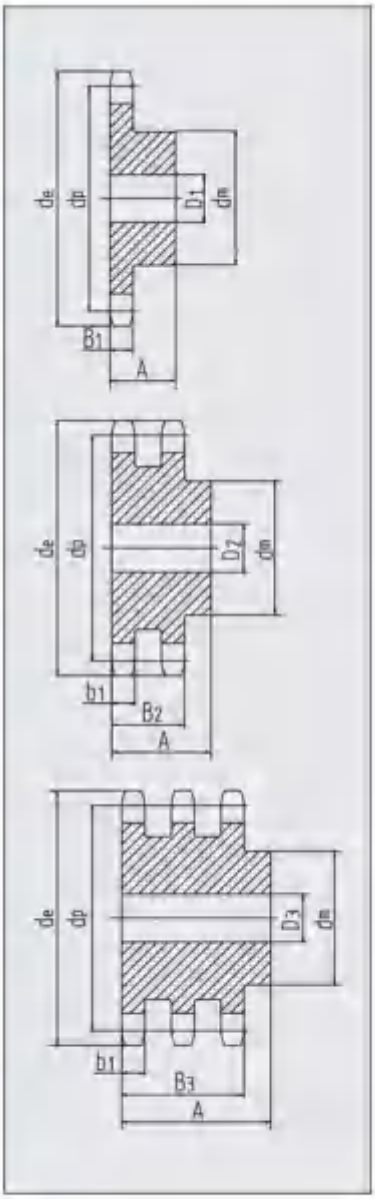
GB1244-85

DIN8187

ISO/R 606

Sprocket Tooth Parameters(mm)		
Pitch	p	9. 525
Roller Diameter	d-Φ	6. 35
Radius of Arc	r_1	10
Chamfer Angle Width	C	1
Rear Width	B_1	5. 3
Rear Width	b_1	5. 2
Rear Width	B_2	15. 4
Rear Width	B_3	25. 6

Z	de	dp	Simplex			Duplex			Triplex		
			dm	D_1	A	dm	D_2	A	dm	D_3	A
8	28.6	24.89	15	8	20	15	8	25	15	8	32
9	31.5	27.85	18	8	20	18	8	25	18	8	32
10	34.5	30.82	20	8	20	20	8	25	20	8	32
11	37.5	33.80	22	8	25	22	10	30	22	10	35
12	40.5	36.80	25	8	25	25	10	30	25	12	35
13	43.5	39.80	28	8	25	28	10	30	28	12	35
14	46.5	42.80	31	8	25	31	10	30	31	12	35
15	49.5	45.81	34	8	25	34	10	30	34	12	35
16	52.5	48.82	37	10	28	37	12	30	37	12	35
17	55.5	51.83	40	10	28	40	12	30	40	12	35
18	58.6	54.85	43	10	28	43	12	30	43	12	35
19	61.6	57.87	45	10	28	46	12	30	46	12	35
20	64.6	60.89	46	10	28	49	12	30	49	12	35
21	67.6	63.91	48	12	28	52	16	30	52	16	40
22	70.6	66.93	50	12	28	55	16	30	55	16	40
23	73.7	69.95	52	12	28	58	16	30	58	16	40
24	76.7	72.97	54	12	28	61	16	30	61	16	40
25	79.7	76.00	57	12	28	64	16	30	64	16	40
26	82.7	79.02	60	12	28	67	16	30	67	16	40
27	85.7	82.04	60	12	28	70	16	30	70	16	40
28	88.8	85.07	60	12	28	73	16	30	73	16	40
29	91.8	88.09	60	12	28	76	16	30	76	16	40
30	94.8	91.12	60	12	28	79	16	30	79	16	40
31	97.9	94.15	65	14	30	80	16	30	80	16	40
32	100.9	97.17	65	14	30	80	16	30	80	16	40
33	103.9	100.20	65	14	30	80	16	30	80	16	40
34	106.9	103.23	65	14	30	80	16	30	85	16	40
35	110.0	106.26	65	14	30	80	16	30	85	16	40
36	113.0	109.29	70	16	30	90	16	30	90	16	40
37	116.0	112.32	70	16	30	90	16	30	90	16	40
38	119.0	115.34	70	16	30	90	16	30	90	16	40
39	122.1	118.37	70	16	30	90	16	30	90	16	40
40	125.1	121.40	70	16	30	90	16	30	90	16	40
42	132.1	127.46	70	16	30	90	16	30	90	16	40
45	141.1	136.54	70	16	30	90	16	30	90	16	40
48	150.2	145.64	70	16	30	90	16	30	90	16	40
50	156.3	151.69	80	20	30	90	20	30	90	20	40
54	168.4	163.82	80	20	30	90	20	30	90	20	40
57	177.5	172.91	80	20	30	90	20	30	90	20	40
60	186.6	181.99	80	20	30	90	20	30	90	20	40



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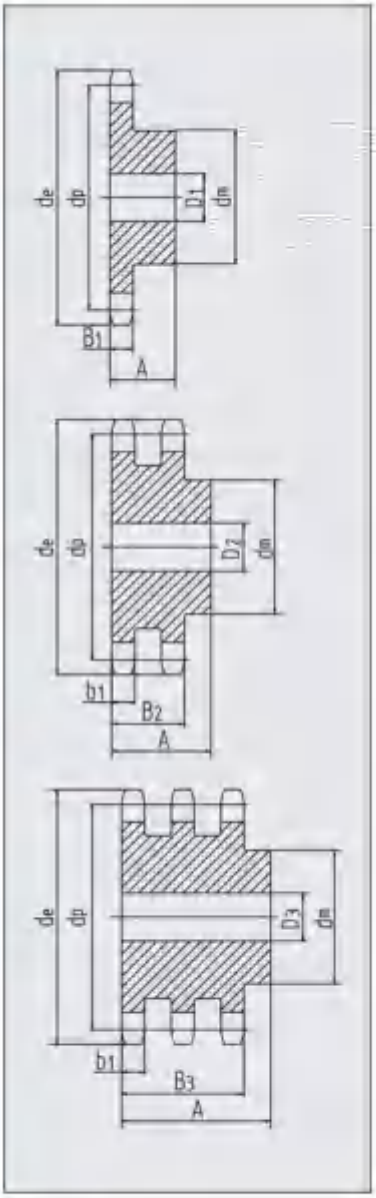
DRIVING PRECISION ROLLER CHAIN SPROCKET

	Sprocket Tooth Parameters(mm)		
08A GB1244-85 DIN8188 ISO/R 606 ANSI B 29. 1	Pitch	p	12. 70
	Roller Diameter	d-Φ	7. 95
	Radius of Arc	r	13. 5
	Chamfer Angle Width	C	1. 6
	Rear Width	B_1	7. 2
	Rear Width	b_1	7
	Rear Width	B_2	21. 4
	Rear Width	B_3	35. 8

Z	de	dp	Simplex			Duplex			Triplex		
			dm	D_1	A	dm	D_2	A	dm	D_3	A
8	39. 3	33. 18	20	10	25						
9	43. 2	37. 13	24	10	25						
10	47. 2	41. 10	26	10	25	28	10	32			
11	51. 2	45. 07	29	10	25	30	10	32			
12	55. 2	49. 07	33	10	25	35	12	35			
13	59. 2	53. 06	37	10	28	38	12	35			
14	63. 2	57. 07	41	10	28	42	12	35	42	16	50
15	67. 2	61. 09	45	10	28	46	12	35	46	16	50
16	71. 2	65. 10	50	12	28	50	16	38	50	16	50
17	75. 2	69. 11	52	12	28	54	16	38	54	16	50
18	79. 2	73. 14	56	12	28	58	16	38	58	16	50
19	83. 3	77. 16	60	12	28	62	16	38	62	16	50
20	87. 3	81. 19	64	12	28	66	16	38	66	16	50
21	91. 3	85. 22	68	14	28	70	16	40	70	16	55
22	95. 4	89. 24	70	14	28	70	16	40			
23	99. 4	93. 27	70	14	28	70	16	40			
24	103. 4	97. 29	70	14	28	75	16	40			
25	107. 4	101. 33	70	14	28	80	16	40	80	16	55
26	111. 5	105. 36	70	16	30	85	16	40			
27	115. 5	109. 40	70	16	30	85	16	40			
28	119. 5	113. 42	70	16	30	90	16	40			
29	123. 6	117. 46	80	16	30	90	16	40			
30	127. 6	121. 50	80	16	30	100	16	40	100	20	55
31	131. 6	125. 54	90	16	30	100	16	40			
32	135. 7	129. 59	90	16	30	100	16	40			
33	139. 7	133. 60	90	16	30	100	16	40			
34	143. 8	137. 64	90	16	30	100	16	40			
35	147. 8	141. 68	90	16	30	100	16	40			
36	151. 8	145. 72	90	16	35	100	20	40			
37	155. 9	149. 76	90	16	35	100	20	40			
38	159. 9	153. 80	90	16	35	100	20	40			
39	163. 9	157. 83	90	16	35	100	20	40			
40	168. 0	161. 87	90	16	35	100	20	40			
42	176. 6	169. 95	100	20	35	110	20	40			
45	188. 7	182. 07	100	20	35	110	20	40			
48	200. 8	194. 18	100	20	35	110	20	40			
50	208. 9	202. 26	100	20	35	110	20	40			
54	225. 0	218. 43	100	20	35	110	20	40			
57	237. 2	230. 54	100	20	35	110	20	40			
60	249. 3	242. 66	100	20	35	110	20	40			



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DRIVING PRECISION ROLLER CHAIN SPROCKET

08B

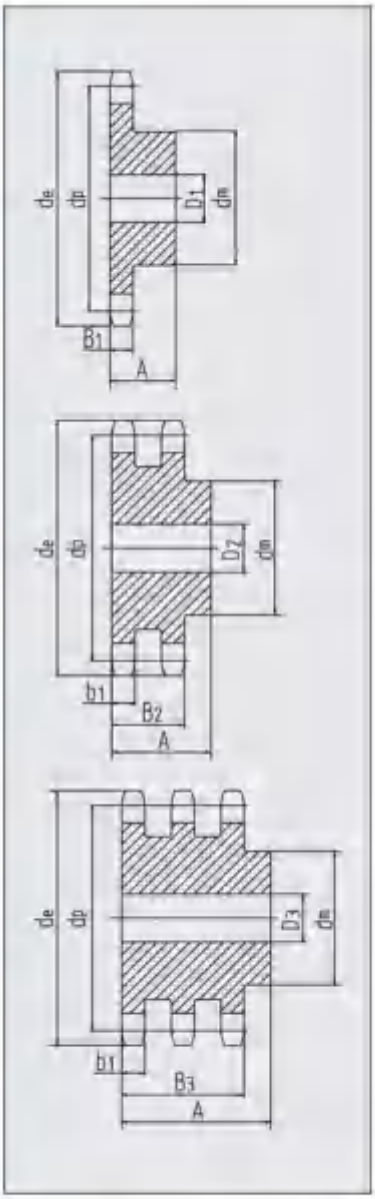
GB1244-85

DIN8187

ISO/R 606

Sprocket Tooth Parameters(mm)		
Pitch	p	12. 70
Roller Diameter	d-Φ	8. 51
Radius of Arc	r1	13
Chamfer Angle Width	C	1. 3
Rear Width	B1	7. 2
Rear Width	b1	7
Rear Width	B2	21
Rear Width	B3	34. 9

Z	de	dp	Simplex			Duplex			Triplex		
			dm	D1	A	dm	D2	A	dm	D3	A
8	38.0	33.18	20	10	25	20	10	32	20	10	46
9	42.0	37.13	24	10	25	24	10	32	24	12	46
10	45.9	41.10	26	10	25	28	10	35	28	12	46
11	49.9	45.07	29	10	25	32	12	35	32	16	50
12	53.9	49.07	33	10	28	35	12	35	35	16	50
13	57.9	53.06	37	10	28	38	12	35	38	16	50
14	61.9	57.07	41	10	28	42	12	35	42	16	50
15	65.9	61.09	45	10	28	46	12	35	46	16	50
16	69.9	65.10	50	12	28	50	16	38	50	16	50
17	74.0	69.11	52	12	28	54	16	38	54	16	50
18	78.0	73.14	56	12	28	58	16	38	58	16	50
19	82.0	77.16	60	12	28	62	16	38	62	16	50
20	86.0	81.19	64	12	28	66	16	38	66	16	50
21	90.1	85.22	68	14	28	70	16	40	70	16	55
22	94.1	89.24	70	14	28	70	16	40	70	16	55
23	98.1	93.27	70	14	28	70	16	40	70	16	55
24	102.1	97.29	70	14	28	75	16	40	75	16	55
25	106.2	101.33	70	14	28	80	16	40	80	16	55
26	110.2	105.36	70	16	30	85	16	40	85	20	55
27	114.2	109.40	70	16	30	85	16	40	85	20	55
28	118.3	113.42	70	16	30	90	16	40	90	20	55
29	122.3	117.46	80	16	30	95	16	40	95	20	55
30	126.3	121.50	80	16	30	100	16	40	100	20	55
31	130.4	125.54	90	16	30	100	20	40	110	20	55
32	134.4	129.56	90	16	30	100	20	40	110	20	55
33	138.4	133.60	90	16	30	100	20	40	110	20	55
34	142.5	137.64	90	16	30	100	20	40	110	20	55
35	146.5	141.68	90	16	30	100	20	40	110	20	55
36	150.6	145.72	90	16	35	100	20	40	120	25	55
37	154.6	149.76	90	16	35	100	20	40	120	25	55
38	158.6	153.80	90	16	35	100	20	40	120	25	55
39	162.7	157.83	90	16	35	100	20	40	120	25	55
40	166.7	161.87	90	16	35	100	20	40	120	25	55
42	176.5	169.95	90	16	35	100	20	40	120	25	55
45	188.6	182.07	90	16	35	100	20	40	120	25	55
48	200.7	194.18	90	16	35	100	20	40	120	25	55
50	208.8	202.26	100	20	35	110	20	40	120	25	55
54	225.0	218.43	100	20	35	110	20	40	120	25	55
57	237.1	230.54	100	20	35	110	20	40	120	25	55
60	249.2	242.68	100	20	35	110	20	40	120	25	55



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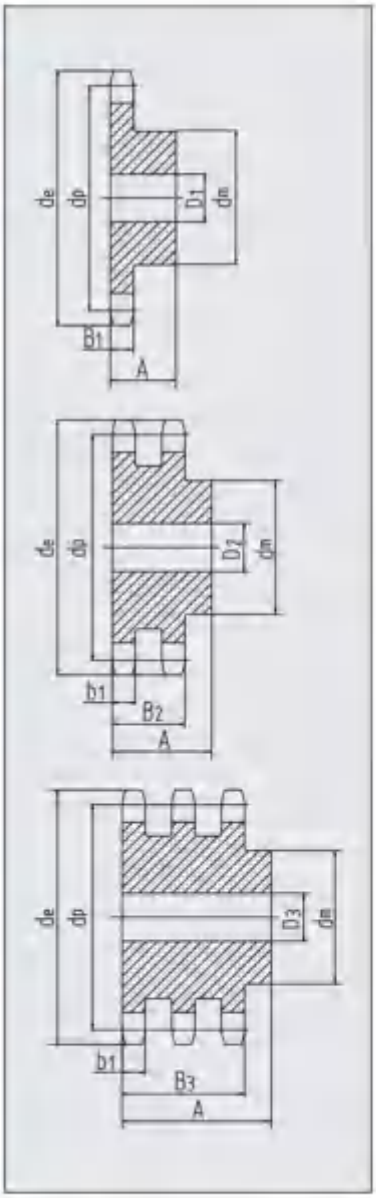
DRIVING PRECISION ROLLER CHAIN SPROCKET

10A
GB1244-85
DIN8188
ISO/R 606
ANSI B 29. 1

Sprocket Tooth Parameters(mm)		
Pitch	p	15.875
Roller Diameter	d-Φ	10.16
Radius of Arc	r_3	17
Chamfer Angle Width	C	2
Rear Width	B_1	87
Rear Width	b_1	8.4
Rear Width	B_2	26.5
Rear Width	B_3	44.6

Z	de	dp	Simplex			Duplex			Triplex		
			dm	D_1	A	dm	D_2	A	dm	D_3	A
8	48.4	41.48	25	10	25						
9	53.3	46.42	30	10	25						
10	58.3	51.37	35	10	25						
11	63.2	56.34	37	12	30	35	12	40			
12	68.2	61.34	42	12	30	40	16	40	44	16	55
13	73.2	66.32	47	12	30	44	16	40	50	16	55
14	78.2	71.34	52	12	30	49	16	40	54	16	55
15	83.2	76.36	57	12	30	54	16	40	59	16	60
16	88.3	81.37	60	12	30	59	16	45	64	16	60
17	93.3	86.39	60	12	30	64	16	45	69	16	60
18	98.3	91.42	70	14	30	69	16	45	74	16	60
19	103.3	96.45	75	14	30	74	16	45	79	16	60
20	108.3	101.49	75	14	30	79	16	45	84	16	60
21	113.4	106.52	80	16	30	84	16	45	85	20	60
22	118.4	111.55	80	16	30	85	20	45			
23	123.5	116.57	80	16	30	90	20	45	105	20	60
24	128.5	121.62	80	16	30	95	20	45			
25	133.6	126.66	80	16	30	100	20	45			
26	138.6	131.70	90	20	35	105	20	45			
27	143.6	136.75	90	20	35	110	20	45			
28	148.7	141.78	90	20	35	110	20	45	120	20	60
29	153.7	146.83	95	20	35	115	20	45			
30	158.8	151.87	95	20	35	115	20	45			
31	163.8	156.92	95	20	35	120	20	45			
32	168.9	161.95	95	20	35	120	20	45			
33	173.9	167.00	95	20	35	120	20	45			
34	178.9	172.05	100	20	35	120	20	45			
35	184.0	177.10	100	20	35	120	20	45			
36	189.0	182.15	100	20	35	120	20	45			
37	194.1	187.20	100	20	35	120	20	45			
38	199.1	192.24	100	20	35	120	20	45			
39	204.2	197.29	100	20	35	120	20	45			
40	209.2	202.34	100	20	35	120	20	45			
42	220.8	212.44	100	20	35	120	20	45			
45	236.0	227.58	110	20	35	120	20	45			
48	251.1	242.73	110	20	35	120	20	45			
50	261.2	252.92	110	25	35	120	20	45			
54	281.4	273.03	110	25	35	120	20	45			
57	296.6	288.18	110	25	35	120	20	45			
60	311.7	303.32	110	25	35	120	20	45			



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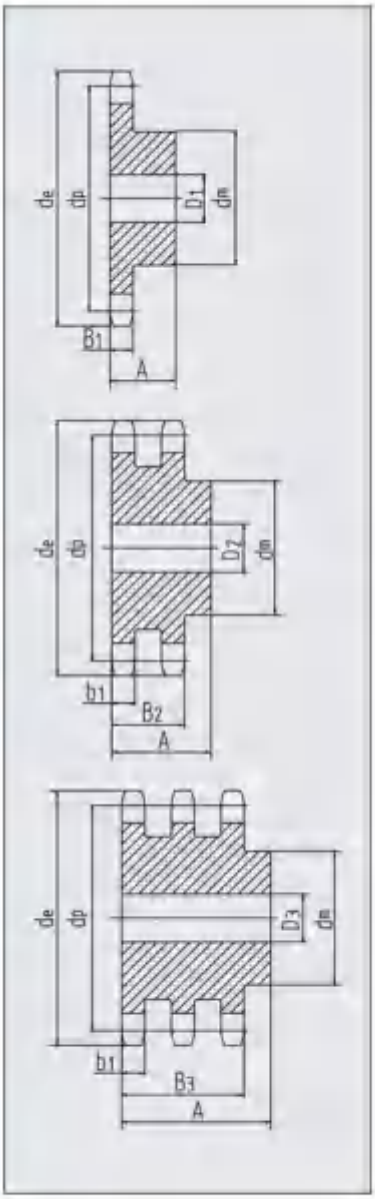
DRIVING PRECISION ROLLER CHAIN SPROCKET

12A
GB1244-85
DIN8188
ISO/R 606
ANSI B 29.1

Sprocket Tooth Parameters(mm)		
Pitch	p	19.05
Roller Diameter	d-Φ	11.91
Radius of Arc	r	20
Chamfer Angle Width	C	2.4
Rear Width	B_1	11.6
Rear Width	b_1	11.3
Rear Width	B_2	34.1
Rear Width	B_3	56.9

Z	de	dp	Simplex			Duplex			Triplex		
			dm	D_1	A	dm	D_2	A	dm	D_3	A
8	58.1	49.78	31	12	30						
9	64.0	55.70	37	12	30						
10	70.0	61.64	42	12	30	42	16	45			
11	76.0	67.61	46	16	35	47	16	50			
12	81.9	73.60	52	16	35	53	16	50	53	20	70
13	87.9	79.59	58	16	35	59	16	50	65	20	70
14	94.0	85.61	64	16	35	65	20	50	71	20	70
15	100.0	91.63	70	16	35	71	20	50	77	20	70
16	106.0	97.65	75	16	35	77	20	50	83	20	70
17	112.0	103.67	80	16	35	83	20	50	89	20	70
18	118.0	109.71	80	16	35	89	20	50	95	20	70
19	124.1	115.75	80	16	35	95	20	50	100	20	70
20	130.1	121.78	80	16	35	100	20	50	100	20	70
21	136.2	127.82	90	20	40	100	20	50			
22	142.2	133.86	90	20	40	100	20	50			
23	148.2	139.90	90	20	40	110	20	50			
24	154.3	145.94	90	20	40	110	20	50			
25	160.3	152.00	90	20	40	120	20	50			
26	166.4	158.04	95	20	40	120	20	50			
27	172.4	164.09	95	20	40	120	20	50			
28	178.5	170.13	95	20	40	120	20	50			
29	184.5	176.19	95	20	40	120	20	50			
30	190.6	182.25	95	20	40	120	20	50	120	25	70
31	196.6	188.31	95	20	40	120	20	50			
32	202.7	194.35	95	20	40	120	20	50			
33	208.8	200.40	95	20	40	120	20	50			
34	214.8	206.46	95	20	40	120	20	50			
35	220.9	212.52	95	20	40	120	20	50			
36	226.9	218.58	100	20	40	120	20	50			
37	233.0	224.64	100	20	40	120	20	50			
38	239.0	230.69	100	25	40	120	25	50			
39	245.1	236.75	100	25	40	120	25	50			
40	251.1	242.81	100	25	40	120	25	50			
42	265.2	254.93	100	25	40						
45	283.3	273.10	100	25	40						
48	301.5	291.27	100	25	40						
50	313.6	303.39	110	30	40						
54	337.9	327.64	110	30	40						
57	356.1	345.81	110	30	40						
60	374.2	363.99	110	30	40						



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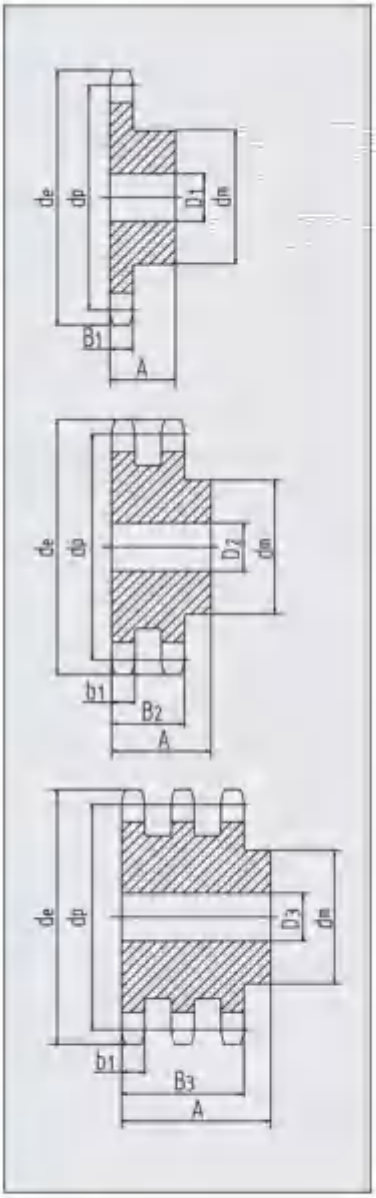
DRIVING PRECISION ROLLER CHAIN SPROCKET

16A
GB1244-85
DIN8188
ISO/R 606
ANSI B 29. 1

Sprocket Tooth Parameters(mm)		
Pitch	p	25.40
Roller Diameter	d-Φ	15.88
Radius of Arc	r≥	26
Chamfer Angle Width	C	3.2
Rear Width	B_1	14.6
Rear Width	b_1	14.1
Rear Width	B_2	43.4
Rear Width	B_3	72.7

Z	de	dp	Simplex			Duplex			Triplex		
			dm	D_1	A	dm	D_2	A	dm	D_3	A
8	77.9	66.37	42	16	35	42	20	65			
9	85.8	74.27	50	16	35	50	20	65			
10	93.8	82.19	55	16	35	56	20	65			
11	101.7	90.14	61	16	40	64	20	70			
12	109.7	98.14	69	16	40	72	20	70	52	25	100
13	117.7	106.12	78	16	40	80	20	70			
14	125.7	114.15	84	16	40	88	20	70			
15	133.7	122.17	92	16	40	96	20	70	96	25	100
16	141.8	130.20	100	20	45	104	25	70			
17	149.8	138.22	100	20	45	112	25	70	115	25	100
18	157.8	146.28	100	20	45	120	25	70			
19	165.9	154.33	100	20	45	128	25	70	128	25	100
20	173.9	162.38	100	20	45	130	25	70			
21	182.0	170.43	110	20	50	130	25	70	130	25	100
22	190.1	178.48	110	20	50	130	25	70			
23	198.1	186.53	110	20	50	130	25	70	130	25	100
24	206.2	194.59	110	20	50	130	25	70			
25	214.2	202.66	110	20	50	130	25	70	130	25	100
26	222.3	210.72	120	20	50	130	25	70			
27	230.4	218.79	120	20	50	130	25	70			
28	238.4	226.85	120	20	50	130	25	70			
29	246.5	234.92	120	20	50	130	25	70			
30	254.6	243.00	120	20	50	130	25	70			
31	262.6	251.08	120	25	50	140	25	70			
32	270.7	259.13	120	25	50	140	25	70			
33	278.8	267.21	120	25	50	140	25	70			
34	286.9	275.28	120	25	50	140	25	70			
35	294.9	283.36	120	25	50	140	25	70			
36	303.0	291.44	120	25	50	140	25	70			
37	311.1	299.51	120	25	50	140	25	70			
38	319.2	307.59	120	25	50	140	25	70			
39	327.2	315.67	120	25	50	140	25	70			
40	335.3	323.73	120	25	50	140	25	70			
42	357.7	339.90	120	25	50						
45	377.9	364.12	120	25	50						
48	402.1	388.36	120	25	50						
50	418.3	404.52	130	30	50						
54	450.6	436.85	130	30	50						
57	474.9	461.07	130	30	50						
60	499.1	485.32	130	30	50						



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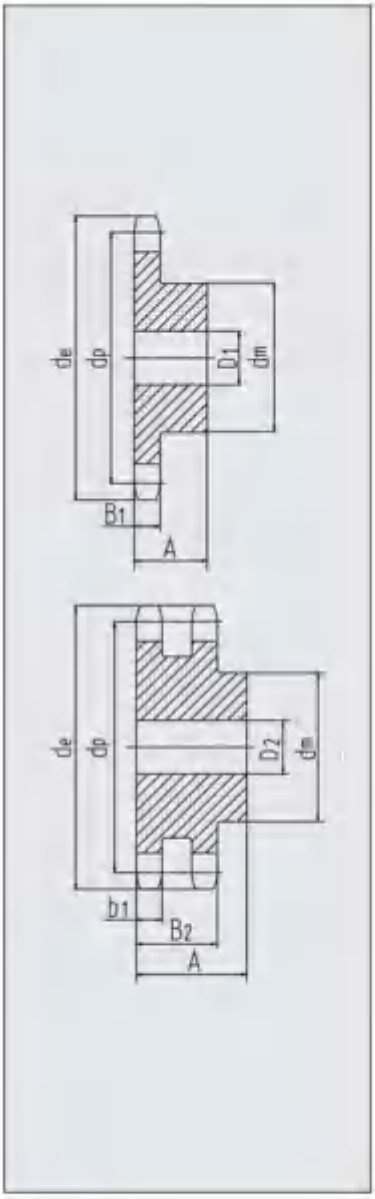
DRIVING PRECISION ROLLER CHAIN SPROCKET

20A
GB1244-85
DIN8188
ISO/R 606
ANSI B 29.1

Sprocket Tooth Parameters(mm)		
Pitch	p	31.75
Roller Diameter	d-Φ	19.05
Radius of Arc	r_3	33.5
Chamfer Angle Width	C	4
Rear Width	B_1	17.6
Rear Width	b_1	17.1
Rear Width	B_2	52.9
Rear Width	B_3	

Z	de	dp	Simplex			Duplex		
			dm	D_1	A	dm	D_2	A
8	96.0	82.96	53	20	40	53	20	75
9	106.5	92.84	63	20	40	63	20	75
10	117.0	102.74	70	20	40	70	20	75
11	127.0	112.68	77	20	45	80	25	80
12	137.0	122.68	88	20	45	90	25	80
13	147.5	132.65	98	20	45	100	25	80
14	157.6	142.68	108	20	45	110	25	80
15	167.7	152.72	118	20	45	120	25	80
16	177.7	162.75	120	25	50	120	30	80
17	187.8	172.78	120	25	50	120	30	80
18	197.8	182.85	120	25	50	120	30	80
19	207.9	192.91	120	25	50	120	30	80
20	217.9	202.98	120	25	50	120	30	80
21	228.0	213.04	140	30	55	140	30	80
22	238.1	223.11	140	30	55	140	30	80
23	248.2	233.17	140	30	55	140	30	80
24	258.3	243.23	140	30	55	140	30	80
25	268.4	253.33	140	30	55	140	30	80
26	278.4	263.40	150	30	55	150	30	80
27	288.5	273.48	150	30	55	150	30	80
28	298.5	283.56	150	30	55	150	30	80
29	308.6	293.65	150	30	55	150	30	80
30	318.7	303.75	150	30	55	150	30	80
31	328.8	313.85	150	30	55	150	30	80
32	338.9	323.91	150	30	55	150	30	80
33	349.0	334.01	150	30	55	150	30	80
34	359.1	344.10	150	30	55	150	30	80
35	369.2	354.20	150	30	55	150	30	80
36	379.3	364.30	150	30	55	150	30	80
37	389.3	374.39	150	30	55	150	30	80
38	399.4	384.49	150	30	55	150	30	80
39	409.5	394.59	150	30	55	150	30	80
40	419.6	404.66	150	30	55	150	30	80
42	440.8	424.88	150	30	55			
45	471.1	455.17	150	30	55			
48	501.4	485.46	150	30	55			
50	521.6	505.65	150	30	55			
54	562.0	546.07	150	30	55			
57	592.3	576.36	150	30	55			
60	622.6	606.65	150	30	55			



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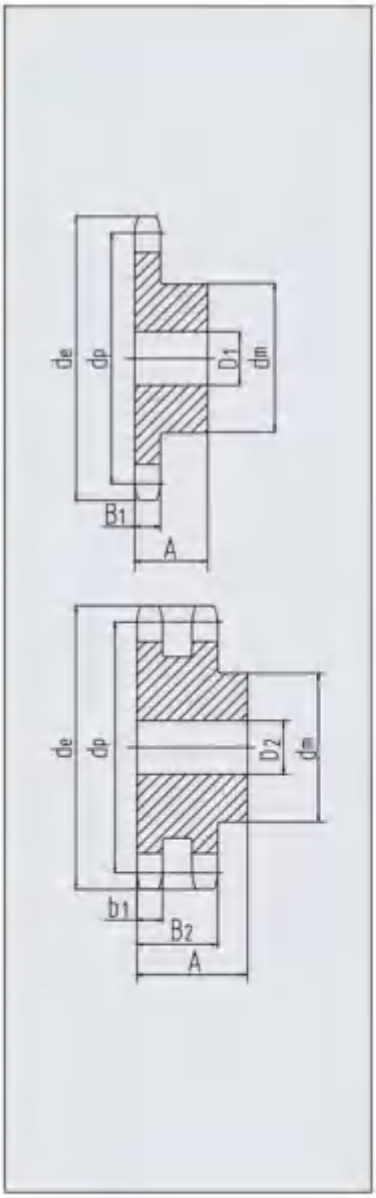
DRIVING PRECISION ROLLER CHAIN SPROCKET

	Sprocket Tooth Parameters(mm)		
24A GB1244-85 DIN8188 ISO/R 606 ANSI B 29. 1	Pitch	p	38.10
	Roller Diameter	d-Φ	22.23
	Radius of Arc	r_3	40.5
	Chamfer Angle Width	C	4.8
	Rear Width	B_1	23.5
	Rear Width	b_1	22.9
	Rear Width	B_2	68.3
	Rear Width	B_3	

Z	de	dp	Simplex			Duplex		
			dm	D_1	A	dm	D_2	A
8	113.0	99.55	58	20	45			
9	125.0	111.40	70	20	45			
10	137.0	123.29	80	20	45	80	25	95
11	149.0	135.21	90	25	50			
12	161.0	147.22	102	25	50	102	25	100
13	173.0	159.18	114	25	50	128	25	100
14	185.0	171.22	128	25	50	132	25	100
15	197.0	183.26	132	25	50	136	30	100
16	209.0	195.30	136	25	55	136	30	100
17	221.0	207.34	140	25	55	160	30	100
18	233.0	219.43	140	25	55	160	30	100
19	245.5	231.49	140	25	55			
20	257.5	243.57	140	25	55	160	30	100
21	270.5	255.65	150	30	60			
22	282.5	267.73	150	30	60			
23	294.5	279.80	150	30	60	160	30	100
24	307.0	291.88	150	30	60			
25	319.0	304.00	150	30	60			
26	331.0	316.08	150	30	60			
27	343.0	328.19	150	30	60			
28	355.0	340.27	150	30	60	160	30	100
29	367.5	352.38	150	30	60			
30	379.5	364.50	150	30	60			
31	391.5	376.62	150	30	60			
32	403.5	388.69	150	30	60			
33	415.5	400.81	150	30	60			
34	428.0	412.93	150	30	60			
35	440.0	425.40	150	30	60			
36	452.0	437.16	150	30	60			
37	464.0	449.27	150	30	60			
38	476.5	461.39	150	30	60			
39	488.5	473.50	150	30	60			
40	501.5	485.62	150	30	60			
42	525.5	509.85	150	30	60			
45	562.5	546.20	150	30	60			
48	598.5	582.55	150	30	60			
50	622.5	606.78	150	30	60			
54	671.0	655.25	150	30	60			
57	707.5	691.63	150	30	60			
60	745.0	727.97	150	30	60			



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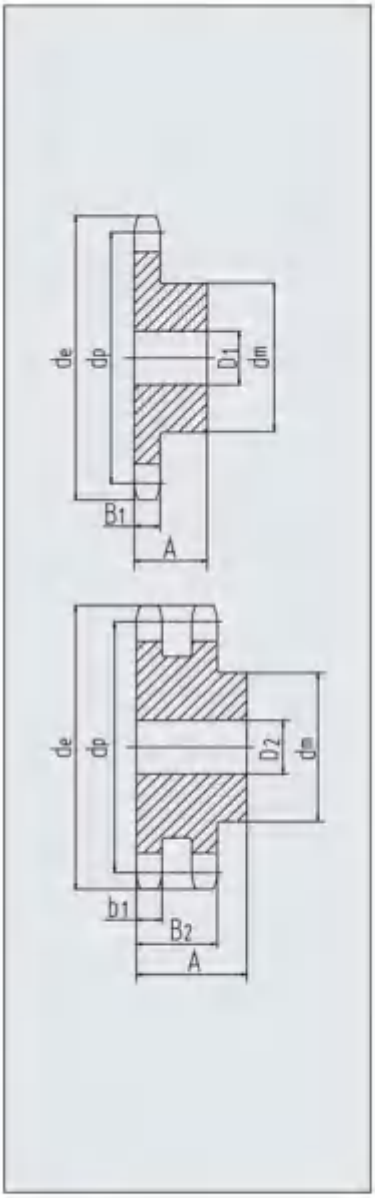
DRIVING PRECISION ROLLER CHAIN SPROCKET

28A
GB1244-85
DIN8188
ISO/R 606
ANSI B 29.1

Sprocket Tooth Parameters(mm)		
Pitch	p	44.45
Roller Diameter	d-Φ	25.40
Radius of Arc	r_3	47.50
Chamfer Angle Width	C	5.80
Rear Width	B_1	23.50
Rear Width	b_1	22.90
Rear Width	B_2	71.90
Rear Width	B_3	121.19

Z	de	dp	Simplex			Duplex		
			dm	D_1	A	dm	D_2	
8	132	116.15	74	25	70			
9	146	129.96	88	25	70			
10	160	143.85	100	25	70			
11	174	157.77	112	25	70			
12	188	171.74	125	25	70			
13	204	185.75	125	25	70	145	30	120
14	218	199.76	125	25	70	145	30	120
15	232	213.79	125	25	70	145	30	120
16	246	227.84	160	30	75	145	30	120
17	260	241.90	160	30	75	160	30	120
18	274	255.98	160	30	75	160	30	120
19	289	270.66	160	30	75	180	30	120
20	303	284.15	160	30	75	180	30	120
21	317	298.24	160	30	75	180	30	120
22	331	312.34	160	30	75			
23	345	326.44	160	30	75			
24	359	340.55	160	30	75			
25	373	354.66	160	30	75			
26	387	368.77	160	30	75			
27	401	382.88	160	30	75			
28	416	397.00	160	30	75			
29	430	411.12	160	30	75			
30	444	425.24	160	30	75			
31	458	439.37	180	30	75			
32	472	453.49	180	30	75			
33	486	467.62	180	30	75			
34	500	481.75	180	30	75			
35	514	495.88	180	30	75			
36	529	510.01	180	30	75			
37	543	524.13	180	30	75			
38	557	538.27	180	30	75			
39	571	552.40	180	30	75			
40	585	566.54	180	30	75			
42 45 48	656	637.22	180	30	75			
50 54	726	707.91	180	30	75			
57	825	806.90	180	30	75			
60	869	849.32	180	30	75			



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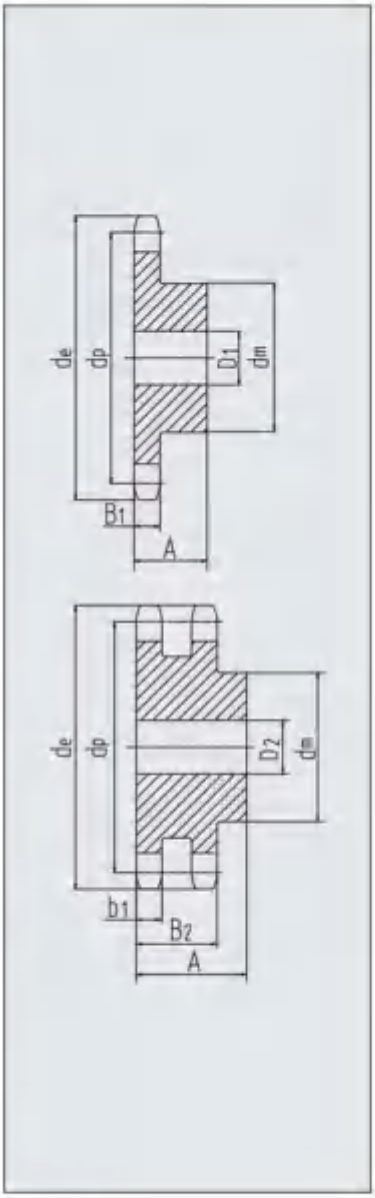
DRIVING PRECISION ROLLER CHAIN SPROCKET

32A
GB1244-85
DIN8188
ISO/R 606
ANSI B 29. 1

Sprocket Tooth Parameters(mm)		
Pitch	p	50.80
Roller Diameter	d-Φ	28.58
Radius of Arc	r_z	54
Chamfer Angle Width	C	7
Rear Width	B_1	29.30
Rear Width	b_1	28.60
Rear Width	B_2	87.50
Rear Width	B_3	

Z	de	dp	Simplex			Duplex		
			dm	D_1	A	dm	D_2	A
8	152	132.74	85	30	80			
9	168	148.54	100	30	80			
10	184	164.39	115	30	80			
11	200	180.31	125	30	80			
12	216	196.29	133	30	80	135	40	140
13	235	212.29	145	30	80	145	40	140
14	251	228.29	145	30	80	145	40	140
15	267	244.30	145	30	80	150	40	140
16	283	260.40	160	30	90	160	40	140
17	299	276.46	160	30	90	180	40	140
18	315	292.55	160	30	90	180	40	140
19	331	308.66	160	30	90	180	40	140
20	347	324.71	180	30	90	180	40	140
21	363	340.82	180	40	90	200	40	140
22	379	356.98	180	40	90			
23	396	373.08	180	40	90	200	40	140
24	412	398.18	180	40	90			
25	428	405.33	180	40	90	200	40	140
26	444	421.44	180	40	90			
27	460	437.59	180	40	90			
28	476	453.69	180	40	90			
29	492	469.85	180	40	90			
30	508	486.00	180	40	90	220	40	140
31	525	502.13	200	40	90			
32	541	518.27	200	40	90			
33	557	534.42	200	40	90			
34	573	550.56	200	40	90			
35	589	566.71	200	40	90			
36	605	582.86	200	40	90			
37	622	599.01	200	40	90			
38	638	615.16	200	40	90			
39	654	631.31	200	40	90			
40	670	647.47	200	40	90			
42 45 48	751	728.24	220	45	90			
50	832	809.04	220	45	90			
54 57 60	945 993	922.16 970.65	240 240	45 45	90 90			



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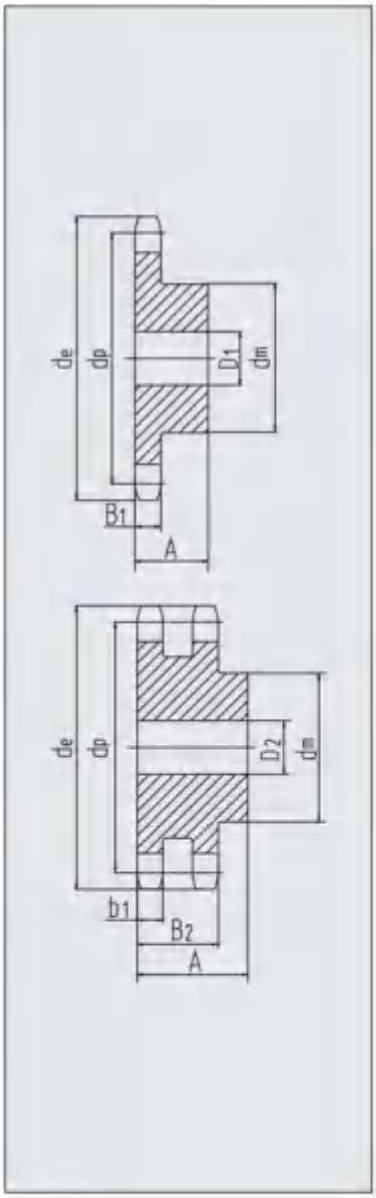
DRIVING PRECISION ROLLER CHAIN SPROCKET

40A
GB1244-85
DIN8188
ISO/R 606

Sprocket Tooth Parameters(mm)		
Pitch	p	63.50
Roller Diameter	d-Φ	39.68
Radius of Arc	r_3	66
Chamfer Angle Width	C	9
Rear Width	B_1	35.28
Rear Width	b_1	34.50
Rear Width	B_2	106.2
Rear Width	B_3	

Z	de	dp	Simplex			Duplex		
			dm	D_1	A	dm	D_2	A
8								
9								
10	233.68	205.49	140	40	75			
11	254.08	225.39	150	40	75	150	40	150
12	275.08	245.35	160	40	75	160	40	160
13	295.66	265.34	180	40	75	180	40	160
14	321.07	285.37	190	40	90	200	40	160
15	336.80	305.42	200	40	90	220	40	160
16	357.38	325.49	200	40	90	220	40	170
17	377.70	345.59	200	40	90	220	40	170
18	398.27	365.68	200	40	90	220	40	170
19	418.60	385.80	200	40	90	220	40	170
20	439.17	405.92	200	40	90	220	40	170
21	459.49	426.05	200	40	90	220	40	170
22	479.81	446.19	215	40	100	220	40	170
23	500.17	446.34	215	40	100	220	40	170
24	520.45	486.49	215	40	100	220	40	170
25	540.77	506.65	215	40	100	220	40	170
26	561.09	526.81	215	40	115	220	40	170
27	581.41	546.98	215	40	115	220	40	170
28	601.73	567.14	215	40	115	220	40	170
29								
30	642.37	607.49	215	40	115	220	40	170
31								
32	682.75	647.85	215	40	115	220	40	170
33								
34								
35	743.71	708.39	215	40	115	220	40	170
36								
37								
38	804.52	768.96	215	40	115	220	40	170
39								
40	845.06	809.34	230	40	125	220	40	170
42								
45	946.15	910.31	230	40	125			
48								
50								
54	1128.27	1092.10	230	40	125			
57								
60	1249.68	1213.31	230	40	125			



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16A Stereo garage Chain

530 Motorcycle Chain

Motorcycle Chain

Motorcycle Sprocket

24A Sprocket

Diesel Engine Gear

Worm

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Helical Gear

Spiral bevel Gear

Traction Chain

Hand Pulling Block

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QUALITY ASSURANCE

QINGDAO STAR MACHINE TECHNOLOGY CO., LTD.

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