LIFTING CHAIN

The lifting chain is an essential and important device of the crane. Thelength of the chain can be adjusted according to the lifting height ofthe heavy object. lt plays an important role in improving the workingefficiency of the crane and expanding the working range of the crane.

Product characteristics of high strength lifting chain:

1.material: high strength alloy steel;

2.surface treatment: rolling light, black, galvanized, etc.;

3.production standards: lSO, DIN,BS,JIS,ASTM;

4.Level: G80,G100.

5.safety factor: the minimum 4 times the safety factor.

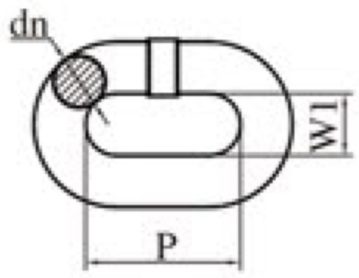
6.product label: G80,G100 or according to customer requirements.

7.can produce non-standard chain according to customer require-ments

TECHNICAL PARAMETERS

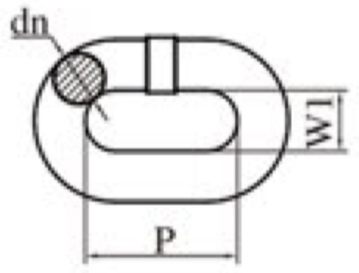
Model(mm)	Width		Weight per unit length(Kg/m)	Ultimate working load(t)	Working load(KN)	Min load(KN)
	Min internal width(a)	Max outer width(b)				
6x18	7.5	21	0.79	1.1	27	45.2
7x21	9	24.5	1.07	1.5	37	61.6
8x24	10	28	1.38	2	48	80.4
10x30	12.5	35	2.2	3.2	76	125
11x43	12.6	36.5	2.33	3.8	92	154
12x36	15	42	3.1	4.6	109	181
12.5x38	15.5	42.2	3.3	4.9	117	196
13x39	16.3	46	3.8	5	128	214
14x42	18	49	4.13	6.3	150	250
14x50	17	48	4	6.3	150	250
15x46	20	52	5.17	7	168	280
16x48	20	56	5.63	8	192	320
16x49	24.5	59.5	5.71	8	192	320
16x64	23.9	58.9	5.11	8	192	320
18x54	23	63	6.85	10	246	410
18x64	21	60	6.6	10	246	410
19x57	23.7	63.2	7.7	11.3	270	450

GRADE 30 PROOF COIL CHAIN



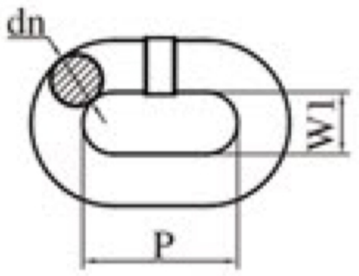
Nominal Chain Size (dn)		Working Load Limit Max		Proof Load Min		Minimum Breaking Force		Inside Length Max (P)		Inside Width Min (W1)	
inches	mm	lbs	kg	lbs	kn	lbs	kn	mm	inches	mm	inches
3/16	5.5	750	340	1500	6.7	3000	13.3	24.1	0.95	10.20	0.40
1/4	7.1	1250	570	2500	4.1	5000	22.2	25.4	1.00	12.70	0.50
5/16	8.7	1900	860	3800	16.9	7600	33.8	27.9	1.10	12.70	0.50
3/8	10.3	2650	1200	5300	23.6	10600	47.2	31.2	1.23	15.70	0.62
1/2	13.5	4500	2040	9000	40.0	18000	80.1	38.9	1.53	20.30	0.80

GRADE 43 HIGH TEST CHAIN



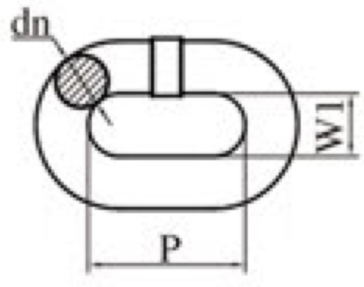
Nominal Chain Size (dn)		WorkingLoad Limit Max		Proof Load Min		Minimum Breaking Force		Inside Length Max (P)		Inside width Min (W1)	
inches	mm	lbs	kg	lbs	kn	lbs	kn	mm	inches	mm	inches
1/4	7.1	2600	1180	4300	19.11	7750	34.45	21.80	0.86	10.20	0.40
5/16	8.7	3900	1770	6400	28.45	11600	51.56	26.70	1.05	12.20	0.48
3/8	10.3	5400	2450	8900	39.56	16200	72.01	30.30	1.19	14.70	0.58
1/2	13.5	9200	4170	15300	68.01	27600	122.69	36.00	1.43	19.10	0.75

GRADE 70 TRANSPORT CHAIN



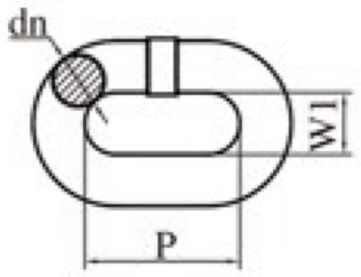
Nominal Chain Size (dn)		Working Load Limit Max		Proof Load Min		Minimum Breaking Force		Inside Length Max (P)		Inside width Min (wl)	
inches	mm	lbs	kg	lbs	kn	lbs	kn	mm	inches	mm	inches
1/4	7.1	3150	1430	6300	28.01	12600	56.01	21.8	0.86	11.40	0.45
5/16	8.7	4700	2130	9400	41.79	18800	83.57	25.60	1.01	11.70	0.46
3/8	10.3	6600	2990	13200	58.68	26400	117.35	30.23	1.19	14.00	0.55
1/2	13.5	11300	5130	22600	100.64	45200	200.93	40.64	1.60	19.05	0.75

GRADE 80 ALLOY CHAIN



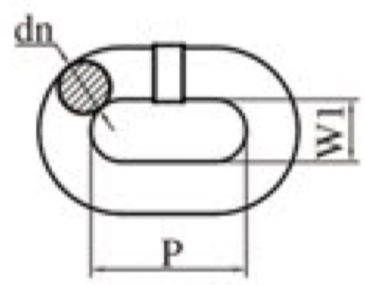
Nominal Chain Size(dn)		Working Load Limit Max		Proof Load Min		Minimum Breaking Force		Inside Length Max (P)		Inside Width Min (W1)	
inches	mm	lbs	kg	lbs	kn	lbs	kn	mm	inches	mm	inches
9/32	7	3500	1588	7000	31.12	14000	62.23	22.10	0.87	10.41	0.41
5/16	8	4500	2042	9000	40.01	18000	80.01	24.13	0.95	11.94	0.47
3/8	10	7100	3221	14200	63.12	28400	126.25	29.97	1.18	14.48	0.57
1/2	13	12000	5444	24000	106.69	48000	213.37	39.12	1.54	18.80	0.74

GRADE 30 PROOF COIL CHAIN



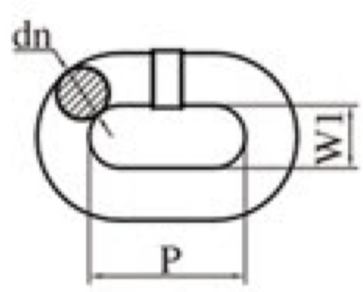
Nominal Chain Size (dn)		Working Load Limit Max		Proof Load Min		Minimum Breaking Force		Inside Length Max (P)		Inside Width Min (W1)	
inches	mm	lbs	kg	lbs	kn	lbs	kn	mm	inches	mm	inches
3/16	5.5	800	365	1600	7.11	3200	14.22	24.8	0.98	7.7	0.30
1/4	7	1300	580	2600	11.56	5200	23.12	31.50	1.24	9.80	0.38
5/16	8	1900	860	3400	15.11	6800	30.23	32.80	1.29	11.20	0.44
3/8	10	2650	1200	5300	23.56	10600	47.12	35.00	1.38	14.0	0.55
1/2	13	4500	2030	8950	39.78	17900	79.6	45.50	1.79	18.2	0.72

GRADE 43 HIGH TEST CHAIN



Nominal Chain Size(dn)		WorkinLoad Limit Max		Proof Load Min		Minimum Breaking Force		Inside Length Max (P)		Inside Width Min (W1)	
inches	mm	lbs	kg	lbs	kn	lbs	kn	mm	inches	mm	inches
1/4	7	2600	1180	3750	16.67	7500	33.34	31.50	1.24	9.8	0.38
5/16	8	3900	1770	4900	21.78	9700	43.12	32.80	1.29	11.2	0.44
3/8	10	5400	2450	7600	33.78	15200	67.57	35.00	1.38	14.0	0.55
1/2	13	9200	4170	12900	57.34	25700	114.24	45.50	1.79	18.2	0.72

GRADE 70 TRANSPORT CHAIN

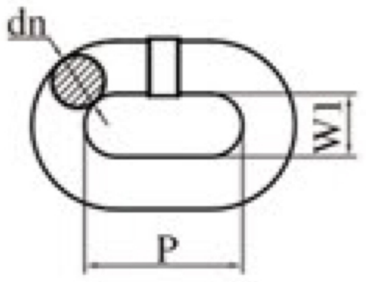


Nominal Chain Size (dn)		Working Load Limit Max		Proof Load Min		Minimum Breaking Force		Inside Length Max (P)		Inside Width Min (W1)	
inches	mm	lbs	kg	lbs	kn	lbs	kn	mm	inches	mm	inches
1/4	7	3150	1430	6100	27.12	12100	53.79	31.5	1.24	9.80	0.38
5/16	8.7	4700	2130	9400	41.79	18800	83.57	32.8	1.29	11.20	0.44
3/8	10	6600	2990	12400	55.12	24700	109.80	35	1.38	14.00	0.55
7/16	11.9	8750	3970	17500	77.79	35000	155.58	41.6	1.64	16.60	0.65
1/2	13	11300	5130	20900	92.91	41800	185.81	45.5	1.79	18.2	0.72

GRADE 30 PROOF COIL CHAIN

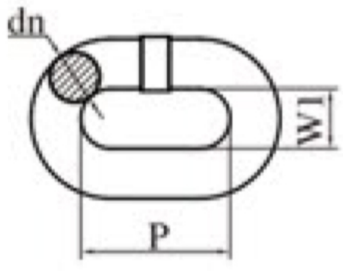
Nominal Chain Size(dn)		WorkingLoad Limit Max		Proof Load Min		Minimum Breaking Force		Inside Length Max (P)		Inside Width Min (W1)	
inches	mm	lbs	kg	lbs	kn	lbs	kn	mm	inches	mm	inches
3/16	5.5	800	363	1600	7.1	3200	14.2	24.8	0.98	7.7	0.30
1/4	7	1300	580	2600	11.6	5200	23.1	31.5	1.24	9.8	0.38
5/16	8	1900	863	3800	16.9	7600	33.8	32.8	1.29	11.2	0.44
3/8	10	2650	1203	5300	23.6	10600	47.1	35.0	1.38	14	0.55
7/16	11.9	3700	1680	7400	32.9	14800	65.8	41.6	1.64	16.6	0.65
1/2	13	4500	2043	9000	40.0	18000	80.0	45.5	1.79	18.2	0.72

GRADE 43 HIGH TEST CHAIN



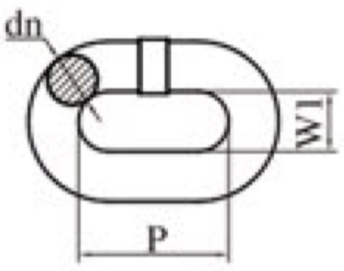
Nominal Chain Size (dn)		Working Load Limit Max		Proof Load Min		Minimum Breaking Force		Inside Length Max (P)		Inside Width Min (w1)	
inches	mm	lbs	kg	lbs	kn	lbs	kn	mm	inches	mm	inches
1/4	7	2600	1180	3900	17.3	7800	34.7	31.5	1.24	9.8	0.38
5/16	8.7	3900	1771	5850	26.0	11700	52.0	32.8	1.29	11.2	0.44
3/8	10	5400	2452	8100	36.0	16200	72.0	35	1.38	14.0	0.55
7/16	11.9	7200	3269	10800	48.0	21600	96.0	41.6	1.64	16.6	0.65
1/2	13	9200	4177	13800	61.3	27600	122.7	45.5	1.79	18.2	72

GRADE 70 TRANSPORT CHAIN



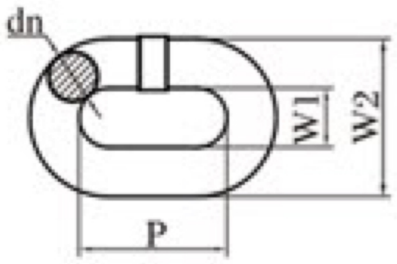
Nominal Chain size(dn)		Working Load Limit Max		Proof Load Min		Minimum Breaking Force		Inside Length Max (P)		Inside Width Min (Wi)M	
inches	mm	lbs	kg	lbs	kn	lbs	kn	mm	inches	mm	inches
1/4	7	3150	1430	6300	28.0	12600	56.0	31.5	1.24	9.8	0.38
5/16	8.7	4700	2134	9400	41.8	18800	83.6	32.8	1.29	11.2	0.44
3/8	10	6600	2996	13200	58.7	26400	117.4	35.0	1.38	14.0	0.55
7/16	11.9	8750	3970	17500	77.8	35000	155.4	41.6	1.64	16.6	0.65
1/2	13.5	11300	5130	22600	100.5	45200	200.9	45.5	1.79	18.2	0.72

GRADE 80 ALLOY CHAIN



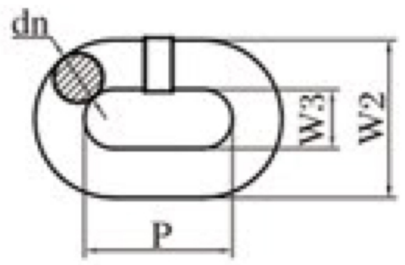
Nominal Chain Size (dn)		Working Load Limit Max		Proof Load Min		Minimum Breaking Force		Inside Length Max (P)		Inside width Min (W1)	
inches	mm	lbs	kg	lbs	kn	lbs	kn	mm	inches	mm	inches
7/32	5.5	2100	970	4200	19	8400	38	17.6	0.69	7.14-8.25	0.281-0.325
9/32	7	3500	1570	7000	30 8	14000	61.6	22.9	0.9	9.53-10.92	0.375-0.430
5/16	8	4500	2000	9000	40 3	18000	8o.6	26.4	1.04	10.92-12.7	0.430-0.5
3/8	10	7100	3200	14200	63	28400	126	32	1.26	13.0-15.2	0.512-0.6
1/2	13	12000	5400	24000	107	48000	214	41.6	1.64	17.48-19.5	0.688-0.768

EN818-2 LIFTING



Nominal Size (dn)	Material Diameter Tolerance	WorkingLoad Limit WLL	Manufactring Proof Force MPF	Breaking Force BE Min	Pitch			Inside Width Away From Weld Min(W1)	External Width Over The Weld Max (W2)	Weight
					P	P(max)	P(min)			
mm	±mm	t	kn	kn	mm	mm	mm	mm	mm	Kg/m
5	0.2	0.8	19.6	31.4	15	15.5	14.6	6.5	18.5	0.5
6	0.24	1.12	28.3	45.2	18	18.5	17.5	7.8	22.2	0.8
7	0.28	1.5	38.5	61.6	21	21.6	20.4	9.1	25.9	1.1
8	0.32	2	50.3	80.4	24	24.7	23.3	10.4	29.6	1.4
10	0.4	3.15	78.5	126	3o	30.9	29.1	13	37	2.2
13	0.52	5.3	133	212	39	40.2	37.8	16.9	48.1	3.8

EN818-7 LIFTING



Nominal Size (dn)	Material Diameter Tolerance	WorkingLoad Limit WLL	Manufactring Proof Force MPF	Breaking Force BF Min	Pitch		Width		Gauge Length		Weight
					(p)	Tolerance	Inside Min (W3)	External Max (W2)	11*p	Tolerance	
mm	±mm	t	kn	kn	mm	mm	mm	mm	mm	mm	Kg/m
5	0.2	0.8	19.6	31.4	15	0.3	6	17	165	0.8	0.54
6	0.2	1.1	28.3	45.2	18	0.35	7.2	20.4	198	1	0.8
7	0.3	1.5	38.5	61.6	21	0.4	8.4	23.8	231	1.1	1.1
8	0.3	2	50.3	80.4	24	0.5	9.6	27.2	264	1.3	1.4
9	0.4	2.5	63.6	102	27	0.5	10.8	30.6	297	1.4	1.8
10	0.4	3.2	78.5	126	30	0.6	12	34	330	1.6	2.2
11	0.4	3.8	95	152	33	0.6	13.2	37.4	363	1.7	2.7
12	0.5	4.5	113	181	36	0.7	14.4	40.8	396	1.9	3.1
13	0.5	5.3	133	212	39	0.8	15.6	44.2	429	2.1	3.7