

Loquen



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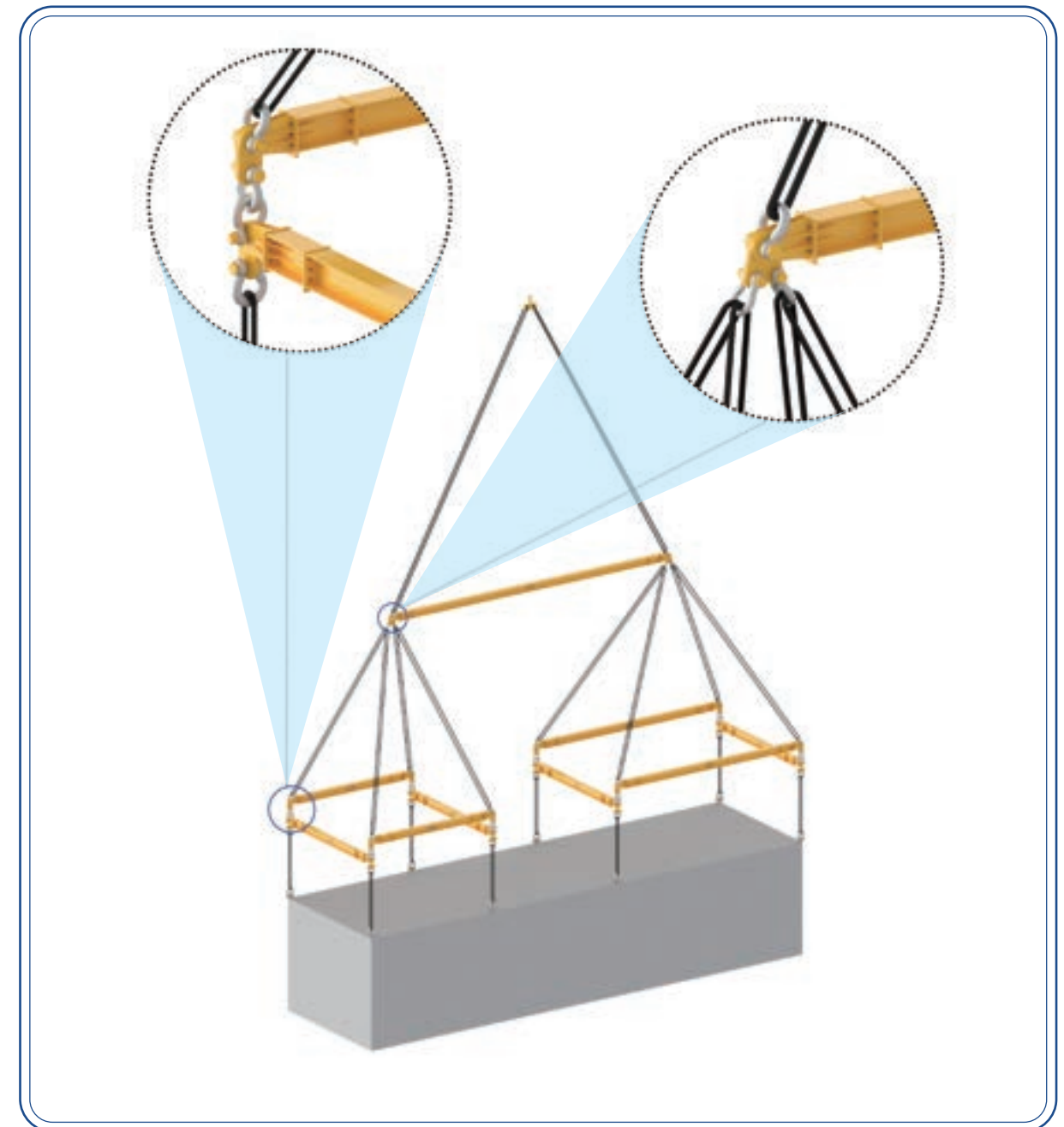
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Loquen

General Catalogue

Loquen operates in the sale and rental of handling accessories, load testing, mooring and fender systems, ensuring that your operations remain active and safe. With a central office in Shanghai, controlling all product manufacturing to always maintain the highest level of quality, an operational base in Brazil, responsible for serving all of Latin America, with one of the largest inventories in the region and with the corporate office in Rotterdam, responsible for service throughout Europe and Africa and through its local distributors in several countries, thus ensuring that the entire world has access to high-quality products and the efficiency that only Loquen offers.



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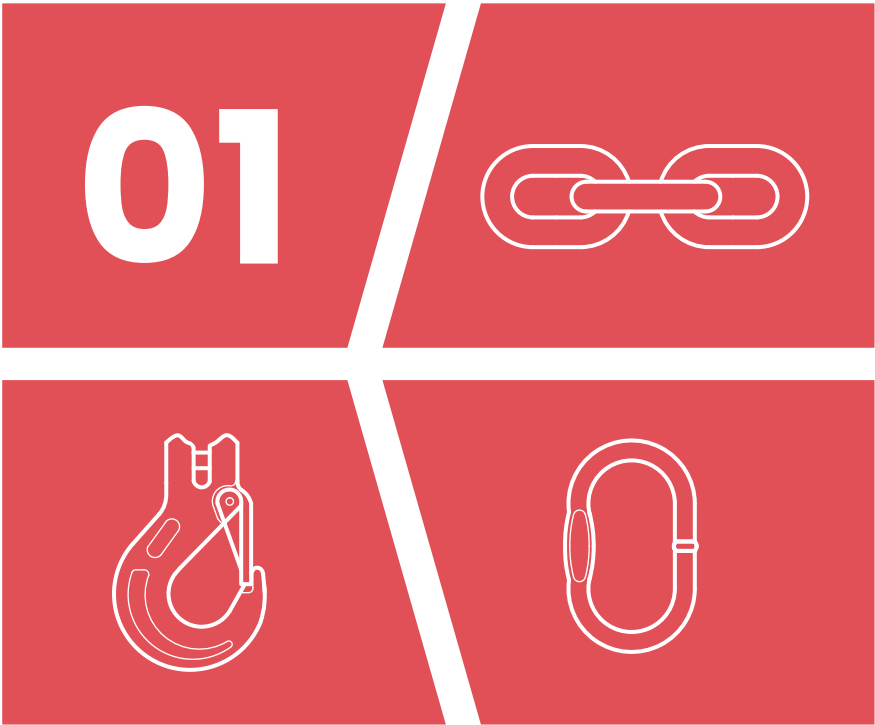


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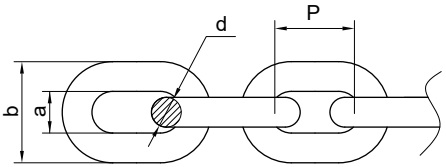
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CHAINS & ACCESSORIES

- Chains
- G80 Accessories
- G100 Accessories
- Load Binders
- Others



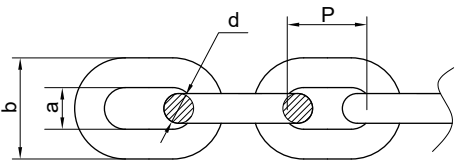
G100 Lifting Chain EN818



Stock No.	Size d (mm)	WLL (t)	Pitch P (mm)	Max. Inside Width a(mm)	Min. Outside Width b(mm)	Weight (kg/m)
HS1010101	6	1.40	18	8.70	21.6	0.80
HS1010102	7	1.90	21	9.50	25.2	1.10
HS1010103	8	2.50	24	10.90	28.8	1.50
HS1010104	10	4.00	30	13.50	36.0	2.30
HS1010105	13	6.70	39	17.50	46.8	3.90
HS1010106	16	10.00	48	21.50	57.6	5.80
HS1010107	19	14.00	57	25.60	68.4	7.40
HS1010108	22	19.00	66	29.50	79.2	11.00
HS1010109	26	26.50	78	33.80	96.2	15.00
HS1010110	32	39.30	96	41.60	118.0	22.30

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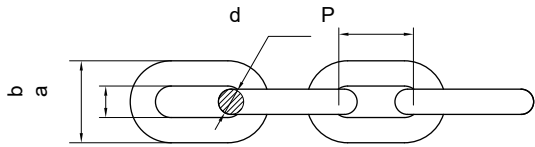
G80 Lifting Chain EN 818-2



Stock No.	Size d (mm)	WLL (t)	P (mm)	Max. Inside Width a(mm)	Min. Outside Width b(mm)	Weight (kg/m)
HS1010201	6	1.12	18	7.8	22.2	0.80
HS1010202	7	1.5	21	9.1	25.9	1.10
HS1010203	8	2	24	10.4	29.6	1.40
HS1010204	10	3.15	30	13.0	37.0	2.10
HS1010205	13	5.3	39	16.9	48.1	3.50
HS1010206	16	8	48	20.8	59.2	5.30
HS1010207	18	10	54	23.4	66.6	6.70
HS1010208	20	12.5	60	26.0	74.0	8.50
HS1010209	21	15	66	28.6	81.4	10.50
HS1010210	36	21.2	78	33.8	96.2	14.50
HS1010211	32	31.5	96	41.6	118.0	22.30

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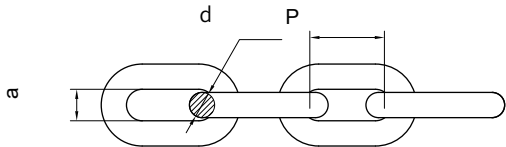
Mining Chain



Stock No.	Diameter *Pitch d*P (mm)	WLL/KN	Proof Load/KN	Breaking Load/KN	a (mm)	b (mm)	Weight (kg/m)
HS1010301	14*50	154	185	246	17	48	4
HS1010302	18*64	254	305	407	21	60	6.6
HS1010303	19*64.5	283	340	454	22	63	7.6
HS1010304	22*86	380	456	608	26	73	9.5
HS1010305	26*92	531	637	850	30	85	13.7
HS1010306	30*108	707	848	1130	34	97	18
HS1010307	34*126	907	1090	1450	38	109	22.7
HS1010308	38*137	1130	1360	1820	42	121	29
HS1010309	42*146	1380	1660	2220	48	137	36.5

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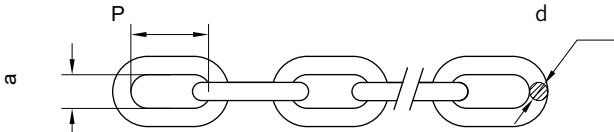
G80 USA Standard Link Chain



Stock No.	Nominal Size d		Working Load Max.		Breaking Load Min.		Inside Length Max.P		Inside Width Min.a	
	(mm)	(in)	(kg)	(lbs)	(kg)	(lbs)	(mm)	(in)	(mm)	(in)
HS1010401	5.5	7/32	970	2,100	38	8,400	17.6	0.69	7.14-8.25	0.281-0.325
HS1010402	7.0	9/32	1,570	3,500	61.6	14,000	22.9	0.9	9.53-10.92	0.375-0.43
HS1010403	8.0	5/16	2,000	4,500	80.6	18,000	26.4	1.04	10.92-12.7	0.43-0.5
HS1010404	10.0	3/8	3,200	7,100	126	28,400	32.0	1.26	13-15.2	0.512-0.6
HS1010405	13.0	1/2	5,400	12,000	214	48,000	41.6	1.64	17.48-19.5	0.688-0.768
HS1010406	16.0	5/8	8,200	18,100	322	72,400	51.2	2.02	20.63-24	0.812-0.945
HS1010407	20.0	3/4	12,800	28,300	504	113,200	64.0	2.52	25-30	0.984-1.18
HS1010408	22.0	7/8	15,500	34,200	610	136,800	70.4	2.77	27.5-33	1.08-1.3
HS1010409	26.0	1	21,600	47,700	850	190,800	83.2	3.28	32.5-39	1.28-1.54
HS1010410	32.0	1-1/4	32,800	72,300	1288	289,200	102.4	4.03	40-48	1.58-1.89

Images for illustrative purposes only.

ASTM80 Standard Link Chain



Images for illustrative purposes only.

ASTM80 Standard Link Chain G30

Stock No.	Nominal Size d		WLL Max.		BL Min.		Inside Length P Max.		Inside Width a Min.		Weight
	(in)	(mm)	(lbs)	(kg)	(lbs)	(kn)	(mm)	(in)	(mm)	(in)	(kg/m)
HS1010501	1/8	4.0	420	190	1,700	7.56	22.6	0.89	7.4	0.29	0.29
HS1010502	3/16	5.5	800	360	3,200	14.20	24.1	0.95	10.2	0.40	0.60
HS1010503	1/4	7.1	1,330	600	5,300	23.60	25.4	1.00	12.7	0.50	1.07
HS1010504	5/16	8.7	2,000	910	8,000	35.60	27.9	1.10	12.7	0.50	1.57
HS1010505	3/8	10.3	2,800	1,270	11,200	49.80	31.2	1.23	15.7	0.62	2.31
HS1010506	1/2	13.5	4,800	2,190	19,300	85.80	38.9	1.53	20.3	0.80	4.04
HS1010507	5/8	16.7	7,400	3,350	29,600	131.60	48.3	1.90	25.4	1.00	6.04
HS1010508	3/4	19.8	10,400	4,700	41,600	185.00	54.6	2.15	28.4	1.12	8.66
HS1010509	7/8	23.0	14,000	6,350	56,000	249.00	63.5	2.50	34.8	1.37	12.27
HS1010510	1	26.5	18,600	8,400	74,400	330.80	69.9	2.75	38.1	1.50	16.50

Images for illustrative purposes only.

ASTM80 Standard Link Chain G43

Stock No.	Nominal Size d		WLL Max.		BL Min.		Inside Length P Max.		Inside Width a Min.		Weight
	(in)	(mm)	(lbs)	(kg)	(lbs)	(kn)	(mm)	(in)	(mm)	(in)	(kg/m)
HS1010601	1/4	7.1	2,600	1,180	7,750	34.50	21.8	0.86	10.2	0.40	1.19
HS1010602	5/16	8.7	3,900	1,770	11,600	51.60	26.7	1.05	12.2	0.48	1.65
HS1010603	3/8	10.3	5,400	2,450	16,200	72.00	30.3	1.19	14.7	0.58	2.38
HS1010604	1/2	13.5	9,200	4,170	27,600	122.70	36.0	1.43	19.1	0.75	4.22

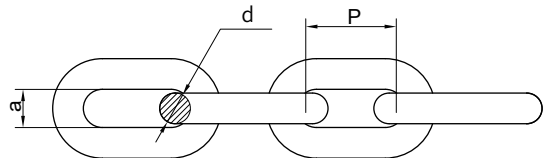
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ASTM80 Standard Link Chain G70

Stock No.	Nominal Size d		WLL Max.		BL Min.		Inside Length P Max.		Inside Width a Min.		Weight
	(in)	(mm)	(lbs)	(kg)	(lbs)	(kn)	(mm)	(in)	(mm)	(in)	(kg/m)
HS1010701	1/4	7.1	3,150	1,430	12,600	56.0	21.8	0.86	11.4	0.45	1.12
HS1010702	5/16	8.7	4,700	2,130	18,800	83.6	25.6	1.01	11.7	0.46	1.65
HS1010703	3/8	10.3	6,600	2,990	26,400	117.4	30.2	1.19	14.0	0.55	2.33
HS1010704	1/2	13.5	11,300	5,130	45,200	201.1	36.0	1.43	19.1	0.75	4.46

Images for illustrative purposes only.

NACM90 Standard Link Chain



NACM90 Standard Link Chain-G30

Stock No.	Normal Size d		WLL Max.		BL Min.		Inside Length Max.P		Inside Width Min.a		Weight
	(in)	(mm)	(lbs)	(mm)	(lbs)	(kn)	(mm)	(in)	(mm)	(in)	
HS1010801	1/8	4.0	375	170	1,600	7.1	23.9	0.94	6.4	0.25	0.28
HS1010802	3/16	5.5	800	365	3,200	14.3	24.8	0.98	7.7	0.30	0.57
HS1010803	1/4	7.0	1,300	580	5,200	23.1	31.5	1.24	9.8	0.38	0.92
HS1010804	5/16	8.0	1,900	860	6,800	30.2	32.8	1.29	11.2	0.44	1.24
HS1010805	3/8	10.0	2,650	1,200	10,600	47.1	35	1.38	14.0	0.55	2.07
HS1010806	1/2	13.0	4,500	2,030	17900	79.6	45.5	1.79	18.2	0.72	3.49
HS1010807	5/8	16.0	6,900	3,130	27,200	120.6	56	2.2	20.0	0.79	5.21
HS1010808	3/4	20.0	10,600	4,800	42,400	188.5	70	2.76	25.0	0.98	8.14
HS1010809	7/8	22.0	12,800	5,810	51,200	228.1	77	3.03	27.5	1.03	9.86
HS1010810	1	26.0	17,900	8,140	71,600	318	90.9	3.58	31.7	1.25	12.56

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NACM90 Standard Link Chain-G43

Stock No.	Normal Size d		WLL Max.		BL Min.		Inside Length Max.P		Inside Width Min.a		Weight
	(in)	(mm)	(lbs)	(mm)	(lbs)	(kn)	(mm)	(in)	(mm)	(in)	
HS1010901	1/4	7.0	2,600	1,180	7,500	33.1	31.5	1.24	9.8	0.38	0.92
HS1010902	5/16	8.0	3,900	1,770	9,700	43.2	32.8	1.29	11.2	0.44	1.50
HS1010903	3/8	10.0	5,400	2,450	15,200	67.6	35.0	1.38	14.0	0.55	2.07
HS1010904	1/2	13.0	9,200	4,170	25,700	114.2	45.5	1.79	18.2	0.72	3.49
HS1010905	5/8	16.0	11,500	5,220	38,900	172.9	56.0	2.20	20.0	0.79	5.21
HS1010906	3/4	20.0	16,200	7,350	60,700	270.2	70.0	2.76	25.0	0.98	8.14

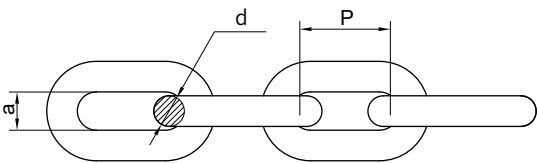
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NACM90 Standard Link Chain-G70

Stock No.	Normal Size d		WLL Max.		BL Min.		Inside Length Max.P		Inside Width Min.a		Weight
	(in)	(mm)	(lbs)	(mm)	(lbs)	(kn)	(mm)	(in)	(mm)	(in)	
HS1011001	1/4	7.0	2,600	1,180	7,500	33.1	31.5	1.24	9.8	0.38	0.92
HS1011002	5/16	8.0	3,900	1,770	9,700	43.2	32.8	1.29	11.2	0.44	1.50
HS1011003	3/8	10.0	5,400	2,450	15,200	67.6	35.0	1.38	14.0	0.55	2.07
HS1011004	1/2	13.0	9,200	4,170	25,700	114.2	45.5	1.79	18.2	0.72	3.49
HS1011005	5/8	16.0	11,500	5,220	38,900	172.9	56.0	2.20	20.0	0.79	5.21
HS1011006	3/4	20.0	16,200	7,350	60,700	270.2	70.0	2.76	25.0	0.98	8.14

Images for illustrative purposes only.

NACM96 Standard Link Chain



NACM96 Standard Link Chain-G30

Stock No.	Normal Size d		WLL Max.		BL Min.		Inside Length Max.P		Inside Width Min.a		Weight
	(in)	(mm)	(lbs)	(kg)	(lbs)	(kn)	(mm)	(in)	(mm)	(in)	
HS1011101	1/8	4.0	400	180	1,600	7.2	23.9	0.94	6.4	0.25	0.28
HS1011102	3/16	5.5	800	365	3,200	1.44	24.8	0.98	7.7	0.30	0.57
HS1011103	1/4	7.0	1,300	580	5,200	23.2	31.5	1.24	9.8	0.38	0.92
HS1011104	5/16	8.0	1,900	860	7,600	33.8	32.8	1.29	11.2	0.44	1.24
HS1011105	3/8	10.0	2,650	1,200	10,600	47.2	35.0	1.38	14.0	0.55	2.07
HS1011106	7/16	11.9	3,700	1,680	14,800	65.8	41.5	1.64	16.8	0.65	2.93
HS1011107	1/2	13.0	4,500	2,030	18,000	80.0	45.6	1.79	18.2	0.72	3.49
HS1011108	5/8	16.0	6,900	3,130	27,600	122.6	56.0	2.20	20.0	0.79	5.21
HS1011109	3/4	20.0	10,600	4,800	42,400	188.6	70.0	2.76	25.0	0.98	8.14
HS1011110	7/8	22.0	12,800	5,810	51,200	228.2	77.0	3.03	27.5	1.08	9.86
HS1011111	1	26.0	17,900	8,140	71,600	318.2	90.9	3.58	31.7	1.25	12.56

Images for illustrative purposes only.

NACM96 Standard Link Chain-G43

Stock No.	Normal Size d		WLL Max.		BL Min.		Inside Length Max.P		Inside Width Min.a		Weight
	(in)	(mm)	(lbs)	(kg)	(lbs)	(kn)	(mm)	(in)	(mm)	(in)	
HS1011201	1/4	7.0	2,600	1,180	7,800	34.5	31.5	1.24	9.8	0.38	0.92
HS1011202	5/16	8.7	3,900	1,770	11,700	52.0	32.8	1.29	11.2	0.44	1.50
HS1011203	3/8	10.0	5,400	2,450	16,200	72.0	35.0	1.38	14.0	0.55	2.07
HS1011204	7/16	11.9	7,200	3,270	21,600	96.0	41.6	1.64	16.6	0.65	2.93
HS1011205	12	13.0	9,200	4,170	27,600	122.6	45.5	1.79	18.2	0.72	3.50
HS1011206	5/8	16.0	13,000	5,910	39,000	173.0	56.0	2.20	20.0	0.79	5.21
HS1011207	3/4	20.0	20,200	9,180	60,600	269.4	70.0	2.76	25.0	0.98	8.14
HS1011208	7/8	22.0	24,500	11,140	73,500	326.6	77.0	3.03	27.5	1.08	9.86

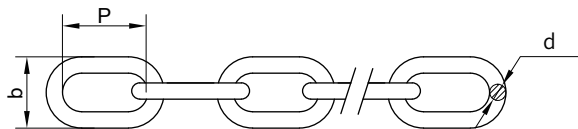
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NACM96 Standard Link Chain-G70

Stock No.	Normal Size d		WLL Max.		BL Min.		Inside Length Max.P		Inside Width Min.a		Weight
	(in)	(mm)	(lbs)	(kg)	(lbs)	(kn)	(mm)	(in)	(mm)	(in)	
HS1011301	1/4	7.0	3,150	1,430	12,600	56.0	31.5	1.24	9.8	0.38	0.92
HS1011302	5/16	8.7	4,700	2,130	18,800	83.6	32.8	1.29	11.2	0.44	1.50
HS1011303	3/8	10.0	6,600	2,990	26,400	117.4	35.0	1.38	14.0	0.55	2.07
HS1011304	7/16	11.9	8,750	3,970	35,000	155.4	41.6	1.64	16.6	0.65	2.93
HS1011305	1/2	13.0	11,300	5,130	45,200	200.8	45.5	1.79	18.2	0.72	3.49
HS1011306	5/8	16.0	15,800	7,170	63,200	280.8	56.0	2.20	20.0	0.79	5.21
HS1011307	3/4	20.0	24,700	11,200	98,800	439.2	70.0	2.76	25.0	0.98	8.14

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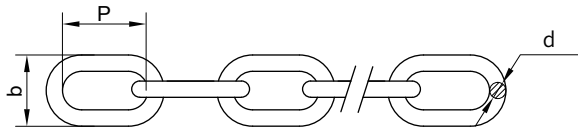
Australian Standard Chain-Grade 70 Chain



Stock No.	Size (mm)	Dia.d (mm)	Inside Length P (mm)	Outside Width b (mm)	Length per 500kg(m)	Length per 50kg(m)	BL (kn)	Weight (kg/m)
HS1011401	6	6	18.9	22.05	625	62.5	44.1	0.8
HS1011402	7	7	21.3	24.85	460	46	55.9	1.1
HS1011403	7.3	7.3	24	26.6	430	43	58.9	1.16
HS1011404	8	8	24	28	350	35	73.6	1.43
HS1011405	10	10	30	35	225	22.5	118	2.23
HS1011406	13	13	39	45.5	134	13.4	176	3.75

Images for illustrative purposes only.

Australian Standard Chain-Short Link Chain



Stock No.	Size d (mm)	WLL (t)	Inside Length P (mm)	Outside Width b (mm)	Links per m(pc)	Length per 100kg		B.F Weight (kg/m)	H.D.G Weight (kg/m)
						B.F(m)	H.D.G(m)		
HS1011501	5	0.24	14.60	17.20	68.30	174.00	167.00	0.57	0.60
HS1011502	6	0.32	18.90	21.50	52.90	114.00	108.00	0.88	0.93
HS1011503	8	0.53	24.00	27.50	41.70	70.50	67.00	1.42	1.49
HS1011504	10	0.83	29.50	33.50	33.90	45.20	42.90	2.21	2.33
HS1011505	12	1.50	37.50	40.60	26.70	29.50	28.00	3.39	3.57
HS1011506	13	1.60	38.80	44.60	25.80	26.90	26.30	3.72	3.80
HS1011507	16	2.31	47.00	54.00	21.30	17.60	16.70	5.68	5.99
HS1011508	20	3.45	59.20	68.50	16.90	11.30	11.10	8.85	9.01
HS1011509	22	4.55	64.90	77.00	15.40	9.50	9.20	10.53	10.87
HS1011510	24	5.43	71.00	82.20	14.10	7.80	7.60	12.82	13.16

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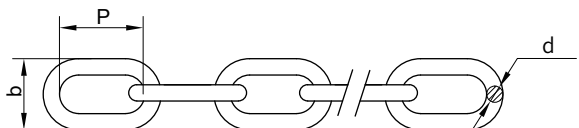
Australian Standard Chain-Medium Link Chain



Stock No.	Size d (mm)	WLL (t)	Inside Length P (mm)	Outside Width b (mm)	Links per m(pc)	Length per 100kg		B.F Weight (kg/m)	H.D.G Weight (kg/m)
						B.F(m)	H.D.G(m)		
HS1011601	3	0.06	15.7	13.1	63.8	511	498	0.20	0.20
HS1011602	4	0.11	18.6	16	53.9	320	305	0.31	0.33
HS1011603	5	0.19	22	19.4	45.4	203	193	0.49	0.52
HS1011604	6	0.32	26.1	23.5	37.8	129	120	0.78	0.83
HS1011605	8	0.53	32.2	29.5	31	77.8	74	1.29	1.35
HS1011606	10	0.83	39.1	36.2	25	48.5	47.1	2.06	2.12
HS1011607	12	1.35	46	44	21.7	34	33.3	2.94	3.00
HS1011608	13	1.50	49.1	46.1	20.3	29.7	27.7	3.37	3.61
HS1011609	16	2.31	59.6	56.5	16.8	20.2	18.2	4.95	5.49
HS1011610	20	3.67	73.3	70	13.6	12.3	11.6	8.13	8.62
HS1011611	24	5.31	87	83.6	11.5	8.5	8.04	11.76	12.44

Images for illustrative purposes only.

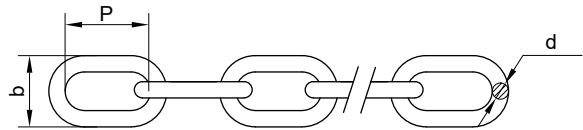
Australian Standard Chain-Long Link Chain



Stock No.	Size d (mm)	WLL (t)	Inside Length P (mm)	Outside Width b	Links per m(pc)	Length per 100kg		B.F Weight (kg/m)	H.D.G Weight (kg/m)
						B.F(m)	H.D.G(m)		
HS1011701	3	0.05	22.1	15.7	45.3	555	526	0.18	0.19
HS1011702	4	0.09	25.4	18.6	39.3	345	323	0.29	0.31
HS1011703	5	0.19	29.3	21.8	34.1	217	206	0.46	0.49
HS1011704	6	0.32	34.5	26.1	29	135	128	0.74	0.78
HS1011705	8	0.53	41.2	31.9	24.3	82.2	78.1	1.22	1.28
HS1011706	10	0.83	49	38.7	20.4	52.9	50.2	1.89	1.99

Images for illustrative purposes only.

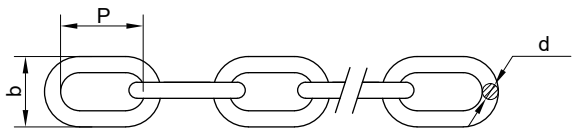
Australian Standard Chain-Grade L Chain



Stock No.	Size d (mm)	WLL (t)	Inside Length P (mm)	Outside Width b (mm)	Links per m(pc)	Length per 100kg		B.F Weight (kg/m)	H.D.G Weight (kg/m)
						B.F(m)	H.D.G(m)		
HS1011801	5	0.25	14.6	17.2	68.3	174	167	0.57	0.60
HS1011802	6	0.40	18.8	21.6	53.2	116	110	0.86	0.91
HS1011803	8	0.64	23.8	27	42	71.4	69.9	1.40	1.43
HS1011804	10	1.00	29.8	34.3	33.6	44.8	43.9	2.23	2.28
HS1011805	13	1.70	38.8	44.6	25.8	28.9	26.3	3.46	3.80
HS1011806	16	2.58	47.8	54.8	20.9	17.8	17.5	5.62	5.71
HS1011807	20	4.03	59.2	68.5	16.9	11.3	11.1	8.85	9.01
HS1011808	22	5.06	64.9	77	15.4	9.5	9.2	10.53	10.87
HS1011809	24	5.61	71	82.2	14.1	7.8	7.6	12.82	13.16

Images for illustrative purposes only.

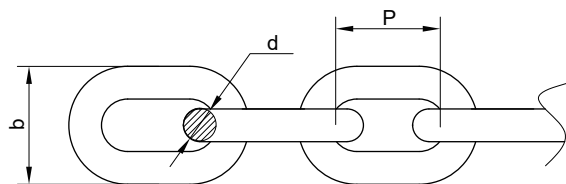
DIN 763 Standard Link Chain



Stock No.	Size d (mm)	Inside Length P (mm)	Outside Width b (mm)	BL (kn)	Weight (kg/m)
HS1011901	2	22	8	1.25	0.06
HS1011902	2.5	24	10	2.00	0.10
HS1011903	3	26	12	3.20	0.15
HS1011904	3.5	28	14	3.85	0.20
HS1011905	4	32	16	6.50	0.27
HS1011906	4.5	34	18	8.00	0.35
HS1011907	5	35	20	10.00	0.43
HS1011908	5.5	39	22	10.50	0.52
HS1011909	6	42	24	12.00	0.63
HS1011910	7	49	28	19.00	0.86
HS1011911	8	52	32	25.00	1.10
HS1011912	8.5	56	34	25.50	1.25
HS1011913	9	59	36	32.00	1.41
HS1011914	10	65	40	40.00	1.75
HS1011915	11	72	44	47.50	2.11
HS1011916	12	78	48	56.50	2.55
HS1011917	13	82	52	63.00	2.95
HS1011918	16	100	64	100.00	4.45
HS1011919	18	113	70	127.00	5.65
HS1011920	19	119	72	142.00	6.25
HS1011921	20	120	75	160.00	7.00
HS1011922	22	127	82	190.00	8.55
HS1011923	25	140	85	245.00	10.90
HS1011924	28	152	96	300.00	13.90
HS1011925	32	171	108	400.00	18.20

Images for illustrative purposes only.

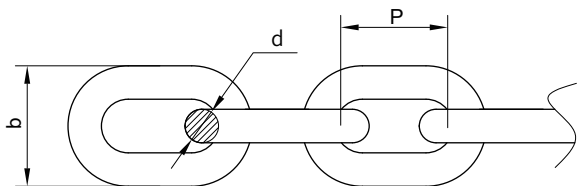
DIN 764 Standard Link Chain



Stock No.	Size d (mm)	Inside Length P (mm)	Outside Width b (mm)	PL (kg)	BL (kg)	Weight (kg/m)
HS1012001	4	16	14	400	700	0.31
HS1012002	5	18	18	680	1180	0.51
HS1012003	6	21	22	850	1650	0.74
HS1012004	8	28	29	1680	3200	1.32
HS1012005	10	35	36	2630	5000	2.00
HS1012006	12	42	41	3680	7000	2.98
HS1012007	13	45	47	4200	8000	3.50
HS1012008	14	49	48	4600	9200	4.06
HS1012009	16	56	58	6700	12500	5.20
HS1012010	18	63	65	8400	16000	6.50
HS1012011	20	70	72	10000	20000	8.20
HS1012012	23	80	83	13000	25000	11.00
HS1012013	26	91	94	16000	32000	14.00
HS1012014	28	98	101	18000	36000	16.50
HS1012015	30	105	108	20750	41500	19.00
HS1012016	33	115	119	25000	50000	22.50

Images for illustrative purposes only.

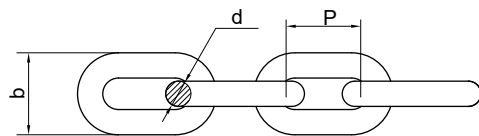
DIN 766 Standard Link Chain



Stock No.	Size d (mm)	Inside Length P (mm)	Outside Width b (mm)	BL (kg)	Weight (kg/m)
HS1012101	2	12.00	7.5	125	0.07
HS1012102	3	16.00	11.0	400	0.16
HS1012103	4	16.00	13.7	800	0.32
HS1012104	5	18.50	17.0	1,250	0.50
HS1012105	6	18.50	20.2	1,600	0.80
HS1012106	7	22.00	23.8	2,500	1.10
HS1012107	8	24.00	27.2	3,200	1.40
HS1012108	9	27.00	30.6	4,000	1.80
HS1012109	10	28.00	34.0	5,000	2.20
HS1012110	11	31.00	37.4	6,300	2.70
HS1012111	12	36.00	40.8	7,240	3.10
HS1012112	13	36.00	44.2	8,000	3.80
HS1012113	14	41.00	47.6	12,500	4.40
HS1012114	16	45.00	54.4	16,000	5.70
HS1012115	18	50.00	61.2	18,000	7.30
HS1012116	19	53.00	64.6	20,000	7.97
HS1012117	20	56.00	68.0	22,796	9.00
HS1012118	22	62.00	75.0	24,300	11.00
HS1012119	23	64.00	78.2	25,000	12.00
HS1012120	26	73.00	88.4	32,000	15.00
HS1012121	28	78.00	95.2	40,000	18.00
HS1012122	30	84.00	102.0	45,000	19.50
HS1012123	32	90.00	108.8	50,000	23.00

Images for illustrative purposes only.

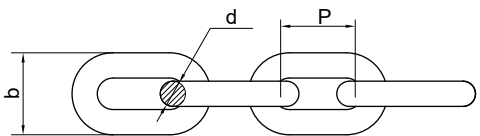
DIN 5685A Short Link Chain



Stock No.	Diameter d (mm)	Inside Length P (mm)	Outside Width b (mm)	PL (N)	BL (N)	Unit Weight (kg/100m)
HS1012201	2	12	8	500	1,250	7
HS1012202	2.5	14	10	750	2,000	11
HS1012203	3	16	12	1,120	2,800	16.5
HS1012204	3.5	18	14	1,500	3,850	22.5
HS1012205	4	19	16	2,000	5,000	30
HS1012206	4.5	20	18	2,500	6,300	39.5
HS1012207	5	21	20	3,150	7,750	50
HS1012208	5.5	23	22	3,800	9,500	60.5
HS1012209	6	24	24	4,500	11,500	73
HS1012210	6.5	26	26	5,400	13,500	86
HS1012211	7	28	28	6,000	15,000	100
HS1012212	8	32	32	8,000	20,000	130
HS1012213	8.5	34	34	9,000	22,500	149
HS1012214	9	36	36	10,000	25,000	165
HS1012215	10	40	40	12,500	31,000	205
HS1012216	11	44	44	15,000	38,000	250
HS1012217	12	48	48	18,000	45,000	290
HS1012218	13	52	52	21,200	53,000	345

Images for illustrative purposes only.

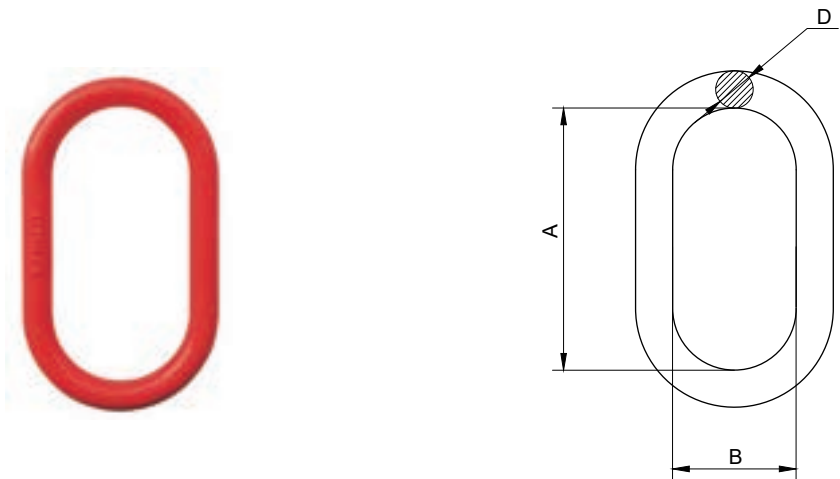
DIN 5685C Long Link Chain



Stock No.	Diameter d (mm)	Inside Length P (mm)	Outside Width b (mm)	PL (N)	BL (N)	Unit Weight (kg/100m)
HS1012301	2	22	8	500	1,250	6
HS1012302	2.5	24	10	750	2,000	10
HS1012303	3	26	12	1,120	2,800	15
HS1012304	3.5	28	14	1,500	3,850	20
HS1012305	4	32	16	2,000	5,000	27
HS1012306	4.5	34	18	2,500	6,300	35
HS1012307	5	35	20	3,150	7,750	43
HS1012308	5.5	38.5	22	3,800	9,500	52
HS1012309	6	42	24	4,500	11,500	63
HS1012310	6.5	45.5	26	5,400	13,500	74
HS1012311	7	49	28	6,000	15,000	86
HS1012312	8	52	32	8,000	20,000	110
HS1012313	8.5	56	34	9,000	22,500	125
HS1012314	9	59	36	10,000	25,000	141
HS1012315	10	65	40	12,500	31,000	175
HS1012316	11	72	44	15,000	38,000	211
HS1012317	12	78	48	18,000	45,000	255
HS1012318	13	82	52	21,200	53,000	295

Images for illustrative purposes only.

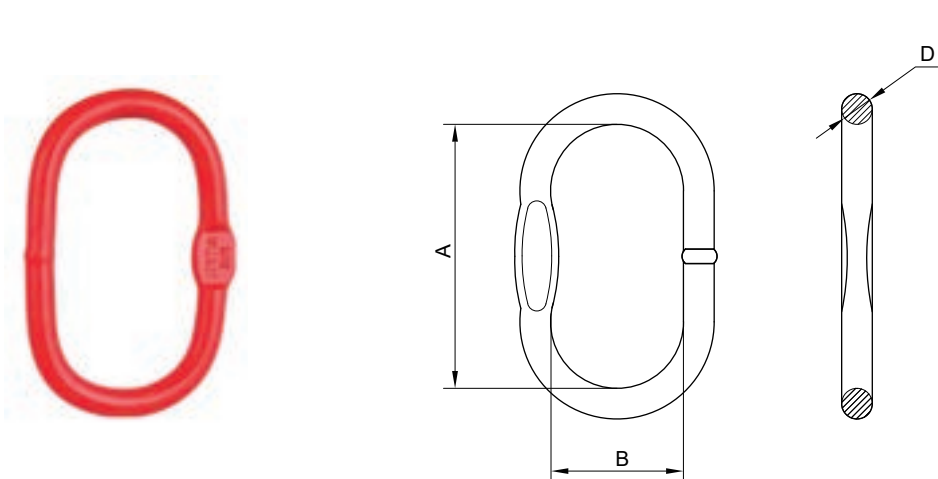
A342 Forged Alloy Master Link



Stock No.	Size (in)	WLL (t)	A (mm)	B (mm)	D (mm)	Weight (kg)
HS1020101	1/2	2	127	63.5	14	0.45
HS1020102	5/8	3	152	76	16	0.7
HS1020103	3/4	4.7	140	70	20	1.05
HS1020104	7/8	6.4	160	90	22	1.5
HS1020105	7/8	8	178	89	22	1.6
HS1020106	1	11	178	89	25	2.1
HS1020107	1-1/4	16	222	111	32	4.25
HS1020108	1-1/2	21.7	267	133	38	7.2
HS1020109	1-3/4	28.4	305	152	45	11.55
HS1020110	2	35	355	178	51	17.2
HS1020111	2-1/4	45	355	178	51	17.2
HS1020112	2-1/2	50	430	220	63	32.1
HS1020113	2-3/4	60	450	250	70	42.5
HS1020114	3	70	450	270	75	50.12

All sizes are forged.
For chain sling: Minimum Ultimate Load is 4 times the Working Load Limit.
For steel rope sling: Minimum Ultimate Load is 5 times the WorkingLoad Limit.
Images for illustrative purposes only.

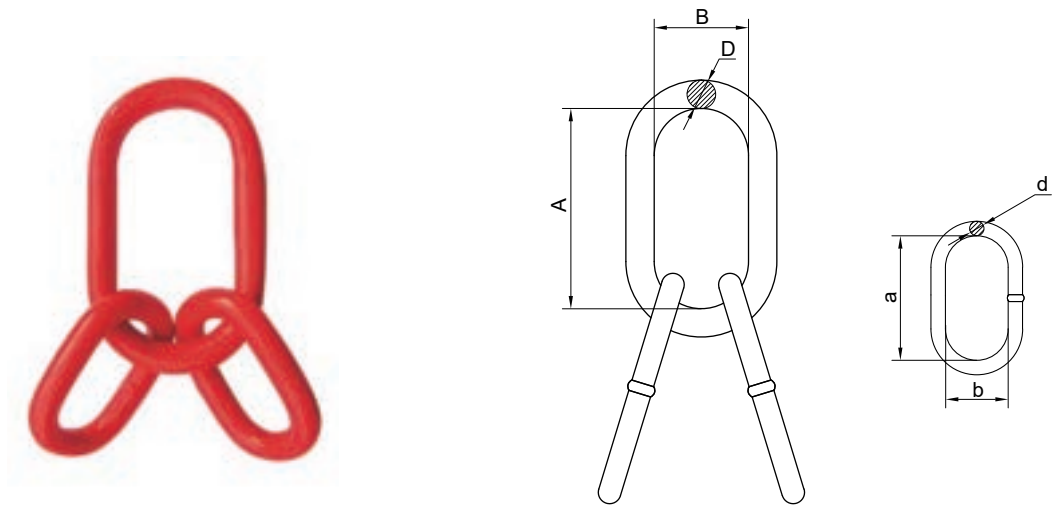
A343 European Type Master Link with Flat



Stock No.	Size (in)	WLL (t)	A (mm)	B (mm)	D (mm)	Weight (kg)
HS1020201	7 6 - 8	1.6	110	60	14	0.40
HS1020202	8 7 - 8	2.12	110	60	16	0.54
HS1020203	10 8 - 8	3.15	135	75	18	0.82
HS1020204	13 10 - 8	5.3	160	90	22	1.48
HS1020205	16 13 - 8	8	180	100	25	2.32
HS1020206	18 16 - 8	11.2	200	110	32	3.95
HS1020207	20 18 - 8	14	260	140	36	6.34
HS1020208	22 20 - 8	17	300	160	40	8.96
HS1020209	26 22 - 8	21.2	340	180	45	12.80
HS1020210	32 26 - 8	31.5	350	190	50	16.55
HS1020211	36 32 - 8	45	406	203	56	23.28
HS1020212	40 36 - 8	56	430	220	63	32.10
HS1020213	72 - 8	63	460	250	72	45.76

Size 76-8 to 2220-8: Welded
Size 2622-8 to 72-8: Forged
Ultimate load is 4 times the Working Load Limit.
WLL based on 0°-45°
Images for illustrative purposes only.

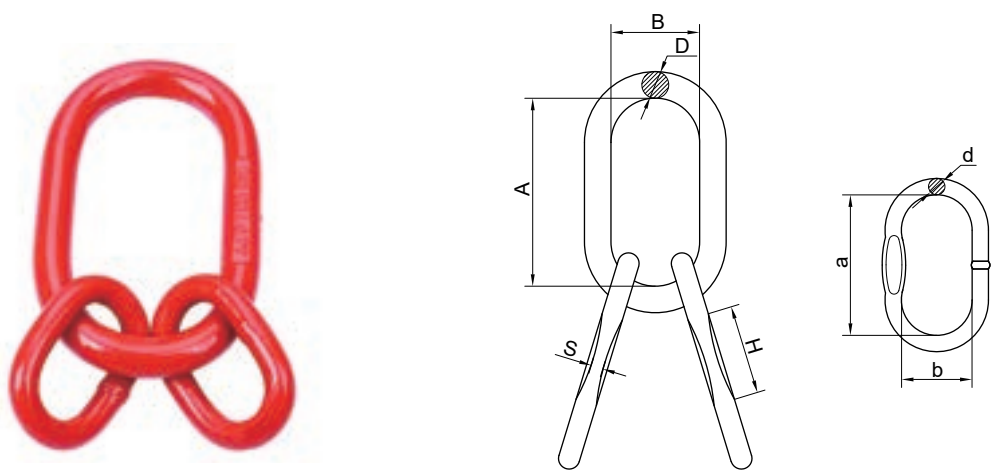
A345 US Type Master Link Assembly



Stock No.	Size (in)	WLL (t)	A (mm)	B (mm)	D (mm)	a (mm)	b (mm)	d (mm)	Weight (kg)
HS1020301	3/4	4.7	140	70	20	60	38	14	1.55
HS1020302	7/8	6.4	160	90	22	80	40	14	2.00
HS1020303	7/8	8	178	89	22	85	40	18	2.70
HS1020304	1	11	178	89	25	100	50	22	4.10
HS1020305	1-1/4	16	222	111	32	100	50	25	7.00
HS1020306	1-1/2	21.7	267	133	38	180	100	28	12.63
HS1020307	1-3/4	28.4	305	152	45	150	75	32	17.50
HS1020308	2	35	355	178	51	180	100	38	27.20
HS1020309	2-1/4	45	406	203	56	200	110	40	35.50
HS1020310	2-1/2	50	430	220	63	200	110	45	48.80
HS1020311	2-3/4	60	450	250	70	300	150	50	71.20
HS1020312	3	70	450	270	75	300	150	55	85.40

Main link: Forged, Sub link: welded
For chain sling: Minimum Ultimate Load is 4 times the Working Load Limit.
For steel rope sling: Minimum Ultimate Load is 5 times the Working Load Limit.
Images for illustrative purposes only.

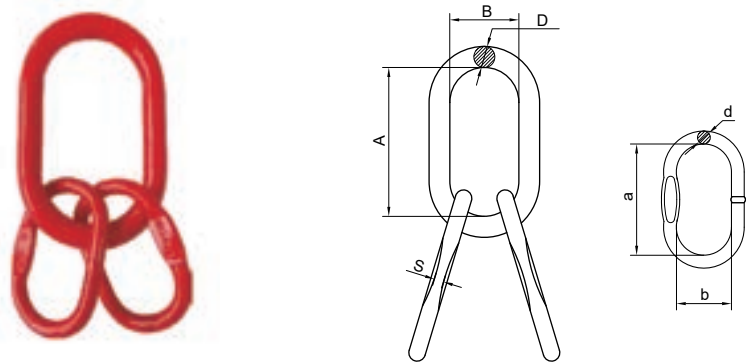
A346 Master Link Assembly



Stock No.	Size (mm)	WLL (t)	A (mm)	B (mm)	D (mm)	a (mm)	b (mm)	d (mm)	Weight (kg)
HS1020401	6 - 8	2.36	135	75	18	54	25	14	1.27
HS1020402	7 - 8	3.15	135	75	18	60	38	14	1.33
HS1020403	8 - 8	4.25	160	90	22	70	34	16	2.19
HS1020404	10 - 8	6.7	180	100	26	85	40	18	3.41
HS1020405	13 - 8	11.2	200	110	32	115	50	22	6.10
HS1020406	16 - 8	17.0	260	140	36	140	65	28	9.98
HS1020407	18 - 8	21.2	340	180	45	180	100	32	20.09
HS1020408	20 - 8	26.5	350	190	50	180	100	32	23.80
HS1020409	22 - 8	31.5	350	190	50	180	100	36	25.96
HS1020410	26 - 8	45	400	200	56	200	110	40	36.20
HS1020411	28 - 8	50	430	220	63	200	110	45	48.76
HS1020412	32 - 8	63	460	250	72	200	110	50	66.88

Size 6-8 to 18-8 Main link: WELDED Sub links: WELDED
Size 20-8 to Main link: FORGED Sub links: WELDED
Ultimate load is 4 times the WorkingLoad Limit.
WLL based on 0°-45°
Images for illustrative purposes only.

A347 US Type Master Link Assembly

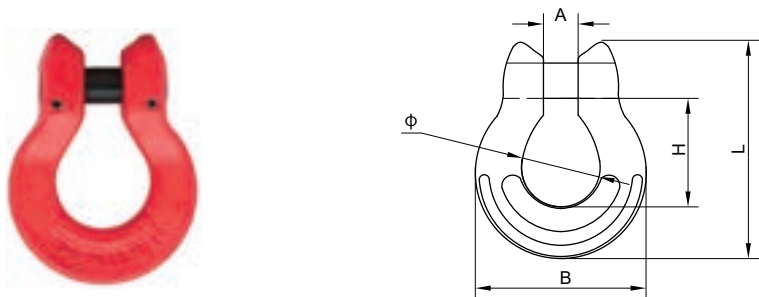


Stock No.	Size (in)	WLL (t)	A (mm)	B (mm)	D (mm)	a (mm)	b (mm)	d (mm)	Weight (kg)
HS1020501	1/2	2.36	100	60	14	85	40	12	0.82
HS1020502	11/16	3.15	160	90	18	100	60	14	1.60
HS1020503	5/8	3.15	160	90	18	100	60	14	1.60
HS1020504	3/4	4.25	160	90	20	100	60	14	1.95
HS1020505	7/8	6.7	180	100	22	150	70	18	3.16
HS1020506	1	10	270	140	25	155	80	20	5.28
HS1020507	1-1/8	11.2	270	140	28	160	90	22	6.75
HS1020508	1-1/4	17	270	140	32	180	100	25	9.31
HS1020509	1-1/2	26.5	300	160	40	270	140	31	18.40
HS1020510	1-3/4	31.5	340	180	45	285	155	36	26.60
HS1020511	2	45	350	190	51	340	180	45	42.91

Size 1 and 2: Main link: welded, Sub link: welded / Other sizes: Main link: forged, Sub link: welded
For chain sling: Ultimate load is 4 times the Working Load Limit. / For steel wire rope sling: Ultimate load is 5 times the Working Load Limit.

Images for illustrative purposes only.

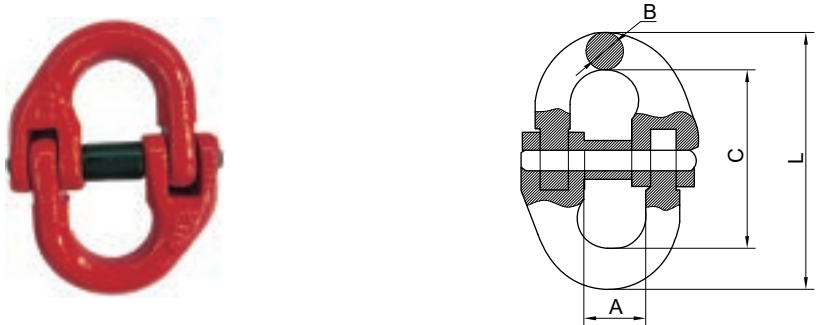
G80 Omega Link



Stock No.	Size (mm)	WLL (t)	A (mm)	B (mm)	H (mm)	L (mm)	ϕ (mm)	Weight (kg)
HS1020601	6-8	1.12	8	41	25	52	21.5	0.12
HS1020602	7/8-8	2	10	52	35	68.5	23.5	0.22
HS1020603	10-8	3.15	12.5	62	40.5	87	31	0.36
HS1020604	13-8	5.3	15	81	54	108	41	0.71
HS1020605	16-8	8	19	99	64	126	49.5	1.12
HS1020606	20-8	12.5	23	118	75.6	152	58	2.1

Ultimate load is 4 times the Working Load Limit. Images for illustrative purposes only.

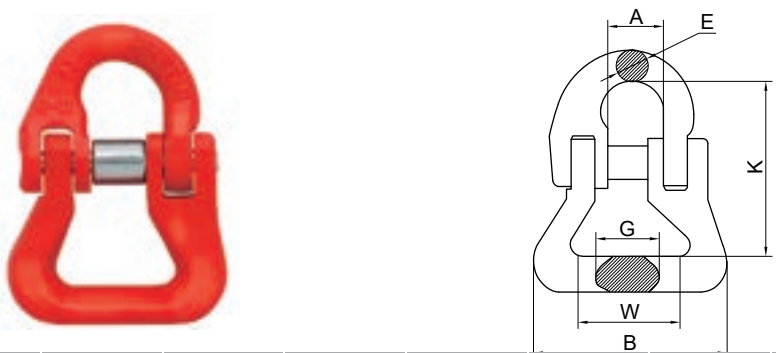
G80 Connecting Link



Stock No.	Size (mm)	WLL (t)	A (mm)	B (mm)	C (mm)	L (mm)	Weight (kg)
HS1020701	6 - 8	1.2	16.20	7.00	42.00	37.00	0.08
HS1020702	7 - 8	2	20.50	8.50	58.00	48.00	0.16
HS1020703	10 - 8	3.2	28.00	10.80	68.00	60.00	0.29
HS1020704	13 - 8	5.3	30.00	15.00	90.00	76.00	0.60
HS1020705	16 - 8	8	36.30	19.80	101.90	91.00	1.10
HS1020706	18 - 20	12.5	44.00	24.00	121.00	109.00	1.80
HS1020707	22 - 8	15	51.00	26.00	141.50	130.00	3.20
HS1020708	26 - 8	21.2	58.00	30.00	161.00	152.00	4.50
HS1020709	32 - 8	31.5	67.50	37.00	197.00	190.00	9.00

Ultimate load is 4 times the Working Load Limit. Images for illustrative purposes only.

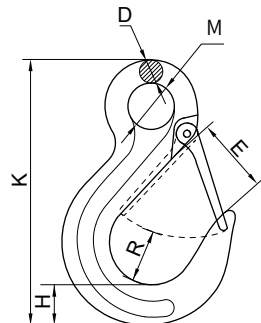
G80 Webbing Connecting Link



Stock No.	Size (mm)	WLL (t)	A (mm)	B (mm)	K (mm)	W (mm)	G (mm)	E (mm)	Weight (kg)
HS1020801	6-8	1.12	15.2	60.0	56.0	40.0	18.0	7.5	0.20
HS1020802	7/8-8	2.0	20.0	61.5	63.7	40.0	24.0	9.5	0.30
HS1020803	10-8	3.2	24.0	66.0	83.0	39.0	30.5	11.0	0.68
HS1020804	13-8	5.3	28.0	88.0	93.7	55.0	36.8	16.5	1.47
HS1020805	16-8	8.0	36.0	131.1	115.4	80.2	42.0	20.0	2.30
HS1020806	20-8	12.5	42.0	129.0	138.0	80.0	51.8	24.5	3.30
HS1020807	22-8	15.0	49.0	191.0	180.0	126.0	80.0	24.5	6.89
HS1020808	26-8	21.2	58.5	228.4	209.0	152.0	82.0	31.5	10.62
HS1020809	32-8	31.5	67.5	252.0	279.0	160.0	91.0	38.5	18.92

Ultimate load is 4 times the Working Load Limit. Images for illustrative purposes only.

G80 Eye Sling Hook with Latch

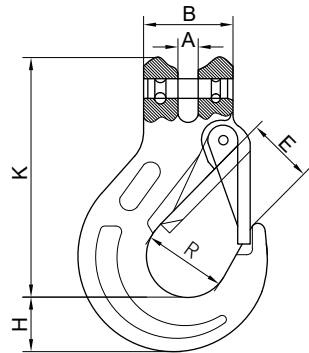


Stock No.	Size (mm)	WLL (t)	K (mm)	M (mm)	D (mm)	R (mm)	H (mm)	E (mm)	Weight (kg)
HS1020901	6-8	1.12	108	20	9	21	19	24	0.31
HS1020902	7/8-8	2	133	25	11	26	24	30	0.45
HS1020903	10-8	3.2	167	38	15	39	32	34	1.09
HS1020904	13-8	5.3	213	43	19	54	42	39	2.07
HS1020905	16-8	8	255	50	23	64	48	46	3.17
HS1020906	20-8	12.5	305	62	24	80	58	60	6.45
HS1020907	22-8	15	348	62	32	80	64	71	8.50
HS1020908	26-8	21.2	394	64	35	82	75	81	13.00
HS1021009	32-8	31.5	480	88	37	112	97	102	17.00

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G80 Clevis Sling Hook with Latch

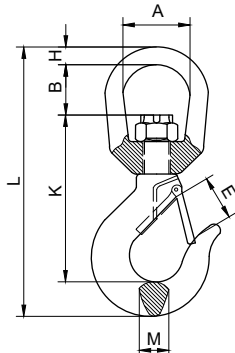


Stock No.	Size (mm)	WLL (t)	A (mm)	B (mm)	R (mm)	H (mm)	K (mm)	E (mm)	Weight (kg)
HS1021001	6-8	1.12	8.0	32.0	35.0	23.0	75.0	26.0	0.41
HS1021002	7/8-8	2	9.5	37.0	37.0	32.5	85.0	29.0	0.65
HS1021003	10-8	3.2	13.0	49.0	46.0	35.0	104.0	39.0	1.05
HS1021004	13-8	5.3	16.5	56.5	56.0	42.5	128.0	47.0	1.67
HS1021005	16-8	8	21.5	70.5	60.0	54.0	150.0	55.0	3.70
HS1021006	20-8	12.5	24.0	77.0	79.0	58.0	180.0	61.0	6.00
HS1021007	22-8	15	27.0	91.0	101.0	62.0	213.0	72.0	10.40
HS1021008	26-8	21.2	30.0	116.0	115.0	75.0	250.0	85.0	14.50
HS1021009	32-8	31.5	36.0	150.0	140.0	88.0	317.0	106.0	27.00

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G80 Swivel Hook with Latch

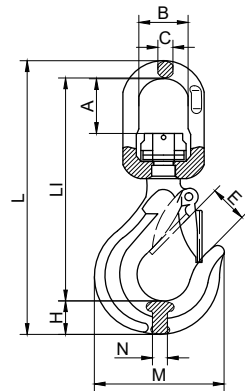


Stock No.	Size (mm)	WLL (t)	A (mm)	E (mm)	B (mm)	H (mm)	K (mm)	L (mm)	M (mm)	Weight (kg)
HS1021101	6-8	1.12	32.0	17.0	22.5	9.0	109.0	137.0	16.0	0.34
HS1021102	8-8	2	42.0	21.5	35.0	15.8	150.0	192.0	21.0	1.02
HS1021103	10-8	3.15	42.5	26.0	35.0	15.8	162.5	208.5	23.0	1.24
HS1021104	13-8	5.3	48.0	32.5	39.0	18.0	191.0	246.0	31.0	3.60
HS1021105	16-8	8	62.0	43.0	53.0	25.0	243.5	313.0	34.0	4.66
HS1021106	20-8	12.5	68.0	49.5	51.0	28.5	276.5	363.5	41.5	7.40
HS1021107	22-8	15	79.0	54.5	65.0	32.0	332.0	431.0	55.7	10.60
HS1021108	26-8	21.2	105.0	81.0	114.0	40.0	429.5	545.5	70.0	21.40
HS1021109	32-8	31.5	105.0	100.0	96.0	40.0	465.3	596.0	76.2	32.00

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G80 Swivel Hook with Latch with Bearing

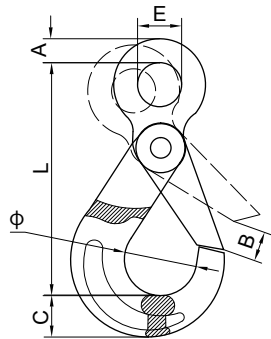


Stock No.	Size (mm)	WLL (t)	A (mm)	B (mm)	E (mm)	M (mm)	L1 (mm)	L (mm)	N (mm)	C (mm)	H (mm)	Weight (kg)
HS1021201	6-8	1.12	32.5	32.5	24.0	69.0	138.0	168.0	16.0	11.0	19.0	0.65
HS1021202	7/8-8	2	45.0	36.0	28.5	88.0	170.0	208.0	20.0	13.0	23.0	0.95
HS1021203	10-8	3.15	53.0	42.0	31.0	105.0	207.0	254.0	23.0	15.5	29.5	1.71
HS1021204	13-8	5.3	63.8	50.0	40.0	135.0	248.0	305.0	32.0	17.0	38.0	3.13
HS1021205	16-8	8	68.0	61.0	45.0	161.0	295.0	367.0	37.5	21.5	45.0	5.44
HS1021206	18/20-8	12.5	90.5	74.0	56.0	194.0	356.0	434.0	49.0	25.0	50.0	9.50
HS1021207	22-8	15	100.5	97.0	70.0	224.0	441.0	536.0	55.0	33.0	62.0	16.00

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G80 Eye Self-Locking Hook

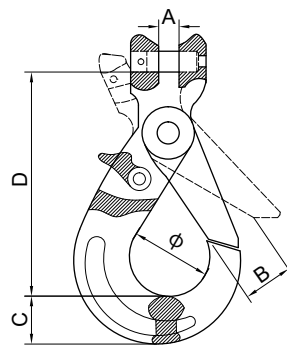


Stock No.	Size (mm)	WLL (t)	A (mm)	B (mm)	Φ (mm)	C (mm)	E (mm)	L (mm)	Weight (kg)
HS1021301	6-8	1.12	10	28	34	20.5	22	110.5	0.46
HS1021302	7/8-8	2	12	34	46	25	25	136	0.79
HS1021303	10-8	3.2	15	44	56	31	32	171	1.52
HS1021304	13-8	5.3	19.5	52	69	42	40.5	208.5	2.87
HS1021305	16-8	8	22	60	86	53	56	257.5	5.69
HS1021306	20-8	12.5	27	81	88	58	64.5	275	7.15
HS1021307	22-8	15	30	82	98	64	70	320	13.40
HS1021308	26-8	21.2	34	110	110	75	80	363	18.00
HS1021309	32-8	31.5	45	168	166	97	105	472	44.50

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G80 Clevis Self-Locking Hook

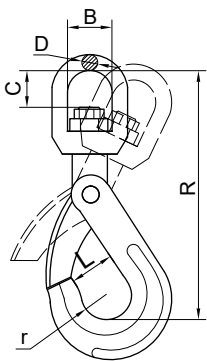


Stock No.	Size (mm)	WLL (t)	A (mm)	B (mm)	Φ (mm)	C (mm)	D (mm)	Weight (kg)
HS1021401	6-8	1.2	8.5	29	34	20.5	99	0.5
HS1021402	7/8-8	2	9.5	34	46	25	123	0.86
HS1021403	10-8	3.2	12	44	56	31	146	1.41
HS1021404	13-8	5.3	15	52	69	42	185	2.73
HS1021405	16-8	8	18	60	86	53	222	5.6
HS1021406	20-8	12.5	26	83	88	58	240	6.5
HS1021407	22-8	15	28	88	98	64	276.5	16
HS1021408	26-8	21.2	30	95.5	110	75	310.5	18.5
HS1021409	32-8	31.5	36	160	166	97	400.5	49.1

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G80 Swivel Self-Locking Hook with Bearing

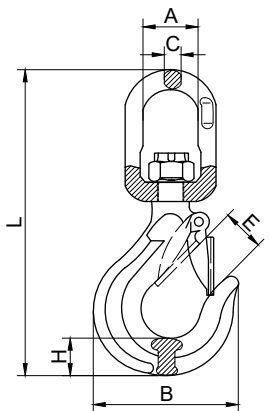


Stock No.	Size (mm)	WLL (t)	L (mm)	R (mm)	r (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)
HS1021501	6-8	1.12	24.0	138.0	16.0	32.5	32.5	11.0	0.65
HS1021502	7/8-8	2	28.5	170.0	20.0	36.0	45.0	13.0	0.95
HS1021503	10-8	3.15	31.0	207.0	23.0	42.0	53.0	15.5	1.71
HS1021504	13-8	5.3	40.0	248.0	32.0	50.0	63.8	17.0	3.13
HS1021505	16-8	8	45.0	295.0	37.5	61.0	68.0	21.5	5.44
HS1021506	20-8	12.5	56.0	356.0	48.0	74.0	90.5	25.0	9.50
HS1021507	22-8	15	70.0	441.0	55.0	97.0	100.5	33.0	16.00

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G80 Swivel Self-Locking Hook without Bearing

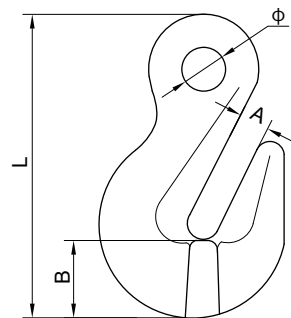


Stock No.	Size (mm)	WLL (t)	A (mm)	B (mm)	E (mm)	H (mm)	C (mm)	L (mm)	Weight (kg)
HS1021601	7/8-8	2	35.5	88.5	27.0	23.5	25.0	190.0	0.85
HS1021602	10-8	3.15	42.0	104.5	32.0	29.5	34.0	233.0	1.54
HS1021603	13-8	5.3	49.0	135.0	40.0	38.0	41.0	291.5	3.04
HS1021604	16-8	8	61.0	161.0	45.0	45.4	53.0	352.0	5.36

Ultimate load is 5 times the Working Load Limit.

Images for illustrative purposes only.

G80 Eye Shortening Grab Hook

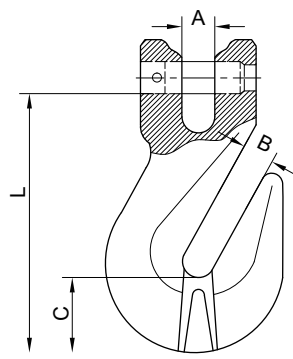


Stock No.	Size (mm)	WLL (t)	ϕ (mm)	A (mm)	B (mm)	L (mm)	Weight (kg)
HS1021701	6-8	1.2	13.5	8	16	75.2	0.135
HS1021702	7/8-8	2	17	10.8	18.5	88.5	0.25
HS1021703	10-8	3.2	20	13	29	121.5	0.7
HS1021704	13-8	5.3	26	16.5	42.8	158	1.325
HS1021705	16-8	8	30	19.2	45.7	169	2.3
HS1021706	20-8	12.5	37	24	56	219	4.6
HS1021707	22-8	15	44	28	68	259	8.2
HS1021708	26-8	21.2	48	30	77	298	9.8
HS1021709	32-8	31.5	57	38	95	361	19.4

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G80 Clevis Shortening Grab Hook

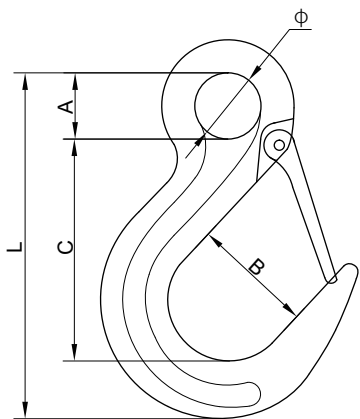


Stock No.	Size (mm)	WLL (t)	A (mm)	B (mm)	C (mm)	L (mm)	Weight (kg)
HS1021801	6-8	1.2	8	8.3	17.7	75	0.12
HS1021802	7/8-8	2	9.5	11	18.5	89	0.24
HS1021803	10-8	3.2	12.5	13	29	126	0.68
HS1021804	13-8	5.3	15	16.5	42.5	163.5	1.3
HS1021805	16-8	8	18.5	19	45.7	183.5	2.28
HS1021806	20-8	12.5	23	24	56	219	4.25
HS1021807	22-8	15	27	27	68.5	254	6.3
HS1021808	26-8	21.2	30	30	77	309	14.5

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

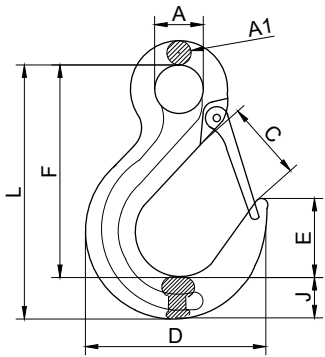
G80 Container Hook



Stock No.	WLL (t)	BL (t)	Dimensions(mm)					Weight (kg)
			ϕ	A	B	C	L	
HS1021901	2	8	24	27	46.5	84	147	0.54
HS1021902	3	12	30	35	49	95	179	1.4
HS1021903	5	20	36	39	55	110	203	1.8
HS1021904	8	32	42	52	68	128	251	3.4

Images for illustrative purposes only.

G80 Eye Foundry Hook

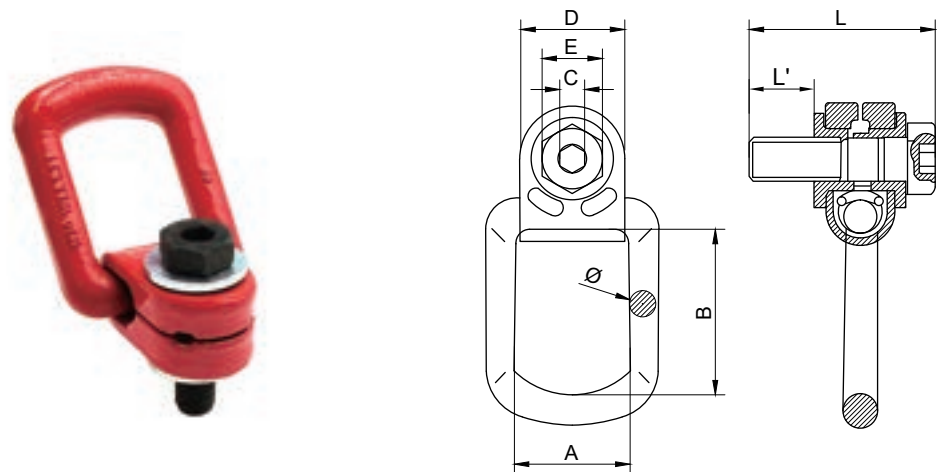


Stock No.	WLL (t)	A (mm)	A1 (mm)	C (mm)	D (mm)	E (mm)	F (mm)	L (mm)	J (mm)	Weight (kg)
HS1022001	1.12	21	10	48.6	102	34.9	102	133	20.6	0.38
HS1022002	2	24	13	58.5	128.7	40.5	116.4	158	28.2	0.72
HS1022003	3.2	31	15	59	127.2	40	130.4	175.6	30	0.98
HS1022004	3.8	31.6	15	75	149	47.9	151.5	195	29.8	1.23
HS1022005	5.4	40.3	19.5	88.5	182.5	59.3	183.2	241.4	38.9	2.32
HS1022006	8	49	26	99	213.5	70.5	212.5	284.2	46.7	4.52
HS1022007	12.5	66	28	109.4	244.5	83	247.9	328.4	52.5	6.45
HS1022008	15	66	28	109.4	244.5	83	247.9	328.4	52.5	12.1

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G80 Pivoting Lifting Screw

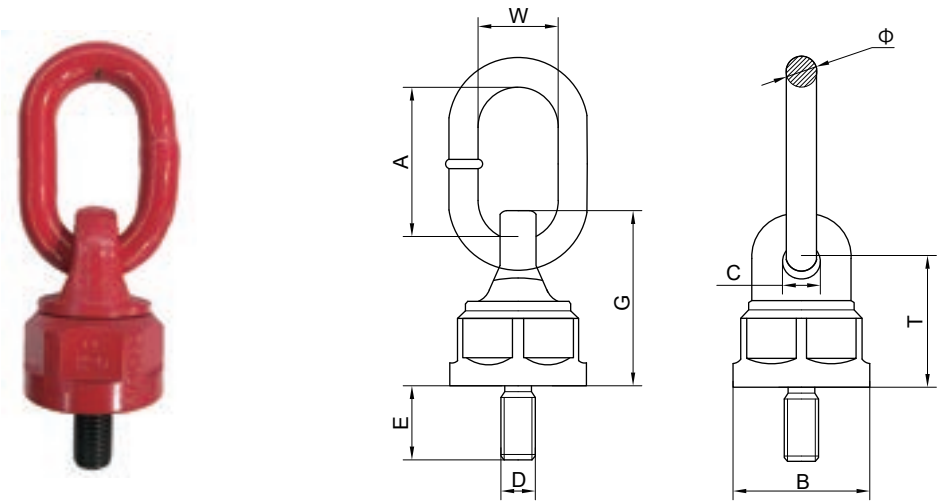


Stock No.	Size	WLL (t)	RTorque (N.m)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	L (mm)	L' (mm)	Φ (mm)	Weight (kg)
HS1022101	M8	0.3	20 - 30	35	52.5	6	30	13	46	10	10	0.36
HS1022102	M8x76	0.3	20 - 30	35	52.5	6	30	13	111	76	10	0.39
HS1022103	M10	0.63	50 - 60	35	52.5	6	30	17	52	15	10	0.38
HS1022104	M10x96	0.63	50 - 60	35	52.5	6	30	17	132	96	10	0.43
HS1022105	M12	1	80 - 100	40	55	8	36	19	62	17.6	14	0.71
HS1022106	M12x114	1	80 - 100	40	55	8	36	19	158	114	14	0.8
HS1022107	M14	1.2	100 - 120	40	55	10	36	22	66	20.6	14	0.72
HS1022108	M14x140	1.2	100 - 120	40	55	10	36	22	66	140	14	0.86
HS1022109	M16	1.5	130 - 150	40	55	10	36	24	70	23.6	14	0.74
HS1022110	M16x30	1.5	130 - 150	40	55	10	36	24	76	30	14	0.745
HS1022111	M16x40	1.5	130 - 150	40	55	10	36	24	86	40	14	0.75
HS1022112	M16x100	1.5	130 - 150	40	55	10	36	24	146	100	14	0.85
HS1022113	M16x149	1.5	130 - 150	40	55	10	36	24	195	149	14	0.92
HS1022114	M16x194	1.5	130 - 150	40	55	10	36	24	240	194	14	0.99
HS1022115	M18x26	2	180 - 200	54	80	12	50	30	83	26	14	1.16
HS1022116	M18x180	2	180 - 200	54	80	12	50	30	237	180	14	1.47
HS1022117	M20	2.5	220 - 250	54	80	12	50	30	86	30	14	1.18
HS1022118	M20x55	2.5	220 - 250	54	80	12	50	30	111	55	14	1.23
HS1022119	M20x60	2.5	220 - 250	54	80	12	50	30	116	60	14	1.23
HS1022120	M20x100	2.5	220 - 250	54	80	12	50	30	156	100	14	1.32
HS1022121	M20x187	2.5	220 - 250	54	80	12	50	30	243	187	14	1.49
HS1022122	M24x35	4	380 - 400	54	94	14	50	36	93	35	14	1.36
HS1022123	M24x40	4	380 - 400	54	94	14	50	36	98	40	14	1.39
HS1022124	M24x60	4	380 - 400	54	94	14	50	36	118	60	14	1.43
HS1022125	M24x80	4	380 - 400	54	94	14	50	36	138	80	14	1.5
HS1022126	M24x100	4	380 - 400	54	94	14	50	36	158	100	14	1.56
HS1022127	M24x222	4	380 - 400	54	94	14	50	36	280	222	14	1.89

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G80 Universal Lifting Swivel

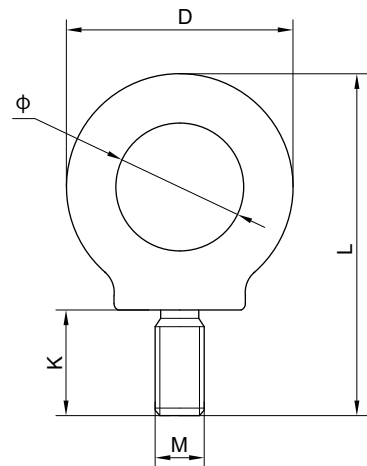


Stock No.	Size	WLL(t)		A (mm)	B (mm)	C (mm)	G (mm)	T (mm)	W (mm)	Φ (mm)	Weight (kg)
		90°	0°								
HS1022201	M8x13	0.3	0.6	55.0	36.0	15.5	52.0	44.0	30.0	13.0	0.43
HS1022202	M10x19	0.45	0.9	55.0	36.0	15.5	52.0	44.0	30.0	13.0	0.45
HS1022203	M12x19	0.5	1.0	55.0	36.0	15.5	52.0	44.0	30.0	13.0	0.46
HS1022204	M12x31.8	0.5	1.0	55.0	36.0	15.5	52.0	44.0	30.0	13.0	0.47
HS1022205	M14x22	1.1	2.0	55.0	36.0	15.5	52.0	44.0	30.0	13.0	0.48
HS1022206	M14x31.8	1.1	2.0	55.0	36.0	15.5	52.0	44.0	30.0	13.0	0.49
HS1022207	M16x31.8	1.1	2.0	55.0	36.0	15.5	52.0	44.0	30.0	13.0	0.50
HS1022208	M20x30	2.0	4.0	85.0	60.0	22.5	81.0	69.0	40.0	18.0	1.57
HS1022209	M20x38.1	2.0	4.0	85.0	60.0	22.5	81.0	69.0	40.0	18.0	1.58
HS1022110	M22x30	2.0	4.0	85.0	60.0	22.5	81.0	69.0	40.0	18.0	1.58
HS1022211	M22x38.1	2.0	4.0	85.0	60.0	22.5	81.0	69.0	40.0	18.0	1.59
HS1022212	M24x30	3.15	6.3	85.0	60.0	22.5	81.0	69.0	40.0	18.0	1.61
HS1022213	M24x38.1	3.15	6.3	85.0	60.0	22.5	81.0	69.0	40.0	18.0	1.62
HS1022214	M27x35	3.15	6.3	85.0	60.0	22.5	81.0	69.0	40.0	18.0	1.62
HS1022215	M30x35	5.3	10.6	115.0	80.0	26.5	110.0	90.0	50.0	25.0	3.72
HS1022216	M30x50	5.3	10.6	115.0	80.0	26.5	110.0	90.0	50.0	25.0	3.75
HS1022217	M33x35	8.0	11.8	115.0	80.0	26.5	110.0	90.0	50.0	25.0	3.75
HS1022218	M33x50	8.0	11.8	115.0	80.0	26.5	110.0	90.0	50.0	25.0	3.77
HS1022219	M36x54	8.0	11.8	115.0	80.0	26.5	110.0	90.0	50.0	25.0	3.81
HS1022220	M39x58	8.0	11.8	115.0	80.0	26.5	110.0	90.0	50.0	25.0	3.86
HS1022221	M42x63	10.0	15	135.0	93.0	31.0	122.5	100.0	65.0	28.0	3.88
HS1022222	M45x68	10.0	15	135.0	93.0	31.0	122.5	100.0	65.0	28.0	3.92
HS1022223	M48x68	10.0	15	135.0	93.0	31.0	122.5	100.0	65.0	28.0	3.95
HS1022224	M56x84	15.0	20	150.0	105.0	38.0	158.0	132.0	70.0	32.0	8.10
HS1022225	M60x90	15.0	20	150.0	105.0	38.0	158.0	132.0	70.0	32.0	8.85
HS1022226	M64x95	15.0	20	150.0	105.0	38.0	158.0	132.0	70.0	32.0	9.00

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G80 Eye Bolt

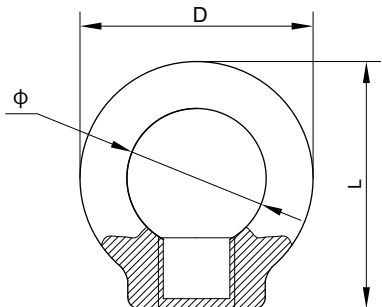


Stock No.	Size	WLL(t)		D (mm)	K (mm)	φ (mm)	L (mm)	Weight (kg)
		0°	90°					
HS1022301	M6	0.4	0.15	45	13	25	58	0.05
HS1022302	M8	0.8	0.4	45	13	25	58	0.06
HS1022303	M10	1	0.4	45	17	25	62	0.11
HS1022304	M12	2	0.75	54	20.5	30	73.5	0.18
HS1022305	M14	3	1	63	27	35	83	0.28
HS1022306	M16	4	1.5	63	27	35	89	0.28
HS1022307	M18	5	2	72	30	40	101	0.45
HS1022308	M20	6	2.3	72	30	40	101	0.45
HS1022309	M24	8	3.2	90	36	50	128	0.87
HS1022310	M27	10	4	90	36	50	128	0.87
HS1022311	M30	12	4.5	108	45	60	154	1.66
HS1022312	M33	14	5	108	45	60	154	1.66
HS1022313	M36	16	7	126	54	70	183	2.65
HS1022314	M39	20	8	126	54	70	183	2.65
HS1022315	M42	24	9	144	63	80	211	4.03
HS1022316	M45	28	10	144	63	80	211	4.06
HS1022317	M48	32	12	166	68	90	235	6.38
HS1022318	M52	36	13.5	166	68	90	235	6.38
HS1022319	M56	40	15	184	78	100	265	8.46
HS1022320	M64	50	17	206	90	110	298	12.1

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G80 Eye Nut

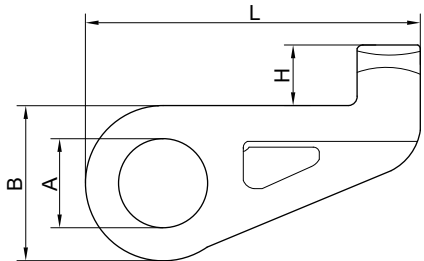


Stock No.	Size	WLL(t)		D (mm)	φ (mm)	L (mm)	Weight (kg)
		0°	90°				
HS1022401	M6	0.4	0.15	45	25	45	0.05
HS1022402	M8	0.8	0.4	45	25	45	0.05
HS1022403	M10	1	0.4	45	25	45	0.09
HS1022404	M12	2	0.75	54	30	53	0.16
HS1022405	M16	4	1.5	63	35	62	0.24
HS1022406	M20	6	2.3	72	40	71	0.36
HS1022407	M24	8	3.2	90	50	90	0.72
HS1022408	M30	12	4.5	108	60	109	1.32
HS1022409	M36	16	7	126	70	128	2.08
HS1022410	M42	24	9	144	80	147	3.11
HS1022411	M48	32	12	166	90	169	5.02
HS1022412	M56	40	15	184	100	191.8	6.67
HS1022413	M64	50	17	206	110	209	9.24

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G80 Container Lifting

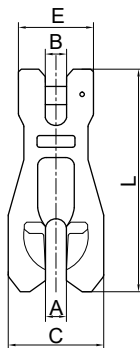


Stock No.	Type	WLL (t)	A (mm)	B (mm)	H (mm)	L (mm)	Weight (kg)
HS1022501	Left	12.5	68.0	120.4	45.0	254.2	4.33
HS1022502	Right	12.5	68.0	120.4	45.0	254.2	4.33
HS1022503	Straight	12.5	68.0	120.4	45.0	254.2	4.33

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G80 Clevis Chain Clutch

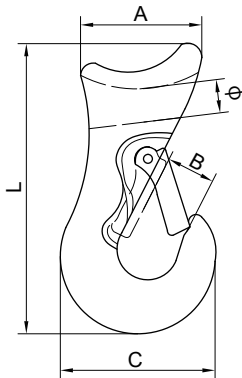


Stock No.	Size (mm)	WLL (t)	A (mm)	B (mm)	C (mm)	E (mm)	L (mm)	Weight (kg)
HS1022601	6-8	1.12	7.7	7.7	33.5	31.0	72.5	0.17
HS1022602	7/8-8	2	9.5	9.5	45.0	36.0	100.5	0.40
HS1022603	10-8	3.15	13.0	13.0	55.0	48.0	137.0	0.97
HS1022604	13-8	5.3	16.0	16.0	75.0	59.0	177.0	1.85
HS1022605	16-8	8	21.0	21.0	91.0	73.0	218.0	3.68
HS1022606	18/20-8	12.5	23.0	23.0	100.0	80.0	235.0	4.43
HS1022607	22-8	15	25.5	25.5	118.0	98.0	294.0	8.50
HS1022608	26-8	21.2	30.0	30.0	144.0	110.0	362.0	15.00

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G80 Sliding Choke Hook

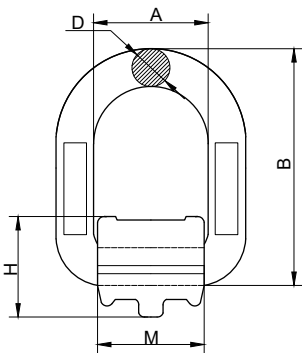


Stock No.	WLL (t)	ϕ (mm)	A (mm)	B (mm)	C (mm)	L (mm)	Weight (kg)
HS1022701	1.6	17	50.2	18	72	132	0.67
HS1022702	2	22	63.6	20	80	152	1.2
HS1022703	3	28	67.4	31	103	170	1.9
HS1022704	5	32.5	85.8	33	138	214	4.9

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G80 Forged D-Ring with Wrap

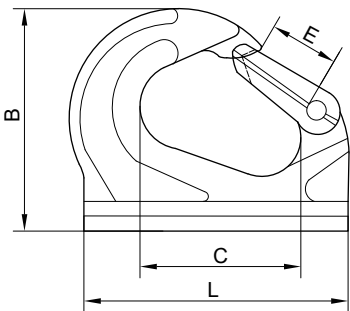


Stock No.	WLL (t)	A (mm)	B (mm)	D (mm)	H (mm)	M (mm)	Weight (kg)
HS1022801	1.12	41	78	13	30	37	0.40
HS1022802	2	42	88	14	34	40	0.48
HS1022803	3.15	45	94	17	37	42.5	0.69
HS1022804	5.3	55	118	22	47.5	51	1.50
HS1022805	8	70	140	26	57	66	2.50
HS1022806	10	85	164	28	62	77	3.50
HS1022807	15	98	188	34	74	89	5.79
HS1022808	20	147	278	46	85	121	15.10

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G80 Welded Bucket Hook

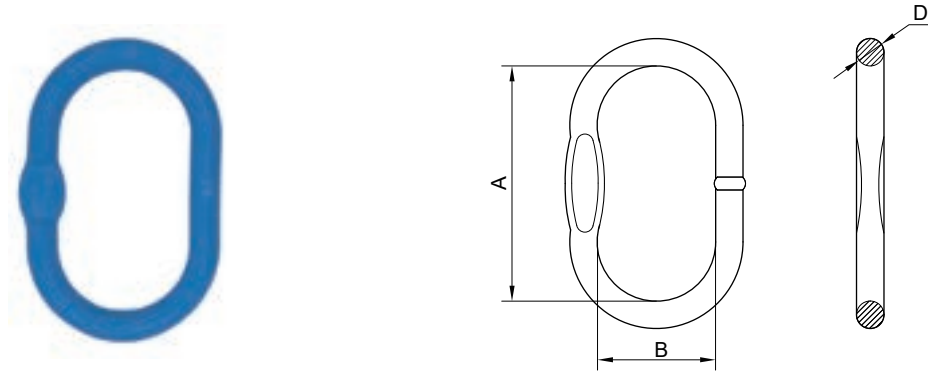


Stock No.	WLL (t)	B (mm)	C (mm)	E (mm)	L (mm)	Weight (kg)
HS1022901	1	79.5	59.0	23.0	89.5	0.60
HS1022902	2	92.0	65.0	26.5	81.0	0.88
HS1022903	3	106.0	74.5	31.0	115.0	1.20
HS1022904	5	133.0	97.0	37.4	158.4	2.52
HS1022905	8	139.1	93.5	35.4	164.0	3.26
HS1022906	10	165.4	138.3	51.0	202.5	5.17

Ultimate load is 5 times the Working Load Limit.

Images for illustrative purposes only.

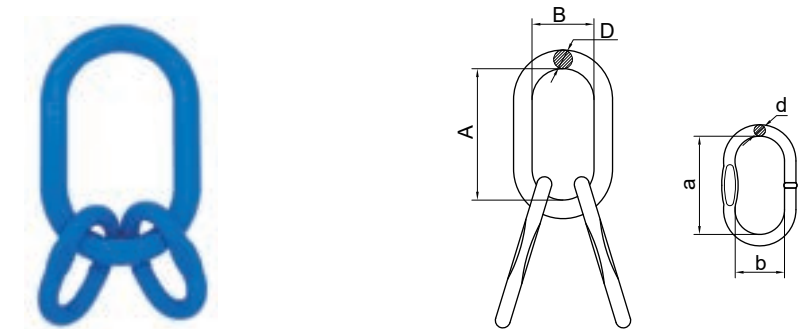
G100 Master Link



Stock No.	Size (mm)	WLL (t)	Dimensions (mm)			Weight (kg)
			A	B	D	
HS1030101	6-10	1.4	100	60	11	0.23
HS1030102	8/6-10	2.5	120	70	13	0.4
HS1030103	10/8-10	4	140	80	17	0.7
HS1030104	13/10-10	7.5	160	95	22	1.5
HS1030105	16-10	10	190	110	26	2.2
HS1030106	16/13-10	12.5	180	100	27	2.51
HS1030107	20/16-10	17	240	140	32	5.1
HS1030108	22/20-10	25	250	150	38	7.2
HS1030109	26/22-10	26.5	250	150	41	8.3
HS1030110	32/26-10	39.3	300	180	48	13.6

Ultimate Load is 5 times the Working Load Limit.

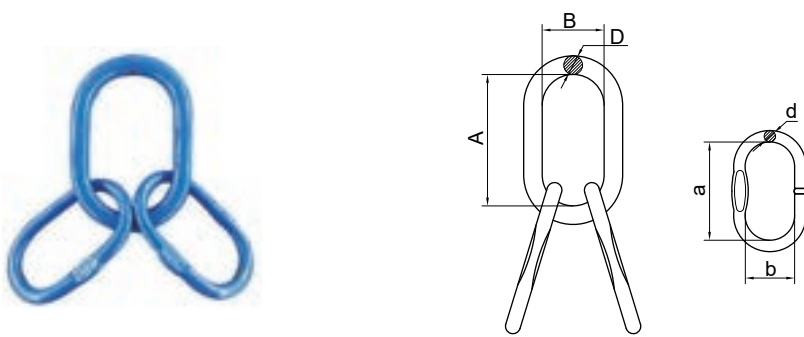
G100 Master Link Assembly



Stock No.	Size (mm)	WLL (t)	Dimensions(mm)						Weight (kg)
			A	B	D	a	b	d	
HS1030201	6-10	3	135	75	19	54	25	13	1.3
HS1030202	8-10	5.3	160	90	23	70	34	16.5	2.33
HS1030203	10-10	8	180	100	27	85	40	19	3.7
HS1030204	13-10	14	200	110	33	115	50	23	6.5
HS1030205	16-10	21.2	260	140	36	140	65	27	10.1
HS1030206	18/20-10	33.6	350	190	50	180	90	33	22.8
HS1030207	22-10	33.9	350	190	50	180	100	36	26

Ultimate Load is 5 times the Working Load Limit.

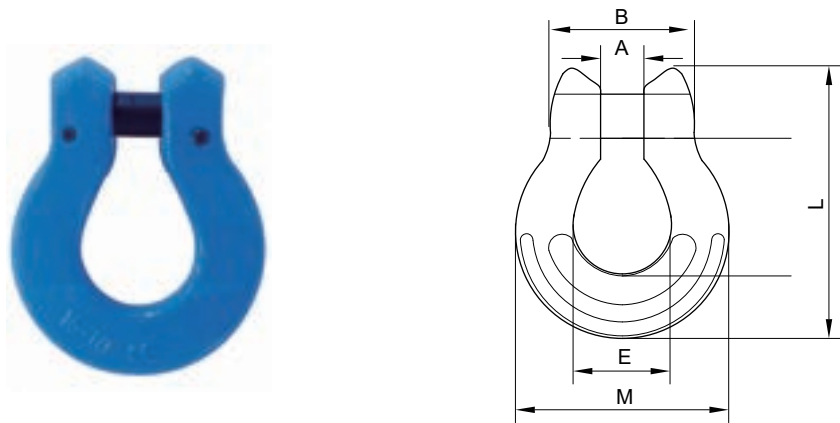
G100 Master Link Assembly



Stock No.	Size (mm)	WLL (t)	Dimensions (mm)						Weight (kg)
			A	B	D	a	b	d	
HS1030301	6-10	3.5	150	90	19	120	70	14	1.8
HS1030302	8-10	5	160	95	22	140	80	18	3
HS1030303	10-10	11.5	200	120	30	160	95	22	6.5
HS1030304	13-10	17	250	150	40	190	110	26	15
HS1030305	16-10	28	300	200	50	200	120	32	23

Ultimate load is 4 times the Working Load Limit.

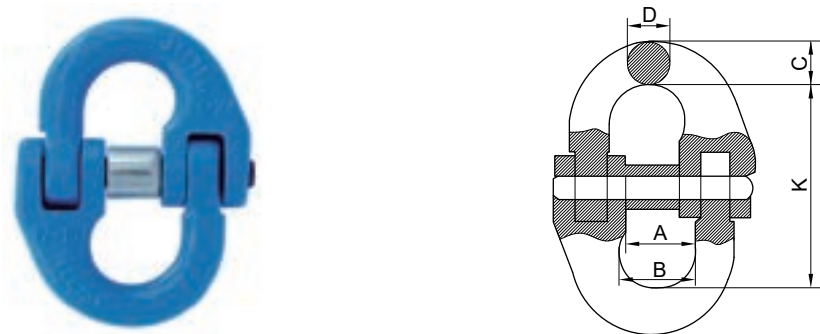
G100 Omega Link



Stock No.	Size (mm)	WLL (t)	Dimensions(mm)					Weight (kg)
			A	B	E	M	L	
HS1030401	6-10	1.4	8.5	32.5	20	44	55	0.12
HS1030402	8-10	2.5	10.5	42	24	60	73.5	0.27
HS1030403	10-10	4	12.5	48.5	31	70	90	0.44
HS1030404	13-10	6.7	16	60	38.8	90	109	0.89
HS1030405	16-10	10	19	75.5	51	112	141.5	1.77

Ultimate Load is 4 times the Working Load Limit.

G100 Connecting Link

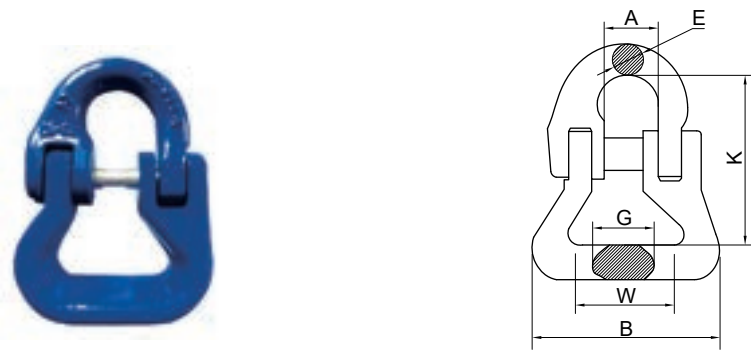


Stock No.	Size (mm)	WLL (t)	Dimensions(mm)					Weight (kg)
			A	B	C	D	K	
HS1030501	6-10	1.4	14	16.9	8.5	7	44.5	0.08
HS1030502	7-10	1.9	18.5	22.5	10	8.2	59	0.16
HS1030503	7/8-10	2.5	18.5	22	11	8.5	59	0.17
HS1030504	8-10	2.5	18.5	22.7	10.5	10	63	0.18
HS1030505	10-10	4	23	22.7	12.6	12.6	71	0.34
HS1030506	13-10	6.7	28	33.2	16.5	16.5	92.5	0.68
HS1030507	16-10	10	33.5	39	20	20	106.5	1.22
HS1030508	20-10	16	42	47.3	25	25	123	2.13
HS1030509	22-10	19	48	55	27	27	137.5	3
HS1030510	26-10	26.5	61	68	32	32	163	5.2
HS1030511	32-10	39.3	80	87	40	40	197	9.55

Ultimate Load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G100 Webbing Connecting Link



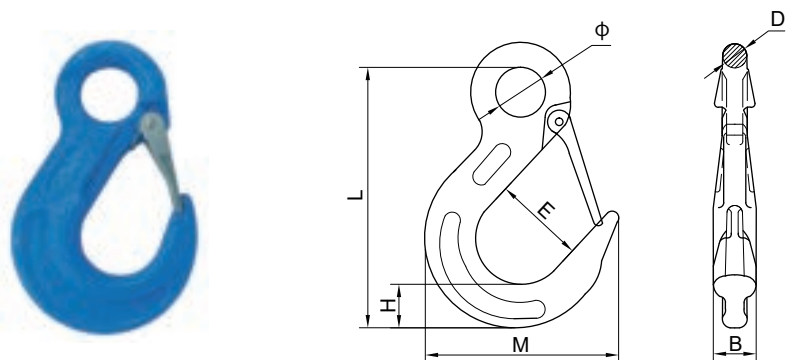
Stock No.	Size (mm)	WLL (t)	Dimensions(mm)						Weight (kg)
			A	B	K	W	G	E	
HS1030601	6-10	1.4	15.2	60.0	56.0	40.0	18.0	7.5	0.20
HS1030602	8-10	2.5	19.0	69.6	65.8	45.6	22.4	9.0	0.30
HS1030603	10-10	4	23.0	90.7	75.9	56.5	28.9	12.5	0.68
HS1030604	13-10	6.7	30.6	104.4	95.6	65.4	34.5	15.8	1.47
HS1030605	16-10	10	36.1	131.1	115.4	80.2	42.0	19.8	2.30
HS1030606	20-10	16	43.3	129.0	138.0	80.0	51.8	24.0	3.30

Ultimate Load is 4 times the Working Load Limit.

Ultimate load is 5 times the Working Load Limit.

Images for illustrative purposes only.

G100 Eye Sling Hook with Cast Latch

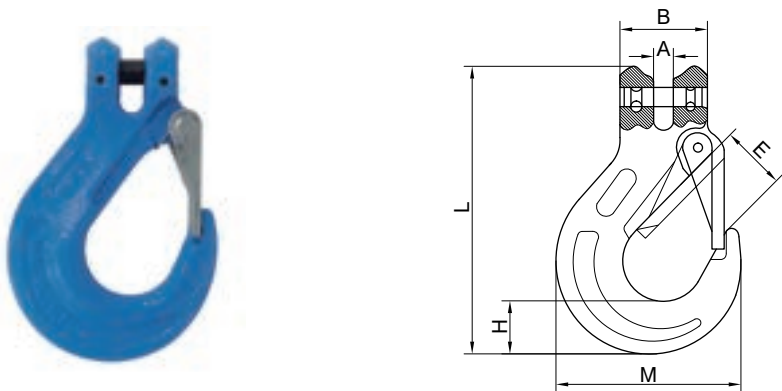


Stock No.	Size (mm)	WLL (t)	Dimensions (mm)							Weight (kg)
			B	D	E	H	Φ	M	L	
HS1030701	6-10	1.4	16.5	10	18.5	21	20.5	68	111	0.32
HS1030702	7-10	1.9	15	11	25.5	26	25	86.9	137	0.4
HS1030703	8-10	2.5	19	11	25	27.5	25	87.6	137	0.6
HS1030704	10-10	4	26	16	29.5	32	35	106.4	171.5	1.2
HS1030705	13-10	6.7	33	19	38	43.5	43	134	219	2.2
HS1030706	16-10	10	40	24.5	46	50	51	158	260	3.5
HS1030707	20-10	16	48	27	52	56	55	190	298	6.2
HS1030708	22-10	19	50	29	66	62	60	210	330	11.5
HS1030709	26-10	26.5	60	35	73	75	70	245	376	12.2
HS1030710	32-10	39.3	71	39	87	89	81.5	270	458	17.5

Ultimate Load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G100 Clevis Sling Hook with Cast Latch

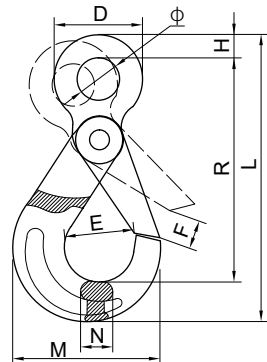


Stock No.	Size (mm)	WLL (t)	Dimensions (mm)						Weight (kg)
			A	B	E	H	M	L	
HS1030801	6-10	1.4	7.5	32	18.5	21	68.5	109	0.33
HS1030802	8-10	2.5	9.5	37	25	27.5	88	134	0.7
HS1030803	10-10	4	12	48	28	33.5	105.5	161.5	1.3
HS1030804	13-10	6.7	15	59	38	42	134	203	2.3
HS1030805	16-10	10	18.5	70	44	50	160.5	248	3.6
HS1030806	20-10	16	25	85	52	56	190.5	297	7
HS1030807	22-10	19	27	100	66	62	214.5	326	12.1

Ultimate Load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G100 Eye Self-Locking Hook

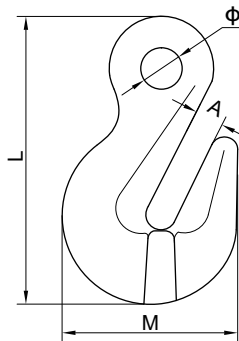


Stock No.	Size (mm)	WLL (t)	Dimensions(mm)								Weight (kg)
			Φ	D	E	F	R	M	L	H	
HS1030901	6-10	1.4	21	43	28	31	110	73	141	11	0.5
HS1030902	7-10	1.9	27	51	31	34	127	81	162	12	0.72
HS1030903	8-10	2.5	27	51	36	40	137	90	175	12	0.81
HS1030904	10-10	4	34.5	64.5	45	46	170	108	212	15	1.5
HS1030905	13-10	6.7	40	80	53.6	66	209	137.5	269	20	2.7
HS1030906	16-10	10	50	104	61	75	256	170.5	333	27	5.7
HS1030907	20-10	16	60	124	76.5	80	277	191.5	368.5	30	7.9
HS1030908	22-10	19	70	139	76	104	319	205	417	33	11.2
HS1030909	26-10	26.5	76	154	99	107	370	251	489	38	20.5

Ultimate Load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G100 Eye Shortening Grab Hook

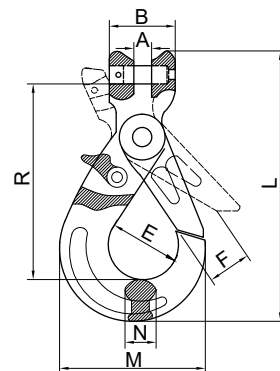


Stock No.	Size (mm)	WLL (t)	A (mm)	Φ (mm)	M (mm)	L (mm)	Weight (kg)
HS1031101	6-10	1.4	8	13.5	43.5	73	0.15
HS1031102	8-10	2.5	11	17.5	53	93	0.3
HS1031103	10-10	4	13.5	22	74	129	0.79
HS1031104	13-10	6.7	15	28	96	166	1.67
HS1031105	16-10	10	19	36	116	186	2.74
HS1031106	20-10	16	24	44	145	225	4.72
HS1031107	22-10	19	27	48.5	160.5	260.5	8.2
HS1031108	26-10	26.5	34	52	190	311	11.35

Ultimate Load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G100 Clevis Self-Locking Hook

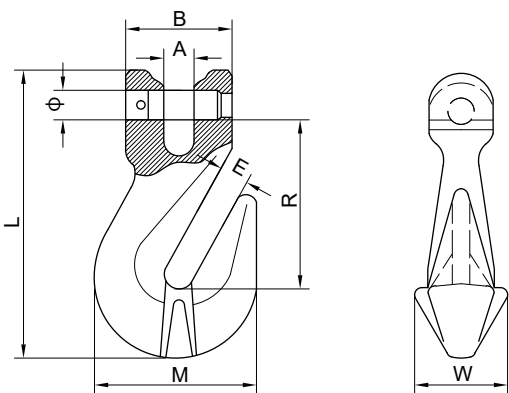


Stock No.	Size (mm)	WLL (t)	Dimensions (mm)							Weight (kg)
			A	B	E	F	R	M	L	
HS1031001	6-10	1.4	8	32	28	31.5	96	73	131	0.5
HS1031002	8-10	2.5	9.5	36	36	40	121	90	163	0.9
HS1031003	10-10	4	12	46	45	46	144	109	194	1.4
HS1031004	13-10	6.7	15	59	53.5	66	182	137	251	2.9
HS1031005	16-10	10	18.5	70	62	75	220	168	303	5.5
HS1031006	18-10	12.5	22	78	73	76	227	183	322	8.5
HS1031007	20-10	16	25	85	76.5	80	235	190	337	8.6
HS1031008	22-10	19	25.5	98	76	104	271	202	386	12.1
HS1031009	26-10	26.5	30	118	99	107	343	251	484	21.15

Ultimate Load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G100 Clevis Shortening Grab Hook

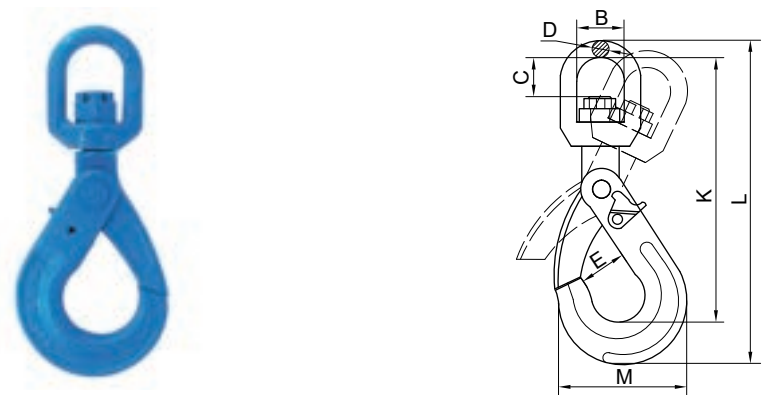


Stock No.	Size (mm)	WLL (t)	A (mm)	B (mm)	E (mm)	M (mm)	W (mm)	R (mm)	L (mm)	Φ (mm)	Weight (kg)
HS1031201	6-10	1.4	7.5	32	8	43.5	25.5	44.5	77.3	7.6	0.22
HS1031202	8-10	2.5	9.5	36	11	54	33.5	53	93	9.8	0.34
HS1031203	10-10	4	12.5	46	13.5	72	42	73	127	13	0.82
HS1031204	13-10	6.7	15	59	15	96	53.5	92	164	15.8	1.75
HS1031205	16-10	10	18.5	70	19	115	74	99	188	19.5	2.88
HS1031206	20-10	16	24	85	24	142	74	123	221	24	4.84
HS1031207	22-10	19	27	100	27	159	90	141	260	28	8.3

Ultimate Load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G100 Swivel Self-Locking Hook

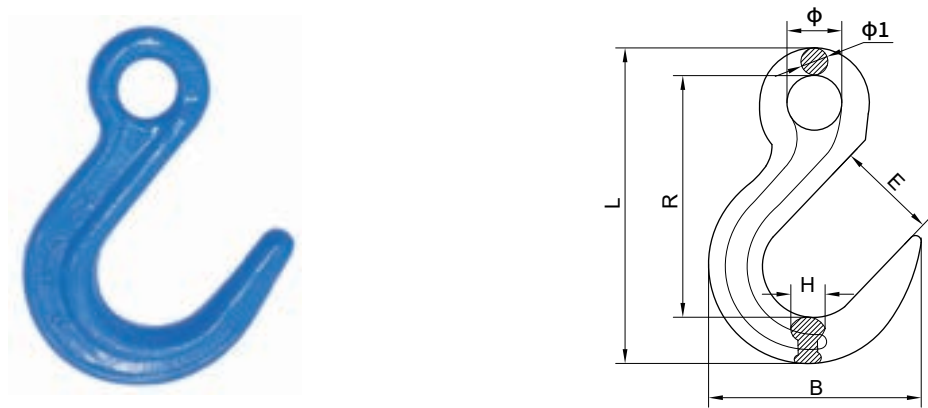


Stock No.	Size (mm)	WLL (t)	Dimensions (mm)							Weight (kg)
			B	C	D	E	M	L	K	
HS1031301	6-10	1.4	32.5	25.5	11.5	28	73	184	152.5	0.66
HS1031302	8-10	2.5	36	28.5	13	36	90	226	188	1.1
HS1031303	10-10	4	42	35	15.5	45	108	269	225.5	2
HS1031304	13-10	6.7	50	41	17	53.6	137.5	327	270	4
HS1031305	16-10	10	70	58	21.5	61	170	413	342	6.8
HS1031306	20-10	16	72	63	26	76.5	191.5	460	373	12.5
HS1031307	22-10	19	97	96	33	76	205	566	468	17.1
HS1031308	26-10	26.5	123	119	42	99	251	687	565	31.2

Ultimate Load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G100 Large Opening Eye Sling Hook

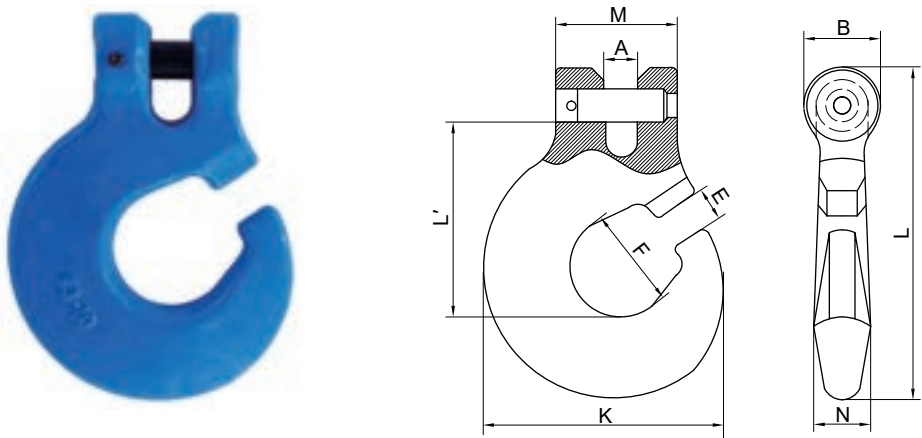


Stock No.	Size (mm)	WLL (t)	Dimensions (mm)						Weight (kg)
			phi	phi1	B	E	R	L	
HS1031401	6-10	1.4	20.5	10	100	49	102.7	133	0.38
HS1031402	8-10	2.5	24	12	130	62	120.5	158.5	0.72
HS1031403	10-10	4	31.5	15	152.5	73	153.2	199	1.25
HS1031404	13-10	6.7	44	19	186	90	184	241.5	2.32
HS1031405	16-10	10	49	22	218	105	216	279	3.45

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

G100 Clevis Forest Hook

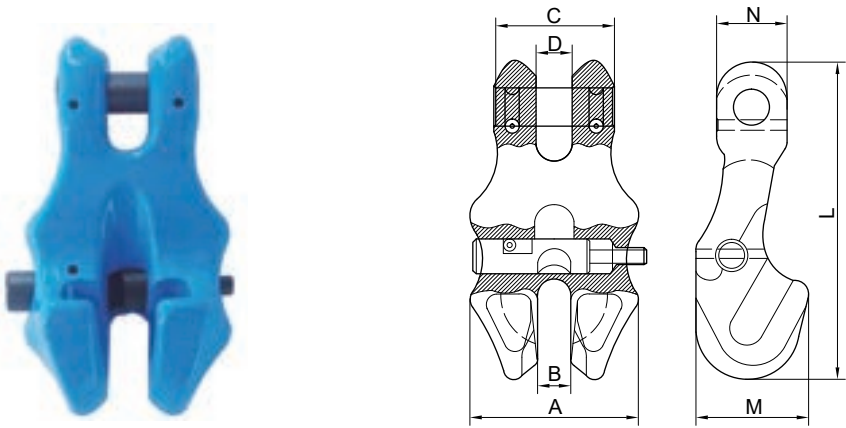


Stock No.	Size (mm)	WLL (t)	Dimensions (mm)								Weight (kg)
			A	B	E	F	M	N	K	L'	
HS1031501	8-10	2.5	9.5	20	9.8	31	35	18	72.8	59.4	0.41
HS1031502	13-10	6.7	16	37.5	17	49.5	59	27	119.5	97.5	1.87

Ultimate load is 4 times the Working Load Limit.
Not for lifting, only for logging.

Images for illustrative purposes only.

G100 Clevis Chain Clutch with Pin

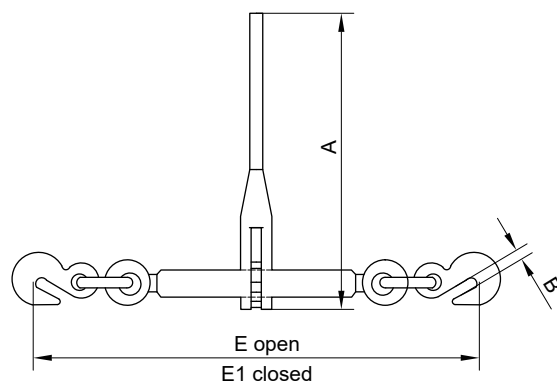


Stock No.	Size (mm)	WLL (t)	Dimensions (mm)							Weight (kg)
			A	B	C	D	M	N	L	
HS1031601	6-10	1.4	38	7.5	27	7.5	29	16	73	0.25
HS1031602	7/8-10	2.5	50	9.5	33	9.5	36	23	92	0.41
HS1031603	10-10	4	60	11.7	43.5	11.7	45.4	36	115	0.75
HS1031604	13-10	6.7	79	15	55	15	54	34	149	1.67
HS1031605	16-10	10	98	19	70	19	70	40	184	4.2

Ultimate load is 4 times the Working Load Limit.

Images for illustrative purposes only.

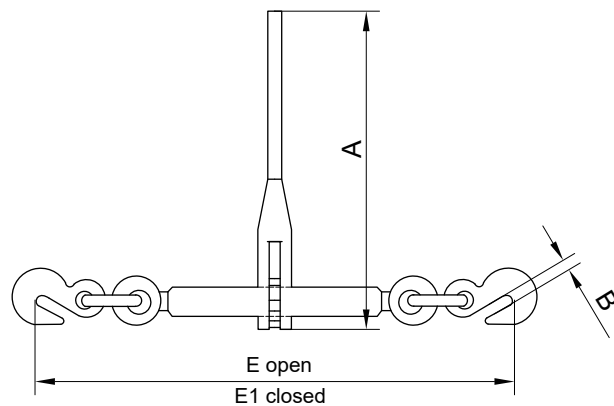
G80 European Type Ratchet Load Binder



Stock No.	Size (mm)	LC (kN)	BL (kN)	Dimensions (mm)				Weight (kg)
				A	B	E1	E	
HS1040101	6	22	45.2	206	9.7	415	515	1.9
HS1040102	8	40	80.4	355	11	590	740	5
HS1040103	10	63	126	355	12	610	775	5.4
HS1040104	13	100	212	355	15	700	870	7.5
HS1040105	16	160	322	355	19	775	920	11.5

Images for illustrative purposes only.

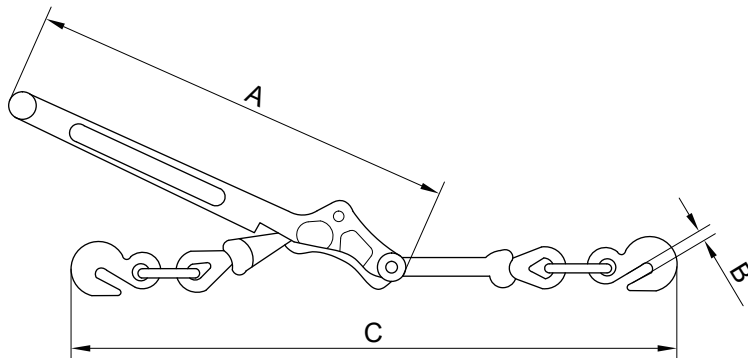
G70 US Type Ratchet Load Binder



Stock No.	Size (in)	WLL (lbs)	MBL (lbs)	Dimensions (in)				Weight (lbs)
				A	B	E	E1	
HS1040201	1/4-5/16	2600	9200	8.27	0.45	22.64	17.52	3.71
HS1040202	5/16-3/8	5400	19000	13.98	0.49	29.29	22.95	10
HS1040203	3/8-1/2	9200	33000	13.98	0.6	30.24	23.74	10.9
HS1040204	1/2-5/8	13000	46000	13.98	0.73	33.86	27.17	11.7

Images for illustrative purposes only.

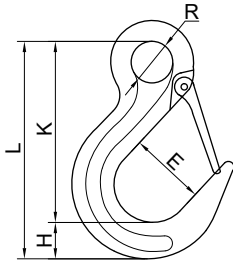
G70 US Type Lever Load Binder



Stock No.	Size (in)	WLL (lbs)	BL (lbs)	Dimensions (in)			Weight (kg)
				A	B	C	
HS1040301	1/4-5/16	2300	4600	12.05	0.38	17.32	1.7
HS1040302	5/16-3/8	3800	8600	15.75	0.43	24.17	3.85
HS1040303	3/8-1/2	6000	12000	17.36	0.47	27.64	5.8
HS1040304	1/2-5/8	9000	18000	20.39	0.59	33.78	9.35

Images for illustrative purposes only.

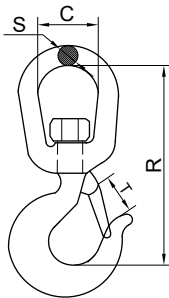
320C/320A Eye Hook with Latch



Stock No.	WLL (t)		Dimensions (mm)					Weight (kg)
	carbon steel	alloy steel	R	E	K	L	H	
HS1050101	0.5		16.5	18	70.5	96.2	15	0.21
HS1050102		0.75	17	19	70.5	98	15	0.23
HS1050103		1	19	19	80	111	17	0.25
HS1050104	1	1.5	22	22	91.5	125.6	17	0.28
HS1050105	1.5	2	26.5	24	103.1	142.3	20.5	0.4
HS1050106	2	3	31.5	27	120.8	163.6	22.8	0.6
HS1050107	3	5	39	32	146	200.3	27	0.87
HS1050108	5	7	51	40	185.4	255.5	33	1.7
HS1050109	8		58	48	224	311	45	3.1
HS1050110		11	61	45	228	315	46	5.9
HS1050111		15	72	58	257	354.4	56	9
HS1050112		22	90	73	321.5	432	68	16.25
HS1050113		30	90	80	356.5	494.5	79	27.2

Images for illustrative purposes only.

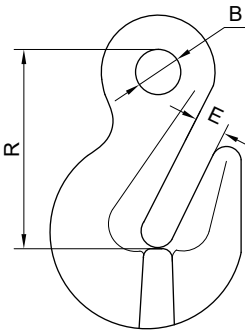
322C/322A Swivel Hook with Latch



Stock No.	WLL(t)		Dimensions (mm)			
	carbon steel	alloy steel	C	S	T	R
HS1050201	0.75	1	31.5	10	20	114
HS1050202	1	1.5	37	12.5	23	136
HS1050203	1.5	2	45	16	23	148
HS1050204	2	3	45	16	26	162
HS1050205	3	5	47	20	32	188
HS1050206	5	7	63	26	40	242
HS1050207	7.5	11	69	29	50	280
HS1050208		15	79	32	55	3315
HS1050209		22	105	40	70	4235
HS1050210		30	105	40	88	466

Images for illustrative purposes only.

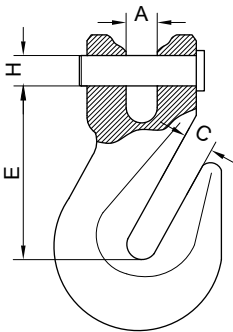
US Type Eye Grab Hook 323C/323A



Stock No.	Size (in)	WLL(lbs)		Dimensions (mm)			Weight (kg)
		carbon steel	alloy steel	B	E	R	
HS1050301	1/4	2600	3600	12.70	8.73	50.01	0.28
HS1050302	5/16	3900	5400	45.16	11.11	57.15	0.45
HS1050303	3/8	5400	7500	38.70	12.70	65.09	0.79
HS1050304	1/2	9200	12750	29.03	16.67	85.73	1.75
HS1050305	5/8	12750	19000	26.99	19.84	103.98	3.25
HS1050306	3/4	18500	27000	34.93	23.81	130.97	5.94

Images for illustrative purposes only.

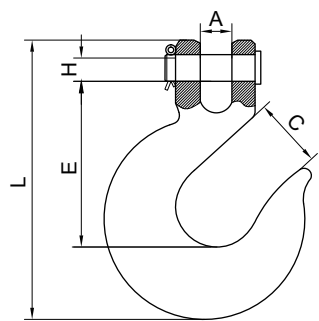
US Type Clevis Grab Hook



Stock No.	Size (in)	WLL (lbs)		Dimensions (mm)				Weight (kg)
		carbon steel	alloy steel	A	C	H	E	
HS1050401	1/4	2600	3500	29.63	8.73	9.53	46.04	0.38
HS1050402	5/16	3900	4700	12.70	11.11	9.53	54.77	0.7
HS1050403	3/8	5400	7100	15.08	12.70	11.11	62.71	1.04
HS1050404	7/16	7200	8500	16.67	14.29	14.29	70.64	1.31
HS1050405	1/2	9200	12000	19.05	15.88	15.88	81.76	2.06
HS1050406	5/8	13000	15800	23.02	19.05	19.05	103.98	4.25
HS1050407	3/4	20200	24700	23.81	22.23	22.23	117.48	6.5

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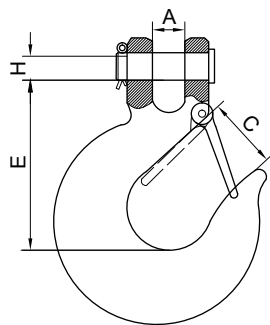
US Type Clevis Slip Hook 331C/331A



Stock No.	Size (in)	WLL(lbs)		Dimensions (mm)					Weight (kg)
		carbon steel	alloy steel	A	C	E	H	L	
HS1050501	1/4	1950	2750	10.4	25	61	9.7	98.7	0.27
HS1050502	5/16	2875	4300	11.9	26	75.5	11	113.9	0.37
HS1050503	3/8	4000	5250	14.5	33	88.3	11.8	137	0.6
HS1050504	1/2	6500	9000	17.3	40.6	98.5	15.9	163	1.27

Images for illustrative purposes only.

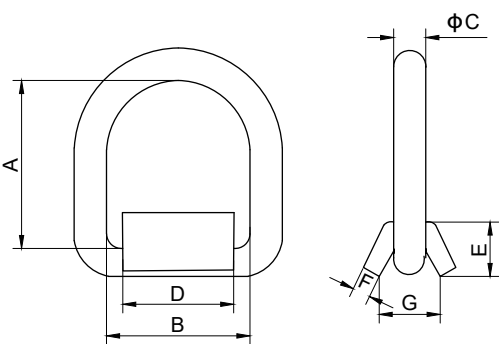
US type Clevis Slip Hook with Latch 331C/331A



Stock No.	Size (in)	WLL (lbs)		Dimensions (mm)				Weight (kg)
		carbon steel	alloy steel	A	C	E	H	
HS1050601	1/4	1950	2750	11.11	23.81	65.09	9.53	0.23
HS1050602	5/16	2875	4300	10.32	26.99	69.06	11.11	0.38
HS1050603	3/8	4000	5250	15.08	33.34	82.55	11.91	0.6
HS1050604	7/16	5000	7000	14.29	39.69	92.87	14.29	0.9
HS1050605	1/2	6500	9000	19.05	42.86	101.60	15.88	1.34
HS1050606	5/8	9250	13500	20.64	50.80	125.41	19.05	2.2
HS1050607	3/4	-	19250	33.34	63.50	154.78	25.40	4.8

Images for illustrative purposes only.

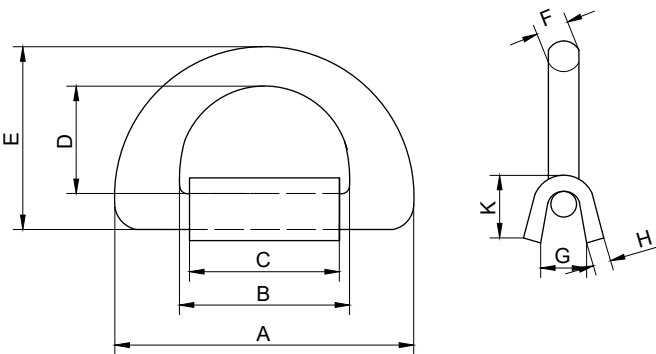
D Ring with Strap



Stock No.	Size (in)	Dimensions (mm)							Weight (kg)
		A	B	C	D	E	F	G	
HS1050701	3/8	51	68	9.5	51	20	6	15	0.81
HS1050702	1/2	63.5	57.1	13	45	25	8	33	0.94
HS1050703	5/8	75	75	16	63.5	31	9.5	37	1.87
HS1050704	3/4	75	75	19	63.5	35	9.5	40	2.7
HS1050705	1	75	75	25	63.5	41	9.5	63	4.21
HS1050706	1	100	75	25	63.5	41	9.5	63	4.73

Images for illustrative purposes only.

D ring with strap



Stock No.	Size	Dimensions (mm)								
		A	B	C	D	E	F	G	H	K
HS1050801	20T	137	92	75	50	89	19.5	57	9	34
HS1050802	30T	155	94	80	60	105	22	57	10	35
HS1050803	36T	169	99	90	64	113	24	59	10	39
HS1050804	36T	202	128	116	75	121	24	67	12	40
HS1050805	50T	180	119	100	88	140	26	67	12	46
HS1050806	50T	226	137	125	87	140	27	62	14	46
HS1050806	60T	220	123	110	90	143	28.5	69	14	55

Images for illustrative purposes only.

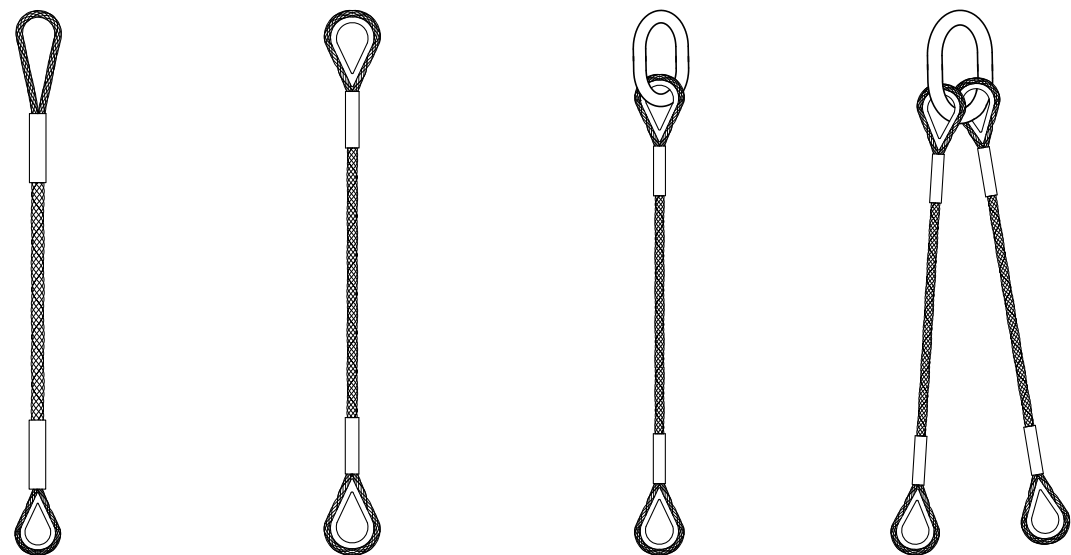
Lifting Clutch



Stock No.	WLL (t)	BL (t)	Dimensions (mm)											Weight (kg)
			A	B	C	D	E	F	H	M	L	G	K	
HS1050901	1-1.3	5.2	34	45	82	72.5	44	74	163	12	187	20	13	0.98
HS1050902	1.5-2.5	10	41	49	99	85	54	88	188	16	216	24	14	1.39
HS1050903	3-5	20	57	72	127	87	66	110	232	23	269	37	17	3.1

Images for illustrative purposes only.

Chain Sling and Wire Rope Sling



Chain sling and wire rope sling also available.

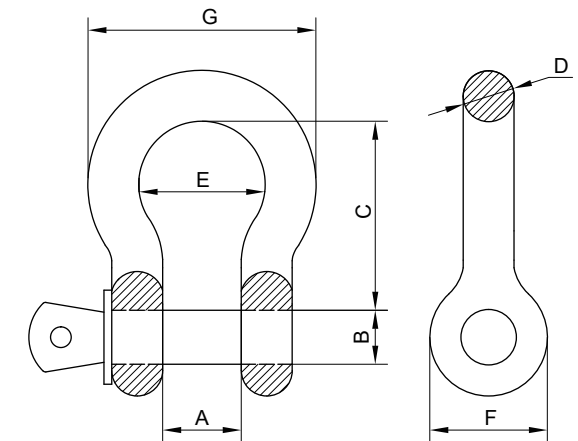
RIGGING HARDWARES

- Shackles
- Turnbuckles
- Wire Rope Clips
- Eye bolts & Eye nuts
- Thimbles
- Ferrules
- Snap Hooks
- Quick Link

02



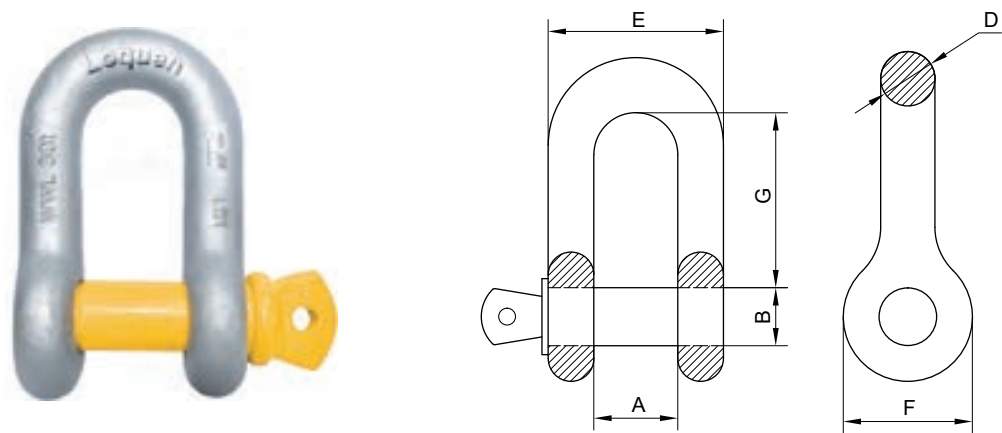
G209 US Type Bow Shackle with Screw Pin



Stock No.	Size (in)	WLL (t)	Dimensions(mm)							Weight (kg)
			A	B	C	D	E	F	G	
HS2010101	3/16	0.33	9.65	6.35	22.4	4.85	15.2	14.2	24.9	0.03
HS2010102	1/4	0.5	11.9	7.85	28.7	6.35	19.8	15.5	32.5	0.05
HS2010103	5/16	0.75	13.5	9.65	31	7.85	21.3	19.1	37.3	0.09
HS2010104	3/8	1	16.8	11.2	36.6	9.65	26.2	23.1	45.2	0.14
HS2010105	7/16	1.5	19.1	12.7	42.9	11.2	29.5	26.9	51.5	0.17
HS2010106	1/2	2	20	16	45	12	33	29	58	0.3
HS2010107	5/8	3.25	27	19	61	16	43	38	75	0.6
HS2010108	3/4	4.75	32	22	71.5	19	51	46	89	1
HS2010109	7/8	6.5	38	25	84	22	58	53	102	1.44
HS2010110	1	8.5	43	28	95	25.5	68	60.5	119	2.26
HS2010111	1-1/8	9.5	48	32	108	29	74	68.5	134	3.15
HS2010112	1-1/4	12	50	36	119	32	81	76	145	4.4
HS2010113	1-3/8	13.5	55	38	133	35	90	84	160	6.03
HS2010114	1-1/2	17	60.5	42	146	38	97	92	173	7.5
HS2010115	1-3/4	25	73	50	178	44.5	127	106.5	216	12.5
HS2010116	2	35	83	56	197	51	146	122	248	18.2
HS2010117	2-1/2	55	103	70	267	63	181	144.5	307	34.8
HS2010118	3	85	135	80	325	80	210	165	370	62.5
HS2010119	3-1/2	120	145	95.5	410	95	215	198	405	106

Images for illustrative purposes only.

G210 US Type D Shackle with Screw Pin

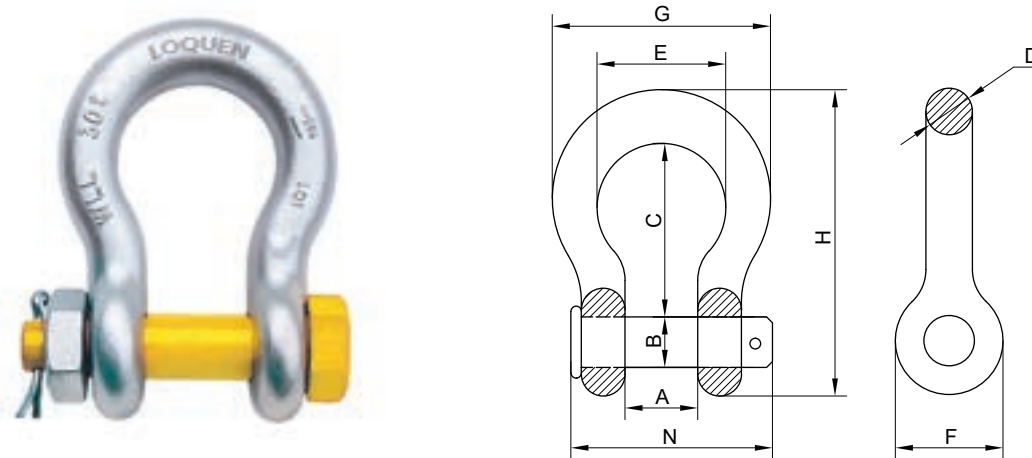


Stock No.	Size (in)	WLL (t)	Dimensions(mm)						Weight (kg)
			A	B	D	E	F	G	
HS2010201	1/4	0.5	12	8	6.4	24.6	15.5	22.4	0.05
HS2010202	5/16	0.75	13.5	9.7	8	29.5	19	26	0.08
HS2010203	3/8	1	16.8	11.2	9.7	36	23	31.5	0.13
HS2010204	7/16	1.5	19	12.7	11.2	41.4	26.5	36.6	0.18
HS2010205	1/2	2	20.5	16	13	47	30	42	0.28
HS2010206	5/8	3.25	27	19	16	59	39	51	0.5
HS2010207	3/4	4.75	36.5	22	19	71	47	58	0.92
HS2010208	7/8	6.5	37	25	22.5	81.5	54	71.5	1.4
HS2010209	1	8.5	43	28	25.5	94	59	80	2
HS2010210	1 1/8	9.5	46	32	28.5	102	68	92	2.9
HS2010211	1 1/4	12	50	35	32	113	76	98	3.9
HS2010212	1 3/8	13.5	57	38	35	127	84	119	5.6
HS2010213	1 1/2	17	60	42	38	136	92	122	6.9
HS2010214	1 3/4	25	73	50	44.5	163	107	143	11.4
HS2010215	2	35	82	55	51	184	122	164	17.2
HS2010216	2 1/2	55	104	70	64	234	150	195	31.7
HS2010217	3	85	132	80	77	285	165	212	51.5
HS2010218	3 1/2	120	135	95.5	95	325	200	280	88.5

Normal type: deformation load is 1.2 times of WLL, breaking load is 4 times of WLL
High strength type: deformation load is 2.2 times that of WLL, and the breaking load is 6 times that of WLL

Images for illustrative purposes only.

G213 Bow Type Shackle

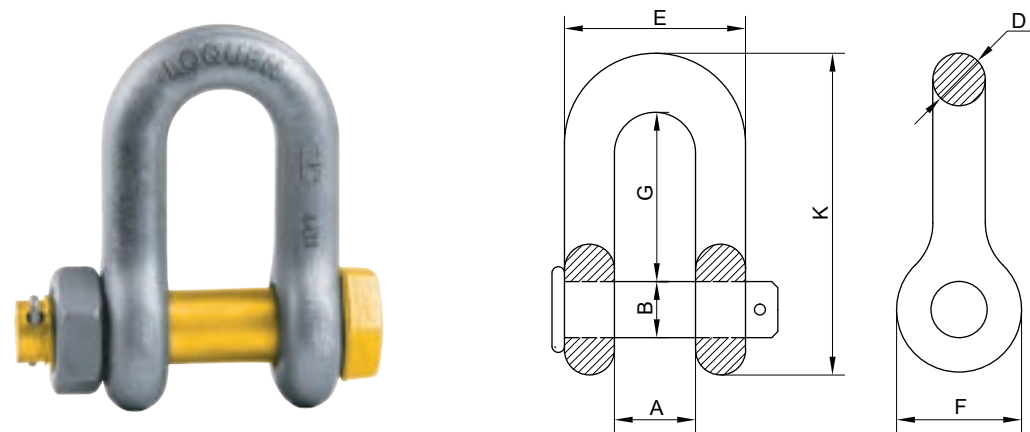


Stock No.	Size (in)	WLL (t)	Dimensions(mm)									Weight (lbs)
			A	B	C	D	E	F	G	H	N	
HS2010301	1/4	0.5	11.9	7.9	28.7	6.4	19.8	15.5	32.5	46.7	34.0	0.06
HS2010302	5/16	0.75	13.5	9.7	31.0	7.9	21.3	19.1	37.3	53.1	40.4	0.08
HS2010303	3/8	1	16.8	11.2	36.6	9.7	26.2	23.1	45.2	63.2	47.2	0.13
HS2010304	7/16	1.5	19.1	12.7	42.9	11.2	29.5	26.9	51.6	73.9	54.1	0.17
HS2010305	1/2	2	20.6	16.0	47.8	12.7	33.3	30.2	58.7	83.3	60.5	0.32
HS2010306	5/8	3.25	26.9	19.1	60.5	16.0	42.9	38.1	74.7	106.4	73.9	0.68
HS2010307	3/4	4.75	31.8	22.4	71.4	19.1	50.8	46.0	88.9	126.2	87.4	1.05
HS2010308	7/8	6.5	36.6	25.4	84.1	22.4	57.9	53.1	102.4	148.1	96.8	1.58
HS2010309	1	8.5	42.9	28.7	95.3	25.4	68.3	60.5	119.1	166.6	115.1	2.27
HS2010310	1 1/8	9.5	46.0	31.8	108.0	29.5	73.9	68.3	131.1	189.7	130.3	3.16
HS2010311	1 1/4	12	51.6	35.1	119.1	32.8	82.6	76.2	146.1	209.6	139.7	4.43
HS2010312	1 3/8	13.5	57.2	38.1	133.4	36.1	92.2	84.1	162.1	232.7	155.7	6.02
HS2010313	1 1/2	17	60.5	41.4	146.1	39.1	98.6	92.2	174.8	254.0	165.1	7.83
HS2010314	1 3/4	25	73.2	50.8	177.8	46.7	127.0	106.4	225.0	313.4	196.9	13.37
HS2010315	2	35	82.6	57.2	196.9	52.8	146.1	122.2	253.2	347.5	222.3	20.77
HS2010316	2 1/2	55	104.9	69.9	266.7	68.8	184.2	144.5	326.9	453.1	-	-

Normal type: deformation load is 1.2 times of WLL, breaking load is 4 times of WLL
High strength type: deformation load is 2.2 times that of WLL, and the breaking load is 6 times that of WLL

Images for illustrative purposes only.

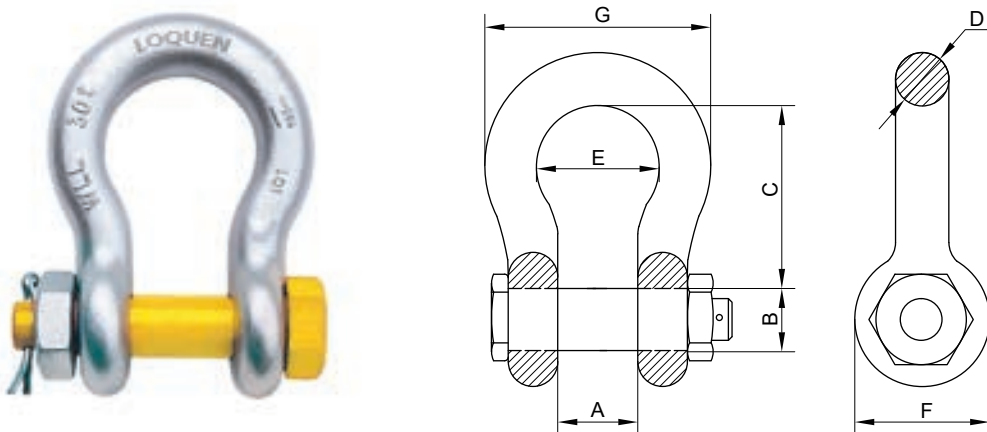
G215 D Type Shackle



Stock No.	Size (in)	WLL (t)	Dimensions(mm)							Weight (lbs)
			A	B	D	E	F	G	K	
HS2010401	1/4	0.5	11.938	7.87	6.35	24.64	15.75	24.64	40.39	0.05
HS2010402	5/16	0.75	13.462	9.65	7.87	29.21	19.05	27.18	48.51	0.08
HS2010403	3/8	1	16.764	11.18	9.65	36.07	23.37	32.51	58.67	0.11
HS2010404	7/16	1.5	19.05	12.70	11.18	41.40	26.92	37.59	67.82	0.18
HS2010405	1/2	2	20.574	16.00	12.70	45.97	29.97	42.16	76.96	0.23
HS2010406	5/8	3.25	26.924	19.05	16.00	58.93	38.10	51.82	95.50	0.55
HS2010407	3/4	4.75	31.75	22.35	19.05	69.85	45.97	60.96	115.06	0.91
HS2010408	7/8	6.5	36.576	25.40	22.35	81.28	53.34	72.64	135.38	1.49
HS2010409	1	8.5	42.926	28.70	25.40	93.73	60.45	82.30	150.88	2.16
HS2010410	1 1/8	9.5	45.974	31.75	28.70	103.38	68.33	91.69	172.21	2.86
HS2010411	1 1/4	12	51.562	35.05	31.75	115.06	76.20	100.84	190.50	4.09
HS2010412	1 3/8	13 1/2	57.15	38.10	35.05	127.25	84.07	112.52	210.31	5.45
HS2010413	1 1/2	17	60.452	41.15	38.10	136.65	91.95	123.70	229.87	7.33
HS2010414	1 3/4	25	73.152	53.85	44.45	162.05	106.43	146.81	278.64	13.60
HS2010415	2	32	82.55	50.80	50.80	184.15	127.00	171.96	323.60	19.64
HS2010416	2 1/2	55	104.648	66.55	66.80	238.25	144.27	204.98	377.19	-

Normal type: deformation load is 1.2 times of WLL, breaking load is 4 times of WLL
High strength type: deformation load is 2.2 times that of WLL, and the breaking load is 6 times that of WLL
Images for illustrative purposes only.

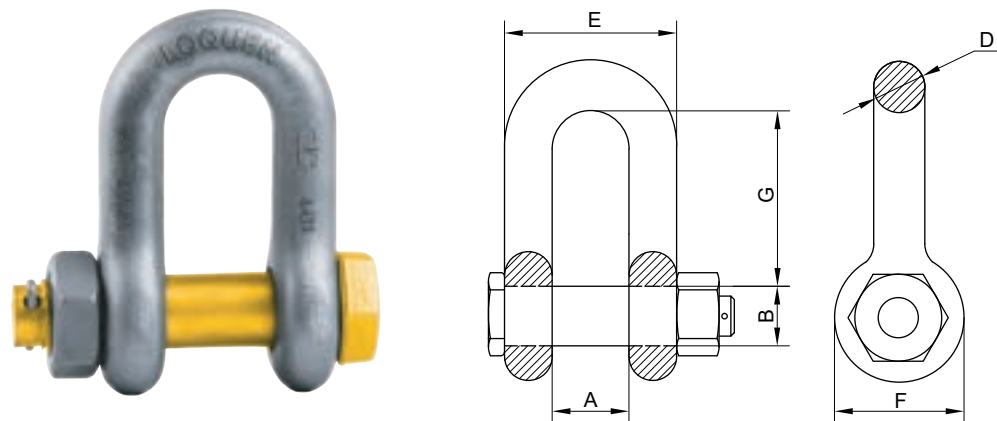
G2130 US Type Bow Shackles with Safety Bolt



Stock No.	Size (in)	WLL (t)	Dimensions(mm)							Weight (kg)
			A	B	C	D	E	F	G	
HS2010501	3/16	0.33	9.7	6.4	22.4	4.9	15.2	14.2	24.9	0.03
HS2010502	1/4	0.5	12	7.9	28.7	6.4	19.8	15.5	32.5	0.05
HS2010503	5/16	0.75	13.5	9.7	31	8	21.3	21	37.3	0.1
HS2010504	3/8	1	16.8	11.2	36.6	9.7	26.2	23	45.2	0.15
HS2010505	7/16	1.5	18.2	12.7	42	11.2	29.5	26.5	51.5	0.22
HS2010506	1/2	2	20	16	45	13	32	32	58	0.33
HS2010507	5/8	3.25	27	19	59.5	16	42	39	75	0.85
HS2010508	3/4	4.75	32	22	70.5	19	45	47	89	1.06
HS2010509	7/8	6.5	37	25	84	22	58	53	102	1.6
HS2010510	1	8.5	43	28	92	26	68	59.5	119	2.4
HS2010511	1 1/8	9.5	46	32	105	29	73	67	134	3.5
HS2010512	1 1/4	12	50	35	118	32	80	76	145	4.8
HS2010513	1 3/8	13.5	57	38	132	35	91	84	160	6.5
HS2010514	1 1/2	17	60.5	42	143	38	98	92	173	8.4
HS2010515	1 3/4	25	73	50	174	44.5	124	107	216	13.9
HS2010516	2	35	82	55	194	51	142	122	248	19.4
HS2010517	2 1/2	55	104	70	244	64	173	150	307	39
HS2010518	3	85	132	80	320	76.5	198	165	370	62.3
HS2010519	3 1/2	120	145	95	372	91.5	225	202	405	110

Normal type: deformation load is 1.2 times of WLL, breaking load is 4 times of WLL
High strength type: deformation load is 2.2 times that of WLL, and the breaking load is 6 times that of WLL
Images for illustrative purposes only.

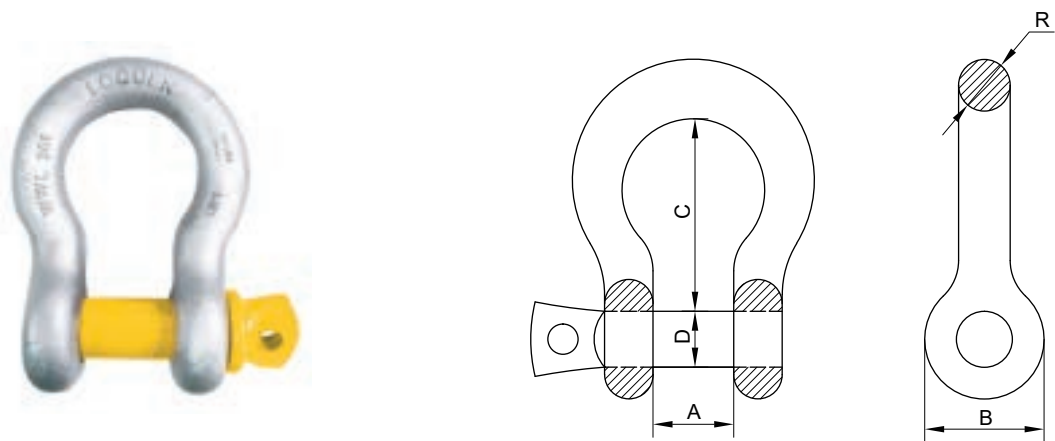
G2150 US Type D Shackles with Safety Bolt



Stock No.	Size (in)	WLL (t)	Dimensions(mm)						Weight (kg)
			A	B	D	E	F	G	
HS2010601	1/4	0.5	12	8	6.4	24.6	15.5	19.1	0.06
HS2010602	5/16	0.75	13.5	9.7	8	29.5	19	25.4	0.1
HS2010603	3/8	1	16.8	11.2	9.7	36	23	31	0.15
HS2010604	7/16	1.5	19	12.7	11.2	41.4	26.5	36.1	0.22
HS2010605	1/2	2	20.5	16	13	46.8	30	42	0.32
HS2010606	5/8	3.25	27	18.6	16	59	39	51	0.58
HS2010607	3/4	4.75	31.5	22	19	71	47	60.5	1
HS2010608	7/8	6.5	37	25	22.5	89.5	54	71.5	1.5
HS2010609	1	8.5	43	28	25.5	94	59	81	2.2
HS2010610	1 1/8	9.5	46	32	29	102	68	91	3.2
HS2010611	1 1/4	12	50	35	32	113	76	100	4.4
HS2010612	1 3/8	13.5	57	38	35	127	84	111	6.03
HS2010613	1 1/2	17	60	42	38	136	92	122	7.5
HS2010614	1 3/4	25	73	50	44.5	163	107	146	12.7
HS2010615	2	35	82	55	51	184	122	171.5	18.4
HS2010616	2 1/2	55	104	70	64	234	150	203	33.1
HS2010617	3	85	132	80	77	285	165	240	65
HS2010618	3 1/2	120	135	95.5	95	325	200	280	110

Normal type: deformation load is 1.2 times of WLL, breaking load is 4 times of WLL
High strength type: deformation load is 2.2 times that of WLL, and the breaking load is 6 times that of WLL
Images for illustrative purposes only.

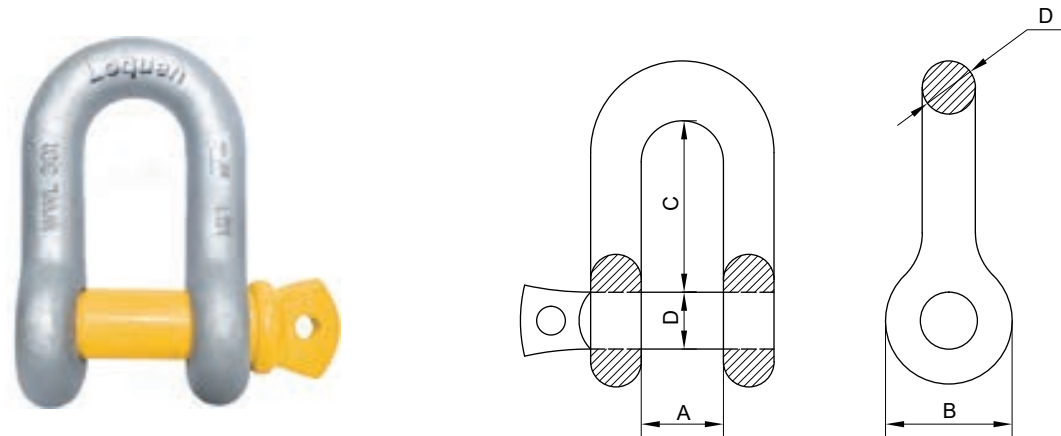
European Type Large Bow Shackle



Stock No.	Size(D) (mm)	WLL (kg)	Dimensions(mm)					Weight (kg)
			D	A	C	R	B	
HS2010701	5	80	5	10	19	8	11	0.016
HS2010702	6	100	6	13	25	10	14	0.024
HS2010703	8	200	8	16	32	12	18	0.050
HS2010704	10	320	10	19	38	16	20	0.088
HS2010705	12	520	12	25	51	19	26	0.180
HS2010706	16	800	16	32	64	28	33	0.410
HS2010707	20	1100	20	38	76	33	40	0.776
HS2010708	22	1500	22	44	89	37	50	1.150
HS2010709	25	2100	25	51	100	40	57	1.650
HS2010710	28	3000	28	57	115	47	68	2.400
HS2010711	32	3500	32	64	127	52	73	3.500
HS2010712	38	5000	38	76	152	63	85	6.350
HS2010713	45	7000	45	90	180	75	96	11.500
HS2010714	50	8000	50	102	200	78	108	17.500

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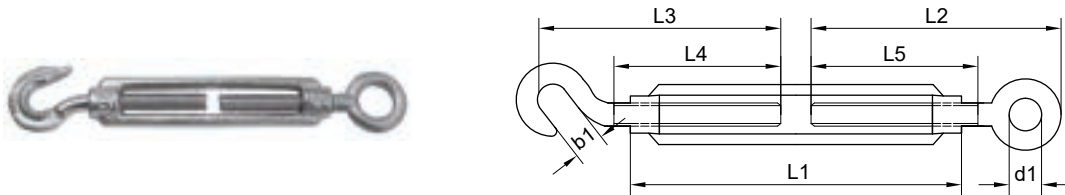
European Type Large D Shackle



Stock No.	Size(D) (mm)	WLL (kg)	Dimensions(mm)				Weight (kg)
			D	A	C	B	
HS2010801	5	80	5	10	19	11	0.015
HS2010802	6	100	6	13	25	14	0.023
HS2010803	8	200	8	16	32	18	0.048
HS2010804	10	320	10	19	38	20	0.085
HS2010805	12	520	12	25	51	26	0.170
HS2010806	16	800	16	32	64	33	0.385
HS2010807	20	1100	20	38	76	40	0.760
HS2010808	22	1500	22	44	89	50	1.070
HS2010809	25	2100	25	51	100	57	1.550
HS2010810	28	3000	28	57	115	68	2.250
HS2010811	32	3500	32	64	127	73	3.350
HS2010812	38	5000	38	76	152	85	5.850
HS2010813	45	7000	45	90	180	96	10.000
HS2010814	50	8000	50	102	200	108	12.500

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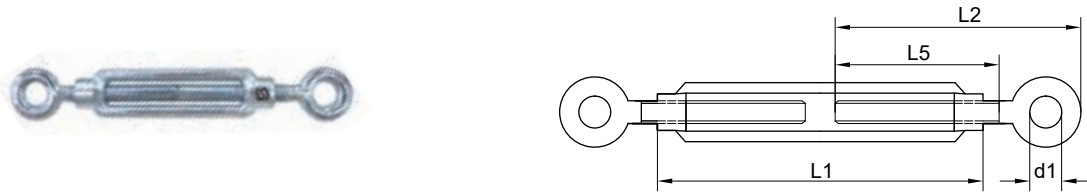
DIN 1480 Turnbuckle with Eye & Hook



Stock No.	Size	WLL (N)	Dimensions(mm)							Weight(kg) Per 100Pcs
			L1	L2	L3	L4	L5	b1	d1	
HS2020101	M5	/	70	55	60	35	35	7	8	5
HS2020102	M6	2250	110	80	90	55	55	8.5	9.5	9
HS2020103	M8	4100	110	84	95	59	57	11	11	15
HS2020104	M10	6500	125	102	110	70	63	14	14	26
HS2020105	M12	9300	125	117	125	75	70	15	17.5	40
HS2020106	M14	/	140	130	138	77	80	17	18	60
HS2020107	M16	17700	170	150	162	91	88	19	22	89
HS2020108	M18	/	200	177	195	112	114	21	23	160
HS2020109	M20	27000	200	177	195	112	114	21	23	160
HS2020110	M22	32000	220	195	195	105	124	23	29	210
HS2020111	M24	39200	255	205	230	140	130	24	27.5	285
HS2020112	M27	/	255	205	230	140	130	24	27.5	300
HS2020113	M30	62500	255	225	225	155	150	30	31.5	430

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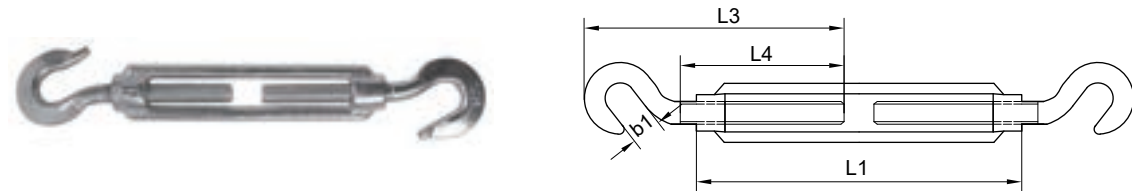
DIN 1480 Turnbuckle with Eye & Eye



Stock No.	Size	WLL (n)	Dimensions(mm)				Weight(kg) Per 100Pcs
			L1	L2	L5	d1	
HS2020201	M5	/	70	55	35	8	4.5
HS2020202	M6	2250	110	80	55	9.5	8.5
HS2020203	M8	4100	110	84	57	11	14
HS2020204	M10	6500	125	102	63	14	24
HS2020205	M12	9300	125	117	70	17.5	38
HS2020206	M14	/	140	130	80	18	58
HS2020207	M16	17700	170	150	88	22	86
HS2020208	M18	/	200	177	114	23	150
HS2020209	M20	27000	200	177	114	23	150
HS2020210	M22	32000	220	195	124	29	205
HS2020211	M24	39200	255	205	130	27.5	280
HS2020212	M27	/	255	205	130	27.5	280
HS2020213	M30	62500	255	225	150	31.5	410

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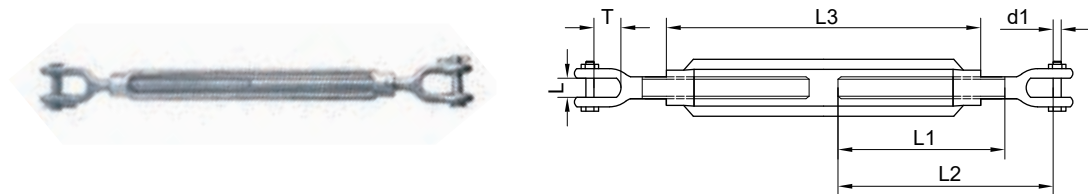
DIN 1480 Turnbuckle with Hook & Hook



Stock No.	Size	WLL (n)	Dimensions(mm)				Weight(kg) Per 100Pcs
			L1	L3	L4	b1	
HS2020301	M5	/	70	60	35	7	4.5
HS2020302	M6	2250	110	90	55	8.5	8.5
HS2020303	M8	4100	110	95	59	11	14
HS2020304	M10	6500	125	110	70	14	24
HS2020305	M12	9300	125	125	75	15	38
HS2020306	M14	/	140	138	77	17	58
HS2020307	M16	17700	170	162	91	19	86
HS2020308	M18	/	200	195	112	21	150
HS2020309	M20	27000	200	195	112	21	150
HS2020310	M22	32000	220	195	105	23	205
HS2020311	M24	39200	255	230	140	24	280
HS2020312	M27	/	255	230	140	24	280
HS2020313	M30	62500	255	225	155	30	410

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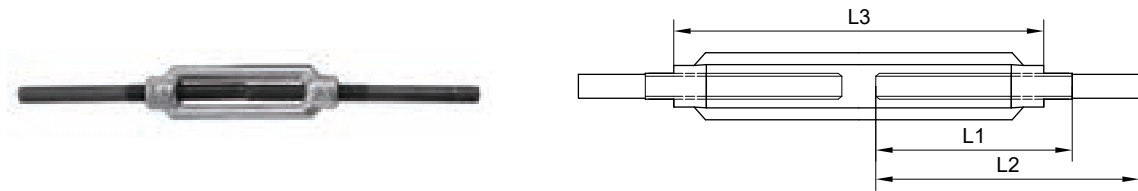
DIN 1480 Turnbuckle with Jaw & Jaw



Stock No.	Size	Dimensions(mm)						Weight(kg) Per 100Pcs
		L3	L2	L1	L	T	d1	
HS2020401	M8	110	116	68	9	28.75	8.8	14
HS2020402	M10	125	130	82	10.7	29.25	8.5	26
HS2020403	M12	125	150	90	15.5	44.75	10.5	40
HS2020404	M16	170	172	102	20	45.25	12.5	64
HS2020405	M20	200	185	115	23.5	59.5	17	130
HS2020406	M24	255	215	125	29	62.75	20.5	228
HS2020407	M30	255	255	150	34	89.5	25	402

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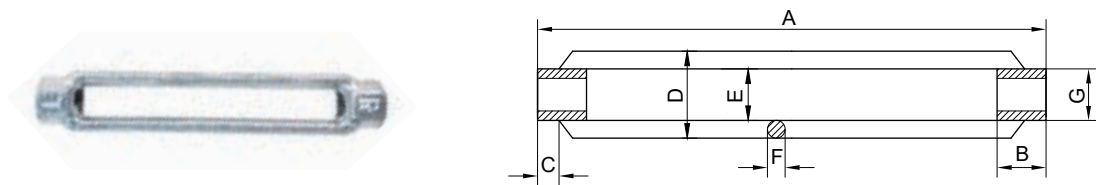
DIN 1480 Turnbuckle with Stub Ends



Stock No.	Size	Dimensions(mm)			Weight(kg) Per 100Pcs
		L3	L2	L1	
HS2020501	M6	110	120	60	10
HS2020502	M8	110	120	65	16
HS2020503	M10	125	150	75	30
HS2020504	M12	125	150	75	40
HS2020505	M14	140	165	90	62
HS2020506	M16	170	200	100	96
HS2020507	M20	200	220	120	174
HS2020508	M22	220	220	120	213
HS2020509	M24	255	260	150	274
HS2020510	M27	255	265	160	388
HS2020511	M30	255	260	160	420
HS2020512	M36	295	300	180	720
HS2020513	M42	330	350	200	1070

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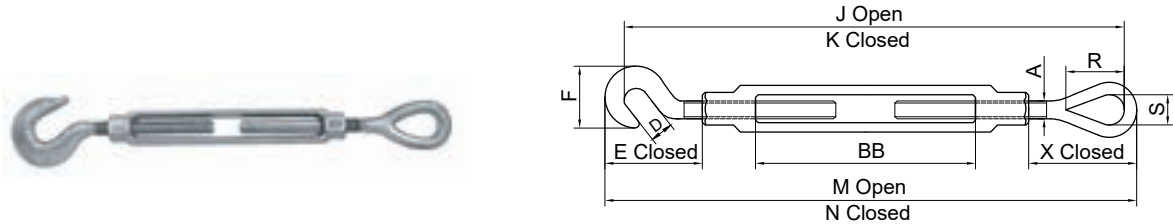
DIN 1480 Turnbuckle Body



Stock No.	Thread	Dimensions(mm)							Weight(kg) Per 100Pcs
		A	B	C	D	E	F	G	
HS2020601	M6	110	12	6	19	9	6	12	6
HS2020602	M8	110	15	8	23	11	8	15	9
HS2020603	M10	125	18	9	30	14	9	18	15
HS2020604	M12	125	21	11	34	16	11	21	20
HS2020605	M14	140	24	9	38	18	10	25	30
HS2020606	M16	170	27	14	42	20	14	27	44
HS2020607	M20	200	34	17	52	24	17	34	44
HS2020608	M22	220	37	15	57	26	16	37	105
HS2020609	M24	255	39	20	60	28	20	39	120
HS2020610	M27	255	39	20	60	28	20	39	180
HS2020611	M30	255	45	23	74	34	23	45	190
HS2020612	M36	295	55	28	86	40	28	55	320
HS2020613	M42	330	63	32	104	50	32	63	450

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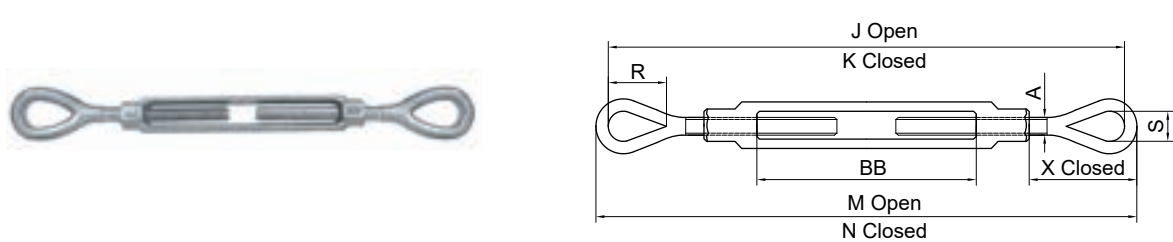
US Type Turnbuckle with Eye & Hook



Stock No.	Size (in)	WLL (lbs)	Dimensions(in)												Weight (lbs)
			A	D	E Closed	F	J Open	K Closed	M Open	N Closed	R	S	X Closed	BB	
HS2020701	1/4x4	400	0.25	0.45	1.59	1.27	11.46	7.46	12.09	8.09	0.78	0.34	1.75	4.00	0.29
HS2020702	5/16x4-1/2	700	0.31	0.50	1.94	1.50	13.19	8.69	13.47	9.47	0.94	0.44	2.09	4.50	0.49
HS2020703	3/8x6	1000	0.38	0.56	2.30	1.77	16.98	10.98	17.94	11.94	1.12	0.53	2.52	6.00	0.78
HS2020704	1/2x6	1500	0.50	0.66	2.94	2.28	19.45	12.45	20.67	13.67	1.44	0.72	3.23	6.00	1.61
HS2020705	1/2x12	1500	0.50	0.66	2.94	2.28	31.45	18.45	32.67	19.67	1.44	0.72	3.23	12.00	2.26
HS2020706	5/8x6	2250	0.63	0.90	3.69	2.81	21.96	13.96	22.72	15.47	1.75	0.88	3.90	6.00	2.70
HS2020707	5/8x12	2250	0.63	0.90	3.69	2.81	33.21	19.96	34.72	21.47	1.75	0.88	3.90	12.00	3.78
HS2020708	3/4x6	3000	0.75	0.98	4.52	3.33	23.13	15.63	34.95	17.45	2.09	1.00	4.69	6.00	3.89
HS2020709	3/4x12	3000	0.75	0.98	4.52	3.33	35.13	21.63	36.95	23.45	2.09	1.00	4.69	12.00	5.83
HS2020710	3/4x18	3000	0.75	0.98	4.52	3.33	47.13	27.63	48.95	29.45	2.09	1.00	4.69	18.00	6.33
HS2020711	7/8x12	4000	0.88	1.13	5.19	3.78	36.53	22.78	38.66	24.91	2.38	1.25	5.10	12.00	8.10
HS2020712	1x12	5000	1.00	1.25	5.84	4.25	38.80	24.80	41.20	27.20	3.00	1.44	6.36	12.00	11.93
HS2020713	1x18	5000	1.00	1.25	5.84	4.25	50.80	30.80	53.20	33.20	3.00	1.44	6.36	18.00	14.00
HS2020714	1x24	5000	1.00	1.25	5.84	4.25	62.80	36.80	65.20	39.20	3.00	1.44	6.36	24.00	17.25
HS2020715	1-1/4x12	6500	1.25	1.50	7.22	5.13	41.63	27.13	44.56	30.06	3.56	1.81	7.72	12.00	19.00
HS2020716	1-1/4x18	6500	1.25	1.50	7.22	5.13	53.63	33.13	56.56	36.06	3.56	1.81	7.72	18.00	23.00
HS2020717	1-1/4x24	6500	1.25	1.50	7.22	5.13	65.63	39.13	68.56	42.06	3.56	1.81	7.72	24.00	24.00
HS2020718	1-1/2x12	7500	1.50	1.88	8.34	5.75	44.72	29.72	47.72	32.72	4.06	2.12	8.62	12.00	27.50
HS2020719	1-1/2x18	7500	1.50	1.88	8.34	5.75	56.72	35.72	59.72	38.72	4.06	2.12	8.62	18.00	31.00
HS2020720	1-1/2x24	7500	1.50	1.88	8.34	5.75	68.72	41.72	71.72	44.72	4.06	2.12	8.62	24.00	37.50

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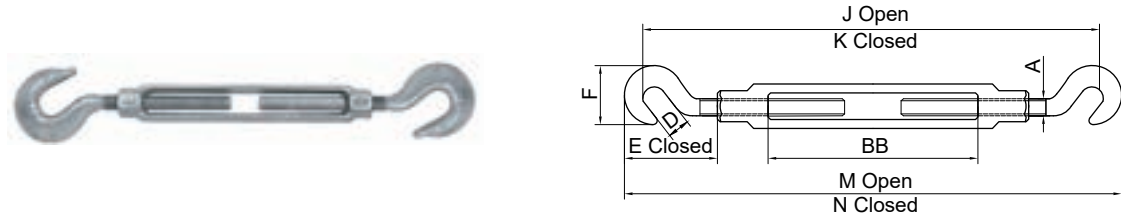
US Type Turnbuckle with Eye & Eye



Stock No.	Size (in)	WLL (lbs)	Dimensions(in)									Weight (lbs)
			A	J Open	K Closed	M Open	N Closed	R	S	X Closed	BB	
HS2020801	1/4*4	500	0.25	11.80	7.80	12.25	8.25	0.78	0.34	1.75	4.00	0.26
HS2020802	5/16*4-1/2	800	0.31	13.56	9.06	14.12	9.62	0.94	0.44	2.09	4.50	0.45
HS2020803	3/8*6	1200	0.38	17.47	11.47	18.16	12.16	1.12	0.53	2.52	6.00	0.76
HS2020804	1/2*6	2200	0.50	20.08	13.08	20.96	13.96	1.44	0.72	3.23	6.00	1.54
HS2020805	1/2*12	2200	0.50	32.08	19.08	32.96	19.96	1.44	0.72	3.23	12.00	2.14
HS2020806	5/8*6	3500	0.63	21.93	14.68	22.93	15.68	1.75	0.88	3.90	6.00	2.40
HS2020807	5/8*12	3500	0.63	33.93	20.68	34.93	21.68	1.75	0.88	3.90	12.00	3.42
HS2020808	3/4*6	5200	0.75	23.88	16.38	25.12	17.62	2.09	1.00	4.69	6.00	3.79
HS2020809	3/4*12	5200	0.75	35.88	22.38	37.12	23.62	2.09	1.00	4.69	12.00	5.48
HS2020810	3/4*18	5200	0.75	47.88	28.38	49.12	29.62	2.09	1.00	4.69	18.00	7.19
HS2020811	7/8*12	7200	0.88	37.07	23.32	38.57	24.82	2.38	1.25	5.10	12.00	7.22
HS2020812	1*12	10000	1.00	37.97	25.97	41.97	27.72	3.00	1.44	6.36	12.00	11.50
HS2020813	1*18	10000	1.00	51.97	31.97	53.72	33.72	3.00	1.44	6.36	18.00	14.00
HS2020814	1*24	10000	1.00	63.97	37.97	65.72	39.72	3.00	1.44	6.36	24.00	17.25
HS2020815	1-1/4*12	15200	1.25	42.81	28.31	45.06	30.56	3.56	1.81	7.72	12.00	19.00
HS2020816	1-1/4*18	15200	1.25	54.81	34.31	57.06	36.56	3.56	1.81	7.72	18.00	23.00
HS2020817	1-1/4*24	15200	1.25	66.81	40.31	69.06	42.56	3.56	1.81	7.72	24.00	27.00
HS2020818	1-1/2*12	21400	1.50	45.50	30.50	48.00	33.00	4.06	2.12	8.62	12.00	27.50
HS2020819	1-1/2*18	21400	1.50	57.50	36.50	60.00	39.00	4.06	2.12	8.62	18.00	31.00
HS2020820	1-1/2*24	21400	1.50	69.50	42.50	72.00	45.00	4.06	2.12	8.62	24.00	37.50

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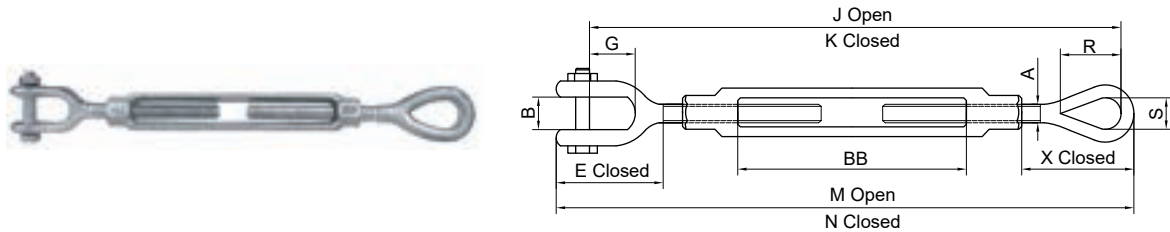
US Type Turnbuckle with Hook & Hook



Stock No.	Size (in)	WLL (lbs)	Dimensions(in)									Weight (lbs)
			A	E Closed	J Open	K Closed	M Open	N Closed	D	F	BB	
HS2020901	1/4*4	400	0.25	1.59	11.12	7.12	11.94	7.94	0.45	1.27	4.00	0.30
HS2020902	5/16*4-1/2	700	0.31	1.94	12.81	8.31	13.81	9.31	0.50	1.50	4.50	0.47
HS2020903	3/8*6	1000	0.38	2.30	16.50	10.50	17.72	11.72	0.56	1.77	6.00	0.78
HS2020904	1/2*6	1500	0.50	2.94	18.82	11.82	20.38	13.38	0.66	2.28	6.00	1.60
HS2020905	1/2*12	1500	0.50	2.94	30.82	17.82	32.38	19.38	0.66	2.28	12.00	2.28
HS2020906	5/8*6	2250	0.63	3.69	20.50	13.25	22.50	15.25	0.90	2.81	6.00	2.75
HS2020907	5/8*12	2250	0.63	3.69	32.50	19.25	34.50	21.25	0.90	2.81	12.00	3.50
HS2020908	3/4*6	3000	0.75	4.52	22.38	14.88	24.78	17.28	0.98	3.33	6.00	3.89
HS2020909	3/4*12	3000	0.75	4.52	34.38	20.88	36.78	23.28	0.98	3.33	12.00	5.43
HS2020910	3/4*18	3000	0.75	4.52	46.38	26.88	48.78	29.28	0.98	3.33	18.00	8.12
HS2020911	7/8*12	4000	0.88	5.19	36.00	22.25	38.75	25.00	1.13	3.78	12.00	8.10
HS2020912	1*12	5000	1.00	5.84	37.63	23.63	40.69	26.69	1.25	4.25	12.00	11.93
HS2020913	1*18	5000	1.00	5.84	49.63	29.63	52.69	32.69	1.25	4.25	18.00	14.00
HS2020914	1*24	5000	1.00	5.84	61.63	35.63	64.69	38.69	1.25	4.25	24.00	17.25
HS2020915	1-1/4*12	6500	1.25	7.22	40.44	25.94	44.06	29.56	1.50	5.13	12.00	20.58
HS2020916	1-1/4*18	6500	1.25	7.22	52.44	31.94	56.06	35.56	1.50	5.13	18.00	23.00
HS2020917	1-1/4*24	6500	1.25	7.22	64.44	37.94	68.06	41.56	1.50	5.13	24.00	27.00
HS2020918	1-1/2*12	7500	1.50	8.34	43.94	28.94	47.44	32.44	1.88	5.75	12.00	27.50
HS2020919	1-1/2*18	7500	1.50	8.34	55.96	34.94	59.44	38.44	1.88	5.75	18.00	31.00
HS2020920	1-1/2*24	7500	1.50	8.34	67.94	40.94	71.44	44.44	1.88	5.75	24.00	37.50

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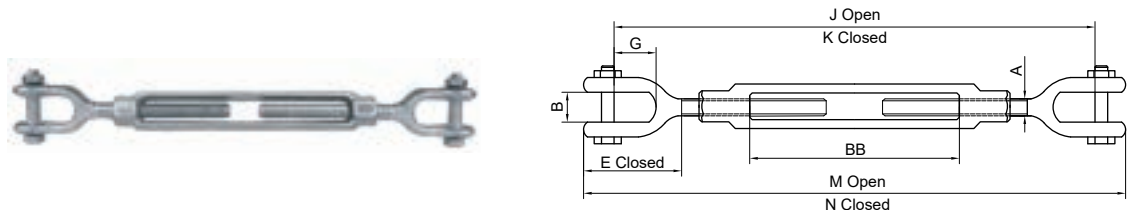
US Type Turnbuckle with Eye & Jaw



Stock No.	Size (in)	WLL (lbs)	Dimensions(in)												Weight (lbs)
			A	D	E Closed	G	J Open	K Closed	M Open	N Closed	R	S	X Closed	BB	
HS2021001	1/4*4	500	0.25	0.45	1.58	0.62	11.35	7.85	2.07	8.07	0.78	0.34	1.75	4.00	0.30
HS2021002	5/16*4-1/2	800	0.31	0.50	1.98	0.87	13.71	8.71	14.01	9.51	0.94	0.44	2.09	4.50	0.50
HS2021003	3/8*6	1200	0.38	0.54	2.12	0.87	16.81	10.81	17.77	11.77	1.12	0.53	2.52	6.00	0.80
HS2021004	1/2*6	2200	0.50	0.65	2.75	1.06	19.29	12.28	19.48	13.48	1.44	0.72	3.23	6.00	1.71
HS2021005	1/2*12	2200	0.50	0.65	2.75	1.06	31.29	18.29	31.48	19.48	1.44	0.72	3.23	12.00	2.08
HS2021006	5/8*6	3500	0.63	0.79	3.50	1.31	20.99	13.74	21.28	15.28	1.75	0.88	3.90	6.00	3.17
HS2021007	5/8*12	3500	0.63	0.79	3.50	1.31	32.99	19.74	33.28	21.28	1.75	0.88	3.90	12.00	3.61
HS2021008	3/4*6	5200	0.75	0.94	4.18	1.50	22.69	15.19	23.11	17.11	2.09	1.00	4.69	6.00	4.75
HS2021009	3/4*12	5200	0.75	0.94	4.18	1.50	34.69	21.19	35.11	23.11	2.09	1.00	4.69	12.00	5.93
HS2021010	3/4*18	5200	0.75	0.94	4.18	1.50	46.69	27.19	47.11	29.11	2.09	1.00	4.69	18.00	7.00
HS2021011	7/8*12	7200	0.88	1.13	4.85	1.75	36.09	23.34	36.57	24.57	2.38	1.25	5.10	12.00	8.36
HS2021012	1*12	10000	1.00	1.34	5.53	2.06	38.34	24.34	38.89	26.89	3.00	1.44	6.36	12.00	11.20
HS2021013	1*18	10000	1.00	1.34	5.53	2.06	50.34	30.34	50.89	32.89	3.00	1.44	6.36	18.00	13.30
HS2021014	1*24	10000	1.00	1.34	5.53	2.06	62.34	36.34	62.89	38.89	3.00	1.44	6.36	24.00	17.00
HS2021015	1-1/4*12	15200	1.25	1.75	7.21	2.81	41.32	26.82	42.05	30.05	3.56	1.81	7.72	12.00	19.42
HS2021016	1-1/4*18	15200	1.25	1.75	7.21	2.81	53.32	32.82	54.05	36.05	3.56	1.81	7.72	18.00	24.18
HS2021017	1-1/4*24	15200	1.25	1.75	7.21	2.81	65.32	38.82	66.05	42.05	3.56	1.81	7.72	24.00	28.50
HS2021018	1-1/2*12	21400	1.50	2.06	7.88	2.81	43.50	28.50	44.25	32.25	4.06	2.12	8.62	12.00	28.99
HS2021019	1-1/2*18	21400	1.50	2.06	7.88	2.81	55.50	34.50	56.25	38.25	4.06	2.12	8.62	18.00	35.00
HS2021020	1-1/2*24	21400	1.50	2.06	7.88	2.81	67.50	40.50	68.25	44.25	4.06	2.12	8.62	24.00	39.18

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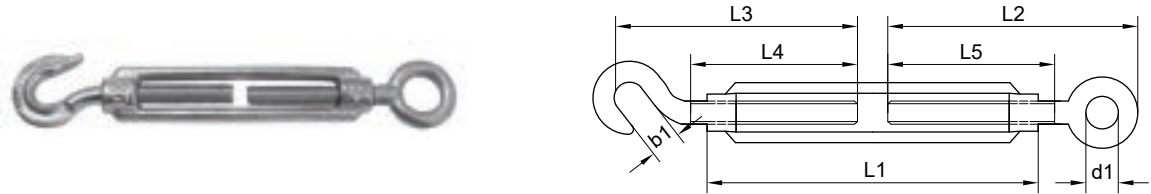
US Type Turnbuckle with Jaw & Jaw



Stock No.	Size (in)	WLL (lbs)	Dimensions(in)									Weight (lbs)
			A	B	E Closed	G	J Open	K Closed	M Open	N Closed	BB	
HS2021101	1/4*4	500	0.25	0.45	1.58	0.62	10.90	6.90	11.90	7.90	4.00	0.36
HS2021102	5/16*4-1/2	800	0.31	0.50	1.98	0.87	12.36	8.36	13.90	9.40	4.50	0.52
HS2021103	3/8*6	1200	0.38	0.54	2.12	0.87	16.14	10.14	17.38	11.38	6.00	0.81
HS2021104	1/2*6	2200	0.50	0.65	2.75	1.06	18.50	11.50	20.00	13.00	6.00	1.56
HS2021105	1/2*12	2200	0.50	0.65	2.75	1.06	30.50	17.50	32.00	19.00	12.00	2.40
HS2021106	5/8*6	3500	0.63	0.79	3.50	1.31	20.05	12.80	22.13	14.88	6.00	2.72
HS2021107	5/8*12	3500	0.63	0.79	3.50	1.31	32.05	18.80	34.13	20.88	12.00	3.91
HS2021108	3/4*6	5200	0.75	0.94	4.18	1.50	21.50	14.00	24.10	16.60	6.00	4.11
HS2021109	3/4*12	5200	0.75	0.94	4.18	1.50	33.50	20.00	36.10	22.60	12.00	6.56
HS2021110	3/4*18	5200	0.75	0.94	4.18	1.50	45.50	26.00	48.10	28.60	18.00	8.03
HS2021111	7/8*12	7200	0.88	1.13	4.85	1.75	35.11	21.36	38.07	24.32	12.00	8.17
HS2021112	1*12	10000	1.00	1.34	5.53	2.06	36.72	22.72	40.06	26.06	12.00	12.20
HS2021113	1*18	10000	1.00	1.34	5.53	2.06	48.72	28.72	52.06	32.06	18.00	15.14
HS2021114	1*24	10000	1.00	1.34	5.53	2.06	60.72	34.72	64.06	38.06	24.00	18.00
HS2021115	1-1/4*12	15200	1.25	1.75	7.21	2.81	39.84	25.34	44.04	29.54	12.00	20.59
HS2021116	1-1/4*18	15200	1.25	1.75	7.21	2.81	51.84	31.34	56.08	35.54	18.00	24.68
HS2021117	1-1/4*24	15200	1.25	1.75	7.21	2.81	63.84	37.34	68.04	41.54	24.00	28.20
HS2021118	1-1/2*12	21400	1.50	2.06	7.88	2.81	41.50	26.50	46.50	31.50	12.00	30.69
HS2021119	1-1/2*18	21400	1.50	2.06	7.88	2.81	53.50	32.50	58.50	37.50	18.00	36.75
HS2021120	1-1/2*24	21400	1.50	2.06	7.88	2.81	65.50	38.50	75.50	43.50	24.00	41.60

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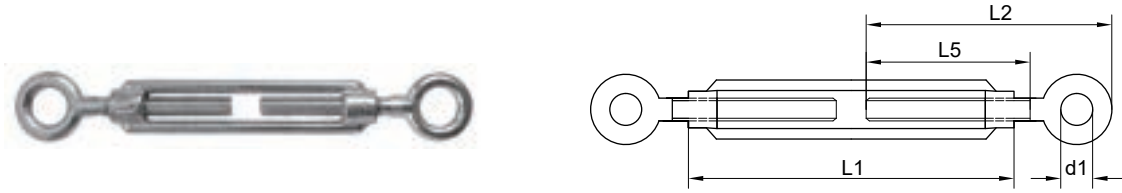
Italian Type Turnbuckle with Eye & Hook



Stock No.	Size	Dimensions (mm)							Weight (kg)
		L1	L2	L3	L4	L5	d1	b1	
HS2021201	M5	70	45	55	35	30	7.5	7	0.025
HS2021202	M6	90	65	70	45	38	10	8	0.032
HS2021203	M8	110	82	82	50	50	10.5	10.5	0.040
HS2021204	M10	125	90	92	63	60	12	14	0.050
HS2021205	M12	135	108	104	68	73	15	16	0.065
HS2021206	M14	170	118	122	73	73	18	18	0.085
HS2021207	M16	185	140	120	81	85	22	19	0.100
HS2021208	M20	220	158	145	95	105	24	22	0.200
HS2021209	M24	255	200	170	110	120	28	28	0.320

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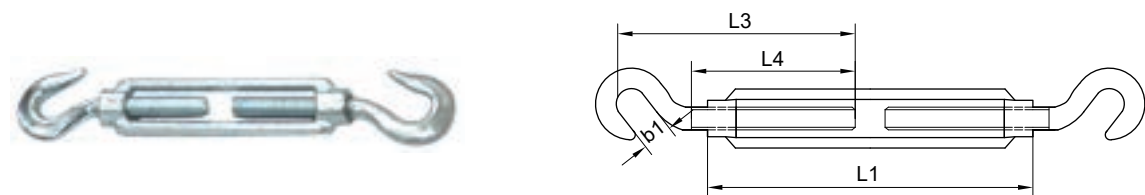
Italian Type Turnbuckle with Eye & Eye



Stock No.	Size	Dimensions (mm)				Weight(kg)
		L1	L2	L5	d1	
HS2021301	M5	70	45	30	7.5	0.025
HS2021302	M6	90	65	38	10	0.032
HS2021303	M8	110	82	50	10.5	0.040
HS2021304	M10	125	90	60	12	0.050
HS2021305	M12	135	108	73	15	0.065
HS2021306	M14	170	118	73	18	0.085
HS2021307	M16	185	140	85	22	0.100
HS2021308	M20	220	158	105	24	0.200
HS2021309	M24	255	200	120	28	0.320

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Italian Type Turnbuckle with Hook & Hook



Stock No.	Size	Dimensions (mm)				Weight(kg)
		L1	L3	L4	b1	
HS2021401	M5	70	55	35	7	0.025
HS2021402	M6	86	70	45	8	0.032
HS2021403	M8	110	82	50	10.5	0.040
HS2021404	M10	125	92	63	14	0.050
HS2021405	M12	135	104	68	16	0.065
HS2021406	M14	170	122	73	18	0.085
HS2021407	M16	185	120	81	19	0.100
HS2021408	M20	220	145	95	22	0.200
HS2021409	M24	255	170	110	28	0.320

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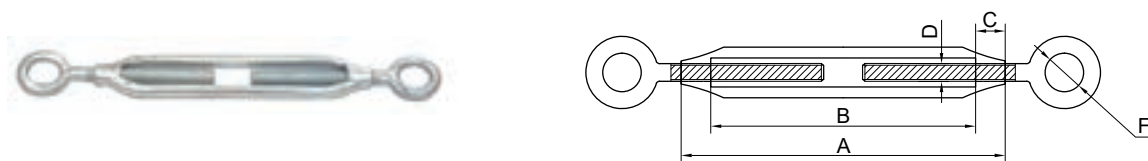
JIS Type Frame Turnbuckle with Eye & Hook



Stock No.	Size(D)		TL	Dimensions (mm)					Weight (lbs)
	(mm)	(in)		A	B	C	E	F	
HS2021601	6	1/4	0.04	100	78	11	9	10	0.11
HS2021602	8	5/16	0.08	125	100	12.5	9	12	0.22
HS2021603	9	3/8	0.15	150	120	12.5	11	16	0.29
HS2021604	12	1/2	0.35	200	164	18	16	20	0.58
HS2021605	16	5/8	0.7	250	202	21.5	19	22	1.05
HS2021606	19	3/4	1	300	250	25	20	28	1.78
HS2021607	22	7/8	1.5	325	269	28	21	33	2.58
HS2021608	25	1	2	350	285	32.5	26	35	3.77
HS2021609	32	1-1/4	3	400	310	45	34	36	7.52
HS2021610	38	1-1/2	4	450	350	55	35	40	12.81

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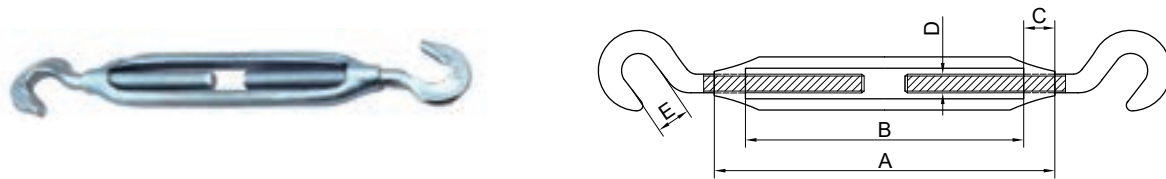
JIS Type Frame Turnbuckle with Eye & Eye



Stock No.	Size(D)		TL	Dimensions (mm)				Weight (lbs)
	(mm)	(in)		A	B	C	F	
HS2021501	6	1/4	0.1	100	78	11	10	0.12
HS2021502	8	5/16	0.2	125	100	12.5	12	0.22
HS2021503	9	3/8	0.5	150	120	12.5	16	0.3
HS2021504	12	1/2	2	200	164	18	20	0.58
HS2021505	16	5/8	3	250	202	21.5	22	1.07
HS2021506	19	3/4	4	300	250	25	28	1.77
HS2021507	22	7/8	5	325	269	28	33	2.55
HS2021508	25	1	6	350	285	32.5	35	3.79
HS2021509	32	1-1/4	10	400	310	45	36	7.6
HS2021510	38	1-1/2	15	450	350	55	40	13.5

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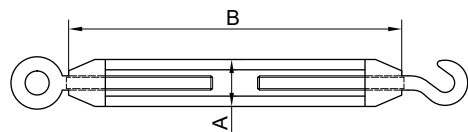
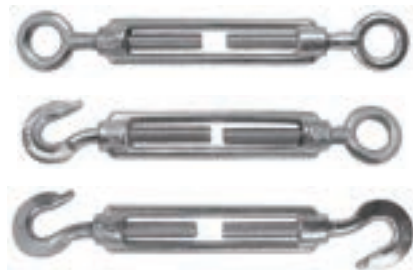
JIS Type Frame Turnbuckle with Hook & Hook



Stock No.	Size(D)		TL	Dimensions (mm)				Weight (lbs)
	(mm)	(in)		A	B	C	E	
HS2021701	6	1/4	0.04	100	78	11	9	0.11
HS2021702	8	5/16	0.08	125	100	12.5	9	0.21
HS2021703	9	3/8	0.15	150	120	12.5	11	0.29
HS2021704	12	1/2	0.35	200	164	18	16	0.57
HS2021705	16	5/8	0.7	250	202	21.5	19	1.03
HS2021706	19	3/4	1	300	250	25	20	1.77
HS2021707	22	7/8	1.5	325	269	28	21	2.6
HS2021708	25	1	2	350	285	32.5	26	3.72
HS2021709	32	1-1/4	3	400	310	45	34	7.45
HS2021710	38	1-1/2	4	450	350	55	35	12.95

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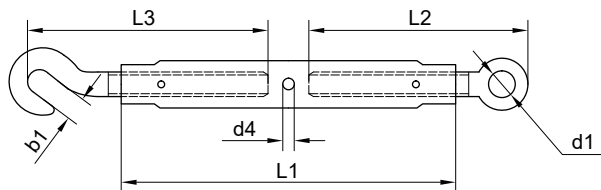
Commercial Type Turnbuckle



Stock No.	WLL (kg)	A x B (mm)	Weight (kg)
HS2021801	100	6x100	0.16
HS2021802	200	8x125	0.24
HS2021803	300	10x150	0.39
HS2021804	500	12x200	0.64
HS2021805	1000	16x250	1.44
HS2021806	1500	20x300	2.45
HS2021807	2200	22x330	3.6
HS2021808	3000	24x350	5

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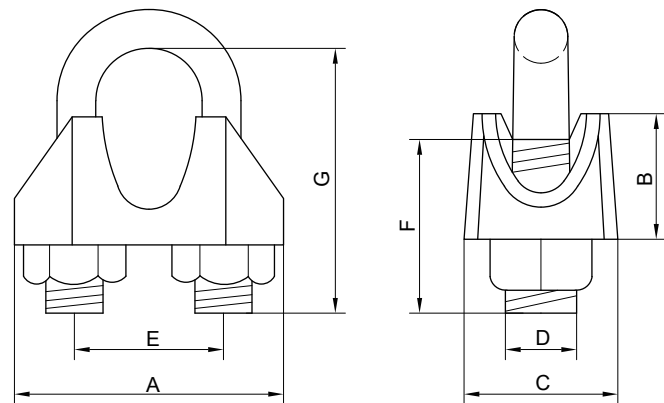
DIN1478 Turnbuckle



Stock No.	Size	Dimensions (mm)							Weight 100pcs/kg
		L1	d4	L2	L3	b1	d1	Total Length	
HS2021901	M6	110	6	80	85	8.5	9	172	11.6
HS2021902	M8	110	8	84	85	11	10	182	19
HS2021903	M10	125	8	105	112	13.5	14	213	31
HS2021904	M12	125	10	115	117	15.5	16	238	42
HS2021905	M16	170	10	165	138	19	22	320	89
HS2021906	M20	200	12	167	170	20.5	24	367	158
HS2021907	M24	255	12	205	205	26	27	447	292
HS2021908	M30	255	16	255	225	33	31	512	430
HS2021909	M36	295	16	276	255	44	43	568	605
HS2021910	M42	330	20	260	340	48	49	683	1160
HS2021911	M48	355	20	300	360	58	58	755	1600

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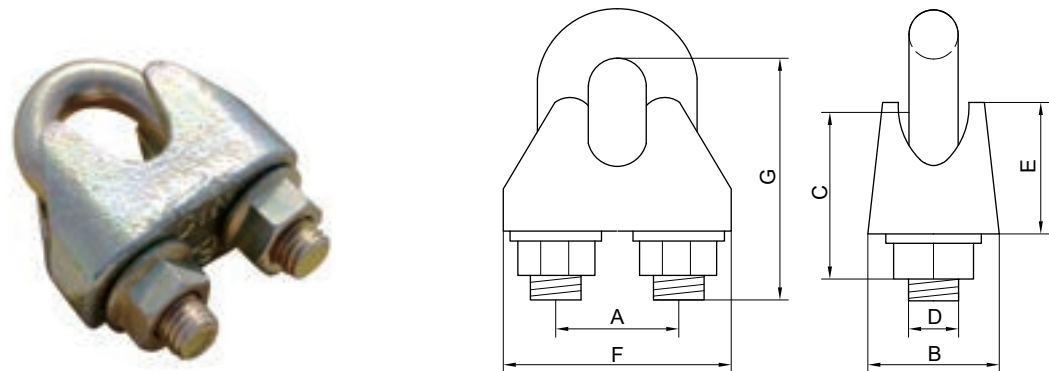
DIN741 Malleable Wire Rope Clips



Stock No.	Size (mm)	Dimensions(mm)							Weight 100pcs (kg)
		A	B	C	D	E	F	G	
HS2030101	3	18	8	18	4	9	12	20	8.2
HS2030102	5	21	9	21	5	11	13	24	12.0
HS2030103	6.5	23	11	23	5	13	15	26	15.0
HS2030104	8	28	13	28	6	16	19	32	26.0
HS2030105	10	33	15	33	8	19	20	44	54.0
HS2030106	11	33	15	33	8	19	20	46	54.0
HS2030107	13	41	21	41	10	24	30	52	108.0
HS2030108	14	41	21	41	10	27	33	53	110.0
HS2030109	16	49	25	49	12	29	38	65	170.0
HS2030110	19	53	28	53	12	32	40	71	220.0
HS2030111	22	62	33	62	14	37	45	85	330.0
HS2030112	26	65	35	65	14	41	45	92	390.0
HS2030113	30	74	43	74	16	48	50	96	560.0
HS2030114	32	74	49	79	16	50	55	113	660.0
HS2030115	34	80	50	80	16	50	55	105.6	660.0
HS2030116	40	87	55	87	16	57	57	137	820.0

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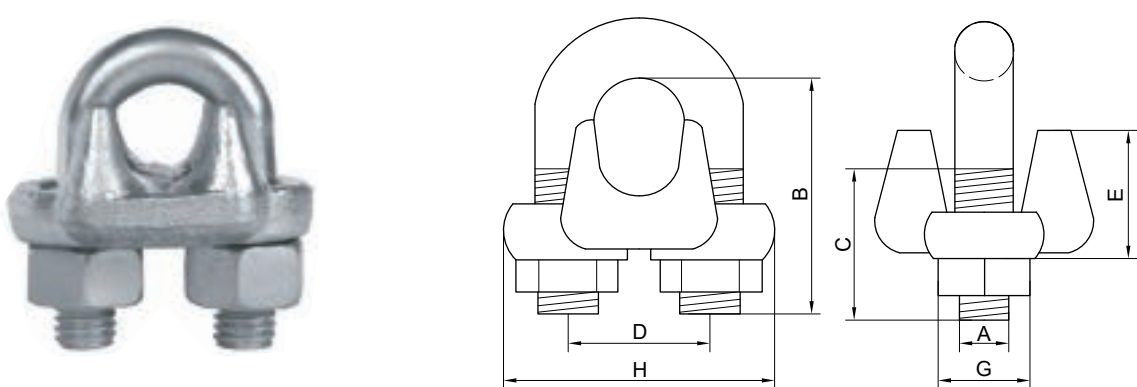
DIN1142 Malleable Wire Rope Clips



Stock No.	Size (mm)	Dimensions(mm)							Weight 100pcs (kg)
		A	B	C	D	E	F	G	
HS2030201	5	12	13	13	5	25	25	20	2.08
HS2030202	6.5	14	16	17	6	30	30	26	4
HS2030203	8	18	20	20	8	39	39	33	8.2
HS2030204	10	20	20	24	8	40	40	38	9.2
HS2030205	13	17	28	30	12	55	55	52	27.5
HS2030206	16	32	32	35	14	64	64	64	43
HS2030207	19	36	32	36	14	68	68	69	49
HS2030208	22	40	34	40	16	74	74	80	68
HS2030209	26	46	38	50	20	84	84	91	117
HS2030210	30	54	41	55	20	95	95	107	140
HS2030211	34	60	45	60	22	105	105	119	213
HS2030212	40	66	49	65	24	117	117	135	268

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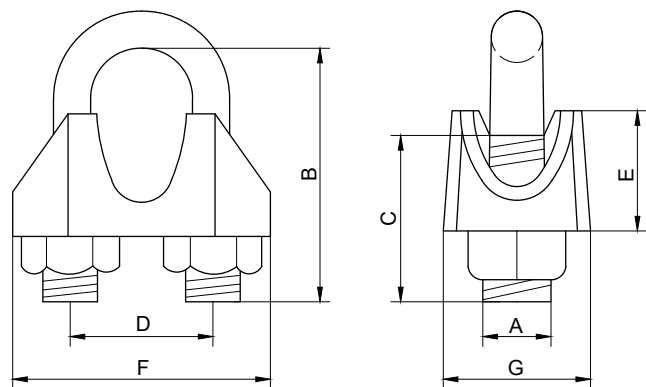
US Type Drop Forged Wire Rope Clips



Stock No.	Size (in)	Dimensions(in)								Weight 100pcs (kg)
		A	B	C	D	E	F	G	H	
HS2030301	1/8	0.22	0.72	0.44	0.47	0.37	0.38	0.81	0.99	6
HS2030302	3/16	0.25	0.97	0.56	0.59	0.50	0.44	0.94	1.18	10
HS2030303	1/4	0.31	1.03	0.5	0.75	0.66	0.56	1.19	1.43	19
HS2030304	5/16	0.38	1.38	0.75	0.88	0.73	0.69	1.31	1.66	28
HS2030305	3/8	0.44	1.5	0.75	1	0.91	0.75	1.63	1.94	48
HS2030306	7/16	0.5	1.88	1	1.19	1.13	0.88	1.91	2.28	78
HS2030307	1/2	0.5	1.88	1	1.19	1.13	0.88	1.91	2.28	80
HS2030308	9/16	0.56	2.25	1.25	1.31	1.34	0.94	2.06	2.5	109
HS2030309	5/8	0.56	2.25	1.25	1.31	1.34	0.94	2.06	2.5	110
HS2030310	3/4	0.62	2.75	1.44	1.5	1.39	1.06	2.25	2.84	142
HS2030311	7/8	0.75	3.12	1.62	1.75	1.58	1.25	2.44	2.16	212
HS2030312	1	0.75	3.5	1.81	1.88	1.77	1.25	2.63	3.47	252
HS2030313	1 1/8	0.75	3.88	2	2	1.91	1.25	2.81	3.59	283
HS2030314	1 1/4	0.88	4.44	2.22	2.34	2.17	1.44	3.13	4.13	438
HS2030315	1 3/8	0.88	4.44	2.22	2.34	2.31	1.44	3.13	4.19	442
HS2030316	1 1/2	0.88	4.94	2.38	2.59	2.44	1.44	3.41	4.44	544
HS2030317	1 5/8	1	5.31	2.62	2.75	2.66	1.63	3.63	4.75	704
HS2030318	1 3/4	1.13	5.75	2.75	3.06	2.92	1.81	3.81	5.24	934
HS2030319	2	1.25	6.44	3	3.38	3.03	2	4.44	5.88	1300
HS2030320	2 1/4	1.25	7.13	3.19	3.88	3.19	2	4.56	6.38	1600
HS2030321	2 1/2	1.25	7.69	3.44	4.13	3.69	2	4.69	6.63	1900
HS2030322	2 3/4	1.25	8.31	3.56	4.38	4.88	2	5	6.88	2300
HS2030323	3	1.5	9.19	3.88	4.75	4.44	2.38	5.31	7.61	3100
HS2030324	3 1/2	1.5	10.75	4.5	5.5	6	2.38	6.19	8.38	4000

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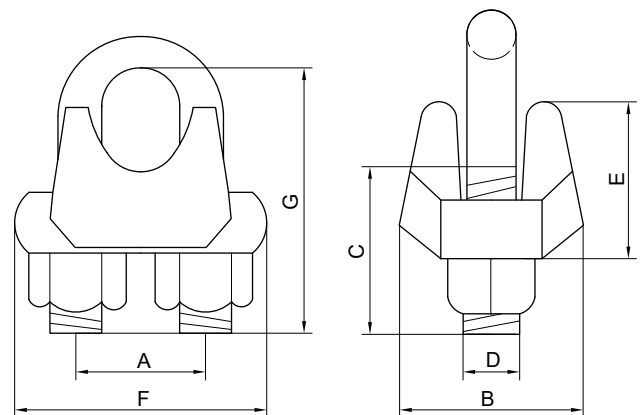
US Type Malleable Wire Rope Clips



Stock No.	Size (in)	Dimensions(in)							Weight 100pcs (kg)
		A	B	C	D	E	G	F	
HS2030401	1/8	1/4	13/16	1/2	1/2	7/16	1/2	15/16	4.3
HS2030402	3/16	1/4	31/32	5/8	9/16	1/2	9/16	1-1/16	6.8
HS2030403	1/4	5/16	1-7/32	7/8	11/16	5/8	11/16	1-3/8	14.5
HS2030404	5/16	5/16	1-7/32	7/8	11/16	11/16	11/16	1-3/8	15
HS2030405	3/8	3/8	1-5/8	1	7/8	13/16	7/8	1-5/8	21.5
HS2030406	7/16	3/8	1-5/8	1	7/8	13/16	15/16	1-5/8	24
HS2030407	1/2	7/16	2	1-1/4	1	1-1/16	1	1-7/8	37
HS2030408	9/16	1/2	2-5/16	1-15/32	1-3/16	1-3/16	1-1/8	2-3/16	55
HS2030409	5/8	1/2	2-5/16	1-15/32	1-3/16	1-5/16	1-1/8	2-3/16	59
HS2030410	3/4	9/16	2-9/16	1-3/4	1-11/32	1-1/2	1-1/4	2-7/16	84
HS2030411	7/8	5/8	3-1/16	1-13/16	1-5/8	1-3/4	1-3/4	2-7/8	128
HS2030412	1	5/8	3-3/8	2-1/16	1-3/4	1-15/16	2	3	150
HS2030413	1 1/8	3/4	3-7/8	2-3/16	2-1/16	2-3/16	2-1/8	3-7/16	243
HS2030414	1 1/4	3/4	3-7/8	2-3/16	2-1/16	2-3/8	2-1/2	3-7/16	262
HS2030415	1 3/8	7/8	4-1/2	2	2-9/16	2-7/8	3-1/8	4-3/16	456
HS2030416	1 1/2	7/8	4-1/2	2	2-9/16	3	3-1/4	4-1/4	512

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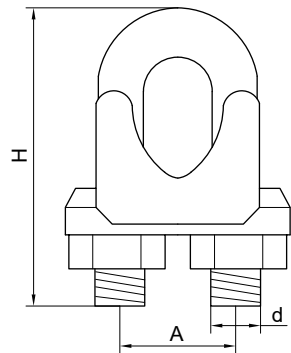
Galvanized Malleable Wire Rope Clips Type A



Stock No.	Size (mm)	Dimensions(mm)							Weight 100pcs (lbs)
		A	B	C	D	E	F	G	
HS2030501	6	12	17	14	5	14	23	24	2.5
HS2030502	8	15	21	16	6	17	28	30	4.5
HS2030503	10	19	28	20	8	21	38	37	9.0
HS2030504	12	24	34	25	10	27	45	47	18.0
HS2030505	15	29	40	30	12	32	52	56	28.0
HS2030506	20	36	47	36	14	38	62	70	47.0
HS2030507	22	40	52	39	16	43	69	77	62.0
HS2030508	25	43	56	44	18	50	76	85	85.0
HS2030509	28	48	62	48	20	57	85	95	120.0
HS2030510	32	55	67	51	22	61	93	108	157.0
HS2030511	36	61	78	60	2	68	105	113	185.0
HS2030512	40	64	81	62	24	73	111	120	261.0

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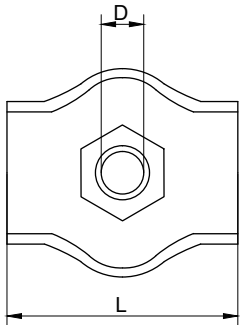
Heavy Duty Malleable Wire Rope Clips



Stock No.	Size (mm)	Dimensions(mm)			Weight 100pcs (lbs)
		d	A	H	
HS2030601	6	m6	13	31	3.8
HS2030602	8	m8	17	41	7.5
HS2030603	10	m10	21	51	13.0
HS2030604	12	m12	25	62	20.0
HS2030605	15	m15	29	70	32.0
HS2030606	18	m16	35	87	42.0
HS2030607	20	m16	37	92	49.0
HS2030608	22	m20	43	108	72.0
HS2030609	25	m25	46	113	98.0
HS2030610	28	m22	51.5	127	146.0
HS2030611	32	m22	55.5	136	165.0

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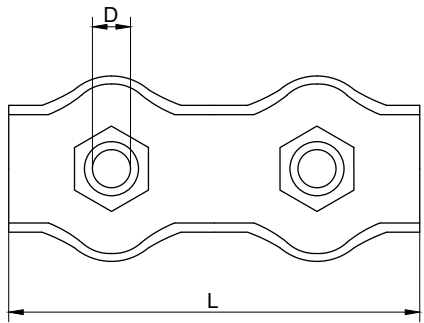
Simplex Wire Rope Clip



Stock No.	Size (mm)	Dimensions(mm)		Weight 100pcs (kg)
		L	D	
HS2030701	2	18	M4	1.06
HS2030702	3	20	M4	1.4
HS2030703	4	21	M5	2.47
HS2030704	5	26	M6	3.09
HS2030705	6	30	M6	4.9
HS2030706	8	36	M8	11
HS2030707	10	42	M10	17

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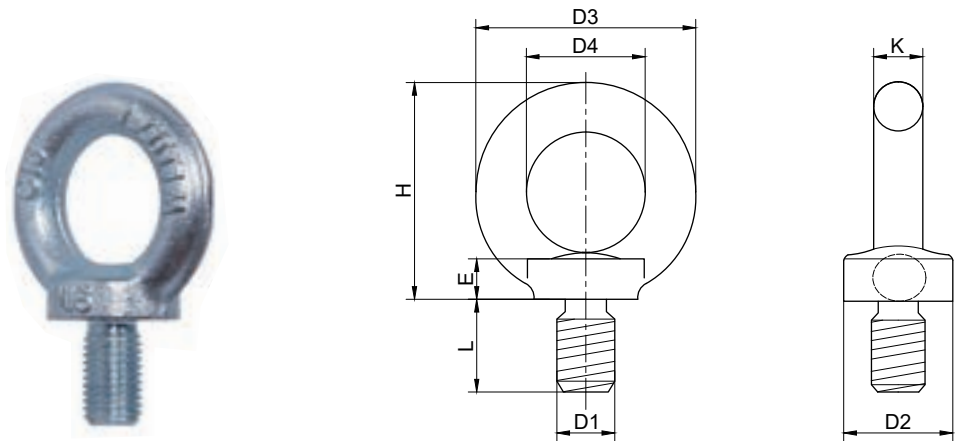
Duplex Wire Rope Clip



Stock No.	Size (mm)	Dimensions(mm)		Weight 100pcs (kg)
		L	D	
HS2030801	2	37	M4	2.21
HS2030802	3	40	M4	2.8
HS2030803	4	43	M5	4.9
HS2030804	5	52	M6	6.5
HS2030805	6	60	M6	9.62
HS2030806	8	72	M8	21.73
HS2030807	10	84	M10	33.53

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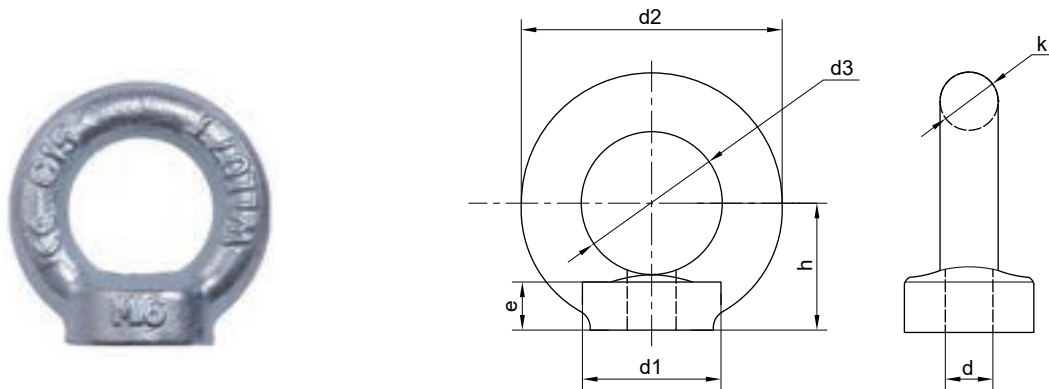
DIN580 Eye Bolt



Stock No.	Size D1 (mm)	WLL (t)	Dimensions(mm)							Weight (kg)
			D3	D4	D2	H	L	K	E	
HS2040101	M6	0.14	36.0	20.0	20.0	36.0	13.0	8.0	6.0	50
HS2040102	M8	0.14	36.0	20.0	20.0	36.0	13.0	8.0	6.0	60
HS2040103	M10	0.23	45.0	25.0	25.0	45.0	17.0	10.0	8.0	108
HS2040104	M12	0.34	54.0	30.0	30.0	53.0	20.5	12.0	10.0	172
HS2040105	M14	0.49	63.0	35.0	35.0	62.0	27.0	14.0	12.0	280
HS2040106	M16	0.70	63.0	35.0	35.0	62.0	27.0	14.0	12.0	280
HS2040107	M18	0.10	72.0	40.0	40.0	71.0	30.0	16.0	14.0	450
HS2040108	M20	1.20	72.0	40.0	40.0	71.0	30.0	16.0	14.0	450
HS2040109	M22	1.50	90.0	50.0	50.0	90.0	36.0	20.0	18.0	870
HS2040110	M24	1.80	90.0	50.0	50.0	90.0	36.0	20.0	18.0	870
HS2040111	M27	2.50	108.0	60.0	65.0	109.0	45.0	24.0	22.0	1660
HS2040112	M30	3.60	108.0	60.0	65.0	109.0	45.0	24.0	22.0	1660
HS2040113	M33	4.30	126.0	70.0	75.0	128.0	54.0	28.0	26.0	2560
HS2040114	M36	5.10	126.0	70.0	75.0	128.0	54.0	28.0	26.0	2560
HS2040115	M42	7.00	144.0	80.0	85.0	148.0	63.0	32.0	30.0	4140
HS2040116	M48	8.60	166.0	90.0	100.0	168.0	70.0	38.0	35.0	6770
HS2040117	M56	11.50	184.0	100.0	110.0	188.0	78.0	42.0	38.0	8700
HS2040118	M64	16.00	206.0	110.0	120.0	208.0	90.0	48.0	42.0	12500

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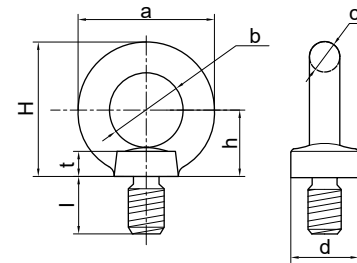
DIN582 Eye Nut



Stock No.	Size(d) (mm)	WLL (t)	Dimensions(mm)						Weight (kg)
			d1	d2	d3	e	h	k	
HS2040201	M6	0.14	20.00	36.00	20.00	8.50	18.00	8.00	0.05
HS2040202	M8	0.14	20.00	36.00	20.00	8.50	18.00	8.00	0.05
HS2040203	M10	0.23	25.00	45.00	25.00	10.00	22.00	10.00	0.10
HS2040204	M12	0.34	30.00	54.00	30.00	11.00	26.00	12.00	0.16
HS2040205	M16	0.70	35.00	63.00	35.00	13.00	31.00	14.00	0.24
HS2040206	M20	1.20	40.00	72.00	40.00	16.00	35.00	16.00	0.35
HS2040207	M22	1.50	45.00	81.00	45.00	18.00	40.00	18.00	0.32
HS2040208	M24	180.00	50.00	90.00	50.00	20.00	45.00	20.00	0.75
HS2040209	M27	2.50	50.00	90.00	50.00	20.00	45.00	20.00	0.73
HS2040210	M30	3.60	65.00	108.00	60.00	25.00	55.00	24.00	1.40
HS2040211	M33	4.30	65.00	108.00	60.00	25.00	55.00	24.00	1.30
HS2040212	M36	5.10	75.00	126.00	70.00	30.00	64.00	28.00	2.20
HS2040213	M42	7.00	85.00	144.00	80.00	35.00	74.00	32.00	3.10
HS2040214	M48	8.60	100.00	166.00	90.00	40.00	84.00	38.00	5.01
HS2040215	M56	11.50	110.00	184.00	100.00	45.00	94.00	42.00	6.69
HS2040216	M64	16.00	120.00	206.00	110.00	50.00	104.00	48.00	9.30

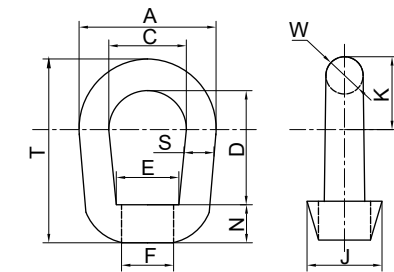
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G400 Eye Nut



Stock No.	Size (mm)	WLL (kn)	Dimensions(mm)								Weight (kg)
			a	b	c	d	t	h	H	I	
HS2040301	M6	0.588	26	16	5.8	13.5	6	14	27	14	0.016
HS2040302	M8	0.785	32.6	20	6.3	16	5	17	33.3	15	0.03
HS2040303	M10	1.47	41	25	8	20	7	21	41.5	18	0.06
HS2040304	M12	2.16	50	30	10	25	9	26	51	22	0.12
HS2040305	M16	4.41	60	35	12.5	30	11	30	60	27	0.22
HS2040306	M20	6.18	72	40	16	35	13	35	71	30	0.39
HS2040307	M24	9.32	90	50	20	45	18	45	90	38	0.8
HS2040308	M30	14.7	110	60	25	60	22	55	110	45	1.56
HS2040309	M36	22.6	133	70	31.5	70	26	65	131.5	55	2.9
HS2040310	M42	33	151	80	35.15	80	30	75	150.5	65	4.4
HS2040311	M48	44.1	170	90	40	90	35	85	170	70	6.1
HS2040312	M64	88.3	210	110	90	110	42	105	210	90	11.5

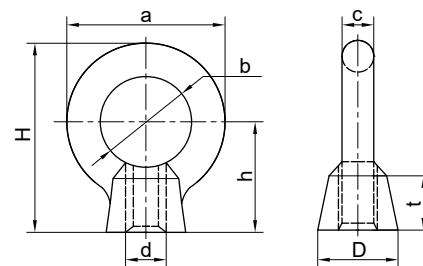
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Stock No.	Size(S) (in)	Std. Tap Size(in)	WLL (lbs)	Dimensions(in)										Weight 100pcs(lbs)
				A	C	D	E	F	J	K	N	T	W	
HS2040501	0.25	1/4	520	1.25	0.75	1.00	0.75	0.50	0.69	0.63	0.38	1.72	0.31	0.09
HS2040502	0.31	3/8	1250	1.62	1.00	1.20	0.83	0.56	0.81	0.89	0.50	2.09	0.41	0.17
HS2040503	0.38	1/2	2250	2.00	1.25	1.44	1.08	0.81	1.00	1.09	0.62	2.55	0.50	0.28
HS2040504	0.5	5/8	3600	2.50	1.50	1.92	1.35	1.00	1.31	1.31	0.69	3.25	0.69	0.60
HS2040505	0.63	3/4	5200	3.00	1.75	2.38	1.59	1.12	1.50	1.57	0.88	3.89	0.84	1.00
HS2040506	0.75	7/8	7200	3.50	2.00	2.63	1.96	1.38	1.88	1.77	0.94	4.32	1.00	1.65
HS2040507	0.88	1	10000	4.00	2.25	3.06	2.21	1.56	2.13	2.02	1.07	5.01	1.19	2.69
HS2040508	1	1 1/4	15500	4.50	2.50	3.50	2.46	1.88	2.38	2.27	1.25	5.78	1.38	4.38
HS2040509	1.13	1 3/8	18500	5.00	2.75	4.00	2.69	2.00	2.56	2.53	1.38	6.51	1.50	5.00
HS2040510	1.25	1 1/2	22500	5.62	3.12	4.31	3.09	2.25	3.00	2.82	1.50	7.06	1.66	6.78
HS2040511	1.5	2	40000	7.12	4.10	6.20	4.09	3.13	3.75	3.68	2.06	9.91	1.94	14.60

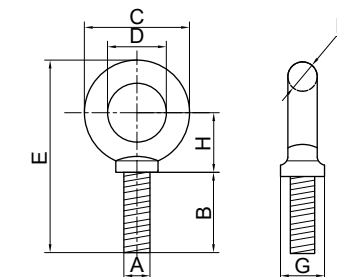
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G279 Shoulder Type Machinery Eye Bolt



Stock No.	Size (mm)	WLL (kn)	Dimensions(mm)								Weight (kg)
			a	b	c	d	t	h	H	D	
HS2040401	M6	0.59	25.00	14.00	6.30	6.30	11.00	20.00	32.50	13.00	0.016
HS2040402	M8	0.80	32.60	20.00	6.30	8.50	12.00	23.00	39.30	16.00	0.026
HS2040403	M10	1.50	41.00	25.00	8.00	10.60	15.00	28.00	48.50	20.00	0.064
HS2040404	M12	2.20	50.00	30.00	10.00	12.50	19.00	36.00	61.00	25.00	0.125
HS2040405	M16	4.50	60.00	35.00	12.50	17.00	23.00	42.00	72.00	30.00	0.223
HS2040406	M20	6.30	72.00	40.00	16.00	21.20	28.00	50.00	86.00	35.00	0.390
HS2040407	M24	9.50	90.00	50.00	20.00	25.00	38.00	66.00	111.00	45.00	0.850
HS2040408	M30	15.00	110.00	60.00	25.00	31.50	46.00	80.00	135.00	60.00	1.750
HS2040409	M36	23.00	133.00	70.00	31.50	37.50	55.00	95.00	161.50	70.00	3.000
HS2040410	M42	34.00	151.00	80.00	35.50	45.00	64.00	109.00	184.50	80.00	4.650
HS2040411	M48	45.00	170.00	90.00	40.00	50.00	73.00	123.00	208.00	90.00	6.600
HS2040412	M64	90.00	210.00	110.00	50.00	67.00	90.00	151.00	256.00	110.00	13.800

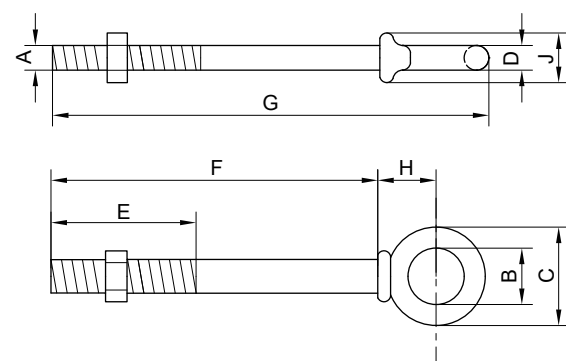
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Stock No.	Size(AxB) (in)	WLL (lbs)	Dimensions(in)								Weight 100pcs(lbs)
			A	B	C	D	E	F	G	H	
HS2040601	1/4x1	650	0.25	1.02	1.13	0.75	2.29	0.19	0.53	0.77	5
HS2040602	5/16x1-1/8	1200	0.31	1.15	1.38	0.88	2.74	0.25	0.59	0.95	9
HS2040603	3/8x1-1/4	1550	0.38	1.27	1.62	1.00	3.07	0.31	0.66	1.05	15
HS2040604	1/2x1-1/2	2600	0.50	1.53	1.95	1.19	3.70	0.38	0.91	1.27	28
HS2040605	5/8x1-3/4	5200	0.63	1.79	2.38	1.38	4.45	0.50	1.13	1.53	55
HS2040606	3/4x2	7200	0.75	2.05	2.76	1.50	5.07	0.63	1.38	1.71	96
HS2040607	7/8x2-1/4	10600	0.88	2.31	3.25	1.75	5.87	0.75	1.56	2.00	154
HS2040608	1x2-1/2	13300	1.00	2.57	3.76	2.00	6.66	0.88	1.81	2.09	238
HS2040609	1-1/4x3	21000	1.25	3.09	4.50	2.50	7.95	1.00	2.28	2.73	399
HS2040610	1-1/2x3-1/2	24000	1.50	3.60	5.50	3.00	9.49	1.25	2.75	3.28	720

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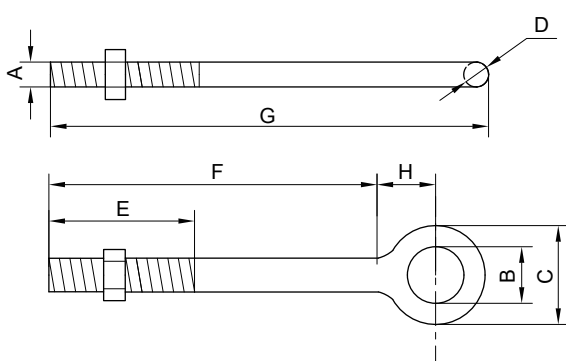
G277 Shoulder Nut Eye Bolt



Stock No.	Size(AxF) (in)	WLL (lbs)	Dimensions(mm)									Weight 100pcs(lbs)
			A	B	C	D	E	F	G	H	J	
HS2040701	1/4x2	500	0.25	0.50	0.88	0.19	1.50	2.00	2.94	0.50	0.47	6.61
HS2040702	1/4x4	500	0.25	0.50	0.88	0.19	2.50	4.00	4.94	0.50	0.47	9.61
HS2040703	5/16x2 1/4	800	0.31	0.62	1.12	0.25	1.50	2.25	3.50	0.69	0.56	12.50
HS2040704	5/16x4 1/4	800	0.31	0.62	1.12	0.25	2.50	4.25	5.50	0.69	0.56	18.75
HS2040705	3/8x2 1/2	1200	0.38	0.75	1.38	0.31	1.50	2.50	3.97	0.78	0.66	21.40
HS2040706	3/8x4 1/2	1200	0.38	0.75	1.38	0.31	2.50	4.50	5.97	0.78	0.66	25.30
HS2040707	1/2x3 1/4	2200	0.50	1.00	1.75	0.38	1.50	3.25	5.12	1.00	0.91	42.60
HS2040708	1/2x6	2200	0.50	1.00	1.75	0.38	3.00	6.00	7.88	1.00	0.91	56.80
HS2040709	5/8x4	3500	0.62	1.25	2.25	0.50	2.00	4.00	6.44	1.31	1.12	68.60
HS2040710	5/8x6	3500	0.62	1.25	2.25	0.50	3.00	6.00	8.44	1.31	1.12	102.40
HS2040711	3/4x4 1/2	5200	0.75	1.50	2.75	0.62	2.00	4.50	7.44	1.56	1.38	144.50
HS2040712	3/4x6	5200	0.75	1.50	2.75	0.62	3.00	6.00	8.94	1.56	1.38	167.50
HS2040713	7/8x5	7200	0.88	1.75	3.25	0.75	2.50	5.00	8.47	1.84	1.56	225.00
HS2040714	1x6	10000	1.00	2.00	3.75	0.88	3.00	6.00	9.97	2.09	1.81	366.30
HS2040715	1x9	10000	1.00	2.00	3.75	0.88	4.00	9.00	12.97	2.09	1.81	422.50
HS2040716	1-1/4x8	15200	1.25	2.50	4.50	1.00	4.00	8.00	12.72	2.47	2.28	650.00
HS2040717	1-1/4x12	15200	1.25	2.50	4.50	1.00	4.00	12.00	16.72	2.47	2.28	795.00
HS2040718	1-1/2x15	21400	1.50	3.00	5.50	1.25	6.00	15.00	20.75	3.00	2.75	1425

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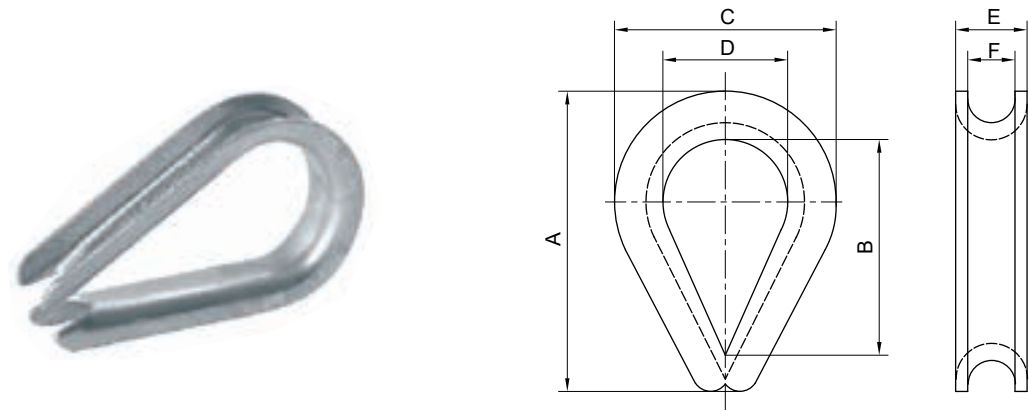
G291 Regular Nut Eye Bolt



Stock No.	Size(AxF) (in)	WLL (lbs)	Dimensions(in)								Weight 100pcs(lbs)
			A	B	C	D	E	F	G	H	
HS2040801	1/4x1	650	0.25	0.50	1.00	0.25	1.50	2.00	3.06	0.56	8.20
HS2040802	1/4x4	650	0.25	0.50	1.00	0.25	2.50	4.00	5.06	0.56	11.70
HS2040803	5/16x2 1/4	1200	0.31	0.62	1.25	0.31	1.50	2.25	3.56	0.69	13.30
HS2040804	5/16x4 1/4	1200	0.31	0.62	1.25	0.31	2.50	4.25	5.56	0.69	25.00
HS2040805	3/8x2 1/2	1550	0.38	0.75	1.50	0.38	1.50	2.50	4.12	0.88	23.30
HS2040806	3/8x4 1/2	1550	0.38	0.75	1.50	0.38	2.50	4.50	6.12	0.88	29.50
HS2040807	3/8x6	1550	0.38	0.75	1.50	0.38	2.50	6.00	7.62	0.88	35.20
HS2040808	1/2x3 1/4	2600	0.50	1.00	2.00	0.50	1.50	3.25	5.38	1.12	50.30
HS2040809	1/2x6	2600	0.50	1.00	2.00	0.50	3.00	6.00	8.12	1.12	66.10
HS2040810	1/2x8	2600	0.50	1.00	2.00	0.50	3.00	8.00	10.12	1.12	82.00
HS2040811	1/2x10	2600	0.50	1.00	2.00	0.50	3.00	10.00	12.12	1.12	88.00
HS2040812	1/2x12	2600	0.50	1.00	2.00	0.50	3.00	12.00	14.12	1.12	114.20
HS2040813	5/8x4	5200	0.62	1.25	2.50	0.62	2.00	4.00	6.69	1.44	103.10
HS2040814	5/8x6	5200	0.62	1.25	2.50	0.62	3.00	6.00	8.69	1.44	118.20
HS2040815	5/8x8	5200	0.62	1.25	2.50	0.62	3.00	8.00	10.69	1.44	135.10
HS2040816	5/8x10	5200	0.62	1.25	2.50	0.62	3.00	10.00	12.69	1.44	153.60
HS2040817	5/8x12	5200	0.62	1.25	2.50	0.62	4.00	12.00	14.69	1.44	167.10
HS2040818	3/4x4 1/2	7200	0.75	1.50	3.00	0.75	2.00	4.50	7.69	1.69	168.60
HS2040819	3/4x6	7200	0.75	1.50	3.00	0.75	3.00	6.00	9.19	1.69	184.50
HS2040820	3/4x8	7200	0.75	1.50	3.00	0.75	3.00	8.00	11.19	1.69	207.90
HS2040821	3/4x10	7200	0.75	1.50	3.00	0.75	3.00	10.00	13.19	1.69	235.00
HS2040822	3/4x12	7200	0.75	1.50	3.00	0.75	4.00	12.00	15.19	1.69	257.50
HS2040823	3/4x15	7200	0.75	1.50	3.00	0.75	5.00	15.00	18.19	1.69	298.00
HS2040824	7/8x5	10600	0.88	1.75	3.50	0.88	2.50	5.00	8.75	2.00	270.00
HS2040825	7/8x8	10600	0.88	1.75	3.50	0.88	4.00	8.00	11.75	2.00	308.00
HS2040826	7/8x12	10600	0.88	1.75	3.50	0.88	4.00	12.00	15.75	2.00	400.00
HS2040827	1x6	13300	1.00	2.00	4.00	1.00	3.00	6.00	10.31	2.31	421.00
HS2040828	1x9	13300	1.00	2.00	4.00	1.00	4.00	9.00	13.31	2.31	468.50
HS2040829	1x12	13300	1.00	2.00	4.00	1.00	4.00	12.00	16.31	2.31	540.00
HS2040830	1x18	13300	1.00	2.00	4.00	1.00	7.00	18.00	22.31	2.31	650.00
HS2040831	1 1/4x8	21000	1.25	2.50	5.00	1.25	4.00	8.00	13.38	2.88	750.00
HS2040832	1 1/4x12	21000	1.25	2.50	5.00	1.25	4.00	12.00	17.38	2.88	900.00
HS2040833	1 1/4x20	21000	1.25	2.50	5.00	1.25	6.00	20.00	25.38	2.88	1210.00

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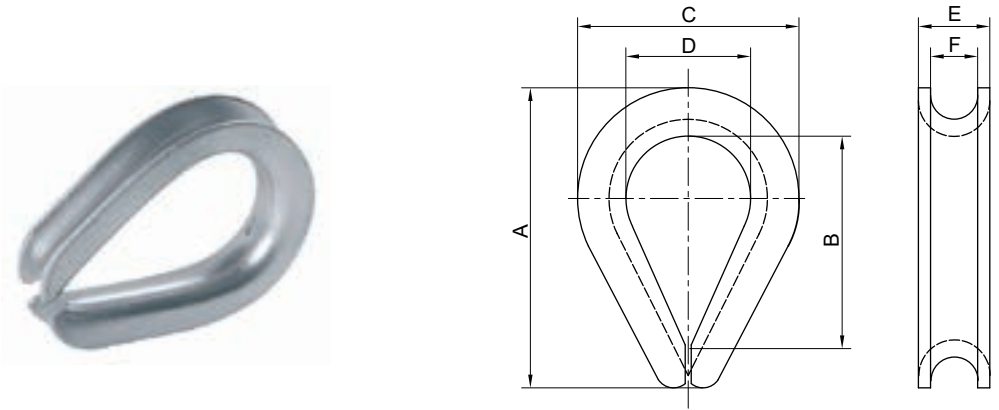
G411 US Type Light Wire Rope Thimble



Stock No.	Size (in)	Dimensions(mm)						Weight (kg)
		A	B	C	D	E	F	
HS2050101	1/8	49.28	33.27	27	17.5	6.35	4	0.013
HS2050102	3/16	49.28	33.27	27	17.5	7.87	5	0.013
HS2050103	1/4	49.28	33.27	27	17.5	9.65	7	0.013
HS2050104	5/16	54	38	31.75	20.57	11.18	8.6	0.016
HS2050105	3/8	60.5	41	37	23.88	13.46	10.4	0.026
HS2050106	1/2	69.85	47.75	44.45	28.7	17.53	13.5	0.052
HS2050107	5/8	89	57.15	60.45	35.05	23.11	16.8	0.145
HS2050108	3/4	95.25	63.5	68.33	41.4	27.43	19.8	0.2
HS2050109	7/8	127	88.9	81.03	47.75	32.26	23.88	0.32
HS2050110	1	169.93	107.95	95.25	63.5	35.3	26.92	0.4
HS2050111	1 1/8-1 1/4	158.75	114.3	109.47	69.85	44.45	33.27	0.84
HS2050112	1 3/8	207	191.5	145	90	48	36	1.36
HS2050113	1 1/2	225	206	165	105	51.62	39.62	1.42
HS2050114	1 5/8	248	230	176	110	59	43	1.64
HS2050115	1 3/4	264	243.5	180	110	62	46	1.94
HS2050116	1 7/8	283	264	186	114.3	68	52	2.14
HS2050117	2	289	270	188	114.3	69	53	4.94
HS2050118	2 1/2	316.3	295.3	252	152	84	64	7.4

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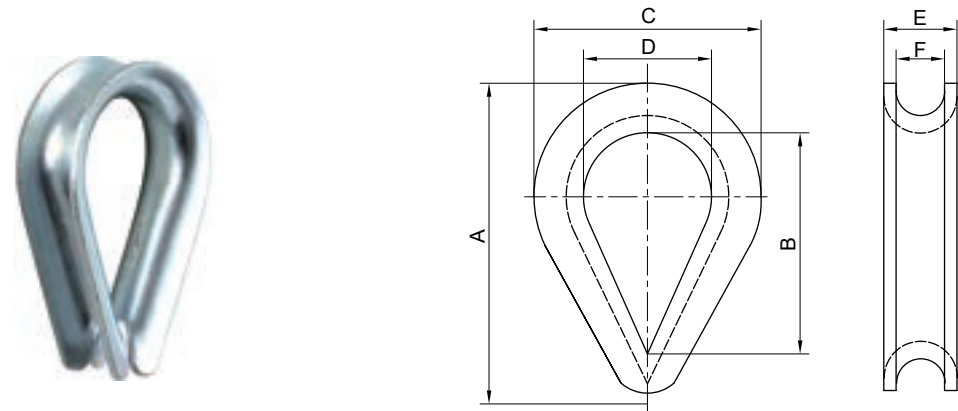
G414 US Type Heavy Duty Wire Rope Thimble



Stock No.	Size (in)	Dimensions(mm)						Weight (kg)
		A	B	C	D	E	F	
HS2050201	1/8	49.53	33.53	28.92	17.78	6.35	4	0.012
HS2050202	3/16	49.53	33.53	28.92	17.78	6.35	4	0.012
HS2050203	1/4	55.62	41.4	38.1	22.35	10.41	7.11	0.012
HS2050204	5/16	63.5	47.75	45.97	26.92	12.7	8.64	0.05
HS2050205	3/8	73.5	54.1	54.1	28.7	16	10.41	0.1
HS2050206	7/16	82.55	60.45	60.45	31.75	18.29	11.94	0.136
HS2050207	1/2	92.2	69.85	69.85	38.1	20.57	13.46	0.22
HS2050208	9/16	92.2	69.85	68.33	38.1	22.35	15	0.22
HS2050209	5/8	107.95	82.55	79.5	44.45	24.64	16.76	0.32
HS2050210	3/4	127	92.25	99.77	50.8	31	19.81	0.6
HS2050211	7/8	139.7	107.95	107.95	57.15	35.05	23.88	0.86
HS2050212	1	155.7	114.3	125.48	63.5	39.62	26.92	1.06
HS2050213	1 1/8-1 1/4	177.8	130.3	149.35	73.15	45.97	33.27	1.54
HS2050214	1 3/8	230.12	165.1	172.97	88.9	55.63	36.58	3.71
HS2050215	1 1/2	228.6	158.75	181.1	88.9	65.02	39.62	4.2
HS2050216	1 5/8	285.75	203.2	206.5	101.6	69.09	43.67	6.25
HS2050217	1 3/4	309.63	228.6	215.9	114.3	72.14	46.74	7.1
HS2050218	2	384.3	304.8	263.65	152.4	78.49	53.09	10.44
HS2050219	2 1/4	435.1	355.6	301.75	177.8	92.2	60.45	18.44
HS2050220	2 1/2	522	399.1	316.2	187.8	102.6	66.6	26.3

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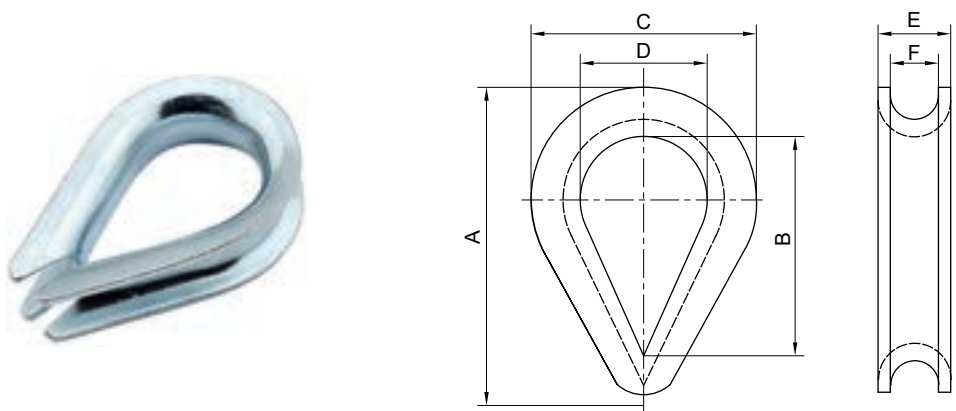
DIN 6899A Wire Rope Thimble



Stock No.	Size (mm)	Dimensions(mm)						Weight (kg)
		A	B	C	D	E	F	
HS2050301	2.5	28	21.5	16	10	5	3	0.14
HS2050302	3	30	23.5	17	11	5.5	3.5	0.35
HS2050303	4	34	26.5	19	12	6	4	0.42
HS2050304	5	36	28	20	13	7	5	0.80
HS2050305	6	38	30	22	14	8	6	0.85
HS2050306	7	43	33	24	15	9	7	1.10
HS2050307	8	46	35	26	16	10	8	1.70
HS2050308	9	50	39	29	18	11	9	2.10
HS2050309	10	56	43	32	20	13	10	3.50
HS2050310	11	63	47.5	36	22	14	11	3.70
HS2050311	12	68	51.5	40	24	15	12	5.25
HS2050312	13	75	56.5	44	26	17	13	7.25
HS2050313	14	82	61	48	28	18	14	8.33
HS2050314	16	91	69.5	54	32	21	16.5	12.30
HS2050315	18	102	78	59	35	24	18	18.50
HS2050316	20	114	86.5	68	40	28	20	31.50
HS2050317	22	126	95	76	44	30	22	36.50
HS2050318	24	135	103.5	84	48	32	24	41.70
HS2050319	28	162	120.5	100	56	38	28	72.10

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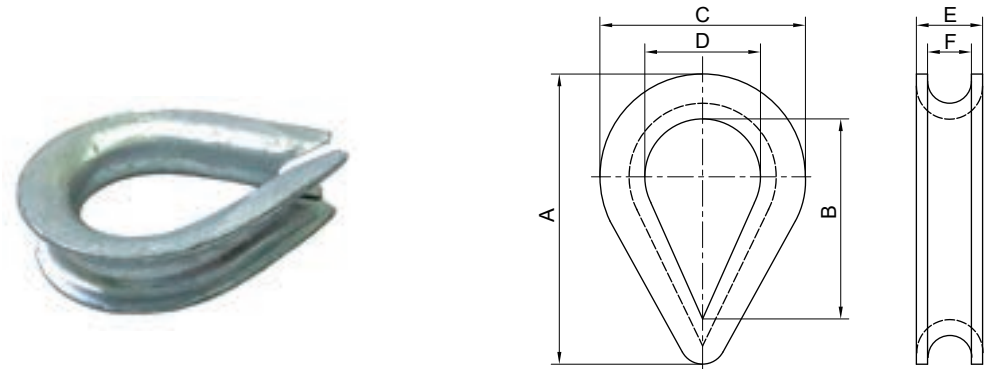
DIN 6899B Wire Rope Thimble



Stock No.	Size (mm)	Dimensions(mm)						Weight (kg)
		A	B	C	D	E	F	
HS2050401	3	28	19	18.5	12	6	3	0.50
HS2050402	4	30	21	20.5	13	7	4	0.80
HS2050403	5	33	23	22.5	14	8	5	1.00
HS2050404	6	39	26	27	16	10	6	1.60
HS2050405	7	43	30	30	18	11	7	1.90
HS2050406	8	48	32	33	20	12	8	3.00
HS2050407	10	58	38	39	24	14	10	4.70
HS2050408	12	69	45	47	28	17	12	6.80
HS2050409	13	73	48	50	30	18	13	8.00
HS2050410	14	77	51	53	32	19	14	10.00
HS2050411	16	88	58	60	36	22	16	14.50
HS2050412	17	95	61	65	38	25	17	18.00
HS2050413	18	100	64	68	40	26	18	20.00
HS2050414	20	113	72	75	45	28	20	29.00
HS2050415	22	123	80	82	50	30	22	32.00
HS2050416	24	135	90	92	56	34	24	47.00
HS2050417	26	145	99	100	62	36	26	59.00
HS2050418	28	162	112	110	70	38	28	80.00
HS2050419	30	175	120	120	75	42	30	110.00

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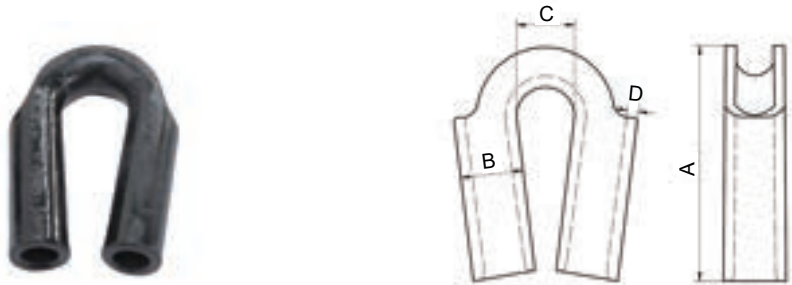
BS464 Thimble



Stock No.	Size (in)	Dimensions(in)						Weight (kg)
		A	B	C	D	E	F	
HS2050501	5/16	2-1/8	1-5/16	1-1/2	7/8	1/2	5/16	0.065
HS2050502	3/8	2-1/2	1-1/2	1-7/8	1	9/16	13/32	0.091
HS2050503	7/16	2-7/8	1-1/2	2-1/8	1-1/8	11/16	1/2	0.120
HS2050504	1/2	3-1/8	1-3/4	2-5/16	1-1/4	13/16	9/16	0.160
HS2050505	9/16	3-1/8	1-3/4	2-5/16	1-1/4	13/16	9/16	0.172
HS2050506	5/8	3-7/8	2-5/16	2-15/16	1-5/8	7/8	5/8	0.260
HS2050507	1-1/16	4-1/4	2-5/8	3-1/8	1-3/4	1-1/8	3/4	0.340
HS2050508	3/4	4-7/8	2-7/8	3-5/8	2	1-1/8	13/16	0.450
HS2050509	7/8	4-1/4	3-1/4	4	2-1/4	1-1/4	7/8	0.620
HS2050510	1-5/16	5-3/4	3-5/8	5-11/16	2-1/2	1-5/16	1	0.800
HS2050511	1	6-3/8	4-1/4	4-11/16	2-3/4	1-3/8	1-1/16	0.950
HS2050512	1-1/18	7	4-3/8	5-1/4	3	1-1/8	1-1/8	1.270
HS2050513	1-1/4	7-3/4	5-1/4	6	3-3/4	1-5/8	1-5/16	1.600
HS2050514	1-3/8	9	6	6-7/8	4-1/8	1-7/8	1-1/2	2.350
HS2050515	1-1/2	10	6-1/2	7-3/4	4-1/2	2-1/8	1-5/8	3.300
HS2050516	1-5/8	10	6-1/2	7-3/4	4-1/2	2-3/16	1-1/6	3.350
HS2050517	1-3/4	11-1/4	7	9	5	2-1/4	2	6.250
HS2050518	1-7/8	12-1/4	7-1/2	9-3/4	5-1/4	2-5/8	2-3/8	7.700
HS2050519	2	13	8	10-1/8	5-1/2	3-2/4	2-1/8	8.050
HS2050520	2-1/8	13	8	10-1/8	5-1/2	2-3/4	2-1/2	8.300
HS2050521	2-1/4	14	8-1/2	10-5/8	5-3/4	3	2-5/8	8.600
HS2050522	2-1/2	16-1/4	9-1/2	12-1/4	6-1/4	3-3/4	2-3/4	17.000

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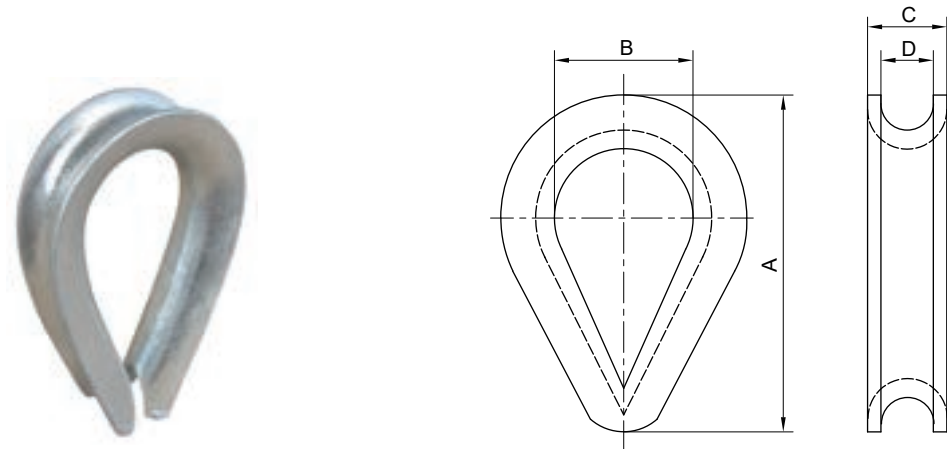
Tubular Thimble Pipe Thimbles



Stock No.	No.	Dimensions(mm)				Weight (kg)	For wire max. (mm)
		A	B	C	D		
HS2050601	G712	90	20	23	4	0.25	10
HS2050602	G715	110	25	27	5	0.43	12
HS2050603	G717	115	25	27	4	0.5	14
HS2050604	G719	120	29	32	5	0.65	16
HS2050605	G722	138	32	35	5	1	18
HS2050606	G725	180	38	45	6.3	1.4	22
HS2050607	G728	180	42	45	7	1.75	24
HS2050608	G730	198	44	47	7	2.1	26
HS2050609	G735	220	49	60	7	2.7	32
HS2050610	G740	235	54	65	7	3.35	36
HS2050611	G745	255	59	70	7	4	38
HS2050612	G750	275	64	75	7	4.8	44
HS2050613	G755	300	69	85	7	5.6	48
HS2050614	G760	310	75	88	7	5.8	52

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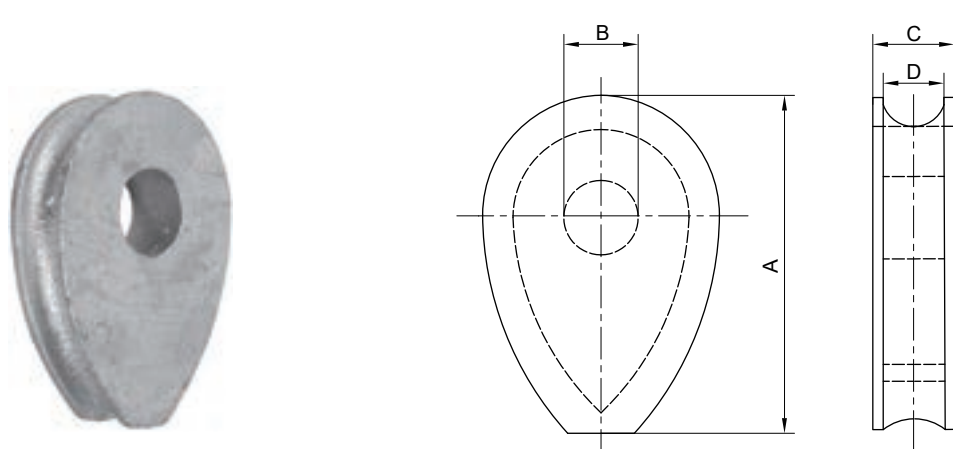
DIN3090 Wire Rope Thimble



Stock No.	Size (mm)	Dimensions(mm)				Weight (kg)
		A	B	C	D	
HS2050701	8	56	14	15	9	0.14
HS2050702	10	70	18	17.5	11	0.26
HS2050703	12	84	21	20	13	0.44
HS2050704	14	98	25	23.5	16	0.65
HS2050705	16	110	28	26	18	0.91
HS2050706	18	130	31	28.5	20	1.29
HS2050707	20	140	35	31	22	1.67
HS2050708	22	150	38	33.5	24	2.11
HS2050709	24	170	41	36	26	2.60
HS2050710	26	180	44	39.5	29	3.62
HS2050711	28	200	47	42	31	4.37
HS2050712	32	220	53	47	35	6.05
HS2050713	36	250	59	53	40	8.61
HS2050714	40	280	65	58	44	11.8
HS2050715	44	310	70	63	48	16

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DIN3091 Heavy Malleable Wire Rope Thimble



Stock No.	Size (mm)	Dimensions(mm)				Weight (kg)
		A	B	C	D	
HS2050801	8	66	40	15	9	0.181
HS2050802	10	82	50	17.5	11	0.318
HS2050803	12	98	60	20	13	0.515
HS2050804	14	114	70	23.5	16	0.799
HS2050805	16	130	80	26	18	0.896
HS2050806	18	145	90	28.5	20	1.211
HS2050807	20	161	100	31	22	1.61
HS2050808	22	177	110	33.5	24	2.11
HS2050809	24	193	120	36	26	2.71
HS2050810	26	209	130	39.5	29	3.55
HS2050811	28	224	140	42	31	4.2
HS2050812	32	256	160	47	35	6.3
HS2050813	36	288	180	53	40	8.84
HS2050814	40	320	200	58	44	11
HS2050815	44	352	220	63	48	16
HS2050816	48	384	240	69	53	20

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Aluminium Ferrules EN13411-3(DIN3093)



Stock No.	Size	Dimensions(mm)				L'(mm) GB 6946-93	Weight kg/1000pcs
		A	B	S	L		
HS2060101	1	1.2	2.4	0.65	5	-	0.098
HS2060102	1.5	1.7	3.4	0.75	6	-	0.176
HS2060103	2	2.2	4.4	0.85	7	-	0.285
HS2060104	2.5	2.7	5.4	1.05	9	-	0.439
HS2060105	3	3.3	6.6	1.25	11	-	0.907
HS2060106	3.5	3.8	7.6	1.5	13	-	1.18
HS2060107	4	4.4	8.8	1.7	14	-	1.63
HS2060108	4.5	4.9	9.8	1.9	16	-	2.39
HS2060109	5	5.5	11.0	2.1	18	-	3.62
HS2060110	6	6.6	13.2	2.5	21	25	5.87
HS2060111	6.5	7.2	14.4	2.7	23	-	7.18
HS2060112	7	7.8	15.6	2.9	25	30	9.83
HS2060113	8	8.8	17.6	3.3	28	34	12.96
HS2060114	9	9.9	19.8	3.7	32	38	18.94
HS2060115	10	10.9	21.8	4.1	35	42	24.09
HS2060116	11	12.1	24.2	4.5	39	47	35.35
HS2060117	12	13.2	26.4	4.9	42	50	44.18
HS2060118	13	14.2	28.4	5.4	46	55	59.86
HS2060119	14	15.3	30.6	5.8	49	59	73.5
HS2060120	16	17.5	35.0	6.7	56	67	111
HS2060121	18	19.6	39.2	7.6	63	76	156
HS2060122	20	21.7	43.4	8.4	70	84	217
HS2060123	22	24.3	48.6	9.2	77	92	292
HS2060124	24	26.4	52.8	10.0	84	101	376
HS2060125	26	28.5	57.0	10.9	91	109	481
HS2060126	28	31.0	62.0	11.7	98	118	603
HS2060127	30	33.1	66.2	12.5	105	126	739
HS2060128	32	35.2	70.4	13.4	112	134	897
HS2060129	34	37.8	75.6	14.2	119	143	1077
HS2060130	36	39.8	79.6	15.0	126	152	1275
HS2060131	38	41.9	83.8	15.8	133	160	1503
HS2060132	40	44.0	88.0	16.6	140	168	1734
HS2060133	42	46.2	92.4	17.5	147	-	2024
HS2060134	44	48.4	96.8	18.3	154	184	2314
HS2060135	46	50.6	101.2	19.2	161	-	2662
HS2060136	48	52.8	105.6	20.0	168	200	3010
HS2060137	50	55.0	110.0	20.8	175	-	3412
HS2060138	52	57.2	114.4	21.6	182	216	3813
HS2060139	54	59.4	118.8	22.5	189	-	4293
HS2060140	56	61.6	123.2	23.3	196	232	4772
HS2060141	58	63.8	127.6	24.2	203	-	5326
HS2060142	60	66.0	132.0	25.0	210	248	5880

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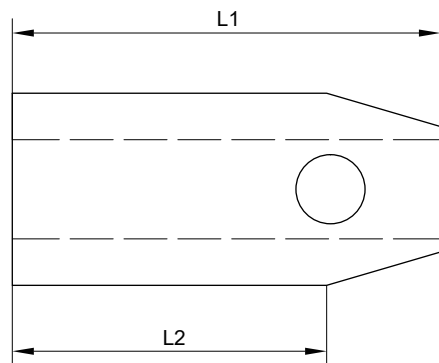
Aluminium Hourglass Sleeves



Stock No.	Size		A		B		C		D		L		Weight kg/1000pcs
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
HS2060201	3/64	1.19	1/16	1.59	1/8	3.18	9/64	3.6	13/64	5.2	3/8	9.5	0.276
HS2060202	1/16	1.58	5/64	1.98	5/32	3.97	11/64	4.4	1/4	6.4	3/8	9.5	0.433
HS2060203	5/64	1.98	3/32	2.38	3/16	4.76	13/64	5.2	5/16	7.9	3/8	9.5	0.645
HS2060204	3/32	2.38	1/8	3.18	1/4	6.35	9/32	7.1	13/32	10.3	1/2	12.7	1.45
HS2060205	1/8	3.18	5/32	3.97	5/16	7.94	11/32	8.7	1/2	12.7	5/8	16	2.70
HS2060206	5/32	3.97	3/16	4.76	3/8	9.53	3/8	9.53	9/16	14.3	11/16	17	3.67
HS2060207	3/16	4.76	7/32	5.56	7/16	11.11	7/16	11.11	21/32	16.7	1	25	7.18
HS2060208	7/32	5.56	1/4	6.35	1/2	12.70	1/2	12.7	3/4	19	1-1/16	26	10.00
HS2060209	1/4	6.35	9/32	7.14	9/16	14.29	17/32	13.5	13/16	20.6	1-1/8	28	11.76
HS2060210	9/32	7.14	5/16	7.94	5/8	15.88	9/16	14.3	7/8	22.2	1-3/16	30	13.62
HS2060211	5/16	7.94	3/8	9.53	23/32	19.05	11/16	17.5	1-1/32	26.2	1-1/4	32	20.94
HS2060212	3/8	9.53	7/16	11.11	27/32	22.23	3/4	19.1	1-5/32	29.4	1-7/16	36	28.18
HS2060213	7/16	11.11	1/2	12.7	1	25.40	15/16	23.8	1-7/16	36.5	1-11/16	42	52.00
HS2060214	1/2	12.7	9/16	14.29	1-1/8	28.58	1-1/16	27	1-5/8	41.3	2	50	80.15
HS2060215	9/16	14.29	5/8	15.88	1-1/4	31.75	1-1/8	28.6	1-3/4	44.5	2-1/8	54	99.88
HS2060216	5/8	15.88	11/16	17.46	1-3/8	34.93	1-1/4	31.8	1-15/16	49.2	2-1/2	64	139.78

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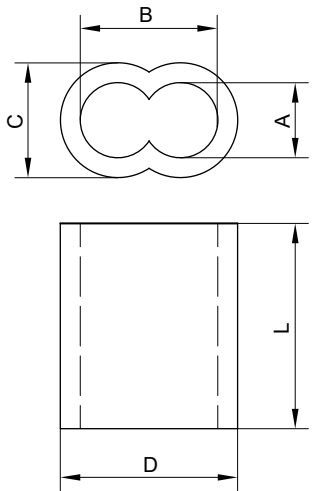
Aluminium Ferrules Form C



Stock No.	Size (mm)	L1 (mm)	L2 (mm)
HS2060301	8	43	34
HS2060302	9	48	38.5
HS2060303	10	53	42
HS2060304	11	59	46.7
HS2060305	12	65	50.2
HS2060306	13	70	54.7
HS2060307	14	75	58.2
HS2060308	16	85	66.5
HS2060309	18	96	75
HS2060310	20	106	83
HS2060311	22	116	91
HS2060312	24	126	99.5
HS2060313	26	136	107.2
HS2060314	28	147	115.5
HS2060315	30	158	125
HS2060316	32	170	135
HS2060317	36	190	150
HS2060318	38	200	158
HS2060319	44	235	186
HS2060320	52	276	218

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Aluminium Ferrules JIS Type



Stock No.	Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	L (mm)
HS2060401	6	7	13.8	3.2	3.8	24
HS2060402	8	9.4	18.6	4	4.7	32
HS2060403	9	10.22	20.7	4.3	5.52	36
HS2060404	10	11.60	23	4.5	5.5	40
HS2060405	12	13.62	27.6	5.3	6.92	48
HS2060406	14	15.89	32.2	5.53	7.42	56
HS2060407	16	18.16	36.8	6.32	8.48	64
HS2060408	18	20.43	41.4	7.11	9.54	72
HS2060409	20	23.1	46	7.7	9.2	80
HS2060410	22	25.4	50.6	8.3	10	88
HS2060411	24	27.8	55.3	8.9	10.9	96
HS2060412	26	29.9	59.8	10.7	12.9	104
HS2060413	28	32.2	64.4	11.3	13.6	112
HS2060414	30	34.5	69	11.8	14.3	120
HS2060415	32	36.8	73.6	12.5	15.2	128

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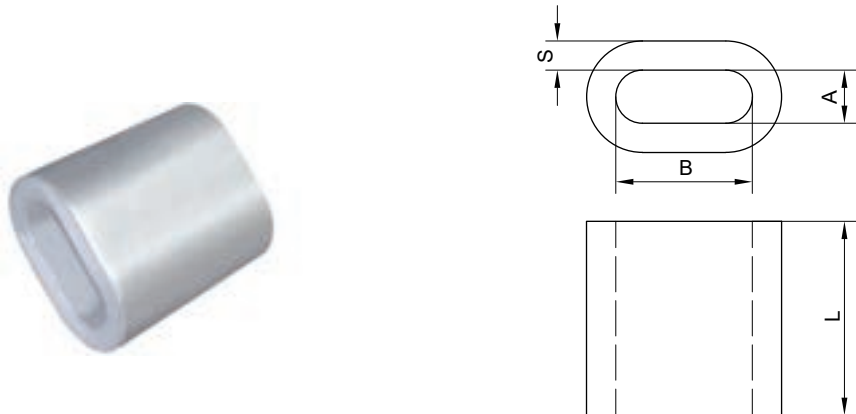
Aluminium Stop Buttons



Stock No.	Size (in)	A (mm)	D (mm)	L (mm)	Weight kg/1000pcs
HS2060501	3/64	1.54	4.40	4.16	0.236
HS2060502	1/16	1.92	6.35	4.16	0.278
HS2060503	5/64	2.38	6.35	4.16	0.282
HS2060504	3/32	2.90	8.72	7.95	1.05
HS2060505	1/8	3.86	8.72	7.95	0.949
HS2060506	5/32	4.70	11.11	8.73	1.76
HS2060507	3/16	5.54	11.11	8.73	1.69
HS2060508	7/32	6.35	11.11	8.73	1.50
HS2060509	1/4	7.20	17.46	17.46	9.07
HS2060510	5/16	9.53	17.46	17.46	7.46
HS2060511	3/8	11.13	17.46	17.46	6.58
HS2060512	1/2	14.28	26.98	26.98	30.32
HS2060513	9/16	15.88	28.60	31.75	38.52
HS2060514	5/8	17.46	31.75	31.75	47.88

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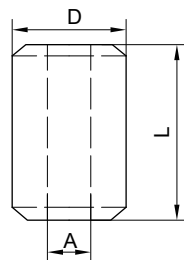
Aluminium Oval Sleeves



Stock No.	Size (in)	Dimensions(in)					Weight 100pcs/lbs
		A	B	C	D	L	
HS2060601	1/4	19/64	19/32	17/32	27/32	1	2.3
HS2060602	5/16	3/8	3/4	21/32	1 1/32	1 17/84	4.3
HS2060603	3/8	7/16	27/32	3/4	1 5/32	1 3/8	5.3
HS2060604	7/16	1/2	1	29/32	1 13/32	1 23/32	11
HS2060605	1/2	19/32	1 11/64	1 1/32	1 5/8	1 15/16	16.5
HS2060606	9/16	23/32	1 3/8	1 7/32	1 57/64	2 7/32	22
HS2060607	5/8	3/4	1 1/2	1 3/8	2 3/32	2 1/2	32
HS2060608	3/4	53/64	1 11/16	1 1/2	2 3/8	2 7/8	52
HS2060609	7/8	61/64	1 7/8	1 11/16	2 5/8	3	67
HS2060610	1	1 3/32	2 7/32	1 31/32	3 3/32	3 3/4	125
HS2060611	1 1/8	1 9/32	2 9/16	2 5/16	3 19/32	4 9/32	172
HS2060612	1 1/4	1 13/32	2 25/32	2 1/2	3 7/8	4 7/16	214
HS2060613	1 1/2	1 21/32	2 19/34	3 1/8	4 3/4	5 35/64	390

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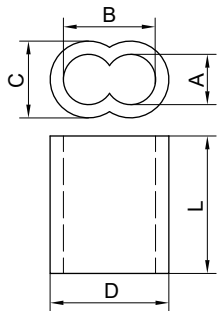
Copper Button Stops



Stock No.	Size (in)	Dimensions(in)			Weight kg/1000pcs
		A	D	L	
HS2060701	3/64	1/16	11/64	7/32	0.67
HS2060702	1/16	5/64	13/64	7/32	0.96
HS2060703	5/64	3/32	13/64	7/32	0.86
HS2060704	3/32	7/64	21/64	21/64	3.9
HS2060705	1/8	5/32	21/64	21/64	3.3
HS2060706	5/32	3/16	27/64	21/64	6.5
HS2060707	3/16	7/32	27/64	21/64	6.2
HS2060708	7/32	1/4	27/64	5/8	6.0
HS2060709	1/4	9/32	21/32	11/16	32
HS2060710	5/16	3/8	21/32	11/16	29

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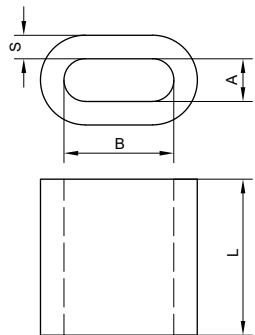
Copper Hourglass Sleeves



Stock No.	Size (in)	Dimensions(in)					Weight kg/1000pcs
		A	B	C	D	L	
HS2060801	3/64	1/16	1/8	9/64	13/64	3/8	1.0
HS2060802	1/16	3/32	11/64	11/64	1/4	25/64	1.4
HS2060803	5/64	13/128	13/64	29/128	21/64	27/64	2.49
HS2060804	3/32	7/64	1/4	15/64	3/8	29/64	4.0
HS2060805	1/8	5/32	21/64	21/64	1/2	9/16	8.0
HS2060806	5/32	3/16	27/64	3/8	19/32	5/8	12.3
HS2060807	3/16	7/32	7/16	7/16	43/64	7/8	25
HS2060808	7/32	1/4	33/64	15/32	23/32	7/8	32
HS2060809	1/4	9/32	19/32	13/16	1/2	1-1/8	36
HS2060810	5/16	3/8	23/32	21/32	1-1/64	1-1/8	64
HS2060811	3/8	7/16	13/16	23/32	1-1/8	1-1/2	89
HS2060812	1/2	19/32	17/64	31/32	1-15/32	1-7/8	270

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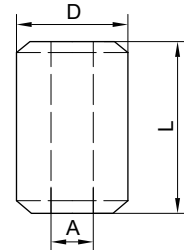
Copper Ferrules



Stock No.	Size (mm)	Dimensions(mm)				Weight kg/1000pcs
		A	B	S	L	
HS2060901	1	1.3	2.6	0.85	5	0.32
HS2060902	1.5	1.8	3.6	1.05	6	0.72
HS2060903	2	2.4	4.8	0.85	7	0.82
HS2060904	2.5	2.7	5.4	1.10	9	1.70
HS2060905	3	3.3	6.6	1.35	11	2.90
HS2060906	3.5	3.9	7.8	1.60	13	4.50
HS2060907	4	4.3	8.8	1.70	14	6.20
HS2060908	4.5	5.1	10.2	1.90	16	8.90
HS2060909	5	5.6	11.2	2.10	18	12.20
HS2060910	6	6.7	13.4	2.50	21	20.00
HS2060911	6.5	6.9	14.0	2.70	23	27.00
HS2060912	7	7.5	15.0	3.00	25	32.00
HS2060913	8	8.5	17.0	3.50	28	47.00
HS2060914	9	9.9	19.8	3.70	32	68.00
HS2060915	10	10.9	21.8	4.10	35	90.00
HS2060916	11	11.6	23.2	4.20	39	122.00
HS2060917	12	13.2	26.4	4.90	42	158.00
HS2060918	13	14.2	28.4	5.40	46	198.00
HS2060919	14	15.3	30.6	5.80	49	243.00
HS2060920	16	17.5	35.0	6.70	56	366.00
HS2060921	18	19.0	38.0	7.80	63	529.00

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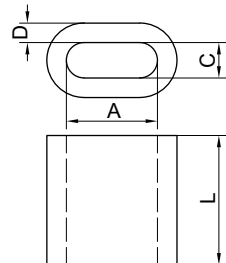
Steel Stop Buttons SG-409



Stock No.	Size(in)	Dimensions(in)			Max. afterswage Dimensions(in)	Weight 100pcs/lbs
		A	D	L		
HS2061001	1/8	0.14	0.44	0.50	0.40	2
HS2061002	3/16	0.20	0.56	0.70	0.52	4
HS2061003	1/4	0.30	0.63	1.06	0.58	8
HS2061004	5/16	0.36	0.88	1.13	0.77	16
HS2061005	3/8	0.42	0.88	1.48	0.77	15
HS2061006	7/16	0.48	1.13	1.63	1.03	30
HS2061007	1/2	0.55	1.31	1.89	1.16	50
HS2061008	9/16	0.61	1.44	2.02	1.29	70
HS2061009	5/8	0.67	1.56	2.42	1.42	100
HS2061010	3/4	0.79	1.69	2.73	1.55	131
HS2061011	7/8	0.94	2.00	3.27	1.80	220
HS2061012	1	1.06	2.25	3.67	2.05	310
HS2061013	1-1/8	1.19	2.56	4.05	2.30	450
HS2061014	1-1/4	1.33	2.81	4.58	2.56	650

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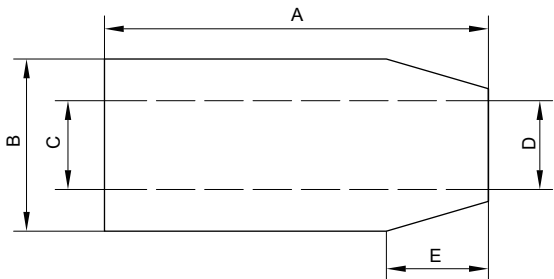
Steel Oval Sleeves G-506



Stock No.	Size(in)	Dimensions(in)				Max. afterswage Dimensions(in)	Weight 100pcs/lbs
		L	B	C	D		
HS2061101	5/16	1.25	1.08	0.81	0.19	0.77	17
HS2061102	3/8	1.25	1.12	0.81	0.14	0.77	13
HS2061103	7/16	1.63	1.41	1.02	0.19	1.03	31
HS2061104	1/2	1.63	1.44	1.02	0.16	1.03	27
HS2061105	9/16	2.25	1.72	1.23	0.23	1.29	63
HS2061106	5/8	2.25	1.84	1.28	0.20	1.29	54
HS2061107	3/4	2.63	2.16	1.52	0.23	1.55	90
HS2061108	7/8	2.88	2.50	1.75	0.27	1.80	126
HS2061109	1	3.06	2.84	2.00	0.33	2.05	187
HS2061110	1-1/4	4.06	3.50	2.50	0.38	2.56	384

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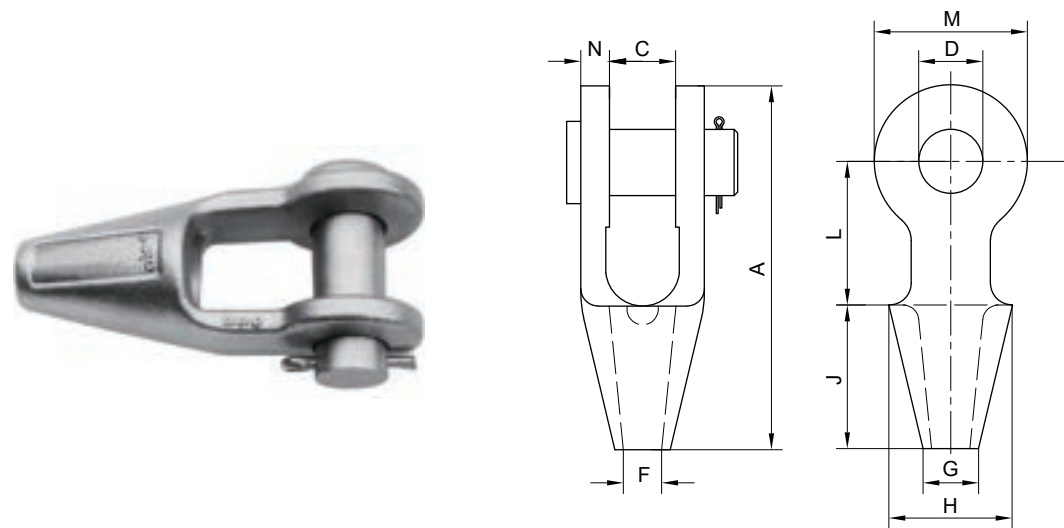
Flemish Eye Steel Swaging Sleeves S-505



Stock No.	Size (in)	Dimensions(in)					Max. afterswage Dimensions(in)	Weight 100pcs/lbs
		A	B	D	E	C		
HS2061201	1/4	1	0.66	0.31	0.28	0.47	0.57	2.27
HS2061202	5/16	1.5	0.91	0.38	0.44	0.62	0.75	6.36
HS2061203	3/8	1.5	0.91	0.47	0.39	0.66	0.75	6.36
HS2061204	7/16	2	1.22	0.53	0.65	0.85	1.01	15
HS2061205	1/2	2	1.22	0.63	0.56	0.91	1.01	13
HS2061206	9/16	2.75	1.47	0.7	0.63	1.03	1.24	29
HS2061207	5/8	2.75	1.47	0.75	0.63	1.09	1.24	26
HS2061208	3/4	3.19	1.72	0.91	0.84	1.28	1.46	40
HS2061209	7/8	3.56	2.03	1.03	1	1.53	1.68	60
HS2061210	1	4	2.28	1.16	1.13	1.72	1.93	89
HS2061211	1-1/8	4.8	2.5	1.28	1.25	1.94	2.13	118
HS2061212	1-1/4	5.19	2.78	1.44	1.41	2.16	2.32	161
HS2061213	1-3/8	5.81	3	1.56	1.56	2.38	2.52	192
HS2061214	1-1/2	6.25	3.25	1.69	1.69	2.63	2.71	227
HS2061215	1-3/4	7.25	3.84	1.94	1.97	3.13	3.1	366
HS2061216	2	8.5	4.38	2.25	2.25	3.63	3.56	514
HS2061217	2-1/4	9.56	5.03	2.5	2.53	4.03	4.12	879
HS2061218	2-1/2	10.5	5.5	2.75	2.81	4.50	4.5	1068
HS2061219	2-3/4	11.5	5.75	3	3.09	4.75	4.7	1271
HS2061220	3	12	6	3.25	3.38	5	4.96	1335
HS2061221	3-1/4	13	6.5	3.86	3.54	5.43	5.37	1650
HS2061222	3-1/2	14	7	3.88	3.94	5.84	5.77	2106
HS2061223	3-3/4	15	7.5	4.06	4.25	6.31	6.23	2497
HS2061224	4	16	8.13	4.38	4.50	6.81	6.69	3087
HS2061225	4-1/2	18	9.13	4.88	5.06	7.66	7.45	4540
HS2061226	5	20	10.52	5.5	5.63	8.73	8.28	6600
HS2061227	6	24	12.5	6.5	6.8	10	9.93	12300

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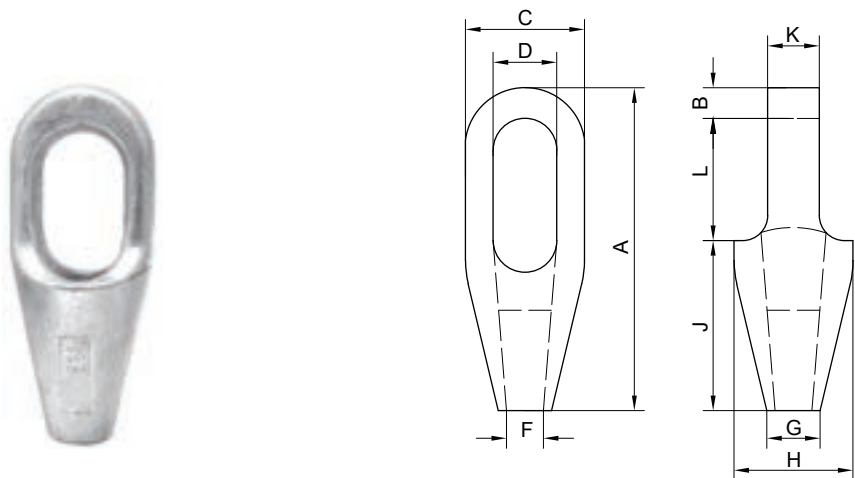
Grooved Open Spelter Sockets G-416



Stock No.	Size (in)	Dimensions(in)										Weight (lbs)
		A	C	D	F	G	H	J	L	M	N	
HS2061301	1/4	4.56	0.75	0.69	0.38	0.69	1.56	2.25	1.56	1.31	0.31	1.10
HS2061302	5/16-3/8	4.84	0.81	0.81	0.50	0.81	1.69	2.25	1.75	1.50	0.44	1.30
HS2061303	7/16-1/2	5.56	1.00	1.00	0.56	0.94	1.88	2.50	2.00	1.88	0.50	2.25
HS2061304	9/16-5/8	6.75	1.25	1.19	0.69	1.13	2.25	3.00	2.50	2.25	0.56	3.60
HS2061305	3/4	7.94	1.50	1.38	0.81	1.25	2.62	3.50	3.00	2.62	0.62	5.80
HS2061306	7/8	9.25	1.75	1.63	0.94	1.50	3.25	4.00	3.50	3.13	0.80	9.65
HS2061307	1	10.56	2.00	2.00	1.13	1.75	3.75	4.50	4.00	3.75	0.88	15.50
HS2061308	1 1/8	11.81	2.25	2.25	1.25	2.00	4.12	5.00	4.62	4.12	1.00	21.50
HS2061309	1 1/4-1 3/8	13.19	2.50	2.50	1.50	2.25	4.75	5.50	5.00	4.75	1.13	31.00
HS2061310	1 1/2	15.12	3.00	2.75	1.63	2.75	5.25	6.00	6.00	5.38	1.19	47.25
HS2061311	1 5/8	16.25	3.00	3.00	1.75	3.00	5.50	6.50	6.50	5.75	1.31	55.00
HS2061312	1 3/4-1 7/8	18.25	3.50	3.50	2.00	3.13	6.38	7.50	7.00	6.50	1.56	82.00
HS2061313	2-2 1/8	21.50	4.00	3.75	2.25	3.75	7.38	8.50	9.00	7.00	1.81	129.00
HS2061314	2 1/4-2 3/8	23.50	4.50	4.25	2.50	4.00	8.25	9.00	10.00	7.75	2.13	167.00
HS2061315	2 1/2-2 5/8	25.50	5.00	4.75	2.88	4.50	9.25	9.75	10.75	8.50	2.38	252.00
HS2061316	2 3/4-2 7/8	27.25	5.25	5.00	3.12	4.88	10.50	11.00	11.00	9.00	2.88	315.00
HS2061317	3-3 1/8	29.00	5.75	5.25	3.38	5.25	11.12	12.00	11.25	9.50	3.00	380.00
HS2061318	3 1/4-3 3/8	30.88	6.25	5.50	3.62	5.75	11.88	13.00	11.75	10.00	3.12	434.00
HS2061319	3 1/2-3 5/8	33.25	6.75	6.00	3.88	6.50	12.38	14.00	12.50	10.75	3.25	563.00
HS2061320	3 3/4-4	36.25	7.50	7.00	4.25	7.25	13.62	15.00	13.50	12.50	3.50	783.00

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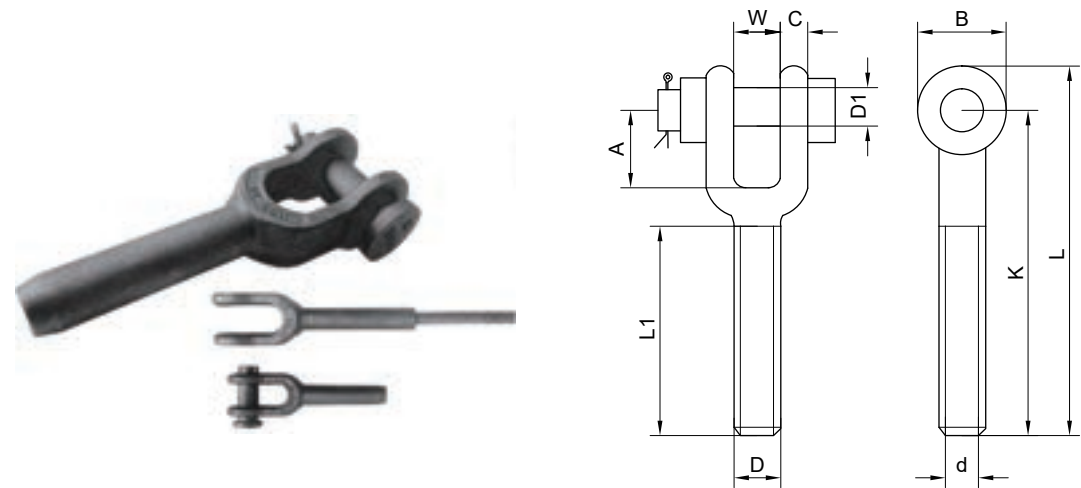
Grooved Closed Spelter Sockets G-417



Stock No.	Size (in)	Dimensions(in)										Weight (lbs/pcs)
		A	B	C	D	F	G	H	J	K	L	
HS2061401	1/4	4.5	0.5	1.5	0.88	0.38	0.69	1.56	2.25	0.5	1.75	0.5
HS2061402	5/16-3/8	4.88	0.62	1.69	0.97	0.5	0.81	1.69	2.25	0.69	2	0.75
HS2061403	7/16-1/2	5.44	0.69	2	1.16	0.56	0.94	1.88	2.5	0.88	2.25	1.5
HS2061404	9/16-5/8	6.31	0.81	2.63	1.41	0.69	1.12	2.38	3.00	1	2.5	2.5
HS2061405	3/4	7.56	1.06	3	1.66	0.81	1.25	2.75	3.56	1.25	3	4.25
HS2061406	7/8	8.75	1.25	3.63	1.88	0.94	1.5	3.25	4	1.5	3.5	7.25
HS2061407	1	9.88	1.38	4.13	2.3	1.13	1.75	3.75	4.44	1.75	4	10.5
HS2061408	1 1/8	11	1.5	4.5	2.56	1.25	2	4.13	5	2	4.5	14.25
HS2061409	1 1/4-1 3/8	12.12	1.63	5.3	2.81	1.5	2.25	4.75	5.5	2.25	5	19.75
HS2061410	1 1/2	13.94	1.94	5.33	3.19	1.63	2.75	5.25	6	2.5	6	29.2
HS2061411	1 5/8	15.13	2.13	5.75	3.25	1.75	3	5.5	6.5	2.75	6.5	36
HS2061412	1 3/4-1 7/8	17.25	2.19	6.75	3.75	2	3.13	6.38	7.5	3	7.56	57.25
HS2061413	2-2 1/8	19.5	2.44	7.63	4.38	2.25	3.75	7.38	8.5	3.25	8.56	79
HS2061414	2 1/4-2 3/8	21.31	2.63	8.5	5	2.5	4	8.25	9.00	3.63	9.5	105
HS2061415	2 1/2-2 5/8	23.5	3.12	9.5	5.5	2.88	4.5	9.25	9.75	4	10.62	140
HS2061416	2 3/4-2 7/8	25.38	3.12	10.75	6.25	3.12	4.88	10.19	11	4.88	11.25	220
HS2061417	3-3 1/8	27	3.25	11.5	6.75	3.38	5.25	11.5	12	5.25	11.75	276
HS2061418	3 1/4-3 3/8	29.25	4	12.25	7.25	3.62	5.75	12.25	13	5.75	12.25	313
HS2061419	3 1/2-3 5/8	31	4	13	7.75	3.88	6.5	13	14	6.25	13	400
HS2061420	3 3/4-4	33.25	4.25	14.25	8.5	4.25	7.25	14.25	15	7	14	542

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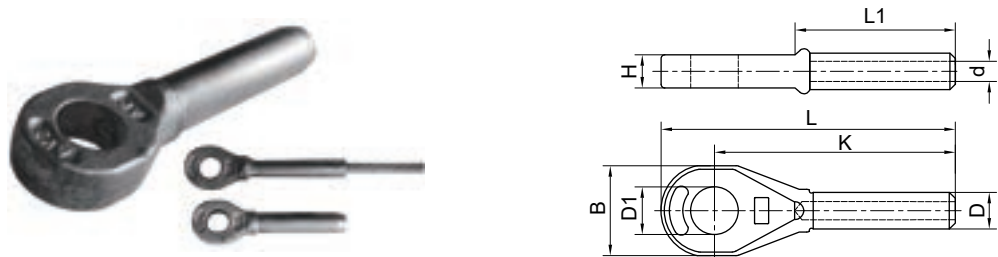
Forged Open Swage Sockets G-501



Stock No.	Size (in)	Dimensions(in)										Weight (lbs)
		L	D	B	D1	d	L1	H	K	C	A	
HS2061501	1/4	4.80	0.50	1.38	0.69	0.27	2.17	0.67	4.02	0.35	1.50	0.5
HS2061502	1/3	6.26	0.77	1.65	0.81	0.34	3.15	0.79	5.31	0.47	1.77	1.1
HS2061503	3/8	6.26	0.77	1.65	0.81	0.41	3.15	0.79	5.31	0.47	1.77	1.3
HS2061504	4/9	7.83	0.98	2.00	1.00	0.48	4.33	1.00	6.85	0.55	1.96	2.1
HS2061505	5 1/2	7.83	0.98	2.00	1.00	0.55	4.33	1.00	6.85	0.55	1.96	2.1
HS2061506	4/7	9.45	1.25	2.36	1.19	0.61	5.31	1.22	8.27	0.68	2.25	4.7
HS2061507	5/8	9.45	1.25	2.36	1.19	0.67	5.31	1.22	8.27	0.68	2.25	4.5
HS2061508	3/4	11.61	1.55	2.75	1.38	0.80	6.34	1.50	10.07	0.79	2.75	8.00
HS2061509	7/8	13.39	1.70	3.15	1.63	0.94	7.44	1.77	11.81	0.94	3.23	11.5
HS2061510	1	15.55	1.98	3.94	2.00	1.06	8.50	2.00	13.58	1.02	3.86	17.8
HS2061511	1-1/8	17.40	2.25	4.06	2.20	1.19	9.37	2.25	15.08	1.19	4.26	25.3
HS2061512	1-1/4	19.06	2.53	4.45	2.25	1.33	10.59	2.48	16.50	1.34	4.72	35.6
HS2061513	1-3/8	21.02	2.80	5.00	2.50	1.45	11.69	2.52	18.23	1.38	5.20	43.8
HS2061514	1-1/2	22.88	3.08	5.51	2.52	1.58	12.40	3.00	19.75	1.69	5.57	58.5
HS2061515	1-3/4	26.53	3.39	6.70	3.50	1.86	14.88	3.50	23.00	2.11	6.75	88.8
HS2061516	2	31.44	3.94	8.00	3.75	2.11	16.96	4.00	26.88	2.37	8.00	146.3

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Forged Closed Swage Sockets



Stock No.	Size (mm)	Dimensions(mm)								Max After Swage Dim.(mm)	Weight (kg)
		L	D	B	D1	d	L1	H	K		
HS2061601	6-7	110	13	35	19	7	54	13	89	12	0.20
HS2061602	8	140	20	41	22	9	80	17	114	18	0.30
HS2061603	9-10	140	20	41	22	11	80	17	114	18	0.30
HS2061604	11	176	25	51	27	12	108	22	146	23	0.70
HS2061605	12-13	176	25	51	27	14	108	22	146	23	0.70
HS2061606	14-15	221	32	61	32	16	135	29	185	30	1.40
HS2061607	16	221	32	61	32	17	135	29	185	30	1.30
HS2061608	18-20	259	39	73	36	21	162	33	217	36	2.20
HS2061609	22-23	304	43	79	43	24	189	38	258	39	3.10
HS2061610	24-25	342	50	92	52	27	216	45	293	46	4.80
HS2061611	28	382	57	102	59	30	243	51	323	52	6.70
HS2061612	32	431	64	114	65	34	270	57	364	58	9.80
HS2061613	35-36	475	71	127	65	37	297	57	402	65	12.90
HS2061614	38	511	78	140	71	40	323	64	432	71	16.90

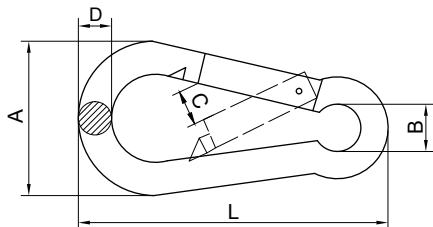
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Wedge Socket

Stock No.	Wire Rope Dia		Dimensions(in)							
	in	mm	A	B	C	D	P	T	U	V
HS2061701	3/8	9-10	5.63	2.77	0.81	0.81	1.56	0.44	1.25	1.38
HS2061702	1/2	11-13	6.81	3.55	1	1	1.94	0.53	1.75	1.88
HS2061703	5/8	14-16	8.16	4.36	1.25	1.19	2.25	0.69	2	2.19
HS2061704	3/4	18-19	9.78	4.81	1.5	1.38	2.62	0.78	2.34	2.56
HS2061705	7/8	20-22	11.16	4.65	1.75	1.63	3.12	0.88	2.69	2.94
HS2061706	1	24-26	12.75	5.08	2	2	3.75	1.03	2.88	3.28
HS2061707	1 1/8	28	14.38	5.51	2.25	2.25	4.25	1.19	3.13	3.56
HS2061708	1 1/4	30-32	16	7.94	2.5	2.5	4.75	1.31	3.38	3.81

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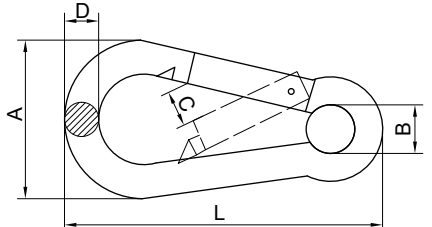
DIN5299C Snap Hook



Stock No.	Size (mm)	SWL (lbs)	Dimensions(mm)					Net Weight kg/100pcs
			A	B	C	D	L	
HS2070101	4x40	100	20	6	6	4	40	0.8
HS2070102	5x50	160	25	8	7	5	50	1.6
HS2070103	6x60	260	30	9	8	6	60	2.5
HS2070104	7x70	335	35	10	10	7	70	4.3
HS2070105	8x80	400	40	12	11	8	80	6.1
HS2070106	9x90	500	45	15	12	9	90	8.8
HS2070107	10x100	650	50	17	12	10	100	12.5
HS2070108	11x120	700	57	18	19	11	120	18
HS2070109	12x140	800	67	20	20	12	140	25
HS2070110	13x160	1300	74	22	26	13	160	35.7
HS2070111	14x180	1600	86	22	29	14	180	45.5
HS2070112	15x200	1800	90	26	39	15	200	55.6

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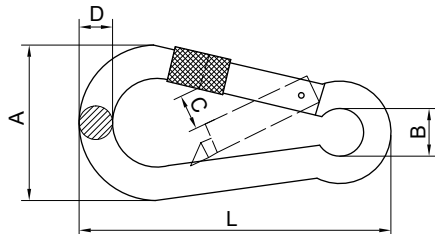
Snap Hook with Eyelet



Stock No.	Size (mm)	SWL (lbs)	Dimensions(mm)					Net Weight kg/100pcs
			A	B	C	D	L	
HS2070301	4x40	100	20	5	6	4	40	0.85
HS2070302	5x50	160	25	5	7	5	50	1.8
HS2070303	6x60	260	30	5	8	6	60	2.6
HS2070304	7x70	335	35	7	10	7	70	5.0
HS2070305	8x80	400	40	10	11	8	80	6.2
HS2070306	9x90	500	45	10	12	9	90	9.8
HS2070307	10x100	650	50	13	12	10	100	13.4
HS2070308	11x120	700	57	13	19	11	120	19.1
HS2070309	12x140	800	67	15	20	12	140	27.5
HS2070310	13x160	1300	74	17	26	13	160	35.8

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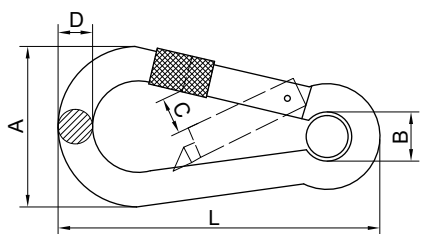
Snap Hook with Screw



Stock No.	Size (mm)	SWL (lbs)	Dimensions(mm)					Net Weight kg/100pcs
			A	B	C	D	L	
HS2070201	5x50	150	25	8	6	5	50	2.0
HS2070202	6x60	250	30	9	7	6	60	3.0
HS2070203	7x70	320	35	10	7.5	7	70	4.4
HS2070204	8x80	400	40	10	8.5	8	80	6.8
HS2070205	9x90	500	45	12	9	9	90	9.6
HS2070206	10x100	650	50	15	10	10	100	12.8
HS2070207	11x120	700	57	17	16	11	120	29.1
HS2070208	12x140	800	67	20	18	12	140	25.5
HS2070209	13x160	1200	74	22	23	13	160	36.6
HS2070210	14x180	1400	86	22	29	14	180	51.0

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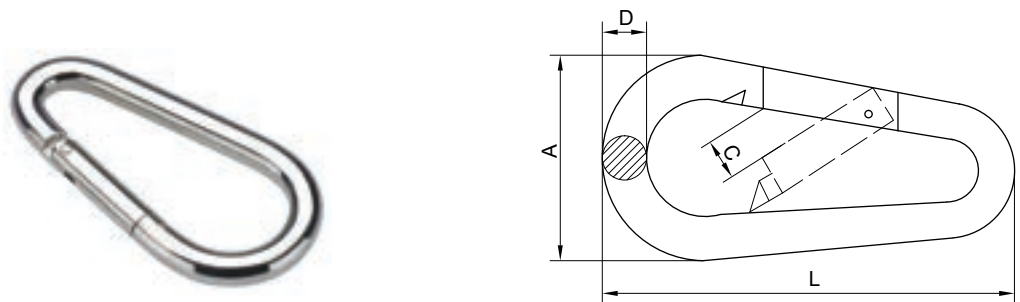
Snap Hook with Eyelet & Screw



Stock No.	Size (mm)	SWL (lbs)	Dimensions(mm)					Net Weight kg/100pcs
			A	B	C	D	L	
HS2070401	5x50	150	25	5	6	5	50	2.1
HS2070402	6x60	250	30	5	7	6	60	3.1
HS2070403	7x70	320	35	7	7.5	7	70	5.04
HS2070404	8x80	400	40	10	8.5	8	80	6.9
HS2070405	9x90	500	45	10	9	9	90	10.6
HS2070406	10x100	650	50	13	10	10	100	13.7
HS2070407	11x120	700	57	13	16	11	120	20.2
HS2070408	12x140	800	67	15	18	12	140	27.2
HS2070409	13x160	1200	74	17	23	13	160	41.4

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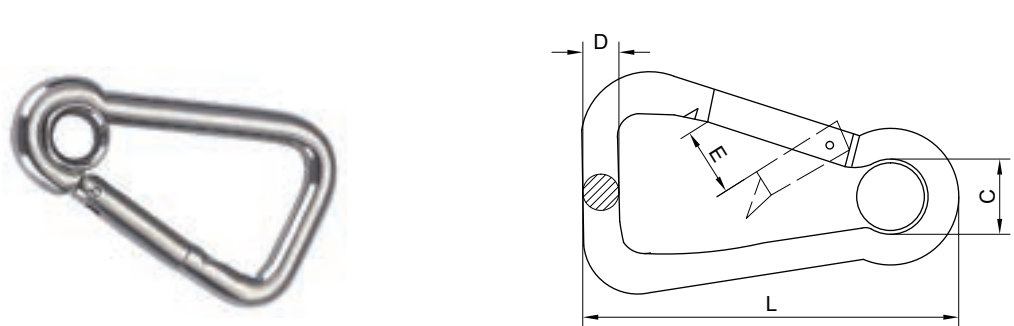
Egg-Shaped Hook



Stock No.	Size (mm)	SWL (lbs)	Dimensions(mm)				Net Weight kg/100pcs
			A	C	D	L	
HS2070501	5x50	160	25	7	5	50	1.7
HS2070502	6x60	260	30	8	6	60	2.5
HS2070503	7x70	335	35	10	7	70	4.4
HS2070504	8x80	400	40	11	8	80	6.6
HS2070505	9x90	500	45	12	9	90	9.3
HS2070506	10x100	650	50	15	10	100	13
HS2070507	11x120	700	57	17	11	120	18.5
HS2070508	12x140	800	67	21	12	140	25

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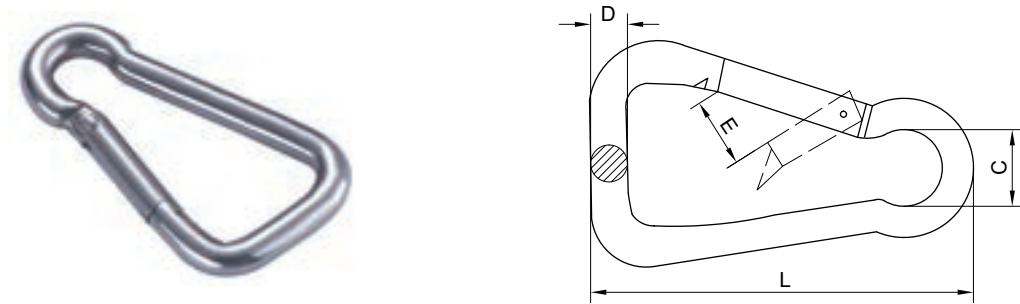
Oblique Angle Snap Hook with Eyelet



Stock No.	Size (mm)	SWL (lbs)	Dimensions(mm)				Net Weight kg/100pcs
			C	L	D	E	
HS2070701	6x60	260	6	60	6	10	3.0
HS2070702	8x80	400	8	80	8	13	7.0
HS2070703	10x100	650	10	100	10	18	14.0
HS2070704	11x120	700	14	120	12	24	21.4

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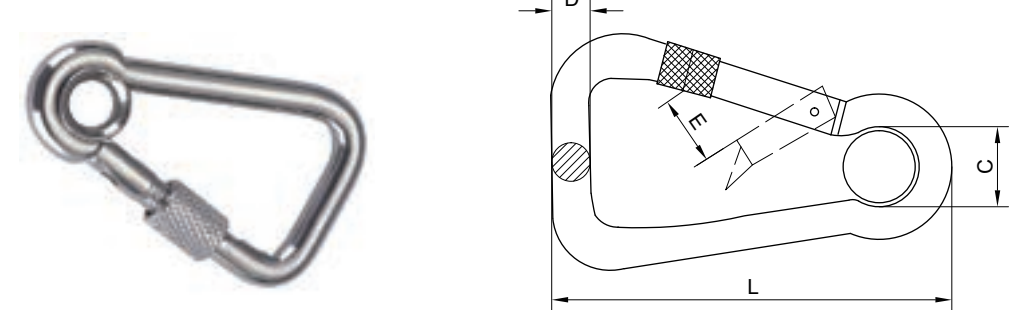
Oblique Angle Snap Hook



Stock No.	Size (mm)	SWL (lbs)	Dimensions(mm)				Net Weight kg/100pcs
			C	L	D	E	
HS2070601	6x60	260	8	60	6	10	2.8
HS2070602	8x80	400	10	80	8	13	6.8
HS2070603	10x100	650	12	100	10	18	13.6
HS2070604	11x120	700	15	120	12	24	19.4

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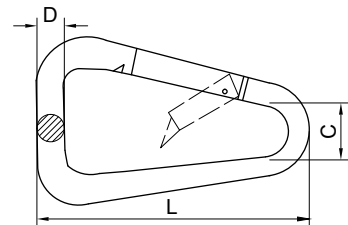
Oblique Angle Snap Hook with Eyelet & Screw



Stock No.	Size (mm)	SWL (lbs)	Dimensions(mm)				Net Weight kg/100pcs
			C	L	D	E	
HS2070801	6x60	250	6	60	6	9	3.25
HS2070802	8x80	400	8	80	8	12	7.2
HS2070803	10x100	650	10	100	10	16	14.5
HS2070804	11x120	700	14	120	11	22	21.7

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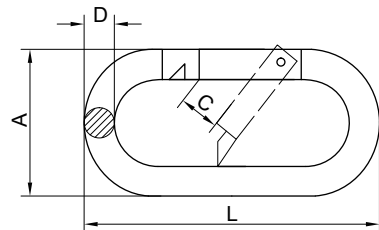
Triangle Snap Hook



Stock No.	Size (mm)	SWL (lbs)	Dimensions(mm)			Net Weight kg/100pcs
			C	D	L	
HS2070901	5x50	160	7	5	50	1.6
HS2070902	6x60	260	7	6	60	1.8

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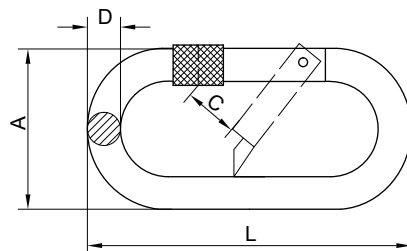
Straight Snap Hook



Stock No.	Size (mm)	SWL (lbs)	Dimensions(mm)				Net Weight kg/100pcs
			A	C	D	L	
HS2071001	5x50	160	25	9	5	50	1.75
HS2071002	6x60	260	30	11	6	60	2.55
HS2071003	8x80	400	40	13	8	80	5.7
HS2071004	10x100	650	50	16	10	100	13.6
HS2071005	11x120	700	58	21	11	120	18.5

Images for illustrative purposes only.

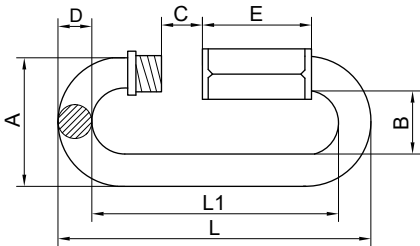
Straight Snap Hook with Screw



Stock No.	Size (mm)	SWL (lbs)	Dimensions(mm)				Net Weight kg/100pcs
			A	C	D	L	
HS2071101	6x760	250	40	11	6	70	2.8

Images for illustrative purposes only.

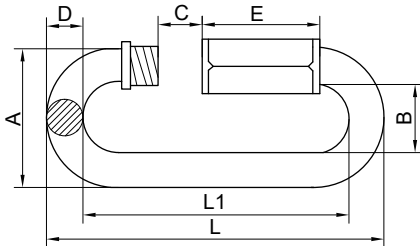
Common Quick Link



Stock No.	Size (mm)	SWL (mm)	Dimensions(mm)							Net Weight kg/100pcs
			A	B	C	D	L	L1	E	
HS2080101	3.5	220	17	10	5	3.5	36	29	11	0.8
HS2080102	4	400	19.5	10	5	4	39.5	31.5	12.5	1.2
HS2080103	5	660	23	13	8	5	48.5	35.5	16	2.1
HS2080104	6	880	26.5	14.5	8	6	57	45	19	4.3
HS2080105	7	1240	30	16	10	7	66	52	21.5	4.9
HS2080106	8	1600	33.5	17	11	8	74	58	24	7.5
HS2080107	9	2200	37	19	11	9	80	62	26	10.5
HS2080108	10	2640	40.5	20	14	10	89	69	29	13.5
HS2080109	12	3300	47.5	23.5	14	12	104.5	80.5	33	21.8
HS2080110	14	6100	54.5	23.5	16	14	121	93	38.5	36.9
HS2080111	16	8000	61.5	29	20	16	140	118	45	54.7

Images for illustrative purposes only.

High Strength Quick Link

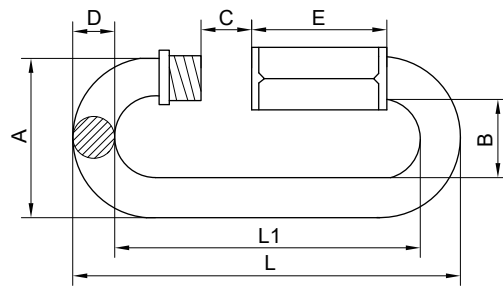


Stock No.	Size (mm)	SWL (lbs)	Dimensions(mm)							Net Weight kg/100pcs
			A	B	C	D	L	L1	E	
HS2080201	3.5	220	17	10	5	3.5	36	29	11	0.8
HS2080202	4	400	19.5	10	5	4	39.5	31.5	12.5	1.2
HS2080203	5	660	23	13	8	5	48.5	35.5	16	2.1
HS2080204	6	880	26.5	14.5	8	6	57	45	19	4.3
HS2080205	7	1240	30	16	10	7	66	52	21.5	4.9
HS2080206	8	1600	33.5	17	11	8	74	58	24	7.5
HS2080207	9	2200	37	19	11	9	80	62	26	10.5
HS2080208	10	2640	40.5	20	14	10	89	69	29	13.5
HS2080209	12	3300	47.5	23.5	14	12	104.5	80.5	33	21.8
HS2080210	14	6100	54.5	23.5	16	14	121	93	38.5	36.9
HS2080211	16	8000	61.5	29	20	16	140	108	45	54.7

Safety Factor 4:1

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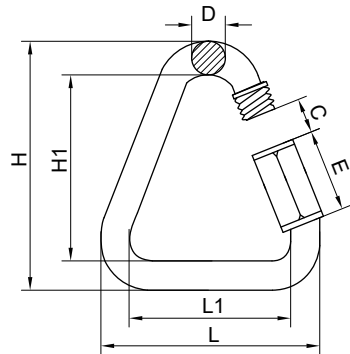
Wide Jaw Quick Link



Stock No.	Size (mm)	SWL (lbs)	Dimensions(mm)							Net Weight kg/100pcs
			A	B	C	D	L	L1	E	
HS2080301	3.5	180	17	10	5	3.5	46	39.5	16	0.7
HS2080302	4	350	19.5	11.5	5.5	4	53	45	19	1.5
HS2080303	5	550	23	13	6.5	5	62	52	22	2
HS2080304	6	770	26.5	14.5	7.5	6	70.5	58.5	25	3.75
HS2080305	7	880	30	16	8.5	7	79	65	28	6
HS2080306	8	1430	33.5	17.5	10.5	8	88	72	31.5	9
HS2080307	10	1760	40.5	20.5	12	10	105.5	85.5	36	13.55
HS2080308	12	2755	47.5	23.5	15	12	124	100	43	25

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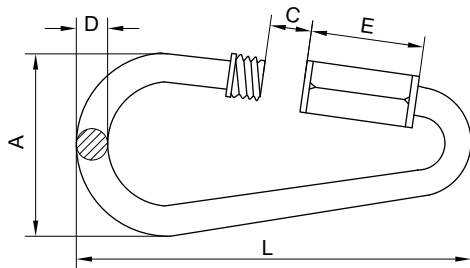
Delta Shaped Quick Link



Stock No.	Size (mm)	SWL (lbs)	Dimensions(mm)							Net Weight kg/100pcs
			H	H1	C	D	L	L1	E	
HS2080501	3.5	200	36	29	5	3.5	31.5	24	11	0.92
HS2080502	4	250	40	32	5.5	4	35.5	27.5	12.5	1.35
HS2080503	5	330	48	38	6.5	5	40	30	16	2.3
HS2080504	6	550	56	44	7.5	6	47	35	19	4.02
HS2080505	8	1210	73	57	10.5	8	56	40	24	8.97
HS2080506	10	1320	87	67	12	10	66	46	29	15.52
HS2080507	12	2425	104	80	15	12	75	51	33	28.75

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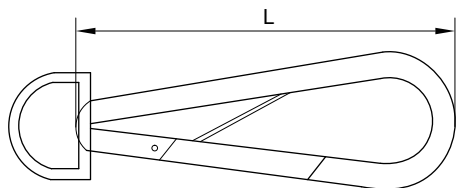
Pear Shaped Quick Link



Stock No.	Size (mm)	SWL (lbs)	Dimensions(mm)					Net Weight kg/100pcs
			A	C	D	L	E	
HS2080401	6	550	42.8	14	6	80	25	5.2
HS2080402	8	1210	50.8	17	8	100	31.5	15.0
HS2080403	10	1320	63.5	20.5	10	117	36	20.0
HS2080404	12	2425	76	23	12	140	43	32.0

Images for illustrative purposes only.

Simplex Hook Nickle Plated

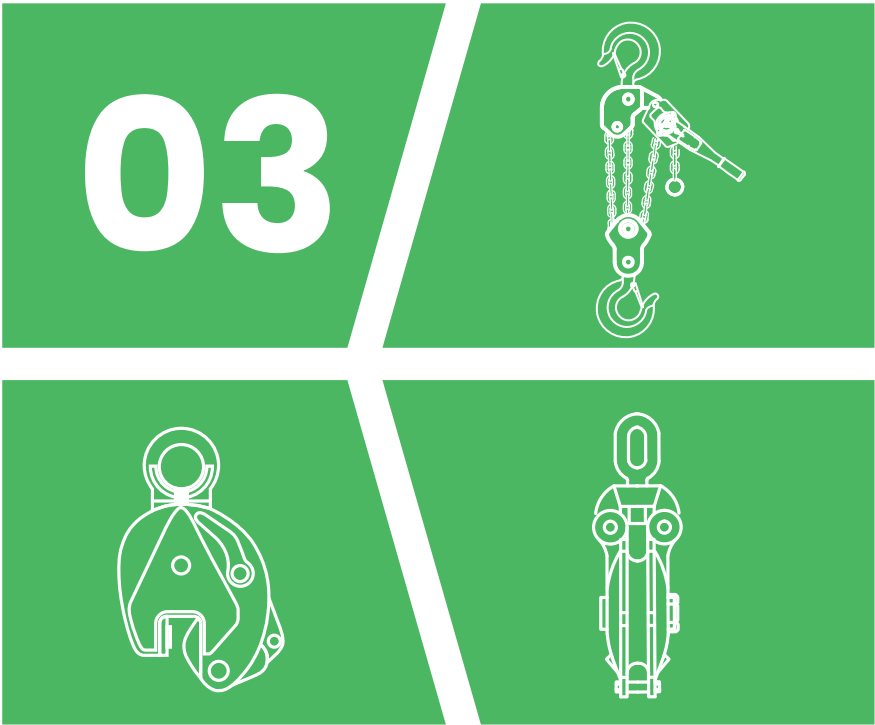


Stock No.	Size (mm)	Net Weight kg/100pcs
HS2080601	40	1.5
HS2080602	50	2.1
HS2080603	60	3.6
HS2080604	70	5.0
HS2080605	80	6.0

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LIFTING EQUIPMENT

- Clamp
- Chain Block/Lever Block
- Pulley
- Magnetic Lifting Clamp



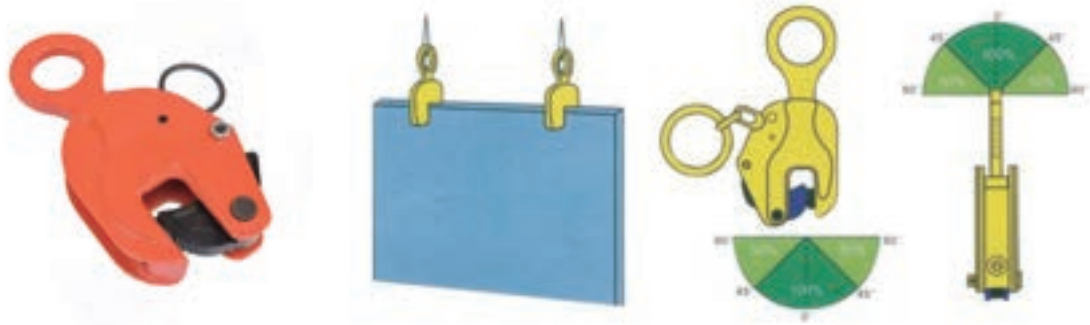
CD-Vertical Plate Clamp



Stock No.	Model	WLL (t)	Jaw Opening (mm)	Weight (kg)
HS3010101	CD0.8	0.8	0-15	2
HS3010102	CD1	1.0	0-15	4
HS3010103	CD1(B)	1.0	0-20	5
HS3010104	CD1.6	1.6	0-20	7
HS3010105	CD2	2.0	0-25	8
HS3010106	CD3.2	3.2	0-25	15
HS3010107	CD3.2(B)	3.2	0-30	15
HS3010108	CD5	5.0	0-30	21
HS3010109	CD5(B)	5.0	0-50	23
HS3010110	CD8	8.0	0-45	37
HS3010111	CD12	12.0	0-70	50
HS3010112	CD16	16.0	60-100	65
HS3010113	CD30	30.0	80-220	120

Images for illustrative purposes only.

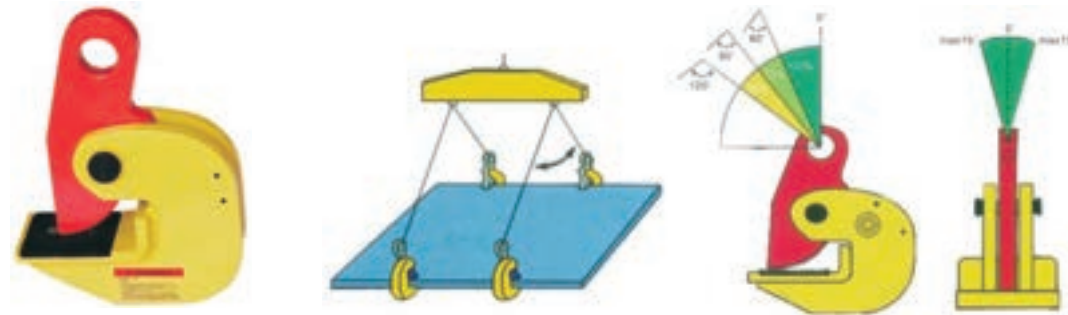
CDH-Vertical Plate Clamp



Stock No.	Model	WLL (t)	Jaw Opening (mm)	Weight (kg)
HS3010201	CDK0.8	0.8	15-30	2
HS3010202	CDK1.6	1.6	20-40	7
HS3010203	CDK3.2	3.2	25-50	15
HS3010204	CDK4.5	4.5	25-50	15
HS3010205	CDK5	5.0	36-60	23

Images for illustrative purposes only.

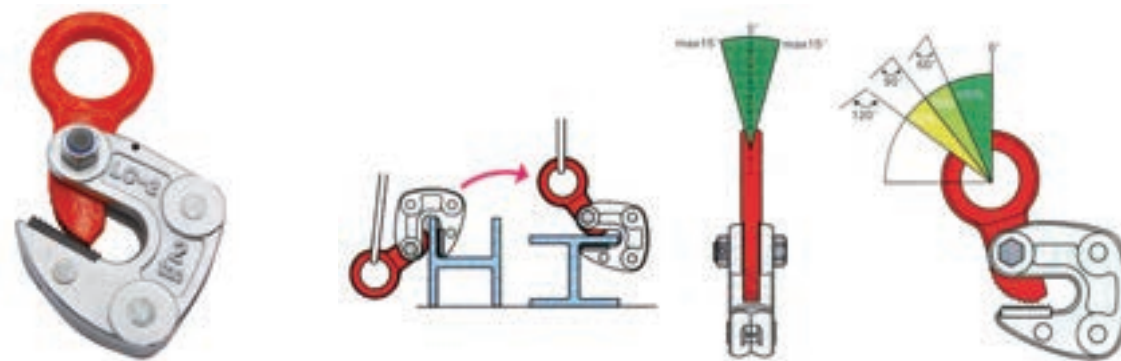
PPD- Horizontal Plate Clamp



Stock No.	Model	WLL (t)	Jaw Opening (mm)	Weight (kg)
HS3010301	PPD0.8	0.8	0-25	2.5
HS3010302	PPD1	1.0	0-30	3.5
HS3010303	PPD1.6	1.6	0-30	4
HS3010304	PPD2	2.0	0-40	5
HS3010305	PPD3.2	3.2	0-45	6
HS3010306	PPD4	4.0	0-50	6.5
HS3010307	PPD5	5.0	0-55	7.5
HS3010308	PPD6	6.0	0-65	10.5
HS3010309	PPD6	6.0	0-130	22
HS3010310	PPD8	8.0	0-130	22
HS3010311	PPD10	10.0	0-140	33
HS3010312	PPD16	16.0	50-150	50
HS3010313	PPD30	30.0	100-270	108

Images for illustrative purposes only.

LC Horizontal Plate Clamp



Stock No.	Model	WLL (t)	Jaw Opening (mm)	Weight (kg)
HS3010401	LC1	1.0	0-13	2
HS3010402	LC2	2.0	0-22	4.5
HS3010403	LC3	3.0	3-35	8.9

Images for illustrative purposes only.

TPH Pipe Plate Clamp



Stock No.	Model	WLL (t)	Jaw Opening (mm)	Weight (kg)
HS3010501	TPH1.5	1.5	40	1.5
HS3010502	TPH3	3.0	40	2
HS3010503	TPH4	4.0	50	2.8
HS3010504	TPH6	6.0	50	3.2
HS3010505	TPH8	8.0	70	5
HS3010506	TPH12	12.0	70	13
HS3010507	TPH16	16.0	70	15.8
HS3010508	TPH18	18.0	70	22

Images for illustrative purposes only.

SL Drum Clamp



Stock No.	Model	WLL (t)	Jaw Opening (mm)	Weight (kg)
HS3010601	SL1	1.0	0-25	3.6

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YQC Drum Clamp



Stock No.	Model	WLL (t)	Jaw Opening (mm)	Weight (kg)
HS3010701	YQC0.6	0.6	0-30	5

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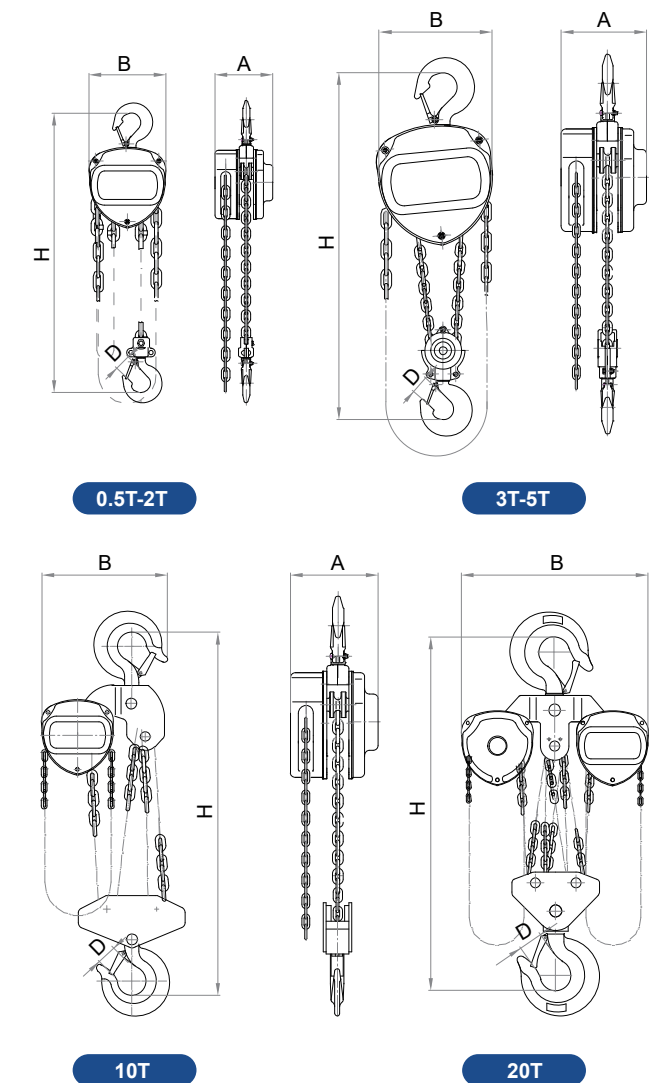
YS/YC Beam Clamp



Stock No.	Model	WLL (t)	Jaw Opening (mm)	Weight (kg)
HS3010801	YS/YC 1	1.0	75-220	3.8/4.2
HS3010802	YS/YC 2	2.0	75-220	4.6/4.8
HS3010803	YS/YC 3	3.0	80-320	9.0/9.2
HS3010804	YS/YC 5	5.0	80-320	11.0/11.2
HS3010805	YS/YC 10	10.0	90-320	16.0/16.2

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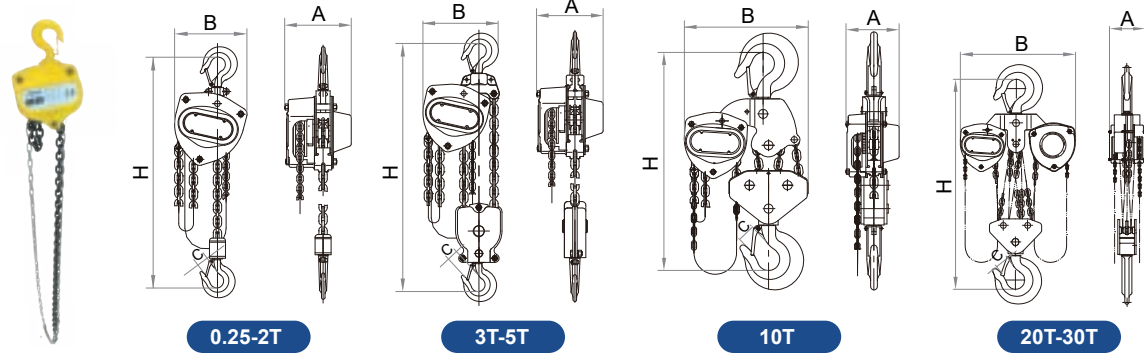
HSCK Series Chain Block



Stock No.	Capacity (T)	Standard Lift(m)	Running Test(T)	Effort Required to Lift Max Load (N)	No. of falls of Load Chain	Load Chain Diameter (mm)	Dimensions(mm)				Net Weight (kg)
							A	B	H	D	
HS3020101	0.5	2.5	0.75	200	1	6	113	125	255	28	9
HS3020102	1	2.5	1.5	304	1	6	136	147	306	32	11.5
HS3020103	1.5	2.5	2.25	343	1	8	155	183	368	36	17.5
HS3020104	2	3	3	452	1	8	155	183	445	36	18
HS3020105	2	3	3	304	2	6	136	147	368	36	16
HS3020106	3	3	4.5	343	2	8	155	183	486	46	27
HS3020107	5	3	7.5	414	2	10	163	215	616	46	43
HS3020108	10	3	15	423	4	10	163	404	750	57	75
HS3020109	20	3	30	435*2	8	10	191	595	1000	81	185

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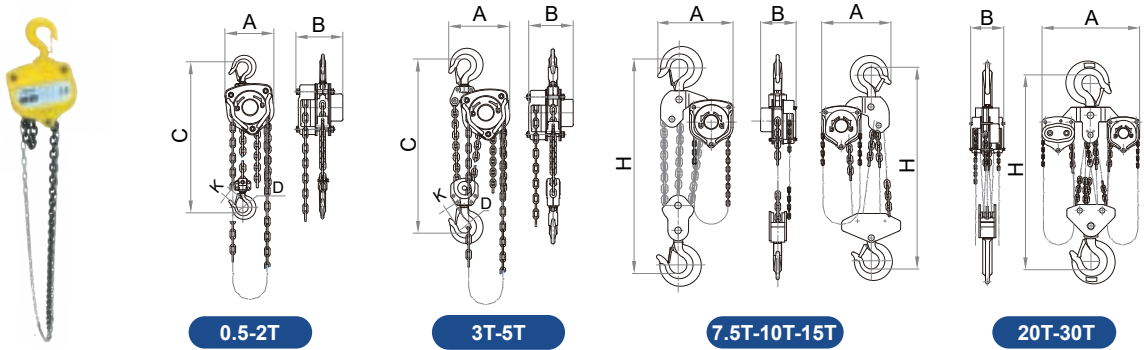
HSVD Series Chain Block



Stock No.	Capacity (T)	Standard Lift(m)	Running Test(T)	Effort Required to Lift Max Load (N)	No. of falls of Load Chain	Load Chain Diameter (mm)	Dimensions(mm)				Net Weight (kg)
							A	B	C	H	
HS3020201	0.5	2.5	0.75	240	1	5	132	148	28	345	11
HS3020202	1	2.5	1.5	250	1	6	151	172	32	376	12.5
HS3020203	1.5	2.5	2.25	265	1	7.1	173	196	36	442	17.8
HS3020204	2	3	3	335	1	8	175	210	36	470	19.5
HS3020205	3	3	4.5	363	1	10	176	230	46	565	29
HS3020206	5	3	7.5	360	2	9	189	280	46	688	41.3
HS3020207	10	3	15	380	4	9	189	463	57	765	78.5
HS3020208	20	3	30	435*2	8	9	209	625	110	890	193
HS3020209	30	3	45	435*2	12	9	312	691	110	1380	220
HS3020210	50	3	75	435*2	22	9	496	958	170	2578	1092

Images for illustrative purposes only.

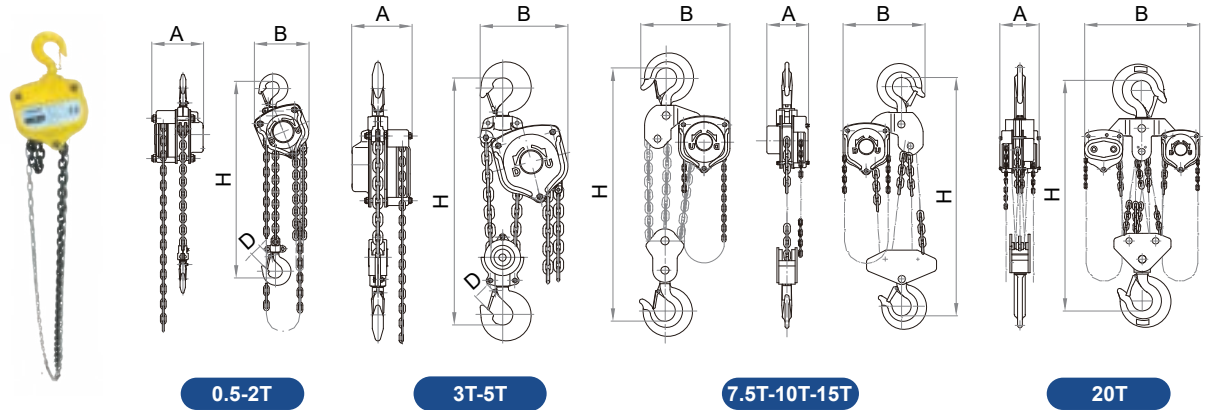
HSVS Series Chain Block



Stock No.	Capacity (T)	Standard Lift(m)	Running Test(T)	Effort Required to Lift Max Load (N)	No. of falls of Load Chain	Load Chain Diameter (mm)	Dimensions(mm)				Net Weight (kg)
							A	B	D	H	
HS3020301	0.5	2.5	0.75	300	1	6	137	137.5	35	270	8.4
HS3020302	1	2.5	1.5	330	1	6	162	146.5	35.5	317	11
HS3020303	1.5	2.5	2.25	360	1	8	183	170	45	399	16.2
HS3020304	2	3	3	365	1	8	194	170	42.5	414	18.5
HS3020305	3	3	4.5	385	2	8	220	170	50	465	25.6
HS3020306	5	3	7.5	435	2	10	288	191	64	618	42.8
HS3020307	10	3	15	435	4	10	384	195	85	798	79.5
HS3020308	20	3	30	435*2	8	10	625	209	110	890	193
HS3020309	30	3	45	435*2	12	10	691	312	110	1380	220
HS3020310	50	3	75	435*2	22	10	958	496	170	2578	1092

Images for illustrative purposes only.

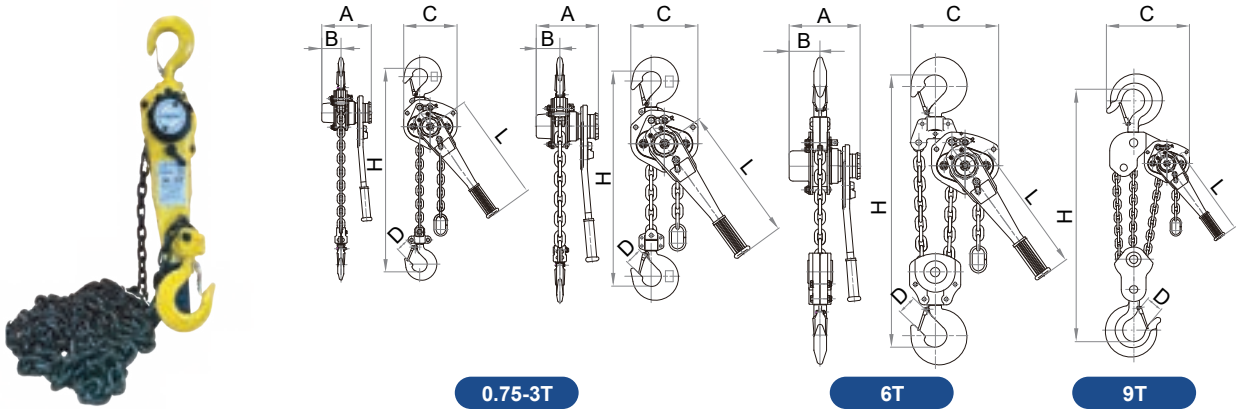
HSVC Series Chain Block



Stock No.	Capacity (T)	Standard Lift(m)	Running Test(T)	Effort Required to Lift Max Load (N)	No. of falls of Load Chain	Load Chain Diameter (mm)	Dimensions(mm)				Net Weight (kg)
							A	B	D	H	
HS3020401	0.5	2.5	0.5	350	1	5	126	145	28	285	8.4
HS3020402	1	2.5	1	330	1	6.3	151	159	32	315	12
HS3020403	1.5	2.5	1.5	348	1	7.1	151	178	36	340	16.2
HS3020404	2	3	2	365	1	8	183	205	36	380	20
HS3020405	3	3	3	360	2	7.1	151	208	46	475	24
HS3020406	5	3	5	410	2	9	183	264	46	600	41
HS3020407	10	3	10	410	4	9	188	398	57	720	79
HS3020408	15	3	15	435	6	9	190	580	75	870	120
HS3020409	20	3	20	435*2	8	9	192	630	82	890	193
HS3020410	30	3	30	435*2	12	9	330	670	106	1000	220
HS3020411	50	3	50	435*2	22	9	410	900	130	1950	1092

Images for illustrative purposes only.

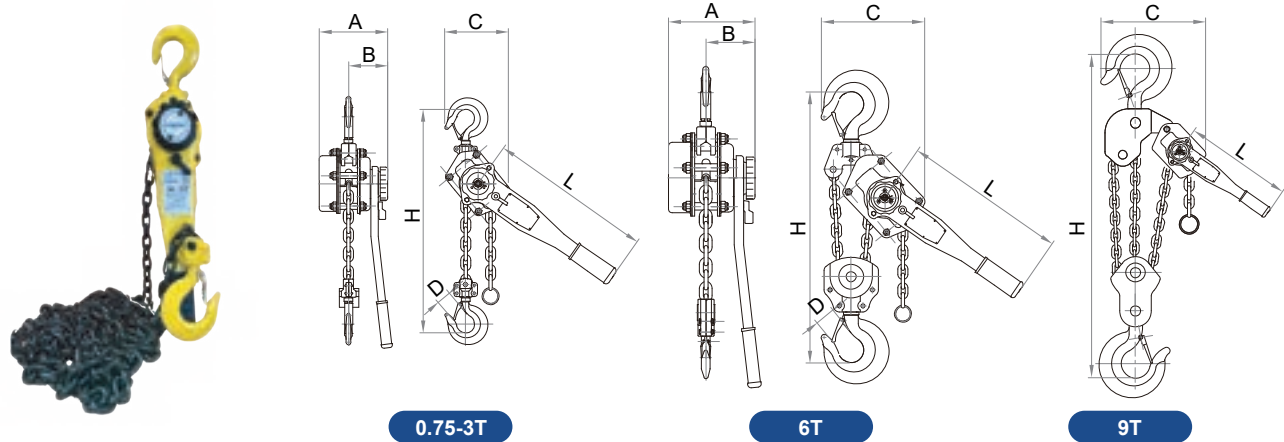
HSVL Series Lever Block



Stock No.	Capacity (T)	Standard Lift(m)	Running Test(T)	Effort Required to Lift Max Load (N)	No. of falls of Load Chain	Load Chain Diameter (mm)	Dimensions(mm)						Net Weight (kg)
							A	B	C	D	L	H	
HS3020501	0.75	1.5	1.125	230	1	6.3	150	55	128	32	254	303	6.6
HS3020502	1.5	1.5	2.25	295	1	7.1	165	64	149	36	366	365	11
HS3020503	3	1.5	4.5	414	1	9	195	85	182	46	366	485	17
HS3020504	6	1.5	9	430	2	9	195	85	240	46	366	600	27.5
HS3020505	9	1.5	13.5	430	3	9	195	85	335	57	366	700	47

Images for illustrative purposes only.

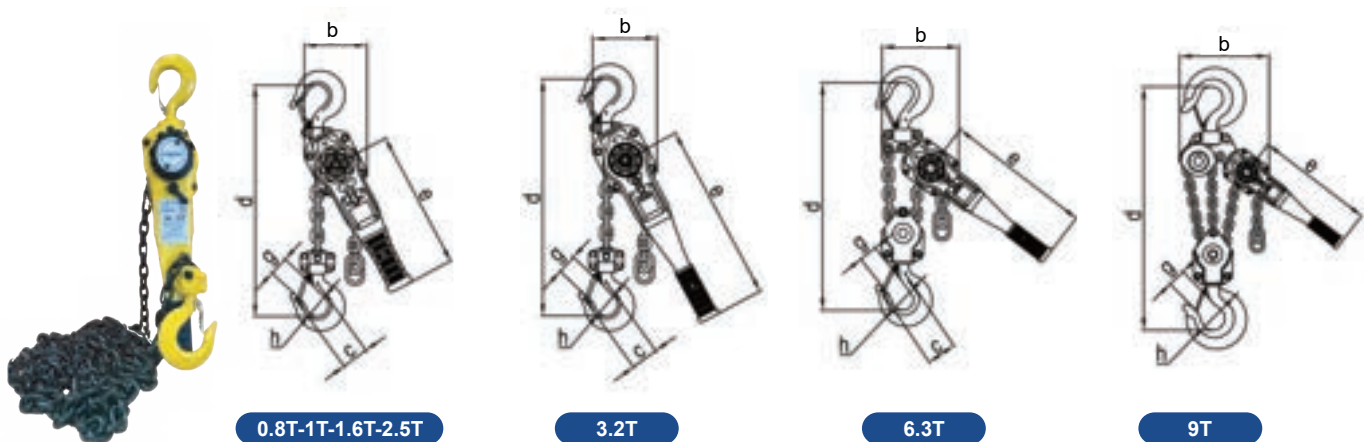
HSVP Series Lever Block



Stock No.	Capacity (T)	Standard Lift(m)	Running Test(T)	Effort Required to Lift Max Load (N)	No. of falls of Load Chain	Load Chain Diameter (mm)	Dimensions(mm)						Net Weight (kg)
							A	B	C	D	L	H	
HS3020601	0.75	1.5	1.125	140	1	6	148	88	135	32	290	320	7
HS3020602	1	1.5	1.5	140	1	6	148	88	135	32	290	320	7.5
HS3020603	1.5	1.5	2.25	240	1	8	176	102	155	36	415	380	11
HS3020604	2	1.5	3	240	1	8	176	102	155	36	415	380	11.5
HS3020605	3	1.5	4.5	320	1	10	195	109	211	46	415	480	19
HS3020606	6	1.5	9	340	2	10	195	109	254	46	415	600	32
HS3020607	9	1.5	13.5	360	3	10	195	109	319	57	415	700	47

Images for illustrative purposes only.

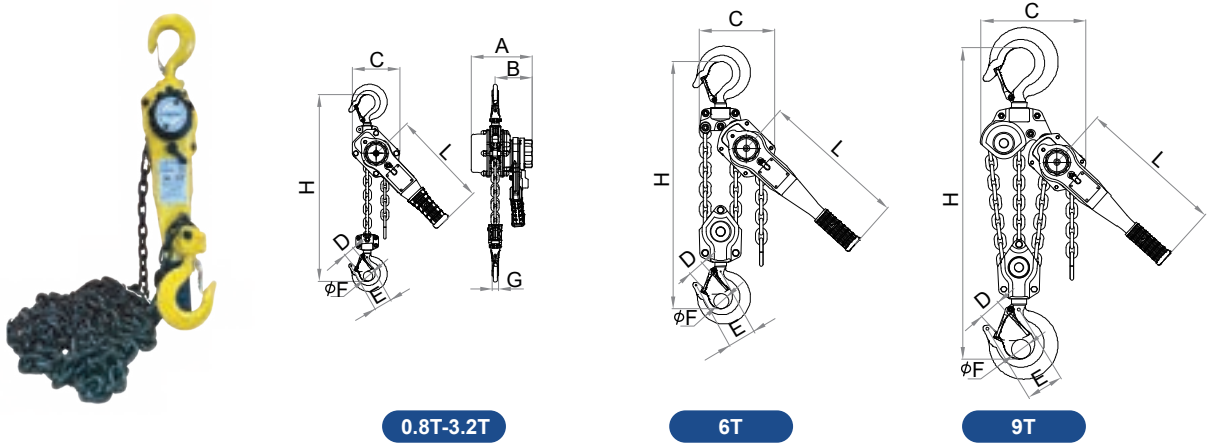
HSVG Series Lever Block



Stock No.	Capacity (T)	Standard Lift(m)	Running Test(T)	Effort Required to Lift Max Load (N)	No. of falls of Load Chain	Load Chain Diameter (mm)	Dimensions(mm)									Net Weight (kg)
							a	b	c	d	e	f	g	h	i	
HS3020801	0.8	1.5	1.2		1	5.6	146	119	41.5	280	245	96	26.5	35.5	14	5.7
HS3020802	1	1.5	1.5		1	5.6	146	119	49.4	300	245	96	31.5	42.5	15	5.9
HS3020803	1.6	1.5	2.4		1	7.1	164	126	52	335	265	100	35.5	42.5	19	8
HS3020804	2.5	1.5	3.75		1	8.8	179	150	58.6	375	265	103	41	47	21	11.2
HS3020805	3.2	1.5	4.8		1	10	196	159	61.9	395	415	114	43	50	24.5	13.6
HS3020806	6.3	1.5	9.45		2	10	196	218	84.3	540	415	114	53	60	34	26
HS3020807	9	1.5	13.5		3	10	196	298	-	680	415	114	64	85	40	40

Images for illustrative purposes only.

HSVGP Series Lever Block



Stock No.	Capacity (T)	Standard Lift(m)	Running Test(T)	Effort Required to Lift Max Load (N)	No. of falls of Load Chain	Load Chain Diameter (mm)	Dimensions(mm)								Net Weight (kg)
							A	B	C	D	E	F	H	L	
HS3020701	0.8	1.5	1.2	215	1	5.6×15.7	150	100	119	29	50	26	300	245	5.5
HS3020702	1	1.5	1.5	294	1	5.6×15.7	150	100	119	29	50	26	300	245	5.5
HS3020703	1.6	1.5	2.4	304	1	7.1×20	168	104	126	30	52	29	350	265	7.8
HS3020704	3.2	1.5	4.8	372	1	10×28	201	118	159	36.5	60	35	395	415	13.4
HS3020705	6.3	1.5	9.5	382	2	10×28	201	118	218	40	78	45	540	415	25.8
HS3020706	9	1.5	13.5	392	3	10×28	201	118	298	54	99	56	680	415	38.8

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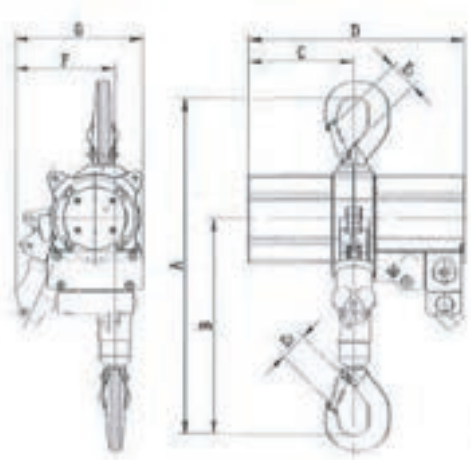
Explosion-proof pneumatic hoist series

Technical Parameters									
		025TI		05TI		1TI		2TI	
Lifting capacity	ton	0.16	0.25	0.32	0.5	0.63	0.1	1.25	2
Air pressure	bar	4	6	4	6	4	6	4	6
Number of chains		1		1		1		2	
Motor power rating	km	0.6	1.0	0.6	1.0	0.6	1.0	0.6	1.0
Motor power rating	M/min	20	20	10	11	5	5.5	2.5	2.7
No-load lifting speed	M/min	37.5	42	16	19	10	11	5	5.5
Full-load lowering speed	M/min	38	38	17	17	10	11	5	5.5
Gas consumption at full load	cubic meter/minute	0.7	1.2	0.7	1.2	0.7	1.2	0.7	1.2
Reduced gas consumption at full load	cubic meter/minute	0.8	1.5	0.8	1.5	0.8	1.5	0.8	1.5
Gas piping function		G1/2		G1/2		G1/2		G1/2	
Duct size (average internal difference)	mm	13		13		13		13	
Weight during lifting and maintenance interval	kg	27		27		27.5		34	
Chain size	mm	7x21		7x21		7x21		7x21	
Chain weight	kg/m	1.0		1.0		1.0		1.0	
Lifting height/standard	m	3		3		3		3	
Requested control of heat length	m	2		2		2		2	
Noise at full load - Lifting	db	73	74	74	75	74	76	74	76
Noise at full load - Lowering	db	77	78	77	78	77	78	77	78



Images for illustrative purposes only.

Technical Parameters				
Model	025TI	05TI	1TI	2TI
A - Minimum clearance diameter	450	450	450	498
C	288	288	288	336
D	145	145	145	145
E1	297	297	297	297
E2	28	28	28	28
F - Hook clearance height	28	28	28	28
G- Maximum protrusions	137	137	137	137
Equipped with a chain storage box - will increase the free height	176	176	176	183



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Explosion-proof pneumatic hoist series

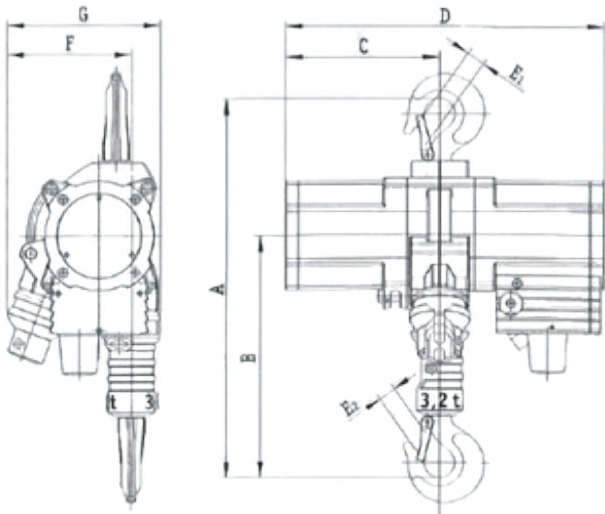
Technical Parameters			
Model		05TI	3TI/2
Lifting capacity	ton	1.6	3.2
Air pressure	bar	4-6	4-6
Number of chains		1	2
Motor power rating	km	1.3-2	1.3-2
Motor power rating	M/min	8.4-10	4.2-5
No-load lifting speed	M/min	4-6	2-3
Full-load lowering speed	M/min	11-12	5.5-6
Gas consumption at full load	cubic meter/minute	1.5 - 2.6	1.5 - 2.6
Reduced gas consumption at full load	cubic meter/minute	2.2-3.6	2.2-3.6
Gas piping function		G3/4	G3/4
Pipe size (internal diameter)	mm	19	19
Weight during lifting (chain symptoms)	kg	56	66
Chain size	mm	9x27	9x27
Chain weight	kg/m	1.8	1.8
Standard lifting height	m	3	3
Requested cable length control	m	2	2
Noise at full load - Lifting	db	73 -77	73 -77
Noise at full load - Lowering	db	78-80	78-80



DIN45635,2 sensitive, 1-meter measuring machine, Zang night, etc.

Images for illustrative purposes only.

Technical Parameters		
Model	1.5T1	3T1/2
A - Maximum hook distance	480	544
B	293	356
C	200	200
D	412	412
E1	28	28
E2	26	28
F - Hook center clearance	170	140
G - Maximum lever	215	215



Equipped with a chain storage box will increase the clear height

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Explosion-proof pneumatic hoist series

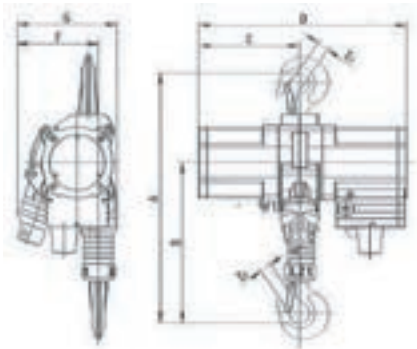
Technical Parameters						
Model		3TI	6TI	10TI	16TI	20
Lifting capacity	ton	3.2	6.3	10	16	20
Air pressure	bar	4 6	4 6	4 6	4 6	4 6
Number of chains		1	2	2	3	4
Motor power rating	km	1.8 3.5	1.8 3.5	1.8 3.5	1.8 3.5	1.8 3
Motor power rating	M/min	2.5 5	1.2 2.5	0.8 1.6	0.5 1	0.4 0
No-load lifting speed	M/min	6 10	3 5	2 3.2	1.3 2	11
Full-load lowering speed	M/min	7.5 10.8	3.6 5.4	2.5 3.4	1.6 2.1	1.2 1
Gas consumption at full load	cubic meter/minute	2 4	24	2 4	2 4	2 4
Reduced gas consumption at full load	cubic meter/minute	3.5 5.5	3.5 5.5	3.5 5.5	3.5 5.5	3.5 5.5
Gas piping function		G3/4	G3/4	G3/4	G3/4	G3
Duct size (average internal difference)	mm	19	19	19	19	19
Weight during lifting and maintenance interval	kg	86	110	156	240	28
Chain size	mm	13x36	13x36	16x45	16x45	16x
Chain weight	kg/m	3.8	3.8	5.8	5.8	5.8
Standard lifting height	m	3	3	3	3	3
Standard cable length control	m	2	2	2	2	2
Noise at full load - Lifting	db	74 78	74 78	74 78	74 78	74 7
Noise at full load - Lowering	db	79 80	79 80	79 80	79 80	79 8

Images for illustrative purposes only.



Technical Parameters					
Model	3TI	6TI	10TI	16TI	20TI
A - Minimum clearance diameter	593	674	813	898	1030
B	373	454	548	598	670
C	233	233	308	382	382
D	483	483	575	692	692
E1	40	40	44	53	75
E2	30	40	44	53	75
F - To hook center	187	154	197	199	180
G - Maximum width	233	233	306	308	315

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Explosion-proof pneumatic hoist series

Technical Parameters									
Model		25TI	30TI	37TI	40TI	50TI	60TI	75TI	100TI
Lifting capacity	ton	25	30	37.5	40	50	60	75	100
Air pressure	bar	6							
Number of chains		2	2	3	3	4	4	3	4
Motor power rating	km	6.3						9	9
Motor power rating	M/min	1.25	1.0	0.75	0.7	0.55	0.45	0.53	0.4
No-load lifting speed	M/min	2.4	2.4	1.7	1.7	1.3	1.3	1.33	1.0
Full-load lowering speed	M/min	2.8	2.8	2.0	2.0	1.6	1.6	1.25	0.95
Gas consumption at full load	cubic meter/minute	6.5						7.6	
Reduced gas consumption at full load	cubic meter/minute	2.9						6	
Gas piping function		G1 1/2							
Pipe size (internal diameter)	mm kg	35							
Weight during lifting (chain symptoms)	mm	550	550	850	850	940	940	1800	2000
Chain size		23.3 X 66						32X90	
Chain weight	kg/m	12.2						21.3	
Standard lifting height	m	3							
Standard chain length control	m	2							
Noise at full load - Lifting	db	78						77	
Noise at full load - Lowering	db	82						83	

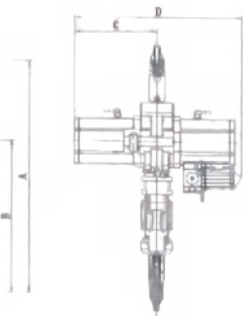
Mechanical fatigue classification

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Technical Parameters								
Model	25TI	30TI	37TI	40TI	50TI	37TI	40TI	50TI
A - Minimum clearance diameter	1260	1260	1470	1470	1485	1485	1930	1930
B	827	827	935	935	950	950	1250	1250
C	450	450	540	540	540	540	825	825
D	900	900	1080	1080	1080	1080	1535	1535
E1	75	75	100	100	100	100	120	120
E2	75	75	100	100	100	100	120	120
F - To hook center	270	270	285	285	250	250	405	405
G - Maximum width	445	445	450	450	430	430	600	600

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Explosion-proof pneumatic hoist series

Explosion-proof pneumatic hoist series

Lifting capacity: 1 ton to 6 tons. Air pressure: 4 bar.

The Loquen LQ series was originally designed and manufactured for underground mining, but has been extended to a variety of industrial applications due to its suitability for different types of situations. Overall, it shares the same basic characteristics as the LQProfi series, but requires only 4 bar air pressure, and offers two different systems to choose from.

Technical Parameters

Lifting capacity: 1 ton to 6 tons. Air pressure: 4 bar.

- ATEX-certified for hazardous areas with explosion risk.
- Dual-chain alternating operation system.
- Engineered for optimized horizontal traction.

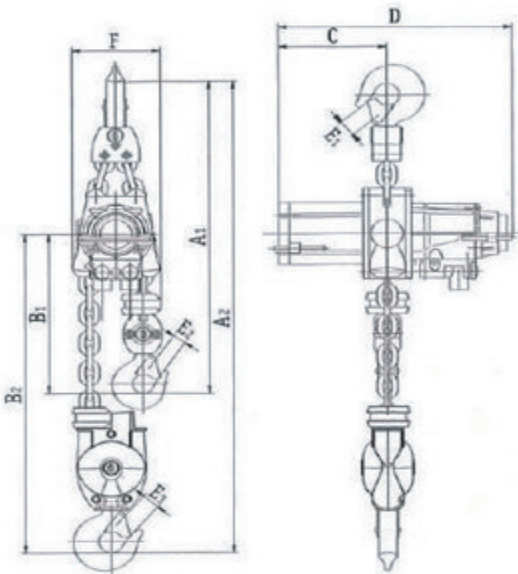
Technical Parameters

Model			
Lifting capacity	ton	1/2	3/6
Air pressure	bar	4	4
Number of chains		1/2	1/2
Motor power rating	km	0.77	1.3
Motor power rating	M/min	3/1.5	2.2/1.1
No-load lifting speed	M/min	8/4	5/2.5
Full-load lowering speed	M/min	12.5/6.5	6/3
Gas consumption at full load	cubic meter/minute	1.0	2.2
Reduced gas consumption at full load	cubic meter/minute	2.0	3.2
Gas piping function		Rd32X1/8	Rd32X1/8
Pipe size (average internal diameter)	mm	19	19
Standard lifting weight and length range	kg	60	100
Chain size	mm	31	51
Chain weight	kg/m	9x27	13x36
Standard lifting height	m	1.8	3.8
Standard cable length control	m	5/2.5	5/2.5
Noise at full load - Lifting	db	2	2
Noise at full load - Lowering	db	75-85	79-83



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Model	GF64	GF63D
A1 - Minimum free distance	603	750
A2 - Minimum free distance	660	870
B1	313	370
B2	370	490
C	175	237
D	375	507
E1 - Hook width	30	40
E2 - Hook width	30	40
E3 - Hook width	30	30
F - Maximum width	144	195



WST057 H418 Light Type Champion Snatch Block with Hook



Stock No.	Size (in)	WLL (t)	Diam of Rope (in)	Net Weight (kg)
HS3030101	3	2	3/8	2.25
HS3030102	4 1/2	4	1/2	5.6
HS3030103	6	8	3/4	12.4
HS3030104	8	8	3/4	16.5
HS3030105	10	8	3/4	21.5
HS3030106	12	8	3/4	26
HS3030107	14	8	3/4	36
HS3030108	16	15	7/8	56
HS3030109	18	15	1	66

Images for illustrative purposes only.

WST058 H419 Light Type Champion Snatch Block with Shackle



Stock No.	Size (in)	WLL (t)	Diam of Rope (in)	Net Weight (kg)
HS3030201	3	2	3/8	2.25
HS3030202	4 1/2	4	1/2	5.8
HS3030203	6	8	3/4	12.5
HS3030204	8	8	3/4	16.5
HS3030205	10	8	3/4	20
HS3030206	12	8	3/4	25
HS3030207	14	8	3/4	36.5
HS3030208	16	15	7/8	60
HS3030209	18	15	1	72

Images for illustrative purposes only.

WST059 H404 Light Type Champion Snatch Block Tail Board



Stock No.	Size (in)	WLL (t)	Diam of Rope (in)	Net Weight (kg)
HS3030301	3	2	3/8	1.4
HS3030302	4 1/2	4	1/2	3.8
HS3030303	6	8	3/4	7
HS3030304	8	8	3/4	11
HS3030305	10	8	3/4	16
HS3030306	12	8	3/4	25
HS3030307	14	8	3/4	32
HS3030308	16	15	7/8	48
HS3030309	18	15	1	62

Images for illustrative purposes only.

WST060 H408 Light Type Champion Snatch Block Double Sheave with Hook



Stock No.	Size (in)	WLL (t)	Diam of Rope (in)	Net Weight (kg)
HS3030401	4 1/2	4	1/2	9.2
HS3030402	6	12	3/4	21
HS3030403	8	12	3/4	28
HS3030404	10	12	3/4	36.5
HS3030405	12	12	3/4	50
HS3030406	14	12	3/4	56
HS3030407	16	15	7/8	101
HS3030408	18	15	1	106.5

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WST061 H409 Light Type Champion Snatch Block Double Sheave with Shackle



Stock No.	Size (in)	WLL (t)	Diam of Rope (in)	Net Weight (kg)
HS3030501	4 1/2	4	1/2	9.5
HS3030502	6	12	3/4	23
HS3030503	8	12	3/4	28
HS3030504	10	12	3/4	36
HS3030505	12	12	3/4	53
HS3030506	14	12	3/4	66
HS3030507	16	15	7/8	108
HS3030508	18	15	1	110

Images for illustrative purposes only.

WST088 7611 Pulley Block Single Sheave with Hook



Stock No.	Size (t)	WLL (t)	Diam of Rope (mm)	Net Weight (kg)
HS3030601	0.5	0.5	12	1.1
HS3030602	1	1	14	1.6
HS3030603	2	2	20	3.5
HS3030604	3.2	3.2	23	5.5
HS3030605	5	5	26	9

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WST089 7612 Pulley Block Double Sheave with Hook



Stock No.	Size (t)	WLL (t)	Diam of Rope (mm)	Net Weight (kg)
HS3030701	1	1	12	3.75
HS3030702	2	2	14	5.17
HS3030703	3	3	20	7.5
HS3030704	5	5	23	15
HS3030705	8	8	26	30
HS3030706	10	10	28	43

Images for illustrative purposes only.

WST146 SS Swivel Block with Single Wheel



Stock No.	Size (in)	WLL (lbs)	Diam of Rope (in)	Net Weight (kg)
HS3030801	1	520	1/2	0.18
HS3030802	1 1/4	600	1/2	0.28
HS3030803	2	1000	5/8	0.38
HS3030804	3	2000	3/4	0.72
HS3030805	4	2800	1	1.6

Images for illustrative purposes only.

WST026 Flat Mount Block



Stock No.	Size (in)	WLL (lbs)	Diam of Rope (in)	Net Weight (kg)
HS3030901	1 1/2	525	3/16	0.15
HS3030902	2	600	3/16	0.25
HS3030903	2 1/2	685	1/4	0.4
HS3030904	3	800	1/4	0.58
HS3030905	3 1/2	1550	5/16	1.2
HS3030906	4	1700	3/8	1.6
HS3030907	5	1850	3/8	2.4

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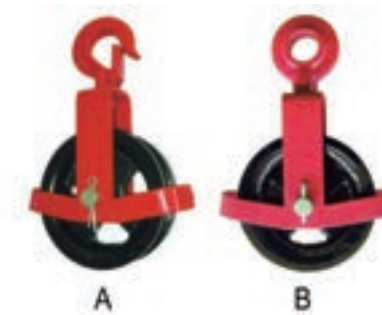
WST036 Zinc Single Sheave Pulley Swivel Eye



Stock No.	Size (in)	WLL (kg)	Diam of Rope (in)	Net Weight (kg)
HS3031001	1/2	50	5/32	20
HS3031002	3/4	75	3/16	40
HS3031003	1	100	1/4	70
HS3031004	1 1/4	150	5/16	100
HS3031005	1 1/2	250	5/16	155
HS3031006	2	300	7/16	390
HS3031007	2 1/2	350	1/2	580
HS3031008	3	400	5/8	800
HS3031009	4	450	3/4	1700
HS3031010	5	500	3/4	2700

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WST170 G170 Pulley Block with Safe Shelf Iron Sheave



Stock No.	Size (in)	WLL (kg)	Diam of Rope (mm)	Net Weight (kg)
HS3031101	5	500	24	2
HS3031102	5	500	24	2.1
HS3031103	6	1000	26	3.3
HS3031104	6	1000	26	3.4

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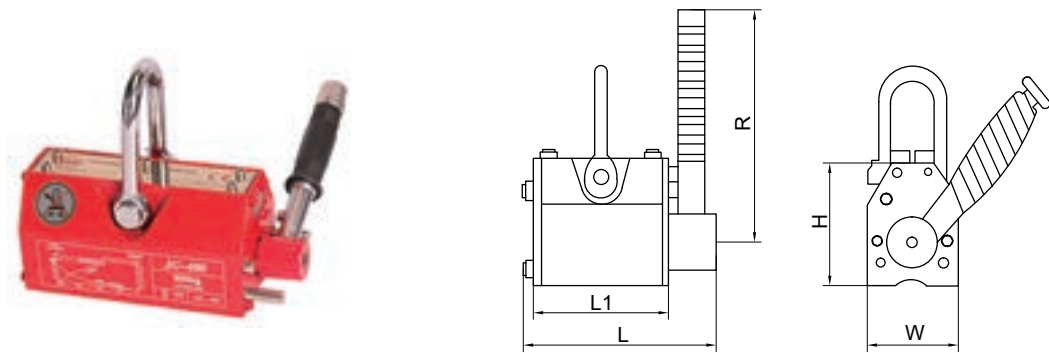
A002 Snatch Block with Swivel Eye



Stock No.	Size (in)	WLL (t)	Diam of Rope (mm)	Weight (kg)
HS3031201	3	1.5	4-6	1.7
HS3031202	4	3	6-9	3.1
HS3031203	5	4.5	8-12	5
HS3031204	6	6	10-14	8.5
HS3031205	7	8	14-18	15
HS3031206	8	8	14-18	13.5

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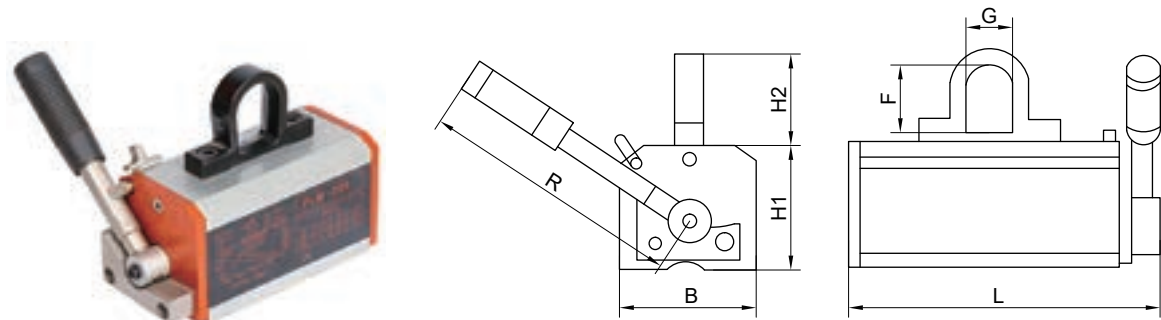
JP1 Magnetic Lifting Clamp



Stock No.	Type	WLL (kg)	Max.breakaway force(kg)	Dimensions(mm)					Gross Weight (kg)
				L	L1	W	H	R	
HS3040101	JG-100kg	100	300	130	85	62	67	155	4
HS3040102	JG-200kg	200	600	199	153	69	73	155	6
HS3040103	JG-400kg	400	1200	210	155	95	92	195	11
HS3040104	JG-600kg	600	1800	265	210	120	115	228	22
HS3040105	JG-1000kg	1000	3000	320	257	153	135	255	39
HS3040106	JG-2000kg	2000	5000	415	345	172	165	355	74
HS3040107	JG-3000kg	3000	7500	500	432	175	165	355	92
HS3040108	JG-5000kg	5000	12500	620	520	230	215	580	215

Images for illustrative purposes only.

JP3 Magnetic Lifting Clamp



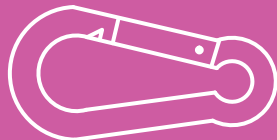
Stock No.	Type	WLL (kg)	Max.breakaway force(kg)	Dimensions(mm)							Gross Weight (kg)
				L	B	H1	H2	R	F	G	
HS3040201	JG3-100kg	100	350	137	62	66	45	120	32	21	4
HS3040202	JG3-300kg	300	1050	199	90	95	68	175	50	38	11
HS3040203	JG3-600kg	600	2100	263	115	107	78	225	58	42	22
HS3040204	JG3-1000kg	1000	3500	303	150	140	88	266	64	50	42
HS3040205	JG3-1500kg	1500	5250	348	166	156	102	336	76	56	64
HS3040206	JG3-2000kg	2000	7000	394	175	170	102	343	76	56	80

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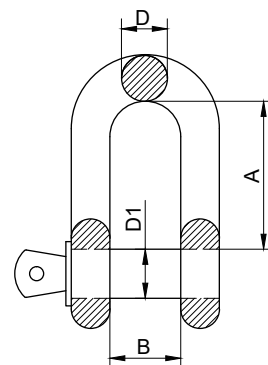
STAINLESS STEEL HARDWARES

- Stainless Steel Shackles
- Stainless Steel Turnbuckles
- Stainless Steel Wire Rope Clips
- Stainless Steel Thimbles
- Stainless Steel Eye Bolts & Eye Nuts
- Stainless Steel Snap Hook
- Stainless Steel Quick Link

04

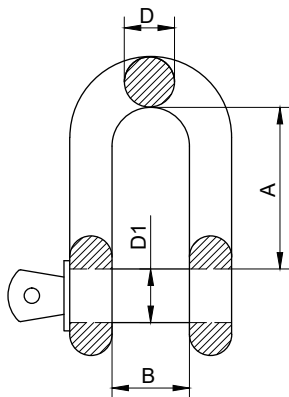


European Type Dee Shackle



Stock No.	D (mm)	A (mm)	B (mm)	D1 (lbs)
HS4010101	4	14	8	4
HS4010102	5	17.5	10	5
HS4010103	6	21	12	6
HS4010104	8	28	16	8
HS4010105	9	31.5	18	10
HS4010106	10	35	20	10
HS4010107	12	42	24	12
HS4010108	14	49	28	14
HS4010109	16	56	32	16
HS4010110	18	63	36	18
HS4010111	19	66.5	38	20
HS4010112	20	70	40	20
HS4010113	22	77	44	22
HS4010114	25	87.5	50	24
HS4010115	28	98	56	27
HS4010116	30	105	60	30
HS4010117	32	112	64	33
HS4010118	38	133	76	36

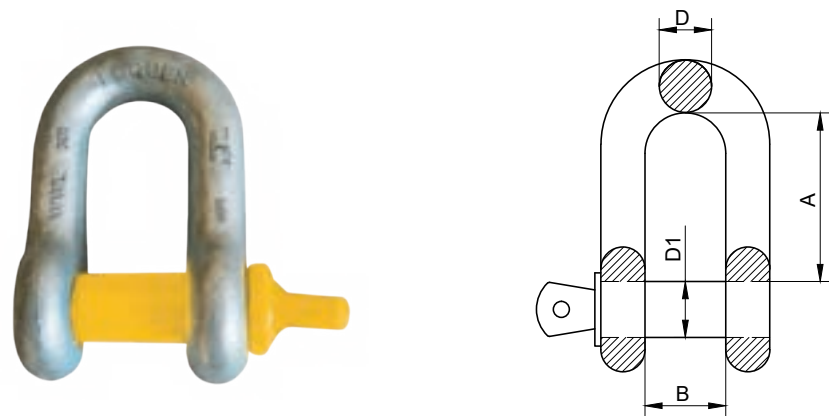
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Stock No.	D (mm)	A (mm)	B (mm)	D1 (mm)
HS4010201	4	16	8	4
HS4010202	5	20	10	5
HS4010203	6	24	12	6
HS4010204	8	32	16	8
HS4010205	9	36	18	10
HS4010206	10	40	20	10
HS4010207	12	48	24	12
HS4010208	14	56	28	14
HS4010209	16	64	32	16
HS4010210	18	72	36	18
HS4010211	19	76	38	20
HS4010212	20	80	40	20
HS4010213	22	88	44	22
HS4010214	25	100	50	24
HS4010215	28	112	56	27
HS4010216	30	120	60	30
HS4010217	32	128	64	33
HS4010218	38	152	76	36

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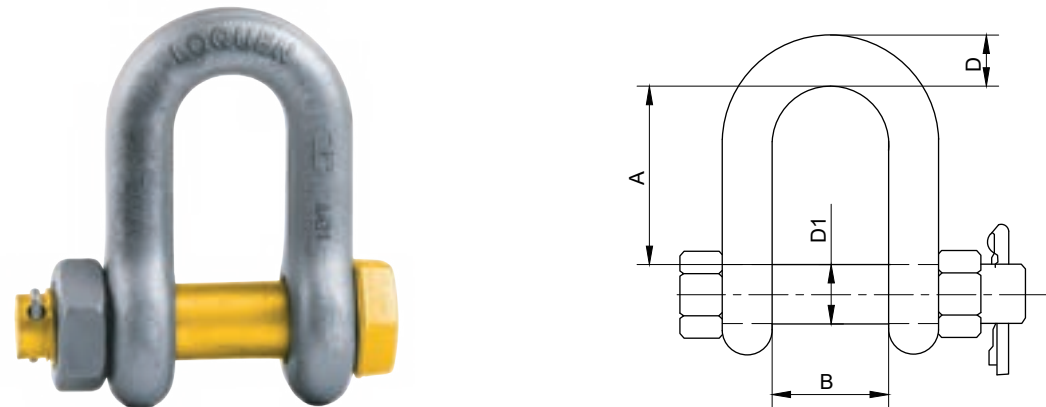
US Type Dee Shackle



Stock No.	Size	D (mm)	A (mm)	B (mm)	D1 (mm)
HS4010301	3/16	5	18	9.6	6
HS4010302	1/4	6	22.5	12	8
HS4010303	5/16	8	26	13.5	10
HS4010304	3/8	10	32	16.8	12
HS4010305	7/16	11	36.5	19	12.7
HS4010306	1/2	12	41.5	20.5	14
HS4010307	1/2	12.7	41.5	20.5	16
HS4010308	9/16	14	46	24	16
HS4010309	5/8	16	51	27	18
HS4010310	5/8	16	51	27	19
HS4010311	3/4	19	60	32	22
HS4010312	7/8	22	71	36.5	25
HS4010313	1'	25	81	43	28
HS4010314	1-1/8	28	92	46	32
HS4010315	1-1/4	32	101	52	35
HS4010316	1-1/2	38	124	61	42

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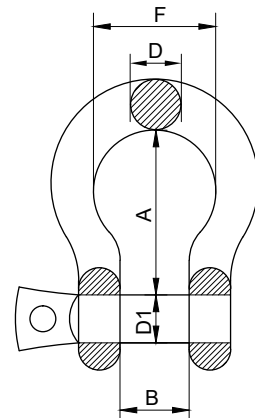
US Type G-2150 Shackle



Stock No.	Size	D (mm)	D1 (mm)	A (mm)	B (mm)
HS4010401	3/16	5	6	18	9.6
HS4010402	1/4	6	8	22.5	12
HS4010403	5/16	8	10	26	13.5
HS4010404	3/8	10	12	32	16.8
HS4010405	7/16	11	12.7	36.5	19
HS4010406	1/2	12	14	41.5	20.5
HS4010407	1/2	12.7	16	41.5	20.5
HS4010408	9/16	14	16	46	24
HS4010409	5/8	16	18	51	27
HS4010410	5/8	16	19	51	27
HS4010411	3/4	19	22	60	32
HS4010412	7/8	22	25	71	36.5
HS4010413	1'	25	28	81	43
HS4010414	1-1/8	28	32	92	46
HS4010415	1-1/4	32	35	101	52
HS4010416	1-1/2	38	42	124	61

Images for illustrative purposes only.

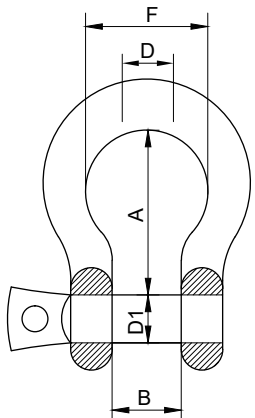
JIS Type Bow Shackle



Stock No.	D (mm)	A (mm)	B (mm)	D1 (mm)	F (mm)
HS4010501	4	14	8	4	14
HS4010502	5	17.5	10	5	17.5
HS4010503	6	21	12	6	21
HS4010504	8	28	16	8	28
HS4010505	9	31.5	18	10	31.5
HS4010506	10	35	20	10	35
HS4010507	12	42	24	12	42
HS4010508	14	49	28	14	49
HS4010509	16	56	32	16	56
HS4010510	18	63	36	18	63
HS4010511	19	66.5	38	20	66.5
HS4010512	20	70	40	20	70
HS4010513	22	77	44	22	77
HS4010514	25	87.5	50	24	87.5
HS4010515	28	98	56	27	98
HS4010516	30	105	60	30	105
HS4010517	32	112	64	33	112
HS4010518	38	133	76	36	133

Images for illustrative purposes only.

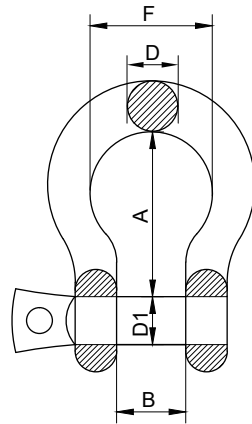
European Type Bow Shackle



Stock No.	D (mm)	A (mm)	B (mm)	D1 (mm)	F (mm)
HS4010601	4	16	8	4	12
HS4010602	5	20	10	5	15
HS4010603	6	24	12	6	18
HS4010604	8	32	16	8	24
HS4010605	9	36	18	10	27
HS4010606	10	40	20	10	30
HS4010607	12	48	24	12	36
HS4010608	14	56	28	14	42
HS4010609	16	64	32	16	48
HS4010610	18	72	36	18	54
HS4010611	19	76	38	20	57
HS4010612	20	80	40	20	60
HS4010613	22	88	44	22	66
HS4010614	25	100	50	24	75
HS4010615	28	112	56	27	84
HS4010616	30	120	60	30	90
HS4010617	32	128	64	33	96
HS4010618	38	152	76	36	114

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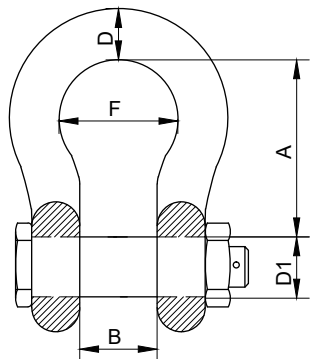
US Type Bow Shackle



Stock No.	Size (in)	D (mm)	A (mm)	B (mm)	D1 (mm)	F (mm)
HS4010701	3/16	5	22.5	9.6	6	15.3
HS4010702	1/4	6	28.5	12	8	19.8
HS4010703	5/16	8	31	13.5	10	21.5
HS4010704	3/8	10	36.5	16.8	12	26.2
HS4010705	7/16	11	43	19	12.7	29.5
HS4010706	1/2	12	48	20.5	14	33
HS4010707	1/2	12.7	48	20.5	16	33
HS4010708	9/16	14	54	24	16	38
HS4010709	5/8	16	60	27	18	43
HS4010710	5/8	16	60	27	19	43
HS4010711	3/4	19	71.5	32	22	51
HS4010712	7/8	22	84	36.5	25	58
HS4010713	1'	25	95	43	28	68
HS4010714	1-1/8	28	108	46	32	73
HS4010715	1-1/4	32	119	52	35	82
HS4010716	1-1/2	38	146	61	42	98

Images for illustrative purposes only.

US Type G-2130 Shackle



Stock No.	Size	D (mm)	D1 (mm)	A (mm)	B (mm)	F (mm)
HS4010801	3/16	5	6	22.5	9.6	15.3
HS4010802	1/4	6	8	28.5	12	19.8
HS4010803	5/16	8	10	31	13.5	21.5
HS4010804	3/8	10	12	36.5	16.8	26.2
HS4010805	7/16	11	12.7	43	19	29.5
HS4010806	1/2	12	14	48	20.5	33
HS4010807	1/2	12.7	16	48	20.5	33
HS4010808	9/16	14	16	54	24	38
HS4010809	5/8	16	18	60	27	43
HS4010810	5/8	16	19	60	27	43
HS4010811	3/4	19	22	71.5	32	51
HS4010812	7/8	22	25	84	36.5	58
HS4010813	1'	25	28	95	43	68
HS4010814	1-1/8	28	32	108	46	73
HS4010815	1-1/4	32	35	119	52	82
HS4010816	1-1/2	38	42	146	61	98

Images for illustrative purposes only.

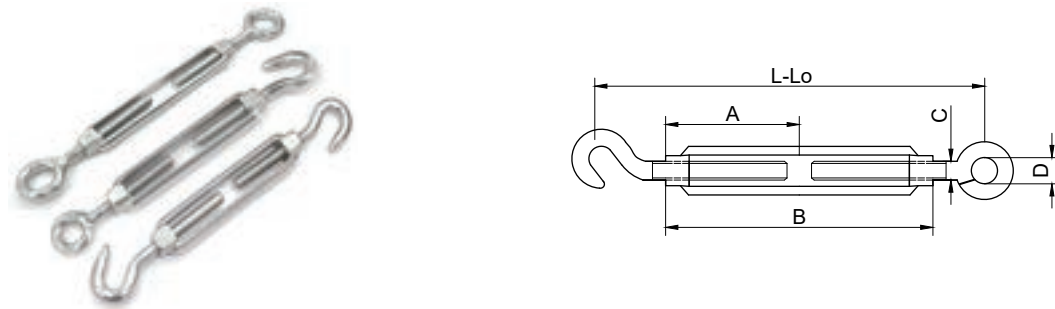
Long Dee Shackle



Stock No.	D (mm)	A (mm)	B (mm)	D1 (mm)
HS4010901	4	30	8	4
HS4010902	5	37.5	10	5
HS4010903	6	45	12	6
HS4010904	8	60	16	8
HS4010905	10	75	20	10
HS4010906	12	90	24	12
HS4010907	14	105	28	14
HS4010908	16	120	32	16
HS4010909	18	135	36	18
HS4010910	20	150	40	20

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European Type Turnbuckle



Stock No.	Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	L (mm)	Lo (mm)
HS4020101	4	30	58	5	6.5	80	131
HS4020102	5	34	70	6	8	96	146
HS4020103	6	44	90	8	10	122	190
HS4020104	8	58	120	12	12	164	255
HS4020105	10	73	150	13	16	205	325
HS4020106	12	97	200	15	18	264	425
HS4020107	14	110	225	18	20	300	486
HS4020108	16	122	250	20	26	337	548
HS4020109	20	147	300	25	30	406	646

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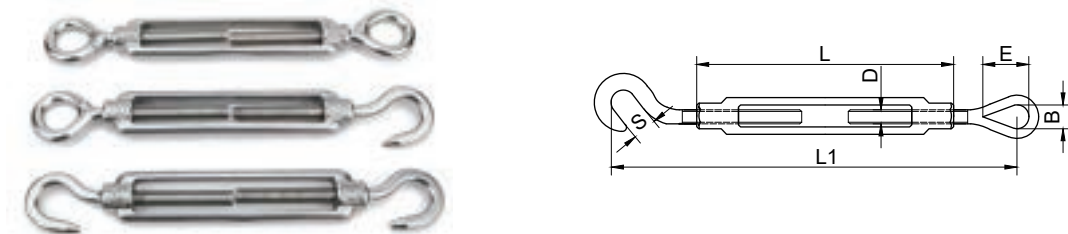
DIN1480 Turnbuckle



Stock No.	Size (mm)	L (mm)	L1 (mm)	B (mm)	D (mm)	D1 (mm)	I (mm)
HS4020201	6	110	60	53	10	19	4.5
HS4020202	8	110	60	55	12	25	6.5
HS4020203	10	125	65	60	14	30	8
HS4020204	12	125	75	70	18	39	10.5
HS4020205	16	170	100	90	22	48	13
HS4020206	20	200	115	100	25	65	20

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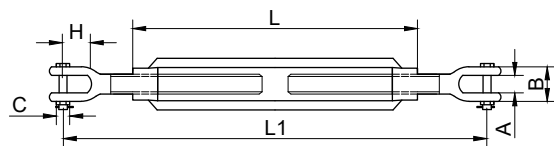
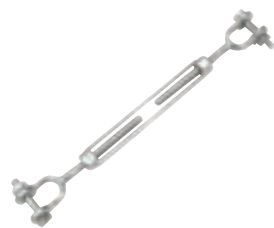
US Type Turnbuckle



Stock No.	Size (in)	L (mm)	L1 (mm)	D (mm)	B (mm)	E (mm)	S (mm)
HS4020301	1/4	101.60	188.72	6.35	8.13	19.81	9.40
HS4020302	5/16	114.30	209.30	7.87	10.92	23.88	10.16
HS4020303	3/8	152.40	269.90	9.65	12.95	28.45	12.19
HS4020304	1/2	152.40	293.37	12.70	18.03	36.58	13.97
HS4020305	1/2	228.60	369.57	12.70	18.03	36.58	13.97
HS4020306	1/2	304.80	445.77	12.70	18.03	36.58	13.97
HS4020307	5/8	152.40	324.36	16.00	22.10	44.45	18.80
HS4020308	5/8	228.60	400.56	16.00	22.10	44.45	18.80
HS4020309	5/8	304.80	476.76	16.00	22.10	44.45	18.80
HS4020310	3/4	152.40	359.93	19.05	25.15	53.09	22.86
HS4020311	3/4	228.60	435.13	19.05	25.15	53.09	22.86
HS4020312	3/4	304.80	510.33	19.05	25.15	53.09	22.86

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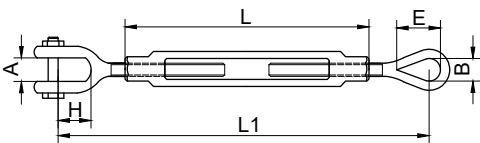
US Type Turnbuckle with Jaw & Jaw



Stock No.	Size (in)	L (mm)	L1 (mm)	A (mm)	B (mm)	C (mm)	H (mm)
HS4020401	1/4	101.60	181.61	11.43	22.86	6.10	15.75
HS4020402	5/16	114.30	218.69	12.45	25.40	6.10	22.10
HS4020403	3/8	152.40	265.43	13.46	27.43	7.87	22.10
HS4020404	1/2	152.40	301.75	17.02	34.54	9.91	26.92
HS4020405	1/2	228.60	378.95	17.02	34.54	9.91	26.92
HS4020406	1/2	304.80	454.15	17.02	34.54	9.91	26.92
HS4020407	5/8	152.40	337.82	20.57	42.67	11.94	33.27
HS4020408	5/8	228.60	414.02	20.57	42.67	11.94	33.27
HS4020409	5/8	304.80	489.22	20.57	42.67	11.94	33.27
HS4020410	3/4	152.40	371.35	25.91	50.04	16.00	38.10
HS4020411	3/4	228.60	447.55	25.91	50.04	16.00	38.10
HS4020412	3/4	304.80	522.75	25.91	50.04	16.00	38.10
HS4020413	7/8	152.40	406.40	29.97	61.72	20.07	44.45
HS4020414	7/8	304.80	558.80	29.97	61.72	20.07	44.45
HS4020415	1	152.40	447.04	33.02	66.80	22.10	52.32
HS4020416	1	304.80	600.44	33.02	66.80	22.10	52.32
HS4020417	1-1/4	304.80	672.08	46.48	91.44	28.45	71.37
HS4020418	1-1/2	304.80	708.15	52.07	100.58	35.05	71.37

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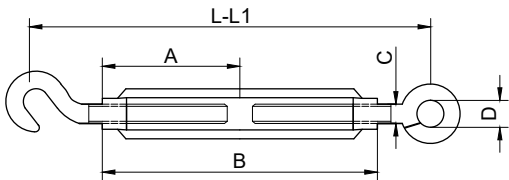
US Type Turnbuckle with Jaw & Eye



Stock No.	Size (in)	L (mm)	L1 (mm)	A (mm)	B (mm)	E (mm)	H (mm)
HS4020501	1/4	101.60	192.53	11.43	8.13	19.81	15.75
HS4020502	5/16	114.30	212.85	12.45	10.92	23.88	22.10
HS4020503	3/8	152.40	271.78	13.46	12.95	28.45	22.10
HS4020504	1/2	152.40	303.28	17.02	18.03	36.58	26.92
HS4020505	1/2	228.60	379.48	17.02	18.03	36.58	26.92
HS4020506	1/2	304.80	455.68	17.02	18.03	36.58	26.92
HS4020507	5/8	152.40	344.17	20.57	22.10	44.45	33.27
HS4020508	5/8	228.60	420.37	20.57	22.10	44.45	33.27
HS4020509	5/8	304.80	496.57	20.57	22.10	44.45	33.27
HS4020510	3/4	152.40	381.00	25.91	25.15	53.09	38.10
HS4020511	3/4	228.60	457.20	25.91	25.15	53.09	38.10
HS4020512	3/4	304.80	533.40	25.91	25.15	53.09	38.10
HS4020513	7/8	152.40	412.75	29.97	30.73	60.45	44.45
HS4020514	7/8	304.80	565.15	29.97	30.73	60.45	44.45
HS4020515	1	152.40	462.28	33.02	34.80	76.20	52.32
HS4020516	1	304.80	614.68	33.02	34.80	76.20	52.32

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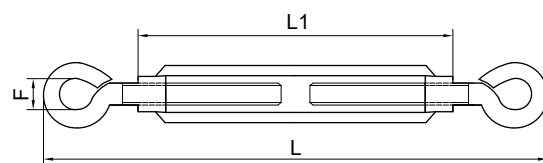
JIS Frame Type Turnbuckle



Stock No.	Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	L (mm)	L1 (mm)
HS4020601	5	34	70	6	8	96	146
HS4020602	6	44	90	8	10	122	190
HS4020603	8	58	120	12	12	164	255
HS4020604	10	73	150	13	16	205	325
HS4020605	12	97	200	15	18	264	425
HS4020606	16	122	250	20	26	337	548
HS4020607	20	147	300	25	30	406	646

Images for illustrative purposes only.

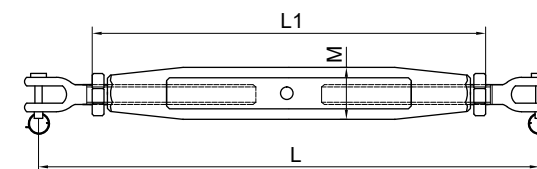
Korean Type Turnbuckle with Eye & Eye



Stock No.	Size (in)	L (mm)	L1 (mm)	F (mm)
HS4020701	1/4	156	100	12
HS4020702	5/16	180	110	14
HS4020703	3/8	236	156	16
HS4020704	1/2	270	170	20
HS4020705	5/8	346	217	22
HS4020706	3/4	400	245	26

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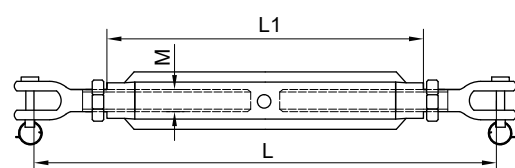
Pipe Turnbuckle with Toggle & Toggle



Stock No.	Size (mm)	L (mm)	L1 (mm)	M (thread)	BL (lbs)
HS4020901	5	131	80	M5	500
HS4020902	6	148	90	M6	900
HS4020903	8	180	110	M8	1650
HS4020904	10	220	120	M10	2500
HS4020905	12	258	150	M12	3700
HS4020906	14	295	165	M14	5000
HS4020907	16	335	190	M16	6950
HS4020908	20	385	210	M20	9600

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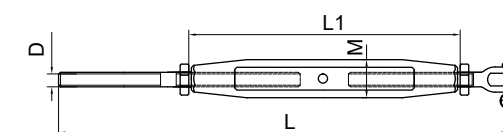
Pipe Turnbuckle with Jaw & Jaw



Stock No.	Size (mm)	L (mm)	L1 (mm)	M (thread)	BL (lbs)
HS4020801	5	115	80	M5	750
HS4020802	6	142	90	M6	1400
HS4020803	8	160	110	M8	2200
HS4020804	10	200	120	M10	3450
HS4020805	12	245	150	M12	5000
HS4020806	14	280	165	M14	6400
HS4020807	16	304	190	M16	8000
HS4020808	20	350	210	M20	10500

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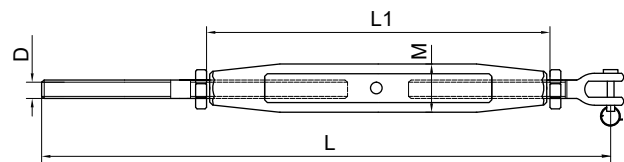
Pipe Turnbuckle with Jaw & Swage Stud



Stock No.	Size (mm)	L (mm)	L1 (mm)	M (thread)	D (mm)	DiaΦCable (mm)	BL (lbs)
HS4021001	2.5	155	80	M5	5.5	2.5	600
HS4021002	3	172	90	M6	6.3	3.0	1000
HS4021003	4	171	90	M6	7.5	4.0	1000
HS4021004	4	210	110	M8	7.5	4.0	1400
HS4021005	5	216	110	M8	9.1	5.0	1400
HS4021006	5	246	120	M10	9.1	5.0	2200
HS4021007	6	296	150	M12	12.5	6.0	4000
HS4021008	7	328	165	M14	14.3	7.0	5400
HS4021009	8	310	150	M12	16.1	8.0	4000
HS4021010	8	386	190	M16	16.1	8.0	6500
HS4021011	10	422	210	M20	17.8	10.0	8500
HS4021012	12	416	190	M16	17.8	10.0	6500

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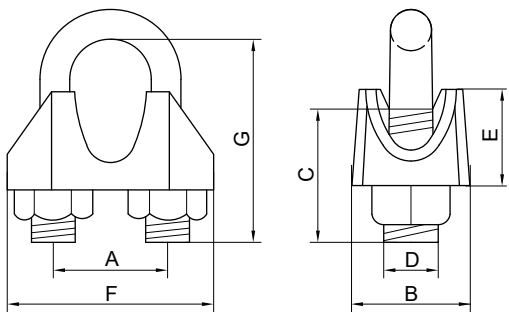
Pipe Turnbuckle with Toggle & Swage Stud



Stock No.	Size (mm)	L (mm)	L1 (mm)	M (thread)	D (mm)	DiaΦCable (mm)	BL (lbs)
HS4021101	2.5	155	80	M5	5.5	2.5	600
HS4021102	3	172	90	M6	6.3	3.0	1000
HS4021103	4	171	90	M6	7.5	4.0	1000
HS4021104	4	210	110	M8	7.5	4.0	1400
HS4021105	5	216	110	M8	9.1	5.0	1400
HS4021106	5	246	120	M10	9.1	5.0	2200
HS4021107	6	296	150	M12	12.5	6.0	4000
HS4021108	7	328	165	M14	14.3	7.0	5400
HS4021109	8	310	150	M12	16.1	8.0	4000
HS4021110	8	386	190	M16	16.1	8.0	6500
HS4021111	10	422	210	M20	17.8	10.0	8500
HS4021112	12	416	190	M16	17.8	10.0	6500

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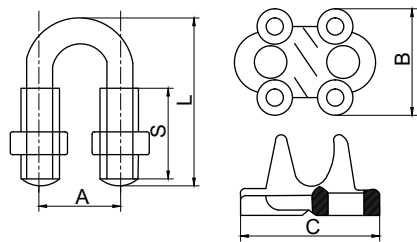
DIN741 Wire Rope Clips



Stock No.	Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
HS4030101	3	9	10	12	4	10	21	16
HS4030102	4	10	10	12	4	10	22	17
HS4030103	5	11	11	13	5	10	23	19
HS4030104	6	13	12	15	5	11	26	23
HS4030105	8	16	14	19	6	15	30	28
HS4030106	10	19	18	22	8	17	34	34
HS4030107	12	20	19	22	8	18	36	36
HS4030108	14	25	23	30	10	22	44	47
HS4030109	16	29	26	33	12	26	50	51
HS4030110	19	32	29	38	12	30	54	63
HS4030111	22	37	33	44	14	34	61	71

Images for illustrative purposes only.

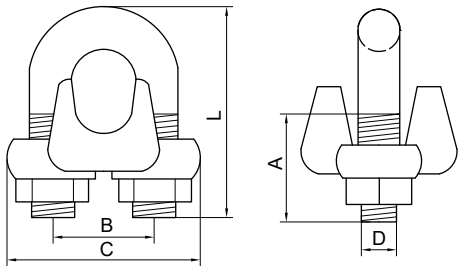
JIS Type Wire Rope Clips



Stock No.	Size (mm)	A (mm)	B (mm)	C (mm)	L (mm)	S (mm)
HS4030201	2	7.5	13	14	19	11
HS4030202	3	8	14	14	21	11
HS4030203	4	9	18	19	24	13
HS4030204	5	13	20	25	25	15
HS4030205	6	14	20.5	27	32	19
HS4030206	8	18	26	33	42	21
HS4030207	10	22	33.5	45	51	28
HS4030208	12	26	37	51	61	35
HS4030209	14	28	43	53	65	40
HS4030210	16	33	47	59	75	44
HS4030211	19	34	53	62	80	50
HS4030212	22	44	61	71	100	58

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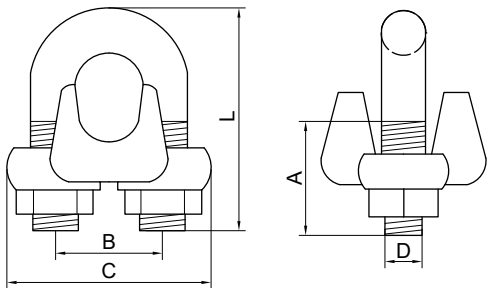
US Type Wire Rope Clips



Stock No.	Size (in)	A (mm)	B (mm)	C (mm)	D (thread)	L (mm)
HS4030301	1/8	14	11.0	22	3/16"	20.0
HS4030302	3/16	16	13.5	26	1/4"	24.0
HS4030303	1/4	20	17.0	32	5/16"	31.5
HS4030304	5/16	22	18.3	35	5/16"	34.0
HS4030305	3/8	27	22.5	40	3/8"	41.8
HS4030306	7/16	30	24.0	43	3/8"	42.8
HS4030307	1/2	35	27.0	49	7/16"	53.9
HS4030308	9/16	40	30.0	52	1/2"	54.7
HS4030309	5/8	40	33.0	57	1/2"	59.2
HS4030310	3/4	42	34.5	61	9/16"	68.7
HS4030311	7/8	46	41.0	71	5/8"	78.0
HS4030312	1	55	45.5	77	5/8"	87.5

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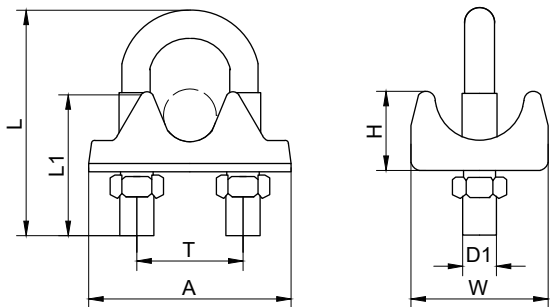
US Type Forged Wire Rope Clips



Stock No.	Size (in)	A (mm)	B (mm)	C (mm)	D (thread)	L (mm)
HS4030401	1/8	11.0	12.0	21	M6	18
HS4030402	3/16	14.0	15.0	24	M6	24
HS4030403	1/4	15.0	19.0	30	M8	26
HS4030404	5/16	19.0	22.0	33	M10	35
HS4030405	3/8	19.0	25.0	41	M12	38
HS4030406	1/2	25.0	30.0	48	M12	47
HS4030407	5/8	32.0	33.0	52	M14	60
HS4030408	3/4	36.0	38.0	57	M16	70
HS4030409	7/8	41.0	44.0	62	M20	79
HS4030410	1	46.0	47.0	67	M20	89

Images for illustrative purposes only.

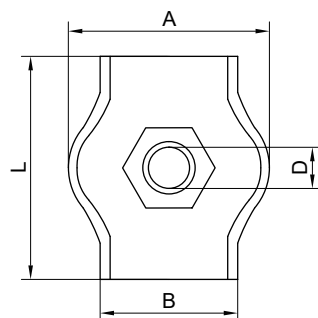
Italian Type Wire Rope Clips



Stock No.	Size (mm)	D1 (mm)	L (mm)	L1 (mm)	A (mm)	H (mm)	T (mm)	W (mm)
HS4030501	3	M4	21	11.5	20	9	8	14
HS4030502	4	M4	22	12	21	9	8	14
HS4030503	5	M5	25	14.5	24	9	10	15
HS4030504	6	M5	33	16	26	10	13	16
HS4030505	8	M6	35	21	32	12	16	20
HS4030506	10	M8	40	23	37	14	19	22
HS4030507	12	M10	54	31	45	15	25	25
HS4030508	13	M10	56	32	46	17	25	27
HS4030509	16	M10	64	35	53	20	28	30

Images for illustrative purposes only.

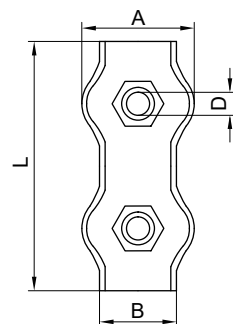
Simplex Clips



Stock No.	Size for Cable (mm)	A (mm)	B (mm)	D (thread)	L (mm)
HS4030601	2	12	4	M4	15
HS4030602	3	14	6	M4	17
HS4030603	4	16.5	8	M5	20
HS4030604	5	20	10	M5	25
HS4030605	6	24	12	M6	30
HS4030606	8	30	16	M8	37
HS4030607	10	35	20	M10	42

Images for illustrative purposes only.

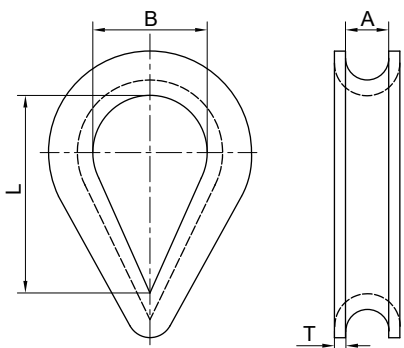
Duplex Clips



Stock No.	Size for Cable (mm)	A (mm)	B (mm)	D (thread)	L (mm)
HS4030701	2	11.5	4	M4	30
HS4030702	3	14	6	M4	35
HS4030703	4	16.5	8	M5	40
HS4030704	5	20	10	M5	50
HS4030705	6	24	12	M6	60
HS4030706	8	30	16	M8	75
HS4030707	10	35	20	M10	85

Images for illustrative purposes only.

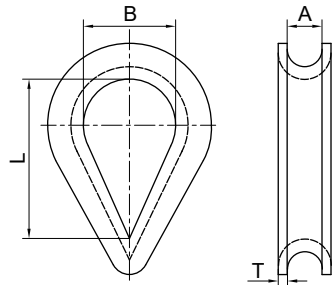
Italian Type Commercial Thimble



Stock No.	Size (mm)	A (mm)	B (mm)	L (mm)	T (mm)	DiaφCable (mm)
HS4040101	2	2	7	10	1	2
HS4040102	2.5	2.5	8	14	1	2.5
HS4040103	3	3	10	17	1	3
HS4040104	4	4	11	18	1	4
HS4040105	5	5.6	13	20	1.2	5
HS4040106	6	6.5	15	25	1.2	6
HS4040107	8	9	18	33	1.5	8
HS4040108	10	11	23	41	2	10
HS4040109	12	14	27	48	2	12
HS4040110	14	15	34	53	2.5	14
HS4040111	16	17	36	57	3	16
HS4040112	18	19	40	67	3	18
HS4040113	20	22	45	75	4	20
HS4040114	22	24	52	84	4	22
HS4040115	24	26	56	96	5	24
HS4040116	28	30	65	115	6	28
HS4040117	32	34	82	144	6	32
HS4040118	36	40	94	170	6	36

Images for illustrative purposes only.

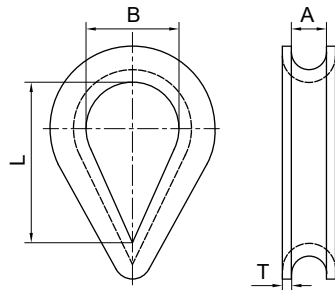
G411 US Type Standard Thimble



Stock No.	Size (in)	A (in)	B (in)	L (in)	T (in)	DiaφCable (in)
HS4040201	1/8	0.16	0.69	1.31	0.05	1/8
HS4040202	3/16	0.22	0.69	1.31	0.05	3/16
HS4040203	1/4	0.28	0.69	1.31	0.05	1/4
HS4040204	5/16	0.34	0.81	1.5	0.05	5/16
HS4040205	3/8	0.41	0.94	1.63	0.06	3/8
HS4040206	1/2	0.53	1.13	1.88	0.08	1/2
HS4040207	5/8	0.66	1.38	2.25	0.13	5/8
HS4040208	3/4	0.78	1.63	2.5	0.14	3/4
HS4040209	7/8	0.94	1.88	3.5	0.16	7/8
HS4040210	1	1.06	2.5	4.25	0.16	1
HS4040211	1-1/8	1.31	2.75	4.5	0.22	1-1/8

Images for illustrative purposes only.

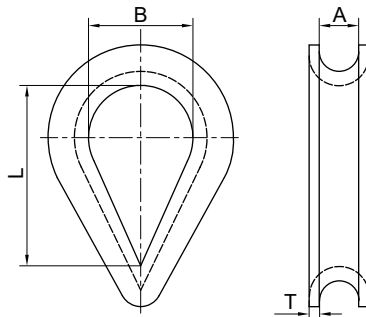
G414 US Type Heavy Duty Thimble



Stock No.	Size (in)	A (in)	B (in)	L (in)	T (in)	DiaφCable (in)
HS4040301	3/16	0.21	0.75	1.37	0.06	3/16
HS4040302	1/4	0.28	0.88	1.62	0.07	1/4
HS4040303	5/16	0.34	1.06	1.87	0.08	5/16
HS4040304	3/8	0.43	0.13	2.00	0.11	3/8
HS4040305	1/2	0.56	1.50	2.50	0.15	1/2
HS4040306	5/8	0.68	1.75	3.00	0.18	5/8
HS4040307	3/4	0.81	2.00	3.75	0.22	3/4
HS4040308	7/8	0.93	2.25	4.00	0.22	7/8
HS4040309	1	1.12	2.50	4.37	0.25	1

Images for illustrative purposes only.

European Type Wire Rope Thimble

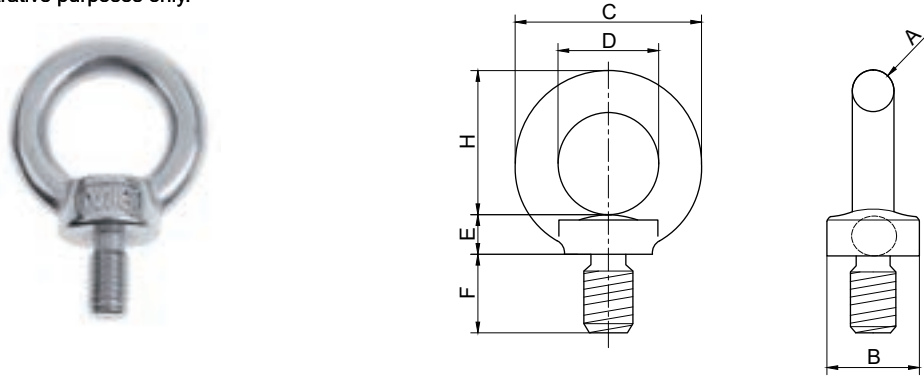


Stock No.	Size (mm)	A (mm)	B (mm)	L (mm)	T (mm)	DiaφCable (mm)
HS4040401	2	2	8	14	1	2
HS4040402	3	3	10	16	1	3
HS4040403	4	4	11	19	1	4
HS4040404	5	5.6	13.5	23.5	1	5
HS4040405	6	6.6	15	25	1.25	6
HS4040406	7	7.8	16	28	1.25	7
HS4040407	8	9	18	32	1.5	8
HS4040408	10	11	23	37	1.5	10
HS4040409	12	14	27	44	2	12
HS4040410	14	15	34	55	2.5	14
HS4040411	16	17	35	63	2.5	16
HS4040412	18	19	40	69	3	18
HS4040413	20	22	46	76.5	4	20

Images for illustrative purposes only.

DIN 580 Stainless Steel Eye Bolt

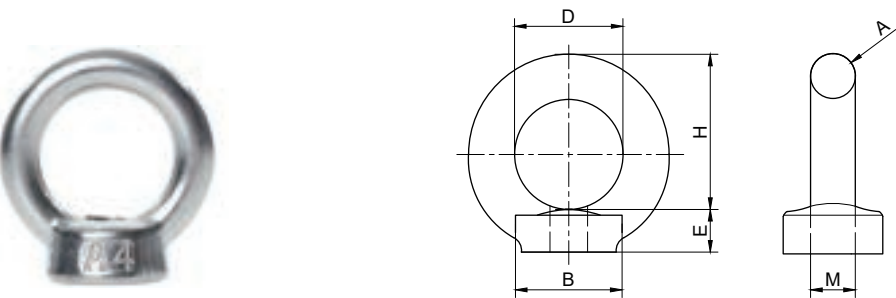
Images for illustrative purposes only.



Stock No.	Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	H (mm)
HS4050101	6	6	16	27	16	6	13	25
HS4050102	8	8	19	35	20	6	15	30
HS4050103	10	10	25	45	25	8	17	37
HS4050104	12	12	29	52	30	10	22	43
HS4050105	16	16	33	63	35	12	27	50
HS4050106	20	20	38	69	40	14	28	57
HS4050107	24	24	46	87	50	18	38	72

Images for illustrative purposes only.

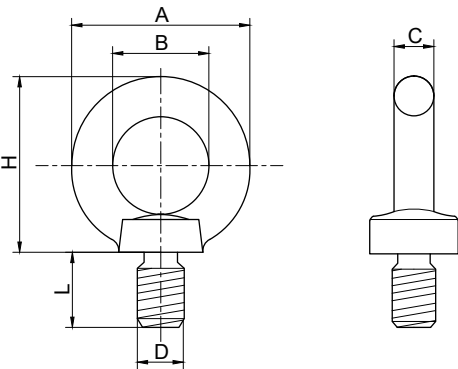
DIN 582 Stainless Steel Eye Nut



Stock No.	Size (mm)	A (mm)	B (mm)	D (mm)	E (mm)	H (mm)	M (mm)
HS4050201	6	5.5	16.5	16.5	8	28	6
HS4050202	8	7.5	20	20	9.5	35.5	8
HS4050203	10	9	24	25	10	41.5	10
HS4050204	12	11	29	30	12	50	12
HS4050205	16	13.5	33	35	15	60.5	16
HS4050206	20	15	39	40	16	70	20
HS4050207	24	19	48	50	20.5	85.5	24

Images for illustrative purposes only.

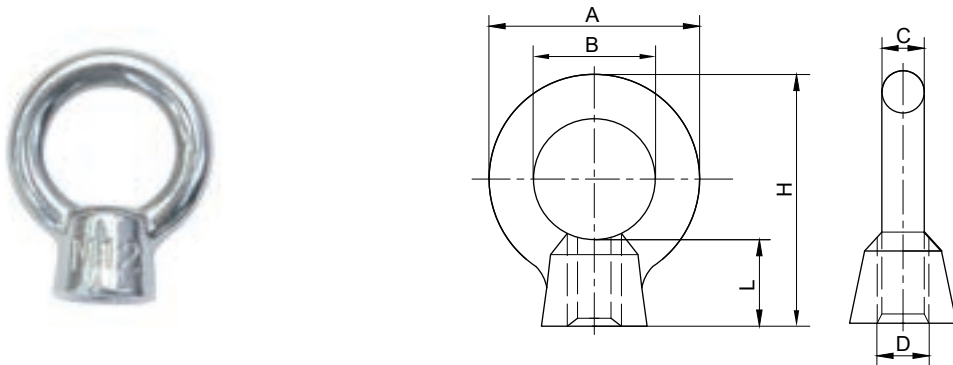
JIS 1168 Stainless Steel Eye Bolt



Stock No.	Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	H (mm)	L (mm)
HS4050301	6	25	15	4.5	6	28	13
HS4050302	8	31.5	20	6	8	34	14.5
HS4050303	10	39.5	25	7	10	41	18
HS4050304	12	49	30	9	12	51	22
HS4050305	16	58	34	12	16	59	26
HS4050306	20	70	39	16	20	71	30
HS4050307	22	79	44.5	17.5	22	81	34

Images for illustrative purposes only.

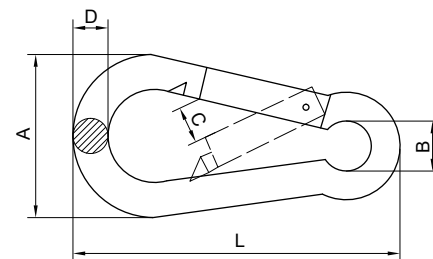
JIS 1169 Stainless Steel Eye Nut



Stock No.	Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	H (mm)	L (mm)
HS4050401	6	26	12	5	6	33	13
HS4050402	8	32	14.5	6	8	39	13.5
HS4050403	10	40	19	7.5	10	48	16.5
HS4050404	12	49	22.5	9.5	12	60	21.5
HS4050405	16	57.5	28	12	16	70	26
HS4050406	20	70	35.5	15	20	81.5	30

Images for illustrative purposes only.

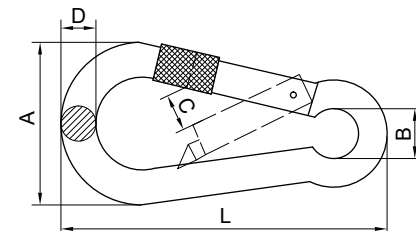
Stainless Steel DIN5299C Snap Hook



Stock No.	Size (mm)	Dimensions(mm)					SWL (lbs)	Net Weight 100pcs (kg)
		A	B	C	D	L		
HS4060101	4x40	20	6	6	4	40	100	0.8
HS4060102	5x50	25	8	7	5	50	160	1.6
HS4060103	6x60	30	9	8	6	60	260	2.5
HS4060104	7x70	35	10	10	7	70	335	4.3
HS4060105	8x80	40	12	11	8	80	400	6.1
HS4060106	9x90	45	15	12	9	90	500	8.8
HS4060107	10x100	50	17	12	10	100	650	12.5
HS4060108	11x120	57	18	19	11	120	700	18.0
HS4060109	12x140	67	20	20	12	140	800	25.0
HS4060110	13x160	74	22	26	13	160	1300	35.7
HS4060111	14x180	86	22	29	14	180	1600	45.5
HS4060112	15x200	90	26	39	15	200	1800	55.6

Images for illustrative purposes only.

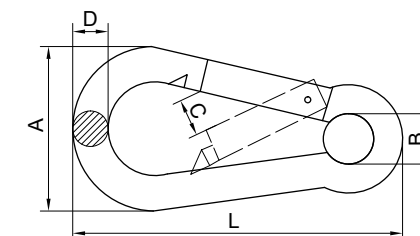
Stainless Steel Snap Hook with Screw



Stock No.	Size (mm)	Dimensions(mm)					SWL (lbs)	Net Weight 100pcs (kg)
		A	B	C	D	L		
HS4060201	5x50	25	8	6	5	50	150	2
HS4060202	6x60	30	9	7	6	60	250	3
HS4060203	7x70	35	10	7.5	7	70	320	4.4
HS4060204	8x80	40	10	8.5	8	80	400	6.8
HS4060205	9x90	45	12	9	9	90	500	9.6
HS4060206	10x100	50	15	10	10	100	650	12.8
HS4060207	11x120	57	17	16	11	120	700	29.1
HS4060208	12x140	67	20	18	12	140	800	25.5
HS4060209	13x160	74	22	23	13	160	1200	36.6
HS4060210	14x180	86	22	29	14	180	1400	51

Images for illustrative purposes only.

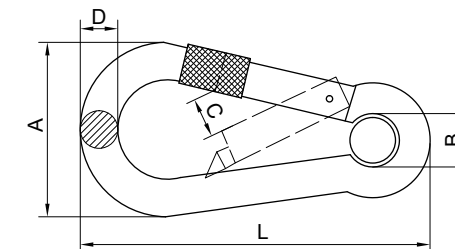
Stainless Steel Snap Hook with Eyelet



Stock No.	Size (mm)	Dimensions(mm)					SWL (lbs)	Net Weight 100pcs (kg)
		A	B	C	D	L		
HS4060301	4x40	20	5	6	4	40	100	0.85
HS4060302	5x50	25	5	7	5	50	160	1.8
HS4060303	6x60	30	5	8	6	60	260	2.6
HS4060304	7x70	35	7	10	7	70	335	5
HS4060305	8x80	40	10	11	8	80	400	6.2
HS4060306	9x90	45	10	12	9	90	500	9.8
HS4060307	10x100	50	13	12	10	100	650	13.4
HS4060308	11x120	57	13	19	11	120	700	19.1
HS4060309	12x140	67	15	20	12	140	800	27.5
HS4060310	13x160	74	17	26	13	160	1300	35.8

Images for illustrative purposes only.

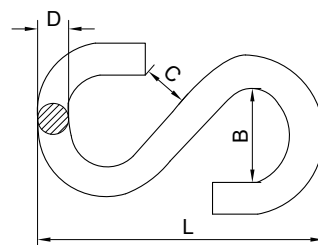
Stainless Steel Snap Hook with Eyelet & Screw



Stock No.	Size (mm)	Dimensions(mm)					SWL (lbs)	Net Weight 100pcs (kg)
		A	B	C	D	L		
HS4060401	5x50	25	5	6	5	50	150	2.1
HS4060402	6x60	30	5	7	6	60	250	3.1
HS4060403	7x70	35	7	7.5	7	70	320	5.04
HS4060404	8x80	40	10	8.5	8	80	400	6.9
HS4060405	9x90	45	10	9	9	90	500	10.6
HS4060406	10x100	50	13	10	10	100	650	13.7
HS4060407	11x120	57	13	16	11	120	700	20.2
HS4060408	12x140	67	15	18	12	140	800	27.2
HS4060409	13x160	74	17	23	13	160	1200	41.4

Images for illustrative purposes only.

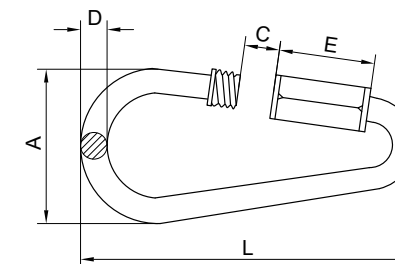
Stainless Steel S Hook



Stock No.	Size (mm)	Dimensions(mm)				Net Weight 100pcs (kg)
		B	C	D	L	
HS4060501	3x25	7	3.5	3	25	0.3
HS4060502	4x35	11	5	4	35	0.7
HS4060503	5x45	14	6	5	45	1.5
HS4060504	6x55	16	7	6	55	2.6
HS4060505	7x65	18	8	7	65	4.4
HS4060506	8x75	23	10	8	75	5.6
HS4060507	10x100	25	13	10	100	12.7
HS4060508	12x120	30	15	12	120	14

Images for illustrative purposes only.

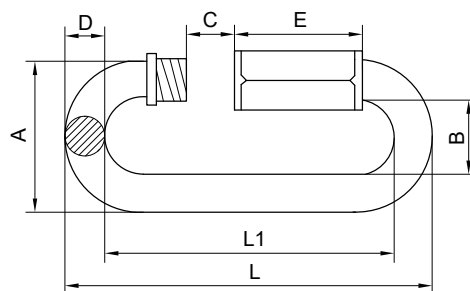
Stainless Steel Pear Shaped Quick Link



Stock No.	Size (mm)	Dimensions(mm)					SWL (lbs)	Net Weight 100pcs(kg)
		A	C	D	L	E		
HS4070201	6	42.8	14	6	80	25	550	5.2
HS4070202	8	50.8	17	8	100	31.5	1210	15.0
HS4070203	10	63.5	20.5	10	117	36	1320	20.0
HS4070204	12	76	23	12	140	43	2425	32.0

Images for illustrative purposes only.

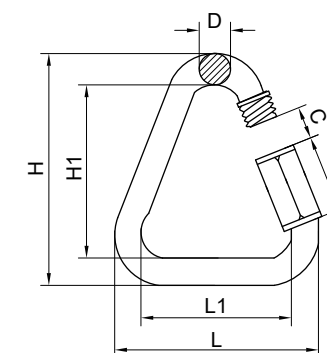
Stainless Steel Common Quick Link



Stock No.	Size (mm)	Dimensions(mm)							Net Weight 100pcs(kg)
		A	B	C	D	L	L1	E	
HS4070101	3.5	17	10	5	3.5	36	29	11	0.8
HS4070102	4	19.5	10	5	4	39.5	31.5	12.5	1.2
HS4070103	5	23	13	8	5	48.5	35.5	16	2.1
HS4070104	6	26.5	14.5	8	6	57	45	19	4.3
HS4070105	7	30	16	10	7	66	52	21.5	4.9
HS4070106	8	33.5	17	11	8	74	58	24	7.5
HS4070107	9	37	19	11	9	80	62	26	10.5
HS4070108	10	40.5	20	14	10	89	69	29	13.5
HS4070109	12	47.5	23.5	14	12	104.5	80.5	33	21.8
HS4070110	14	54.5	23.5	16	14	121	93	38.5	36.9
HS4070111	16	61.5	29	20	16	140	108	45	54.7

Images for illustrative purposes only.

Stainless Steel Delta Shaped Quick Link

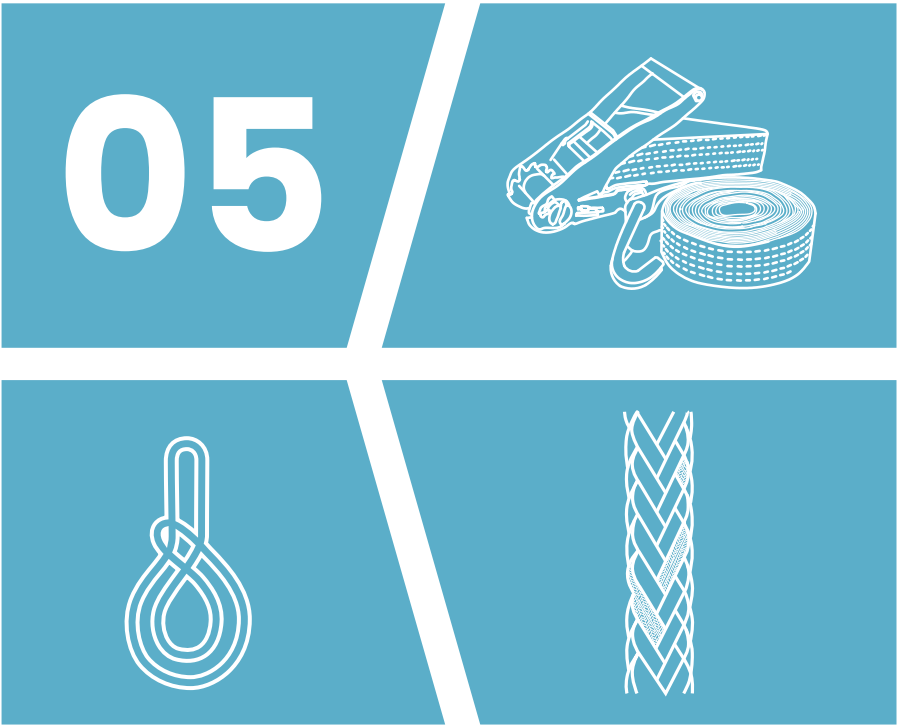


Stock No.	Size (mm)	Dimensions(mm)							SWL (lbs)	Net Weight 100pcs(kg)
		H	H1	C	D	L	L1	E		
HS4070301	3.5	36	29	5	3.5	31.5	24	11	200	0.92
HS4070302	4	40	32	5.5	4	35.5	27.5	12.5	250	1.35
HS4070303	5	48	38	6.5	5	40	30	16	330	2.3
HS4070304	6	56	44	7.5	6	47	35	19	550	4.02
HS4070305	8	73	57	10.5	8	56	40	24	1210	8.97
HS4070306	10	87	67	12	10	66	46	29	1320	15.52
HS4070307	12	104	80	15	12	75	51	33	2425	28.75

Images for illustrative purposes only.

SLING & ROPE

- Lifting Sling
- Ratchet Tie Down
- Rope



SYNTHETIC FIBRE SLING

Sling design conforms to European EN1492-1/2 standard, American ASME B30.9 standard, Australian AS-1353.1 standard and Chinese JB/T8521.1/2 standard. Customers can choose according to their requirements.

THE TYPE OF SLING EYES

Flat eye	
Reversed eye	
Folded eye 1/2 width from one side	
Folded eye 1/2 width from two side	
Folded eye 1/3 width	

RECOMMENDED LOOP EYE LENGTH

Sling Web Width	Suggested Eye Length	Suggested Eye Length	
	One and Two Ply Slings	Three and Four Ply Slings	
25mm	228mm	305mm	
38mm	228mm	305mm	
44mm	228mm	305mm	
51mm	305mm	305mm	
76mm	305mm	457mm	
102mm	355mm	457mm	
127mm	457mm	610mm	
152mm	610mm	610mm	
204mm	610mm	610mm	
254mm	610mm	762mm	
304mm	762mm	914mm	

All webbing slings and round slings are colour -coded:
The same colour designates the same carrying capacity.

Working Load Colour Limit	Colour	Working Load Colour Limit	Colour
500kg	rose	4t	grey
1t	violet	5t	red
1.5t	dark green	6t	brown
2t	green	8t	blue
3t	yellow	+10t	orange

EYE & EYE Webbing Sling



Safety factor: 4:1, 5:1, 6:1, 7:1 According to EN1492-1, JB/T8521-2007

Stock No.	Color	Vertical	Chocker	β			Width(mm)		
				0°-7° 	7°-45° 	45°-60° 	5:1	6:1	7:1
		1.0	0.8	2	1.4	1			
HS5010101	violet	1000	800	2000	1400	1000	25	25	30
HS5010102	green	2000	1600	4000	2800	2000	50	50	60
HS5010103	yellow	3000	2400	6000	4200	3000	75	75	90
HS5010104	yellow	4000	3200	8000	5600	4000	100	100	120
HS5010105	red	5000	4000	10000	7000	5000	125	125	150
HS5010106	brown	6000	4800	12000	8400	6000	150	150	180
HS5010107	blue	8000	6400	16000	11200	8000	200	200	240
HS5010108	orange	10000	8000	20000	14000	10000	250	250	300
HS5010109	orange	12000	9600	24000	16800	12000	300	300	300

Images for illustrative purposes only.

Endless Webbing Sling



Safety factor: 4:1, 5:1, 6:1, 7:1 According to EN1492-1, JB/T8521-2007

Stock No.	Color	Vertical	Chocker	β			Width(mm)		
				0°-7° 	7°-45° 	45°-60° 	5:1	6:1	7:1
		1.0	0.8	2	1.4	1			
HS5010201	violet	1000	800	2000	1400	1000	25	25	30
HS5010202	green	2000	1600	4000	2800	2000	50	50	60
HS5010203	yellow	3000	2400	6000	4200	3000	75	75	90
HS5010204	yellow	4000	3200	8000	5600	4000	100	100	120
HS5010205	red	5000	4000	10000	7000	5000	125	125	150
HS5010206	brown	6000	4800	12000	8400	6000	150	150	180
HS5010207	blue	8000	6400	16000	11200	8000	200	200	240
HS5010208	orange	10000	8000	20000	14000	10000	250	250	300
HS5010209	orange	12000	9600	24000	16800	12000	300	300	300

Images for illustrative purposes only.

Round Sling



Safety factor: 5:1, 6:1, 7:1 According to EN1492-2, JB/T8521-2007

Stock No.	Color	Vertical	Chocker	β		
				0°-7° 	7°-45° 	45°-60° 
		1.0	0.8	2	1.4	1
HS5010301	violet	1000	800	2000	1400	1000
HS5010302	green	2000	1600	4000	2800	2000
HS5010303	yellow	3000	2400	6000	4200	3000
HS5010304	yellow	4000	3200	8000	5600	4000
HS5010305	red	5000	4000	10000	7000	5000
HS5010306	brown	6000	4800	12000	8400	6000
HS5010307	orange	8000	6400	16000	11200	8000
HS5010308	orange	10000	8000	20000	14000	10000
HS5010309	orange	12000	9600	24000	16800	12000

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Standard Duty Ratchet Tie Down



Stock No.	Material	Working Load	Accessory	Color	Breaking Load	Size	Length
HS5020101	Polyester	400kg	PE coated steel S hook	Blue	800kg	1"	2M
HS5020102	Polyester	400kg	PE coated steel S hook	Blue	800kg	1"	3M
HS5020103	Polyester	400kg	PE coated steel S hook	Blue	800kg	1"	5M

Images for illustrative purposes only.

Commercial Duty Ratchet Tie Down US Type



Stock No.	Material	Working Load	Accessory	Color	Breaking Load	Size	Length
HS5020201	Polyester	3333LB	Zinc Plated Steel Flat Hook	Gray	10000LB	2"	27'/30'
HS5020202	Polyester	3333LB	Zinc Plated Double J Wire hook	Yellow	10000LB	2"	27'/30'

Images for illustrative purposes only.

Commercial Duty Ratchet Tie Down European Type



Stock No.	Material	Working Load	Accessory	Color	Breaking Load	Size	Length
HS5020301	Polyester	2500KG	Zinc Plated Double J Wire hook	Yellow	5000KG	2"	8M/10M
HS5020302	Polyester	2500KG	Zinc Plated Double J Wire hook	Orange	5000KG	2"	8M/10M

Images for illustrative purposes only.

End Fittings



Stock No.	5.02.04.01
Size	1"
Breaking Load	800kg

Images for illustrative purposes only.



Stock No.	5.02.04.02
Size	1 1/16"
Breaking Load	1500kg

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Stock No.	5.02.04.03
Size	1 1/2"
Breaking Load	2000kg

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Stock No.	5.02.04.04
Size	2"
Breaking Load	5000kg

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Stock No.	5.02.04.05
Size	3"
Breaking Load	10000kg

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Stock No.	5.02.04.06
Size	4"
Breaking Load	10000kg

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Stock No.	5.02.04.07
Size	1"
Breaking Load	800-1500kg
Surface	Dipping Plastic

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Stock No.	5.02.04.08
Size	1 1/2"-2"
Breaking Load	3000-5000kg
Surface	Galv.

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Stock No.	5.02.04.09
Size	1"-4"
Breaking Load	800-10000kg
Surface	Galv.

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Stock No.	5.02.04.10
Size	1 1/16"-3"
Breaking Load	1500-10000kg
Surface	Galv.

Images for illustrative purposes only.



Stock No.	5.02.04.11
Size	1 1/2"-4"
Breaking Load	3000-10000kg
Surface	Galv.

Images for illustrative purposes only.



Stock No.	5.02.04.12
Size	2"-4"
Breaking Load	10000-17000kg
Surface	Galv.

Images for illustrative purposes only.

HMPE Rope



Structure: 8/12 Strand Color: Blue / Orange / Yellow
Made of HMPE fiber, through special treatment,very high break strength and light weight,break strength is 1.5 times higher than same size wire rope but weight is super light, around 1/8 of same size wire rope.
Specific Gravity: 0.97g/m³
Melting Point: 145°C
Breaking Elongation: < 4%
Abrasion Resistance: Very Good
Chemical Resistance: Very Good
UV Resistance: Very Good
Water Absorption: 0%
Wet-dry Strength Ratio: 100%
Bespoke diameter and length is available.

Stock No.	Size (mm)	Circ. (mm)	Weight		BS kN	
			G/M	Kg/220m	Unsplice	Splice
HS5030101	6	18.8	23	5.1	40	36
HS5030102	8	25.1	40	8.8	69	62
HS5030103	10	31.4	61	13.4	105	95
HS5030104	12	37.7	87	19.1	150	135
HS5030105	14	44	117	25.7	200	180
HS5030106	16	50.2	151	33.2	255	230
HS5030107	18	56.5	190	41.8	315	285
HS5030108	20	62.8	232	51	380	340
HS5030109	22	69.1	281	61.8	450	405
HS5030110	24	75.4	331	72.8	520	470
HS5030111	26	81.6	384	84.5	600	540
HS5030112	28	87.9	445	97.9	685	615
HS5030113	30	94.2	506	111.3	775	700
HS5030114	32	100.5	575	126.5	865	780
HS5030115	36	113	720	158.4	1070	965
HS5030116	40	125.6	881	193.8	1285	1155
HS5030117	44	138.2	1060	233.2	1525	1375
HS5030118	48	150.7	1250	275	1775	1600
HS5030119	52	163.3	1460	321.2	2045	1840
HS5030120	56	175.8	1690	371.8	2330	2095
HS5030121	60	188.4	1930	424.6	2635	2370
HS5030122	64	201	2200	484	2950	2655
HS5030123	68	213.5	2480	545.6	3285	2955
HS5030124	72	226.1	2780	611.6	3635	3270
HS5030125	76	238.6	3090	679.8	4000	3600
HS5030126	80	251.2	3430	754.6	4375	3940
HS5030127	88	276.3	4170	917.4	5180	4660
HS5030128	96	301.4	4970	1093.4	6040	5435
HS5030129	100	314	5151	1133.2	6495	5845
HS5030130	104	326.6	5555	1222.1	6960	6265
HS5030131	108	339.1	5973	1314.1	7440	6695
HS5030132	112	351.7	6404	1408.9	7935	7140
HS5030133	116	364.2	6854	1507.9	8440	7595
HS5030134	120	376.8	7316	1609.5	8960	8065

Images for illustrative purposes only.

Polyamid Rope/Nylon Rope



Structure: 8/12 Strand
Made of polyamid fiber, the rope has good shock-absorption capacities and widely use in ship towing.
Specific Gravity: 0.97g/cm³
Melting Point: 215°C
Breaking Elongation: 15%-28%
Abrasion Resistance: Very Good
Chemical Resistance: Very Good
UV Resistance: Very Good
Water Absorption: 4%
Wet-dry Strength Ratio: Dry > Wet
Bespoke diameter and length is available.

Stock No.	Size (mm)	Circ. (mm)	Weight		BS kN			
			G/M	Kg/220m	Unsplice	Splice	Unsplice	Splice
HS5030201	12	38	90	20	30	27	31.5	28.4
HS5030202	16	50	160	35	53	47.7	56	50.4
HS5030203	20	63	250	55	80	72	85	76.5
HS5030204	24	75	360	79	112	101	118	106
HS5030205	28	88	490	108	150	135	160	144
HS5030206	30	94	560	123	170	153	180	162
HS5030207	32	101	640	141	200	178	212	191
HS5030208	36	113	810	178	250	225	265	239
HS5030209	40	126	1000	220	300	270	315	284
HS5030210	44	138	1210	266	355	320	375	338
HS5030211	48	151	1440	317	425	383	450	405
HS5030212	52	163	1700	374	500	450	530	477
HS5030213	56	176	1970	433	560	504	600	540
HS5030214	60	188	2260	497	630	567	670	603
HS5030215	64	201	2570	565	710	639	750	675
HS5030216	72	226	3250	715	900	810	950	855
HS5030217	80	251	4010	882	1120	1008	1180	1062
HS5030218	88	276	4860	1069	1320	1188	1400	1260
HS5030219	96	302	5780	1271	1600	1440	1700	1530
HS5030220	104	327	6780	1491	1800	1620	1900	1710
HS5030221	112	352	7870	1731	2120	1908	2240	2016
HS5030222	120	377	9030	1987	2360	2124	2500	2250
HS5030223	128	402	10100	2222	2650	2385	2800	2520
HS5030224	136	427	11600	2552	3000	2700	3150	2835
HS5030225	144	452	13000	2860	3350	3015	3550	3195
HS5030226	160	503	16100	3542	4250	3825	4500	4050

Images for illustrative purposes only.

Polyester Rope



Structure: 8/12 Strand
High-tenacity polyester fiber makes ropes have very good break strength and finest durability, it's wide use in mooring industry.

Specific Gravity: 1.38-1.44g/cm³
Melting Point: 250-260°C
Breaking Elongation: 12%-21%
Abrasion Resistance: Very Good
Chemical Resistance: Very Good
UV Resistance: Very Good
Water Absorption: 0.4%
Wet-dry Strength Ratio: Dry ≈ Wet
Bespoke diameter and length is available.

Stock No.	Size (mm)	Circ. (mm)	Weight		BS kN			
			G/M	Kg/220m	Unsplice	Splice	Unsplice	Splice
HS5030301	12	38	109	24	26	23	29	26
HS5030302	16	50	194	43	46	40	49	44
HS5030303	20	63	304	67	72	65	77	69
HS5030304	24	75	437	96	100	92	109	98
HS5030305	28	88	595	131	130	120	144	130
HS5030306	30	94	683	150	150	137	161	145
HS5030307	32	101	777	171	170	155	184	165
HS5030308	36	113	984	216	210	195	230	210
HS5030309	40	126	1210	266	270	240	288	255
HS5030310	44	138	1470	323	320	290	345	311
HS5030311	48	151	1750	385	380	345	408	365
HS5030312	52	163	2050	451	450	410	489	440
HS5030313	56	176	2380	524	515	460	546	490
HS5030314	60	189	2730	601	540	518	610	545
HS5030315	64	201	3110	684	620	580	690	620
HS5030316	72	226	3930	865	800	730	863	770
HS5030317	80	251	4860	1069	1000	900	1090	980
HS5030318	88	276	5880	1294	1200	1050	1250	1150
HS5030319	96	302	6990	1538	1400	1280	1510	1350
HS5030320	104	327	8210	1806	1700	1550	1840	1650
HS5030321	112	352	9520	2094	1950	1750	2070	1850
HS5030322	120	377	10900	2398	2150	1950	2300	2050
HS5030323	128	402	12400	2728	2550	2300	2710	2400
HS5030324	136	427	14000	3080	2850	2550	3020	2700
HS5030325	144	452	15700	3454	3200	2850	3450	3100
HS5030326	160	503	19400	4268	3800	3450	4050	3650

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Popypropylene Rope



Structure: 8/12 Strand
Light weight mooring line, very easy to handle , keep same strength in wet or dry environment.

Specific Gravity: 0.91-0.93g/cm³
Melting Point: 165°C
Breaking Elongation: 12%-20%
Abrasion Resistance: Normal
Chemical Resistance: Very Good
UV Resistance: Normal
Water Absorption: 0%
Wet-dry Strength Ratio: Dry ≈ Wet
Bespoke diameter and length is available.

Stock No.	Size (mm)	Circ. (mm)	Weight		BS kN			
			G/M	Kg/220m	Unsplice	Splice	Unsplice	Splice
HS5030401	12	38	65	14	21.2	19.2	22.4	20.2
HS5030402	16	50	116	26	33.5	30.2	35.5	32
HS5030403	20	63	181	40	53	47.7	56	50.4
HS5030404	24	75	260	57	75	67.5	80	72
HS5030405	28	88	354	78	100	90	106	95.4
HS5030406	30	94	407	90	112	101	118	106
HS5030407	32	101	463	102	132	119	140	126
HS5030408	36	113	586	129	160	144	170	153
HS5030409	40	126	723	159	200	180	210	189
HS5030410	44	138	875	193	236	212	250	225
HS5030411	48	151	1040	229	280	252	300	270
HS5030412	52	163	1220	268	335	302	355	320
HS5030413	56	176	1420	312	375	338	400	360
HS5030414	60	188	1630	359	425	383	450	405
HS5030415	64	201	1850	407	475	428	500	450
HS5030416	72	226	2340	515	600	540	630	567
HS5030417	80	251	2890	636	750	675	800	720
HS5030418	88	276	3500	770	900	810	950	855
HS5030419	96	302	4170	917	1060	954	1120	1008
HS5030420	104	327	4890	1076	1250	1125	1320	1188
HS5030421	112	352	5670	1247	1400	1260	1500	1350
HS5030422	120	377	6510	1432	1600	1440	1700	1530
HS5030423	128	402	7410	1630	1900	1710	2000	1800
HS5030424	136	427	8360	1839	2120	1908	2240	2016
HS5030425	144	452	9370	2061	2360	2124	2500	2250
HS5030426	160	503	11600	2552	2800	2520	3000	2700

Images for illustrative purposes only.

Polyester and Polypropylene Mixed Rope



Structure: 8/12 Strand
Updated products of polyester and polypropylene, its superior to pure polyester or polypropylene only, lighter weight than polyester and stronger break strength than polypropylene, this rope is smooth, non-rotational and excellent coefficient of friction.

Specific Gravity: 0.99g/cm³
Melting Point: 165-260°C
Abrasion Resistance: Very Good
Chemical Resistance: Very Good
UV Resistance: Very Good
Water Absorption: 0.1%
Wet-dry Strength Ratio: Dry ≈ Wet
Bespoke diameter and length is available.

Stock No.	Size (mm)	Circ. (mm)	Normal				HBS			
			Weight		BS kN		Weight		BS kN	
			G/M	kg/220m	Unsplice	Splice	G/M	kg/220m	Unsplice	Splice
HS5030501	12	38	70	15	26	23	80	18	28	25
HS5030502	14	44	95	21	35	31	108	24	38	34
HS5030503	16	50	124	27	45	40	142	31	49	44
HS5030504	18	57	157	35	56	51	179	39	62	56
HS5030505	20	63	194	43	69	62	221	49	76	68
HS5030506	22	69	235	52	82	74	268	59	90	81
HS5030507	24	75	279	61	96	87	319	70	106	95
HS5030508	26	82	328	72	113	102	374	82	124	112
HS5030509	28	88	380	84	130	117	434	95	143	129
HS5030510	30	94	437	96	148	133	498	110	163	146
HS5030511	32	101	497	109	167	150	566	125	184	165
HS5030512	36	113	629	138	210	189	717	158	231	208
HS5030513	40	126	776	171	257	231	885	195	283	254
HS5030514	44	138	939	207	308	277	1070	235	339	305
HS5030515	48	151	1110	244	364	328	1270	279	400	361
HS5030516	52	163	1320	290	424	382	1500	330	466	420
HS5030517	56	176	1520	334	489	440	1730	381	538	484
HS5030518	60	188	1750	385	558	502	1990	438	614	552
HS5030519	64	201	1990	438	631	568	2270	499	694	625
HS5030520	68	214	2250	495	707	636	2560	563	778	700
HS5030521	72	226	2520	554	789	710	2870	631	868	781
HS5030522	80	251	3110	684	963	867	3540	779	1059	954
HS5030523	88	276	3750	825	1160	1040	4280	942	1276	1144
HS5030524	96	301	4470	983	1370	1230	5100	1122	1507	1353
HS5030525	104	327	5260	1157	1590	1430	6000	1320	1749	1573
HS5030526	112	352	6050	1331	1840	1660	6900	1518	2024	1826
HS5030527	120	377	6980	1536	2100	1890	7960	1751	2310	2079
HS5030528	128	402	7950	1749	2370	2130	9060	1993	2607	2343
HS5030529	136	427	8950	1969	2660	2390	10200	2244	2926	2629
HS5030530	144	452	10100	2222	2970	2670	11500	2530	3267	2937
HS5030531	152	477	11300	2486	3290	2960	12800	2816	3619	3256
HS5030532	160	502	12500	2750	3630	3270	14200	3124	3993	3597

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Offshore Rope



Structure: Multi- Layer
This special rope mainly used for offshore industry like platformstation-keeping,the rope usually produced with multi-layer technology,including external jacket、 filtration and inner core. The rope design and produce must be based on specific working condition

Abrasion Resistance: Excellent
Chemical Resistance: Excellent
UV Resistance: Excellent
Tension Fatigue: Excellent
Bespoke diameter and length is available

Stock No.	Size (mm)	Circ. (mm)	MBS kN			
			HMPE Core	Aramid Core	LCP Core	Polyester Core
HS5030601	118	371	9000	5600	5600	3920
HS5030602	132	415	11200	7000	7000	4900
HS5030603	150	471	14000	8700	8700	6180
HS5030604	160	503	16000	10000	10000	6960
HS5030605	170	534	18000	11200	11200	7850
HS5030606	180	565	20000	12500	12500	8830
HS5030607	190	597	22000	13000	14000	9810
HS5030608	200	628	24000	15000	15500	11000
HS5030609	212	666	27000	17000	17000	12300
HS5030610	224	704	30000	19000	19000	13700
HS5030611	236	741	33000	21000	21000	15700
HS5030612	250	785	38000	23000	23000	17700
HS5030613	265	833	42000	26000	26000	19600
HS5030614	280	880	47000	29000	29000	21000

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Single Point Mooring Rope



Structure: 8/12 Strand or inner core with jacket
Made of polyamid fiber, inner core with out jacket make the rope has good shock-absorption and abrasion resistance. Put special coating and metal accessory on rope ends and plus oat foam, Production according to OCIMF 2000 Guide-line.
Specific Gravity: 1.14g/cm³
Melting Point: 215°C
Breaking Elongation: 15%-28%
Abrasion Resistance: Very Good
Chemical Resistance: Very Good
UV Resistance: Very Good
Floatable
Bespoke diameter and length.

Stock No.	Size (mm)	Circ. (mm)	Weight (g/m)	Single Leg BS kN	Grommet BS kN
HS5030701	72	226	3330	1196	2033
HS5030702	80	251	4000	1441	2465
HS5030703	88	276	4800	1715	2916
HS5030704	96	301	5740	2029	3465
HS5030705	104	327	6880	2401	4082
HS5030706	112	352	7880	2744	4665
HS5030707	120	377	9290	3185	5415
HS5030708	128	402	10380	3548	6047
HS5030709	136	427	12000	4087	6963
HS5030710	144	452	13320	4508	7664
HS5030711	152	477	14630	4900	8330
HS5030712	160	502	16230	5390	9163
HS5030713	168	528	17900	5929	10079
HS5030714	176	553	19800	6586	11212
HS5030715	180	565	20410	6733	11451

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3-4 Strands Rope



Structure: 3/4 Strand
It has serial products including varieties of nylon, polypropylene filament, polypropylene, polypropylene polyester mixed, polyester. All products have wide range of application as well as advantages of high strength, Low elongation, wearing resistance and anti-corrosion. They are soft, smooth and easy for operation. Meanwhile products can be used to make special anti-static rope. All products are mainly used in various fields of ships and vessels, fishing, loading and unloading in harbor, power supply construction, petroleum survey, physical exercise wares, national defense scientific and research etc.
Length Per Coil: 220m
Spliced Strength: ±10% lower
Weight and Length Tolerance: ±5%
MBL= minium breaking load (ISO 2307 standard)
Other sizes can be customized.

Stock No.	Specification		Multifilament		PP/Multifilament		Polyethylene Multifilament		Polyester	
	Dia.	Circ. mm	g/m	KN	g/m	KN	g/m	KN	g/m	KN
HS5030801	4	12.6	10	3.7	6.3	2.3	7.2	2.5	12	2.9
HS5030802	6	18.8	22	7.9	18	6.5	16.3	5.4	27	5.6
HS5030803	8	25.1	40	13.8	32	11.4	28.9	9	48	10
HS5030804	10	31.4	62	21.2	47	16.8	45.2	13.5	76	15.6
HS5030805	12	37.7	89	30.1	68	23.9	65.1	19.1	110	22.3
HS5030806	14	44.0	121	40.0	95	32.9	88.6	25.2	148	31.2
HS5030807	16	50.2	158	51.9	121	40.7	116	33.8	195	39.8
HS5030808	18	56.5	200	64.3	155	51.9	146	40.5	245	49.8
HS5030809	20	62.8	247	79.2	189	62.6	181	50.4	303	62.3
HS5030810	22	69.1	299	94.0	231	75	219	60.3	367	74.7
HS5030811	24	75.4	355	112	273	87.7	260	72	437	89.6
HS5030812	26	81.6	417	129	320	101	306	81	512	105
HS5030813	28	87.9	484	149	373	115	354	95.4	594	120
HS5030814	30	94.2	555	169	425	132	407	106	682	134
HS5030814	32	100.5	632	192	483	146	463	119	778	154
HS5030814	36	113.0	800	240	614	182	586	153	982	190
HS5030814	40	125.6	987	294	756	221	723	180	1215	235
HS5030814	44	138.2	1190	351	924	266	875	225	1468	275
HS5030814	48	150.7	1420	412	1092	308	1040	252	1750	329
HS5030814	52	163.3	1670	479	1281	357	1220	302	2050	384
HS5030814	56	175.8	1930	550	1491	408	1420	338	2380	439

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HMPE Chafe Guard Protection/HMPE Overbraid Protection



The special coating enhances the abrasion resistance and further helps reduce internal and external fiber damage accumulated by the core rope. Offer excellent chafe protection for the ropes.

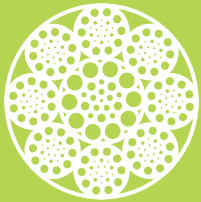
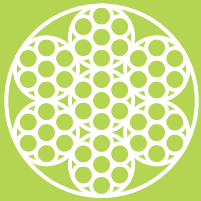
Stock No.	Protection Size (mm)	Rope Size (mm)
HS5030901	S	Under 40mm
HS5030902	M	40-60mm
HS5030903	L	60-80mm
HS5030904	XL	80-100mm

Images for illustrative purposes only.

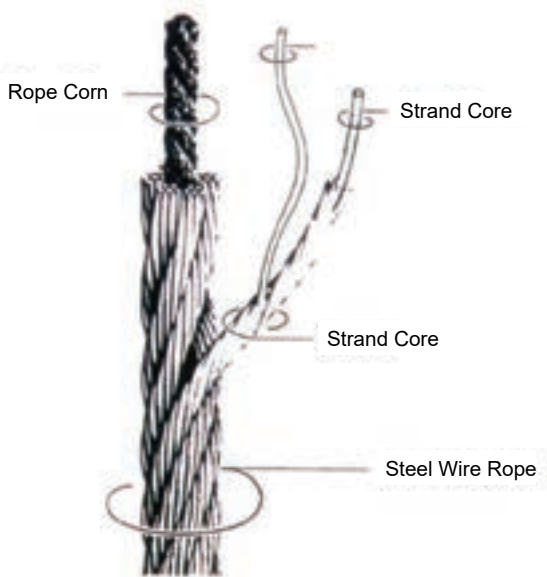
WIRE ROPE

- Wire Rope

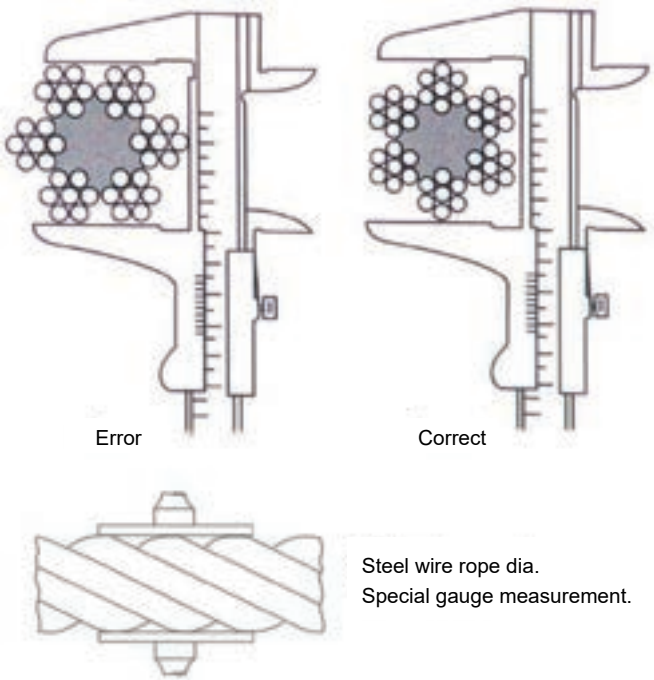
06



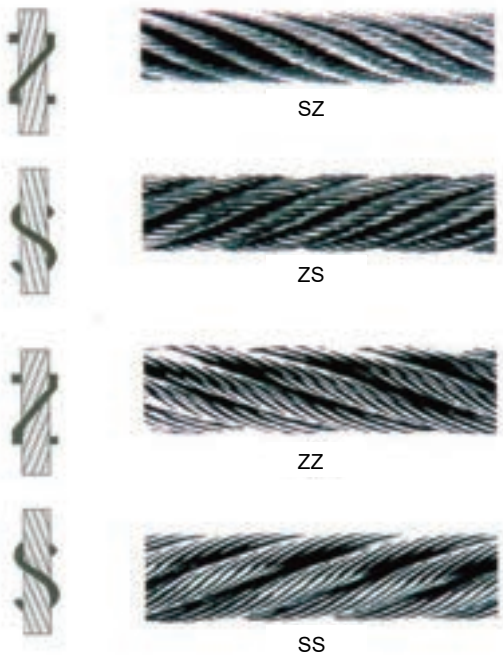
GENERAL INFORMATION ON WIRE ROPES



What's Steel Wire Rope? It is construction formed by a certain number of steel one layer or multilayer strand winding into spiral type. Under some conditions, sub-thread named as rope also.



TYPE AND DIRECTION OF LAY

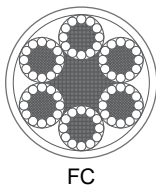


Main type of wire rope	Typical structure
	6×19 6×37 6×24
	6×19S\6×19W 6×25Fi\6×29Fi 6×26WS\6×31WS 6×36WS 6×37S
	6V19 6V30 6V34 6V37 6V37S
	6×K25Fi 6×K19S\6×K36WS 8×K26WS\8×K31WS 18×K7\18×K19S 35(W)×K7\40(W)×K7

6×7

Stock No.	Nominal rope		Nominal tensile strength (MPa)											
			Minimum breaking load (kN)											
	Size		FC				WSC (≤7mmWSC)				IWRC (>7mmIWRC)			
			kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²	kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²	kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²
HS6010101	3		3.10	5.39	5.97	6.58	3.52	6.30	6.98	7.69	3.52	6.30	6.98	7.69
HS6010102	4		5.50	9.59	10.6	11.7	6.25	11.2	12.4	13.7	6.25	11.2	12.4	13.7
HS6010103	5		8.60	15.0	16.6	18.3	9.77	17.5	19.4	21.4	9.77	17.5	19.4	21.4
HS6010104	6		12.4	21.6	23.9	26.3	14.1	25.2	27.9	30.8	14.1	25.2	27.9	30.8
HS6010105	6.35	1/4	13.9	24.2	26.8	29.5	15.8	28.2	31.3	34.5	15.8	28.2	31.3	34.5
HS6010106	7		16.9	29.4	32.5	35.8	19.2	34.3	38.0	41.9	19.2	34.3	38.0	41.9
HS6010107	7.94	5/16	21.7	37.8	41.8	46.1	25.2	40.9	45.2	49.9	25.2	40.9	45.2	49.9
HS6010108	8		22.0	38.4	42.5	46.8	25.6	41.5	45.9	50.6	25.6	41.5	45.9	50.6
HS6010109	9		27.9	48.6	53.8	59.2	32.4	52.5	58.1	64.1	32.4	52.5	58.1	64.1
HS6010110	9.5	3/8	31.0	54.1	59.9	66.0	36.1	58.5	64.8	71.4	36.1	58.5	64.8	71.4
HS6010111	10		34.4	59.9	66.4	73.1	40.0	64.8	71.8	79.1	40.0	64.8	71.8	79.1
HS6010112	11		41.6	72.5	80.3	88.5	48.4	78.4	86.8	95.7	48.4	78.4	86.8	95.7
HS6010113	11.1	7/16	42.4	73.9	81.8	90.1	49.3	79.9	88.4	97.5	49.3	79.9	88.4	97.5
HS6010114	12		49.5	86.3	95.6	105	57.6	93.3	103	114	57.6	93.3	103	114
HS6010115	12.7	1/2	55.5	96.7	107	118	64.5	105	116	128	64.5	105	116	128
HS6010116	13		58.1	101	112	124	67.6	110	121	134	67.6	110	121	134
HS6010117	14		67.4	117	130	143	78.4	127	141	155	78.4	127	141	155
HS6010118	14.3	9/16	70.3	123	136	150	81.8	133	147	162	81.8	133	147	162
HS6010119	15.9	5/8	87.0	152	168	185	101	164	181	200	101	164	181	200
HS6010120	16		88.1	153	170	187	102	166	184	202	102	166	184	202
HS6010121	18		111	194	215	237	130	210	233	256	130	210	233	256
HS6010122	19		124	216	240	264	144	234	259	286	144	234	259	286
HS6010123	19.1	3/4	125	219	242	267	146	236	262	289	146	236	262	289
HS6010124	20		138	240	265	293	160	259	287	316	160	259	287	316
HS6010125	22		166	290	321	354	194	314	347	383	194	314	347	383
HS6010126	22.2	7/8	170	295	327	360	197	319	354	390	197	319	354	390
HS6010127	24		198	345	382	421	230	373	413	456	230	373	413	456
HS6010128	25.4	1	222	387	428	472	258	418	463	510	258	418	463	510
HS6010129	26		233	405	449	494	270	438	485	535	270	438	485	535
HS6010130	28		270	470	520	573	314	508	563	620	314	508	563	620
HS6010131	28.6	1 1/8	281	490	543	598	327	530	587	647	327	530	587	647
HS6010132	31.8	1 1/4	348	606	671	740	404	655	726	800	404	655	726	800
HS6010133	32		352	614	680	749	410	664	735	810	410	664	735	810
HS6010134	34.9	1 3/8	419	730	808	891	487	789	874	963	487	789	874	963
HS6010135	35		421	734	813	896	490	794	879	969	490	794	879	969
HS6010136	36		446	777	860	948	518	840	930	1025	518	840	930	1025
HS6010137	38		497	866	958	1056	578	936	1036	1142	578	936	1036	1142
HS6010138	38.1	1 1/2	499	870	963	1062	581	941	1042	1148	581	941	1042	1148
HS6010139	40		550	959	1062	1170	640	1037	1148	1266	640	1037	1148	1266
HS6010140	41.3	1 5/8	587	1022	1132	1248	682	1106	1224	1349	682	1106	1224	1349
HS6010141	44		666	1160	1285	1416	774	1255	1389	1531	774	1255	1389	1531
HS6010142	44.5	1 3/4	681	1187	1314	1448	792	1283	1421	1566	792	1283	1421	1566
HS6010143	45		697	1214	1344	1481	810	1312	1453	1602	810	1312	1453	1602
HS6010144	47.6	1 7/8	779	1358	1504	1657	906	1469	1626	1792	906	1469	1626	1792
HS6010145	48		793	1381	1529	1685	922	1493	1654	1822	922	1493	1654	1822
HS6010146	50.8	2	888	1547	1713	1888	1032	1673	1852	2041	1032	1673	1852	2041
HS6010147	51		895	1559	1726	1903	1040	1686	1867	2057	1040	1686	1867	2057
HS6010148	52		930	1621	1795	1978	1081	1753	1941	2139	1081	1753	1941	2139
HS6010149	54	2 1/8	1003	1748	1935	2133	1166	1890	2093	2306	1166	1890	2093	2306
HS6010150	56		1079	1880	2081	2294	1254	2033	2251	2480	1254	2033	2251	2480
HS6010151	57.2	2 1/4	1126	1961	2172	2393	1309	2121	2348	2588	1309	2121	2348	2588
HS6010152	60		1238	2158	2389	2633	1440	2333	2584	2847	1440	2333	2584	2847
HS6010153	60.3	2 3/8	1251	2179	2413	2660	1454	2357	2610	2876	1454	2357	2610	2876
HS6010154	62		1322	2304	2551	2812	1537	2491	2759	3040	1537	2491	2759	3040
HS6010155	63.5	2 1/2	1387	2417	2676	2949	1613	2613	2894	3189	1613	2613	2894	3189
HS6010156	64		1409	2455	2719	2996	1638	2655	2940	3240	1638	2655	2940	3240

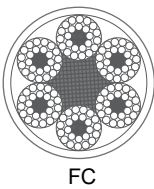
6×12FC-FC



Stock No.	Nominal rope		Nominal tensile strength (MPa)			
			Minimum breaking load (kN)			
	Size		FC			
			kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²
HS6010201	3		2.16	3.40	3.76	4.14
HS6010202	4		3.84	6.04	6.69	7.37
HS6010203	5		6.00	9.43	10.4	11.5
HS6010204	6		8.64	13.6	15.0	16.6
HS6010205	6.35	1/4	9.68	15.2	16.8	18.6
HS6010206	7		11.8	18.5	20.5	22.6
HS6010207	7.94	5/16	15.1	23.8	26.3	29.0
HS6010208	8		15.4	24.1	26.7	29.5
HS6010209	9		19.4	30.6	33.8	37.3
HS6010210	9.5	3/8	21.7	34.1	37.7	41.6
HS6010211	10		24.0	37.7	41.8	46.0
HS6010212	11		29.0	45.7	50.6	55.7
HS6010213	11.1	7/16	29.6	46.5	51.5	56.7
HS6010214	12		34.6	54.3	60.2	66.3
HS6010215	12.7	1/2	38.7	60.9	67.4	74.3
HS6010216	13		40.6	63.8	70.6	77.8
HS6010217	14		47.0	74.0	81.9	90.3
HS6010218	14.3	9/16	49.1	77.2	85.4	94.2
HS6010219	15.9	5/8	60.7	95.4	106	116
HS6010220	16		61.4	96.6	107	118
HS6010221	18		77.8	122	135	149
HS6010222	19		86.6	136	151	166
HS6010223	19.1	3/4	87.6	138	152	168
HS6010224	20		96.0	151	167	184
HS6010225	22		116	183	202	223
HS6010226	22.2	7/8	118	186	206	227
HS6010227	24		138	217	241	265
HS6010228	25.4	1	155	243	270	297
HS6010229	26		162	255	282	311
HS6010230	28		188	296	328	361
HS6010231	28.6	1 1/8	196	309	342	377
HS6010232	31.8	1 1/4	243	382	423	466
HS6010233	32		246	386	428	472
HS6010234	34.9	1 3/8	292	460	509	561
HS6010235	35		294	462	512	564
HS6010236	36		311	489	542	597
HS6010237	38		347	545	603	665
HS6010238	38.1	1 1/2	348	548	607	668
HS6010239	40		384	604	669	737
HS6010240	41.3	1 5/8	409	644	713	785
HS6010241	44		465	731	809	891
HS6010242	44.5	1 3/4	475	747	827	912
HS6010243	45		486	764	846	932
HS6010244	47.6	1 7/8	544	855	947	1043
HS6010245	48		553	869	963	1061

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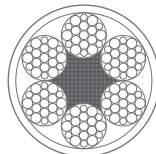
6×24MFC-FC



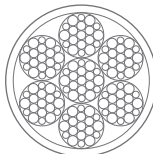
Stock No.	Nominal rope		Nominal tensile strength (MPa)		
			Minimum breaking load (kN)		
	Size		FC		
			kg/100m	1770 N/mm²	1960 N/mm²
HS6010301	3		2.89	4.55	5.04
HS6010302	4		5.14	8.09	8.96
HS6010303	5		8.03	12.6	14.0
HS6010304	6		11.6	18.2	20.2
HS6010305	6.35	1/4	13.0	20.4	22.6
HS6010306	7		15.7	24.8	27.4
HS6010307	7.94	5/16	20.2	31.9	35.3
HS6010308	8		20.6	32.4	35.8
HS6010309	9		26.0	40.9	45.3
HS6010310	9.5	3/8	29.0	45.6	50.5
HS6010311	10		32.1	50.6	56.0
HS6010312	11		38.9	61.2	67.7
HS6010313	11.1	7/16	39.6	62.3	69.0
HS6010314	12		46.2	72.8	80.6
HS6010315	12.7	1/2	51.8	81.5	90.3
HS6010316	13		54.3	85.4	94.6
HS6010317	14		63.0	99.1	110
HS6010318	14.3	9/16	65.7	103	114
HS6010319	15.9	5/8	81.2	128	142
HS6010320	16		82.2	129	143
HS6010321	18		104	164	181
HS6010322	19		116	182	202
HS6010323	19.1	3/4	117	184	204
HS6010324	20		128	202	224
HS6010325	22		155	245	271
HS6010326	22.2	7/8	158	249	276
HS6010327	24		185	291	322
HS6010328	25.4	1	207	326	361
HS6010329	26		217	342	378
HS6010330	28		252	396	439
HS6010331	28.6	1 1/8	263	413	458
HS6010332	31.8	1 1/4	325	511	566
HS6010333	32		329	518	573
HS6010334	34.9	1 3/8	391	616	682
HS6010335	35		393	619	686
HS6010336	36		416	655	725
HS6010337	38		464	730	808
HS6010338	38.1	1 1/2	466	734	813
HS6010339	40		514	809	896
HS6010340	41.3	1 5/8	548	862	955
HS6010341	44		622	979	1084
HS6010342	44.5	1 3/4	636	1001	1108
HS6010343	45		650	1024	1134
HS6010344	47.6	1 7/8	728	1145	1268
HS6010345	48		740	1165	1290

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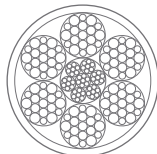
6×19M



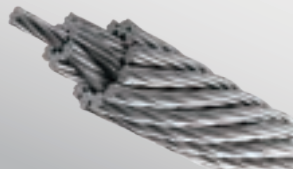
FC



WSC



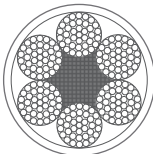
IWRC



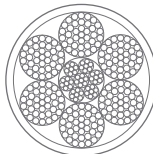
Stock No.	Nominal rope		Nominal tensile strength (MPa)											
			Minimum breaking load (kN)											
	Size		FC				WSC (≤7mmWSC)				IWRC (>7mmIWRC)			
			kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²	kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²	kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²
HS6010401	3		3.14	5.36	5.94	6.54	3.80	5.78	6.41	7.06	3.80	5.78	6.41	7.06
HS6010402	4		5.58	9.53	10.6	11.6	6.75	10.3	11.4	12.5	6.75	10.3	11.4	12.5
HS6010403	5		8.73	14.9	16.5	18.2	10.6	16.1	17.8	19.6	10.6	16.1	17.8	19.6
HS6010404	6		12.6	21.4	23.8	26.2	15.2	23.1	25.6	28.2	15.2	23.1	25.6	28.2
HS6010405	6.35	1/4	14.1	24.0	26.6	29.3	17.0	25.9	28.7	31.6	17.0	25.9	28.7	31.6
HS6010406	7		17.1	29.2	32.3	35.6	20.7	31.5	34.9	38.4	20.7	31.5	34.9	38.4
HS6010407	7.94	5/16	22.0	37.6	41.6	45.8	26.6	40.5	44.9	49.4	26.6	40.5	44.9	49.4
HS6010408	8		22.3	38.1	42.2	46.5	27.0	41.1	45.5	50.2	27.0	41.1	45.5	50.2
HS6010409	9		28.3	48.3	53.4	58.9	34.2	52.1	57.6	63.5	34.2	52.1	57.6	63.5
HS6010410	9.5	3/8	31.5	53.8	59.5	65.6	38.1	58.0	64.2	70.8	38.1	58.0	64.2	70.8
HS6010411	10		34.9	59.6	66.0	72.7	42.2	64.3	71.2	78.4	42.2	64.3	71.2	78.4
HS6010412	11		42.2	72.1	79.8	88.0	51.1	77.8	86.1	94.9	51.1	77.8	86.1	94.9
HS6010413	11.1	7/16	43.0	73.4	81.3	89.6	52.0	79.2	87.7	96.6	52.0	79.2	87.7	96.6
HS6010414	12		50.3	85.8	95.0	105	60.8	92.6	102	113	60.8	92.6	102	113
HS6010415	12.7	1/2	56.3	96.1	106	117	68.1	104	115	127	68.1	104	115	127
HS6010416	13		59.0	101	111	123	71.3	109	120	133	71.3	109	120	133
HS6010417	14		68.4	117	129	143	82.7	126	139	154	82.7	126	139	154
HS6010418	14.3	9/16	71.4	122	135	149	86.3	131	146	160	86.3	131	146	160
HS6010419	15.9	5/8	88.2	151	167	184	107	162	180	198	107	162	180	198
HS6010420	16		89.3	153	169	186	108	165	182	201	108	165	182	201
HS6010421	18		113	193	214	236	137	208	231	254	137	208	231	254
HS6010422	19		126	215	238	262	152	232	257	283	152	232	257	283
HS6010423	19.1	3/4	127	217	241	265	154	234	260	286	154	234	260	286
HS6010424	20		140	238	264	291	169	257	285	314	169	257	285	314
HS6010425	22		169	288	319	352	204	311	344	380	204	311	344	380
HS6010426	22.2	7/8	172	294	325	358	208	317	351	387	208	317	351	387
HS6010427	24		201	343	380	419	243	370	410	452	243	370	410	452
HS6010428	25.4	1	225	384	426	469	272	415	459	506	272	415	459	506
HS6010429	26		236	403	446	491	285	434	481	530	285	434	481	530
HS6010430	28		274	467	517	570	331	504	558	615	331	504	558	615
HS6010431	28.6	1 1/8	285	487	540	595	345	526	582	642	345	526	582	642
HS6010432	31.8	1 1/4	353	602	667	735	427	650	720	793	427	650	720	793
HS6010433	32		357	610	676	745	432	658	729	803	432	658	729	803
HS6010434	34.9	1 3/8	425	726	804	886	514	783	867	955	514	783	867	955
HS6010435	35		428	730	808	891	517	787	872	961	517	787	872	961
HS6010436	36		452	772	855	942	547	833	922	1017	547	833	922	1017
HS6010437	38		504	860	953	1050	610	928	1028	1133	610	928	1028	1133
HS6010438	38.1	1 1/2	507	865	958	1055	613	933	1033	1139	613	933	1033	1139
HS6010439	40		558	953	1056	1163	675	1028	1139	1255	675	1028	1139	1255
HS6010440	41.3	1 5/8	595	1016	1125	1240	720	1096	1214	1338	720	1096	1214	1338
HS6010441	44		676	1153	1277	1408	817	1244	1378	1518	817	1244	1378	1518
HS6010442	44.5	1 3/4	691	1180	1306	1440	836	1273	1409	1553	836	1273	1409	1553
HS6010443	45		707	1206	1336	1472	855	1302	1441	1588	855	1302	1441	1588
HS6010444	47.6	1 7/8	791	1350	1495	1647	957	1456	1613	1777	957	1456	1613	1777
HS6010445	48		804	1373	1520	1675	973	1481	1640	1807	973	1481	1640	1807
HS6010446	50.8	2	901	1537	1703	1876	1089	1659	1837	2024	1089	1659	1837	2024
HS6010447	51		908	1550	1716	1891	1098	1672	1851	2040	1098	1672	1851	2040
HS6010448	52		944	1611	1784	1966	1142	1738	1924	2121	1142	1738	1924	2121
HS6010449	54	2 1/8	1018	1737	1924	2120	1231	1874	2075	2287	1231	1874	2075	2287
HS6010450	56		1094	1868	2069	2280	1324	2016	2232	2460	1324	2016	2232	2460
HS6010451	57.2	2 1/4	1142	1949	2159	2379	1381	2103	2329	2566	1381	2103	2329	2566
HS6010452	60		1256	2145	2375	2617	1520	2314	2562	2824	1520	2314	2562	2824
HS6010453	60.3	2 3/8	1269	2166	2399	2644	1535	2337	2588	2852	1535	2337	2588	2852
HS6010454	62		1342	2290	2536	2795	1623	2471	2736	3015	1623	2471	2736	3015
HS6010455	63.5	2 1/2	1407	2402	2660	2932	1702	2592	2870	3163	1702	2592	2870	3163
HS6010456	64		1430	2440	2702	2978	1729	2633	2915	3213	1729	2633	2915	3213

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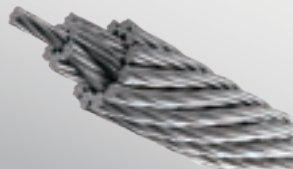
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FC

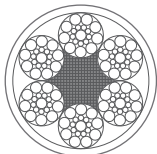


IWRC

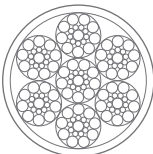


Stock No.	Nominal rope		Nominal tensile strength (MPa)							
			Minimum breaking load (kN)							
	Size		FC				IWRC (>7mmIWRC)			
			mm	in.	kg/100m	1770N/mm²	1960N/mm²	2160N/mm²	kg/100m	1770N/mm²
HS6010501	3		3.15	4.79	5.31	5.85	3.51	5.62	6.23	6.86
HS6010502	4		5.59	8.52	9.44	10.4	6.24	9.99	11.1	12.2
HS6010503	5		8.74	13.3	14.7	16.2	9.75	15.6	17.3	19.1
HS6010504	6		12.6	19.2	21.2	23.4	14.0	22.5	24.9	27.4
HS6010505	6.35	1/4	14.1	21.5	23.8	26.2	15.7	25.2	27.9	30.7
HS6010506	7		17.1	26.1	28.9	31.8	19.1	30.6	33.9	37.4
HS6010507	7.94	5/16	22.0	33.6	37.2	41.0	24.6	39.4	43.6	48.1
HS6010508	8		22.4	34.1	37.7	41.6	25.0	40.0	44.3	48.8
HS6010509	9		28.3	43.1	47.8	52.6	31.6	50.6	56.0	61.7
HS6010510	9.5	3/8	31.5	48.1	53.2	58.7	35.2	56.4	62.4	68.8
HS6010511	10		34.9	53.3	59.0	65.0	39.0	62.5	69.2	76.2
HS6010512	11		42.3	64.4	71.4	78.6	47.2	75.6	83.7	92.2
HS6010513	11.1	7/16	43.1	65.6	72.7	80.1	48.1	77.0	85.2	93.9
HS6010514	12		50.3	76.7	84.9	93.6	56.2	90.0	99.6	110
HS6010515	12.7	1/2	56.4	85.9	95.1	105	62.9	101	112	123
HS6010516	13		59.1	90.0	99.7	110	65.9	106	117	129
HS6010517	14		68.5	104	116	127	76.4	122	136	149
HS6010518	14.3	9/16	71.5	109	121	133	79.8	128	141	156
HS6010519	15.9	5/8	88.3	135	149	164	98.6	158	175	193
HS6010520	16		89.5	136	151	166	99.8	160	177	195
HS6010521	18		113	173	191	211	126	202	224	247
HS6010522	19		126	192	213	235	141	226	250	275
HS6010523	19.1	3/4	127	194	215	237	142	228	252	278
HS6010524	20		140	213	236	260	156	250	277	305
HS6010525	22		169	258	285	315	189	302	335	369
HS6010526	22.2	7/8	172	262	291	320	192	308	341	376
HS6010527	24		201	307	340	374	225	360	398	439
HS6010528	25.4	1	225	344	380	419	252	403	446	492
HS6010529	26		236	360	399	439	264	422	468	515
HS6010530	28		274	418	462	510	306	490	542	598
HS6010531	28.6	1 1/8	286	436	482	532	319	511	566	624
HS6010532	31.8	1 1/4	353	539	596	657	394	632	699	771
HS6010533	32		358	545	604	666	399	640	708	781
HS6010534	34.9	1 3/8	426	649	718	792	475	761	843	928
HS6010535	35		428	652	722	796	478	765	847	934
HS6010536	36		453	690	764	842	505	810	896	988
HS6010537	38		505	769	852	939	563	902	999	1101
HS6010538	38.1	1 1/2	507	773	856	943	566	907	1004	1107
HS6010539	40		559	852	944	1040	624	999	1107	1220
HS6010540	41.3	1 5/8	596	908	1006	1109	665	1065	1180	1300
HS6010541	44		677	1031	1142	1258	755	1209	1339	1476
HS6010542	44.5	1 3/4	692	1055	1168	1287	772	1237	1370	1510
HS6010543	45		708	1079	1194	1316	790	1265	1401	1544
HS6010544	47.6	1 7/8	792	1207	1336	1473	884	1415	1567	1727
HS6010545	48		805	1227	1359	1497	899	1439	1594	1756
HS6010546	50.8	2	902	1374	1522	1677	1006	1612	1785	1967
HS6010547	51		909	1385	1534	1691	1014	1625	1799	1983
HS6010548	52		945	1440	1595	1757	1055	1689	1870	2061
HS6010549	54	2 1/8	1019	1553	1720	1895	1137	1822	2017	2223
HS6010550	56		1096	1670	1849	2038	1223	1959	2169	2391
HS6010551	57.2	2 1/4	1143	1743	1930	2127	1276	2044	2263	2494
HS6010552	60		1258	1917	2123	2340	1404	2249	2490	2744
HS6010553	60.3	2 3/8	1271	1937	2144	2363	1418	2271	2515	2772
HS6010554	62		1343	2047	2267	2498	1499	2401	2659	2930
HS6010555	63.5	2 1/2	1409	2148	2378	2621	1573	2519	2789	3074
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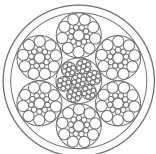
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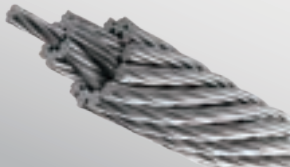
FC



WSC



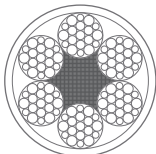
IWRC



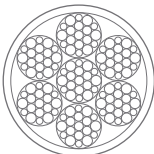
Stock No.	Nominal rope		Nominal tensile strength (MPa)											
			Minimum breaking load (kN)											
	Size		FC				WSC (≤10mmWSC)				IWRC (>10mmIWRC)			
			kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²	kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²	kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²
HS6010601	3		3.45	5.36	5.94	6.54	3.80	5.78	6.41	7.06	3.80	5.78	6.41	7.06
HS6010602	4		6.14	9.53	10.6	11.6	6.75	10.3	11.4	12.5	6.75	10.3	11.4	12.5
HS6010603	5		9.60	14.9	16.5	18.2	10.6	16.1	17.8	19.6	10.6	16.1	17.8	19.6
HS6010604	6		13.8	21.4	23.8	26.2	15.2	23.1	25.6	28.2	15.2	23.1	25.6	28.2
HS6010605	6.35	1/4	15.5	24.0	26.6	29.3	17.0	25.9	28.7	31.6	17.0	25.9	28.7	31.6
HS6010606	7		18.8	29.2	32.3	35.6	20.7	31.5	34.9	38.4	20.7	31.5	34.9	38.4
HS6010607	7.94	5/16	24.2	37.6	41.6	45.8	26.6	40.5	44.9	49.4	26.6	40.5	44.9	49.4
HS6010608	8		24.6	38.1	42.2	46.5	27.0	41.1	45.5	50.2	27.0	41.1	45.5	50.2
HS6010609	9		31.1	48.3	53.4	58.9	34.2	52.1	57.6	63.5	34.2	52.1	57.6	63.5
HS6010610	9.5	3/8	34.6	53.8	59.5	65.6	38.1	58.0	64.2	70.8	38.1	58.0	64.2	70.8
HS6010611	10		38.4	59.6	66.0	72.7	42.2	64.3	71.2	78.4	42.2	64.3	71.2	78.4
HS6010612	11		46.4	72.1	79.8	88.0	51.1	77.8	86.1	94.9	51.1	77.8	86.1	94.9
HS6010613	11.1	7/16	47.3	73.4	81.3	89.6	52.0	79.2	87.7	96.6	52.0	79.2	87.7	96.6
HS6010614	12		55.3	85.8	95.0	105	60.8	92.6	102	113	60.8	92.6	102	113
HS6010615	12.7	1/2	61.9	96.1	106	117	68.1	104	115	127	68.1	104	115	127
HS6010616	13		64.9	101	111	123	71.3	109	120	133	71.3	109	120	133
HS6010617	14		75.2	117	129	143	82.7	126	139	154	82.7	126	139	154
HS6010618	14.3	9/16	78.5	122	135	149	86.3	131	146	160	86.3	131	146	160
HS6010619	15.9	5/8	97.0	151	167	184	107	162	180	198	107	162	180	198
HS6010620	16		98.3	153	169	186	108	165	182	201	108	165	182	201
HS6010621	18		124	193	214	236	137	208	231	254	137	208	231	254
HS6010622	19		139	215	238	262	152	232	257	283	152	232	257	283
HS6010623	19.1	3/4	140	217	241	265	154	234	260	286	154	234	260	286
HS6010624	20		154	238	264	291	169	257	285	314	169	257	285	314
HS6010625	22		186	288	319	352	204	311	344	380	204	311	344	380
HS6010626	22.2	7/8	189	294	325	358	208	317	351	387	208	317	351	387
HS6010627	24		221	343	380	419	243	370	410	452	243	370	410	452
HS6010628	25.4	1	248	384	426	469	272	415	459	506	272	415	459	506
HS6010629	26		259	403	446	491	285	434	481	530	285	434	481	530
HS6010630	28		301	467	517	570	331	504	558	615	331	504	558	615
HS6010631	28.6	1 1/8	314	487	540	595	345	526	582	642	345	526	582	642
HS6010632	31.8	1 1/4	388	602	667	735	427	650	720	793	427	650	720	793
HS6010633	32		393	610	676	745	432	658	729	803	432	658	729	803
HS6010634	34.9	1 3/8	467	726	804	886	514	783	867	955	514	783	867	955
HS6010635	35		470	730	808	891	517	787	872	961	517	787	872	961
HS6010636	36		497	772	855	942	547	833	922	1017	547	833	922	1017
HS6010637	38		554	860	953	1050	610	928	1028	1133	610	928	1028	1133
HS6010638	38.1	1 1/2	557	865	958	1055	613	933	1033	1139	613	933	1033	1139
HS6010639	40		614	953	1056	1163	675	1028	1139	1255	675	1028	1139	1255
HS6010640	41.3	1 5/8	655	1016	1125	1240	720	1096	1214	1338	720	1096	1214	1338
HS6010641	44		743	1153	1277	1408	817	1244	1378	1518	817	1244	1378	1518
HS6010642	44.5	1 3/4	760	1180	1306	1440	836	1273	1409	1553	836	1273	1409	1553
HS6010643	45		777	1206	1336	1472	855	1302	1441	1588	855	1302	1441	1588
HS6010644	47.6	1 7/8	870	1350	1495	1647	957	1456	1613	1777	957	1456	1613	1777
HS6010645	48		884	1373	1520	1675	973	1481	1640	1807	973	1481	1640	1807
HS6010646	50.8	2	990	1537	1703	1876	1089	1659	1837	2024	1089	1659	1837	2024
HS6010647	51		998	1550	1716	1891	1098	1672	1851	2040	1098	1672	1851	2040
HS6010648	52		1038	1611	1784	1966	1142	1738	1924	2121	1142	1738	1924	2121
HS6010649	54	2 1/8	1119	1737	1924	2120	1231	1874	2075	2287	1231	1874	2075	2287
HS6010650	56		1204	1868	2069	2280	1324	2016	2232	2460	1324	2016	2232	2460
HS6010651	57.2	2 1/4	1256	1949	2159	2379	1381	2103	2329	2566	1381	2103	2329	2566
HS6010652	60		1382	2145	2375	2617	1520	2314	2562	2824	1520	2314	2562	2824
HS6010653	60.3	2 3/8	1396	2166	2399	2644	1535	2337	2588	2852	1535	2337	2588	2852
HS6010654	62		1475	2290	2536	2795	1623	2471	2736	3015	1623	2471	2736	3015
HS6010655	63.5	2 1/2	1548	2402	2660	2932	1702	2592	2870	3163	1702	2592	2870	3163
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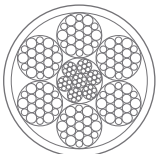
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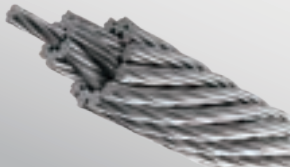
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WSC

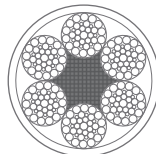


IWRC

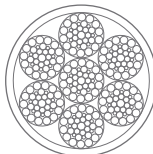


Stock No.	Nominal rope		Nominal tensile strength (MPa)											
			Minimum breaking load (kN)											
	Size		FC				WSC (≤10mmWSC)				IWRC (>10mmIWRC)			
			kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²	kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²	kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²
HS6010701	3		3.14	5.36	5.94	6.54	3.80	5.78	6.41	7.06	3.80	5.78	6.41	7.06
HS6010702	4		5.58	9.53	10.6	11.6	6.75	10.3	11.4	12.5	6.75	10.3	11.4	12.5
HS6010703	5		8.73	14.9	16.5	18.2	10.6	16.1	17.8	19.6	10.6	16.1	17.8	19.6
HS6010704	6		12.6	21.4	23.8	26.2	15.2	23.1	25.6	28.2	15.2	23.1	25.6	28.2
HS6010705	6.35	1/4	14.1	24.0	26.6	29.3	17.0	25.9	28.7	31.6	17.0	25.9	28.7	31.6
HS6010706	7		17.1	29.2	32.3	35.6	20.7	31.5	34.9	38.4	20.7	31.5	34.9	38.4
HS6010707	7.94	5/16	22.0	37.6	41.6	45.8	26.6	40.5	44.9	49.4	26.6	40.5	44.9	49.4
HS6010708	8		22.3	38.1	42.2	46.5	27.0	41.1	45.5	50.2	27.0	41.1	45.5	50.2
HS6010709	9		28.3	48.3	53.4	58.9	34.2	52.1	57.6	63.5	34.2	52.1	57.6	63.5
HS6010710	9.5	3/8	31.5	53.8	59.5	65.6	38.1	58.0	64.2	70.8	38.1	58.0	64.2	70.8
HS6010711	10		34.9	59.6	66.0	72.7	42.2	64.3	71.2	78.4	42.2	64.3	71.2	78.4
HS6010712	11		42.2	72.1	79.8	88.0	51.1	77.8	86.1	94.9	51.1	77.8	86.1	94.9
HS6010713	11.1	7/16	43.0	73.4	81.3	89.6	52.0	79.2	87.7	96.6	52.0	79.2	87.7	96.6
HS6010714	12		50.3	85.8	95.0	105	60.8	92.6	102	113	60.8	92.6	102	113
HS6010715	12.7	1/2	56.3	96.1	106	117	68.1	104	115	127	68.1	104	115	127
HS6010716	13		59.0	101	111	123	71.3	109	120	133	71.3	109	120	133
HS6010717	14		68.4	117	129	143	82.7	126	139	154	82.7	126	139	154
HS6010718	14.3	9/16	71.4	122	135	149	86.3	131	146	160	86.3	131	146	160
HS6010719	15.9	5/8	88.2	151	167	184	107	162	180	198	107	162	180	198
HS6010720	16		89.3	153	169	186	108	165	182	201	108	165	182	201
HS6010721	18		113	193	214	236	137	208	231	254	137	208	231	254
HS6010722	19		126	215	238	262	152	232	257	283	152	232	257	283
HS6010723	19.1	3/4	127	217	241	265	154	234	260	286	154	234	260	286
HS6010724	20		140	238	264	291	169	257	285	314	169	257	285	314
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HS6010726	22.2	7/8	172	294	325	358	208	317	351	387	208	317	351	387
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HS6010728	25.4	1	225	384	426	469	272	415	459	506	272	415	459	506
HS6010729	26		236	403	446	491	285	434	481	530	285	434	481	530
HS6010730	28		274	467	517	570	331	504	558	615	331	504	558	615
HS6010731	28.6	1 1/8	285	487	540	595	345	526	582	642	345	526	582	642
HS6010732	31.8	1 1/4	353	602	667	735	427	650	720	793	427	650	720	793
HS6010733	32		357	610	676	745	432	658	729	803	432	658	729	803
HS6010734	34.9	1 3/8	425	726	804	886	514	783	867	955	514	783	867	955
HS6010735	35		428	730	808	891	517	787	872	961	517	787	872	961
HS6010736	36		452	772	855	942	547	833	922	1017	547	833	922	1017
HS6010737	38		504	860	953	1050	610	928	1028	1133	610	928	1028	1133
HS6010738	38.1	1 1/2	507	865	958	1055	613	933	1033	1139	613	933	1033	1139
HS6010739	40		558	953	1056	1163	675	1028	1139	1255	675	1028	1139	1255
HS6010740	41.3	1 5/8	595	1016	1125	1240	720	1096	1214	1338	720	1096	1214	1338
HS6010741	44		676	1153	1277	1408	817	1244	1378	1518	817	1244	1378	1518
HS6010742	44.5	1 3/4	691	1180	1306	1440	836	1273	1409	1553	836	1273	1409	1553
HS6010743	45		707	1206	1336	1472	855	1302	1441	1588	855	1302	1441	1588
HS6010744	47.6	1 7/8	791	1350	1495	1647	957	1456	1613	1777	957	1456	1613	1777
HS6010745	48		804	1373	1520	1675	973	1481	1640	1807	973	1481	1640	1807
HS6010746	50.8	2	901	1537	1703	1876	1089	1659	1837	2024	1089	1659	1837	2024
HS6010747	51		908	1550	1716	1891	1098	1672	1851	2040	1098	1672	1851	2040
HS6010748	52		944	1611	1784	1966	1142	1738	1924	2121	1142	1738	1924	2121
HS6010749	54	2 1/8	1018	1737	1924	2120	1231	1874	2075	2287	1231	1874	2075	2287
HS6010750	56		1094	1868	2069	2280	1324	2016	2232	2460	1324	2016	2232	2460
HS6010751	57.2	2 1/4	1142	1949	2159	2379	1381	2103	2329	2566	1381	2103	2329	2566
HS6010752	60		1256	2145	2375	2617	1520	2314	2562	2824	1520	2314	2562	2824
HS6010753	60.3	2 3/8	1269	2166	2399	2644	1535	2337	2588	2852	1535	2337	2588	2852
HS6010754	62		1342	2290	2536	2795	1623	2471	2736	3015	1623	2471	2736	3015
HS6010755	63.5	2 1/2	1407	2402	2660	2932	1702	2592	2870	3163	1702	2592	2870	3163
HS6010756	64		1430	2440	2702	2978	1729	2633	2915	3213	1729	2633	2915	3213

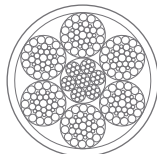
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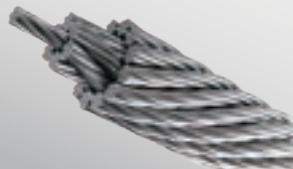
FC



WSC



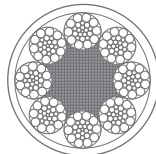
IWRC



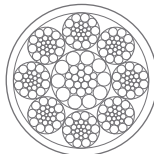
Stock No.	Nominal rope		Nominal tensile strength (MPa)											
			Minimum breaking load (kN)											
	Size		FC				WSC (≤10mmWSC)				IWRC (>10mmIWRC)			
			kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²	kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²	kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²
HS6010801	3		3.45	5.36	5.94	6.54	3.82	5.78	6.41	7.06	3.82	5.78	6.41	7.06
HS6010802	4		6.14	9.53	10.6	11.6	6.78	10.3	11.4	12.5	6.78	10.3	11.4	12.5
HS6010803	5		9.60	14.9	16.5	18.2	10.6	16.1	17.8	19.6	10.6	16.1	17.8	19.6
HS6010804	6		13.8	21.4	23.8	26.2	15.3	23.1	25.6	28.2	15.3	23.1	25.6	28.2
HS6010805	6.35	1/4	15.5	24.0	26.6	29.3	17.1	25.9	28.7	31.6	17.1	25.9	28.7	31.6
HS6010806	7		18.8	29.2	32.3	35.6	20.8	31.5	34.9	38.4	20.8	31.5	34.9	38.4
HS6010807	7.94	5/16	24.2	37.6	41.6	45.8	26.7	40.5	44.9	49.4	26.7	40.5	44.9	49.4
HS6010808	8		24.6	38.1	42.2	46.5	27.1	41.1	45.5	50.2	27.1	41.1	45.5	50.2
HS6010809	9		31.1	48.3	53.4	58.9	34.3	52.1	57.6	63.5	34.3	52.1	57.6	63.5
HS6010810	9.5	3/8	34.6	53.8	59.5	65.6	38.3	58.0	64.2	70.8	38.3	58.0	64.2	70.8
HS6010811	10		38.4	59.6	66.0	72.7	42.4	64.3	71.2	78.4	42.4	64.3	71.2	78.4
HS6010812	11		46.4	72.1	79.8	88.0	51.3	77.8	86.1	94.9	51.3	77.8	86.1	94.9
HS6010813	11.1	7/16	47.3	73.4	81.3	89.6	52.2	79.2	87.7	96.6	52.2	79.2	87.7	96.6
HS6010814	12		55.3	85.8	95.0	105	61.1	92.6	102	113	61.1	92.6	102	113
HS6010815	12.7	1/2	61.9	96.1	106	117	68.4	104	115	127	68.4	104	115	127
HS6010816	13		64.9	101	111	123	71.7	109	120	133	71.7	109	120	133
HS6010817	14		75.2	117	129	143	83.1	126	139	154	83.1	126	139	154
HS6010818	14.3	9/16	78.5	122	135	149	86.7	131	146	160	86.7	131	146	160
HS6010819	15.9	5/8	97.0	151	167	184	107	162	180	198	107	162	180	198
HS6010820	16		98.3	153	169	186	109	165	182	201	109	165	182	201
HS6010821	18		124	193	214	236	137	208	231	254	137	208	231	254
HS6010822	19		139	215	238	262	153	232	257	283	153	232	257	283
HS6010823	19.1	3/4	140	217	241	265	155	234	260	286	155	234	260	286
HS6010824	20		154	238	264	291	170	257	285	314	170	257	285	314
HS6010825	22		186	288	319	352	205	311	344	380	205	311	344	380
HS6010826	22.2	7/8	189	294	325	358	209	317	351	387	209	317	351	387
HS6010827	24		221	343	380	419	244	370	410	452	244	370	410	452
HS6010828	25.4	1	248	384	426	469	274	415	459	506	274	415	459	506
HS6010829	26		259	403	446	491	287	434	481	530	287	434	481	530
HS6010830	28		301	467	517	570	332	504	558	615	332	504	558	615
HS6010831	28.6	1 1/8	314	487	540	595	347	526	582	642	347	526	582	642
HS6010832	31.8	1 1/4	388	602	667	735	429	650	720	793	429	650	720	793
HS6010833	32		393	610	676	745	434	658	729	803	434	658	729	803
HS6010834	34.9	1 3/8	467	726	804	886	516	783	867	955	516	783	867	955
HS6010835	35		470	730	808	891	519	787	872	961	519	787	872	961
HS6010836	36		497	772	855	942	550	833	922	1017	550	833	922	1017
HS6010837	38		554	860	953	1050	612	928	1028	1133	612	928	1028	1133
HS6010838	38.1	1 1/2	557	865	958	1055	615	933	1033	1139	615	933	1033	1139
HS6010839	40		614	953	1056	1163	678	1028	1139	1255	678	1028	1139	1255
HS6010840	41.3	1 5/8	655	1016	1125	1240	723	1096	1214	1338	723	1096	1214	1338
HS6010841	44		743	1153	1277	1408	821	1244	1378	1518	821	1244	1378	1518
HS6010842	44.5	1 3/4	760	1180	1306	1440	840	1273	1409	1553	840	1273	1409	1553
HS6010843	45		777	1206	1336	1472	859	1302	1441	1588	859	1302	1441	1588
HS6010844	47.6	1 7/8	870	1350	1495	1647	961	1456	1613	1777	961	1456	1613	1777
HS6010845	48		884	1373	1520	1675	977	1481	1640	1807	977	1481	1640	1807
HS6010846	50.8	2	990	1537	1703	1876	1094	1659	1837	2024	1094	1659	1837	2024
HS6010847	51		998	1550	1716	1891	1103	1672	1851	2040	1103	1672	1851	2040
HS6010848	52		1038	1611	1784	1966	1146	1738	1924	2121	1146	1738	1924	2121
HS6010849	54	2 1/8	1119	1737	1924	2120	1236	1874	2075	2287	1236	1874	2075	2287
HS6010850	56		1204	1868	2069	2280	1330	2016	2232	2460	1330	2016	2232	2460
HS6010851	57.2	2 1/4	1256	1949	2159	2379	1387	2103	2329	2566	1387	2103	2329	2566
HS6010852	60		1382	2145	2375	2617	1526	2314	2562	2824	1526	2314	2562	2824
HS6010853	60.3	2 3/8	1396	2166	2399	2644	1542	2337	2588	2852	1542	2337	2588	2852
HS6010854	62		1475	2290	2536	2795	1630	2471	2736	3015	1630	2471	2736	3015
HS6010855	63.5	2 1/2	1548	2402	2660	2932	1710	2592	2870	3163	1710	2592	2870	3163
HS6010856	64		1572	2440	2702	2978	1737	2633	2915	3213	1737	2633	2915	3213

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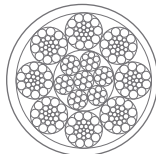
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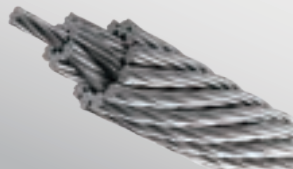
FC



WSC

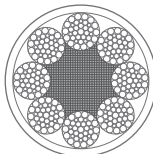


IWRC

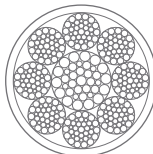


Stock No.	Nominal rope		Nominal tensile strength (MPa)							
			Minimum breaking load (kN)							
	Size		FC				IWRC/WSC (≤10mmWSC)			
			mm	in.	kg/100m	1770N/mm²	1960N/mm²	2160N/mm²	kg/100m	1770N/mm²
HS6010901	3		3.25	4.81	5.32	5.87	3.95	5.68	6.29	6.93
HS6010902	4		5.77	8.55	9.5	10.4	7.03	10.1	11.2	12.3
HS6010903	5		9.01	13.4	14.8	16.3	11.0	15.8	17.5	19.2
HS6010904	6		13.0	19.2	21.3	23.5	15.8	22.7	25.1	27.7
HS6010905	6.35	1/4	14.5	21.5	23.9	26.3	17.7	25.4	28.2	31.0
HS6010906	7		17.7	26.2	29.0	31.9	21.5	30.9	34.2	37.7
HS6010907	7.94	5/16	22.7	33.7	37.3	41.1	27.7	39.8	44.0	48.5
HS6010908	8		23.1	34.2	37.9	41.7	28.1	40.4	44.7	49.3
HS6010909	9		29.2	43.3	47.9	52.8	35.6	51.1	56.6	62.4
HS6010910	9.5	3/8	32.5	48.2	53.4	58.8	39.7	56.9	63.0	69.5
HS6010911	10		36.1	53.4	59.2	65.2	43.9	63.1	69.9	77.0
HS6010912	11		43.6	64.6	71.6	78.9	53.2	76.3	84.5	93.1
HS6010913	11.1	7/16	44.4	65.8	72.9	80.3	54.1	77.7	86.1	94.8
HS6010914	12		51.9	76.9	85.2	94	63.3	90.8	101	111
HS6010915	12.7	1/2	58.2	86.2	95	105	70.9	102	113	124
HS6010916	13		60.9	90.3	100	110	74.3	107	118	130
HS6010917	14		70.7	105	116	128	86.1	124	137	151
HS6010918	14.3	9/16	73.7	109	121	133	89.8	129	143	157
HS6010919	15.9	5/8	91.2	135	150	165	111	159	177	195
HS6010920	16		92.3	137	151	167	112	161	179	197
HS6010921	18		117	173	192	211	142	204	226	249
HS6010922	19		130	193	214	235	159	228	252	278
HS6010923	19.1	3/4	132	195	216	238	160	230	255	281
HS6010924	20		144	214	237	261	176	252	279	308
HS6010925	22		175	259	286	316	213	305	338	373
HS6010926	22.2	7/8	178	263	292	321	217	311	344	379
HS6010927	24		208	308	341	375	253	363	402	443
HS6010928	25.4	1	233	345	382	421	283	407	451	497
HS6010929	26		244	361	400	441	297	426	472	520
HS6010930	28		283	419	464	511	344	495	548	604
HS6010931	28.6	1 1/8	295	437	484	533	359	516	571	630
HS6010932	31.8	1 1/4	365	540	598	659	444	638	706	778
HS6010933	32		369	547	606	668	450	646	715	788
HS6010934	34.9	1 3/8	439	651	720	794	535	768	851	938
HS6010935	35		442	654	725	799	538	773	856	943
HS6010936	36		467	692	767	845	569	818	905	998
HS6010937	38		521	771	854	941	634	911	1009	1112
HS6010938	38.1	1 1/2	523	775	859	946	638	916	1014	1117
HS6010939	40		577	855	946	1043	703	1009	1118	1232
HS6010940	41.3	1 5/8	615	911	1009	1112	749	1076	1191	1313
HS6010941	44		698	1034	1145	1262	851	1221	1352	1490
HS6010942	44.5	1 3/4	714	1058	1171	1291	870	1249	1383	1524
HS6010943	45		730	1082	1198	1320	890	1277	1414	1559
HS6010944	47.6	1 7/8	817	1210	1340	1477	995	1429	1583	1744
HS6010945	48		831	1231	1363	1502	1012	1453	1609	1774
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HS6010947	51		938	1389	1539	1696	1143	1641	1817	2002
HS6010948	52		975	1444	1599	1763	1188	1706	1889	2081
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HS6010950	56		1131	1675	1855	2044	1378	1978	2191	2414
HS6010951	57.2	2 1/4	1180	1748	1935	2133	1437	2064	2285	2519
HS6010952	60		1298	1923	2129	2347	1582	2271	2515	2771
HS6010953	60.3	2 3/8	1311	1942	2151	2370	1598	2294	2540	2799
HS6010954	62		1386	2053	2274	2506	1689	2425	2685	2959
HS6010955	63.5	2 1/2	1454	2154	2385	2628	1772	2544	2817	3104
HS6010956	64		1477	2188	2423	2670	1800	2584	2861	3153

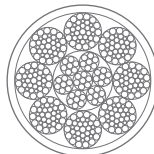
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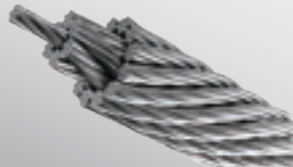
FC



WSC



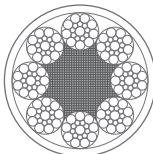
IWRC



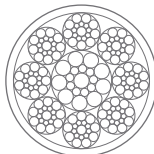
Stock No.	Nominal rope		Nominal tensile strength (MPa)											
			Minimum breaking load (kN)											
	Size		FC				WSC (≤10mmWSC)				IWRC (>10mmIWRC)			
			kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²	kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²	kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²
HS6011001	3		3.25	4.76	5.94	6.54	3.90	5.62	6.23	6.86	3.90	5.62	6.23	6.86
HS6011002	4		5.77	8.46	10.6	11.6	6.93	9.99	11.1	12.2	6.93	9.99	11.1	12.2
HS6011003	5		9.01	13.2	16.5	18.2	10.8	15.6	17.3	19.1	10.8	15.6	17.3	19.1
HS6011004	6		13.0	19.0	23.8	26.2	15.6	22.5	24.9	27.4	15.6	22.5	24.9	27.4
HS6011005	6.35	1/4	14.5	21.3	26.6	29.3	17.5	25.2	27.9	30.7	17.5	25.2	27.9	30.7
HS6011006	7		17.7	25.9	32.3	35.6	21.2	30.6	33.9	37.4	21.2	30.6	33.9	37.4
HS6011007	7.94	5/16	22.7	33.3	41.6	45.8	27.3	39.4	43.6	48.1	27.3	39.4	43.6	48.1
HS6011008	8		23.1	33.9	42.2	46.5	27.7	40.0	44.3	48.8	27.7	40.0	44.3	48.8
HS6011009	9		29.2	42.8	53.4	58.9	35.1	50.6	56.0	61.7	35.1	50.6	56.0	61.7
HS6011010	9.5	3/8	32.5	47.7	59.5	65.6	39.1	56.4	62.4	68.8	39.1	56.4	62.4	68.8
HS6011011	10		36.1	52.9	66.0	72.7	43.3	62.5	69.2	76.2	43.3	62.5	69.2	76.2
HS6011012	11		43.6	64.0	79.8	88.0	52.4	75.6	83.7	92.2	52.4	75.6	83.7	92.2
HS6011013	11.1	7/16	44.4	65.2	81.3	89.6	53.3	77.0	85.2	93.9	53.3	77.0	85.2	93.9
HS6011014	12		51.9	76.2	95.0	105	62.4	90.0	99.6	110	62.4	90.0	99.6	110
HS6011015	12.7	1/2	58.2	85.3	106	117	69.8	101	112	123	69.8	101	112	123
HS6011016	13		60.9	89.4	111	123	73.2	106	117	129	73.2	106	117	129
HS6011017	14		70.7	104	129	143	84.9	122	136	149	84.9	122	136	149
HS6011018	14.3	9/16	73.7	108	135	149	88.5	128	141	156	88.5	128	141	156
HS6011019	15.9	5/8	91.2	134	167	184	109	158	175	193	109	158	175	193
HS6011020	16		92.3	135	169	186	111	160	177	195	111	160	177	195
HS6011021	18		117	171	214	236	140	202	224	247	140	202	224	247
HS6011022	19		130	191	238	262	156	226	250	275	156	226	250	275
HS6011023	19.1	3/4	132	193	241	265	158	228	252	278	158	228	252	278
HS6011024	20		144	212	264	291	173	250	277	305	173	250	277	305
HS6011025	22		175	256	319	352	210	302	335	369	210	302	335	369
HS6011026	22.2	7/8	178	261	325	358	213	308	341	376	213	308	341	376
HS6011027	24		208	305	380	419	249	360	398	439	249	360	398	439
HS6011028	25.4	1	233	341	426	469	279	403	446	492	279	403	446	492
HS6011029	26		244	358	446	491	293	422	468	515	293	422	468	515
HS6011030	28		283	415	517	570	339	490	542	598	339	490	542	598
HS6011031	28.6	1 1/8	295	433	540	595	354	511	566	624	354	511	566	624
HS6011032	31.8	1 1/4	365	535	667	735	438	632	699	771	438	632	699	771
HS6011033	32		369	542	676	745	443	640	708	781	443	640	708	781
HS6011034	34.9	1 3/8	439	644	804	886	527	761	843	928	527	761	843	928
HS6011035	35		442	648	808	891	530	765	847	934	530	765	847	934
HS6011036	36		467	686	855	942	561	810	896	988	561	810	896	988
HS6011037	38		521	764	953	1050	625	902	999	1101	625	902	999	1101
HS6011038	38.1	1 1/2	523	768	958	1055	629	907	1004	1107	629	907	1004	1107
HS6011039	40		577	846	1056	1163	693	999	1107	1220	693	999	1107	1220
HS6011040	41.3	1 5/8	615	902	1125	1240	739	1065	1180	1300	739	1065	1180	1300
HS6011041	44		698	1024	1277	1408	838	1209	1339	1476	838	1209	1339	1476
HS6011042	44.5	1 3/4	714	1048	1306	1440	857	1237	1370	1510	857	1237	1370	1510
HS6011043	45		730	1071	1336	1472	877	1265	1401	1544	877	1265	1401	1544
HS6011044	47.6	1 7/8	817	1199	1495	1647	981	1415	1567	1727	981	1415	1567	1727
HS6011045	48		831	1219	1520	1675	998	1439	1594	1756	998	1439	1594	1756
HS6011046	50.8	2	931	1365	1703	1876	1117	1612	1785	1967	1117	1612	1785	1967
HS6011047	51		938	1376	1716	1891	1126	1625	1799	1983	1126	1625	1799	1983
HS6011048	52		975	1430	1784	1966	1171	1689	1870	2061	1171	1689	1870	2061
HS6011049	54	2 1/8	1051	1543	1924	2120	1263	1822	2017	2223	1263	1822	2017	2223
HS6011050	56		1131	1659	2069	2280	1358	1959	2169	2391	1358	1959	2169	2391
HS6011051	57.2	2 1/4	1180	1731	2159	2379	1417	2044	2263	2494	1417	2044	2263	2494
HS6011052	60		1298	1904	2375	2617	1559	2249	2490	2744	1559	2249	2490	2744
HS6011053	60.3	2 3/8	1311	1923	2399	2644	1574	2271	2515	2772	1574	2271	2515	2772
HS6011054	62		1386	2033	2536	2795	1664	2401	2659	2930	1664	2401	2659	2930
HS6011055	63.5	2 1/2	1454	2133	2660	2932	1746	2519	2789	3074	1746	2519	2789	3074
HS6011056	64		1477	2167	2702	2978	1774	2559	2833	3122	1774	2559	2833	3122

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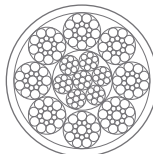
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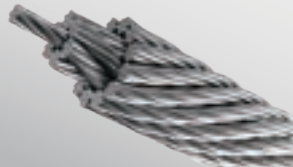
FC



WSC

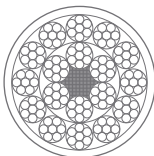


IWRC

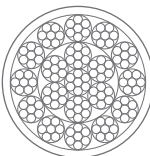


Stock No.	Nominal rope		Nominal tensile strength (MPa)											
			Minimum breaking load (kN)											
	Size		FC				WSC (≤10mmWSC)				IWRC (>10mmIWRC)			
			kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²	kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²	kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²
HS6011101	3		3.25	4.76	5.94	6.54	3.73	5.62	6.23	6.86	3.73	5.62	6.23	6.86
HS6011102	4		5.77	8.46	10.6	11.6	6.62	9.99	11.1	12.2	6.62	9.99	11.1	12.2
HS6011103	5		9.01	13.2	16.5	18.2	10.4	15.6	17.3	19.1	10.4	15.6	17.3	19.1
HS6011104	6		13.0	19.0	23.8	26.2	14.9	22.5	24.9	27.4	14.9	22.5	24.9	27.4
HS6011105	6.35	1/4	14.5	21.3	26.6	29.3	16.7	25.2	27.9	30.7	16.7	25.2	27.9	30.7
HS6011106	7		17.7	25.9	32.3	35.6	20.3	30.6	33.9	37.4	20.3	30.6	33.9	37.4
HS6011107	7.94	5/16	22.7	33.3	41.6	45.8	26.1	39.4	43.6	48.1	26.1	39.4	43.6	48.1
HS6011108	8		23.1	33.9	42.2	46.5	26.5	40.0	44.3	48.8	26.5	40.0	44.3	48.8
HS6011109	9		29.2	42.8	53.4	58.9	33.5	50.6	56.0	61.7	33.5	50.6	56.0	61.7
HS6011110	9.5	3/8	32.5	47.7	59.5	65.6	37.4	56.4	62.4	68.8	37.4	56.4	62.4	68.8
HS6011111	10		36.1	52.9	66.0	72.7	41.4	62.5	69.2	76.2	41.4	62.5	69.2	76.2
HS6011112	11		43.6	64.0	79.8	88.0	50.1	75.6	83.7	92.2	50.1	75.6	83.7	92.2
HS6011113	11.1	7/16	44.4	65.2	81.3	89.6	51.0	77.0	85.2	93.9	51.0	77.0	85.2	93.9
HS6011114	12		51.9	76.2	95.0	105	59.6	90.0	99.6	110	59.6	90.0	99.6	110
HS6011115	12.7	1/2	58.2	85.3	106	117	66.8	101	112	123	66.8	101	112	123
HS6011116	13		60.9	89.4	111	123	70.0	106	117	129	70.0	106	117	129
HS6011117	14		70.7	104	129	143	81.1	122	136	149	81.1	122	136	149
HS6011118	14.3	9/16	73.7	108	135	149	84.7	128	141	156	84.7	128	141	156
HS6011119	15.9	5/8	91.2	134	167	184	105	158	175	193	105	158	175	193
HS6011120	16		92.3	135	169	186	106	160	177	195	106	160	177	195
HS6011121	18		117	171	214	236	134	202	224	247	134	202	224	247
HS6011122	19		130	191	238	262	149	226	250	275	149	226	250	275
HS6011123	19.1	3/4	132	193	241	265	151	228	252	278	151	228	252	278
HS6011124	20		144	212	264	291	166	250	277	305	166	250	277	305
HS6011125	22		175	256	319	352	200	302	335	369	200	302	335	369
HS6011126	22.2	7/8	178	261	325	358	204	308	341	376	204	308	341	376
HS6011127	24		208	305	380	419	238	360	398	439	238	360	398	439
HS6011128	25.4	1	233	341	426	469	267	403	446	492	267	403	446	492
HS6011129	26		244	358	446	491	280	422	468	515	280	422	468	515
HS6011130	28		283	415	517	570	325	490	542	598	325	490	542	598
HS6011131	28.6	1 1/8	295	433	540	595	339	511	566	624	339	511	566	624
HS6011132	31.8	1 1/4	365	535	667	735	419	632	699	771	419	632	699	771
HS6011133	32		369	542	676	745	424	640	708	781	424	640	708	781
HS6011134	34.9	1 3/8	439	644	804	886	504	761	843	928	504	761	843	928
HS6011135	35		442	648	808	891	507	765	847	934	507	765	847	934
HS6011136	36		467	686	855	942	537	810	896	988	537	810	896	988
HS6011137	38		521	764	953	1050	598	902	999	1101	598	902	999	1101
HS6011138	38.1	1 1/2	523	768	958	1055	601	907	1004	1107	601	907	1004	1107
HS6011139	40		577	846	1056	1163	662	999	1107	1220	662	999	1107	1220
HS6011140	41.3	1 5/8	615	902	1125	1240	706	1065	1180	1300	706	1065	1180	1300
HS6011141	44		698	1024	1277	1408	802	1209	1339	1476	802	1209	1339	1476
HS6011142	44.5	1 3/4	714	1048	1306	1440	820	1237	1370	1510	820	1237	1370	1510
HS6011143	45		730	1071	1336	1472	838	1265	1401	1544	838	1265	1401	1544
HS6011144	47.6	1 7/8	817	1199	1495	1647	938	1415	1567	1727	938	1415	1567	1727
HS6011145	48		831	1219	1520	1675	954	1439	1594	1756	954	1439	1594	1756
HS6011146	50.8	2	931	1365	1703	1876	1068	1612	1785	1967	1068	1612	1785	1967
HS6011147	51		938	1376	1716	1891	1077	1625	1799	1983	1077	1625	1799	1983
HS6011148	52		975	1430	1784	1966	1119	1689	1870	2061	1119	1689	1870	2061
HS6011149	54	2 1/8	1051	1543	1924	2120	1207	1822	2017	2223	1207	1822	2017	2223
HS6011150	56		1131	1659	2069	2280	1298	1959	2169	2391	1298	1959	2169	2391
HS6011151	57.2	2 1/4	1180	1731	2159	2379	1355	2044	2263	2494	1355	2044	2263	2494
HS6011152	60		1298	1904	2375	2617	1490	2249	2490	2744	1490	2249	2490	2744
HS6011153	60.3	2 3/8	1311	1923	2399	2644	1505	2271	2515	2772	1505	2271	2515	2772
HS6011154	62		1386	2033	2536	2795	1591	2401	2659	2930	1591	2401	2659	2930
HS6011155	63.5	2 1/2	1454	2133	2660	2932	1669	2519	2789	3074	1669	2519	2789	3074
HS6011156	64		1477	2167	2702	2978	1696	2559	2833	3122	1696	2559	2833	3122

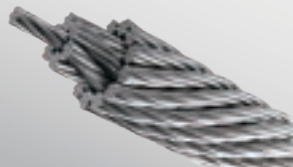
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FC



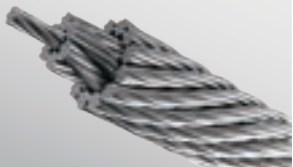
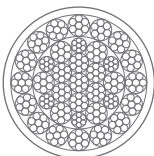
WSC



Stock No.	Nominal rope		Nominal tensile strength (MPa)							
			Minimum breaking load (kN)							
	Size		FC				WSC			
	mm	in.	kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²	kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²
HS6011201	3		3.55	5.04	5.58	6.15	3.70	5.33	5.90	6.50
HS6011202	4		6.30	8.95	9.92	10.9	6.58	9.38	10.5	11.6
HS6011203	5		9.85	14.0	15.5	17.1	10.3	14.7	16.4	18.1
HS6011204	6		14.2	20.1	22.3	24.6	14.8	21.1	23.6	26.0
HS6011205	6.35	1/4	15.9	22.6	25.0	27.5	16.6	23.6	26.4	29.1
HS6011206	7		19.3	27.4	30.4	33.5	20.1	28.7	32.1	35.4
HS6011207	7.94	5/16	24.8	35.3	39.1	43.1	25.9	37.0	41.3	45.6
HS6011208	8		25.2	35.8	39.7	43.7	26.3	37.5	42.0	46.2
HS6011209	9		31.9	45.3	50.2	55.3	33.3	47.5	53.1	58.5
HS6011210	9.5	3/8	35.5	50.5	55.9	61.6	37.1	52.9	59.2	65.2
HS6011211	10		39.4	56.0	62.0	68.3	41.1	58.6	65.6	72.3
HS6011212	11		47.7	67.7	75.0	82.6	49.7	71.0	79.3	87.4
HS6011213	11.1	7/16	48.5	69.0	76.4	84.2	50.6	72.2	80.8	89.0
HS6011214	12		56.7	80.6	89.2	98.4	59.2	84.4	94.4	104
HS6011215	12.7	1/2	63.5	90.3	100.0	110	66.3	94.6	106	117
HS6011216	13		66.6	94.6	105	115	69.5	99.1	111	122
HS6011217	14		77.2	110	121	134	80.6	115	129	142
HS6011218	14.3	9/16	80.5	114	127	140	84.0	120	134	148
HS6011219	15.9	5/8	99.6	141	157	173	104	148	166	183
HS6011220	16		101	143	159	175	105	150	168	185
HS6011221	18		128	181	201	221	133	190	212	234
HS6011222	19		142	202	224	247	148	212	237	261
HS6011223	19.1	3/4	144	204	226	249	150	214	239	264
HS6011224	20		158	224	248	273	164	235	262	289
HS6011225	22		191	271	300	331	199	284	317	350
HS6011226	22.2	7/8	194	276	305	337	203	289	323	356
HS6011227	24		227	322	357	393	237	338	378	416
HS6011228	25.4	1	254	361	400	441	265	378	423	466
HS6011229	26		266	378	419	462	278	396	443	489
HS6011230	28		309	439	486	535	322	460	514	567
HS6011231	28.6	1 1/8	322	458	507	559	336	480	536	591
HS6011232	31.8	1 1/4	398	566	627	691	416	593	663	731
HS6011233	32		403	573	635	699	421	600	671	740
HS6011234	34.9	1 3/8	480	682	755	832	501	714	799	880
HS6011235	35		483	686	759	837	503	718	803	885
HS6011236	36		510	725	803	885	533	760	850	937
HS6011237	38		569	808	895	986	593	847	947	1044
HS6011238	38.1	1 1/2	572	812	900	991	597	851	952	1049
HS6011239	40		630	895	992	1093	658	938	1049	1156
HS6011240	41.3	1 5/8	672	955	1057	1165	701	1000	1118	1233
HS6011241	44		763	1084	1200	1322	796	1135	1270	1399
HS6011242	44.5	1 3/4	780	1108	1227	1352	814	1161	1299	1431
HS6011243	45		798	1133	1255	1383	832	1187	1328	1463
HS6011244	47.6	1 7/8	892	1268	1404	1547	931	1329	1486	1637
HS6011245	48		908	1289	1428	1574	947	1351	1511	1665
HS6011246	50.8	2	1017	1444	1599	1763	1061	1513	1692	1865
HS6011247	51		1025	1456	1612	1776	1069	1525	1706	1880
HS6011248	52		1065	1513	1676	1847	1111	1586	1773	1954
HS6011249	54	2 1/8	1149	1632	1807	1992	1198	1710	1912	2107
HS6011250	56		1235	1755	1944	2142	1289	1839	2056	2266
HS6011251	57.2	2 1/4	1289	1831	2028	2235	1345	1918	2145	2364
HS6011252	60		1418	2015	2231	2459	1480	2111	2361	2602
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HS6011254	62		1514	2151	2382	2625	1580	2254	2521	2778
HS6011255	63.5	2 1/2	1588	2257	2499	2754	1657	2364	2644	2914
HS6011256	64		1613	2292	2539	2798	1683	2402	2686	2960

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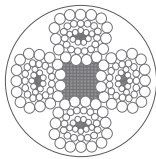
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Stock No.	Nominal rope		Nominal tensile strength (MPa)			
			Minimum breaking load (kN)			
	Size					
	mm	in.	kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²
HS6011301	3		3.83	5.85	6.48	6.94
HS6011302	4		6.80	10.4	11.5	12.3
HS6011303	5		10.6	16.2	18.0	19.3
HS6011304	6		15.3	23.4	25.9	27.8
HS6011305	6.35	1/4	17.1	26.2	29.0	31.1
HS6011306	7		20.8	31.8	35.3	37.8
HS6011307	7.94	5/16	26.8	41.0	45.4	48.6
HS6011308	8		27.2	41.6	46.1	49.4
HS6011309	9		34.4	52.6	58.3	62.5
HS6011310	9.5	3/8	38.4	58.7	65.0	69.6
HS6011311	10		42.5	65.0	72.0	77.1
HS6011312	11		51.4	78.6	87.1	93.3
HS6011313	11.1	7/16	52.4	80.1	88.7	95.0
HS6011314	12		61.2	93.6	104	111
HS6011315	12.7	1/2	68.5	105	116	124
HS6011316	13		71.8	110	122	130
HS601317	14		83.3	127	141	151
HS601318	14.3	9/16	86.9	133	147	158
HS6011319	15.9	5/8	107	164	182	195
HS6011320	16		109	166	184	197
HS6011321	18		138	211	233	250
HS6011322	19		153	235	260	278
HS6011323	19.1	3/4	155	237	263	281
HS6011324	20		170	260	288	308
HS6011325	22		206	315	348	373
HS6011326	22.2	7/8	209	320	355	380
HS6011327	24		245	374	415	444
HS6011328	25.4	1	274	419	464	497
HS6011329	26		287	439	487	521
HS6011330	28		333	510	564	605
HS6011331	28.6	1 1/8	348	532	589	631
HS6011332	31.8	1 1/4	430	657	728	780
HS6011333	32		435	666	737	790
HS6011334	34.9	1 3/8	518	792	877	939
HS6011335	35		521	796	882	945
HS6011336	36		551	842	933	999
HS6011337	38		614	939	1039	1113
HS6011338	38.1	1 1/2	617	943	1045	1119
HS6011339	40		680	1040	1152	1234
HS6011340	41.3	1 5/8	725	1109	1228	1315
HS6011341	44		823	1258	1393	1493
HS6011342	44.5	1 3/4	842	1287	1425	1527
HS6011343	45		861	1316	1457	1562
HS6011344	47.6	1 7/8	963	1473	1631	1747
HS6011345	48		979	1497	1658	1777
HS6011346	50.8	2	1097	1677	1857	1990
HS6011347	51		1105	1691	1872	2006
HS6011348	52		1149	1757	1946	2085
HS6011349	54	2 1/8	1239	1895	2099	2249
HS6011350	56		1333	2038	2257	2418
HS6011351	57.2	2 1/4	1391	2127	2355	2523
HS6011352	60		1530	2340	2591	2776
HS6011353	60.3	2 3/8	1545	2363	2617	2804
HS6011354	62		1634	2498	2767	2964
HS6011355	63.5	2 1/2	1714	2621	2902	3109
HS6011356	64		1741	2662	2948	3159

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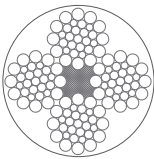
PP



Stock No.	Nominal rope		Nominal tensile strength (MPa)			
			Minimum breaking load (kN)			
	Size		FC			
			kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²
HS6011401	3		3.50	5.91	6.54	7.21
HS6011402	4		6.22	10.5	11.6	12.8
HS6011403	5		9.73	16.4	18.2	20.0
HS6011404	6		14.0	23.6	26.2	28.8
HS6011405	6.35	1/4	15.7	26.5	29.3	32.3
HS6011406	7		19.1	32.2	35.6	39.2
HS6011407	7.94	5/16	24.5	41.4	45.8	50.5
HS6011408	8		24.9	42.0	46.5	51.3
HS6011409	9		31.5	53.2	58.9	64.9
HS6011410	9.5	3/8	35.1	59.2	65.6	72.3
HS6011411	10		38.9	65.6	72.7	80.1
HS6011412	11		47.1	79.4	87.9	96.9
HS6011413	11.1	7/16	47.9	80.9	89.5	98.7
HS6011414	12		56.0	94.5	105	115
HS6011415	12.7	1/2	62.7	106	117	129
HS6011416	13		65.7	111	123	135
HS6011417	14		76.2	129	142	157
HS6011418	14.3	9/16	79.5	134	149	164
HS6011419	15.9	5/8	98.3	166	184	202
HS6011420	16		99.6	168	186	205
HS6011421	18		126	213	235	260
HS6011422	19		140	237	262	289
HS6011423	19.1	3/4	142	239	265	292
HS6011424	20		156	263	291	320
HS6011425	22		188	318	352	388
HS6011426	22.2	7/8	192	323	358	395
HS6011427	24		224	378	419	461
HS6011428	25.4	1	251	423	469	517
HS6011429	26		263	444	491	541
HS6011430	28		305	515	570	628
HS6011431	28.6	1 1/8	318	537	594	655
HS6011432	31.8	1 1/4	393	664	735	810
HS6011433	32		398	672	744	820
HS6011434	34.9	1 3/8	474	799	885	976
HS6011435	35		477	804	890	981
HS6011436	36		504	851	942	1038
HS6011437	38		562	948	1049	1157
HS6011438	38.1	1 1/2	565	953	1055	1163
HS6011439	40		622	1050	1163	1281
HS6011440	41.3	1 5/8	664	1119	1240	1366
HS6011441	44		753	1271	1407	1551
HS6011442	44.5	1 3/4	770	1300	1439	1586
HS6011443	45		788	1329	1472	1622
HS6011444	47.6	1 7/8	881	1487	1647	1815
HS6011445	48		896	1512	1674	1845

Images for illustrative purposes only.

4×31WS

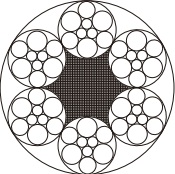
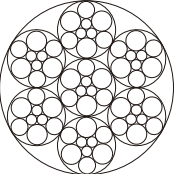
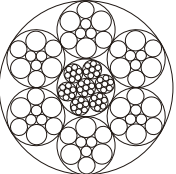
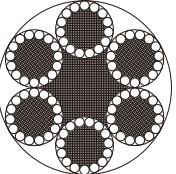
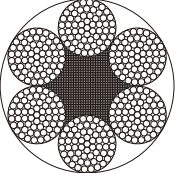
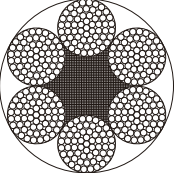
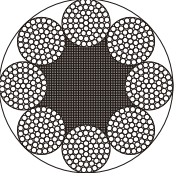
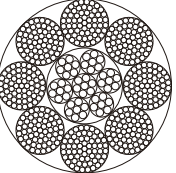
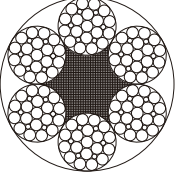
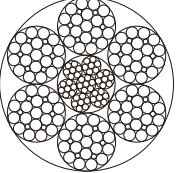
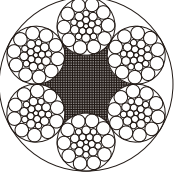
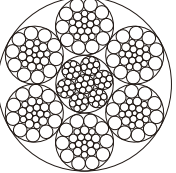
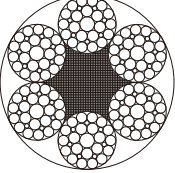
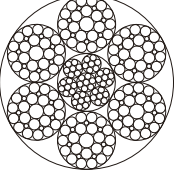
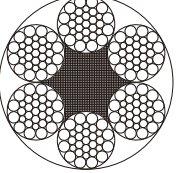
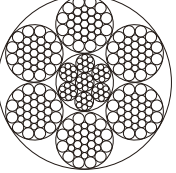
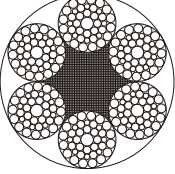
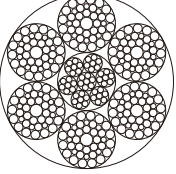
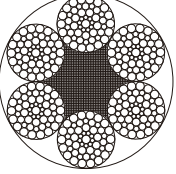
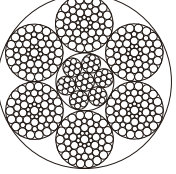
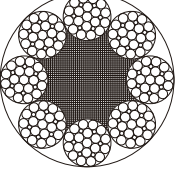
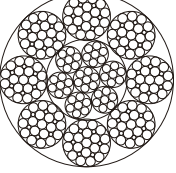
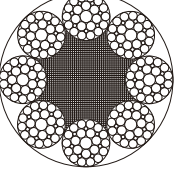
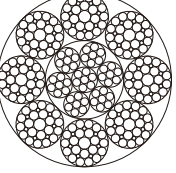


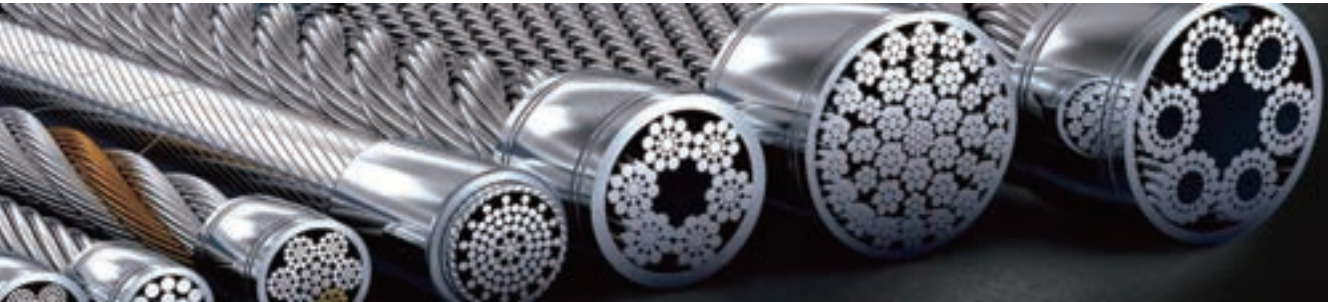
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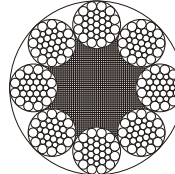
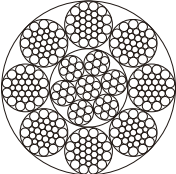
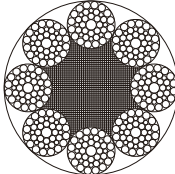
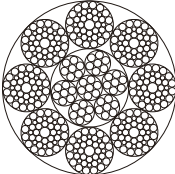
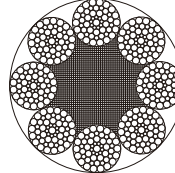
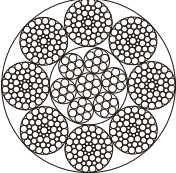
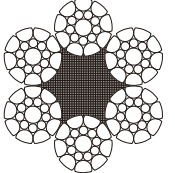
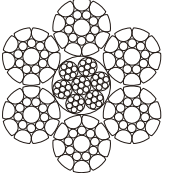
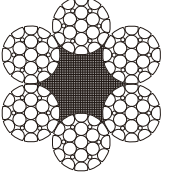
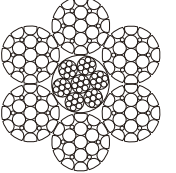
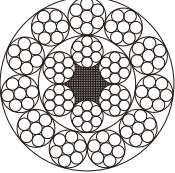
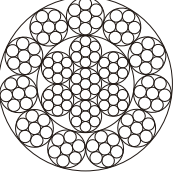
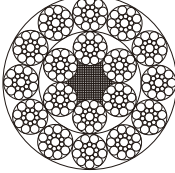
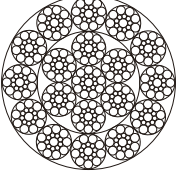
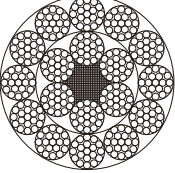
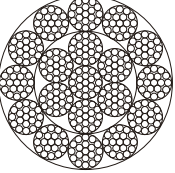
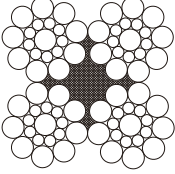
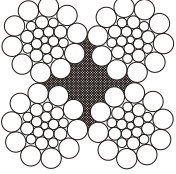
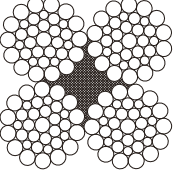
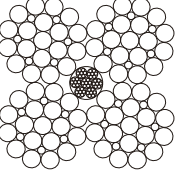
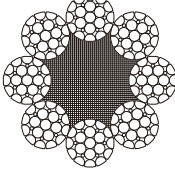
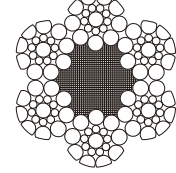
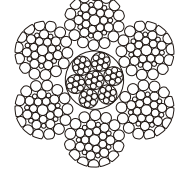
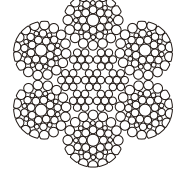
Stock No.	Nominal rope		Nominal tensile strength (MPa)			
			Minimum breaking load (kN)			
	Size		FC			
			kg/100m	1770 N/mm²	1960 N/mm²	2160 N/mm²
HS6011501	3		3.73	5.91	6.54	7.21
HS6011502	4		6.63	10.4	11.6	12.8
HS6011503	5		10.4	16.2	18.2	20.0
HS6011504	6		14.9	23.4	26.2	28.8
HS6011505	6.35	1/4	16.7	26.2	29.3	32.3
HS6011506	7		20.3	31.8	35.6	39.2
HS6011507	7.94	5/16	26.1	41.0	45.8	50.5
HS6011508	8		26.5	41.6	46.5	51.3
HS6011509	9		33.5	52.6	58.9	64.9
HS6011510	9.5	3/8	37.4	58.7	65.6	72.3
HS6011511	10		41.4	65.0	72.7	80.1
HS6011512	11		50.1	78.6	87.9	96.9
HS6011513	11.1	7/16	51.0	80.1	89.5	98.7
HS6011514	12		59.6	93.6	105	115
HS6011515	12.7	1/2	66.8	105	117	129
HS6011516	13		70.0	110	123	135
HS6011517	14		81.2	127	142	157
HS6011518	14.3	9/16	84.7	133	149	164
HS6011519	15.9	5/8	105	164	184	202
HS6011520	16		106	166	186	205
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HS6011526	22.2	7/8	204	320	358	395
HS6011527	24		239	374	419	461
HS6011528	25.4	1	267	419	469	517
HS6011529	26		280	439	491	541
HS6011530	28		325	510	570	628
HS6011531	28.6	1 1/8	339	532	594	655
HS6011532	31.8	1 1/4	419	657	735	810
HS6011533	32		424	666	744	820
HS6011534	34.9	1 3/8	504	792	885	976
HS6011535	35		507	796	890	981
HS6011536	36		537	842	942	1038
HS6011537	38		598	939	1049	1157
HS6011538	38.1	1 1/2	601	943	1055	1163
HS6011539	40		663	1040	1163	1281
HS6011540	41.3	1 5/8	706	1109	1240	1366
HS6011541	44		802	1258	1407	1551
HS6011542	44.5	1 3/4	820	1287	1439	1586
HS6011543	45		839	1316	1472	1622
HS6011544	47.6	1 7/8	938	1473	1647	1815
HS6011545	48		954	1497	1674	1845

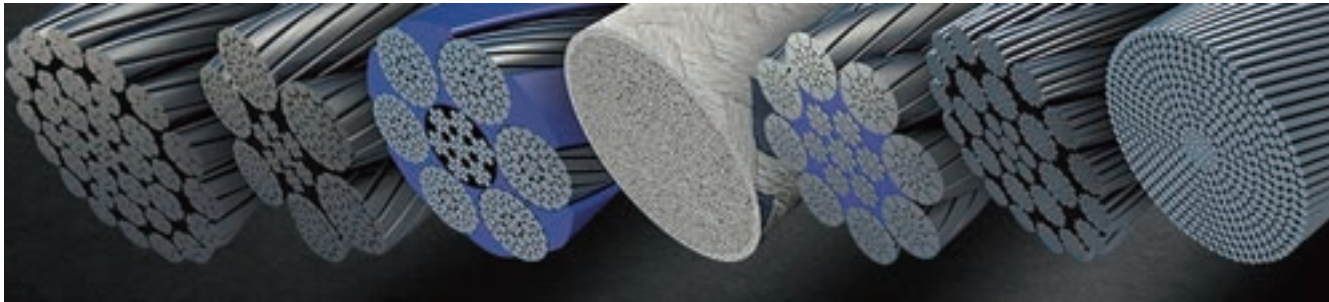
Images for illustrative purposes only.

			
6x9WFC	6x9W-WSC	6x9W-IWRC	6x15FC-FC
			
6x61M-FC	6x61M-IWRC	8x61M-FC	8x61M-IWRC
			
6x25Fi-FC	6x25Fi-IWRC	6x26WS-FC	6x26WS-IWRC
			
6x29Fi-FC	6x29Fi-IWRC	6x31WS-FC	6x31WS-IWRC
			
6x41WS-FC	6x41WS-IWRC	6x55SWS-FC	6x55SWS-IWRC
			
6x25Fi-FC	6x25Fi-IWRC	6x26WS-FC	6x26WS-IWRC



Images for illustrative purposes only.

			
8x31WS-FC	8x31WS-IWRC	8x41WS-FC	8x41WS-IWRC
			
8x55SWS-FC	8x55SWS-IWRC	6xK19S-FC	6xK19S-IWRC
			
6xK25Fi-FC	6xK25Fi-IWRC	17x7-FC	17x7-WSC
			
18x19S-FC	18x19S-WSC	18x19W-FC	18x19W-WSC
			
4x19S-FC	4x26WS-FC	4x36WS-FC	4x25Fi-IWRC
			
8xK25Fi-FC	K6x19S-FC	K6x36WS-IWRC	K6x41WS-PWRC



Images for illustrative purposes only.

FENDER SYSTEMS



Fender Buoyancy

— Fender Buoyancy

Loquen® Buoyancy Fenders – Pneumatic
50/80 Foam-Type Fender Hippo Donut-Type
FendersSubmarine Pneumatic Buoyancy
Fenders Light Grey Naval Fender.

07

Certified to ISO 17357-1:2014, our fenders ensure superior impact absorption, high durability, and reliable performance—even under the most demanding conditions.



Fenders

We bring significant marine and operational expertise to all our fender clients, working closely with them to ensure the best fit and best product value tailored to their specific fender needs. The Fendercare Marine business was built on our ability to deliver best-in-class fender solutions to our clients. We are not merely a trading house aiming to sell fenders with a margin—we are also, through our Ship-to-Ship (STS) transfer division, the world's largest genuine operator of the Loquen® range of pneumatic fenders.

These fenders are ideal for short-term port calls or occasional berthing, temporary use during construction or maintenance work, offshore cargo transfers, flotation aids, support vessel operations, or dual berthing requirements. Additional fenders are also available for naval specifications.

Our full lifecycle support package includes not only the prompt and efficient sale of new fenders but also rental, purchase agreements, and repair and refurbishment services. With highly trained personnel at each location across our global network, we can receive damaged fenders for on-site repair or travel directly to your site to carry out maintenance and refurbishment on both pneumatic and foam-type fenders.

In addition to Loquen® flotation fenders, we now also offer our range of Hippo foam fenders, as well as a wide selection of UHMW panel systems and vessel fender solutions.

Our complete portfolio of fender solutions includes:

- **Loquen® pneumatic and hydropneumatic fenders**
- **Hippo foam and Hippo donut-type fenders**
- **Multipurpose fenders for dockside and ship-side installation**
- **Hippo fender systems for vessels**
- **UHMW panel systems**
- **Custom-engineered fendering solutions**

We encourage you not to see us merely as a fender supplier—but as a dependable resource you can rely on for guidance and optimal fender solutions.



Fenders



Loquen® Buoyancy Fenders – Pneumatic 50/80

ISO 17357 is firmly established within the marine industry as the international standard for the manufacturing, testing, and performance of pneumatic rubber fenders.

Over the years, Fendercare Marine has found that while some manufacturers claim full compliance with ISO 17357, it can be demonstrated that, in certain cases, irregularities exist where the supplied fenders, in fact, do not meet the standard in one or more key criteria:

- **Incomplete material testing**
- **Improperly conducted or failed hydrostatic pressure testing**
- **Inaccurate angular assessment and durability testing**
- **Incorrect use of reinforcing materials**
- **Rubber specifications that do not meet ISO 17357 requirements**
- **Expired or missing certification documentation**

Fenders

Loquen® can demonstrate compliance with PIANC 2002 guidelines for pneumatic fenders. More information is available upon request

Advantages

Safe under overload conditions

The reaction force of a pneumatic fender does not increase sharply under excessive compression. As a result, these fenders perform exceptionally well under such conditions, effectively protecting both vessels and berth structures.

No performance degradation or variation

Since pneumatic fenders rely on the compressive elasticity of air, they do not suffer from performance deterioration, even under extremely low temperatures—down to -50°C

Safety and reliability

Loquen® pneumatic rubber fenders are constructed with multiple layers of reinforced tire cord, making them highly resistant to pressure and tearing. Larger sizes (2.5m diameter and above) are equipped with a safety valve to prevent accidents in case of over-compression.



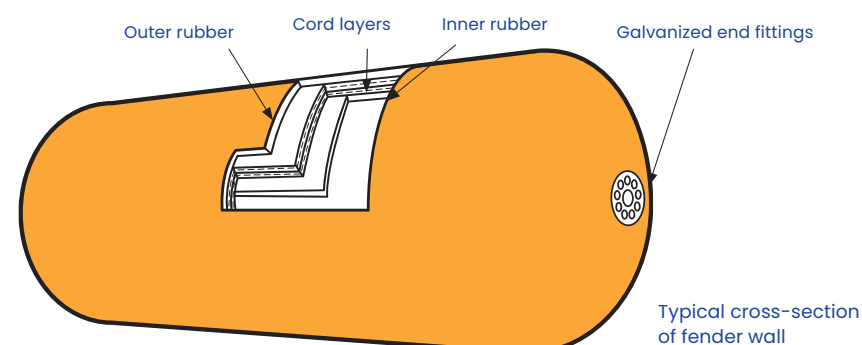
Construction

The body of the fender is composed of an inner rubber layer, multiple layers of reinforced synthetic tire cord, and an outer rubber layer. All layers are vulcanized together and tested via hydrostatic pressure testing.

The outer rubber layer is engineered to withstand heavy-duty use, including abrasion from harsh weather conditions, while protecting the inner cord and rubber layers.

The synthetic tire cord layers are arranged at optimal angles to distribute pressure and load evenly. The inner rubber compound is designed to be completely airtight, using material similar to that of a car tire's inner lining.

To ensure maximum strength and safety, the shell of a hydropneumatic fender is thicker than that of a standard pneumatic fender



Fenders

Propriedades do Exterior e Interior de Material de Borracha				
Test Item		Inspection Methods	Outer Rubber	Inner Rubber
Before Aging	Tensile Strength	ISO 37:1994	18 MPa or more	10 Mpa or more
	Elongation	ISO 37:1994	400% or more	400% or more
	Hardness	ISO 7619:1997	60±10 (Type A Hardness – Rigid Durometer)	50±10 (Type A Hardness – Rigid Durometer)
After Aging Method Test Conditions (ISO188:1998) 70±1°C x 96 hrs	Test Conditions	ISO 37:1994	Not less than 80% of original property value	Not less than 80% of original property value
	Elongation	ISO 37:1994	Not less than 80% of original property value	Not less than 80% of original property value
	Hardness	ISO 7619:1997	Shall not exceed the original property value by more than 8	Shall not exceed the original property value by more than 8
Breaking Strength		ISO 34-1:1994	400N/cm or more	Not required
Compression Tes		ISO 815:1991	30% (70% recovery after 72 hrs)	Not required
Outer Rubber		ISO 1431-1:1989	No cracks after elongation of 20% and exposure to 50pphm at 40°C	Not required

Images for illustrative purposes only.

Simple and Low Installation Costs

The weight of the fender is supported by the water it floats in. Therefore, the fenders can be simply moored using ropes or chains at a minimal cost. They can be easily removed and relocated when not in use and transferred to other alternative mooring points when required.

Chains and Tire Nets

In the vast majority of cases, the chain and tire net will be equipped to a pneumatic fender to protect the body from damage caused by sharp objects or by absorbing pure load during mooring. The better the net, the more protection it will offer.

From our experience using these fenders ourselves, we have developed a high and unique protection system with a net that provides more protection to the fender's body than any other net available on the market today – potentially extending the fender's lifespan.

Fenders

We have the broadest experience possible in the variety of protective net needs and offer a range that meets all requirements:

- Lightweight nets that meet ship crane and davit limitations.
- Heavy-duty nets to handle harsh sea conditions and high shock loads.
- Double nets to provide options for impasse.
- Tire nets without markings for naval marine and cruise ship applications.
- Cable nets for excessive lightweight applications.
- Stainless steel nets for non-magnetic requirements

All Loquen nets are designed with ease of maintenance in mind. The net is constructed in sections, making it easy and cost-effective to repair if a specific area of the net sustains damage.

Identification

Each fender has the following markings:

- Identification requirements
- International standard number and year of application
- Size (diameter and width)
- Initial internal pressure
- Manufacturing date
- Manufacturer's name
- Individual serial number
- Layer reinforcement type
- RFID marking system

The Radio Frequency Identification (RFID) is now equipped on all Loquen® fenders. The marking is embedded in both ends of the fender, allowing easy reading regardless of the positioning. This RFID marking was introduced to allow you to identify the fender individually, even if the visible marking becomes hard to read. It will also assist in record-keeping and inventory management over the long term.

Loquen is able to provide RFID-readable marking as an optional extra. This reading can be accessed on all RFID markings installed on fenders manufactured to these specifications

Loquen also maintains a database of all Loquen® fenders sold worldwide, which can help return lost or stolen fenders to their rightful owners.

Certification

Each fender is supplied with a certificate detailing the following:

- Rubber material and metal accessories
- Satisfactory test results
- Compression test record
- Size and weight
- Serial number record and RFID marking number



Fenders

Technical Execution Table									
Standard Presumed Threads 50 (Metric)									
		Energia Garantida de Absorção (GEA)	Força de Reação na GEA	Pressão do Casco na GEA					
Tamanho Nominal de Diâmetro x Comprimento	Pressão Interna Inicial	E	R	P	Válvula de Fixação de Segurança e Pressão	Teste de Pressão	Peso Aproximado do Corpo da Defesa	Peso Neto Aproximado	Peso to Tipo do Sling (Tipo)
mm x mm	kPa	kNm	kN	kPa	kPa	kPa	kg	kg	kg
500 x 1000	50	6	64	132	-	200	22	160	32
700 x 1500	50	17	137	135	-	200	45	185	55
1000 x 1500	50	32	182	122	-	200	73	250	98
1000 x 2000	50	45	257	132	-	200	88	385	113
1200 x 2000	50	63	297	126	-	200	131	430	156
1350 x 2500	50	102	427	130	-	200	200	675	240
1500 x 3000	50	153	579	132	-	200	250	795	290
1700 x 3000	50	191	639	128	-	200	290	830	330
2000 x 3500	50	308	875	128	-	200	405	1165	465
2000 x 4500	50	418	1188	137	-	200	480	1700	540
2500 x 4000	50	663	1381	137	175	250	902	1745	1080
2500 x 5500	50	943	2019	148	175	250	1090	2765	1320
3300 x 4500	50	1175	1884	130	175	250	1460	2650	1840
3300 x 6500	50	1814	3015	146	175	250	1870	3840	2250
3300 x 10600	50	3067	5257	158	175	250	2560	6755	3060
4500 x 9000	50	4752	5747	146	175	250	3940	7365	-
4500 x 12000	50	6473	7984	154	175	250	4790	9875	-

- Notes:
- The figures in the table comply with the requirements of ISO 1735
 - The weight of the defender body and the net may vary by ±10%. The net weights are based on Loquen's standard design.
 - Special sizes are available upon request.

Images for illustrative purposes only.

Fenders

Fenders

Technical Execution Table									
Standard Presumed Threads 80 (Metric)									
		Energia Garantida de Absorção (GEA)	Força de Reação na GEA	Pressão do Casco na GEA					
Tamanho Nominal de Diâmetro x Comprimento	Pressão Interna Inicial	E	R	P	Válvula de Fixação de Segurança e Pressão	Teste de Pressão	Peso Aproximado do Corpo da Defesa	Peso Neto Aproximado	Peso to Tipo do Sling (Tipo II)
mm x mm	kPa	kNm	kN	kPa	kPa	kPa	kg	kg	kg
500 x 1000	80	8	85	174	-	250	24	160	34
700 x 1500	80	24	180	177	-	250	47	185	57
1000 x 1500	80	45	239	160	-	250	76	250	101
1000 x 2000	80	63	338	174	-	250	92	385	117
1200 x 2000	80	88	390	166	-	250	135	430	160
1350 x 2500	80	142	561	170	-	250	205	675	245
1500 x 3000	80	214	761	174	-	250	277	795	317
1700 x 3000	80	267	840	168	-	250	316	830	356
2000 x 3500	80	430	1150	168	-	250	413	1165	473
2000 x 4500	80	584	1560	179	-	250	488	1700	548
2500 x 4000	80	925	1815	180	230	300	1010	1745	1190
2500 x 5500	80	1317	2653	195	230	300	1230	2765	1460
3300 x 4500	80	1640	2476	171	230	300	1720	2650	2090
3300 x 6500	80	2532	3961	191	230	300	2200	3840	2570
3300 x 10600	80	4281	6907	208	230	300	3030	6755	3520
4500 x 9000	80	6633	7551	192	230	300	4380	7365	-
4500 x 12000	80	9037	10490	202	230	300	5330	9875	-

Notes:
1. The figures in the table comply with the requirements of ISO 17357
2. The weight of the defender body and the net may vary by ±10%. The net weights are based on Loquen's standard design.
3. Special sizes are available upon request.

Images for illustrative purposes only.

Pneumatic Floating Submarine Fenders

To provide complete surface and subsurface protection, pneumatic floating submarine fenders are deployed vertically. They are stabilized with water ballast and feature a counterweight attached to the base. The weight, shape, and deployment method of the counterweight can be customized to suit each specific application.

Global Deployment

Loquen® submarine fenders have been supplied worldwide, including to:

- Australia
- Brazil
- Canada
- Greece
- Japan
- United Kingdom
- United States

Introduced in 1984, these fenders are now extensively used by vessels globally.

Key Advantages

- Cost-effective alternative to deep-water catamarans
- Easy to reposition, offering mooring flexibility
- Simple to transport, enabling emergency mooring setups
- Minimal maintenance required
- Resistant to extreme weather conditions

Specifications

Available in standard sizes and pressure ratings, Loquen submarine fenders accommodate all submarine designs—from small conventional models to the largest nuclear submarines in service today.

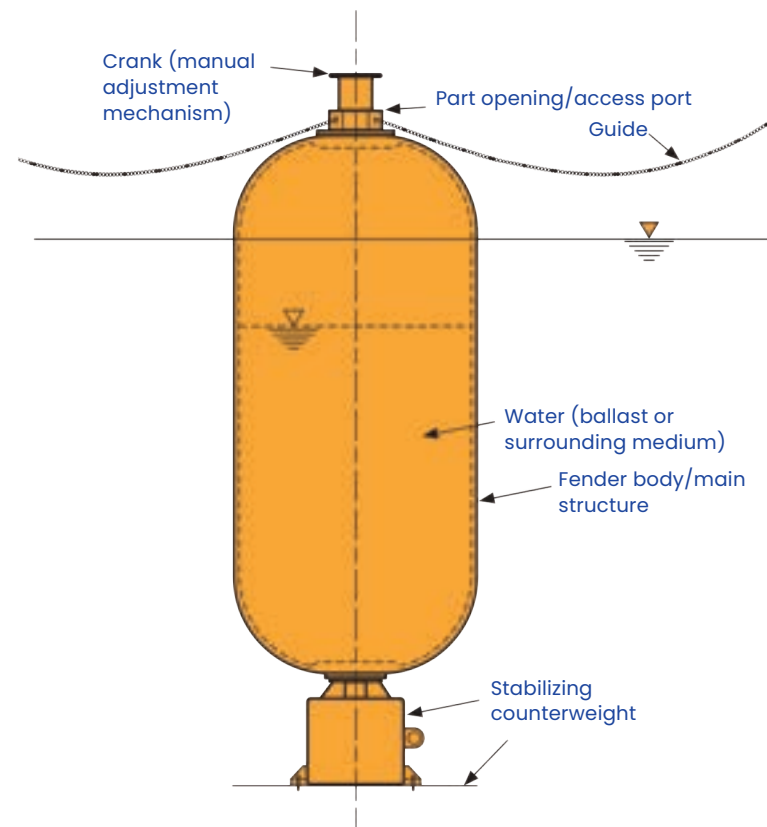
- Adjustable counterweight systems
- Tailored dimensions for specialized vessels
- Pressure variants for different depths



Contruction	
Dimensions (Diameter x Length)	Inflation/operational pressure (typically in kPa or bar)
2000mm x 6000mm	0.5kgf/cm2
2500mm x 5500mm	0.5kgf/cm2
2500mm x 9100mm	0.5kgf/cm2
3300mm x 6500mm	0.5kgf/cm2
3300mm x 10600mm	0.5kgf/cm2
4500mm x 9000mm	0.8kgf/cm2

Images for illustrative purposes only.

Fenders

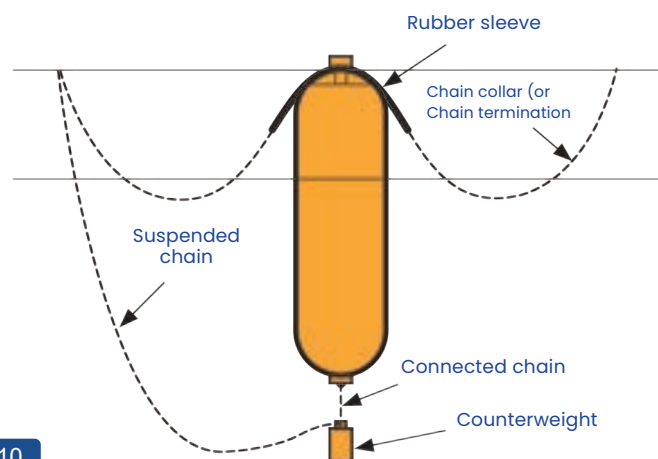


Submarine fenders are designed to provide higher burst strength than standard surface fenders, with minimum burst pressures of

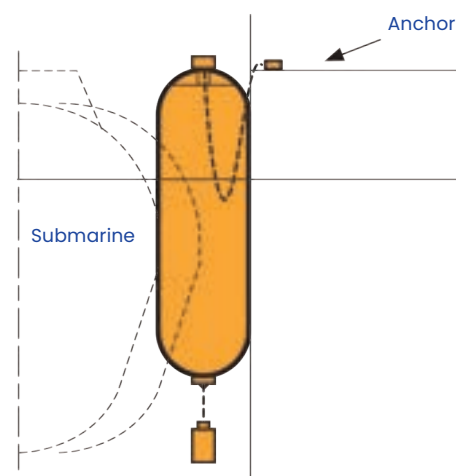
- Diameter $\leq 2000\text{mm}$ = 4.9kgf/cm
- Diameter $\geq 2500\text{mm}$ = 5.7kgf/cm²

For easier loading/unloading, a manhole opening is located at each fender end. Additionally, submarine fenders include a safety valve to release excess pressure during compression events

Installation Components



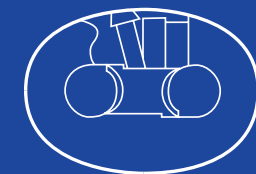
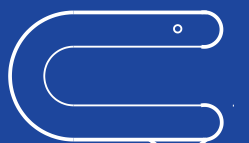
Related Elements



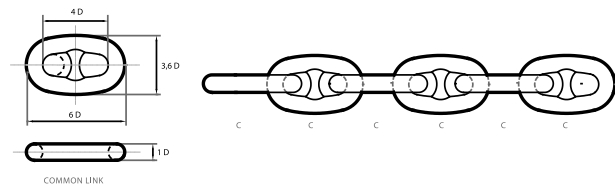
MOORING EQUIPMENTS

- Anchor Chain
- Mooring Chain
- Accessory
- Drawing of Production
- Mechanical Properties
- Weight
- Testing Load of Anchor Chain and Accessories
- Kenter Shackle
- Offshore Mooring Chain Accessories
- C Type Shaped Detachable Connecting Link
- Triangle Plate Straight Type
- Hook
- Rope Shackle Link

08



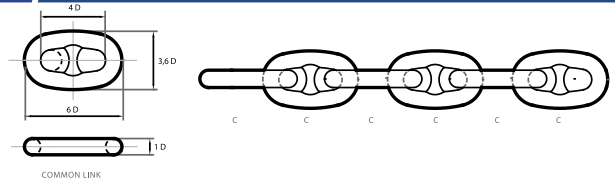
Achor Chain



Product	Stud anchor chain	Studless anchor chain
Grade	M2. M3	M2. M3
Size	12.5-178mm	12.5-178mm
Certificate	ABS, BV, CCS, CR, DNV GL, KR, LR, NK, RINA, RMRS	

Images for illustrative purposes only.

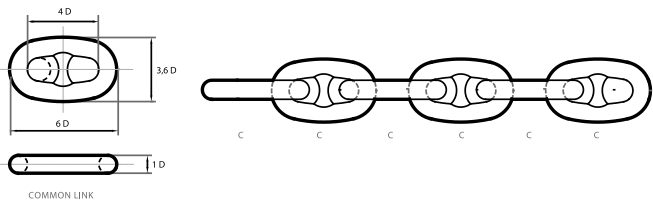
Mooring Chain



Product	Stud mooring chain	Studless anchor chain
Grade	R3, R3S, R4, R4S, R5, R6	R3, R3S, R4, R4S, R5, R6
Size	38-200mm	38-200mm
Certificate	ABS, BV, CCS, CR, DNV GL, KR, LR, NK, RINA, RMRS	

Images for illustrative purposes only.

Acessory

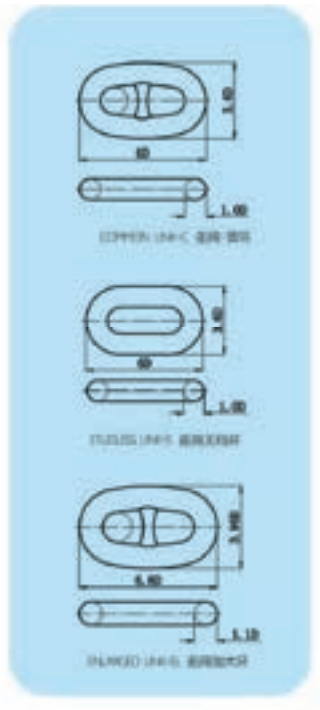


Product	Anchor Chain Accessories	Mooring Chain Accessories
Grade	M2, M3	R3, R3S, R4, R4S, R5, R6
Size	152mm	187mm
Certificate	ABS, BV, CCS, CR, DNV-GI, KR, LR, NK, RINA, RMRS	ABS, BV, CCS, DNV-GI, LR, NK, RMRS

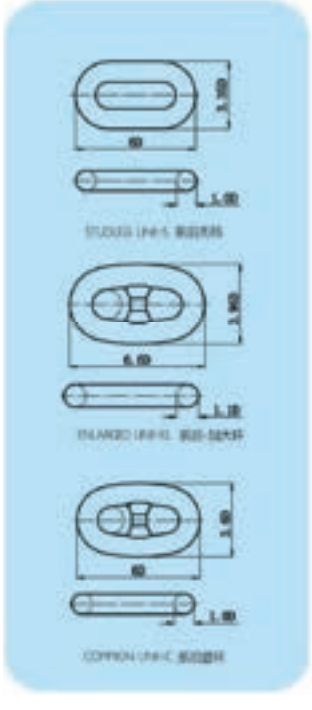
Images for illustrative purposes only.

Drawings of Production

Anchor Chain-Enlarged Link

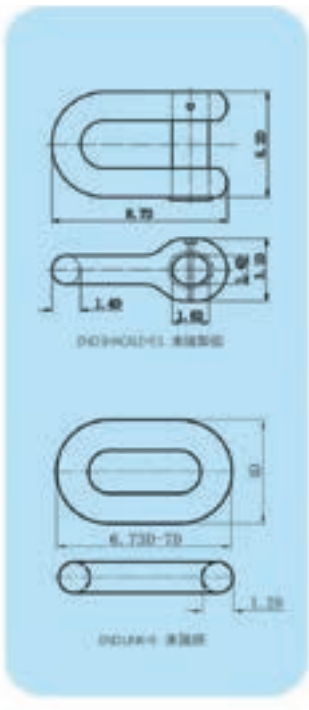


Mooring Chain-Studless Link Mooring Chain-Enlarged Link



Joining Shackle

End Link



Mechanincal Properties

PRODUCT ETA MAY VERY ACCORDING TO SPECIFIC PROJECT PREMISES

Anchor Chain						
Grade	Yield Strength (N mm .min)	Tensie Strenght (N mm .min)	Elongation (%,min)	Reduction Of Area (%,min)	Charpy V-notch	
					Test Temperature (c)	Impact (J.min)
2	> 295	490-690	≥22	---	0	≥27
3	>410	>690	≥17	≥40	0	≥60 ≥50(weld)
*4	>490	>780	≥12	>50	-20	≥45 ≥33(weld)

Images for illustrative purposes only.

PRODUCT ETA MAY VERY ACCORDING TO SPECIFIC PROJECT PREMISES

Mooring Chain							
Grade	Yield Strength (N mm .min)	Tensie Strenght (N mm .min)	Elongation (%,min)	Reduction Of Area (%,min)	Charpy V-notch		
					Impact (j.min)		
					Test Temperature (c)	Base Part	Weld Part
Api Spec 2F(ORQ)	---	641	17	40	0	58	49
					-15	40	36
ABS RQ3 DNV NVR3	410	690	17	50	0	60	50
					-20	40	30
ABS RQ3S DNV NVR3S	490	770	15	50	0	65	53
					-20	45	33
ABS RQ4 DNV NVR4	580	860	12	50	-20	50	36
ABS R4S DNV NVR5	700	960	12	50	-20	56	40
ABS R5 DNV NVR5	760	1000	12	50	-20	58	42
*R6	840	1110	12	50	-20	58	42

Images for illustrative purposes only.

Weight

Chain Diameter (mm)	Stud Link Chain KG 27.5 M	Common link	Enlarged link	End Link	Kenter Shackle	Joining Shackle	End Shackle	Swivel	Anchor Swivel Shackle A.SWS(a)	Anchor Swivel Shackle A.SWS(b)
12.5	105	0.19	0.26	0.26	0.45	0.48	1.1	0.8	6.4	1.8
14	142	0.26	0.39	0.32	0.6	0.67	1.5	1.05	9	2.5
16	175	0.35	0.49	0.57	0.65	0.95	1.52	1.34	14	3.2
17.5	197	0.50	0.66	0.67	0.88	1.34	2.05	1.73	14	4.9
19	245	0.66	0.85	1.06	1.13	1.84	2.41	2.17	17	6.3
20.5	268	0.80	1.02	1.06	1.36	2.2	3.25	2.2	17	7.9
22	324	1.04	1.30	1.58	1.64	2.66	3.95	3.5	22	9.8
24	370	1.30	1.65	1.84	2.13	3.4	5.12	4.53	22	12.8
26	431	1.64	2.03	2.74	2.58	4.5	6.7	5.79	43	16.2
28	496	2.04	2.48	3.23	3.3	5.19	8.1	7.25	43	20.3
30	563	2.48	3.58	3.74	4.15	6.32	10	9	98	24.9
32	635	2.98	4.45	4.74	5.06	8.24	11.77	10.03	98	30.2
34	712	3.54	5.21	5.54	6.01	9.56	14.2	12.75	118	36.3
36	800	4.23	5.99	6.95	6.89	11.31	16.55	14.96	118	43.1
38	888	4.96	6.15	7.66	8.4	13.45	19.55	17.44	118	51
40	1033	6.04	8.01	8.2	9.63	15.5	22.8	20.25	128	59
42	1084	6.65	9.04	9.92	11	18.1	26	25.4	128	68
44	1197	7.73	10.65	11.42	12.45	20.25	29.71	26.6	160	79
46	1310	8.80	11.54	13.92	14.1	23.33	34.3	30.67	160	90
48	1438	10.06	14.44	15.67	16.7	27.5	38.0	35.0	160	102
50	1546	11.28	16.06	17.7	19.0	31.6	45.2	40.5	289	115
52	1661	12.68	17.85	18.97	20.3	34.0	50.9	49.5	289	130
54	1791	14.10	19.60	20.84	23.7	38.5	53.8	50.5	300	145
56	1926	15.66	21.69	23.55	26.7	46.0	63.0	55.0	300	162
58	2086	17.83	24.0	25.95	27.2	46.8	70.0	64.6	330	180
60	2249	19.90	26.0	28.48	27.7	51.0	77.5	71.3	330	199
62	2361	21.66	28.63	30.81	35	59.2	86.3	77.7	330	220
64	2516	23.51	31.33	32.7	38.4	62.7	96.3	83.3	458	242
66	2676	25.98	35.0	38.4	42.3	75	99.6	88.7	458	265
68	2885	28.60	39.72	39.5	46.0	76.7	102.6	100.0	458	290
70	3010	31.00	43.33	43.8	48.7	90	126.2	107.8	522	317
73	3274	35.20	48.30	49	53.0	95	138.2	125.6	522	359
76	3548	39.90	53.6	57.1	60.7	107	146	143.8	522	405
78	3737	43.00	59.6	62.3	65.5	116	164	154	815	438
81	4030	48.60	66.0	67.4	75	130	190	188	815	491
84	4334	53.50	69.0	74.4	90	136	212	198	1007	547
87	4650	58.90	81.1	84.6	96	160	237	215	1007	608
90	4976	66.35	88.0	91	108	176	245	238	1300	673
92	5199	71.22	97.5	100	114	196	257	252	1300	781
95	5544	78.08	101	109	128	215	300	269	1300	833
97	5780	83.77	107	117	133	222	335	301	1610	842
100	6143	89.03	120	127	146	252	353	330	1610	923
102	6398	95.50	130	134	158	267	378	344	1610	980
105	6773	104.20	139	150	160	294	385	387	1827	1069
107	7033	111.63	148	160	180	305	420	428	1827	1131
111	7569	124.08	161	171	198	325	463	448	2022	1262
114	7983	135.31	168	190	204	345	485	460	2022	1368
117	8409	147.53	177	209	225	365	528	475	2022	1478
120	8863	155.49	204	229	250	400	570	547	2336	1595
122	9143	166.64	218	234	263	435	602	649	2336	1676
124	9399	170.90	228	246	290	465	632	680	2636	1760
127	9830	185.47	244	269	312	499	679	729	2636	1891
130	10300	194.34	264	293	333	536	729	784	2960	2028
132	10620	208.24	270	298	350	561	762	820		2123
137	11439	233.45	298	329	392	627	852	912	3309	2374
142	12289	261.47	333	383	436	698	949	1012	3685	2643
147	13170	297.67	377	419	485	774	1053	1124	4088	2932
152	14081	312.91	416	458	537	856	1164	1238	4520	3242
157	15023	349.37	450	499	591	943	1283	1360	4980	3572
162	15995	390.12	496	542	651	1036	1410	1490	5470	3925

Images for illustrative purposes only.

PRODUCT ETA MAY VERY ACCORDING TO SPECIFIC PROJECT PREMISES

Testing Load of Anchor Chain and Accessories

	Anchor Chain				
	Grade 2		Grade 3		
	PL	BL	PL	BL	
	KN	KN	KN	KN	
12.5	66	92	92	132	
14	82	116	116	165	
16	107	150	150	216	
17.5	127	179	179	256	
19	150	211	211	301	
20.5	175	244	244	349	
22	200	280	280	401	
24	237	332	332	476	
26	278	389	389	556	
28	321	449	449	642	
30	368	514	514	735	
32	417	583	583	833	
34	468	655	655	937	
36	523	732	732	1050	
38	581	812	812	1160	
40	640	896	896	1280	
42	703	981	981	1400	
44	769	1080	1080	1540	
46	837	1170	1170	1680	
48	908	1270	1270	1810	
50	981	1370	1370	1960	
52	1060	1480	1480	2110	
54	1140	1590	1590	2270	
56	1220	1710	1710	2430	
58	1290	1810	1810	2600	
60	1380	1940	1940	2770	
62	1470	2060	2060	2940	
64	1560	2190	2190	3130	
66	1660	2310	2310	3300	
68	1750	2450	2450	3500	
70	1840	2580	2580	3690	
73	1990	2790	2790	3990	
76	2150	3010	3010	4300	
78	2260	3160	3160	4500	
81	2410	3380	3380	4820	
84	2580	3610	3610	5160	
87	2750	3850	3850	5500	
90	2920	4090	4090	5840	
92	3040	4260	4260	6080	
95	3230	4510	4510	6440	
97	3340	4680	4680	6690	
100	3530	4940	4940	7060	
102	3660	5120	5120	7320	
105	3850	5390	5390	7700	
107	3980	5570	5570	7960	
111	4250	5940	5940	8480	
114	4440	6230	6230	8890	
117	4650	6510	6510	9300	
120	4850	6810	6810	9720	
122	5000	7000	7000	9990	
124	5140	7200	7200	10280	
127	5350	7490	7490	10710	
130	5570	7800	7800	11140	
132	5720	8000	8000	11420	
137	6080	8510	8510	12160	
142	6450	9030	9030	12910	
147	6840	9560	9560	13660	
152	7220	10100	10100	14430	
157	7600	10640	10640	15200	
162	7990	11180	11180	15980	
165					
168	load (kn)	Grade 2		Grade 3	
171					
175					
178	PI	0.0098bld ² (44-0.08d)		0.01373d ² (44-0.08d)	
180					
182					
185	BL	0.01373d ² (44-0.08d)		0.0196ld ² (44-0.08d)	
188					
191					
194					
197					

Images for illustrative purposes only.

PRODUCT ETA MAY VARY ACCORDING TO SPECIFIC PROJECT PREMISES

Testing Load of Anchor Chain and Accessories

Diameter Of Chain	Anchor Chain			
	Grade 2		Grade 3	
	PL	BL	PL	BL
	ibf	ibf	ibf	ibf
9/16	19300	27000	27000	38600
5/8	23700	33200	33200	47500
11/16	28600	40100	40100	57300
3/4	34000	47600	47600	68000
13/16	39800	55700	55700	79500
7/8	46000	64400	64400	91800
15/16	52600	73700	73700	105000
1	59700	83600	83600	119500
1 1/16	67200	94100	94100	135000
1 1/8	75000	105000	105000	150000
1 3/16	83400	116500	116500	167000
1 1/4	92200	129000	129000	184000
1 5/16	101500	142000	142000	203000
1 3/8	111000	155000	155000	222000
1 7/16	120500	169000	169000	241000
1 1/2	131000	183500	183500	262000
1 9/16	142000	198500	198500	284000
1 5/8	153000	214000	214000	306000
1 11/16	166500	229000	229000	327000
1 3/4	176000	247000	247000	352000
1 13/16	188500	264000	264000	377000
1 7/8	201000	281000	281000	402000
1 15/16	214000	299000	299000	427000
2	227000	318000	318000	454000
2 3/16	241000	337000	337000	482000
2 1/4	255000	357000	357000	510000
2 5/16	269000	377000	377000	538000
2 3/8	284000	396000	396000	570000
2 7/16	299000	418000	418000	598000
2 1/2	314000	440000	440000	628000
2 9/16	330000	462000	462000	660000
2 5/8	346000	484000	484000	692000
2 11/16	363000	507000	507000	726000
2 3/4	379000	530000	530000	758000
2 1/6	396000	554000	554000	792000
2 13/16	413000	578000	578000	826000
2 1/8	431000	603000	603000	861000
2 7/8	449000	628000	628000	897000
2 15/16	467000	654000	654000	934000

Images for illustrative purposes only.

PRODUCT ETA MAY VARY ACCORDING TO SPECIFIC PROJECT PREMISES

Testing Load of Anchor Chain and Accessories

Testing Load of Anchor Chain and Accessories

Diameter Of Chain	Anchor Chain			
	Grade 2		Grade 3	
	PL	BL	PL	BL
Inch	lbf	lbf	lbf	lbf
3	485000	679000	679000	970000
3 1/16	504000	705000	705000	1008000
3 1/8	523000	732000	732000	1046000
3 3/16	542000	759000	759000	1084000
3 1/4	562000	787000	787000	1124000
3 5/16	582000	814000	814000	1163000
3 3/8	602000	843000	843000	1204000
3 7/16	622000	871000	871000	1244000
3 1/2	643000	900000	900000	1285000
3 9/16	664000	929000	929000	1327000
3 5/8	685000	958000	958000	1369000
3 3/4	728000	1019000	1019000	1455000
3 7/8	772000	1080000	1080000	1543000
3 15/16	794000	1111000	1111000	1587000
4	816000	1143000	1143000	1632000
4 1/8	862000	1207000	1207000	1724000
4 1/4	908000	1272000	1272000	1817000
4 3/8	956000	1338000	1338000	1911000
4 1/2	1004000	1405000	1405000	2008000
4 5/8	1053000	1474000	1474000	2105000
4 3/4	1102000	1543000	1543000	2204000
4 7/8	1153000	1613000	1613000	2305000
5	1203000	1685000	1685000	2407000
5 1/8	1255000	1757000	1757000	2509000
5 1/4	1306000	1829000	1829000	2613000
5 3/8	1359000	1903000	1903000	2718000
5 1/2	1412000	1977000	1977000	2824000
5 5/8	1466000	2052000	2052000	2932000
5 3/4	1520000	2128000	2128000	3039000
5 7/8	1573700	2203400	2203400	3147300
6	1629000	2280000	2280000	3257000
6 1/8	1684000	2357000	2357000	3367000
6 1/4	1738700	2434400	2434400	3477300
6 3/8	1795000	2512000	2512000	3589000
6 1/2	LOAD (kn)	Grade 2	Grade 3	
6 5/8				
6 3/4				
6 7/8	PL	1422d (44-2.032d) ²	1991 d ² (44-2.032d)	
7				
7 1/8				
7 1/4				
7 3/8				
7 1/2	BL	1991 d ² (44-2.032d)	2844 d ² (44-2.032d)	
7 5/8				
7 3/4				
7 7/8				

Images for illustrative purposes only.

PRODUCT ETA MAY VARY ACCORDING TO SPECIFIC PROJECT PREMISES

Diameter of Chain	MOORING CHAIN													
	C/EL/E/SL		C/EL/E	SL	C/EL/E/SL	C/EL/E	SL	C/EL/E/SL	C/EL/E	SL	C/EL/E/SL	C/EL/E	SL	C/EL/E/SL
	RQ3		R3S				R4		R4S			R5		
	PL	BL	PL	PL	BL	PL	PL	BL	PL	PL	BL	PL	PL	BL
mm	KN	KN	KN	KN	KN	KN	KN	KN	KN	KN	KN	KN	KN	KN
50	1560	2230	1800	1740	2490	2160	1920	2740	2400	2130	3040	2510	2230	3200
52	1681	2403	1940	1875	2683	2327	2069	2952	2586	2295	3275	2704	2403	3448
54	1806	2581	2083	2014	2882	2500	2222	3171	2777	2465	3518	2905	2581	3703
56	1934	1764	2231	2157	3086	2677	2380	3396	2975	2640	3768	3111	2764	3966
58	2066	2953	2384	2304	3297	2860	2543	3628	3178	2821	4026	3324	2953	4238
60	2202	3147	2541	2456	3514	3049	2710	3867	3387	3006	4291	3543	3147	4516
62	2342	3347	2702	2612	3737	3242	2882	4112	3602	3197	4563	3767	3347	4803
64	2485	3552	2867	2771	3966	3440	3058	4364	3823	3393	4842	3998	3552	5097
66	2632	3762	3036	2935	4200	3644	3239	4622	4048	3593	5128	4234	3762	5398
68	2782	3977	3210	3103	4440	3852	3424	4886	4280	3798	5421	4476	3977	5706
70	2936	4196	3387	3274	4686	4065	3613	5156	4516	4008	5721	4723	4196	6022
73	3173	4535	3661	3539	5064	4393	3905	5572	4881	4332	6182	5105	4535	6508
76	3417	4885	3943	3812	5454	4731	4206	6002	5257	4666	6659	5498	4885	7009
78	3584	5124	4136	3998	5721	4963	4411	6295	5514	4894	6984	5767	5124	7352
81	3841	5490	4432	4284	6130	5318	4727	6746	5909	5244	7484	6179	5490	7878
84	4104	5866	4735	4578	6550	5682	5051	7208	6314	5603	7997	6603	5866	8418
87	4374	6252	5047	4879	6981	6056	5383	7682	6729	5972	8523	7037	6252	8972
90	4651	6648	5366	5187	7423	6439	5724	8168	7154	6350	9062	7482	6648	9539
92	4838	6916	5583	5397	7723	6699	5955	8498	7443	6606	9428	7785	6916	9924
95	5125	7326	5914	5717	8180	7096	6308	9002	7885	6998	9987	8246	7326	10513
97	5320	7604	6138	5934	8491	7366	6547	9343	8184	7263	10366	8559	7604	10912
100	5616	8028	6480	6264	8964	7776	6912	9864	8640	7668	10944	9036	8028	11520
102	5817	8316	6712	6489	9285	8055	7160	10217	8950	7943	11336	9360	8316	11933
105	6123	8753	7065	6830	9774	8478	7536	10755	9420	8361	11932	9852	8753	12560
107	6330	9049	7304	7061	10104	8765	7791	11118	9739	8643	12335	10185	9049	12985
111	6751	9650	7789	7530	10775	9347	8309	11857	10386	9217	13155	10862	9650	13847
114	7072	10109	8160	7888	11288	9792	8704	12421	10880	9656	13781	11378	10109	14506
117	7398	10575	8536	8251	11808	10243	9105	12993	11381	10101	14416	11903	10575	15174
120	7728	11047	8917	8620	12335	10700	9511	13573	11889	10552	15059	12434	11047	15852
122	7951	11365	9174	8868	12690	11008	9785	13964	12232	10856	15493	12792	11365	16309
124	8175	11686	9433	9118	13048	11319	10062	14358	12577	11162	15931	13153	11686	16769
127	8515	12172	9825	9498	13591	11790	10480	14956	13100	11626	16593	13700	12172	17466
130	8859	12663	10222	9881	14140	12266	10903	15559	13629	12095	17263	14253	12663	18171
132	9090	12994	10488	10139	14509	12586	11188	15965	13984	12411	17713	14625	12994	18646
137	9674	13829	11163	10791	15442	13395	11907	16992	14884	13209	18852	15566	13829	19845
142	10268	14677	11847	11452	16389	14217	12637	18034	15796	14019	20008	16520	14677	21061
147	10869	15536	12541	12123	17348	15049	13377	19089	16721	14840	21179	17487	15536	22294
152	11476	16405	13242	12800	18318	15890	14125	20157	17656	15669	22364	18465	16405	23541
157	12090	17282	13950	13485	19297	16740	14880	21235	18600	16507	23559	19452	17282	24799
162	12708	18166	14664	14175	20284	17596	15641	22321	19551	17352	24765	20447	18166	26068
165	13081	18699	15094	14590	20879	18112	16100	22976	20125	17861	25491	21047	18699	26833
168	13455	19234	15525	15008	21477	18631	16560	23633	20701	18372	26221	21649	19234	27601
171	13831	19771	15959	15427	22076	19150	17022	24292	21278	18884	26952	22253	19771	28371
175	14333	20488	16538	15986	22877	19845	17640	25174	22050	19569	27930	23061	20488	29400
178	14709	21027	16972	16407	23479	20367	18104	25836	22630	10084	28665	23667	21027	30173
180	14961	21387	17263	16687	23880	20715	18414	26278	23017	20428	29155	24072	21387	30689
182	LOAN (KN)		stud chain		stud chain		stud chain		stud chain		stud chain		stud chain	
185	PL		0.0156D ² (44-0.08D)		0.0180D ² (44-0.08D)		0.0216D ² (44-0.08D)		0.0240D ² (44-0.08D)		0.0251D ² (44-0.08D)		0.0251D ² (44-0.08D)	
188	BL		0.0223D ² (44-0.08D)		0.0249D ² (44-0.08D)		0.0274D ² (44-0.08D)		0.0304D ² (44-0.08D)		0.0320D ² (44-0.08D)		0.0320D ² (44-0.08D)	
191	LOAN (KN)		stud chain		stud chain		stud chain		stud chain		stud chain		stud chain	
194	PL		0.0156D ² (44-0.08D)		0.01743D ² (44-0.08D)		0.01918D ² (44-0.08D)		0.0213D ² (44-0.08D)		0.0223D ² (44-0.08D)		0.0223D ² (44-0.08D)	
197														
200	BL		0.0223D ² (44-0.08D)		0.0249D ² (44-0.08D)		0.0274D ² (44-0.08D)		0.0304D ² (44-0.08D)		0.0320D ² (44-0.08D)		0.0320D ² (44-0.08D)	

Testing Load of Anchor Chain and Accessories

Testing Load of Anchor Chain and Accessories

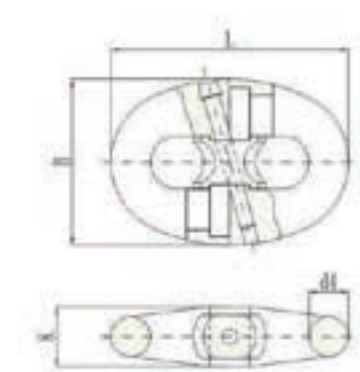
Diameter of Chain	MOORING CHAIN													
	C/EL/E/SL		C/EL/E	SL	C/EL/E/SL	C/EL/E	SL	C/EL/E/SL	C/EL/E	SL	C/EL/E/SL	C/EL/E	SL	C/EL/E/SL
	RQ3		R3S				R4		R4S			R5		
	PL	BL	PL	PL	BL	PL	PL	BL	PL	PL	BL	PL	PL	BL
mm	lbf	lbf	lbf	lbf	lbf	lbf	lbf	lbf	lbf	lbf	lbf	lbf	lbf	lbf
1 3/8	176222	252101	203333	196867	281238	243454	216888	309829	271266	240805	343640	28731	252101	361714
1 7/16	19201	274691	221553	214507	306439	265269	236323	337592	295573	262383	374432	309155	274691	394126
1 1/2	208426	298172	240491	232843	332633	287944	256524	366449	320839	284811	406439	335582	298172	427816
1 9/16	225455	372534	260140	251868	359811	311471	277483	396390	347053	308082	439647	363000	322534	462770
1 5/8	243093	347767	280492	271573	387961	335838	299192	427401	374205	332185	474043	391400	347767	498975
1 11/16	261334	373863	301540	291951	417072	361039	321642	459472	402284	357111	509613	420769	373863	536417
1 3/4	280171	400811	323274	312994	447134	387062	344826	492591	431280	382851	546346	451098	400811	575081
1 13/16	299597	428601	345689	334696	478136	413899	368735	526745	461183	409396	584227	482375	428601	614955
1 7/8	319605	457225	368775	357048	510068	441541	393360	561923	491983	436737	623244	514589	457225	656024
1 15/16	340189	486671	392526	380043	542918	469978	418691	598112	523668	464864	663383	547731	486671	698274
2	361341	516932	416932	403674	576676	499200	444728	635302	556229	493769	704631	581788	516932	741692
2 1/16	383056	547997	441988	427932	611331	529200	471454	673481	589655	523442	746976	616750	547997	786264
2 1/8	405326	579856	467684	452811	646873	559966	498863	712635	623937	553874	790403	652607	579856	831975
2 3/16	428145	612500	494013	478303	683290	591491	526947	752755	659063	585055	834901	689347	612500	878813
2 1/4	451505	645920	520968	504400	720572	623764	555699	793827	695022	616977	880455	726959	645920	926763
2 5/16	475401	680105	548540	531096	758708	656776	585109	835840	731806	649631	927053	765433	680105	975812
2 3/8	499825	715046	576721	558381	797687	690519	615169	878782	769404	683006	974681	804758	715046	1025945
2 7/16	524771	750733	605505	586150	837499	724982	645872	922641	807804	717094	1023316	844923	750733	1077149
2 1/2	550232	787157	634883	614693	878133	760157	677208	967406	846997	751886	1072976	885917	787157	1129410
2 9/16	576201	824309	664847	643705	919578	796034	709170	1013064	886972	787373	1123617	927729	824309	1182715
2 5/8	602672	862177	695390	673276	961823	832603	741750	1059604	927720	823545	1175236	970349	862177	1237048
2 11/16	629637	900754	726504	703401	1004858	869857	774938	1107014	969229	860393	1227820	1013766	900754	1292398
2 3/4	657091	940029	758181	734071	1048672	907784	808727	1155282	1011489	897907	1281355	1057968	940029	1348749
2 13/16	685025	979992	790414	765278	1093254	946377	843108	1204397	1054491	936080	1335829	1102945	979992	1406088
2 7/8	713435	1020634	823191	797016	1138593	985625	878073	1254345	1098222	974901	1391229	1148686	1020634	1464401
2 15/16	742312	1061945	856514	829276	1184680	1025519	913614	1305116	1142674	1014361	1447540	1195181	1061945	1523675
3	771650	1103917	890365	862051	1231501	1066050	949723	1356698	1187836	1054452	1504751	1242418	1103917	1583895
3 1/16	801443	1146538	924742	895334	1279049	1107210	986391	1409079	1233697	1095163	1562848	1290386	1146538	1645048
3 1/8	831683	1189799	959934	929117	1327310	1148987	1023610	1462247	1280248	1136486	1621818	1339076	1189799	1707119
3 3/16	862364	1233692	995036	963393	1376275	1191374	1061371	1516190	1327477	1178412	1681648	1388475	1233692	1770096
3 1/4	893480	1278205	1030938	998153	1425933	1234361	1099667	1570897	1375374	1220931	1742325	1438573	1278205	1833963
3 5/16	925023	1323330	1067334	1033392	1476274	1277938	1138489	1626355	1423929	1264034	1803835	1489360	1323330	1898709
3 3/8	956986	1369057	1104215	1069100	1527285	1322096	1177829	1682552	1473132	1307712	1866165	1540824	1369057	1964317
3 7/16	989364	1415376	1141573	1105271	1578958	1366826	1217678	1739478	1522973	1351955	1929303	1592954	1415376	2030776
3 1/2	1022149	1462278	1179402	1141896	1631280	1412119	1258029	1797119	1573440	1396755	1993234	1645740	1462278	2098070
3 9/16	1055334	1509752	1217693	1178969	1684242	1457965	1298872	1855465	1624523	1442103	2057947	1699171	1509752	2166187

Images for illustrative purposes only.

PRODUCT ETA MAY VERY ACCORDING TO SPECIFIC PROJECT PREMISES

Diameter of Chain	MOORING CHAIN														
	C/EL/E/SL		C/EL/E	SL	C/EL/E/SL	C/EL/E	SL	C/EL/E/SL	C/EL/E	SL	C/EL/E/SL	C/EL/E	SL	C/EL/E/SL	
	RQ3		R3S				R4		R4S			R5			
	PL	BL	PL	PL	BL	PL	PL	BL	PL	PL	BL	PL	PL	BL	
mm	lbf	lbf	lbf	lbf	lbf	lbf	lbf	lbf	lbf	lbf	lbf	lbf	lbf	lbf	
3 5/8	1088913	1557790	1256438	1216482	1737832	1504356	1340200	1914503	1676213	1487988	2123428	1753236	1557790	2235111	
3 3/4	1157226	1655518	1335260	1292798	1846854	1598731	1424277	2034609	1781370	1581337	2256641	1863225	1655518	2375330	
3 7/8	1227033	1755383	1415807	1370783	1958261	1695171	1510194	2157342	1888827	1676727	2392767	1975620	1755383	2518617	
3 15/16	1262480	1806093	1456707	1410383	2014832	1744142	1553821	2219664	1943392	1725165	2461890	2032692	1806093	2591375	
4	1298280	1857309	1198015	1450377	2071967	1793600	1597883	2282608	1998501	1774086	2531703	2090334	1857309	2664860	
4 1/8	1370914	1961219	1581824	1531521	2187886	1893946	1687279	2410311	2110310	1873340	2673342	2207280	1961219	2813949	
4 1/4	1444881	2067035	1667170	1614153	2305932	1996133	1778315	2540358	2224171	1974415	2817581	2326373	2067035	2965774	
4 3/8	1520126	2174681	1753992	1698214	2426019	2100086	1870925	2672653	2340000	2077237	2964313	2447524	2174681	3120223	
4 1/2	1596597	2284079	1842227	1783643	2548061	2205732	1965042	2807102	2457714	2181733	3113434	2570648	2284079	3277188	
4 5/8	1674239	2395153	1931814	1870381	2671972	2312996	2060602	2943610	2577232	2287830	3264839	2695657	2395153	3436556	
4 3/4	1752998	2507825	2022690	1958367	2797667	2421803	2157536	3082083	2698470	2395454	3418423	2822466	2507825	3598218	
4 7/8	1832820	2622019	2114793	2047541	2925058	2532079	2255779	3222425	2821344	2504530	3574080	2950986	2622019	3762062	
5	1913652	2737656	2208060	2137842	3054060	2643750	2355264	3364542	2945772	2614986	3731706	3081132	2737656	3927978	
5 1/8	1995440	2854661	2302431	2229112	3184588	2756742	2455926	3508340	3071672	2726749	3891196	3212817	2854661	4095857	
5 1/4	2078130	2972957	2397842	2321589	3316555	2870979	2557698	3653723	3198960	2839743	4052445	3212817	2972957	4265586	
5 3/8	2161667	3092465	2494232	2414913	3449876	2986388	2660514	3800597	3327553	2953896	4215347	3480456	3092465	4437056	
5 1/2	2245999	3213109	2591537	2509125	3584463	3102894	2764306	3948867	3457369	3069135	4379797	3616237	3213109	4610156	
5 5/8	2331071	3334812	2689697	2604163	3720232	3220423	2869010	4098439	3588324	3185385	4545691	3753210	3334812	4784775	
5 3/4	2416829	3457497	2788649	2699968	3857097	3338900	2974559	4249217	3720336	3302572	4712924	3891287	3457497	4960803	
5 7/8	2503220	3581087	2888331	2796480	3994971	3458250	3080886	4401108	3853321	3420625	4881389	4030383	3581087	5138130	
6	2590190	3705505	2988680	2893638	4133768	3578400	3187925	4554015	3987197	3539468	5050984	4170411	3705505	5316644	
6 1/8	2677684	3830674	3089635	2991382	4273403	3699276	3295611	4707846	4221881	3659027	5221601	4311284	3830674	5496235	
6 1/4	2765649	3956516	3191133	3089653	4413790	3820801	3403875	4862504	4257290	3779231	5393137	4452915	3956516	5676793	
6 3/8	2854031	4082955	3293113	3188389	4554842	3942903	3512654	5017896	4393340	3900004	5565486	4595217	4082955	5858208	
6 1/2	2942776	4209913	3395511	3287531	4696473	4065506	3621878	5173926	4529950	4021274	5738543	4738104	4209913	6040367	
6 5/8	3031831	4337314	3498266	3387019	4838598	4188537	3731484	5330500	4667036	4142966	5912204	4881489	4337314	6223161	
6 3/4	3121141	4465081	3601316	3486792	4981131	4311921	3841404	5487523	4804515	4265007	6086363	5025258	4465081	6406480	
6 7/8	3210653	4593135	3704599	3586790	5123986	4435583	3951573	5644901	4942305	4387324	6260915	5169406	4593135	6590213	
7	3300312	4721402	3808053	3686954	5267077	4559450	4061923	5802538	5080322	4509843	6435755	5313765	4721402	6774248	
7 1/8	Stud Links Of Mooring Chain														US Units
7 1/4	(lbs)	R3				R3S		R4		R4S			R5		
7 3/8	PL	2262d ⁴ (44-2.032d)				2610d ⁴ (44-2.032d)		3125d ⁴ (44-2.032d)		3482d ⁴ (44-2.032d)			3642d ⁴ (44-2.032d)		
7 1/2	BL	3236d ⁴ (44-2.032d)				3610d ⁴ (44-2.032d)		3977d ⁴ (44-2.032d)		4411d ⁴ (44-2.032d)			4643d ⁴ (44-2.032d)		
7 5/8	Studless Links														
7 3/4	(lbs)	R3				R3S		R4		R4S			R5S		
7 3/4	PL	2262d (44-2.032d)				2610d (44-2.032d)		3125d ⁴ (44-2.032d)		3482d ⁴ (44-2.032d)			3642d ⁴ (44-2.032d)		
7 7/8	BL	3236d ⁴ (44-2.032d)				3610d ⁴ (44-2.032d)		3977d ⁴ (44-2.032d)		4411d ⁴ (44-2.032d)			4643d ⁴ (44-2.032d)		

Kenter Shackle



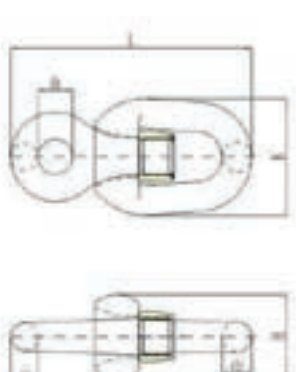
d= nominal diameter of common link (mm)

d	d4	B	K	L	d	d4	B	K	L
50	50	210	76	300	97	97	407	147	582
52	52	218	79	312	100	100	420	152	600
54	54	227	82	324	102	102	428	155	612
56	56	235	85	336	105	105	441	160	630
58	58	244	88	348	107	107	449	163	642
60	60	252	91	360	111	111	466	169	666
62	62	260	94	372	114	114	479	173	684
64	64	269	97	384	117	117	491	178	702
66	66	277	100	396	120	120	504	182	720
68	68	286	103	408	122	122	512	185	732
70	70	294	106	420	124	124	521	188	744
73	73	307	111	438	127	127	533	193	762
76	76	319	115	456	130	130	546	198	780
78	78	328	119	468	132	132	554	201	792
81	81	340	123	486	137	137	575	208	822
84	84	353	128	504	142	142	596	216	852
87	87	365	132	522	147	147	617	223	882
90	90	378	137	540	152	152	638	231	912
92	92	386	140	552	157	157	659	239	942
95	95	399	140	570	162	162	680	246	972

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Offshore Mooring Chain Accessories



d= diagonal diameter of common link (mm)

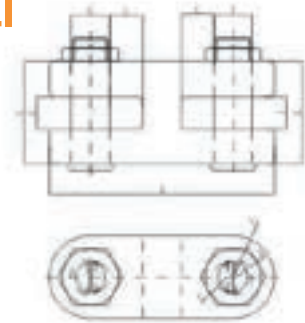
d	d1	d2	B	d4	H	L	d	d1	d2	B	d4	H	L
12.5	14	15	59	18	43	121	70	77	84	329	98	238	679
14	15	17	66	20	48	136	73	80	88	343	102	248	708
16	18	19	75	22	54	155	76	84	91	357	106	258	737
17.5	19	21	82	25	60	170	78	86	94	367	109	265	757
19	21	23	89	27	65	184	81	89	97	381	113	275	786
20.5	23	25	96	29	70	199	84	92	101	395	118	286	815
22	24	26	103	31	75	213	87	96	104	409	122	296	844
24	26	29	113	34	82	233	90	99	108	423	126	306	873
26	29	31	122	36	88	252	92	101	110	432	129	313	892
28	31	34	132	39	95	272	95	105	114	447	133	323	922
30	33	36	141	42	102	291	97	107	116	456	136	330	941
32	35	38	150	45	109	310	100	110	120	470	140	340	970
34	37	41	160	48	116	330	102	112	122	479	143	347	989
36	40	43	169	50	122	349	105	116	126	494	147	357	1019
38	42	46	179	53	129	369	107	118	128	503	150	364	1038
40	44	48	188	56	136	388	111	122	133	522	155	377	1077
42	46	50	197	59	143	407	114	125	137	536	160	388	1106
44	48	53	207	62	150	427	117	129	140	550	164	398	1135
46	51	55	216	64	156	446	120	132	144	564	168	408	1164
48	53	58	226	67	163	466	122	134	146	573	171	415	1183
50	55	60	235	70	170	485	124	136	149	583	174	422	1203
52	57	62	244	73	177	504	127	140	152	597	178	432	1232
54	59	65	254	76	184	524	130	143	156	611	182	442	1261
56	62	67	263	78	190	543	132	145	158	620	185	449	1280
58	64	70	273	81	197	563	137	151	164	644	192	466	1329
60	66	72	282	84	204	582	142	156	170	667	199	483	1377
62	68	74	291	87	211	601	147	162	176	691	206	500	1426
64	70	77	301	90	218	621	152	167	182	714	213	517	1474
66	73	79	310	92	224	640	157	173	188	738	220	534	1523
68	75	82	320	95	231	660	162	178	194	761	227	551	1571

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Offshore Mooring Chain Accessories

MHLI



d= diagonal diameter of common link (mm)

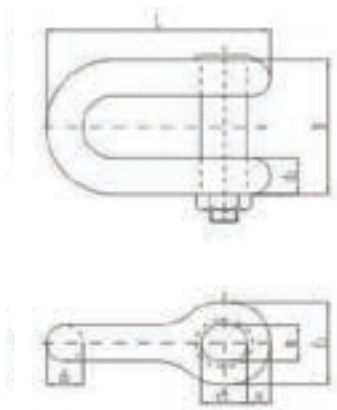
d	A	B	C	D	E	F	G	H	I	J	L
50	410	188	188	30	25	70	70	58	58	75	60
52	426	195	195	31	26	73	73	60	60	78	62
54	443	203	203	32	27	76	76	62	62	81	65
56	459	210	210	34	28	78	78	64	64	84	67
58	476	218	218	35	29	81	81	67	67	87	70
50	492	225	225	36	30	84	84	69	69	90	72
62	508	233	233	37	31	87	87	71	71	93	74
64	525	240	240	38	32	90	90	74	74	96	77
64	541	248	248	40	33	92	92	76	76	99	79
68	558	255	255	41	34	95	95	78	78	102	82
70	574	263	263	42	35	98	98	81	81	105	84
73	599	274	274	44	37	102	102	84	84	110	88
76	623	285	285	46	38	106	106	878	87	114	91
78	640	293	293	47	39	109	109	90	90	117	94
81	664	304	304	49	41	113	113	93	93	122	97
84	689	315	315	50	42	118	118	97	97	126	101
87	713	326	326	52	44	122	122	100	100	131	104
90	738	338	338	54	45	126	126	104	104	135	108
92	754	345	345	55	46	129	129	106	106	138	110
95	779	356	356	57	48	133	133	109	109	143	114
97	795	364	364	58	49	136	136	112	112	146	116
100	820	375	375	60	50	140	140	115	115	150	120
102	836	383	383	61	51	143	143	117	117	153	122
105	861	394	394	63	53	147	147	121	121	158	128
107	877	401	401	64	54	150	150	123	123	161	128
111	910	416	416	67	56	155	155	128	128	167	133
114	935	428	428	68	57	160	160	131	131	171	137
117	959	439	439	70	59	164	164	135	135	176	140
120	984	450	450	72	60	168	168	138	138	180	144
122	1000	458	458	73	61	171	171	140	140	183	146
124	1017	465	465	74	62	174	174	143	143	186	149
127	1041	476	476	76	64	178	178	146	146	191	152
130	1066	488	488	78	65	182	182	150	150	195	156
132	1082	495	495	79	66	185	185	152	152	198	158
137	1123	514	514	82	69	192	192	158	158	206	164
142	1164	533	533	85	71	199	199	163	163	213	170
147	1205	551	551	88	74	206	206	169	169	221	176
152	1246	570	570	91	76	213	213	175	175	228	182
157	1287	589	589	94	79	220	220	181	181	236	188
162	1328	608	608	97	81	227	227	186	186	243	194

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Offshore Mooring Chain Accessories

MDOI



d= diagonal diameter of common link (mm)

d	d2	a	B	e2	f2	L	m	d	d2	a	B	e2	f2	L	m
50	70	45	260	90	155	435	70	97	136	87	504	175	301	844	136
52	73	47	270	94	161	452	73	100	140	90	520	180	310	870	140
54	76	49	281	97	167	470	76	102	143	92	530	184	316	887	143
56	78	50	291	101	174	487	78	105	147	95	546	189	326	914	147
58	81	52	302	104	180	505	81	107	150	96	556	193	332	931	150
60	84	54	312	108	186	522	84	111	155	100	577	200	344	966	155
62	87	56	322	112	192	539	87	114	160	103	593	205	353	992	160
64	90	58	333	115	198	557	90	117	164	105	608	211	363	1018	164
66	92	59	343	119	205	574	92	120	168	108	624	216	372	1044	168
68	95	61	354	122	211	592	95	122	171	110	634	220	378	1061	171
70	98	63	364	126	217	609	98	124	174	112	645	223	384	1079	174
73	102	66	380	131	226	635	102	127	178	114	660	229	394	1105	178
76	106	68	395	137	236	661	106	130	182	117	676	234	403	1131	182
78	109	70	406	140	242	679	109	132	185	119	686	238	409	1148	185
81	113	73	421	146	251	705	113	137	192	123	712	247	425	1192	192
84	118	76	437	151	260	731	118	142	199	128	738	256	440	1235	199
87	122	78	452	157	270	757	122	147	206	132	764	265	456	1279	206
90	126	81	468	162	279	783	126	152	213	137	790	274	471	1322	213
92	129	83	478	166	285	800	129	157	220	141	816	283	487	1366	220
95	133	86	494	171	295	827	133	162	227	146	842	292	502	1409	227

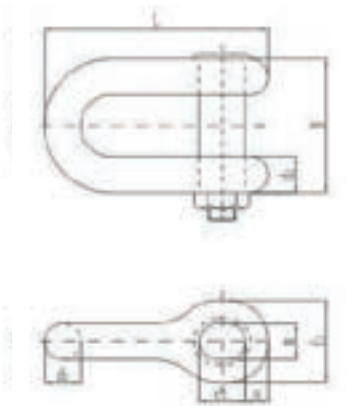
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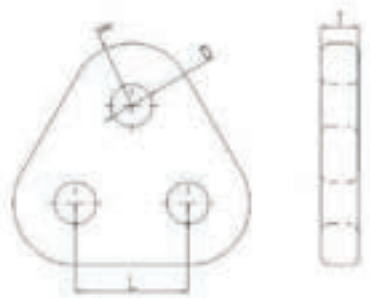
Offshore Mooring Chain Accessories

Triagle Plate Straight Type

MD01



MP01



d= diagonal diameter of common link (mm)

d	d2	a	B	e2	f2	L	m	d	d2	a	B	e2	f2	L	m
50	70	45	260	90	155	435	70	97	136	87	504	175	301	844	136
52	73	47	270	94	161	452	73	100	140	90	520	180	310	870	140
54	76	49	281	97	167	470	76	102	143	92	530	184	316	887	143
56	78	50	291	101	174	487	78	105	147	95	546	189	326	914	147
58	81	52	302	104	180	505	81	107	150	96	556	193	332	931	150
60	84	54	312	108	186	522	84	111	155	100	577	200	344	966	155
62	87	56	322	112	192	539	87	114	160	103	593	205	353	992	160
64	90	58	333	115	198	557	90	117	164	105	608	211	363	1018	164
66	92	59	343	119	205	574	92	120	168	108	624	216	372	1044	168
68	95	61	354	122	211	592	95	122	171	110	634	220	378	1061	171
70	98	63	364	126	217	609	98	124	174	112	645	223	384	1079	174
73	102	66	380	131	226	635	102	127	178	114	660	229	394	1105	178
76	106	68	395	137	236	661	106	130	182	117	676	234	403	1131	182
78	109	70	406	140	242	679	109	132	185	119	686	238	409	1148	185
81	113	73	421	146	251	705	113	137	192	123	712	247	425	1192	192
84	118	76	437	151	260	731	118	142	199	128	738	256	440	1235	199
87	122	78	452	157	270	757	122	147	206	132	764	265	456	1279	206
90	126	81	468	162	279	783	126	152	213	137	790	274	471	1322	213
92	129	83	478	166	285	800	129	157	220	141	816	283	487	1366	220
95	133	86	494	171	295	827	133	162	227	146	842	292	502	1409	227

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d=nominal diameter of common (mm)

	D	L	R	T	d	D	L	R	T
50	73	195	108	65	97	141	378	209	126
52	75	203	112	68	100	145	390	215	130
54	78	211	116	70	102	148	398	219	133
56	81	218	120	73	105	152	410	226	137
58	84	226	125	75	107	155	417	230	139
60	87	234	129	78	111	161	433	239	144
62	90	242	133	81	114	165	445	245	148
64	93	250	138	83	117	170	456	252	152
66	96	257	142	86	120	174	468	258	156
68	99	265	146	88	122	177	476	262	159
70	102	273	151	91	124	180	484	267	161
73	106	285	157	95	127	184	495	273	165
76	110	296	163	99	130	189	507	280	169
78	113	304	168	101	132	191	515	284	172
81	117	316	174	105	137	199	534	295	178
84	122	328	181	109	142	206	554	305	185
87	126	339	187	113	147	213	573	316	191
90	131	351	194	117	152	220	593	327	198
92	133	359	198	120	157	228	612	338	204
95	138	371	204	124	162	235	632	348	211

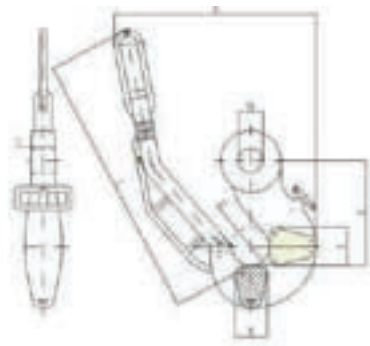
PR

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Hook

MHKI



PRODUCT ETA MAY VERY ACCORDING TO SPECIFIC PROJECT PREMISES

Size	L	B	H	C	D	DI
KS 40	1415	1106	578	130	200	135
KS 50	1397	946	588	163	180	170

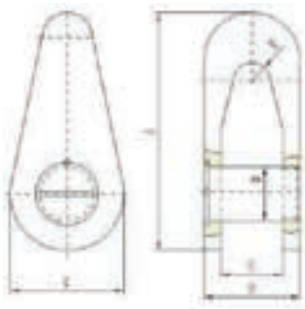
(mm)

Size	T	M	Material	PL(kN)	BL(kN)
KS 40	200	170	SAE4340	7096	9002
KS 50	245	200	SAE4340	10700	13573

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Rope Shackle Link

ML01



PRODUCT ETA MAY VERY ACCORDING TO SPECIFIC PROJECT PREMISES

Size	A	B	C	D	E	R	Material	PL(kN)	BL(kN)
120T	324	142	150	75	90	28	R4	686	1176
180T	350	184	160	85	120	30	R4	931	1764
300T	447	216	190	110	146	36	R4	980	2940

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