



*Your Partner
for Heavy Lift*



**Hanse Engineering
Hanse Equipment**

Hanse
ENGINEERING

Hanse
EQUIPMENT

Dear Customers and Friends

With great pleasure we are introducing our 2023 product catalog.

Lifting, rigging and lashing equipment is our main field of activity. The team of Hanse Engineering and Hanse Equipment is composed of a group of highly experienced specialists in marine industry. Whether you need a standard solution or a custom-made option we are ready to support you.

With our worldwide network of own stock-points, we outfit you with whatever you need and wherever you need it.

For current projects and company news, we invite you to visit our LinkedIn pages:



<https://www.linkedin.com/company/hanseengineering>

<https://www.linkedin.com/company/hanse-equipment-gmbh>



**Thanks a lot, to all of you.
This is an interesting and inspiring trip in particular because of you.
Have a safe journey with your fleet.**

Management of Hanse Engineering/Hanse Equipment



Lifting/Rigging Gear ◆ ◆ ◆

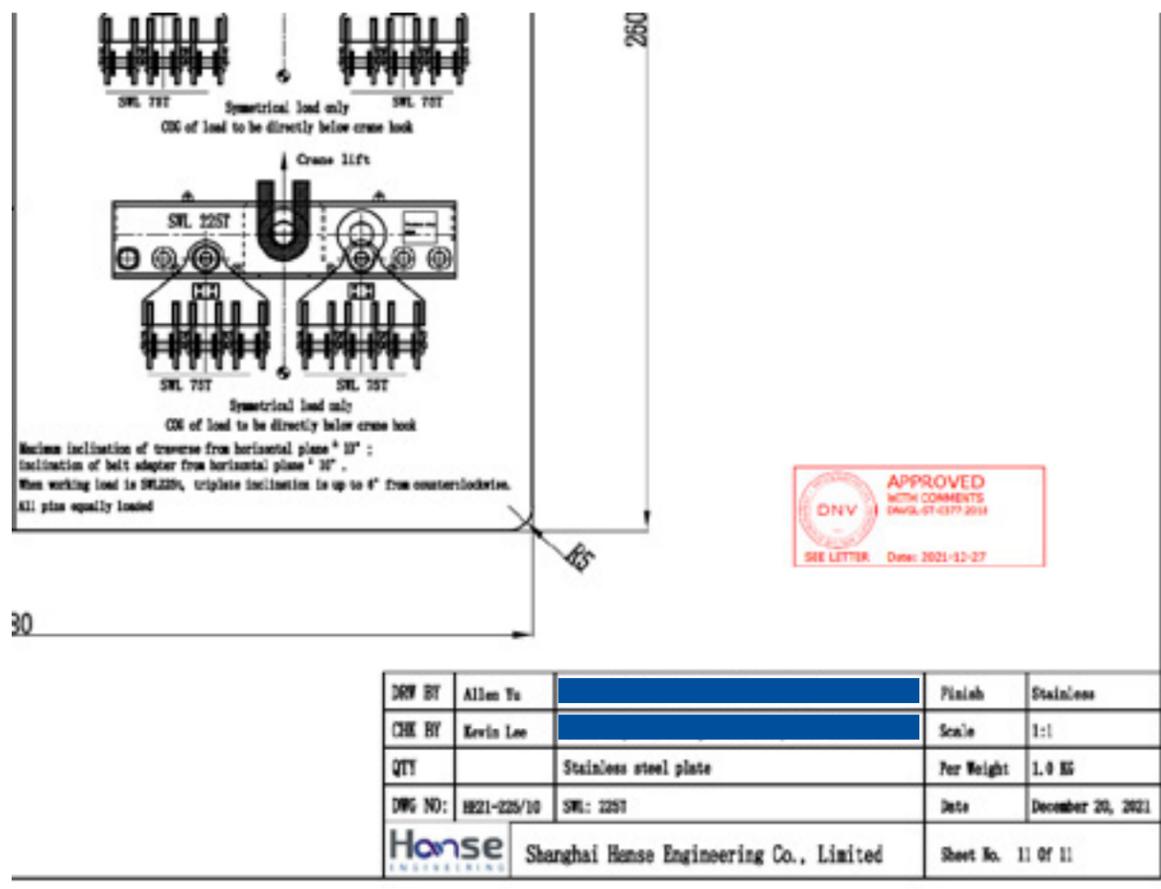
Lifting Beam



Design

The engineering team of Shanghai Hanse Engineering Co., Limited is well experienced in designing customized lifting gear.

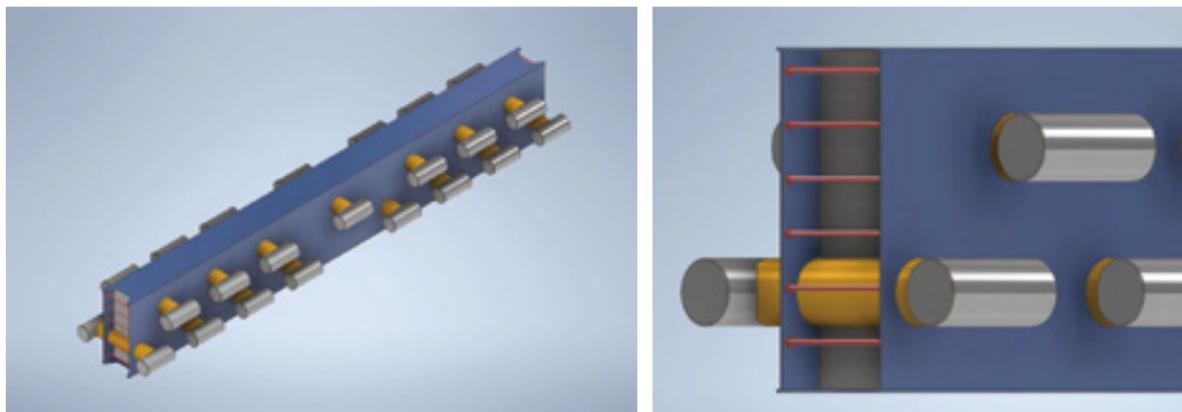
Our customers send us inquiries including cargo weight/dimension and on-site environment for lifting, then we start to transform their requirement into a concept design. We always try to design the beams multi-functional considering potential projects our customers may have in the future. Our design of lifting beams is in accordance with regulations from classification societies and CE.



Lifting Beam

▶ Box-shaped Lifting Beam

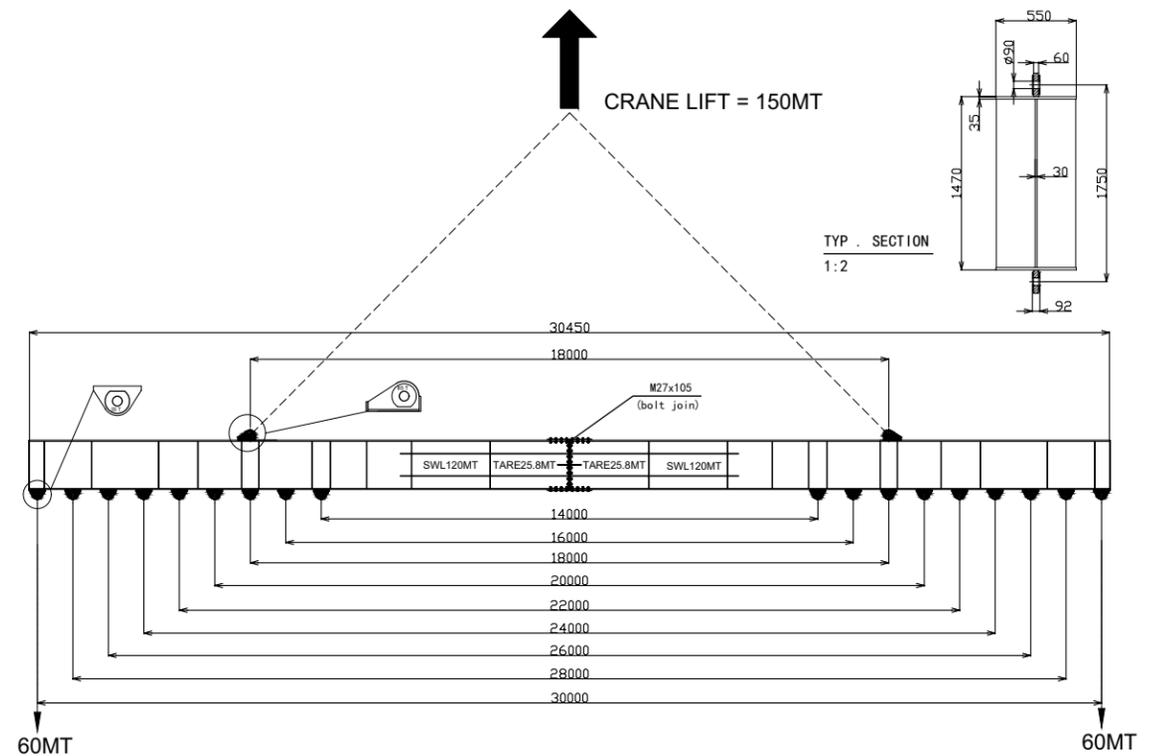
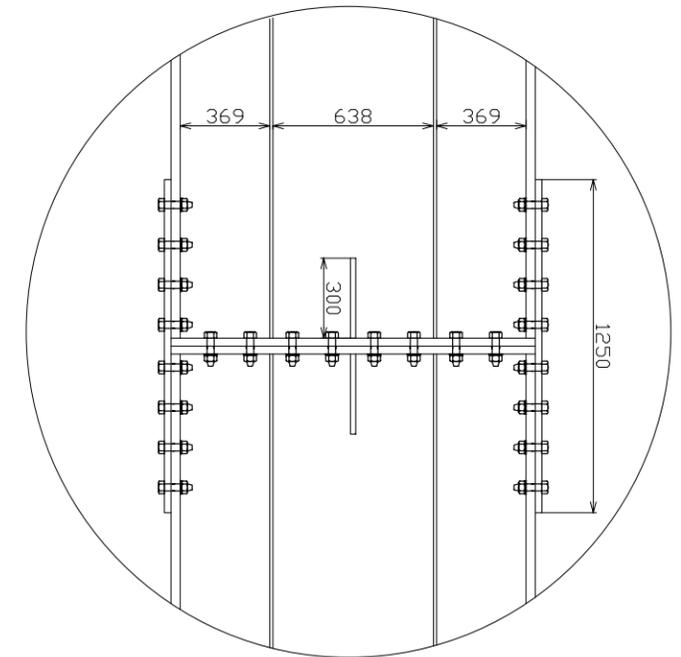
- SWL850t-12m
- Material: Q690D
- Dead Weight: 28t



Lifting Beam

▶ I-shaped Lifting Beam

- SWL120t-30m
- Material: Q355B
- Dead Weight: 25.8t



Lifting Beam

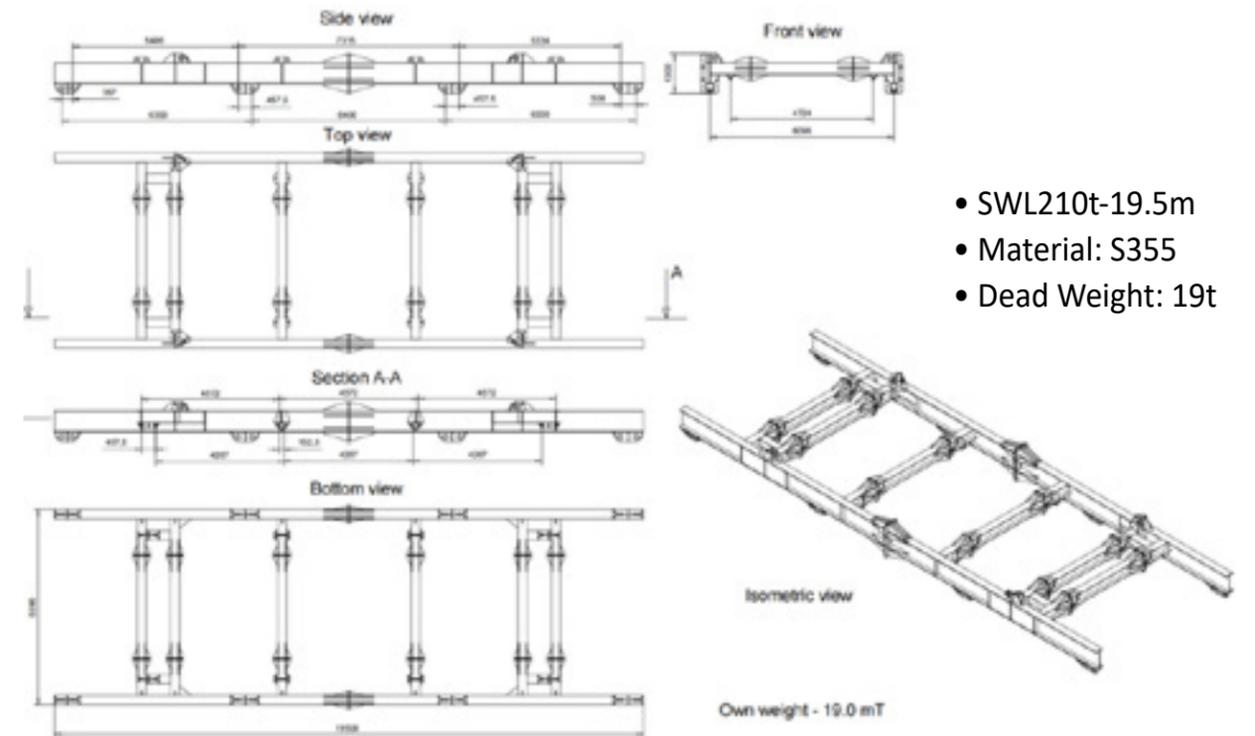
▶ Spreader Beam with Eyes



- SWL65t-16m
- Material: Q355B
- Dead Weight: 2.25t

Lifting Beam

▶ Spreader Beam Connected by Bolt



- SWL210t-19.5m
- Material: S355
- Dead Weight: 19t

- SWL55t-12m
- Material: Q355B
- Dead Weight: 1.5t



Lifting Beam

▶ Spreader Beam Connected by Pin



- SWL500t-16m
- Material: Q355B
- Dead Weight: 5.6t



Lifting Beam

▶ Frame Spreader

- SWL30t-9mx2.6m
- Material: Q235B
- Dead Weight: 2.1t



- SWL32t-12mx2.5m
- Material: Q235B
- Dead Weight: 3.2t



Lifting Beam

▶ Boat Lifting Gear

Sample Cargo

Motor & Sailing Pleasure Crafts (Yachts)
Tug Boats
Smaller Service Vessels
Fishing Boats
Ferries
Dredger
Barges

Equipment Specification

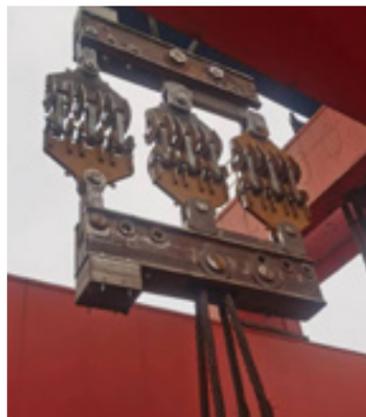
- SWL900t
- Material: Q355D
- Dead Weight: 20.8t



Paint



Packing and Shipping



Load Test



UT Check



Loading Cargo

Lifting Beam

▶ Container Spreader

- 20' Container Spreader SWL30t
- Dead Weight: 2.2t



- 40' Container Spreader SWL35t
- Dead Weight: 3.2t

Lifting Beam

▶ Complete Lifting Set



Sometimes, customers not only need one single lifting beam, but a complete lifting set including beams combination, wire grommets/ slings, lifting slings, shackles, etc. It is one of our specialties to design and deliver a complete lifting set.

Number	Item	Quantity
1	Grommet SWL 150t-3m	4
2	Lifting Beam SWL 400t-27m	1
3	Round Sling SWL 150t-10m	4
4	Lifting Beam SWL 400t-14m	2
5	Grommet SWL 50t-5m	8
6	Bow Shackles SWL 55t	8



Lifting Beam

Production



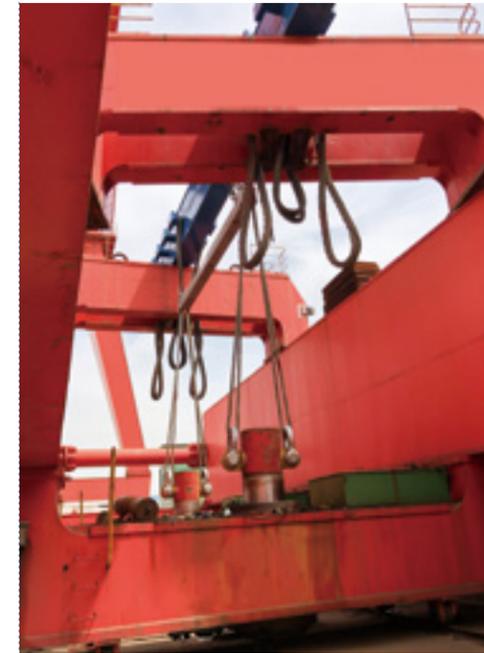
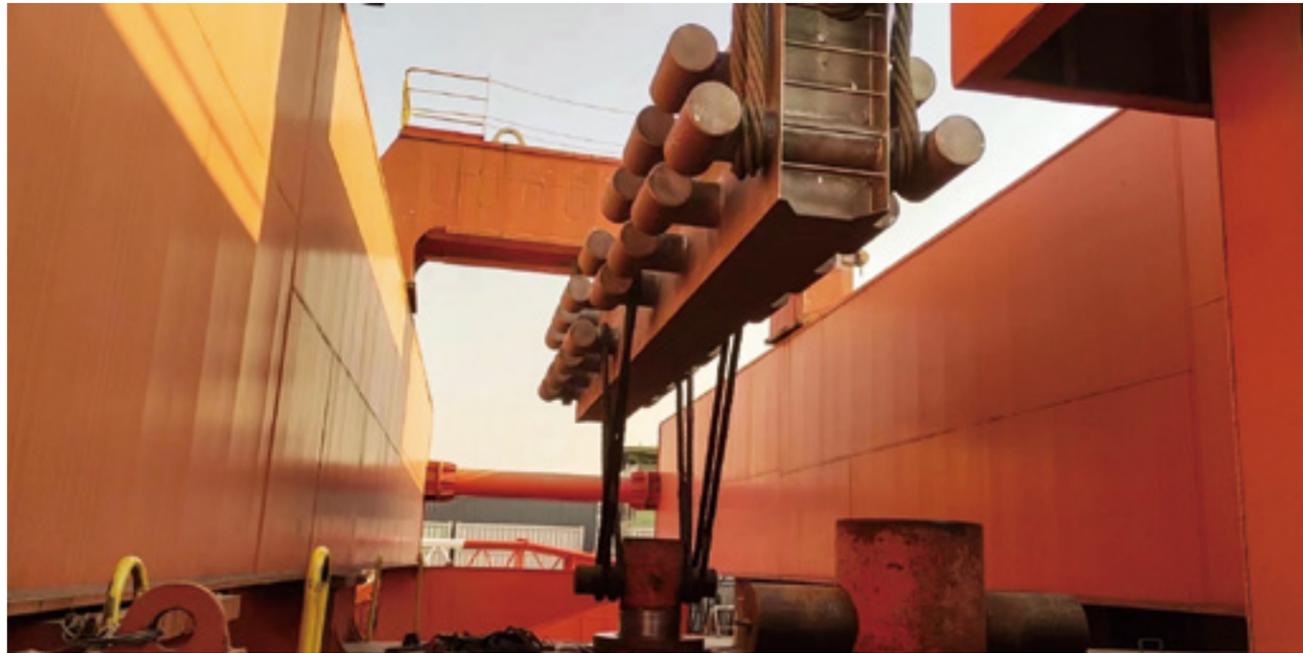
Shanghai Hanse Engineering Co., Limited is an innovative engineering company with its own manufacturing facility. Our welding factory is certified by DNV and Lloyd's Register, which ensures a very high production standard as well as quality assurance.

After design approval, we start to work out production/welding drawing and prepare raw material. We are able to process steel from S355, D36 to S690.



Lifting Beam

Load Test

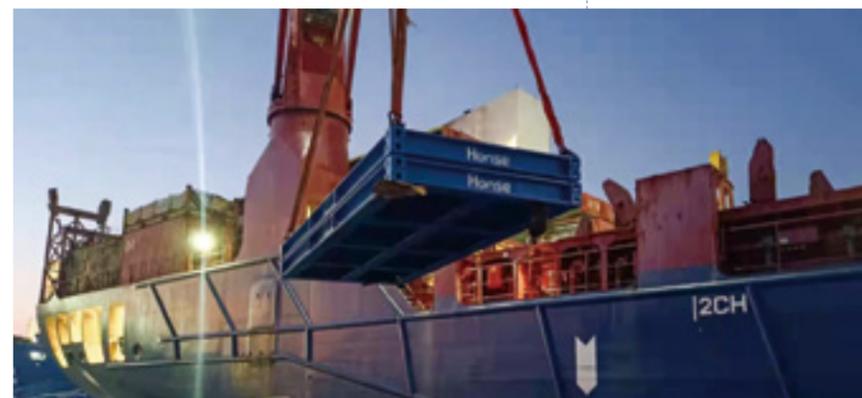


Sometimes, load test may contain more than one lifting configuration, they will be carried out on our 3000t test bench. Dimensional check and NDT will follow after load test, then coating and painting.



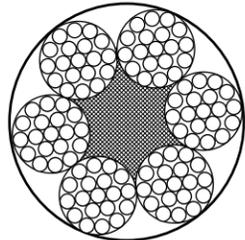
Delivery

Hanse operation team is working with our stock-points around the world to make sure that each delivery will be on time.

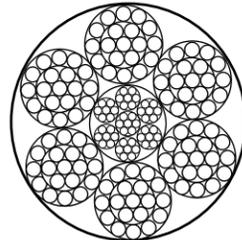


Wire Rope

▶ 6x19(b)class (Ungalvanized and Galvanized)



6x19M+FC

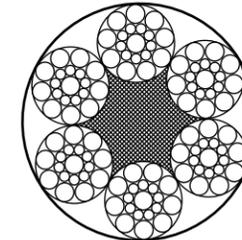


6x19M+IWR

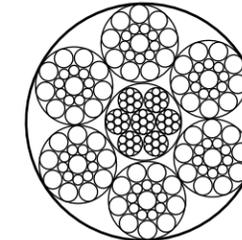
Rope Dia (mm)	Approx.Weight (kg/100m)		Nominal Tensile Strength Grade of Rope(Mpa)			
			1770		1960	
			Minimum Breaking Load of Rope (KN)			
D(mm)	NF	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS
3	3.16	3.6	4.89	5.29	5.42	5.86
4	5.62	6.4	8.69	9.4	9.63	9.93
5	8.78	10	13.6	14.7	15	16.3
6	12.6	14.4	19.6	21.2	21.7	23.4
7	17.2	19.6	26.6	28.8	29.5	31.9
8	22.5	25.6	34.8	37.6	38.5	41.6
9	28.4	32.4	44	47.6	48.7	52.7
10	35.1	40	54.4	58.8	60.2	65.1
11	42.5	48.4	65.8	71.1	72.8	78.7
12	50.5	57.6	78.2	84.6	86.6	93.7
13	59.3	67.6	91.8	99.3	102	110
14	68.8	78.4	107	115	118	128
16	89.9	102	139	150	154	167
18	114	130	176	190	195	211
20	140	160	217	235	241	260
22	170	194	263	284	291	315
24	202	230	313	338	347	375
26	237	270	367	397	407	440
28	275	314	426	461	472	510
32	359	410	557	602	616	666
36	455	518	704	762	780	843
40	562	640	869	940	963	1041
44	680	774	1050	1140	1160	1260
48	809	922	1250	1350	1390	1500
52	949	1080	1470	1590	1630	1760
44	680	774	1050	1140	1160	1260
48	809	922	1250	1350	1390	1500
52	949	1080	1470	1590	1630	1760

Wire Rope

▶ 6x19(a)class (Ungalvanized and Galvanized)



6x19S+FC

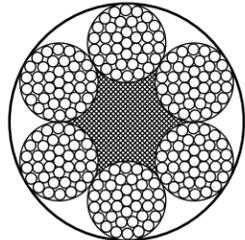


6x19S+IWR

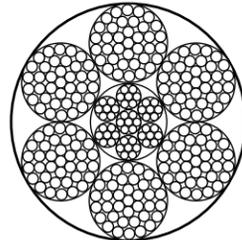
Rope Dia (mm)	Approx.Weight (kg/100m)		Nominal Tensile Strength Grade of Rope(Mpa)					
			1770		1960		2160	
			Minimum Breaking Load of Rope (KN)					
D(mm)	NF	IWR	FC	IWR	FC	IWR	FC	IWR
8	24.3	26.8	37.4	40.3	41.4	44.7	45.6	49.2
9	30.8	33.9	47.3	51	52.4	56.5	57.7	62.3
10	38	41.8	58.4	63	64.7	69.8	71.3	76.9
11	46	50.6	70.7	76.2	78.3	84.4	86.2	93
12	54.7	60.2	84.1	90.7	93.1	100	103	111
13	64.2	70.6	98.7	106	109	118	120	130
14	74.5	81.9	114	124	127	137	140	151
16	97.3	107	150	161	166	179	182	197
18	123	135	189	204	210	226	231	249
20	152	167	234	252	259	279	285	308
22	184	202	283	305	313	338	345	372
24	219	241	336	363	373	402	411	443
26	257	283	395	426	437	472	482	520
28	298	328	458	494	507	547	559	603
32	389	428	598	645	662	715	730	787
36	492	542	757	817	838	904	924	997
40	608	669	935	1010	1030	1120	1140	1230
44	736	809	1130	1220	1250	1350	1380	1490
48	876	963	1350	1450	1490	1610	1640	1770
52	1030	1130	1580	1700	1750	1890	1930	2080
56	1190	1310	1830	1980	2030	2190	2240	2410

Wire Rope

▶ 6x37(b)class (Ungalvanized and Galvanized)



6x37M+FC

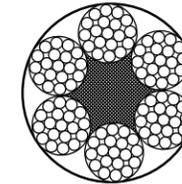


6x37M+IWR

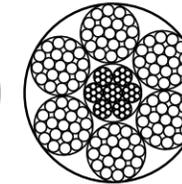
Rope Dia (mm)	Approx.Weight (kg/100m)		Nominal Tensile Strength Grade of Rope(Mpa)			
			1770		1960	
			Minimum Breaking Load of Rope (KN)			
D(mm)	NF	IWR	FC	IWR	FC	IWR
10	34.6	40	52.2	56.5	57.8	62.5
11	41.9	48	63.2	68.3	70	75.7
12	49.8	57	75.2	81.3	83.3	90
13	58.5	67	88.2	95.4	97.7	106
14	67.8	78	102	111	113	123
16	88.6	97	134	145	148	160
18	112	123	169	183	187	203
20	138	152	209	226	231	250
22	167	184	253	273	280	303
24	199	219	30	325	333	360
26	234	258	353	382	391	423
28	271	299	409	443	453	490
32	354	390	53	578	592	640
36	448	494	677	732	749	810
40	554	610	835	903	925	1000
44	670	738	1010	1090	1120	1210
48	797	878	1200	1300	1330	1440
52	936	1030	1410	1530	1560	1690
56	1090	1190	1640	1770	1810	1960
60	1250	1370	1880	2030	2080	2250

Wire Rope

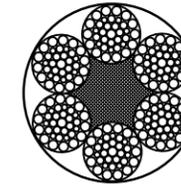
▶ 6x37(a)class (Ungalvanized and Galvanized)



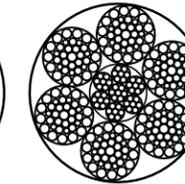
6X25FI-FC



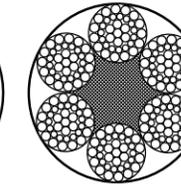
6X25FI-IWR



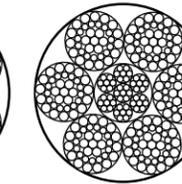
6X36WS-FC



6X36WS-IWR



6X37S-FC

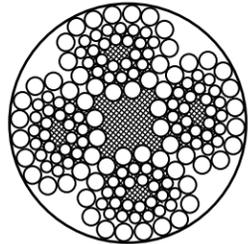


6X37S-IWR

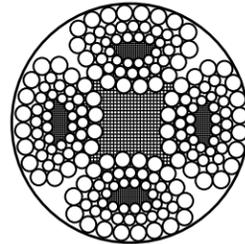
Rope Dia (mm)	Approx.Weight (kg/100m)		Nominal Tensile Strength Grade of Rope(Mpa)					
			1770		1960		2160	
			Minimum Breaking Load of Rope (KN)					
D(mm)	NF	IWR	FC	IWR	FC	IWR	FC	IWR
8	24.3	26.8	37.4	40.3	41.4	44.7	45.6	49.2
10	38	41.8	58.4	63	64.7	69.8	71.3	76.9
12	54.7	60.2	84.1	90.7	93.1	100	102.6	110.7
13	64.2	70.6	98.7	106	109	118	120.5	130
14	74.5	81.9	114	124	127	137	139.7	150.7
16	97.3	107	150	161	166	179	182.5	196.9
18	123	135	189	204	210	226	230.9	249.1
20	152	167	234	252	259	279	285.1	307.6
22	184	202	283	305	313	338	345	372.2
24	219	241	336	363	373	402	410.6	442.9
26	257	283	395	426	437	472	481.9	519.8
28	298	328	458	494	507	547	558.8	602.9
30	342	376	526	567	582	628	641.5	692.1
32	389	428	598	645	662	715	729.9	787.4
34	439	483	675	728	748	807	824	888.9
36	492	542	757	817	838	904	923.8	996.6
38	549	604	843	910	934	1010	1029.3	1110.4
40	608	669	935	1010	1030	1120	1140.5	1230.3
42	670	737	1030	1110	1140	1230	1257.4	1356.4
44	736	809	1130	1220	1250	1350	1380	1488.7
46	804	884	1240	1330	1370	1480	1508.3	1627.1
48	876	963	1350	1450	1490	1610	1642.3	1771.7
50	950	1040	1460	1580	1620	1740	1782	1922.4
52	1030	1130	1580	1700	1750	1890	1927.4	2079.3
54	1110	1220	1700	1840	1890	2030	2078.5	2242.3
56	1190	1310	1830	1980	2030	2190	2235.3	2411.5
58	1280	1410	1960	2120	2180	2350	2397.9	2586.8
60	1370	1500	2100	2270	2330	2510	2566.1	2768.3

Wire Rope

► 4Vx39S class (Ungalvanized and Galvanized)



4Vx39S+5FC

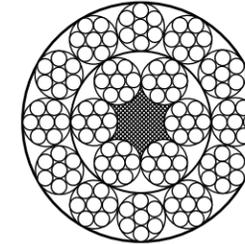


4Vx48S+5FC

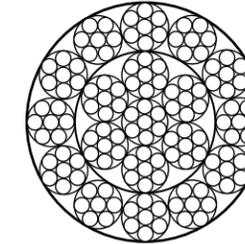
Rope Dia (mm)	Approx.Weight (kg/100m)	Nominal Tensile Strength Grade of Rope(Mpa)	
		1770	1960
D(mm)	NF	Minimum Breaking Load of Rope (KN)	
16	105	163	181
18	133	206	229
20	164	255	282
22	198	308	342
24	236	367	406
26	277	431	477
28	321	500	553
30	369	573	635
32	420	652	723
34	474	737	816
36	531	826	914
38	592	920	1020
40	656	1020	1130
44	794	1230	1370
48	945	1470	1630

Wire Rope

► 18x7 class (Ungalvanized and Galvanized)



18x7+FC

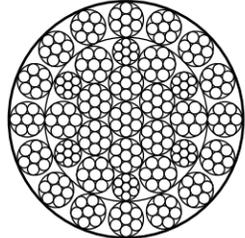


18x7+IWR

Rope Dia (mm)	Approx.Weight (kg/100m)	Nominal Tensile Strength Grade of Rope(Mpa)						
		1770		1870		1960		
D(mm)	FC	IWR	FC	IWR	FC	IWR	FC	IWR
12	56.2	61.9	79	83.6	87.5	92.6	96.4	102
13	65.9	72.7	92.7	98.1	103	109	113	120
14	76.4	84.3	108	114	119	126	131	139
16	100	110	140	149	156	165	171	181
18	126	139	178	188	197	208	217	230
20	156	172	219	232	243	257	268	283
22	189	208	266	281	294	311	324	343
24	225	248	316	334	350	370	386	408
26	264	291	371	392	411	435	453	479
28	306	337	430	455	476	504	525	555
30	351	387	494	523	547	579	603	638
32	399	440	562	594	622	658	686	725
36	505	557	711	752	787	833	868	918
40	624	688	878	929	972	1030	1070	1130
44	755	832	1060	1120	1180	1240	1300	1370
48	899	991	1260	1340	1400	1480	1540	1630
52	1050	1160	1480	1570	1640	1740	1810	1920
56	1220	1350	1720	1820	1910	2020	2100	2220
60	1440	1550	1980	2090	2190	2310	2400	2550

Wire Rope

▶ 35Wx7 class (Ungalvanized and Galvanized)

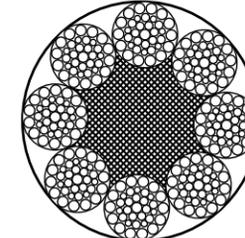


35Wx7

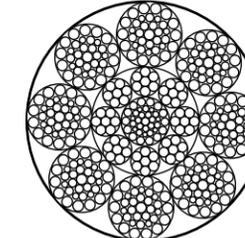
Rope Dia (mm)	Approx.Weight (kg/100m)	Nominal Tensile Strength Grade of Rope(Mpa)		
		1770	1960	2160
		Minimum Breaking Load of Rope (KN)		
D(mm)	IWR	IWR	IWR	IWR
12	66.2	91.8	102	109
13	77.7	108	119	128
14	90.2	125	138	148
16	118	163	181	194
18	149	206	229	245
20	184	255	282	302
22	223	308	342	366
24	265	367	406	435
26	311	431	477	511
28	361	500	553	593
30	414	573	635	680
32	471	652	723	774
36	596	826	914	980
40	736	1020	1130	1210
44	891	1230	1370	1460
48	1060	1470	1630	1740
52	1240	1720	1910	2040
56	1440	2000	2210	2370
60	1660	2290	2540	2720

Wire Rope

▶ 8x36WS class (Ungalvanized and Galvanized)



8X36WS-FC

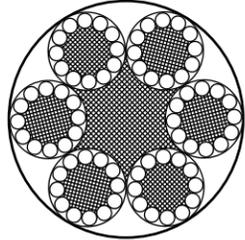


8X36WS-IWR

Rope Dia (mm)	Approx.Weight (kg/100m)	Nominal Tensile Strength Grade of Rope(Mpa)						
		1770		1960		2160		
		Minimum Breaking Load of Rope (KN)						
D(mm)	SF	IWR	FC	IWR	FC	IWR	FC	IWR
12	51.4	62.6	74.7	88.2	82.7	97.7	91.1	108
13	60.3	73.5	87.6	103	97.1	115	107	126
14	70	85.3	102	120	113	133	124	146
16	91.4	111	133	157	147	174	162	191
18	116	141	168	198	186	220	205	242
20	143	174	207	245	230	271	253	299
22	173	211	251	296	278	328	306	362
24	206	251	299	353	331	391	365	430
26	241	294	351	414	388	458	428	505
28	280	341	407	480	450	532	496	586
32	366	445	531	627	588	694	648	765
36	463	564	672	794	744	879	820	969
40	571	696	830	980	919	1090	1010	1200
44	681	842	1000	1190	1110	1310	1230	1450
48	823	1000	1190	1410	1320	1560	1460	1720
52	965	1180	1400	1660	1550	1830	1710	2020
56	1120	1360	1630	1920	1800	2130	1980	2340
60	1290	1570	1870	2200	2070	2440	2280	2690

Wire Rope

▶ 6x12FC-7FC (Ungalvanized and Galvanized)

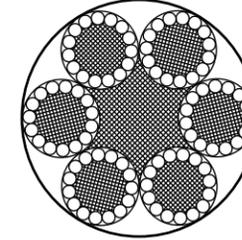


6X12-7FC

Rope Dia (mm)	Approx.Weight (kg/100m)	Nominal Tensile Strength Grade of Rope(Mpa)	
		1570	1770
		Minimum Breaking Load of Rope (KN)	
D(mm)	FC	FC	FC
6	9.04	11.8	13.3
7	12.3	16.1	18.1
8	16.1	21	23.7
9	20.3	26.6	30.0
10	25.1	32.8	37.0
11	30.4	39.7	44.8
12	36.1	47.3	53.3
13	42.4	55.5	62.5
14	49.2	64.3	72.5
16	64.3	84.0	94.7
18	81.3	106	120
20	100	131	148
22	121	159	179
24	145	189	213
26	170	222	250
28	197	257	290
32	257	336	379

Wire Rope

▶ 6x15FC-7FC (Ungalvanized and Galvanized)

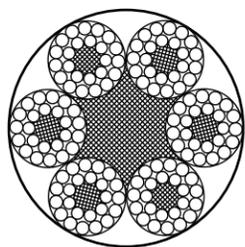


6X15-7FC

Rope Dia (mm)	Approx.Weight (kg/100m)	Nominal Tensile Strength Grade of Rope(Mpa)	
		1570	1770
		Minimum Breaking Load of Rope (KN)	
D(mm)	FC	FC	FC
8	12.8	18.1	20.4
9	16.2	22.9	25.8
10	20.0	28.3	31.9
11	24.2	34.2	38.6
12	28.8	40.7	45.9
13	33.8	47.8	53.8
14	39.2	55.4	62.4
15	45.0	63.6	71.7
16	51.2	72.3	81.6
18	64.8	91.6	103
20	80.0	113	127
22	96.8	137	154
24	115	163	184
26	135	191	215
28	157	222	250
30	180	254	287
32	205	289	326

Wire Rope

▶ 6x24MFC-7FC (Ungalvanized and Galvanized)

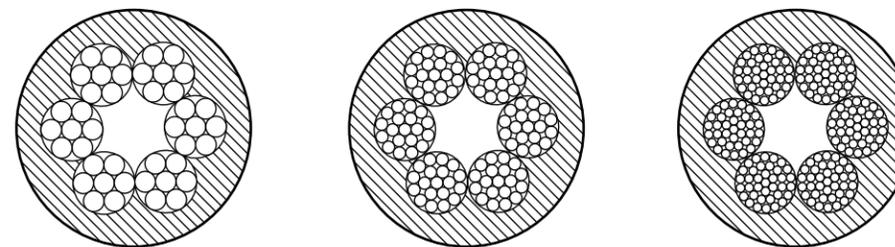


6X24-7FC

Rope Dia (mm)	Approx.Weight (kg/100m)	Nominal Tensile Strength Grade of Rope(Mpa)	
		1570	1770
Minimum Breaking Load of Rope (KN)			
D(mm)	FC	FC	FC
8	20.4	28.1	31.7
9	25.8	35.6	40.1
10	31.8	44.0	49.6
11	38.5	53.2	60.0
12	45.8	63.3	71.4
13	53.7	74.3	83.8
14	62.3	86.2	97.1
15	71.6	98.9	112
16	81.4	113	127
18	103	142	161
20	127	176	198
22	154	213	240
24	183	253	285
26	215	297	335
28	249	345	389
30	286	396	446
32	326	450	507
36	412	570	642
40	509	703	793
44	616	851	959

Wire Rope

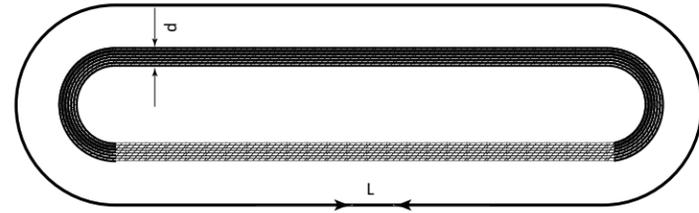
▶ Cable with Synthetic Cover



Construction	Rope Dia (mm)	Approx.Weight (kg/100m)	Nominal Tensile Strength Grade of Rope(Mpa)
			1770
			Minimum Breaking Load of Rope (KN)
			FC
6x7+FC	D(mm)	FC	FC
	2-3	2	2.75
	3-4	4	5.29
6x7+FC 6x19+FC	3-5	5	5.29
	4-6	7.5	8.7
	5-7	9.8	13.6
	6-8	15.8	19.6
	8-10	25.4	34.8
6x19+FC 6x37+FC	10-12	42	54.4
	12-14	59	75.1
	14-16	77	102

Wire Grommet

▶ Wire Grommet



Construction	Wire Rope ϕ mm	Grommet ϕ mm	Breaking Load of Grommet		WLL		Weight kg/m
			1770N/mm ²	1960N/mm ²	1770N/mm ²	1960N/mm ²	
			kg	kg	kg	kg	
7x7x19	3	9	7344	8078	1400	1540	0.29
7x7x19	4	12	12954	14249	2500	2750	0.46
7x7x19	5	15	19176	21094	3800	4180	0.65
7x7x19	6	18	27846	30631	5500	6060	1.23
7x7x19	7	21	33150	36465	6600	7260	1.39
7x7x19	8	24	41900	46090	9000	9900	1.91
7x7x19	9	27	53010	58320	11500	12650	2.41
7x6x36	10	30	65504	72054	14000	15400	3.07
7x6x36	12	36	94298	103728	20000	22000	4.42
7x6x36	13	39	110730	121803	23500	25850	5.18
7x6x36	14	42	128406	141247	27000	29700	6.01
7x6x36	16	48	167708	184479	35500	39050	7.87
7x6x36	18	54	212312	233543	45000	49500	9.97
7x6x36	20	60	262018	288218	55500	61050	12.3
7x6x36	22	66	317118	348830	69000	75900	14.85
7x6x36	24	72	377318	415050	84000	92400	17.7
7x6x36	26	78	443934	487227	102000	112200	20.72
7x6x36	28	84	513830	564992	121000	133100	24.07
7x6x36	30	90	592236	651400	144500	168950	27.74
7x6x36	32	96	670842	737928	168000	184800	31.42
7x6x36	34	102	759950	835945	197500	217250	35.58
7x6x36	36	108	849058	933954	227000	249700	39.75
7x6x36	38	114	947217	1041939	262000	288200	42.28
7x6x36	40	120	1049113	1154024	300000	330000	46.83
7x6x36	42	126	1134240	1247664	344000	378400	51.66
7x6x36	44	132	1245420	1369962	392000	431200	56.7
7x6x36	48	144	1482060	1630266	506000	556500	67.48
7x6x36	52	156	1739100	1913010	700000	770000	79.1
7x6x36	56	168	2088960	2296978	800000	880000	95.2
7x6x36	64	192	2634680	2888120	1000000	1100000	119.7

NOTE : SAFETY FACTOR

- Up to 60mm: SF 5:1
- 60-150MM: 6.33-(Dia X 0.022)
- Above 150mm: SF 3:1



Wire Sling

MAIN TYPES OF WIRE ROPE SLINGS

Spliced Soft Loop Sling



Wire Rope Grommet (Cable Laid Grommet)



Swaged Gott Loop Sling



Swagad Joint Sling with Solid Thimble for Crane



Swagod Soft Loop Sling with Flemish Steel Ferrules



Sling with Open Spelter Sockets



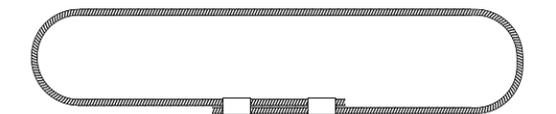
Flat Wire Rope Mesh Sling



Sling with Closed Spelter Sockets



Ferrule-Secured Endless Sling



Sling with Wedge Socket



Wire Sling

► Swaged Gott Loop Sling



Wire Rope (mm)	WLL		LOOP A(mm)
	FC(kn)	IWRC(kn)	
6	3.2	3.4	180
8	5.7	6.1	210
10	8.9	9.6	230
12	13	14	260
14	17	19	280
16	23	24	320
18	29	31	360
20	35	38	400
22	43	46	440
24	51	55	480
26	60	65	520
28	69	75	560
30	80	86	600
32	91	98	640
34	102	110	680
36	115	124	720
40	142	153	800
44	172	185	880
48	203	220	960
52	239	259	1040
56	277	301	1120
60	319	345	1200
66	329	389	1320
70	370	437	1400
76	436	516	1520
80	483	571	1600
90	611	723	1800
100	755	893	2000

Wire Sling

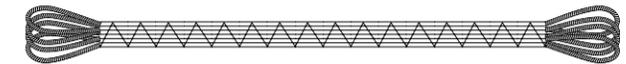
▶ Spliced Soft Loop Sling



Wire Rope (mm)	WLL		LOOP A(mm)
	FC(kn)	IWRC(kn)	
6	2.7	2.9	180
8	4.7	5.1	210
10	7.4	8	230
12	11	11.5	260
14	14	16	280
16	19	20	320
18	24	26	360
20	30	32	400
22	36	39	440
24	42	46	480
26	50	54	520
28	58	63	560
30	66	72	600
32	76	82	640
34	85	92	680
36	96	104	720
40	118	128	800
44	143	155	880
48	170	183	960
52	200	216	1040
56	231	251	1120
60	266	287	1200
66	274	324	1320
70	308	365	1400
76	363	430	1520
80	402	476	1600
90	509	603	1800
100	629	744	2000

Wire Sling

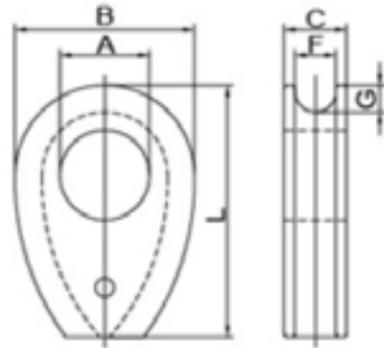
▶ Fait Qire Rope Mesh Sling



Wire Rope D(mm)	Wire Rope d (mm)	Qty D	Qty d	LOOP B(mm)	WLL (T)
6 X 37-FC-12	6 X 37-FC-6	4	2	250	6
6 X 37-FC-12	6 X 37-FC-6	6	3	250	9
6 X 37-FC-12	6 X 37-FC-6	8	4	250	12
6 X 37-FC-12	6 X 37-FC-6	10	5	250	15
6 X 37-FC-14	6 X 37-FC-8	4	2	280	8
6 X 37-FC-14	6 X 37-FC-8	6	3	280	12
6 X 37-FC-14	6 X 37-FC-8	8	4	280	16
6 X 37-FC-14	6 X 37-FC-8	10	5	280	20
6 X 37-FC-16	6 X 37-FC-10	4	2	350	10
6 X 37-FC-16	6 X 37-FC-10	6	3	350	15
6 X 37-FC-16	6 X 37-FC-10	8	4	350	20
6 X 37-FC-16	6 X 37-FC-10	10	5	350	25
6 X 37-FC-18	6 X 37-FC-12	4	2	380	13
6 X 37-FC-18	6 X 37-FC-12	6	3	380	20
6 X 37-FC-18	6 X 37-FC-12	8	4	380	25
6 X 37-FC-18	6 X 37-FC-12	10	5	380	32

Wire Sling

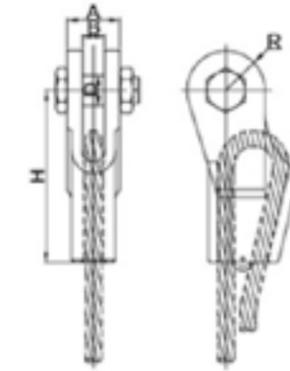
► Heavy Duty Thimble



Item No	Rope Diameter (mm)	Dimensions(mm)					
		F	C	A	B	L	G
TH2341	16	18.4	28	40	80	112	12
TH2342	18	20.7	31.5	45	90	126	13.5
TH2343	20	23	35	50	100	140	15
TH2344	22	25.3	38.5	55	110	154	16.5
TH2345	24	27.6	42	60	120	168	18
TH2346	26	29.9	45.5	65	130	182	19.5
TH2347	28	32.2	49	70	140	196	21
TH2348	32	36.8	56	80	160	224	24
TH2349	36	41.4	63	90	180	252	27
TH2350	40	46	70	100	200	280	30
TH2351	44	50.6	77	110	220	308	33
TH2352	48	55.2	84	120	240	336	36
TH2353	52	59.8	91	130	260	364	39
TH2354	56	64.4	98	140	280	392	42
HT2355	60	69	105	150	300	420	45

Wire Sling

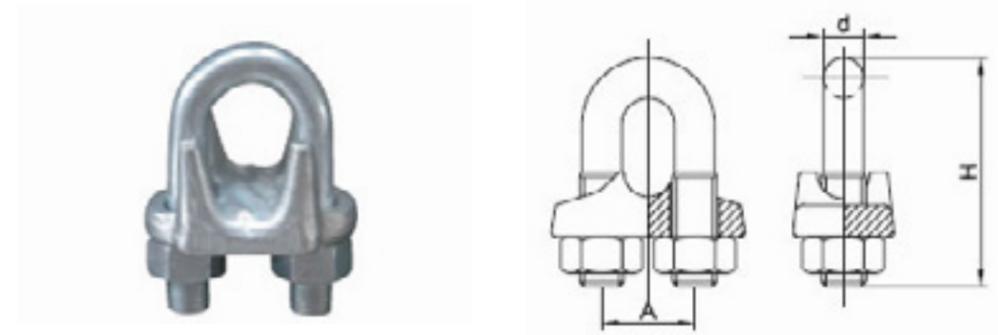
► Open Chock Joint



Item No	Rope Diameter (mm)	Dimensions(mm)					kg
		A	B	D	R	H	Weight
TH2406	6	29	13	16	20	90	0.9
TH2408	8	31	15	18	22	100	1.2
TH2410	10	38	18	20	25	120	1.5
TH2412	12	44	20	25	30	155	2.5
TH2414	14	51	23	30	35	180	4
TH2416	16	60	26	34	42	200	6.2
TH2418	18	64	28	36	44	220	9
TH2420	20	72	30	40	47	240	10.5
TH2422	22	76	32	45	52	250	14
TH2424	24	83	35	50	60	270	17
TH2426	26	92	38	55	65	290	22
TH2428	28	94	40	60	70	305	27
TH2432	32	110	44	65	77	370	38
TH2436	36	122	48	70	85	400	58
TH2440	40	140	55	75	90	450	74
TH2444	44	140	60	80	90	480	82
TH2448	48	144	65	85	95	500	88
TH2453	53	152	70	90	100	540	110

Wire Clip

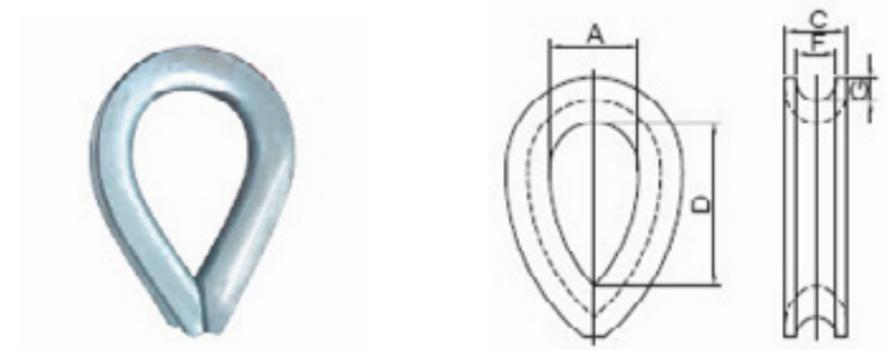
▶ Forged Steel Wire Rope Clip



Product Code	Specification		Main Dimension(mm)			Install Number
	Metri	Inch	d	A	H	
HS2606	6	1/4	8	19	26	2
HS2608	8	5/16	10	22	35	2
HS2610	10	3/8	12	25	38	3
HS2612	12	7/16	13	30	48	3
HS2614	14	1/2	13	30	48	3
HS2616	16(15)	9/16	14	33	57	3
HS2618	18	5/8	14	33	60	4
HS2620	20	3/4	16	38	70	4
HS2622	22	7/8	19	45	79	4
HS2624	24(25)	1	19	48	89	4
HS2628	28	11/8	19	51	99	4
HS2632	32	11/4	22	59	108	5
HS2636	36	13/8	22	60	118	5
HS2640	40	11/2	22	70	125	5
HS2644	44	15/8	26	70	135	6
HS2648	48	13/4	29	78	146	6
HS2652	52	2	32	86	164	6
HS2656	56	21/4	32	99	181	7
HS2660	60	21/2	32	105	195	7

Thimble

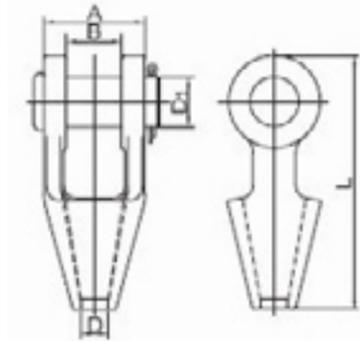
▶ Thimble



Produce Code	Application Rope Dia.(mm)	Main Dimension(mm)				
		F	C	A	D	G
HS2301	16	18.4	28	40	72	8.8
HS2302	18	20.7	31.5	45	81	9.9
HS2303	20	23	35	50	90	11
HS2304	22	25.3	38.5	55	99	12.1
HS2305	24	27.6	42	60	108	13.2
HS2306	26	29.2	45.5	65	117	14.3
HS2307	28	32.2	49	70	126	15.4
HS2308	32	36.8	56	80	144	17.6
HS2309	36	41.4	63	90	162	19.8
HS2310	40	46	70	100	180	22
HS2311	44	50.6	77	110	198	24.2
HS2312	48	55.2	84	120	216	26.4
HS2313	52	59.8	91	130	234	28.6
HS2314	56	64.4	98	140	252	30.8
HS2315	60	69	105	150	270	33

Socket

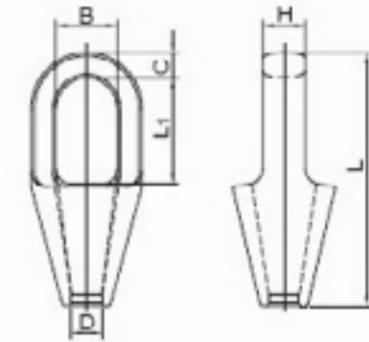
► Opened Steel Wire Rope Socket



Product Code	Applicable Wire Rope Diameter(mm)	Main Dimension(mm)				
		L	B	A	D	D1
HS2501	10.5	144	29	45	14	20
HS2502	12	159	31	49	16	22
HS2503	14	176	31	53	18	24
HS2504	16	193	32	58	20	26
HS2505	18	210	35	65	23	29
HS2506	20	227	37	73	25	32
HS2507	22.5	245	40	80	30	35
HS2508	24	262	44	88	32	38
HS2509	25	281	48	96	33	41
HS2510	28	298	51	103	36	44
HS2511	30	316	54	110	38	47
HS2512	31.5	335	56	118	40	50
HS2513	33.5	353	59	125	42	54
HS2514	36	373	62	132	44	57
HS2515	37.5	392	66	138	47	60
HS2516	40	413	70	146	49	63
HS2517	42	434	72	152	52	66
HS2518	45	474	79	167	54	72
HS2519	47.5	494	82	174	57	75
HS2520	50	516	85	181	60	78
HS2521	53	536	89	189	63	81
HS2522	56	567	93	199	66	85
HS2523	60	619	101	215	70	92
HS2524	63	641	105	221	74	95

Socket

► Closed Steel Wire Rope Socket



Product Code	Applicable Wire Rope Diameter(mm)	Main Dimension(mm)					
		L	L1	B	C	D	H
HS2551	10.5	144	63	32	15	14	18
HS2552	12	159	69	34	17	16	20
HS2553	14	176	76	37	19	18	22
HS2554	16	193	84	40	21	20	24
HS2555	18	210	91	43	24	23	27
HS2556	20	227	98	47	26	25	30
HS2557	22.5	245	105	52	29	30	33
HS2558	24	262	112	56	31	32	36
HS2559	25	281	120	60	34	33	39
HS2560	28	298	127	65	36	36	41
HS2561	30	316	134	68	39	38	44
HS2562	31.5	335	142	72	42	40	47
HS2563	33.5	353	150	75	44	42	50
HS2564	36	373	158	80	47	44	53
HS2565	37.5	392	168	84	47	47	56
HS2566	40	413	175	88	52	49	59
HS2567	42	434	184	92	54	52	61
HS2568	45	474	200	101	60	54	67
HS2569	47.5	494	209	104	62	57	70
HS2570	50	516	218	109	65	60	73
HS2571	53	536	227	113	67	63	76
HS2572	56	567	240	119	71	66	80
HS2573	60	619	262	129	78	70	87
HS2574	63	641	271	133	81	74	90

Webbing Sling

▶ Eye to Eye Webbing Sling



▶ Endless Webbing Sling



Sling Specification	Color	Normal Load on One Sling(kg)						Two Hoisting Belts are Normally Loaded (kg)			
		Hanging Straight Pull	Pull Together	0°-7°	7°-45°	45°-60°	45°	Hanging Straight Pull	Pull Together	Hanging Straight Pull	Pull Together
				1	0.8	2	1.4				
EB-A-01	●	1000	800	2000	1400	1000	700	1400	1120	1000	800
EB-A-02	●	2000	1600	4000	2800	2000	1400	2800	2240	2000	1600
EB-A-03	●	3000	2400	6000	4200	3000	2100	4200	3360	3000	2400
EB-A-04	●	4000	3200	8000	5600	4000	2800	5600	4480	4000	3200
EB-A-05	●	5000	4000	10000	7000	5000	3500	7000	5600	5000	4000
EB-A-06	●	6000	4800	12000	8400	6000	4200	8400	6720	6000	4800
EB-A-08	●	8000	6400	16000	11200	8000	5600	11200	8960	8000	6400
EB-A-10	●	10000	8000	20000	14000	10000	7000	14000	11200	10000	8000
EB-A-12	●	12000	9600	24000	16800	12000	8400	16800	13440	12000	9600
EB-A-15	●	15000	12000	30000	21000	15000	10500	21000	16800	15000	12000
EB-A-20	●	20000	16000	40000	28000	20000	14000	28000	22400	20000	16000
EB-A-25	●	25000	20000	50000	35000	25000	17500	35000	28000	25000	20000
EB-A-30	●	30000	24000	60000	42000	30000	21000	42000	33600	30000	24000
EB-A-40	●	40000	32000	80000	56000	40000	28000	56000	44800	40000	32000
EB-A-50	●	50000	40000	100000	70000	50000	35000	70000	56000	50000	40000

Specification

- **Material:** Polyester
- **Certificate:** Work shop certificate, class certificate upon request

Round Sling

▶ Eye to Eye Round Sling



▶ Endless Round Sling



Sling Specification	Color	Normal Load on One Sling (kg)						Two Hoisting Belts are Normally Loaded (kg)			
		Hanging Straight Pull	Pull Together	0°-7°	7°-45°	45°-60°	45°	Hanging Straight Pull	Pull Together	Hanging Straight Pull	Pull Together
				1	0.8	2	1.4				
EA-A-01	●	1000	800	2000	1400	1000	700	1400	1120	1000	800
EA-A-02	●	2000	1600	4000	2800	2000	1400	2800	2240	2000	1600
EA-A-03	●	3000	2400	6000	4200	3000	2100	4200	3360	3000	2400
EA-A-04	●	4000	3200	8000	5600	4000	2800	5600	4480	4000	3200
EA-A-05	●	5000	4000	10000	7000	5000	3500	7000	5600	5000	4000
EA-A-06	●	6000	4800	12000	8400	6000	4200	8400	6720	6000	4800
EA-A-08	●	8000	6400	16000	11200	8000	5600	11200	8960	8000	6400
EA-A-10	●	10000	8000	20000	14000	10000	7000	14000	11200	10000	8000
EA-A-12	●	12000	9600	24000	16800	12000	8400	16800	13440	12000	9600
EA-A-15	●	15000	12000	30000	21000	15000	10500	21000	16800	15000	12000
EA-A-20	●	20000	16000	40000	28000	20000	14000	28000	22400	20000	16000
EA-A-25	●	25000	20000	50000	35000	25000	17500	35000	28000	25000	20000
EA-A-30	●	30000	24000	60000	42000	30000	21000	42000	33600	30000	24000
EA-A-40	●	40000	32000	80000	56000	40000	28000	56000	44800	40000	32000
EA-A-50	●	50000	40000	100000	70000	50000	35000	70000	56000	50000	40000
EA-A-60	●	60000	48000	120000	84000	60000	42000	84000	67200	60000	48000
EA-A-80	●	80000	64000	160000	112000	80000	56000	112000	89600	80000	64000
EA-A-100	●	100000	80000	200000	140000	100000	70000	140000	112000	100000	80000
EA-A-200	●	200000	160000	400000	280000	200000	140000	420000	336000	200000	160000
EA-A-250	●	250000	200000	500000	350000	250000	175000	350000	280000	250000	200000

Specification

- **Material:** Polyester
- **Certificate:** Work shop certificate, class certificate upon request

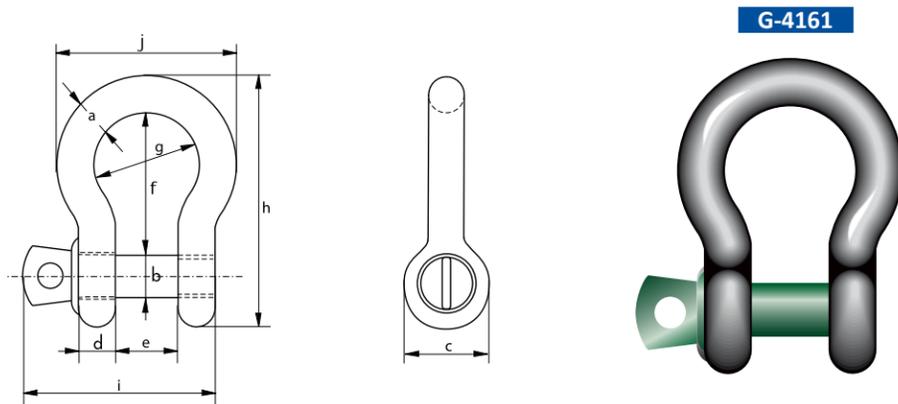
Special Lifting Sling



Green Pin® Standard Shackle

▶ Bow Shackles with Screw Collar Pin

- **Material:** bow and pin high tensile steel, Grade 6, quenched and tempered
- **Safety Factor:** MBL equals 6 x WLL
- **Standard:** EN 13889 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVA Class 2, Grade A
- **Finish:** hot dipped galvanized
- **Temperature Range:** -20°C up to +200°C
- **Certification:** at no extra charges this product can be supplied with a works certificate, material certificate, manufacturer test certificate, EC Declaration of Conformity and all shackles starting from 2 t can be supplied with DNV 2.7-1 certificate.

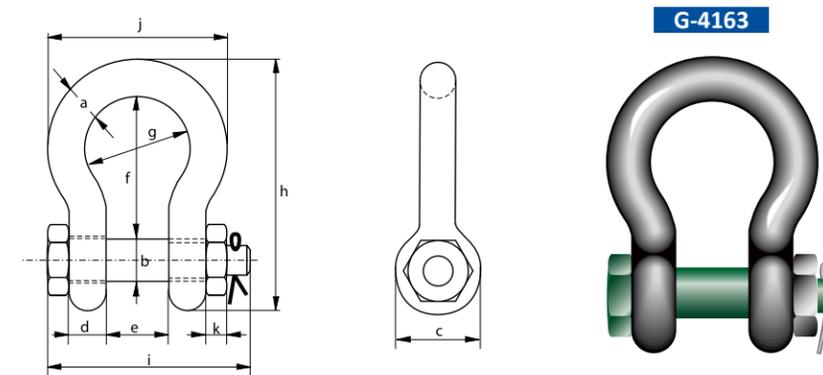


Working Load Limit	Diameter Bow	Diameter Pin	Diameter Eye	Width Eye	Width Inside	Length Inside	Width Bow	Length	Length bolt	Width	Weight Each
t	a	b	c	d	e	f	g	h	i	j	kg
0.33	5	6	12	5	9.5	22	16	36	29.5	26	0.02
0.5	7	8	16.5	7	12	29	20	48.5	38	34	0.05
0.75	9	10	20	9	13.5	32	22	56	46.5	40	0.1
1	10	11	22.5	10	17	36.5	26	63.5	54	46	0.14
1.5	11	13	26.5	11	19	43	29	74	59.5	51	0.19
2	13.5	16	34	13	22	51	32	89	73	58	0.36
3.25	16	19	40	16	27	64	43	110	89	75	0.63
4.75	19	22	46	19	31	76	51	129	103	89	1.01
6.5	22	25	52	22	36	83	58	144	119	102	1.5
8.5	25	28	59	25	43	95	68	164	137	118	2.21
9.5	28	32	66	28	47	108	75	185	153	131	3.16
12	32	35	72	32	51	115	83	201	170	147	4.31
13.5	35	38	80	35	57	133	92	227	186	162	5.55
17	38	42	88	38	60	146	99	249	203	175	7.43
25	45	50	103	45	74	178	126	300	243	216	12.84
35	50	57	111	50	83	197	138	331	272	238	18.15
42.5	57	65	130	57	95	222	160	377	310	274	26.29
55	65	70	145	65	105	260	180	433	344	310	37.6

Green Pin® Standard Shackle

▶ Bow Shackles with Safety Bolt

- **Material:** bow and pin high tensile steel, Grade 6, quenched and tempered
- **Safety Factor:** MBL equals 6 x WLL
- **Standard:** EN 13889 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVA Class 3, Grade A
- **Finish:** hot dipped galvanized
- **Temperature Range:** -40°C up to +200°C
- **Certification:** Workshop certificate



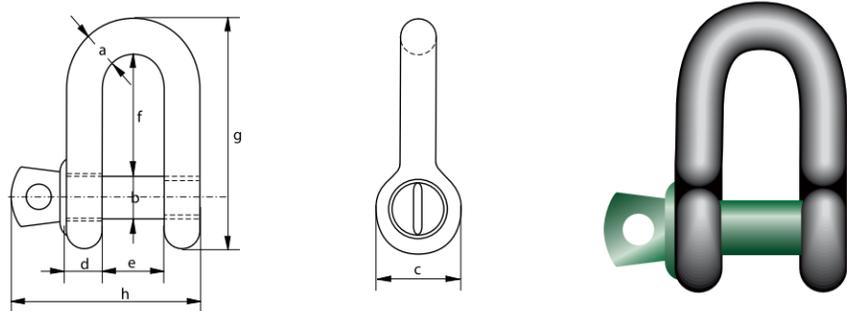
Working Load Limit	Diameter Bow	Diameter Pin	Diameter Eye	Width Eye	Width Inside	Length Inside	Width Bow	Length	Length Bolt	Width	Thickness Nut	Weight Each
t	a	b	c	d	e	f	g	h	i	j	k	kg
0.5	7	8	16.5	7	12	29	20	48.5	42	34	4	0.06
0.75	9	10	20	9	13.5	32	22	56	50	40	5	0.11
1	10	11	22.5	10	17	36.5	26	63.5	60	46	8	0.16
1.5	11	13	26.5	11	19	43	29	74	67	51	11	0.22
2	13.5	16	34	13	22	51	32	89	82	58	13	0.42
3.25	16	19	40	16	27	64	43	110	98	75	17	0.74
4.75	19	22	46	19	31	76	51	129	114	89	19	1.18
6.5	22	25	52	22	36	83	58	144	130	102	22	1.77
8.5	25	28	59	25	43	95	68	164	150	118	25	2.58
9.5	28	32	66	28	47	108	75	185	166	131	27	3.66
12	32	35	72	32	51	115	83	201	178	147	30	4.91
13.5	35	38	80	35	57	133	92	227	197	162	33	6.54
17	38	42	88	38	60	146	99	249	202	175	19	8.19
25	45	50	103	45	74	178	126	300	249	216	23	14.22
35	50	57	111	50	83	197	138	331	269	238	26	19.85
42.5	57	65	130	57	95	222	160	377	301	274	29	28.33
55	65	70	145	65	105	260	180	433	330	310	32	39.59
85	75	83	162	73	127	329	190	527	380	340	39	62

Green Pin® Standard Shackle

▶ Dee Shackles with Screw Collar Pin

- **Material:** bow and pin high tensile steel, Grade 6, quenched and tempered
- **Safety Factor:** MBL equals 6 x WLL
- **Standard:** EN 13889 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVB Class 2, Grade A
- **Finish:** hot dipped galvanized
- **Temperature Range:** -40 °C up to +200 °C
- **Certification:** Workshop certificate

G-4151



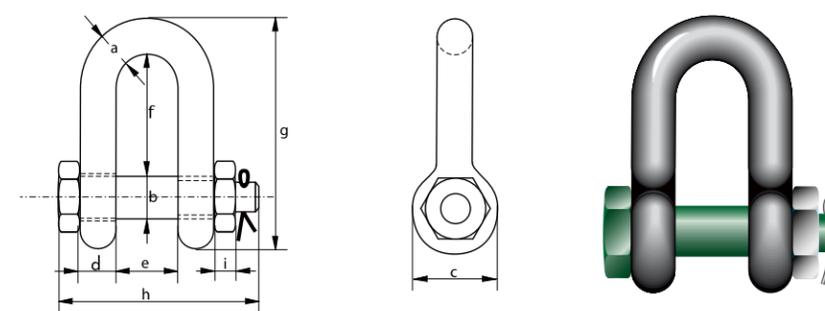
Working Load Limit	Diameter Bow	Diameter Pin	Diameter Eye	Width Eye	Width Inside	Length Inside	Length	Length Bolt	Weight Each
t	a	b	c	d	e	f	g	h	kg
	mm	mm	mm	mm	mm	mm	mm	mm	
0.33	5	6	12	5	9.5	19	33	29.5	0.02
0.5	7	8	16.5	7	12	22	41.5	38	0.05
0.75	9	10	20	9	13.5	26	50	46.5	0.09
1	10	11	22.5	10	17	32	59	54	0.14
1.5	11	13	26.5	11	19	37	68	59.5	0.19
2	13.5	16	34	13	22	43	81	73	0.32
3.25	16	19	40	16	27	51	97	89	0.54
4.75	19	22	46	19	31	59	112	103	0.87
6.5	22	25	52	22	36	73	134	119	1.34
8.5	25	28	59	25	43	85	154	137	2.08
9.5	28	32	66	28	47	90	167	153	2.77
12	32	35	72	32	51	94	180	170	3.72
13.5	35	38	80	35	57	115	209	186	5.14
17	38	42	88	38	60	127	230	203	6.85
25	45	50	103	45	74	149	271	243	11.45
35	50	57	111	50	83	171	305	272	16.86
42.5	57	65	130	57	95	190	345	310	24.61
55	65	70	145	65	105	203	376	344	32.65

Green Pin® Standard Shackle

▶ Dee Shackles with Safety Bolt

- **Material:** bow and pin high tensile steel, Grade 6, quenched and tempered
- **Safety Factor:** MBL equals 6 x WLL
- **Standard:** EN 13889 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVB Class 3, Grade A
- **Finish:** hot dipped galvanized
- **Temperature Range:** -40 °C up to +200 °C
- **Certification:** Workshop certificate

G-4153

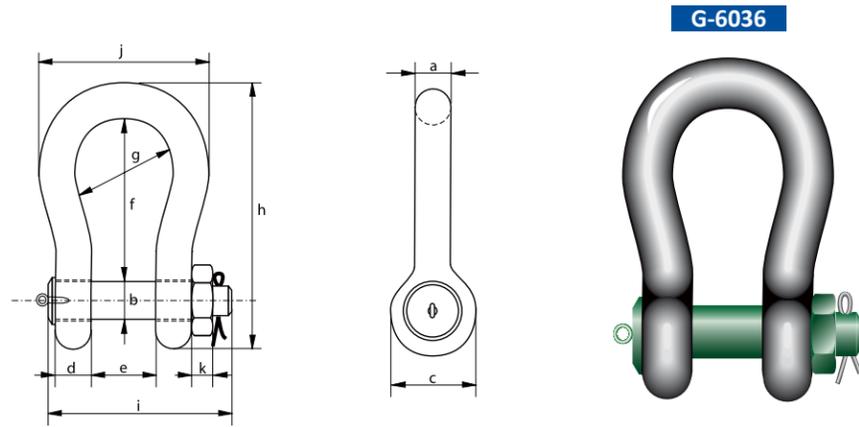


Working Load Limit	Diameter Bow	Diameter Pin	Diameter Eye	Width Eye	Width Inside	Length Inside	Length	Length Bolt	Thickness Nut	Weight Each
t	a	b	c	d	e	f	g	h	i	kg
	mm	mm	mm	mm	mm	mm	mm	mm	mm	
2	13.5	16	34	13	22	43	81	82	13	0.39
3.25	16	19	40	16	27	51	97	98	17	0.67
4.75	19	22	46	19	31	59	112	114	19	1.08
6.5	22	25	52	22	36	73	134	130	22	1.66
8.5	25	28	59	25	43	85	154	150	25	2.46
9.5	28	32	66	28	47	90	167	166	27	3.4
12	32	35	72	32	51	94	180	178	30	4.51
13.5	35	38	80	35	57	115	209	197	33	6.1
17	38	42	88	38	60	127	230	202	19	7.63
25	45	50	103	45	74	149	271	249	23	13.25
35	50	57	111	50	83	171	305	269	26	18.53
42.5	57	65	130	57	95	190	345	301	29	25.94
55	65	70	145	65	105	203	376	330	32	35.33
85	75	83	162	73	127	229	427	380	39	52.97

Green Pin® Standard Shackle

▶ Bow Shackles with Safety Bolt

- **Material:** bow and pin alloy steel, Grade 8 quenched and tempered
- **Safety Factor:** MBL equals 5 x WLL
- **Finish:** shackle bow painted silver, pin painted green (120 tons shackle is hot dipped galvanized)
- **Certification:** Workshop certificate

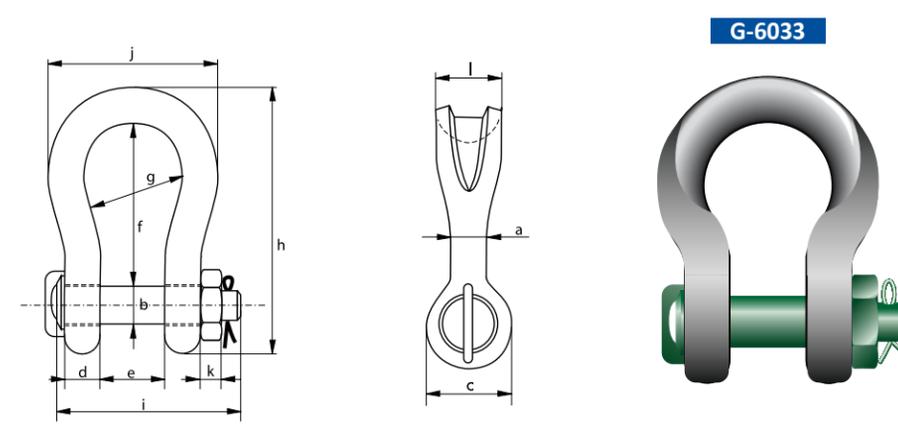


Working Load Limit	Diameter Bow	Diameter Pin	Diameter Eye	Width Eye	Width Inside	Length Inside	Width Bow	Length	Length Bolt	Width	Thickness Nut	Weight Each
t	a	b	c	d	e	f	g	h	i	j	k	kg
120	95	95	208	91	147	400	238	647	440	428	50	110
150	105	108	238	102	169	410	275	688	490	485	60	160
200	120	130	279	113	179	513	290	838	520	530	60	235
250	130	140	299	118	205	554	305	904	560	565	65	285
300	140	150	325	123	205	618	305	996	575	585	70	340
400	170	175	376	164	231	668	325	1114	690	665	70	560
500	180	185	398	164	256	718	350	1190	720	710	70	685
600	200	205	444	189	282	718	375	1243	810	775	70	880
700	210	215	454	204	308	718	400	1263	870	820	70	980
800	210	220	464	204	308	718	400	1270	870	820	70	1100
900	220	230	485	215	328	718	420	1296	920	860	70	1280
1000	240	240	515	215	349	718	420	1336	940	900	70	1460
1250	260	270	585	230	369	768	450	1456	1025	970	70	1990
1500	280	290	625	230	369	818	450	1556	1025	1010	70	2400

Green Pin® Standard Shackle

▶ Bow Shackles with Safety Bolt

- **Material:** bow and pin alloy steel, Grade 8, quenched and tempered
- **Safety Factor:** MBL equals 5 x WLL
- **Finish:** shackle bow painted silver, pin painted green
- **Temperature Range:** -20 °C up to +200 °C
- **Certification:** Workshop certificate



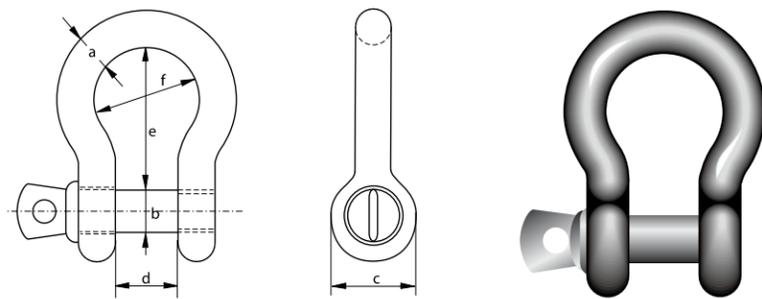
Working Load Limit	Diameter Bow	Diameter Pin	Diameter Eye	Width Eye	Width Inside	Length Inside	Width Bow	Length	Length Bolt	Width	Thickness Nut	Bearing Surface	Weight Each
t	a	b	c	d	e	f	g	h	i	j	k	l	kg
18	35	35	69	30	52	147	102	239	165	180	29	64	7
30	40	42	90	35	69	165	126	279	207	200	34	79	13
40	55	51	109	45	84	199	140	331	252	235	38	97	21
55	60	57	115	55	90	240	160	389	294	270	45	100	30
75	68	70	125	54	110	290	185	473	327	317	54	120	48
125	85	80	154	85	137	366	220	583	426	390	64	150	92
150	94	95	179	89	147	391	253	645	435	434	50	170	140
200	110	105	199	100	158	481	280	759	470	482	50	205	205
250	126	120	227	110	179	542	300	859	519	530	60	240	264
300	135	134	245	122	195	601	350	947	575	620	70	265	360
400	160	160	293	145	231	576	370	985	675	690	80	320	580
500	170	180	328	160	263	681	450	1131	748	790	90	339	780
600	190	200	348	170	289	741	490	1234	809	865	100	370	980
700	200	215	392	190	315	751	540	1284	879	901	100	400	1360
800	218	230	420	200	342	851	554	1426	942	947	110	420	1430
900	242	255	466	220	368	851	580	1488	1023	1023	120	440	1650
1000	260	270	490	240	399	851	614	1532	1103	1107	120	460	2120
1250	285	300	510	260	452	931	650	1666	1227	1182	150	530	3700
1500	285	320	550	280	483	950	680	1710	1300	1253	150	560	4000

Yellow Pin Shackle

▶ Bow Shackles with Screw Collar Pin

- **Material:** bow and pin high tensile steel, Grade 6
- **Standard:** generally to US Fed. Spec. RR-C-271
- **Finish:** hot dipped galvanized
- **Temperature Range:** -40 °C up to +200 °C
- **Certification:** Workshop certificate
- **Note :** import quality

G-3161



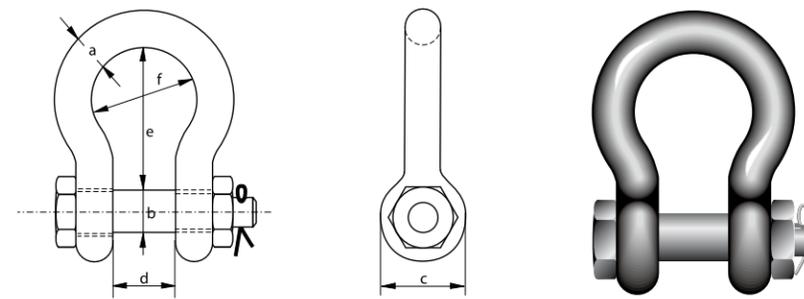
Working Load Limit	Diameter Bow	Diameter Pin	Diameter Eye	Width Inside	Length Inside	Width Bow	Weight Each
t	a	b	c	d	e	f	kg
	mm	mm	mm	mm	mm	mm	
0.33	5	6	14	9.5	22	15	0.03
0.5	6	8	16	12	29	20	0.05
0.75	8	10	19	13.5	31	21	0.09
1	10	11	23	17	37	26	0.14
1.5	11	13	27	19	43	29	0.2
2	13	16	30	20	48	33	0.33
3.25	16	19	38	27	60	43	0.62
4.75	19	22	46	32	71	50	1.07
6.5	22	25	53	36	84	58	1.64
8.5	25	28	61	43	95	68	2.28
9.5	28	32	68	46	108	74	3.36
12	32	35	76	51	119	82	4.31
13.5	35	38	84	57	133	92	6.14
17	38	42	92	60	146	98	7.81
25	45	50	106	73	177	127	12.61

Yellow Pin Shackle

▶ Bow Shackles with Safety Bolt

- **Material:** bow and pin high tensile steel, Grade 6
- **Standard:** generally to US Fed. Spec. RR-C-271
- **Finish:** hot dipped galvanized
- **Certification:** Workshop certificate
- **Note :** import quality

G-3163

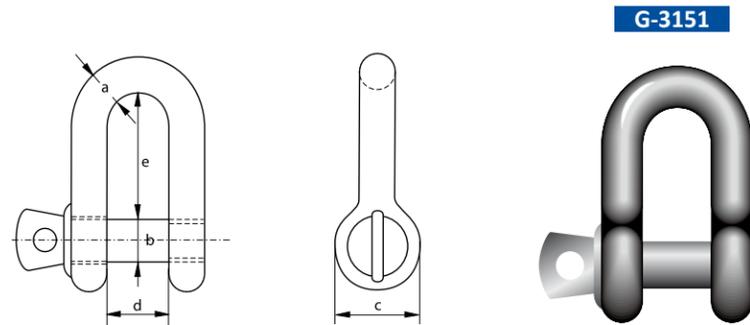


Working Load Limit	Diameter Bow	Diameter Pin	Diameter Eye	Width Inside	Length Inside	Width Bow	Weight Each
t	a	b	c	d	e	f	kg
	mm	mm	mm	mm	mm	mm	
2	13	16	30	20	48	33	0.36
3.25	16	19	38	27	60	43	0.7
4.75	19	22	46	32	71	50	1.1
6.5	22	25	53	36	84	58	1.79
8.5	25	28	61	43	95	68	2.57
9.5	28	32	68	46	108	74	3.75
12	32	35	76	51	119	82	5.32
13.5	35	38	84	57	133	92	7.19
17	38	42	92	60	146	98	9.44
25	45	50	106	73	177	127	15.4

Yellow Pin Shackle

▶ Bow Shackles with Screw Collar Pin

- **Material:** bow and pin high tensile steel, Grade 6
- **Standard:** generally to US Fed. Spec. RR-C-271
- **Finish:** hot dipped galvanized
- **Temperature Range:** -40 °C up to +200 °C
- **Certification:** Workshop certificate
- **Note :** import quality

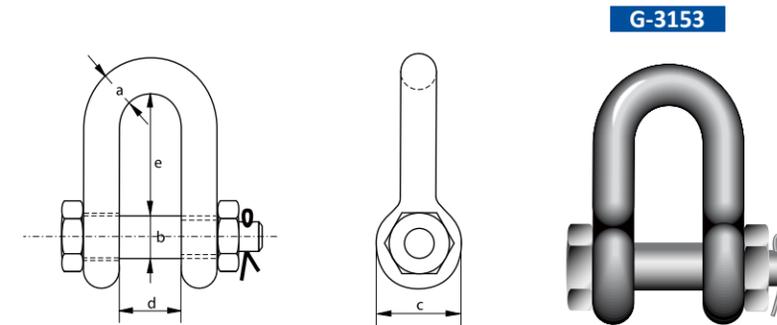


Working Load Limit	Diameter Bow	Diameter Pin	Diameter Eye	Width Inside	Length Inside	Weight Each
t	a	b	c	d	e	kg
	mm	mm	mm	mm	mm	
0.33	5	6	12	9.5	19	0.03
0.5	6	8	16	12	22	0.05
0.75	8	10	19	13.5	26	0.08
1	10	11	23	17	32	0.13
1.5	11	13	27	19	37	0.2
2	13	16	30	20	41	0.27
3.25	16	19	38	27	51	0.57
4.75	19	22	46	32	60	1.19
6.5	22	25	53	36	71	1.43
8.5	25	28	61	43	81	2.16
9.5	28	32	68	46	90	3.06
12	32	35	76	51	100	4.11
13.5	35	38	84	57	111	5.28
17	38	42	92	60	122	7.24
25	45	50	106	73	146	12.14

Yellow Pin Shackle

▶ Dee Shackles with Safety Bolt

- **Material:** bow and pin high tensile steel, Grade 6
- **Standard:** generally to US Fed. Spec. RR-C-271
- **Finish:** hot dipped galvanized
- **Certification:** Workshop certificate
- **Note :** import quality

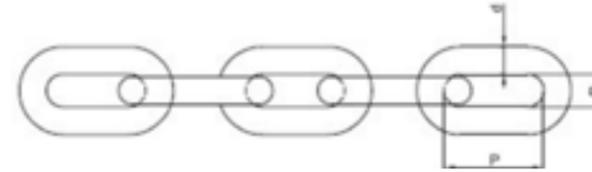


Working Load Limit	Diameter Bow	Diameter Pin	Diameter Eye	Width Inside	Length Inside	Weight Each
t	a	b	c	d	e	kg
	mm	mm	mm	mm	mm	
2	13	16	30	20	41	0.35
3.25	16	19	38	27	51	0.65
4.75	19	22	46	32	60	1.02
6.5	22	25	53	36	71	1.75
8.5	25	28	61	43	81	2.52
9.5	28	32	68	46	90	3.5
12	32	35	76	51	100	4.91
13.5	35	38	84	57	111	5.84
17	38	42	92	60	122	8.4
25	45	50	106	73	146	11.9



Lifting Chain

► T8 (80) High Strength Lifting Chain

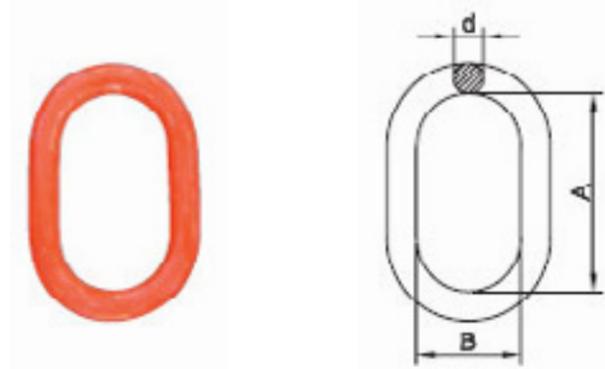


Chain Diameter(d)	Basic Diameter(mm)		SWL(t)	Minimum Breaking Load(KN)	Weight (kg/m)
	Inside Width(B)	Pitch(P)			
φ6	8.4	18	0.75	45.1	0.9
φ8	10	24	1.2	80.4	1.5
φ10	12.5	30	2	125.5	2.3
φ12	15	36	3.6	181	3.3
φ14	18	42	5	244	4.6
φ16	20	48	6.5	320.7	5.9
φ18	23	54	7	406.3	7.5
φ20	25	60	8	502.5	9.2
φ22	28	68	10	610	11
φ24	30	86	12	720	12.4
φ26	32	92	15	850	14.5
φ30	36	104	22	1130	20.9
φ34	42	126	28	1305	24.4
φ36	44	126	32	1460	27.8



Master Link

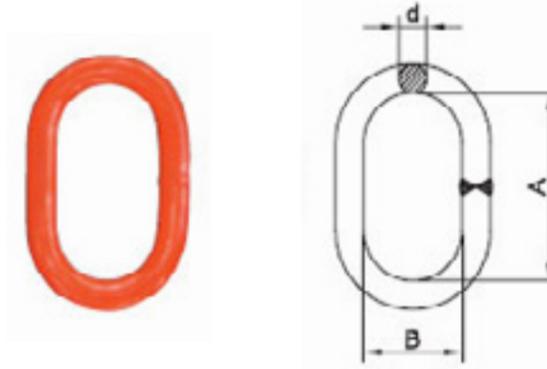
► High Strength Seamless Long Ring



Product Code	SWL(t)	Unit(mm)			Dead Weight (kg)
		d	B	A	
HS2101	2t	φ22	90	140	1.7
HS2102	3t	φ26	100	160	2.6
HS2103	5t	φ32	110	190	4.6
HS2104	8t	φ36	120	200	6.2
HS2105	10t	φ40	140	260	9.5
HS2106	16t	φ42	140	260	10.6
HS2107	20t	φ45	160	300	13.8
HS2108	32t	φ50	180	370	20.4
HS2109	40t	φ55	180	390	25.9
HS2110	60t	φ60	220	390	32.4
HS2111	80t	φ70	240	420	48.4

Master Link

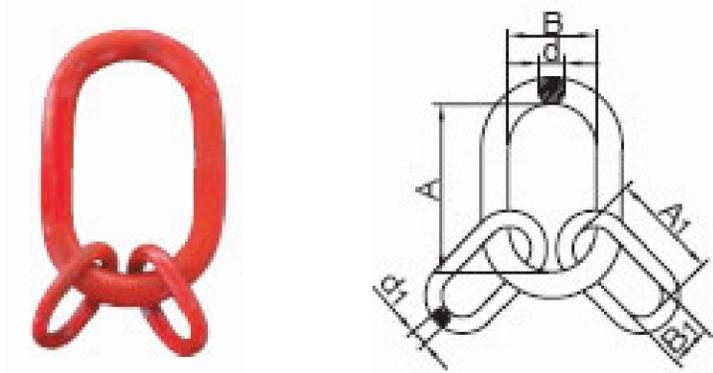
► High Strength Welding Long Ring



Product Code	SWL(t)	Unit(mm)			Dead Weight (kg)
		d	B	A	
HS2121	2t	φ25	80	160	2.3
HS2122	3t	φ28	80	160	2.9
HS2123	5t	φ32	100	180	4.3
HS2124	8t	φ36	130	220	6.7
HS2125	10t	φ40	130	220	8.4
HS2126	16t	φ42	150	280	11.3
HS2127	20t	φ45	150	280	13.1
HS2128	32t	φ50	180	350	19.7
HS2129	40t	φ55	180	350	24.1
HS2130	60t	φ65	200	400	39.2
HS2131	80t	φ75	200	400	57.8

Master Link

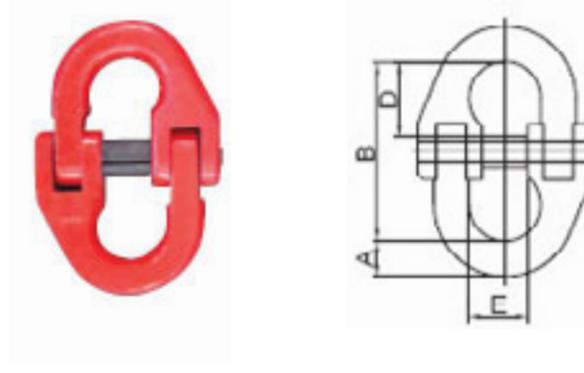
► Zimu Ring



Product Code	SWL(t)	Unit(mm)					
		A	B	d	A1	B1	d1
HS2201	2t	140	80	25	60	32	14
HS2202	3t	160	80	28	65	36	16
HS2203	5t	180	100	32	80	45	18
HS2204	10t	220	130	40	100	55	22
HS2205	20t	280	150	45	110	65	28
HS2206	32t	350	180	50	120	70	35
HS2207	40t	350	180	55	140	80	40

Master Link

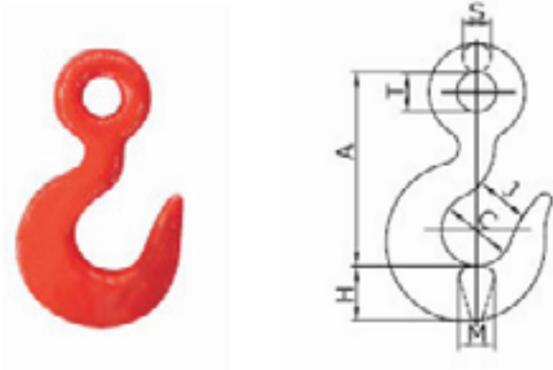
► Chain Connecting Ring (double ring buckle connection)



Product Code	Metric (in)	SWL		Technical Parameter(mm)				Suitable Connecting Rope (mm)
		(t)	(Lbs)	A	B	D	E	
HS2221	1/4	1.5	3,500	9	48	20	16	φ8-10
HS2222	5/16	2	4,500	10	54	22	17.5	φ10-12
HS2223	3/8	3.2	7,100	13	63	26	22	φ12-14
HS2224	1/2	5.4	12,000	16	87	36	29	φ14-16
HS2225	5/8	8	18,100	19	105	44	36	φ18-20
HS2226	3/4	12.5	28,300	24	120	52	41	φ22-24
HS2227	7/8	16	34,200	27	140	58	51	φ25-28
HS2228	1	21	47,700	31	152	63	57	φ30-36
HS2229	1 1/4	32	72,300	38	188	77	65	φ38-45

Hook

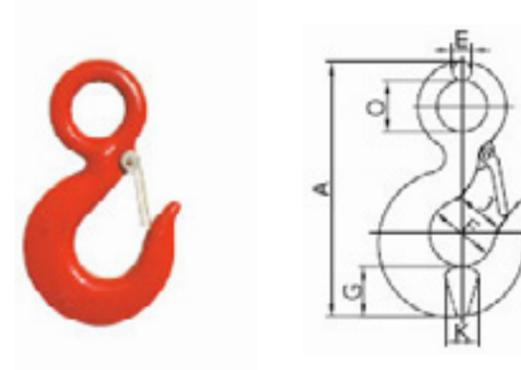
▶ Ring Eye Hook



Product Code	SWL(t)	Main Dimension(mm)						
		C	A	S	T	H	M	L5
HS4101	0.5t	28	76	11	16	22	21	21
HS4102	1t	36	97	14	20	28	27	27
HS4103	1.5t	44	119	18	25	34	33	33
HS4104	2t	47	127	19	26	37	36	36
HS4105	2.5t	53	144	21	30	42	40	40
HS4106	3t	57	154	23	32	44	45	45
HS4107	5t	73	198	29	41	57	55	55
HS4108	8t	89	241	36	50	69	67	67
HS4109	10t	98	265	39	55	77	50	74

Hook

▶ American Standard Eye Hook

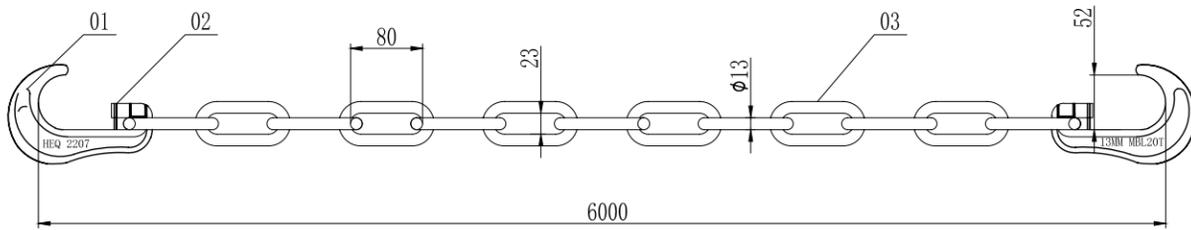


Product Code	SWL(t)	Main Dimension(mm)						
		A	D	E	F	G	K	J
HS4201	1t	112	72	9	21	19	15	23
HS4202	1.5t	129	79	10.5	24	21	17	24.5
HS4203	2t	143	90	12	27	25	19	25.5
HS4204	3t	162	101	15	30	29	22	28.5
HS4205	4.5t	201	122	17.5	35	37	29	34
HS4206	7t	256	159	23	45	46	35	43
HS4207	11t	316	189	28	54	57	41	53
HS4208	15t	354	211	33	62	66	46	58
HS4109	10t	98	265	39	55	77	50	74



Lashing Equipment ● ● ●

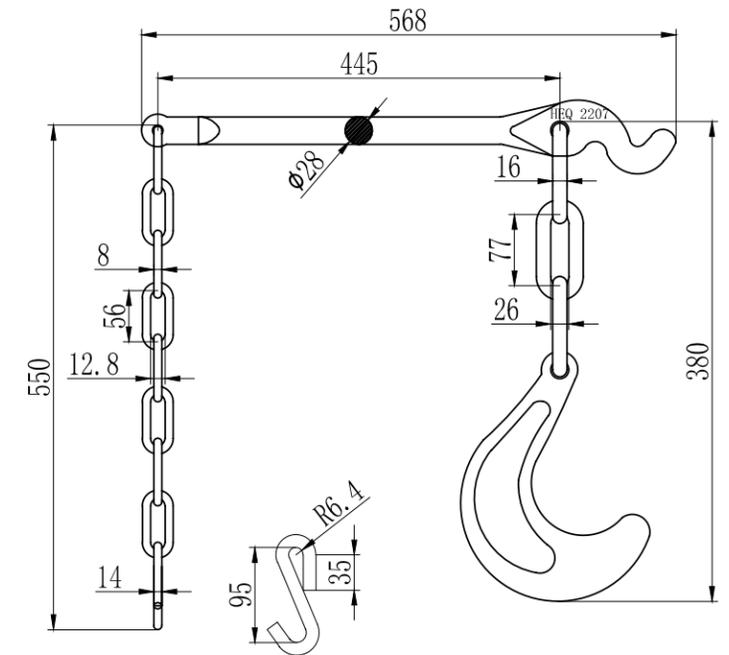
Lashing Chain



3	1	Lashing Chain	HSLC-20-3	20Mn2	
2	1	Spring Pin	HSLC-20-2	65Mn	
1	1	C Hook	HSLC-20-1	40Cr	
ITEM	QTY	DESCRIPTION	DRAWING NO.	MATERIAL	REMARK
DRW BY	Allen Yu	Lashing Chain Dia13mm L6m		MSL	10ton
CHK BY	Kevin Lee	Hook-Hook		MBL	20ton
DATE	Jan 30, 2023	TYPE	HTJ-11/01	WEIGHT	19.5kg
SHANGHAI HANSE ENGINEERING CO., LIMITED				FINISH	Painted



Tension Lever

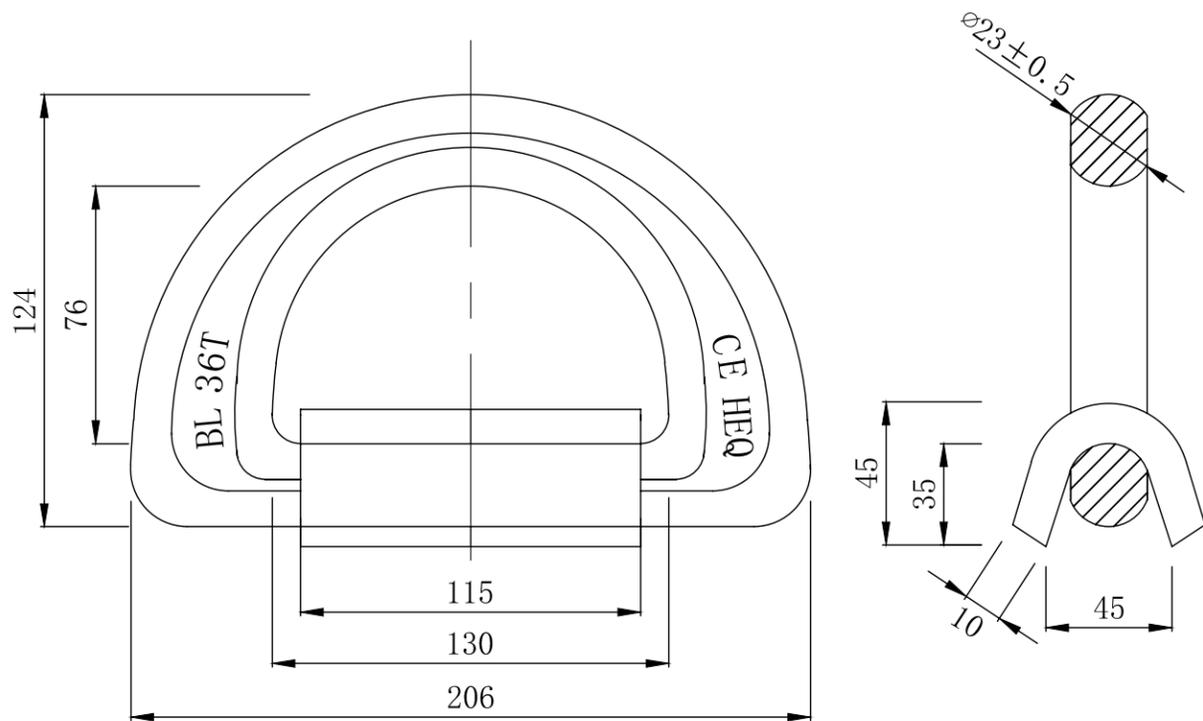


Tensioner	
MSL	10ton
MBL	20ton
WEIGHT	5.8kg



D-ring with Cup

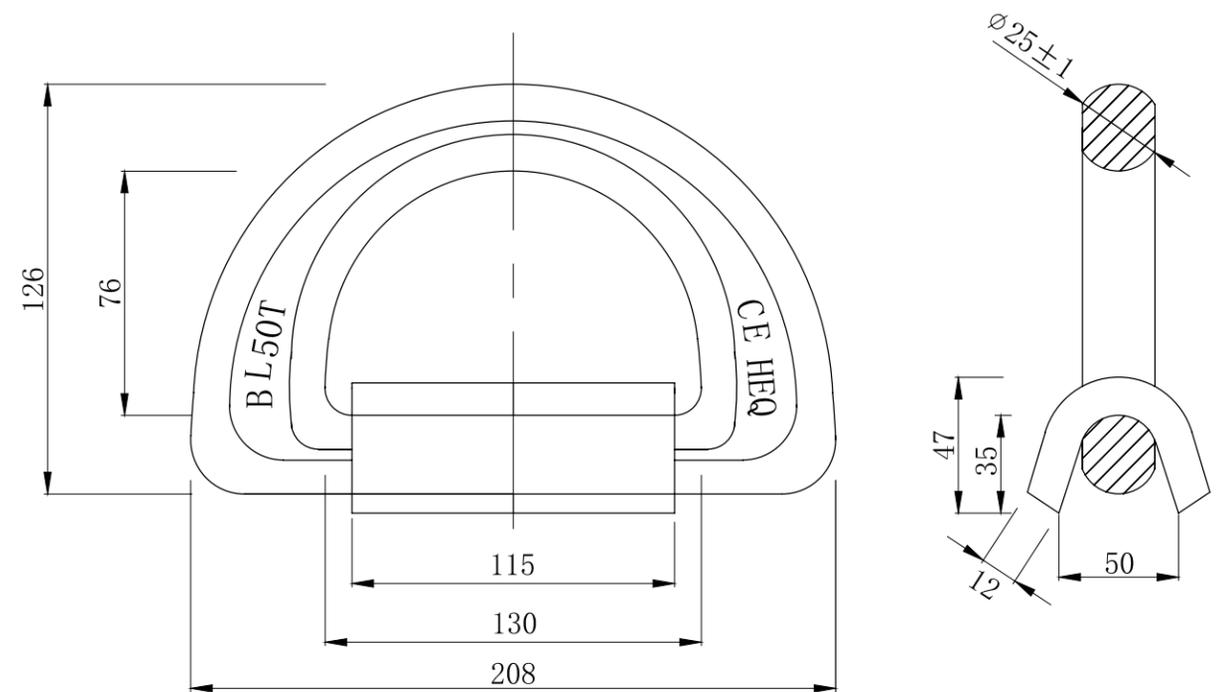
► MBL36t



DRW BY	Allen Yu	D-RING		MATERIAL	40Cr
CHK BY	Kevin Lee			MBL	36ton
DATE	Jan 30, 2023	TYPE	DR-6/36	WEIGHT	2.9kg
Hanse EQUIPMENT	SHANGHAI HANSE ENGINEERING CO., LIMITED			FINISH	Steel Color

D-ring with Cup

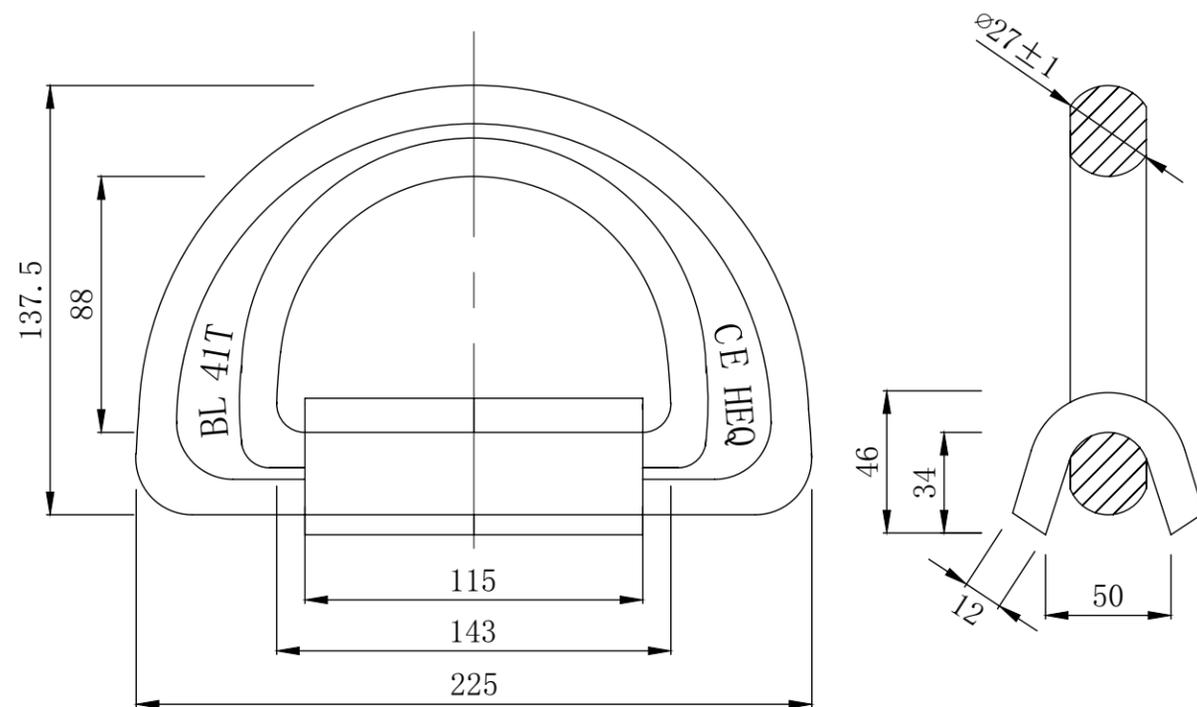
► MBL50t



DRW BY	Allen Yu	D-RING		MATERIAL	40Cr
CHK BY	Kevin Lee			MBL	50ton
DATE	Jan 30, 2023	TYPE	DR-6/50	WEIGHT	3.3kg
Hanse EQUIPMENT	SHANGHAI HANSE ENGINEERING CO., LIMITED			FINISH	Steel Color

D-ring with Cup

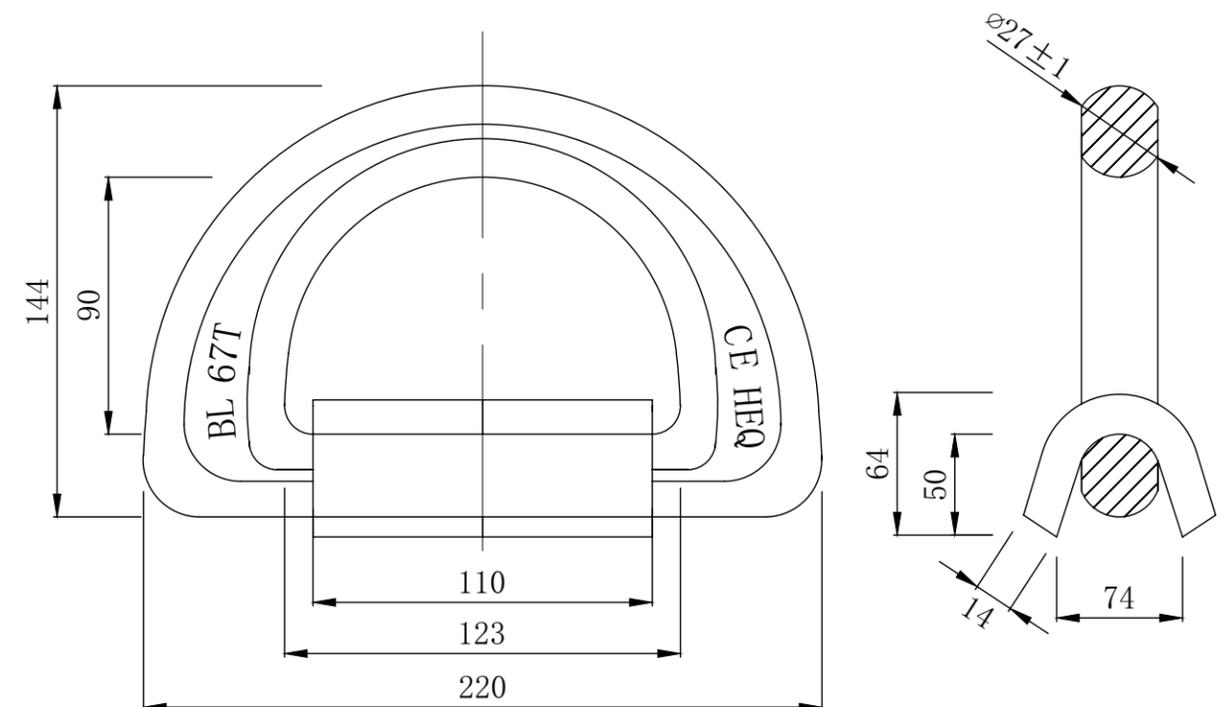
► MBL41t



DRW BY	Allen Yu	D-RING		MATERIAL	40Cr
CHK BY	Kevin Lee			MBL	41ton
DATE	Jan 30, 2023	TYPE	DR-6/41	WEIGHT	3.1kg
Hanse EQUIPMENT	SHANGHAI HANSE ENGINEERING CO., LIMITED			FINISH	Steel Color

D-ring with Cup

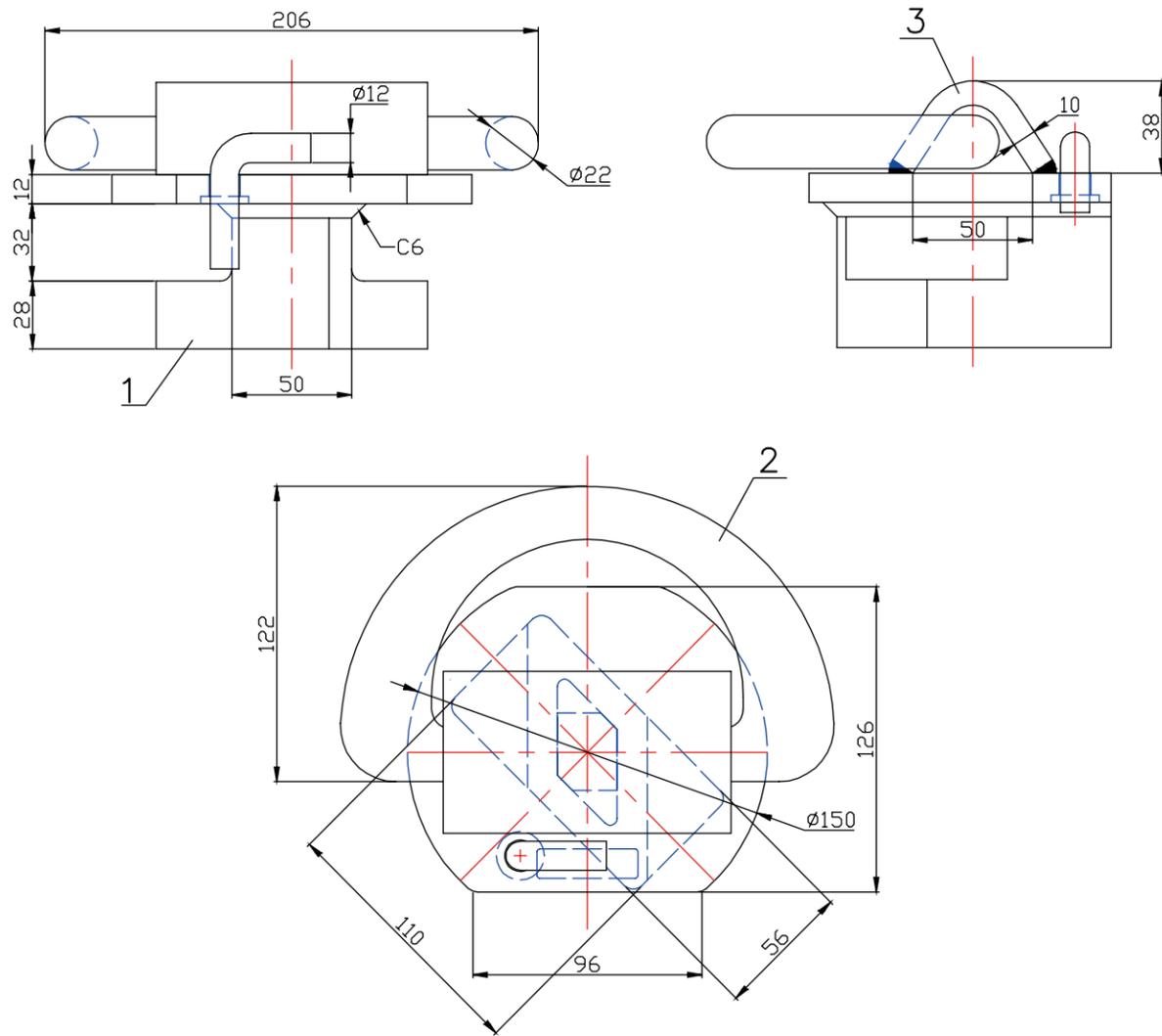
► MBL67t



DRW BY	Allen Yu	D-RING		MATERIAL	40Cr
CHK BY	Kevin Lee			MBL	67ton
DATE	Jan 30, 2023	TYPE	DR-6/67	WEIGHT	4.4kg
Hanse EQUIPMENT	SHANGHAI HANSE ENGINEERING CO., LIMITED			FINISH	Steel Color

Turnfoot D-ring

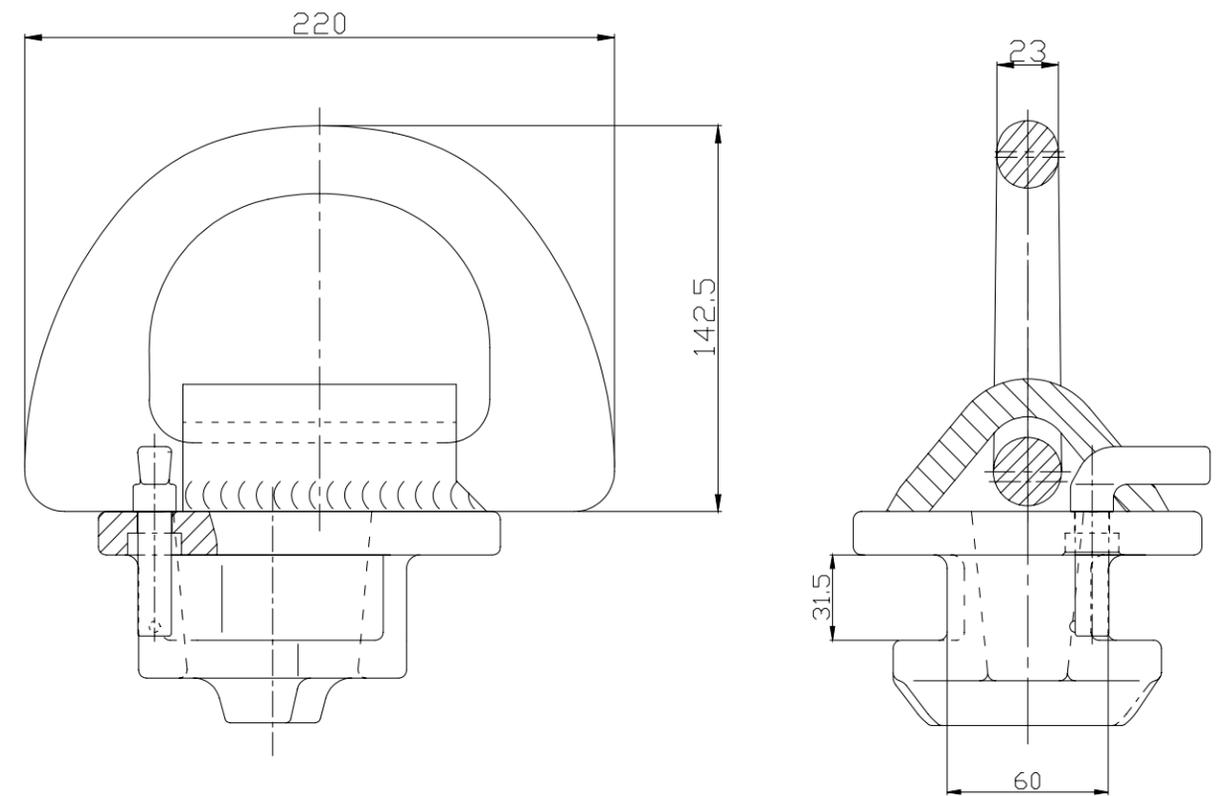
► MBL36t



DRW BY	Allen Yu	Turnfoot D-ring		MSL	18ton
CHK BY	Kevin Lee			MBL	36ton
DATE	Jan 30, 2023	TYPE	TDR-5/36	WEIGHT	6.1kg
		SHANGHAI HANSE ENGINEERING CO., LIMITED		FINISH	Painted

Turnfoot D-ring

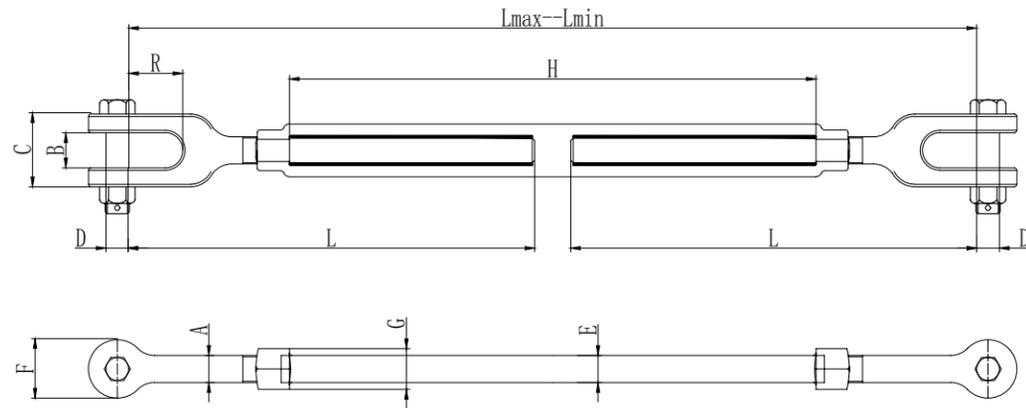
► MBL50t



DRW BY	Allen Yu	Turnfoot D-ring		MSL	25ton
CHK BY	Kevin Lee			MBL	50ton
DATE	Jan 30, 2023	TYPE	TDR-5/50	WEIGHT	6.3kg
		SHANGHAI HANSE ENGINEERING CO., LIMITED		FINISH	Painted

Turnbuckle

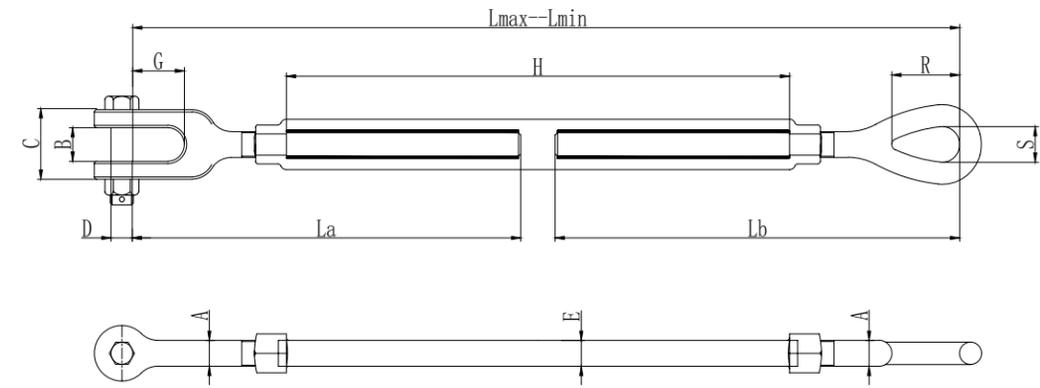
► High Tensile Steel Jaw to Jaw Turnbuckle



Inches	WLL(T)	Dimensions(mm)											
		A	B	C	D	E	F	G	H±2	L	R	Lmin	Lmax
1/4*4	0.22	6.35	10.4	22.8	6.35	8.5	16	12.7	101.6	88	17	176	277
5/16*4-1/2	0.36	7.9	11.9	25.4	6.35	9.5	17.5	14.2	114.3	106	23.4	212	314
3/8*6	0.55	9.65	12.7	27.4	7.9	9.5	20.6	15.7	152.4	128	23.5	257	410
1/2*6	0.99	12.7	16	36	9.5	12.7	25.4	20.6	152.4	146	28	292	444
1/2*9	0.99	12.7	16	36	9.5	12.7	25.4	20.6	228.6	184	28	368	597
1/2*12	0.99	12.7	16	36	9.5	12.7	25.4	20.6	304.8	222	28	444	749
5/8*6	1.59	16	19	44	12.7	16	33	25.4	152.4	163	35	325	477
5/8*9	1.59	16	19	44	12.7	16	33	25.4	228.6	200	35	402	630
5/8*12	1.59	16	19	44	12.7	16	33	25.4	304.8	240	35	478	782
3/4*6	2.36	19	24	49.5	15.7	19	41	28.5	152.4	178	40	355	508
3/4*9	2.36	19	24	49.5	15.7	19	41	28.5	228.6	216	40	432	660
3/4*12	2.36	19	24	49.5	15.7	19	41	28.5	304.8	254	40	508	813
3/4*18	2.36	19	24	49.5	15.7	19	41	28.5	457	330	40	660	1117
7/8*12	3.27	22.3	29	60	19	22.3	48	33.5	303	271	45	542	845
7/8*18	3.27	22.3	29	60	19	22.3	48	33.5	457	348	45	695	1152
1*6	4.5	25.4	31	67	22	25.4	54	38	154	212	52	424	578
1*12	4.5	25.4	31	67	22	25.4	54	38	302	290	52	580	882
1*18	4.5	25.4	31	67	22	25.4	54	38	450	365	52	730	1180
1*24	4.5	25.4	31	67	22	25.4	54	38	600	441	52	882	1482
1-1/4*12	6.9	32	43	95	28	31.8	66	47.5	305	321	77	644	948
1-1/4*18	6.9	32	43	95	28	31.8	66	47.5	452	398	77	796	1248
1-1/4*24	6.9	32	43	95	28	31.8	66	47.5	601	474	77	948	1550
1-1/2*12	9.7	38	54	105	35	38	77	57	302	347	76	694	995
1-1/2*18	9.7	38	54	105	35	38	77	57	452	413	76	830	1280
1-1/2*24	9.7	38	54	105	35	38	77	57	600	490	76	980	1580
1-3/4*18	12.7	44.5	60.4	118	41	44.5	89	66.4	464	450	90	900	1364
1-3/4*24	12.7	44.5	60.4	118	41	44.5	89	66.4	597	526	90	1051	1650
2*24	16.7	51	69	136.5	50	50.8	106	76	610	605	120	1210	1820
2-1/2	27.2	63.5	84	165	57	70	140	98.5	620	660	148	1335	1945
2-3/4	34	70	84	165	70	70	145	98.5	620	668	145	1350	1960

Turnbuckle

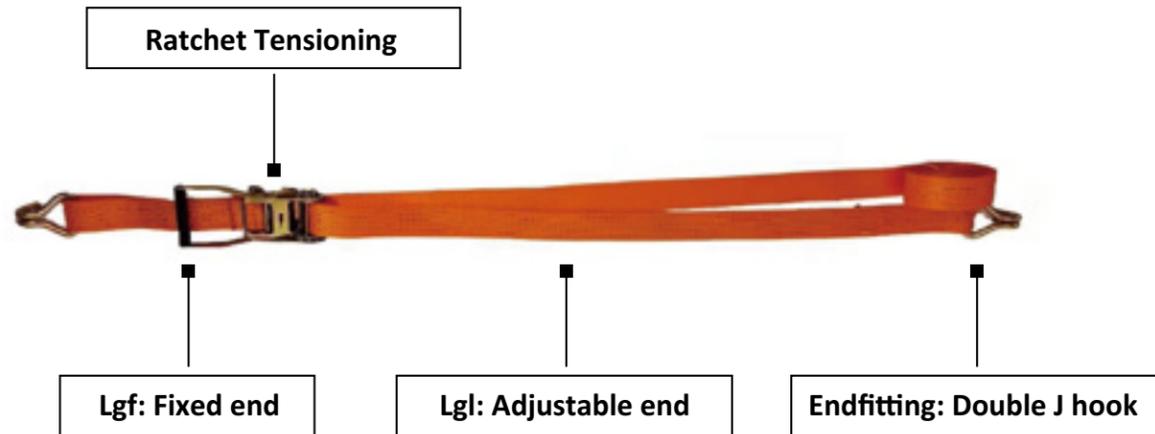
► High Tensile Steel Jaw to Eye Turnbuckle



Inches	WLL(T)	Dimensions(mm)													
		A	B	C	D	E	G	R	S	La	Lb	H	Lmax	Lmin	
1/4*4	0.22	6.3	10.4	23			17	19	8.5	88	99	101	288	187	
5/16*4-1/2	0.36	8	12	25.4	6.5	8	22	24	11	106	115	114	335	221	
3/8*6	0.55	9.7	13	27.4	8	9.5	23	28	13	128	146	152	426	274	
1/2*6	0.99	12.7	16	36	9.5	12.7	28	36.5	18	146	166	152	464	313	
1/2*9	0.99	12.7	16	36	9.5	12.7	28	36.5	18	184	204	228	616	388	
1/2*12	0.99	12.7	16	36	9.5	12.7	28	36.6	18	222	242	305	769	464	
5/8*6	1.59	16	19	44	12.7	16	35	44.5	22.4	163	186	152	501	349	
5/8*9	1.59	16	19	44	12.7	16	35	44.5	22.4	200	224	228	652	424	
5/8*12	1.59	16	19	44	12.7	16	35	44.5	22.4	240	262	305	807	502	
3/4*6	2.36	19	24	49.5	15.7	19	40	53	25.4	178	208	152	538	386	
3/4*9	2.36	19	24	49.5	15.7	19	40	53	25.4	216	246	228	690	462	
3/4*12	2.36	19	24	49.5	15.7	19	40	53	25.4	254	284	305	843	538	
3/4*18	2.36	19	24	49.5	15.7	19	40	53	25.4	330	360	457	1147	690	
7/8*12	3.27	22.3	29	60	19	22.3	45	60	31.5	271	296	303	870	567	
7/8*18	3.27	22.3	29	60	19	22.3	45	60	31.5	348	373	457	1178	721	
1*6	4.5	25.4	31	67	22	25.4	52	76	36.5	212	254	154	620	466	
1*12	4.5	25.4	31	67	22	25.4	52	76	36.5	290	330	302	922	620	
1*18	4.5	25.4	31	67	22	25.4	52	76	36.5	365	406	450	1221	771	
1*24	4.5	25.4	31	67	22	25.4	52	76	36.5	441	483	600	1524	924	
1-1/4*12	6.9	32	43	95	28	32	77	90	46	321	360	305	986	681	
1-1/4*18	6.9	32	43	95	28	32	77	90	46	398	437	452	1287	835	
1-1/4*24	6.9	32	43	95	28	32	77	90	46	474	513	601	1588	987	
1-1/2*12	9.7	38	54	105	35	38	76	103	54	347	387	302	1036	734	
1-1/2*18	9.7	38	54	105	35	38	76	103	54	413	464	452	1329	877	
1-1/2*24	9.7	38	54	105	35	38	76	103	54	490	540	600	1630	1030	
1-3/4*18	12.7	44.5	60.4	118	41	44.5	90	117	60	450	500	464	1414	950	
1-3/4*24	12.7	44.5	60.4	118	41	44.5	90	117	60	526	577	597	1700	1103	
2*24	16.7	51	65	141.5	50	51	120	146	68	605	655	610	1870	1260	
2-1/2*24	27.2	63.5	84	165	57	70	148	171	81	665	724	620	2009	1389	
2-3/4*24	34	70	84	165	70	70	145	171	81	665	724	620	2009	1389	

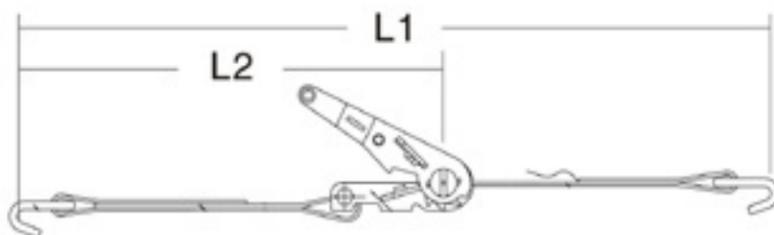
Lashing Belt with Ratchet

▶ Ratchet Belt MBL5t-9m



DRW BY	Allen Yu	Ratchet Belt MBL5t-9m		MSL	2.5ton
CHK BY	Kevin Lee			MBL	5ton
DATE	Jan 30, 2023	TYPE	WLR-3/05	LENGTH	9m
		SHANGHAI HANSE ENGINEERING CO., LIMITED		MATERIAL	100% High-Strength Polyester Yarn

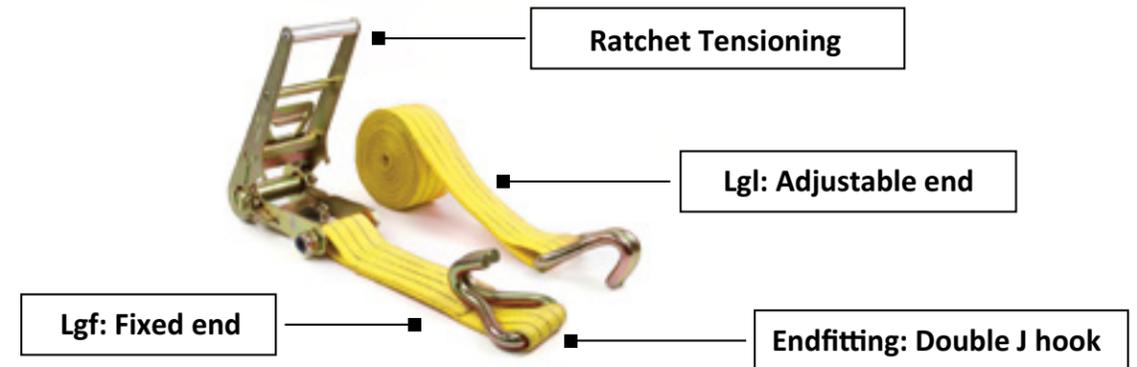
- Material: PES & STEEL
- Safety Factor: 2:1
- Standard: EN12195-2:2000



Web Color: Orange
 LC : 2500kg
 BF : 5000kg
 Width: 50mm

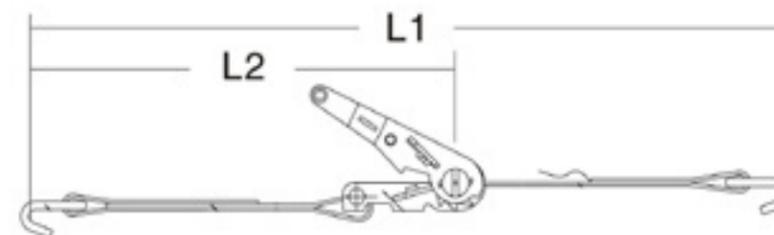
Lashing Belt with Ratchet

▶ Ratchet Belt MBL10t-10m



DRW BY	Allen Yu	Ratchet Belt MBL10t-10m		MSL	5ton
CHK BY	Kevin Lee			MBL	10ton
DATE	Jan 30, 2023	TYPE	WLR-3/10	LENGTH	10m
		SHANGHAI HANSE ENGINEERING CO., LIMITED		MATERIAL	100% High-Strength Polyester Yarn

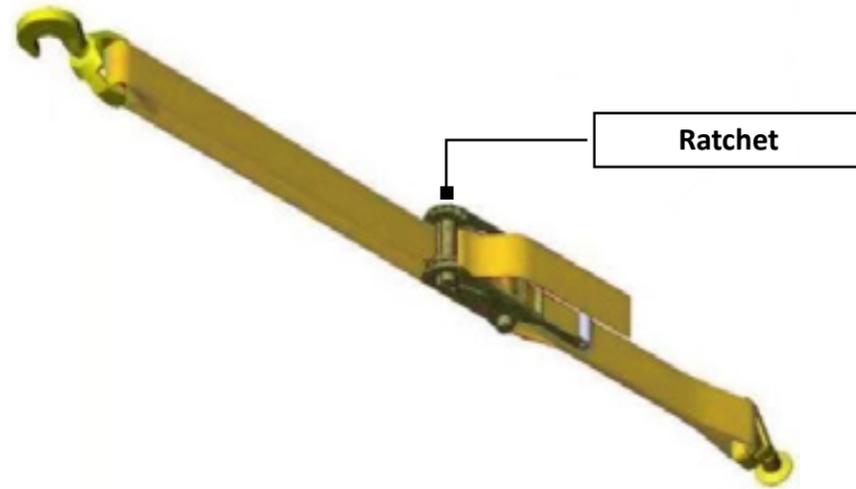
- Material: PES & STEEL
- Safety Factor: 2:1
- Standard: EN12195-2:2000



Web Color: Yellow
 LC : 5000kg
 BF : 10000kg
 Width: 75mm

Lashing Belt with Ratchet

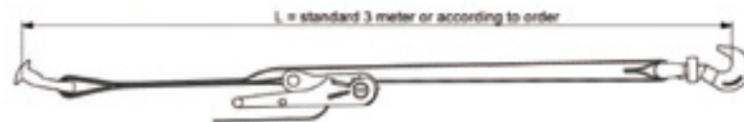
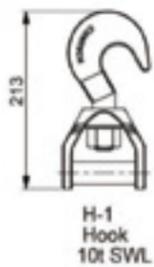
▶ Ratchet Belt MBL20t-10m



DRW BY	Allen Yu	Ratchet Belt MBL20t-10m		MSL	10ton
CHK BY	Kevin Lee			MBL	20ton
DATE	Jan 30, 2023	TYPE	WLR-3/20	LENGTH	10m
Hanse EQUIPMENT		SHANGHAI HANSE ENGINEERING CO., LIMITED		MATERIAL	100% High-Strength Polyester Yarn

- Material: PES & STEEL
- Safety Factor: 2:1
- Standard: EN12195-2:2000

Web Color: Yellow
 LC : 10000kg
 BF : 20000kg
 Width: 75mm



Lashing Wire

▶ Lashing Wire



Construction	Rope Dia (mm)	Nominal Tensile Strength Grade of Rope(Mpa)	
		1770	Minimum Breaking Load of Rope (KN)
6x24MFC-7FC	16		127
	18		161
	20		198
	22		240



Construction	Rope Dia (mm)	Nominal Tensile Strength Grade of Rope(Mpa)	
		1770	Minimum Breaking Load of Rope (KN)
6x19+FC 6x37+FC	10-12		54.4
	12-14		75.1
	14-16		102

Dunnage Wood



Stopper Plate



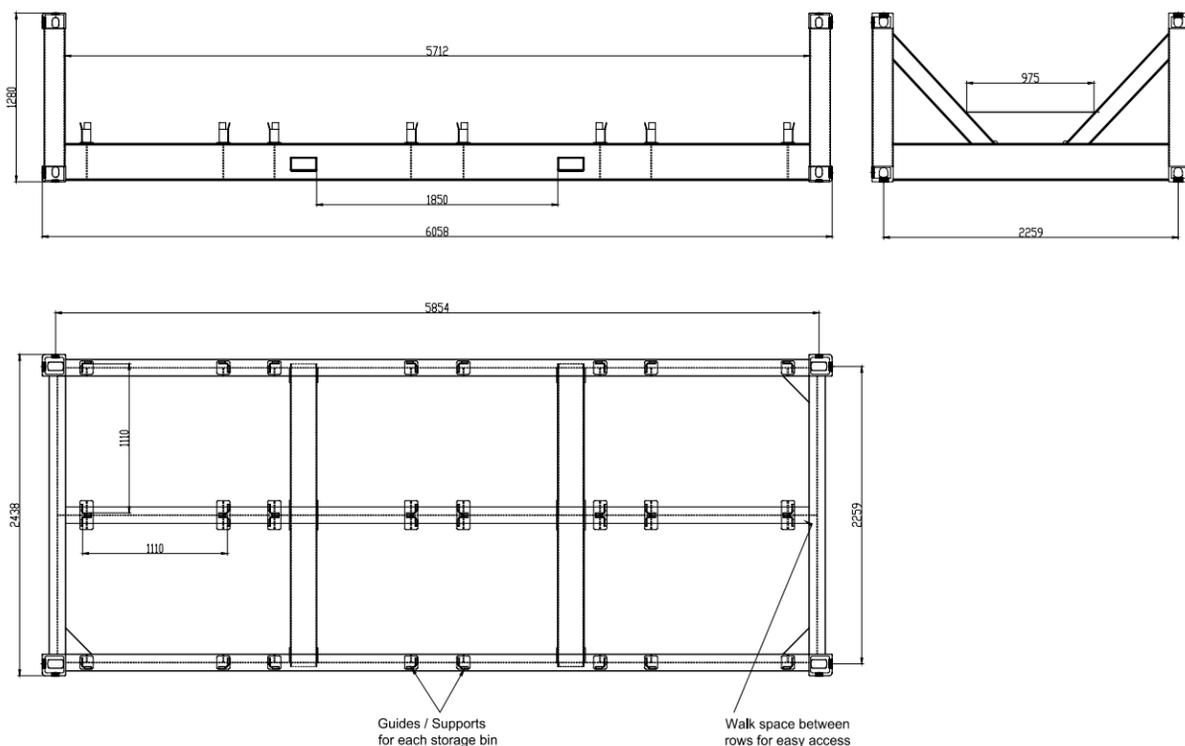


Marine Structural Steel Product

As a welding factory certified by DNV and Lloyd's Register, we also produce various kinds of marine structural steel products. We have had rich experiences in fabricating and delivering high quality product for our clients.

Besides, we are able to produce other kinds of structural steel product if clients have ready drawing.

Flat Rack

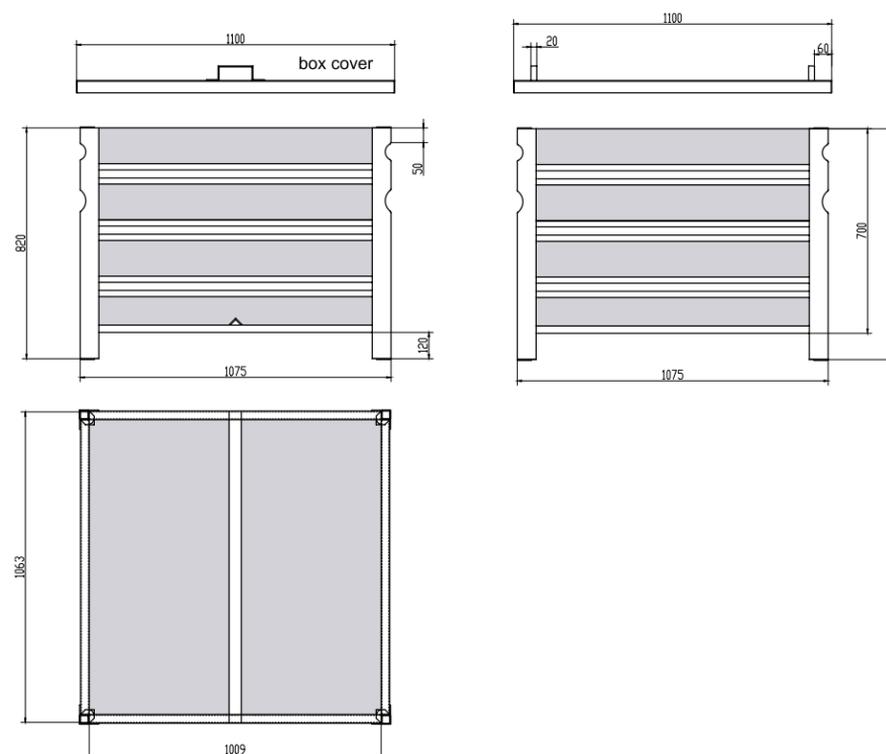


DRW BY	Allen Yu	Flat Rack Container		MAX GROSS WEIGHT	20ton
CHK BY	Kevin Lee			MATERIAL	Mild Steel
DATE	Jan 30, 2023	TYPE	HSFR-23/05	WEIGHT	1450kg
Hanse EQUIPMENT		SHANGHAI HANSE ENGINEERING CO., LIMITED		FINISH	Painted

Storage Bin

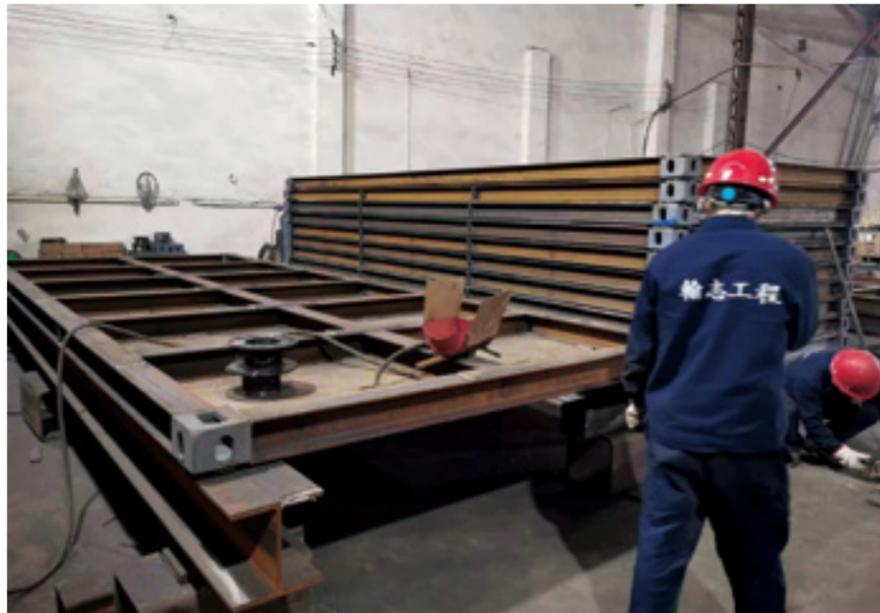


DRW BY	Allen Yu	Storage Bin		CAPACITY	2ton
CHK BY	Kevin Lee	1075x1075x820mm		MATERIAL	Mild Steel
DATE	Jan 30, 2023	TYPE	HEB-23/06	WEIGHT	130kg
Hanse EQUIPMENT		SHANGHAI HANSE ENGINEERING CO., LIMITED		FINISH	Galvanized

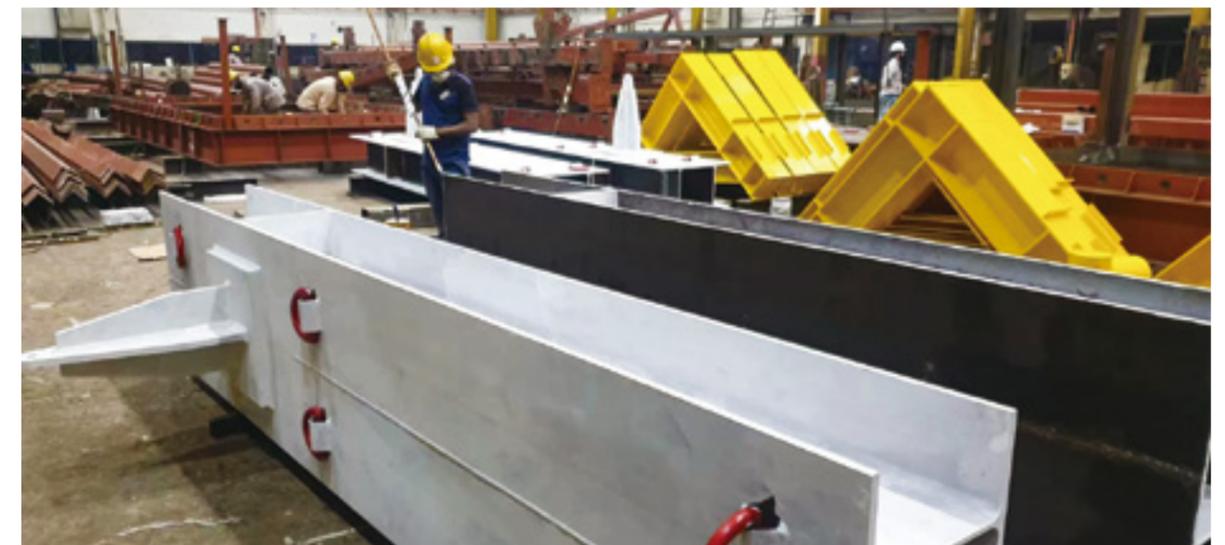


Heavy Load Spreader

Technical Parameter			
Maximum Gross Weight	Size	Maximum Payload	Dead Weight ($\pm 2\%$)
kg	mm	kg	kg
80000	6058x2438x142	77,450	2550
120000	6058x2438x147	117,100	2900
175000	6058x2438x286	170,000	5000



Ship Cradle



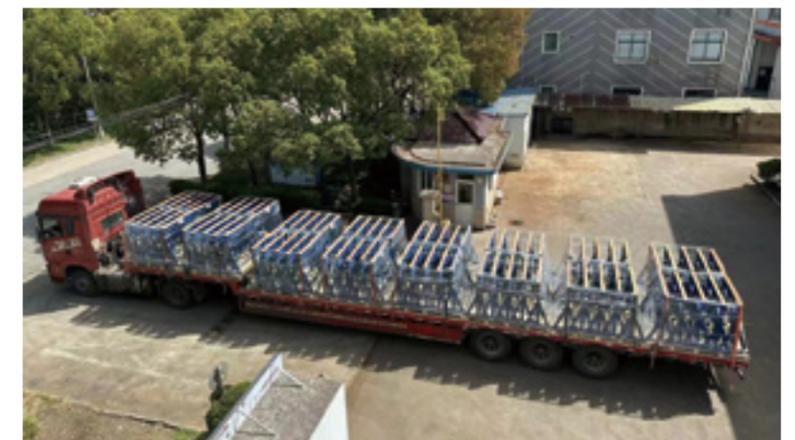
Lifting Basket



- SWL300kg
- Size: 1200x1000x2150mm
- Material: Q235B
- Weight: 260kg

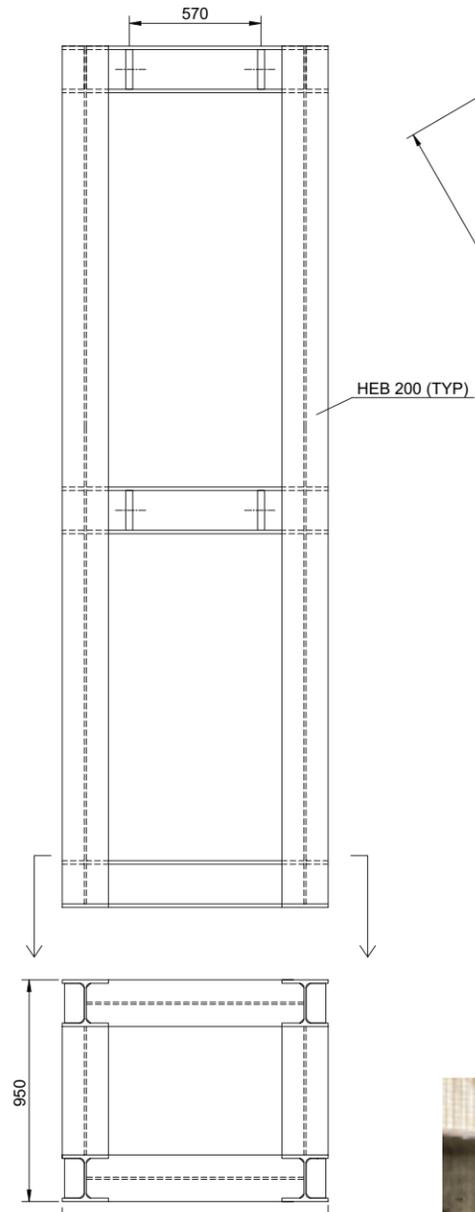
Trailer Horse

- SWL40t
- Material:Q235B
- Dead Weight: 140kg

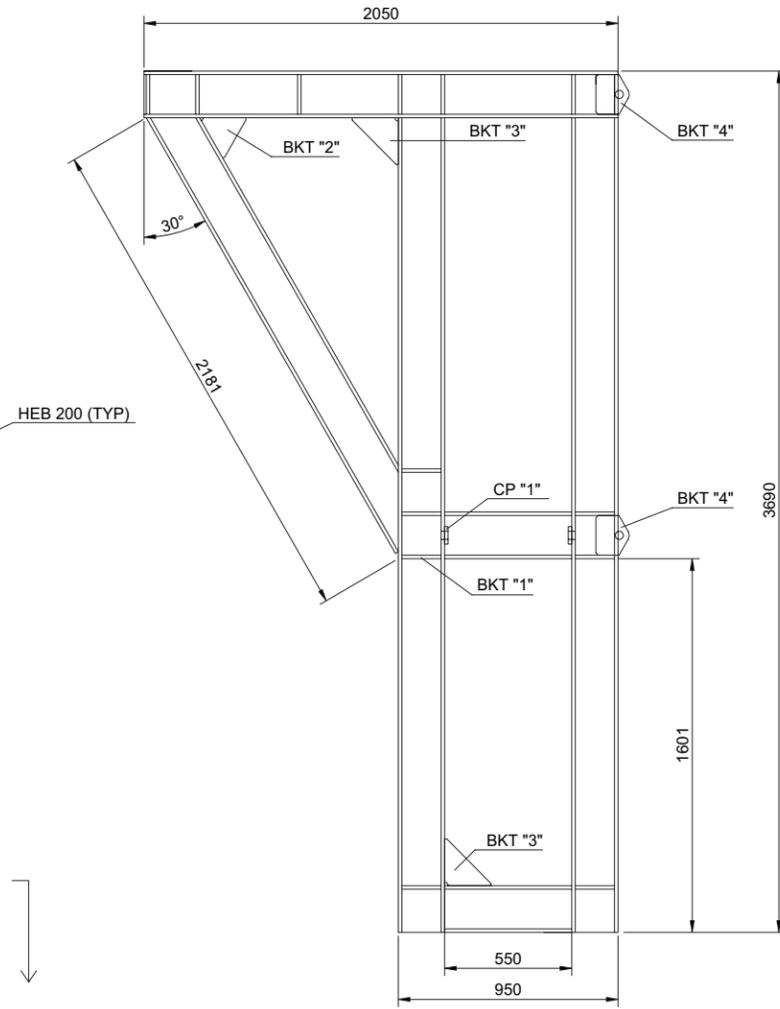


Grillage

LONGITUDINAL VIEW
(SCALE 1:25)

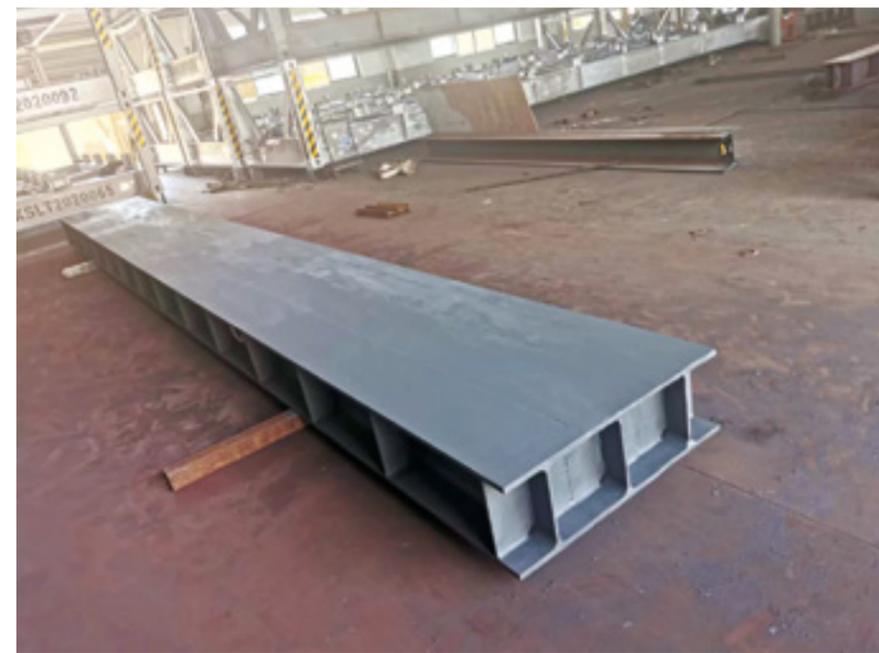


TRANSVERSE VIEW
(SCALE 1:25)



- Material: S235
- Weight: 1950kg

Various H-Beam





UNITED HEAVY LIFT

UHL FAME

Vision

Dedicated to be a globally recognized heavy lift solution brand through continuous hard work, innovation and improvement.

Mission

Ultimately to provide the most secure, effective and comprehensive solution for global clients.

Value

Responsibility, teamwork, customer first.

Shanghai Hanse Engineering Co., Limited

Address: No. 705, Huaye Road, Shanghai, China.

Mail: info@hanseengineering.net

Phone: +86 159 2154 6676

Hanse Equipment GmbH

Mail: sales@hanse.equipment

Phone: +49 4141 789 7100

Web: www.hanse.equipment