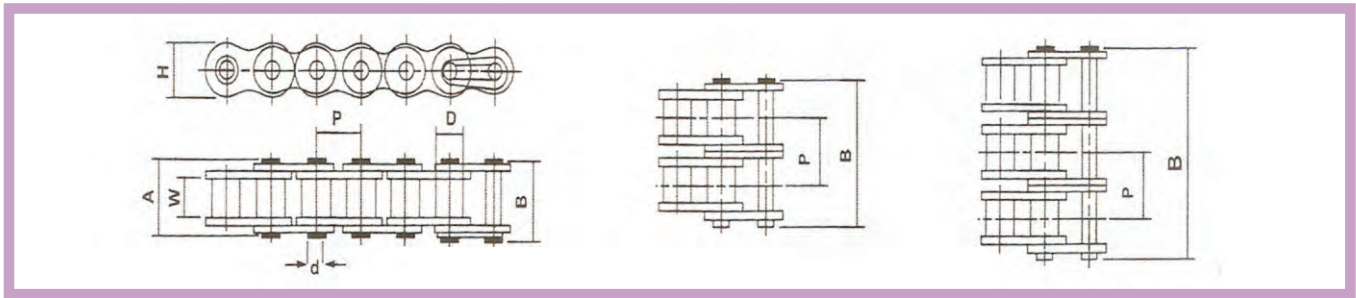


DIAMOND PRECISION ROLLER CHAINS

TO ISO 606/DIN 8187/BS 228 STANDARDS

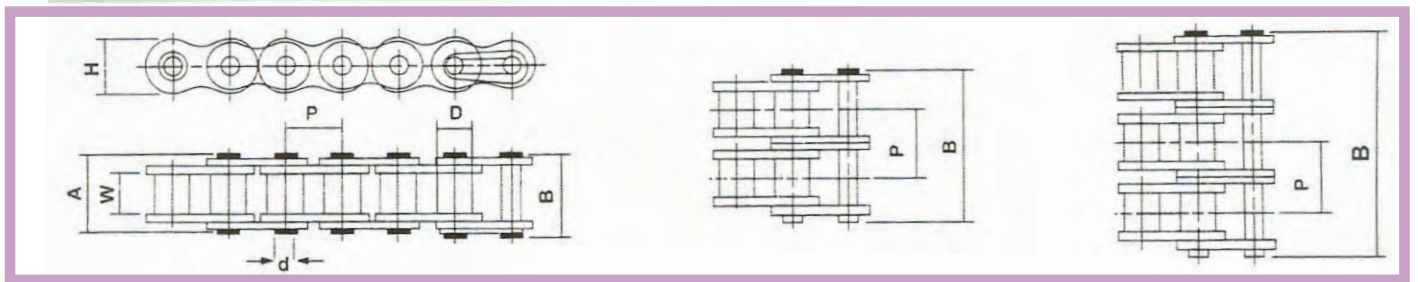


Diamond Chain No.	No. Of Strands	ISO/DIN/BS NO.	Pitch (P)	WIP (W) (Min)	Roller Dia (D) (Max)	Plate Depth (H) (Max)	Plate Thickness		Pin Dia (d) (Max)	B/Pin Length (A) (Max)	C/Pin Length (B) (Max)	Transverse Pitch (p)	Average Weight (kg/m)	Tensile Strength (Min) (kgf)
							IP	OP						
D 061***	01	06B-1	9.525	5.72	6.35	8.26	1.25	1.00	3.28	13.50	16.80	10.24	0.42	920
	02	06B-2								23.80	27.10		0.78	1,725
	03	06B-3								34.00	37.30		1.16	2,540
D 083	01	08B-1	12.70	7.75	8.51	11.81	1.58	1.50	4.45	17.00	20.90	13.92	0.72	1,840
	02	08B-2								31.00	34.90		1.37	3,270
	03	08B-3								44.90	48.80		2.03	4,850
D 101	01	10B-1	15.875	9.65	10.16	14.73	1.58	1.58	5.08	19.60	23.70	16.59	0.92	2,290
	02	10B-2								36.20	40.30		1.82	4,540
	03	10B-3								52.80	56.90		2.72	6,810
D 120	01	12B-1	19.05	11.68	12.07	16.13	1.81	1.76	5.72	22.70	23.70	19.46	1.16	2,960
	02	12B-2								42.20	40.30		2.27	5,900
	03	12B-3								61.70	66.30		3.42	8,850
D 160	01	16B-1	25.40	17.02	15.88	21.80	4.00	3.05	8.28	36.10	41.50	31.88	2.69	6,120
	02	16B-2								68.00	73.40		5.3	11,600
	03	16B-3								99.90	105.30		7.92	17,400
D 200	01	20B-1	31.75	19.56	19.05	26.42	4.65	3.53	10.19	43.20	49.30	36.45	3.91	9,690
	02	20B-2								79.70	85.80		7.72	17,330
	03	20B-3								116.10	122.20		11.53	25,490
D 240	01	24B-1	38.10	25.40	25.40	33.40	6.00	5.00	14.63	53.40	60.00	48.36	7.16	16,310
	02	24B-2								108.40	108.40		14.15	28,550
	03	24B-3								156.80	156.80		21.15	43,330
D 280	01	28B-1	44.45	30.99	27.94	37.08	7.00	6.00	15.90	65.10	72.50	59.56	7.53	20,390
	02	28B-2								124.70	132.10		14.96	36,700
	03	28B-3								184.30	191.70		22.39	54,030
D 320	01	32B-1	50.80	38.10	29.21	42.29	7.00	6.00	17.81	67.40	75.30	58.55	9.84	25,500
	02	32B-2								126.00	133.90		19.68	45,880
	03	32B-3								184.50	192.40		29.52	68,300
D 400	01	40B-1	63.50	38.10	39.37	52.96	7.90	7.90	22.89	82.60	9.80	72.29	16.99	36,190
	02	40B-2								154.90	165.10		33.61	64,220
	03	40B-3								227.20	237.40		50.23	96,840
D 480	01	48B-1	76.20	45.72	48.26	63.88	11.12	9.10	29.24	99.10	109.60	91.21	23.92	57,090
	02	48B-2								190.40	200.90		47.48	1,01,940
	03	48B-3								281.60	292.10		71.05	1,52,910

** Straight sided plates

Dimensions in mm

DIAMOND PRECISION ROLLER CHAINS TO ISO 606/DIN 8188/ANSI B29.1 STANDARDS



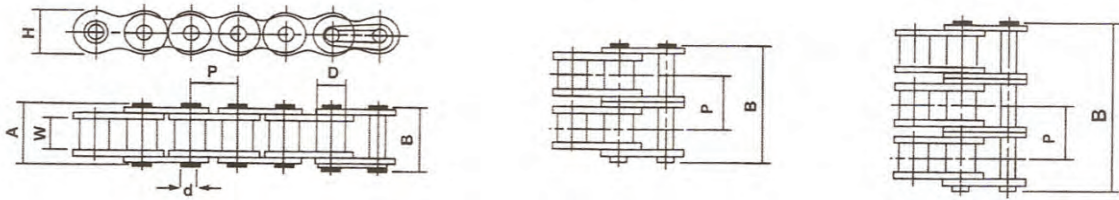
Diamond Chain No.	No. Of Strands	ISO/DIN NO.	ASA No.	Pitch (P)	WIP (W) (Min)	Roller Dia (D) (Max)	Plate Depth (H) (Max)	Plate Thickness		Pin Dia (d) (Max)	B/Pin Length (A) (Max)	C/Pin Length (B) (Max)	Transverse Pitch (p,)	Average Weight (kg/m)	Tensile Strength (Min) (kgf)
								IP	OP						
B 06 A	01		35	9.525	4.68	5.08*	8.26	1.25	1.25	3.59	14.00	17.20	10.13	0.32	800
	02		35-2								24.20	27.40			
	03										34.30	37.50			
D 08 A	01	08A-1	40	12.70	7.85	7.92	12.07	1.50	1.50	3.97	17.40	21.30	14.38	0.67	1,440
	02	08A-2	40-2								30.60	34.50			
	03	08A-3	40-3								45.30	49.20			
D 08 D	01	-	41	12.70	6.25	7.77	9.68	1.25	1.25	3.59	15.50	18.70	-	0.42	910
D 102	01	10A-1	50	15.875	9.40	10.16	15.09	2.00	2.00	5.08	20.20	24.30	18.11	1.06	2,270
	02	10A-2	50-2								38.50	42.60			
	03	10A-3	50-3								56.80	60.90			
D 121	01	12A-1	60	19.05	12.58	11.91	18.08	2.39	2.39	5.96	26.90	31.50	22.78	1.57	3,240
	02	12A-2	60-2								49.70	54.30			
	03	12A-3	60-3								72.60	77.20			
D 161	01	16A-1	80	25.40	15.75	15.87	24.13	3.15	3.05	7.94	33.50	38.90	29.29	2.63	5,780
	02	16A-2	80-2								62.70	68.10			
	03	16A-3	80-3								91.90	97.30			
D 201	01	20A-1	100	31.75	18.90	19.05	30.18	4.00	4.00	9.54	41.10	47.20	35.76	4.01	9,030
	02	20A-2	100-2								77.00	83.10			
	03	20A-3	100-3								113.00	119.10			
D 241	01	24A-1	120	38.10	25.23	22.22	36.20	4.75	4.75	11.11	50.80	57.40	45.44	5.74	12,950
	02	24A-2	120-2								96.30	102.90			
	03	24A-3	120-3								141.70	148.30			
D 281	01	28A-1	140	44.45	25.23	25.40	42.24	5.56	5.56	12.71	54.90	62.30	48.87	7.66	17,580
	02	28A-2	140-2								103.60	111.00			
	03	28A-3	140-3								152.40	159.80			
D 321	01	32A-1	160	50.80	31.55	28.57	48.26	6.35	6.35	14.29	65.50	73.40	58.55	9.84	23,120
	02	32A-2	160-2								124.20	132.10			
	03	32A-3	160-3								182.90	190.80			
D 401	01	40A-1	200	63.50	37.85	39.67	60.33	7.90	7.90	19.85	80.30	90.50	71.55	16.88	36,070
	02	40A-2	200-2								151.90	162.10			
	03	40A-3	200-3								223.70	233.70			
D 481	01	48A-1	240	76.20	47.35	47.62	72.40	9.52	9.52	23.81	95.50	106.00	87.83	23.09	53,050
	02	48A-2	240-2								183.40	193.90			
	03	48A-3	240-3								271.30	281.80			

** Bushing diameter- chain has no rollers

Dimensions in mm

DIAMOND HEAVY SERIES ROLLER CHAINS

TO ANSI B29.1 STANDARDS



Diamond Chain No.	No. Of Strands	ASA No.	Pitch (P)	WIP (W) (Min)	Roller Dia (D) (Max)	Plate Depth (H) (Max)	Plate Thickness		Pin Dia (d) (Max)	B/Pin Length (A) (Max)	C/Pin Length (B) (Max)	Transverse Pitch (p,)	Average Weight (kg/m)	Tensile Strength (Min) (kgf)
							IP	OP						
D 122	01	60H	19.05	12.58	11.91	18.08	3.15	3.15	5.96	31.20	35.80	26.11	1.87	3,240
	02	60H-2								56.10	60.70		3.71	6,480
	03	60H-3								82.20	86.80		5.54	9,720
D 162	01	80H	25.40	15.75	15.87	24.13	4.00	4.00	7.94	28.00	43.40	32.59	3.18	5,780
	02	80-2								70.50	75.90		6.29	11,560
	03	80H-3								103.30	108.70		9.40	17,340
D 202	01	100H	31.75	18.90	19.05	30.18	4.75	4.75	9.54	45.40	51.50	39.09	4.38	9,030
	02	100 H-2								84.00	90.10		8.67	18,060
	03	100 H-3								123.40	129.50		12.96	27,090
D 242	01	120H	38.10	25.23	22.22	36.20	5.56	5.56	11.11	55.10	61.70	48.87	6.61	12,950
	02	120 H-2								103.00	110.40		13.13	25,900
	03	120 H-3								152.40	159.00		19.64	38,850
D 282	01	140H	44.45	25.23	25.40	42.24	6.35	6.35	12.71	60.40	67.80	52.20	8.33	17,580
	02	140 H-2								112.20	119.60		16.52	35,160
	03	140 H-4								164.30	171.70		24.73	52,740
D 322	01	160H	50.80	31.55	28.57	48.26	7.14	7.14	14.29	70.00	77.90	61.90	10.88	23,120
	02	160 H-2								132.00	139.90		21.32	46,240
	03	160 H-3								193.70	201.60		31.77	69,360
D 402	01	200H	63.50	37.85	39.67	60.33	9.52	9.52	19.85	93.10	103.30	78.31	20.65	36,070
	02	200 H-2								170.60	180.80		39.26	72,140
	03	200 H-3								252.60	262.80		60.79	1,08,210

Dimensions in mm

DIAMOND – STANDARD CHAINS

Diamond Chain No.	No. Of Strands	ISO/DIN NO.	Pitch (P)	WIP (W) (Min)	Roller Dia (D) (Max)	Plate Depth (H) (Max)	Plate Thickness		Pin Dia (d) (Max)	B/Pin Length (A) (Max)	C/Pin Length (B) (Max)	Average Weight (kg/m)	Tensile Strength (Min) (kgf)
							IP	OP					
B04H	01	-	6.35	3.18	3.30*	5.83	1.00	1.00	2.30	8.97	9.66	0.16	490
B04K"	01	-	6.35	3.18	3.30*	5.83	1.00	0.75	2.30	8.97	9.66	0.16	490
D080	01	081	12.70	3.30	7.75	9.91	1.00	1.00	3.63	10.20	11.70	0.28	816
D081	01	-	12.70	4.88	7.75	9.91	1.00	1.00	3.62	11.70	13.10	0.33	820
D282	01	-	12.70	5.21	8.51	11.81	1.58	1.50	4.46	14.46	18.38	0.63	1820
D087	01	-	12.70	5.15	7.75	11.15	1.37	1.37	4.06	12.90	14.40	0.50	1400
D100	01	-	15.875	6.48	10.16	14.73	1.58	1.58	5.07	16.43	20.53	0.80	2270

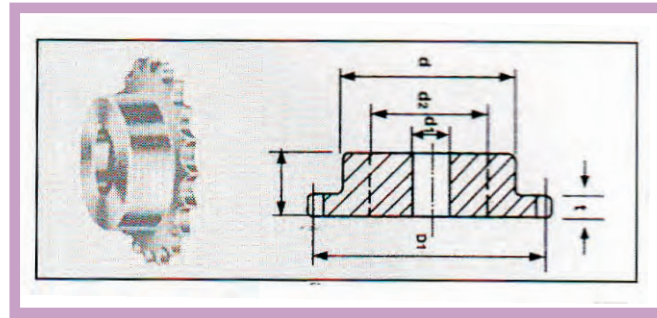
** Straight sided Plates

* Bushing diameter – chain has no rollers.

Dimensions in mm

DRIVES & DRIVES SPROCKETS AND PINIONS for Precision Roller Chains Simplex

Sprocket Wheels are manufactured from quality materials. Teeth are hob – cut for correct tooth form, tooth thickness and Profile. Assuring maximum life of chain and Sprocket Wheel. Though the tables are given upto 1” pitch, can hob sprockets upto 2 ½” pitch in British/ American standard of any no. of strands. Plate type sprockets can also be supplied in all sizes as per customers requirements. Sprockets can be teeth induction hardened / volume hardened as per customers requirement.



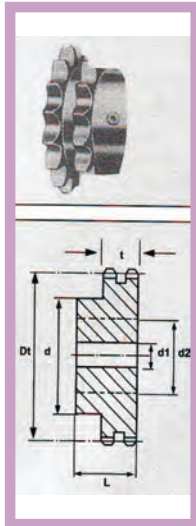
No. OF TEETH		13	15	17	19	20	21	23	25	27	30	38	45	57	76	95	114	150
Chain 3/8" x 7/32" 6.35mm R∅ τ = 5.25	Dmm	39.8	45.81	51.84	57.87	60.89	63.91	69.95	76	82.05	91.12	115.34	136.55	172.91	230.49	288.08	345.68	454.82
	dmm	28	34	40	45	46	50	55	60	62	75	70	75	75	75	85	85	95
	L mm	24	24	28	28	28	28	28	28	28	28	32	32	32	32	40	40	45
	d1 mm	10	10	10	12	12	12	12	12	12	12	20	20	20	20	20	20	24
	d2 mm	19	22	26	30	30	33	36	40	43	50	46	50	50	50	56	56	63
Weight kgs.	0.12	0.15	0.3	0.39	0.43	0.5	0.6	0.75	0.8	0.9	1.11	1.45	1.8	2.0	4.2	5.56		
Chain 1/2" x 5/16" 8.15mm R∅ τ = 7.0	Dmm	53.07	61.08	69.12	77.16	81.18	85.21	93.27	101.33	109.4	121.5	153.89	182.06	230.54	307.32	384.11	460.91	
	dmm	37	45	53	60	60	60	60	60	70	75	95	95	95	95	95	95	95
	L mm	24	24	24	28	28	28	28	28	30	30	40	40	40	40	45	45	45
	d1 mm	12	12	12	12	12	12	16	16	16	16	20	20	20	25	25	25	25
	d2 mm	24	30	35	40	40	40	40	40	46	50	63	63	63	63	63	63	63
Weight kgs.	0.32	0.4	0.5	0.66	0.77	0.88	1.2	1.3	1.7	2.5	2.26	2.6	3.3	5.3	8.0	9.7		
Chain 5/8" x 3/8" 10.16mm R∅ τ = 8.8	Dmm	66.34	76.35	86.39	96.45	101.48	106.5	116.58	126.66	136.74	151.87	192.24	277.58	288.18	384.16	480.14	576.13	
	dmm	47	57	70	70	70	80	80	75	75	85	95	95	95	95	95	95	95
	L mm	28	28	30	30	30	30	30	30	35	35	40	40	45	50	56	56	56
	d1 mm	12	12	16	16	16	16	16	16	16	20	25	25	25	25	25	25	25
	d2 mm	31	37	46	46	46	53	53	50	50	56	63	63	63	63	63	63	63
Weight kgs.	0.58	0.86	1.1	1.45	1.7	1.95	2.4	2.88	3.4	4.1	4.9	6.1	7.6	11.15	15.8	21.5		
Chain 3/4" x 7/16" 12.07mm R∅ τ = 10.8	Dmm	79.6	91.6	103.6	115.74	121.78	127.82	139.9	151.99	164.09	182.25	230.69	273.09	345.8	460.98	576.17	691.36	
	dmm	58	70	75	85	85	85	85	85	95	95	95	95	95	95	95	95	95
	L mm	30	30	35	35	35	40	40	40	40	40	56	56	56	56	65	65	65
	d1 mm	16	16	16	16	16	20	20	20	20	20	20	20	20	25	25	25	25
	d2 mm	38	46	50	56	56	56	56	56	63	63	63	63	63	63	63	63	63
Weight kgs.	0.6	0.9	1.2	2.4	2.4	2.75	3.42	4.15	4.9	4.4	5.2	6.4	8.7	10.7	19.2	23.6		
Chain 1" x 17.02" 15.88mm R∅ τ = 15.8	Dmm	106.14	122.17	138.23	154.32	162.38	170.42	186.54	202.66	218.79	248	307.58	364.12	461.08	614.64	768.22	921.81	
	dmm	76	95	95	105	105	105	105	105	120	120	120	135	135	140	140	140	140
	L mm	40	40	45	45	45	50	50	50	50	50	65	70	70	80	80	80	80
	d1 mm	16	16	16	16	16	20	20	20	20	20	20	20	20	25	25	25	25
	d2 mm	50	63	63	70	70	70	70	70	80	80	80	90	90	93	93	93	93
Weight kgs.	1.9	2.9	3.9	5.3	6.0	6.75	8.15	9.85	9.95	10.0	11.8	15.0	20.2	25.8	36.7	45.0		
Chain 1-1/4" x 3.4" 19.05mm R∅ τ = 18.0	Dmm	132.68	152.69	172.75	192.91	202.98	213.01	233.17	253.33	273.49	308.75	384.46	455.16	576.86	768.32	960.28		
	dmm	100	120	120	120	120	120	120	120	150	150	160	160	160	170	180	180	180
	L mm	50	50	60	60	60	60	60	60	60	60	80	80	90	90	100	100	100
	d1 mm	30	30	30	30	30	30	30	30	30	30	30	30	40	45	45	45	45
	d2 mm	66	80	80	80	80	80	80	80	80	100	100	106	106	113	113	120	120
Weight kgs.	4.08	6.0	6.2	7.2	8.0	10.1	11.6	12.8	13.5	14.8	22	25.75	32.3	52.0	74.0			
Chain 1-1/2" x 1" 25.4mm R∅ τ = 23.0	Dmm	159.22	183.22	207.3	231.49	243.5	255.61	279.81	304	328.19	364.5	461.35	546.18	691.63	921.98	1152.33		
	dmm	120	120	130	130	130	130	130	130	150	150	170	170	190	200	210	210	210
	L mm	75	75	75	75	75	75	75	75	75	75	100	100	100	100	120	120	120
	d1 mm	40	40	40	40	40	40	40	40	40	40	45	45	50	60	60	60	60
	d2 mm	80	80	86	86	86	86	86	86	86	86	100	113	113	126	133	133	133
Weight kgs.	6.7	9.7	11.1	12.1	12.8	14.3	15.9	16.9	20.0	24.0	35.5	40.1	48.0	84.0	121.0			

ONE PIECE CONSTRUCTION ← → WELDED CONSTRUCTION

DRIVES & DRIVES SPROCKETS AND PINIONS for Precision Roller Chains Duplex & Triplex

No. Of TEETH		13	17	19	21	23	25	38	57	76	95	114	150
Chain 3/8" x 7/32" 6.35mm R.Ø t = 5.25	Dtmm	39.75	51.84	57.86	63.9	69.95	76	115.34	172.9	230.48	288.09	345.67	454.81
	dmm	28	40	46	52	58	64	90	85	85	95	95	105
	L mm	25	30	30	30	30	30	40	40	40	45	45	50
	d1 mm	12	12	12	12	12	12	20	20	20	20	20	24
	d 2 mm	19	26	30	34	38	42	60	56	56	63	63	70
Weight kgs.	0.13	0.35	0.4	0.5	0.65	0.75	1.95	3.41	2.5	3.4	6.15	7.75	11.65
Chain 1/2" x 5/16" 8.15 mm R.Ø t = 7.0	Dtmm	53.06	69.11	77.17	85.22	93.27	101.32	153.80	230.53	307.31	384.10	460.91	
	dmm	37	50	60	70	75	80	105	105	105	105	105	
	L mm	35	35	35	40	40	40	45	50	56	56	56	
	d1 mm	12	12	12	16	16	16	20	25	25	25	25	
	d 2 mm	24	33	40	46	50	53	70	70	70	70	70	
Weight kgs.	0.43	0.51	0.96	1.25	1.53	1.81	3.41	4.47	6.52	10.1	13.48		
Chain 3/4" x 7/16 " 12.07mm R.Ø t = 30.8	Dtmm	79.6	103.68	115.75	127.81	139.90	151.99	230.68	345.82	460.88	576.17	691.36	
	dmm	58	75	85	100	105	105	120	130	145	160	170	
	L mm	50	50	50	50	50	50	63	63	63	70	70	
	d1 mm	16	16	16	20	20	20	25	25	25	40	40	
	d 2 mm	38	50	56	66	70	70	80	86	96	106	113	
Weight kgs.	0.85	1.9	3.00	3.8	4.8	5.8	9.5	16.0	21.5	33.4	42.8		
Chain 1" x 17.02" 15.88mm R.Ø t = 47.2	Dtmm	106.15	138.23	154.33	170.41	186.54	202.67	307.59	461.08	614.63	768.22	921.82	
	dmm	76	100	105	105	120	120	120	150	150	175	175	
	L mm	70	70	70	70	70	70	75	90	95	95	95	
	d1 mm	16	16	20	25	25	25	25	30	40	40	40	
	d 2 mm	50	66	70	70	80	80	80	100	100	116	116	
Weight kgs.	3.5	5.7	8.2	10.6	12.4	15.0	21.7	32.8	52.4	68.3	90.0		

ONE PIECE CONSTRUCTION ← → WELDED CONSTRUCTION



Chain 3/8" x 7/32" 15.88mm R.Ø t = 15.8	Dtmm	39.75	51.84	57.86	63.9	69.95	76	115.34	172.9	230.48	288.09	345.67
	dmm	28	40	46	52	58	64	90	95	95	95	120
	L mm	35	35	35	40	40	40	56	56	56	56	60
	d1 mm	10	12	12	12	12	12	24	24	24	24	24
	d 2 mm	19	26	30	34	38	42	60	63	63	63	80
Weight kgs.	0.23	0.43	0.48	0.64	0.88	1.0	3.14	4.6	6.85	8.85	11.3	
Chain 1/2" x 5/16" 8.51 mm R.Ø t = 35.0	Dtmm	53.06	69.11	77.17	85.22	93.27	101.32	153.80	230.53	307.31	384.10	460.91
	dmm	37	50	60	70	75	80	105	105	105	105	105
	L mm	50	50	50	55	55	55	60	60	60	67	67
	d1 mm	12	16	16	16	16	16	35	25	25	25	25
	d 2 mm	24	33	40	46	50	53	70	70	70	70	70
Weight kgs.	0.45	0.95	1.4	1.76	2.24	2.61	5.25	10.45	14.85	18.0	20.45	
Chain 3/4" x 7/16 " 12.07mm R.Ø t = 49.5	Dtmm	79.6	103.68	115.75	127.81	139.9	151.99	230.68	345.82	460.88	576.17	691.36
	dmm	58	75	85	100	105	105	120	140	140	170	170
	L mm	70	70	70	70	70	70	70	70	75	82	82
	d1 mm	16	16	16	20	20	20	25	30	30	40	40
	d 2 mm	38	50	56	66	70	70	80	93	93	113	113
Weight kgs.	1.1	2.2	3.85	4.91	6.15	7.1	13.8	23.4	32.9	46.7	60.5	
Chain 1" x 17.02" 15.88mm R.Ø t = 79.1	Dtmm	106.15	138.23	154.33	170.41	186.54	202.67	307.59	461.08	614.63	768.22	921.82
	dmm	76	100	105	105	120	120	120	150	200	200	200
	L mm	100	100	100	100	100	100	100	100	110	110	115
	d1 mm	16	16	20	25	25	25	30	360	40	40	40
	d 2 mm	50	66	70	70	80	80	80	100	133	133	133
Weight kgs.	4.0	6.1	8.7	11.0	13.6	16.5	26.6	47.5	76.5	100.0	128.0	

ONE PIECE CONSTRUCTION ← → WELDED CONSTRUCTION

