

C.O.N.T.E.N.T.S

ANCHORS & ANCHOR CHAINS

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ANCHORS



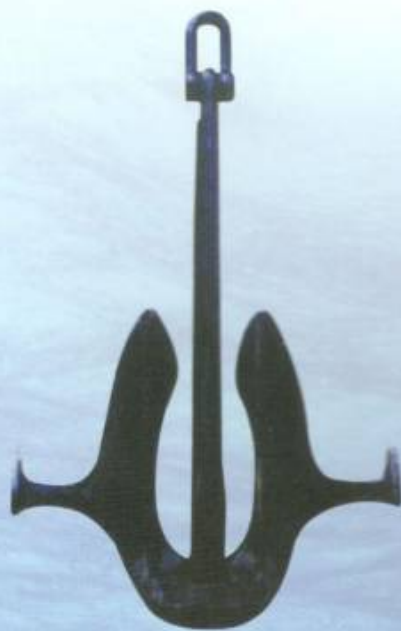
JIS STOCKLESS
ANCHOR



TYPE-A STOCKLESS
ANCHOR



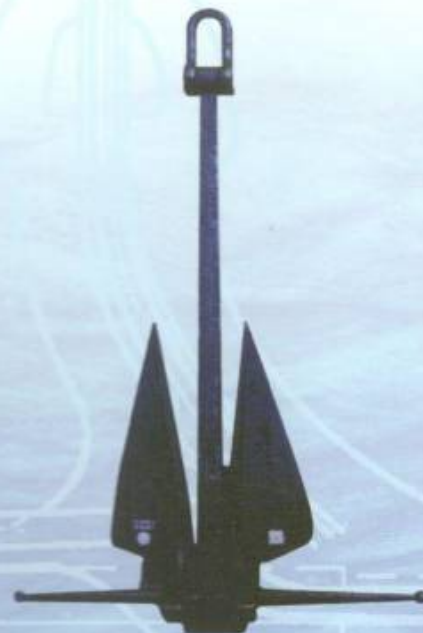
TYPE-B STOCKLESS
ANCHOR



HIGH HOLDING POWER
MATROSOV ANCHOR



(AC-14) HHP STOCKLESS
ANCHOR



DANFORTH HIGH HOLDING
POWER STOCKLESS ANCHOR

ANCHORS



U.S.N STOCKLESS
ANCHOR



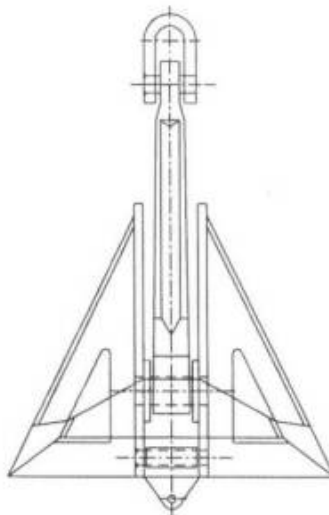
SPEK STOCKLESS
ANCHOR



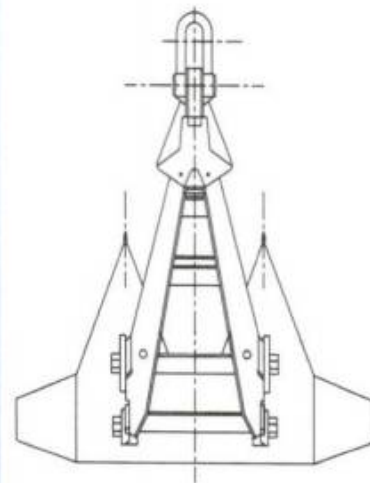
WELDING TYPE HIGH HOLDING
POWER STOCKLESS ANCHOR



ADMIRALTY STOCK
ANCHOR

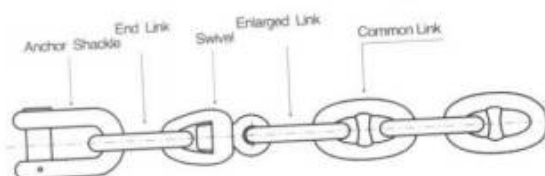
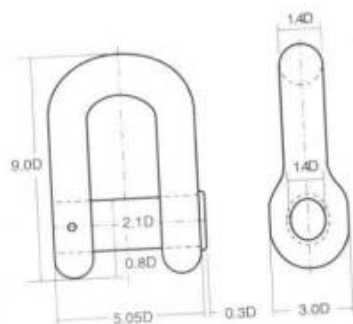
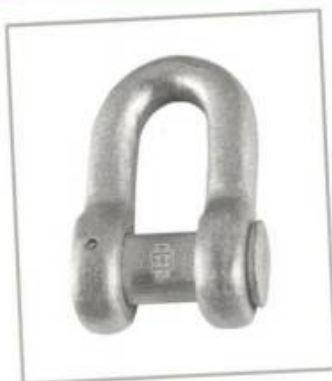


FLIPPER DELTA TYPE
ANCHOR

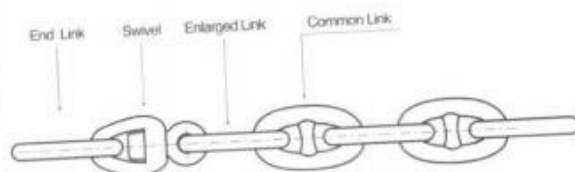
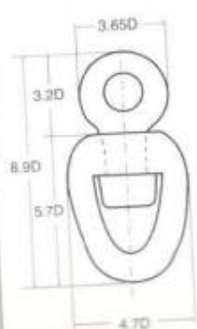


STEVPRIS TYPE
ANCHOR

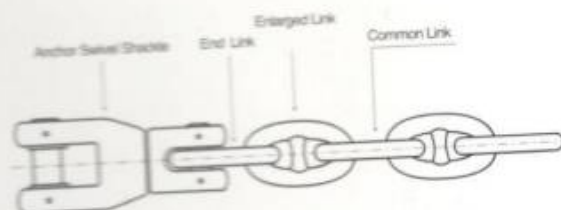
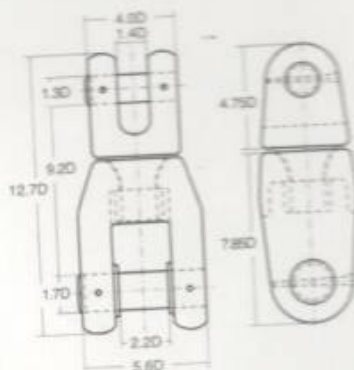
ANCHOR SHACKLE



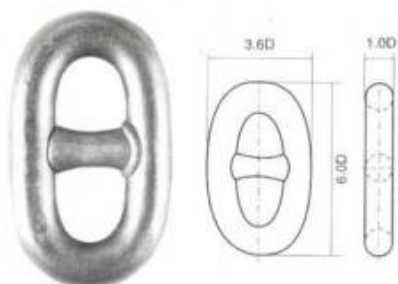
SWIVEL



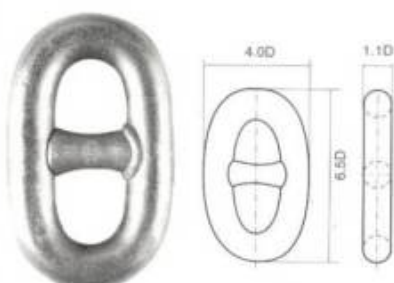
ANCHOR SWIVEL SHACKLE



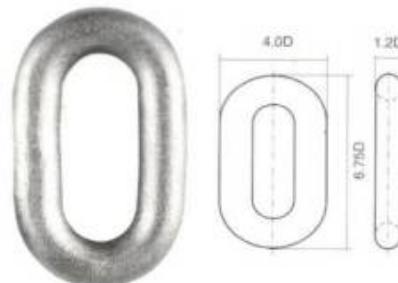
COMMON LINK



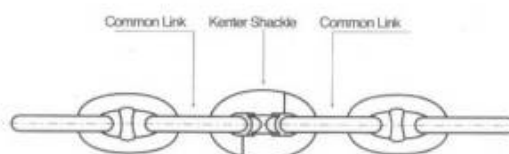
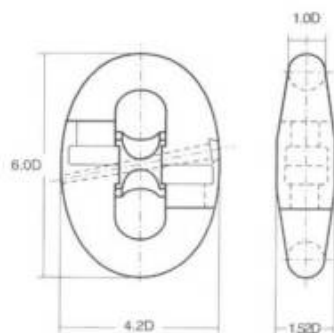
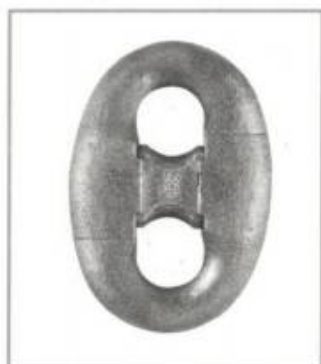
ENLARGED LINK



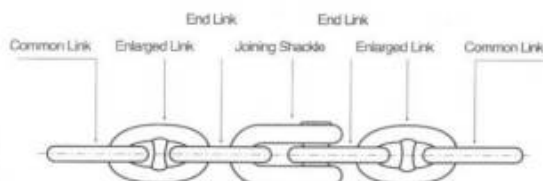
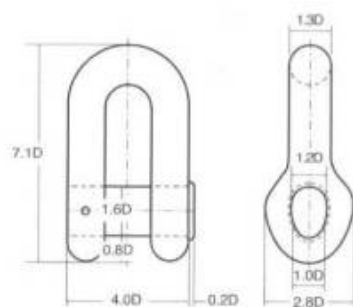
END LINK



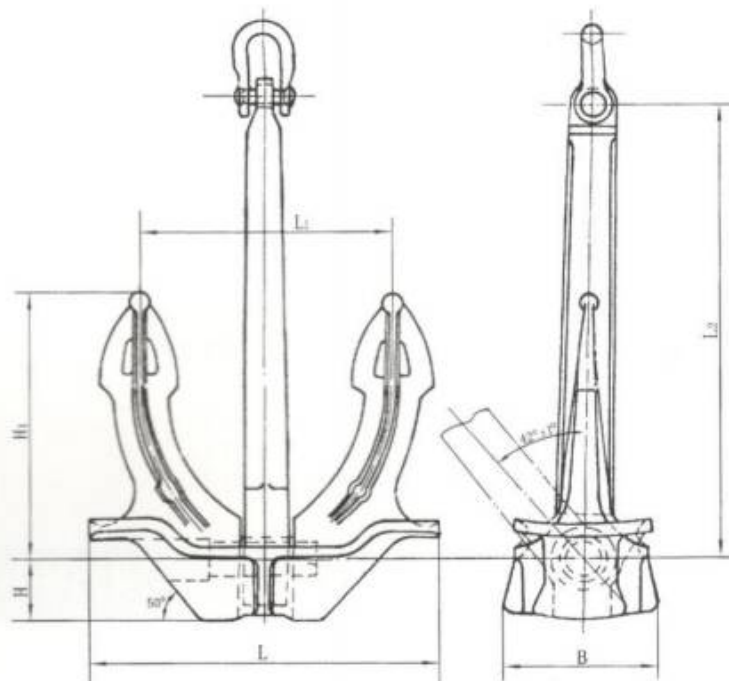
KENTER SHACKLE



JOINING SHACKLE



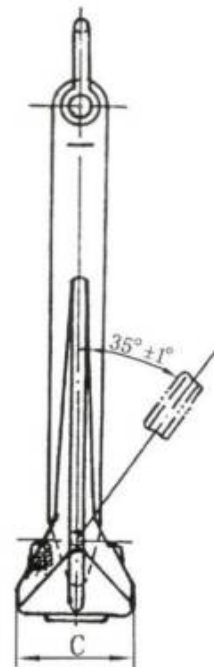
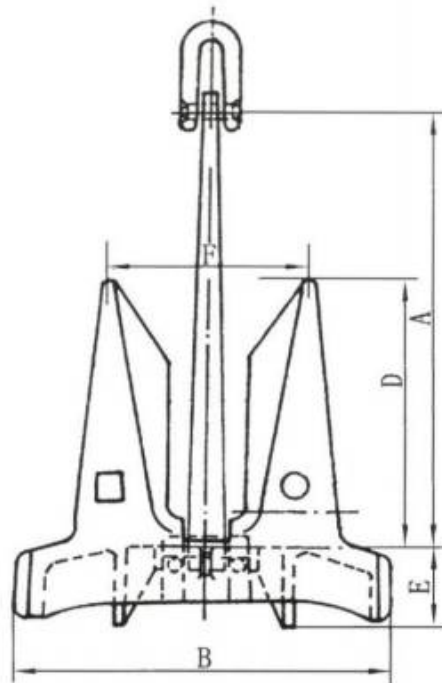
JIS STOCKLESS ANCHOR



NOMINAL WEIGHT (kg)	Dimensions (mm)					
	L	L1	L2	H	H1	B
100	540	378	750	91	395	230
125	580	405	810	97	425	248
150	612	432	855	104	452	264
180	650	459	910	111	480	280
240	720	510	1010	122	530	310
280	760	534	1060	130	560	325
300	770	540	1080	131	570	331
320	790	560	1100	132	580	338
360	820	580	1150	139	610	353
420	860	610	1200	146	640	370
480	900	640	1260	153	670	387
520	920	652	1295	158	680	400
570	950	670	1330	162	700	408
660	1000	710	1440	170	740	430
780	1060	750	1480	180	780	456
850	1090	770	1530	185	800	468
900	1110	780	1550	189	820	477
1020	1160	820	1620	197	860	500
1140	1200	850	1680	204	890	520
1290	1250	880	1750	212	920	540
1440	1300	920	1820	221	920	560
1590	1340	950	1880	228	990	580
1740	1380	980	1930	235	1020	600
1920	1430	1010	2000	243	1060	620
2100	1470	1040	2060	250	1090	640
2280	1510	1070	2110	257	1120	650
2460	1550	1100	2170	264	1150	670

NOMINAL WEIGHT (kg)	Dimensions (mm)					
	L	L1	L2	H	H1	B
2640	1590	1120	2230	270	1180	690
2850	1630	1150	2280	277	1210	700
3060	1670	1180	2340	284	1240	720
3300	1710	1210	2390	291	1270	740
3540	1750	1240	2450	298	1290	750
3780	1790	1260	2510	304	1320	770
4050	1830	1290	2560	311	1350	790
4320	1870	1320	2620	318	1380	800
4590	1910	1350	2670	325	1410	820
4890	1950	1380	2730	332	1440	840
5250	2000	1410	2800	340	1480	860
5610	2040	1440	2860	347	1510	880
6000	2090	1480	2930	355	1540	900
6450	2140	1510	3000	364	1580	920
6900	2190	1550	3070	372	1620	940
7350	2240	1580	3140	380	1650	960
7800	2280	1610	3190	388	1680	980
8300	2330	1650	3260	396	1720	1000
8700	2370	1670	3320	403	1750	1020
9300	2420	1710	3390	411	1790	1040
9900	2470	1740	3460	420	1820	1060
10500	2520	1780	3530	428	1860	1080
11100	2570	1820	3600	437	1900	1100
11700	2610	1840	3650	444	1930	1120
12300	2650	1870	3710	450	1960	1140
12900	2690	1900	3770	457	1990	1160
13500	2740	1940	3840	466	2020	1180

HHP STOCKLESS ANCHOR



NOMINAL WEIGHT (kg)	Dimensions (mm)					
	A	B	C	D	E	F
56	612	555	170	376	113	298
100	745	675	200	458	135	364
135	745	675	205	458	135	364
180	909	822	252	558	166	442
225	1010	915	277	623	185	495
250	1010	915	280	623	185	495
270	1040	940	288	638	190	508
300	1075	975	298	660	200	525
315	1075	975	300	660	200	525
340	1120	1015	310	690	205	548
360	1120	1015	313	690	205	548
428	1213	1098	336	745	222	590
495	1255	1135	348	770	230	610
590	1350	1220	375	829	246	658
675	1412	1278	390	868	257	690
765	1470	1335	408	906	269	718
910	1560	1410	430	957	284	760
970	1592	1445	440	978	292	775
1080	1650	1495	453	1014	302	805
1200	1710	1545	470	1050	315	835
1305	1760	1595	485	1082	323	858
1361	1782	1615	495	1096	326	870
1440	1818	1645	505	1118	332	885
1575	1875	1695	528	1152	343	915
1710	1925	1745	532	1184	352	940
1845	1975	1785	546	1215	362	965
1980	2020	1830	560	1242	370	985

NOMINAL WEIGHT (kg)	Dimensions (mm)					
	A	B	C	D	E	F
2100	2065	1865	570	1268	377	1005
2295	2130	1920	588	1310	385	1035
2475	2175	1970	602	1340	395	1062
2655	2225	2018	615	1368	408	1085
2794	2265	2055	625	1393	415	1105
3040	2320	2100	640	1424	426	1130
3550	2455	2225	680	1508	450	1198
3670	2480	2248	688	1525	455	1210
3940	2540	2300	705	1562	465	1240
4500	2566	2405	735	1632	485	1295
4840	2720	2465	755	1670	500	1330
5175	2785	2520	770	1710	510	1358
5610	2858	2590	790	1758	523	1396
6000	2922	2645	810	1796	534	1426
6450	2995	2712	830	1840	548	1462
6900	3062	2775	848	1884	560	1496
7350	3126	2832	866	1923	572	1526
7800	3190	2890	884	1962	584	1558
8300	3256	2950	902	2002	596	1590
8700	3308	2996	916	2034	605	1614
9300	3382	3064	936	2080	619	1652
9675	3425	3104	948	2108	627	1674
9900	3452	3128	956	2124	632	1686
10500	3523	3192	976	2156	645	1720
11100	3589	3252	994	2207	657	1752
11700	3650	3308	1010	2245	668	1782
12300	3712	3364	1028	2283	680	1812



ANCHORS & ANCHOR CHAINS

TESTING LOAD OF STUD LINK ANCHOR CHAIN AND ACCESSORIES

Diameter	Proof Load		Breaking Load	
	Grade 2	Grade3	Grade 2	grade 3
mm	kN	kN	kN	kN
12.5	65.7		92.2	
14	82.4		116	
16	107		150	
17.5	127		179	
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	2490
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

Stud Link Chain Cables for Bower Anchor				Stainless Anchor
Total Length (m)	Diameter(mm)			Weight per Anchor (kg)
	Grade 1	Grade 2	Grade 3	
220	16	14	-	240
247.5	17.5	16	-	300
247.5	19	17.5	-	360
275	20.5	17.5	-	420
275	22	19	-	480
302.5	24	20.5	-	570
302.5	26	22	20.5	660
330	28	24	22	780
357.5	30	26	24	900
357.5	32	28	24	1020
385	34	30	26	1140
385	36	32	28	1290
412.5	38	34	30	1440
412.5	40	34	30	1590
440	42	36	32	1740
440	44	38	34	1920
440	46	40	36	2100
467.5	48	42	36	2280
467.5	50	44	38	2460
467.5	52	46	40	2640
495	54	48	42	2850
495	56	50	44	3060
495	58	50	46	3300
522.5	60	52	46	3540
522.5	62	54	48	3780
522.5	64	56	50	4050
550	66	58	50	4320
550	68	60	52	4590
550	70	62	54	4890
577.5	73	64	56	5250
577.5	76	66	58	5610
577.5	78	68	60	6000
605	81	70	62	6450
605	84	73	64	6900
605	87	76	66	7350
632.5	90	78	68	7800
632.5	92	81	70	8300
632.5	95	84	73	8700
660	97	84	76	9300
660	100	87	78	9900
660	102	90	78	10500
687.5	105	92	81	11100
687.5	107	95	84	11700
687.5	111	97	87	12300
715	114	100	87	12900



APPROXIMATE WEIGHT OF ANCHOR CHAIN & FITTINGS

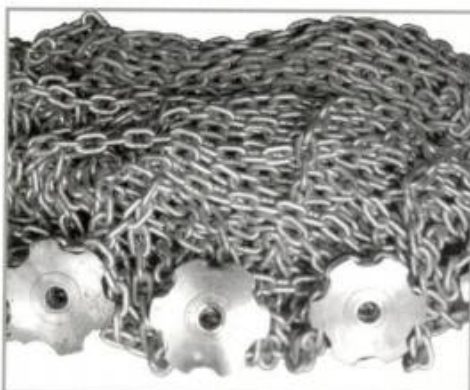
Chain Diameter (mm)	Stud Link Chain		Common Link (kg)	Enlarged Link (kg)	End Link (kg)	Kenter Shackle (kg)	Joining Shackle (kg)	Anchor Shackle (kg)	Swivel (kg)	Anchor Swivel Shackle(kg)
	kg / m	kg / 27.5m								
22	11	291	0.93	1/25	1.28	2	2.8	5	3.5	13.9
24	13	347	1.21	1.7	1.77	2.4	3.6	6.5	5	18.1
26	15	407	1.54	2.15	2.2	2.8	4.4	8	6	20.9
28	17	472	1.93	2.8	2.9	3.6	5.6	10	7.5	30.6
30	20	542	2.4	3.2	3.5	4.2	7	14	9	35.4
32	22	617	2.9	3.8	4.5	5.3	8	15.5	11	40.9
34	25	696	3.4	4.7	5	6.5	10	17	13.5	49.2
36	28	781	4.1	5.5	5.9	7.8	12	20	16	63.7
38	32	870	4.8	6.1	6.8	9	14	23	19	71.9
40	35	964	5.6	7.1	8	10.5	15	26	23	80.7
42	39	1,062	6.4	8.4	9.6	12	17	30	27	93.6
44	42	1,166	7.4	10	11.2	13	20	35	32	115
46	46	1,274	8.4	11.5	13	15	23	40	37	128
48	50	1,388	9.7	13.1	15	17	25	45	44	140
50	55	1,506	10.8	15	17	19	30	55	50	174
52	59	1,628	12.2	17	20	21	35	60	57	190
54	64	1,756	13.8	19	22	25	40	65	64	206
56	69	1,889	15.4	21	23	27	45	70	72	224
58	74	2,026	17.0	23	25	30	50	80	80	262
60	79	2,168	18.9	25	27	32	53	90	90	290
62	84	2,315	20.9	28	30	35	60	100	99	312
64	90	2,467	23.1	31	34	39	65	115	110	360
66	95	2,623	25.5	34	38	46	70	130	120	385
68	101	2,785	27.6	37	42	53	80	140	130	412
70	107	2,951	29.8	40	45	60	87	150	152	440
73	117	3,209	34.5	45	52	65	95	165	172	510
76	126	3,479	38.2	50	59	72	110	185	194	575
78	133	3,664	41.5	55	63	77	120	200	194	610
81	144	3,951	46.5	61	70	83	132	220	220	696
84	155	4,249	51.2	68	78	94	147	235	242	776
87	166	4,558	57.7	75	86	105	162	250	270	878
90	177	4,875	63.4	82	95	112	175	265	300	971
92	185	5,097	68.0	88	100	120	187	278	325	1,020
95	198	5,435	74.5	98	112	130	210	300	345	1,123
97	206	5,667	79.8	102	120	140	225	328	360	1,196
100	219	6,023	87.3	112	130	150	240	360	385	1,310
102	228	6,266	93.5	124	140	160	260	400	424	1,370
105	241	6,640	102.2	133	152	177	288	428	460	1,516
107	251	6,895	106.1	142	165	185	313	452	510	1,650
111	270	7,420	117.8	154	180	208	340	492	550	1,792
114	285	7,827	128.3	175	200	230	374	542	600	1,966
117	300	8,244	139.7	185	215	250	402	585	650	2,125
120	315	8,672	152.1	198	226	268	430	630	705	2,292

HATCH COVER CHAINS

HATCH COVER CHAINS

10

HATCH COVER CHAINS



Chain Size (mm)	Proof Force (kN)	Link Dimensions (mm)		Mass Per Metre (kg)
		Pitch	Inside Width	
11	102	43	12.5	2.5
14	150	50	17	4
14	200	50	17	4
16	220	55	18.5	5
18	260	64	21	6.6
18	330	64	21	6.6
19	290	64.5	22	7.5
19	360	64.5	22	7.5
22	490	86	26	9.5

SPROCKET WHEELS



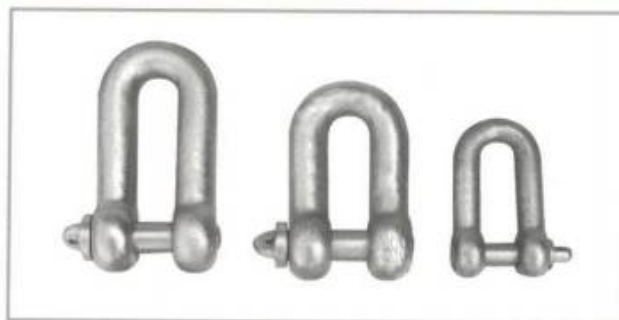
QUICK ACTING CLEATS



LINK PLATES



LONG SHACKLES



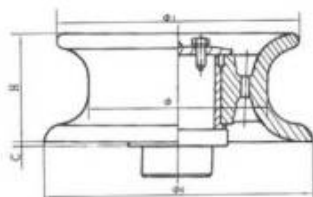
CROSS JOINT CLEATS



CHAIN COUPLINGS



KOREA-TYPE FAIRLEAD ROLLER

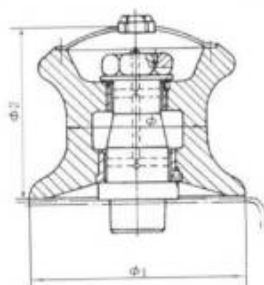


TYPE A

(mm / kg)

NOMINAL DIA	Φ	Φ1	Φ2	H	NOMINAL DIA	Φ	Φ1	Φ2	H
150	150	216	240	137	350	350	460	500	217
200	200	280	310	157	400	400	520	560	237
250	250	350	380	177	450	450	590	630	257
300	300	400	440	197	500	500	660	700	277

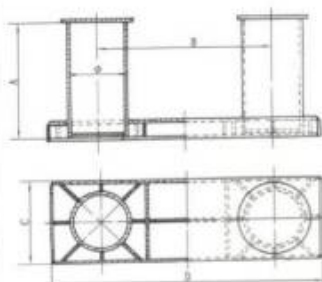
JIS F2014 FAIRLEAD ROLLER



(mm / kg)

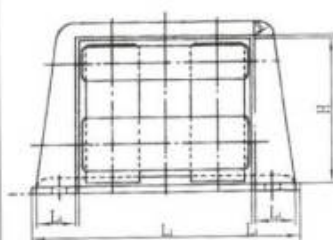
NOMINAL DIA	Φ	Φ1	Φ2	WEIGHT	NOMINAL DIA	Φ	Φ1	Φ2	WEIGHT
150	150	240	195	32.1	300	300	440	305	159
200	200	310	235	64.6	350	350	500	330	235
250	250	380	282	108	400	400	560	355	336

JIS F 2001 BOLLARD



NOMINAL DIA (mm)	Dimensions (mm)				WEIGHT (kg)
	A	B	C	D	
100	196	250	165	445	18.9
125	246	315	195	540	29.4
160	316	400	225	670	44.7
200	378	500	290	860	79.5
250	470	630	360	1065	139
315	597	800	430	1300	261
355	663	890	480	1475	361
400	749	1000	550	1630	502
450	841	1130	620	1840	685
500	928	1250	690	2040	911

JIS F 2026 FAIRLEADS WITH HORIZONTAL ROLLER

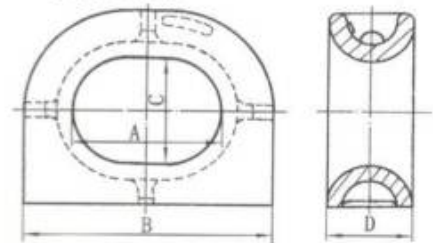


NOMINAL DIA (mm)	Dimensions (mm)					
	H	h	L	L1	L2	L3
140	480	275	515	805	335	120
160	515	290	570	890	365	135
180	560	315	620	960	390	145
200	590	330	675	1049	420	160
250	715	415	825	1303	520	210
315	870	520	980	1562	620	260

CLOSED CHOCK JIS F-2005

Nominal Size	Dimensions (mm)				Weight (kg)
	A	B	C	D	
100	100	170	76	60	3.7
150	150	250	110	90	10.5
200	200	340	150	120	24
250	250	434	200	160	48
300	300	528	250	200	82
350	350	600	250	220	103
400	400	672	250	240	136
450	450	746	250	260	184
500	500	820	250	280	232

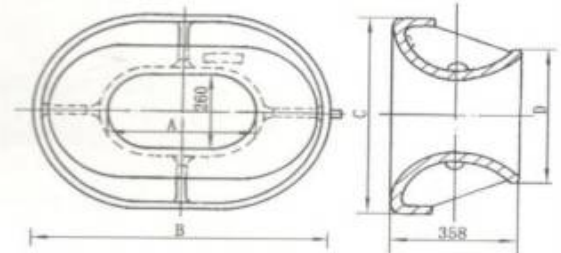
• CAST STEEL



PANAMA CHOCK JIS F-2017

Nominal Size	Dimensions (mm)				Weight (kg)
	A	B	C	D	
310	310	734	684	462	276
360	360	788	688	464	305
400	400	832	692	470	344
450	450	886	696	474	385
500	500	940	700	478	422

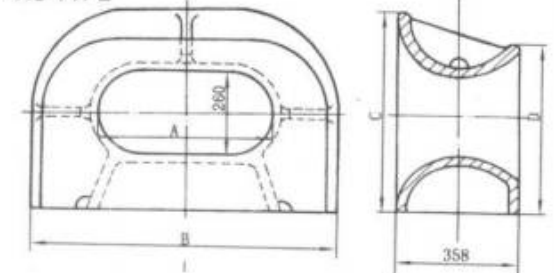
• BC-TYPE



PANAMA CHOCK JIS F-2017

Nominal Size	Dimensions (mm)				Weight (kg)
	A	B	C	D	
310	310	708	639	541	253
360	360	760	640	542	289
400	400	804	642	545	323
450	450	856	643	547	351
500	500	908	644	549	395

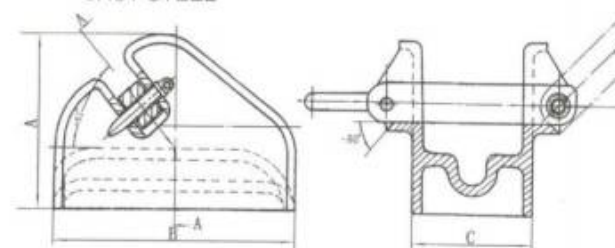
• AC-TYPE



CHAIN STOPPER JIS F-2023

Nominal Size	CABLE Size	Dimensions (mm)			Weight (kg)
		A	B	C	
19	17-19	190	270	135	17
22	20-22	216	310	153	24
25	23-25	241	345	175	32
28	26-28	270	385	193	44
32	30-32	305	435	220	67
36	34-36	342	490	246	91

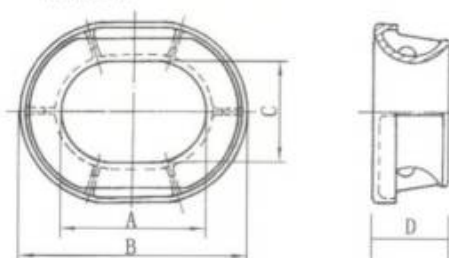
• CAST STEEL



MOORING PIPE JIS F-2007

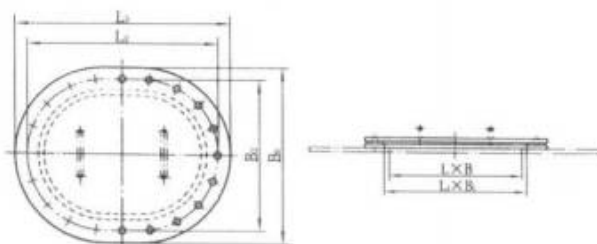
Nominal Size	Dimensions (mm)				WEIGHT (kg)
	A	B	C	D	
150	150	300	110	129	15
200	200	368	150	143	21
250	250	430	200	155	27
300	300	500	250	169	43
350	350	560	250	179	51
400	400	632	250	195	77
450	450	700	250	209	102
500	500	780	250	219	115

• A-TYPE



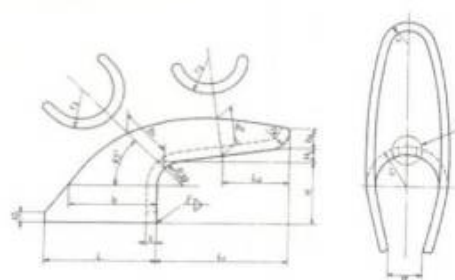
MANHOLE (TYPE B) JIS F-2304

Nominal Size	Base plate(mm)		Cover(mm)				Weight (kg)
	L1	B1	L2	B2	L3	B3	
4535	480	380	550	450	620	520	42.8
5040	530	430	600	500	670	570	49.1
6040	630	430	700	500	770	570	56.6
6045	630	480	700	550	770	620	59.6



GUY CLEAT JIS F-3416

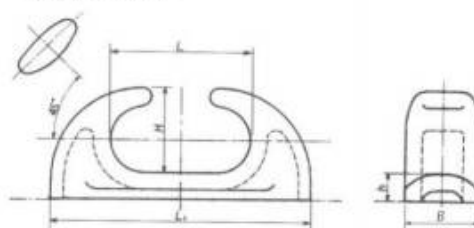
Nominal Size	Wire Size	Dimensions (mm)											Weight (kg)
		B	b	b3	H	H1	L	L1	r	r1	S	t	
20	20 or less	30	95	20	70	20	120	140	30	45	400	10	5.8
25	22.4~25	40	125	25	90	30	165	170	45	67	600	12	12.2



OPEN CHOCK JIS F-2006

Nominal Size	Dimensions (mm)				Weight (kg)
	L	L1	B	H	
150	150	280	80	90	10.7
200	200	380	110	116	18.1
250	250	460	130	136	29.2
300	300	540	150	160	44.0
350	350	620	170	180	64.0
400	400	700	200	200	98.0

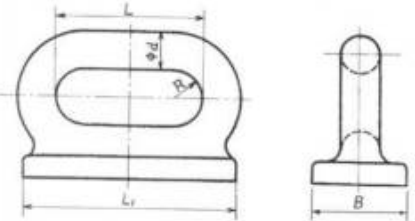
• CAST STEEL



EYE PLATE JIS F-3410

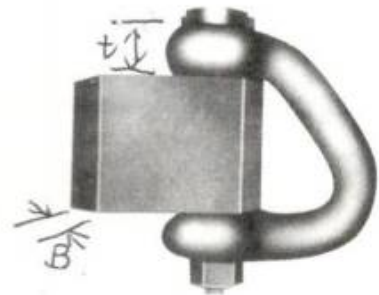
Nominal Size(ton)	Dimensions (mm)				Weight (kg)
	d	L	L1	B	
3	28	85	130	60	2.44
5	34	100	150	70	3.88
7.5	42	115	180	100	7.50
10	50	135	210	120	11.7
15	60	160	250	140	20.0

• CAST STEEL



TOPPING BRACKETS JIS F-2202

S.W.L (ton)	Dimensions (mm)		Weight (kg)
	t	B	
3.8	30	58	12
5.8	36	72	19
8.6	44	86	30
12.8	52	105	48
23.4	65	130	101
34.7	75	155	175
45.0	85	175	228



Applicable block to derrick topping bracket

Nominal Size (ton)	S.W.L (ton)	Applicable block				Nominal load of derrick boom if
3.8	3.8	-	-	1B220 (SB26) SWL = (4.40 Ton)	1A240(SB26) SWL = (1.75 Ton)	1
5.8	5.8	-	-	-	1A280(SB34) SWL = (2.25 Ton)	2
8.6	8.6	-	-	-	1B340(SB42) SWL = (3.5 Ton)	3 or 5
12.8	12.8	-	1A430 (SB42) SWL = (5.5 Ton)	2A340 (SB46) SWL = (13 Ton)	1B340(SB42) SWL = (3.5 Ton)	5 or 10
23.4	23.4	T1A460 (SB60) SWL = (11 Ton)	2A430 (SB60) SWL = (21 Ton)	2B430 (SB65) SWL = (25 Ton)	-	10 or 15
34.7	34.7	T1B460 (SB75) SWL = (11 Ton)	2B430 (SB65) SWL = (25 Ton)	-	-	15
45	45.0	T2A460 (SB85) SWL = (42 Ton)	-	-	-	15

GOOSENECK BRACKETS JIS F-2203

Nominal Size(ton)	Class	S.W.L (ton)	Weight (kg)	Applicable block
1	-	3.5	19	1A220
2	-	6.5	38	1A280
3	-	10.0	70	1A340 / 1RA340 / 1AR340
5	-	16.0	100	1A340 / 1RA340 / 1AR340
10	A	24.5	189	1A340 / 1RA340 / 1AR340
		24.5	319	1A430 / 1RA430 / 1AR430
15	-	34	319	1A430 / 1RA430 / 1AR430



SINGLE SHEAVE



Type \ kind	Dia. of Rope (mm)	S.W.L (ton)	Proof Load (ton)	Shackle
IS-340-1AR	20	3.5	14	SB34 or BB34
IS-340-1BR			21	SB42 or BB42
IS-410-1AR	24	5	20	SB40 or BB40
IS-410-1BR			30	SB50 or BB50
IS-430-1AR	25	5.5	22	SB42 or BB42
IS-430-1BR			33	SB55 or BB55
IS-460-1AR	26	6.5	26	SB46 or BB46
IS-460-1BR			39	SB60 or BB60
IS-480-1AR	28	7	28	SB48 or BB48
IS-480-1BR			42	SB60 or BB60

DOUBLE SHEAVE



Type \ kind	Dia. of Rope (mm)	S.W.L (ton)	Proof Load (ton)	Shackle
IS-340-2AR	20	13	26	SB46 or BB46
IS-340-2BR		16	32	SB55 or BB55
IS-410-2AR	24	19	38	SB55 or BB55
IS-410-2BR		23	43	SB60 or BB60
IS-430-2AR	25	21	41	SB60 or BB60
IS-430-2BR		25	45	SB65 or BB65
IS-460-2AR	26	24	44	SB65 or BB65
IS-460-2BR		29	49	SB70 or BB70
IS-480-2AR	28	28	48	SB70 or BB70
IS-480-2BR		34	54	SB75 or BB75

TRIPLE SHEAVE



Type \ kind	Dia. of Rope (mm)	S.W.L (ton)	Proof Load (ton)	Shackle
IS-410-3AR	24	29	49	SB70 or BB70
IS-410-3BR		33	53	SB75 or BB75
IS-430-3AR	25	32	52	SB75 or BB75
IS-430-3BR		36	56	SB80 or BB80
IS-460-3AR	26	34	54	SB75 or BB75
IS-460-3BR		38	58	SB80 or BB80
IS-480-3AR	28	39	59	SB80 or BB80
IS-480-3BR		45	67.5	SB85 or BB85



SINGLE SHEAVE



Type \ kind	Dia.of Rope (mm)	S.W.L (ton)	Proof Load (ton)	Shackle
IS-220-1A	12.5	1.4	5.6	SB22 or BB22
IS-220-1B			8.4	SB26 or BB26
IS-240-1A	14	1.75	7	SB26 or BB26
IS-240-1B			10.5	SB30 or BB30
IS-280-1A	16	2.25	9	SB30 or BB30
IS-280-1B			13.5	SB34 or BB34
IS-340-1A	20	3.5	14	SB34 or BB34
IS-340-1B			21	SB42 or BB42
IS-410-1A	24	5	20	SB40 or BB40
IS-410-1B			30	SB50 or BB50
IS-430-1A	25	5.5	22	SB42 or BB42
IS-430-1B			33	SB55 or BB55
IS-460-1A	26	6.5	26	SB48 or BB48
IS-460-1B			39	SB60 or BB60
IS-460-T-1A	33.5	11	44	SB60
IS-460-T-1B			66	SB75
IS-480-1A	28	7	28	SB48 or BB48
IS-480-1B			42	SB60 or BB60

DOUBLE SHEAVE



Type \ kind	Dia.of Rope (mm)	S.W.L (ton)	Proof Load (ton)	Shackle
IS-240-2A	14	6.5	13	SB34 or BB34
IS-240-2B		8	16	SB38 or BB38
IS-280-2A	16	8.5	17	SB38 or BB38
IS-280-2B		10	20	SB40 or BB40
IS-340-2A	20	13	26	SB46 or BB46
IS-340-2B		16	32	SB55 or BB55
IS-410-2A	24	19	38	SB60 or BB60
IS-410-2B		23	43	SB65 or BB65
IS-430-2A	25	21	41	SB60 or BB60
IS-430-2B		25	45	SB65 or BB65
IS-460-2A	26	24	44	SB70 or BB70
IS-460-2B		29	49	SB75 or BB75
IS-460-T-1A	33.5	42	63	SB85
IS-460-T-2B		50	75	SB90
IS-480-2A	28	28	48	SB70 or BB70
IS-480-2B		34	54	SB75 or BB75



TRIPLE SHEAVE



Type \ kind	Dia.of Rope (mm)	S.W.L (ton)	Proof Load (ton)	Shackle
IS-410-3A	24	29	49	SB70 or BB70
IS-410-3B		33	53	SB75 or BB75
IS-430-3A	25	32	52	SB75 or BB75
IS-430-3B		36	56	SB80 or BB80
IS-460-3A	26	34	54	SB75 or BB75
IS-460-3B		38	58	SB80 or BB80
IS-480-3A	28	39	59	SB80 or BB80
IS-480-3B		45	67.5	SB85 or BB85

CAST STEEL CARGO BLOCK



Type \ kind	Dia.of Rope (mm)	S.W.L (ton)	Proof Load (ton)	Shackle
IS-340-1RA	20	3.5	14.0	SB34 or BB34
IS-340-2RA		13.0	26.0	SB46 or BB46
IS-410-1RA	24	5.0	20.0	SB40 or BB40
IS-410-2RA		19.0	38.0	SB60 or BB60
IS-430-1RA	25	5.5	22.0	SB42 or BB42
IS-430-2RA		21.0	41.0	SB60 or BB60
IS-460-1RA	26	6.5	26.0	SB44 or BB44
IS-460-2RA		29.0	49.0	SB65 or BB65

JIS SNATCH BLOCK



Type \ kind	Dia.of Rope (mm)	S.W.L (ton)	Proof Load (ton)
SM-200	M25	1.25	5
SW-160	20	1	4
SW-200	25	2	8
SW-240	28	3	12
SW-280	32	4	16
SW-320	36	5	20

WIDE ROLLER BLOCK



Size (ton)	Sheave (mm)	S.W.L (ton)	Weight (kg)	Remark
3.0	145 × 100	3.0	20	SB24
5.0	150 × 140	5.0	30	SB28
7.0	170 × 140	7.0	38	SB34
10.0	240 × 170	10.0	92	SB40
15.0	300 × 180	15.0	130	SB50
20.0	350 × 200	20.0	185	SB55
25.0	350 × 200	25.0	195	SB60

TOP ROLLER



Size (ton)	D (mm)	B (mm)	L (mm)	S.W.L (ton)	Weight (kg)
3.0	250	180	420	3.0	110.0
5.0	280	195	480	5.0	160.0
7.0	300	205	550	7.0	160.0
10.0	350	230	640	10.0	380.0
12.0	420	190	760	12.0	420.0
15.0	500	260	840	15.0	550.0

JIN BLOCK

1. Standard Type



Size (mm)	D (mm)	B (mm)	L (mm)	S.W.L (ton)	Weight (kg)
100	100	32	210	1.0	3.7
125	125	38	240	1.4	5.0
140	140	44	275	2.0	7.0
150	150	44	300	2.2	7.6
180	180	50	350	2.7	11.5
200	200	60	380	4.0	17.5
250	250	75	420	5.0	30.0

1. Snatch Type



Size (mm)	D (mm)	B (mm)	L (mm)	S.W.L (ton)	Weight (kg)
100	100	32	210	1.0	3.5
125	125	38	230	1.4	4.8
140	140	45	260	2.0	8.0
150	150	45	290	2.2	8.6
180	180	50	320	2.7	11.5
200	200	60	370	4.0	17.5
250	250	75	400	5.0	29.0



STEEL BLOCK, SHACKLE TYPE

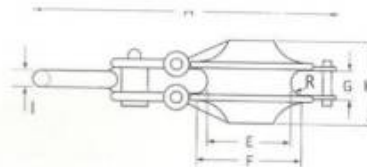
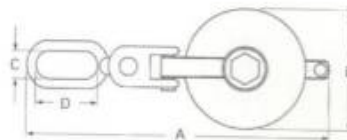


Size	Sheave (ea)	S.W.L (ton)	B.T.L (ton)	Weight (kg)
14-601	1	10.0	40	59
14-602	2	20.0	40	91
14-603	3	30.0	50	107
14-604	4	40.0	65	159
18-601	1	18.0	36	123
18-602	2	30.0	50	181
18-603	3	45.0	75	227
18-604	4	65.0	100	307

SNATCH BLOCK (Forged)



Size (in)	Dimensions (mm)										Weight (kg)
	A	B	C	D	E	F	G	H	I	R	
5	370	140	25	50	98	114	32	98	20	15	7.2
6	480	166	40	85	126	150	37	128	26	15	15.0

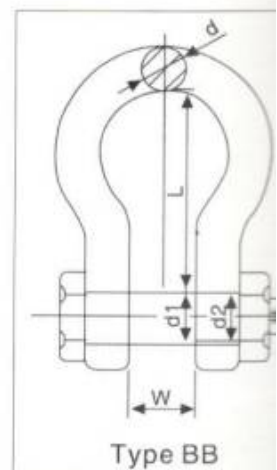
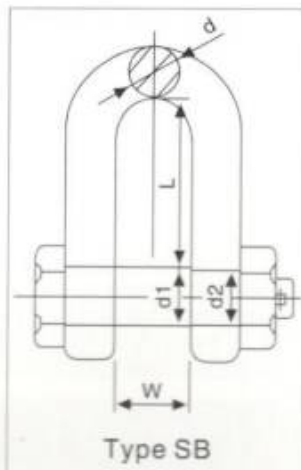


BLOCK



Sheave (in)	D (mm)	S.W.L (ton)	W (mm)	Weight (kg)	Rope DIA (mm)
3	75	0.5	87	1.7	8
4	100	1	112	3.2	10
5	125	1.5	140	5	13
6	150	2	168	8.3	16
7	175	3	190	12	19
8	200	4	205	18	22
10	250	5	270	27	25
3	75	0.5	87	3	8
4	100	1	112	4.7	10
5	125	1.5	140	8	13
6	150	2	168	13.5	16
7	175	3	190	17.5	19
8	200	4	205	25	22
10	250	5	270	40	25

BLOCK SHACKLE (JIS-B2801)



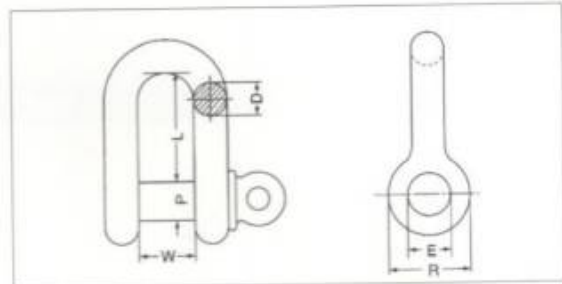
TYPE SB

Size (mm)	Dimensions(mm)					S.W.L(ton)
	d	W	L	d1	d2	
20	20	31	68	24	M24	2.5
22	22	34	75	26	M24	3.0
24	24	39	81	30	M30	3.6
26	26	41	88	32	M30	4.2
28	28	43	95	34	M33	4.8
30	30	45	102	36	M36	5.4
32	32	48	109	38	M36	6.2
34	34	50	116	40	M39	7.0
36	36	54	123	42	M42	8.0
38	38	57	129	46	M45	9.0
42	42	63	142	51	M48	11.0
44	44	66	149	54	M48	12.0
46	46	68	156	56	M48	13.0
48	48	72	163	58	M56	14.0
50	50	75	170	60	M56	15.0
55	55	83	187	65	M64	18.0
60	60	90	205	70	M64	22.0
65	65	98	221	77	M72	26.0
70	70	105	238	83	M80	30.0
75	75	112	255	90	M80	35.0
80	80	120	272	96	M90	40.0
85	85	128	289	102	M90	45.0
90	90	135	306	108	M100	50.0

TYPE BB

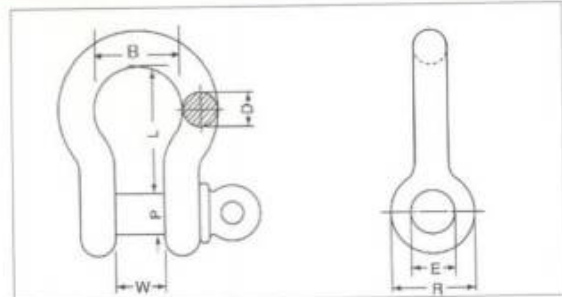
Size (mm)	Dimensions(mm)					S.W.L(ton)
	d	W	L	d1	d2	
20	20	31	92	24	M24	2.5
22	22	34	104	26	M24	3.0
24	24	39	111	30	M30	3.6
26	26	41	119	32	M30	4.2
28	28	43	127	34	M33	4.8
30	30	45	135	36	M36	5.4
32	32	48	148	38	M36	6.2
34	34	50	156	40	M39	7.0
36	36	54	169	42	M42	8.0
38	38	57	175	46	M45	9.0
42	42	63	188	51	M48	11.0
44	44	66	194	54	M48	12.0
46	46	68	203	56	M48	13.0
48	48	72	212	58	M56	14.0
50	50	75	219	60	M56	15.0
55	55	83	227	65	M64	18.0
60	60	90	275	70	M64	22.0
65	65	98	299	77	M72	26.0
70	70	105	318	83	M80	30.0
75	75	112	342	90	M80	35.0
80	80	120	366	96	M90	40.0
85	85	128	389	102	M90	45.0
90	90	135	419	108	M100	50.0

CHAIN SHACKLE (Forged)



Size (in)	Dimensions (mm)					S.W.L (ton)	Weight (kg)
	D	L	P	R	W		
1/2	13	42	16	30	21	2.0	0.3
5/8	16	51	19	40	27	3.25	0.6
3/4	19	60	22	48	32	4.75	1.1
7/8	22	71	25	54	37	6.5	1.4
1	25	82	28	60	43	8.5	2.2
1-1/8	28	92	32	67	46	9.5	3.1
1-1/4	32	99	35	76	51	12.0	4.1
1-1/2	38	121	42	92	60	17.0	7.2
1-3/4	45	146	50	109	73	25.0	12.1
2	51	162	58	127	83	35.0	19.2

ANCHOR SHACKLE (Forged)



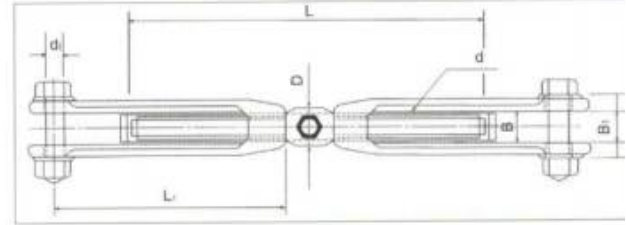
Size (in)	Dimensions (mm)						S.W.L (ton)	Weight (kg)
	B	D	L	P	R	W		
3/8	24	10	36	12	24	17	1.0	0.2
1/2	34	13	48	16	30	21	2.0	0.3
5/8	43	16	61	19	40	27	3.25	0.6
3/4	51	19	73	22	48	32	4.75	1.1
7/8	58	22	85	25	54	37	6.5	1.6
1	68	25	95	28	60	43	8.5	2.3
1-1/8	74	28	109	32	67	46	9.5	3.4
1-1/4	83	32	119	35	76	51	12.0	4.3
1-3/8	92	35	134	38	84	57	13.5	6.1
1-1/2	98	38	146	42	92	60	17.0	7.8
1-3/4	127	45	177	50	109	73	25.0	12.6
2	146	51	197	58	127	83	35.0	20.4

SWIVELS

SWIVELS

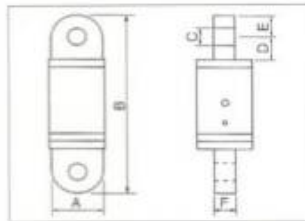
22

RIGGING SCREWS



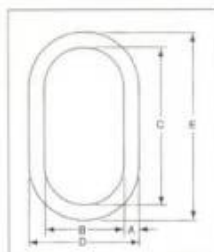
Size (#)	Dimensions(mm)						
	L	D	d	L1	B	B1	d1
14	350	35	M24	239	24	30	M22
16	380	40	M27	243	32	34	M24
18	420	45	M30	265	32	37	M27
22	450	45	M33	275	38	40	M27
24	480	50	M39	310	41	44	M30
25	500	55	M42	325	44	47	M33
30	540	60	M48	345	48	54	M39

BEARING SWIVEL EYE & EYE TYPE



S.W.L (ton)	Dimensions(mm)						Weight (kg)
	A	B	C	D	E	F	
1	49	158	17	23	21	13	1.35
2	68	250	28	36	34	30	3.5
3	78	283	28	36	34	30	6.5
5	88	288	31	36	34	30	8.1
8	108	368	41	46.5	45.5	40	15.2
10	118	430	50	58	52	45	19.1
20	170	570	53	85	71	65	25.2

MASTER LINK



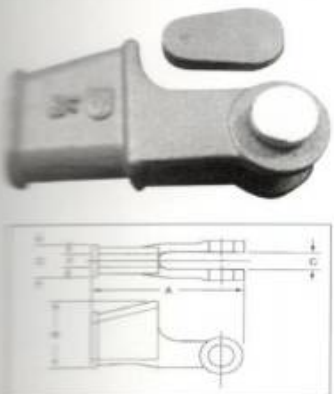
Size (in)	S.W.L (lbs)	Dimensions(in)					Weight (lbs)
		A	B	C	D	E	
5/8	9000	0.63	3.00	6.00	4.25	7.25	1.52
3/4	10500	0.75	2.75	5.50	4.25	7.00	2.07
1	24360	1.00	3.50	7.00	5.50	9.00	4.85
1 1/4	36000	1.25	4.38	8.75	6.88	11.25	9.57

REGULAR SWIVEL



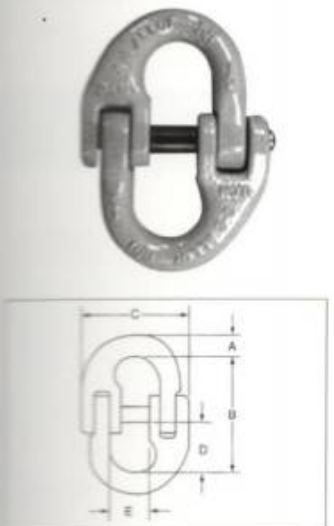
Size (in)	Chain Swivel(Single) (mm)					Eye and Eye Swivel(Double)	
	A	B	C	D	Weight(kg)	A(mm)	Weight(kg)
3/16	-	23	14	-	-	62	0.038
1/4	-	29	15	-	-	71	0.070
5/16	-	37	22	-	-	95	0.140
3/8	94	41	24	19	0.19	113	0.24
1/2	129	56	33	23	0.41	154	0.51
5/8	147	68	41	23	0.76	182	0.98
3/4	174	81	47	28	1.65	220	2.08
7/8	206	96	47	30	2.80	242	3.16
1	215	100	59	32	3.04	275	4.24
1 1/4	235	110	65	36	3.90	-	-
1 1/2	300	147	75	43	9.08	-	-

WEDGE SOCKET



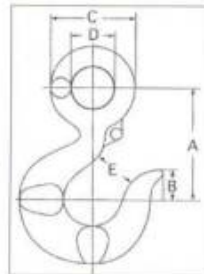
Wire Rope Dia(in)	Dimensions(in.)					Weight (lbs)
	A	B	C	D	F	
3/8	5.63	2.56	0.81	0.81	0.56	2.00
1/2	6.81	3.44	1.00	1.00	0.69	4.75
5/8	8.16	4.06	1.25	1.19	0.88	7.75
3/4	9.78	4.81	1.50	1.38	1.00	11.75
7/8	11.16	5.50	1.75	1.63	1.13	20.50
1	12.75	6.13	2.00	2.00	1.31	30.25
1 1/8	14.38	6.75	2.55	2.25	1.50	43.50
1 1/4	16.00	7.38	2.50	2.50	1.53	57.20

CONNECTING LINK



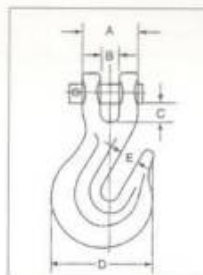
Size (in)	S.W.L (lbs)	Dimensions(in.)					Weight (lbs)
		A	B	C	D	E	
1/4	3500	0.31	2.06	1.69	0.78	0.78	0.24
3/8	7100	0.45	2.72	2.31	1.06	1.09	0.58
1/2	12000	0.58	3.34	3.16	1.28	1.41	1.20
5/8	18100	0.78	3.91	3.94	1.56	1.69	2.42
3/4	28300	0.89	4.84	4.44	1.97	2.00	3.89
7/8	34200	1.00	5.81	5.31	2.38	2.12	6.08
1	47700	1.08	6.48	6.07	2.84	2.55	7.03

HOIST HOOKS : EYE HOOKS



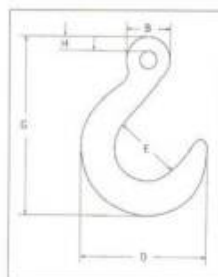
SWL(ton)		Dimensions(mm)					Weight (kg)
Carbon	Alloy	A	B	C	D	E	
3/4	1	57	10	38	19	24	0.29
1	1 1/2	65	19	45	23	25	0.48
1 1/2	2	72	22	52	28	26	0.65
2	3	83	25	61	32	31	0.98
3	4 1/2	103	30	75	40	38	1.84
5	7	132	43	97	51	46	3.42
7 1/2	11	161	45	119	62	57	6.26

CLEVIS GRAB HOOKS : CHAIN HOOKS



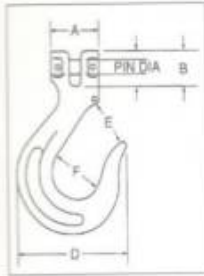
Chain size (in)	S.W.L (lbs)	Dimensions(in)					Weight (lbs)
		A	B	C	D	E	
1/4	3500	1.00	0.32	0.31	1.81	0.34	0.36
5/16	4500	1.22	0.43	0.36	2.12	0.44	0.62
3/8	7100	1.42	0.48	0.49	2.53	0.50	1.00
1/2	12000	1.88	0.57	0.51	3.56	0.66	2.22
5/8	15800	2.31	0.71	0.67	4.39	0.78	4.41
3/4	20200	2.62	0.94	0.94	5.22	0.94	6.50

EYE FOUNDRY HOOKS



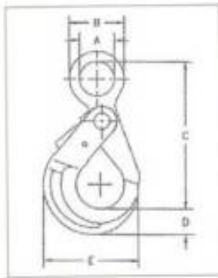
Chain size (in)	S.W.L (lbs)	Dimensions(in)					Weight (lbs)
		B	D	E	G	H	
1/2	12000	2.50	6.75	3.50	9.37	0.75	7.10
3/8	18100	3.00	7.81	4.00	10.97	0.78	11.60

CLEVIS SLING HOOKS



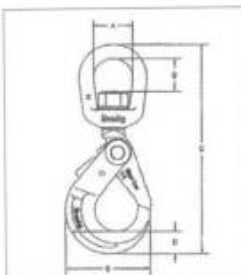
Chain size (in)	S.W.L (lbs)	Dimensions(mm)					Weigh (lbs)
		A	B	D	E	F	
1/4	3500	1.50	1.10	3.47	1.44	1.75	0.95
3/8	7100	1.79	1.32	4.55	1.78	2.23	2.15
1/2	12000	2.38	1.61	5.50	2.12	2.50	4.35
5/8	18100	2.68	2.05	6.50	2.34	2.88	7.45

SHUR-LOC HOOKS : SAFETH LATCH HOOKS



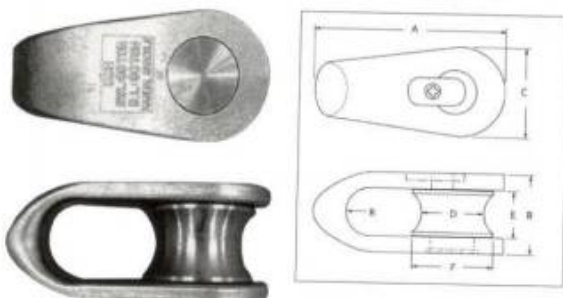
Chain size		S.W.L (lbs)	Dimensions(in)				Weight (lbs)
in	mm		A	B	D	E	
-	6	2000	1.50	1.32	.79	2.60	1.26
1/4-5/16	7-8	3800	1.75	1.59	1.10	3.50	2.62
3/8	10	5000	2.00	1.73	1.16	4.35	4.70
1/2	13	7800	2.50	2.38	1.66	5.45	8.64
5/8	16	15200	2.75	2.54	2.05	6.56	17.00

SHUR-LOC SWIVEL HOOKS



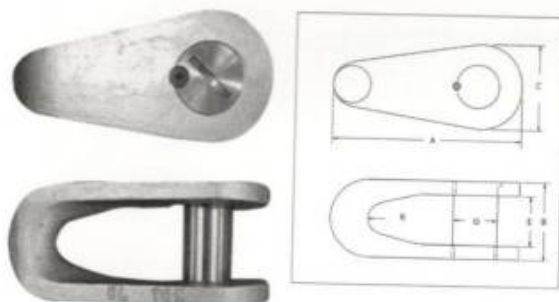
Chain size		Dimensions(in)					Weight (lbs)
in	mm	A	B	C	D	E	
-	6	.79	1.42	3.95	.79	2.60	.85
1/4-5/16	7~8	.98	1.76	5.24	1.10	3.50	1.81
3/8	10	1.30	2.44	6.63	1.15	4.35	3.24
1/2	13	1.81	3.15	8.31	1.66	5.45	5.96
5/8	16	2.20	3.94	10.06	2.05	6.56	12.75

MANDAL FAIRLEAD SHACKLES



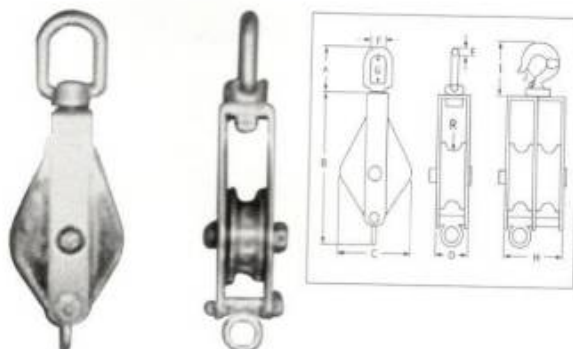
Type (ton)	Dimensions(mm)							S.W.L Load	Weight (kg)
	A	B	C	D	E	F	R		
90	255	111	126	85	67	110	34	30	11.5
120	305	142	135	87	90	120	47.5	40	17.4

TONSBERG MOORING LINKS



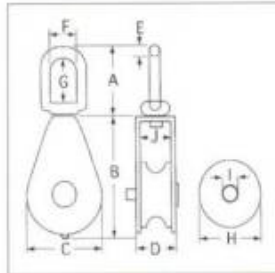
Type (ton)	Dimensions(mm)						S.W.L Load	Weight (kg)
	A	B	C	D	E	R		
90	285	119	136	65	75	22	30	11.2
120	325	142	150	75	90	28	40	17.0
180	340	190	160	85	120	30	60	27.0

WIDE BLOCK



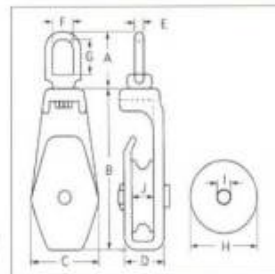
Size (in)	Dimensions(mm)										
	A	B	C	D	E	F	G	H	I	J	R
3	75	164	80	40	13	30	43	68	89	28	8.5
4	90	215	110	54	16	37	55	93	110	27	12.5

BLOCK



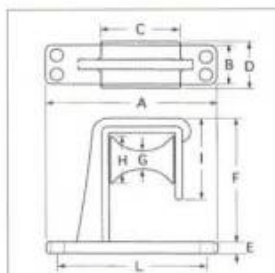
Size (In)	Dimensions(mm)										Weight (kg)
	A	B	C	D	E	F	G	H	I	J	
1	31	48	28	22	5	13	18	24	9	15	0.14
1.5	35	59	37	24	7	16	20	32	9	17	0.19
2	47	80	54	28	8	19	28	49	10	20	0.40

WANY BLOCK



Size (In)	Dimensions(mm)										Weight (kg)
	A	B	C	D	E	F	G	H	I	J	
2	56	120	49	39	9	23	35	49	10.5	22	1.0
3	77	163	76	45	13	30	45	75	13.8	26	2.15

이동로라 A형



Size (In)	Dimensions(mm)										Weight (kg)
	A	B	C	D	E	F	G	H	I	L	
2	182	54	85	51	13	139	32	51	105	154	3.32
3	220	80	107	77	16	167	52	75	130	190	6.56

ANCHORS & ANCHOR CHAINS

표준형 등부표 일람표

형식	등 부 표			
	LS-2400	LL-2400	LL-2600	LL-2800
표준설치장소	- 조류 2노트 이하 - 간만의 차 심한 곳	- 조류 3노트 이하 - 잔잔한 해면	- 조류 3.8노트 이하 - 외해	- 조류 3.8노트 이하 - 외해
수심	10m 미만	20m~50m	20m	30m
등명기	200mm	200mm	200mm 또는 250mm	200mm 또는 250mm
자중(표체)	7.25 TON	5.8 TON	6.2 TON	7.8 TON
표준설치도				
형식	부 표			
	LS-3500	LS-4000	UP-1700	US-1700
표준설치장소	- 조류 5.5노트 이하 - 외해(급조류)	- 조류 7.5노트 이하 - 외해(급조류)	전해면	전해면
수심	40m	40m이상	5~20m	5~20m
등명기	250mm	250mm		
자중(표체)	5.8 TON	7.3 TON	1.86 TON	1.78 TON
표준설치도				

CONTAINER LASHING

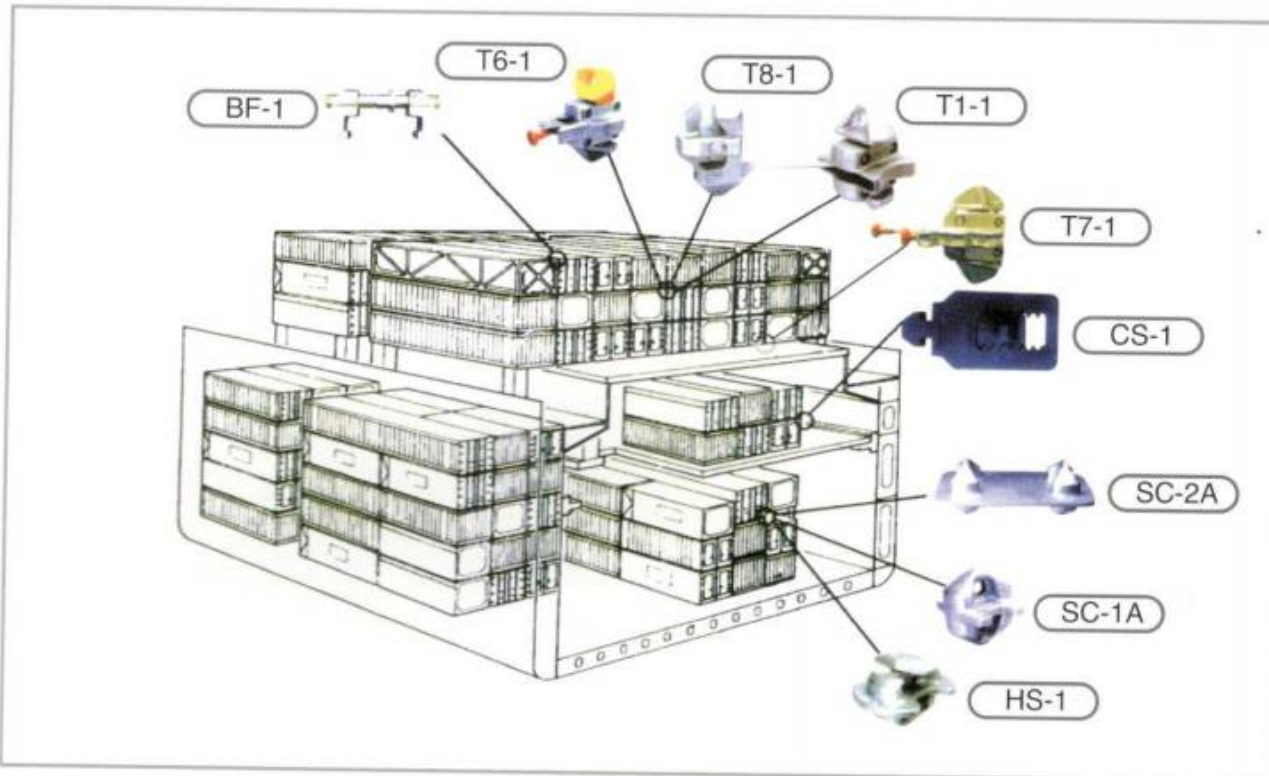
CONTAINER LASHING

29



ILLUSTRATION FOR CONTAINER SECURING EQUIPMENT

Loosed Material



Loosed Material

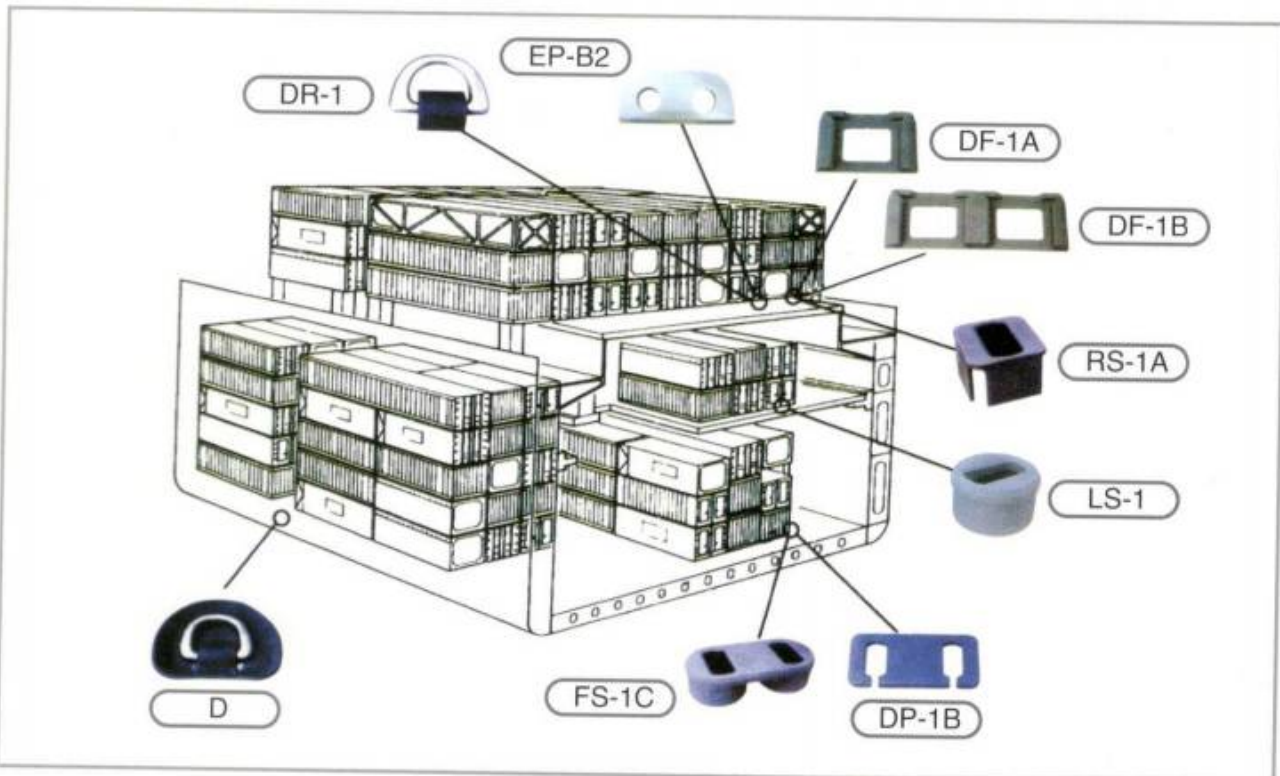
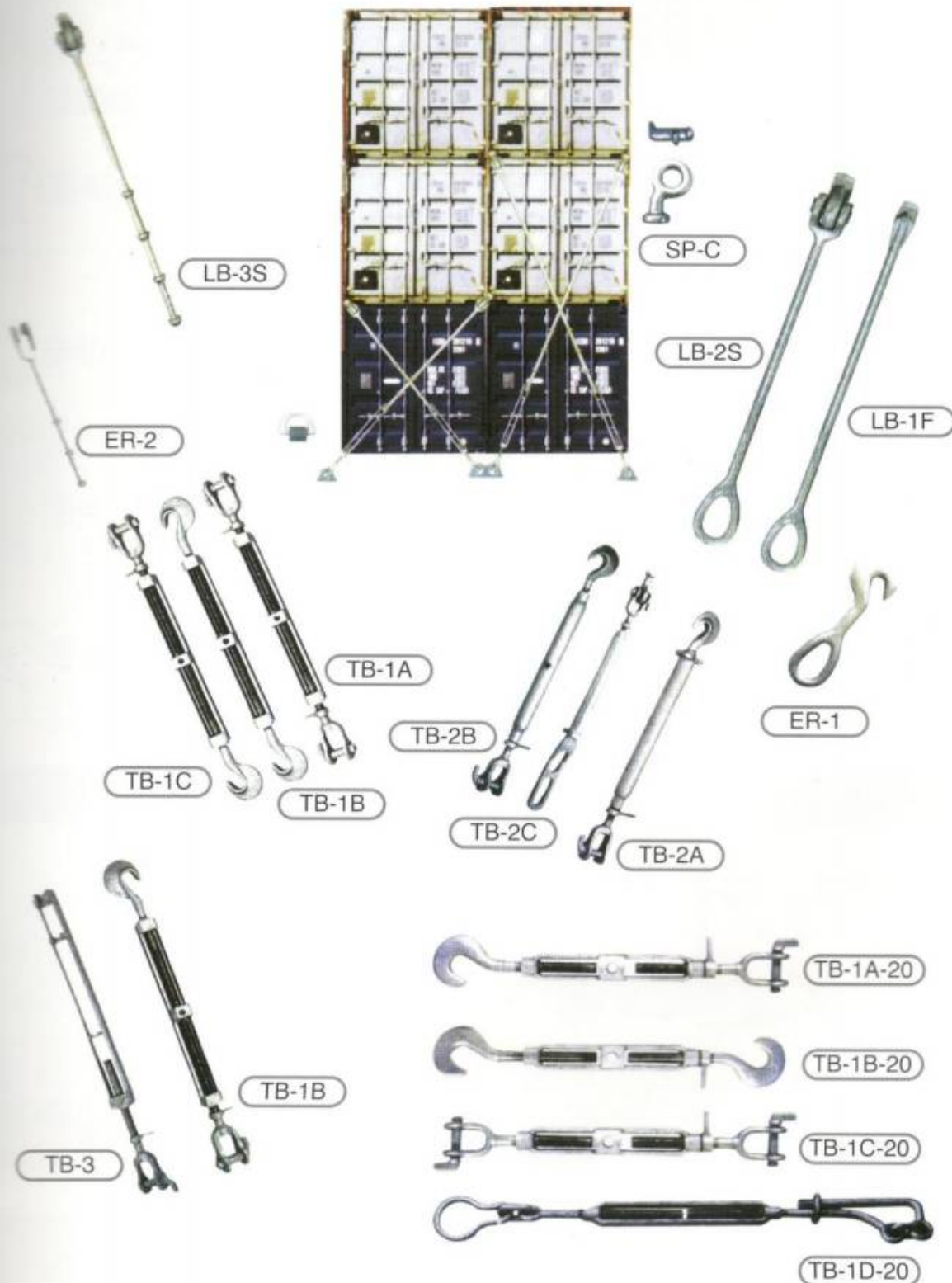


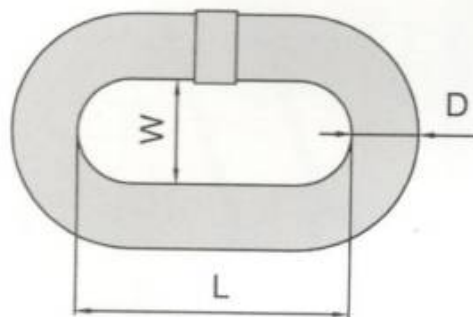
ILLUSTRATION FOR CONTAINER SECURING EQUIPMENT



CONTAINER LASHING

LASHING CHAIN

MODEL	B.L.(ton)	DIA (D)	INSIDE LENGTH (L)	INSIDE WIDTH (W)	WEIGHT	FINIS
F-100	12	Ø11	64	20	2.33kg/m	Tar
F-200	16	Ø13	80	23	3kg/m	Tar
F-300	32	Ø16	80	28	3kg/m	Tar



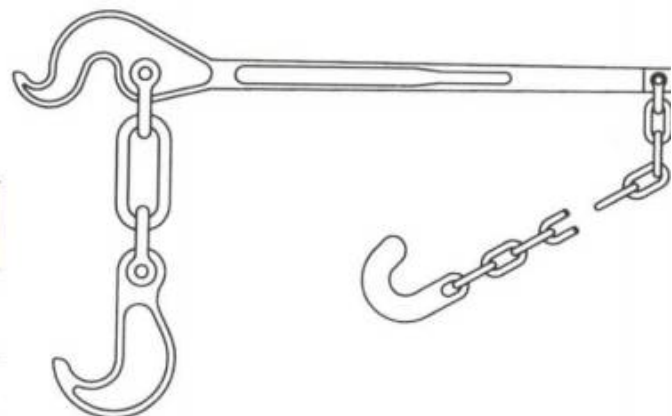
MODEL	SHAPE
F-200	
F-202	
F-205	
F-206	

CHAIN TENSIONER

B.L : Tensile load

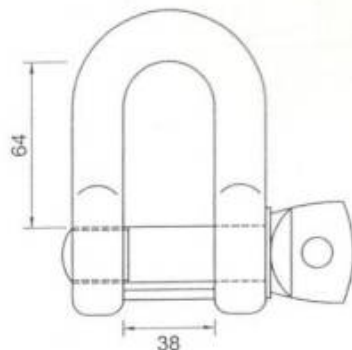


MODEL	B.L.(ton)	WEIGHT (kg)	FINISH
C-1S	20 (196.2kN)	4.7	Tar
CTH-1	-	4.5	Tar

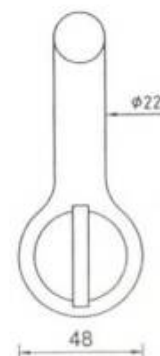
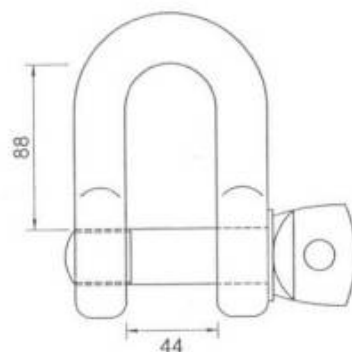


LASHING SHACKLE

FINISH	GALVANIZED
WEIGHT	1.0 kg
P.L	8 ton (78kN)
B.L	20 ton (196.2kN)

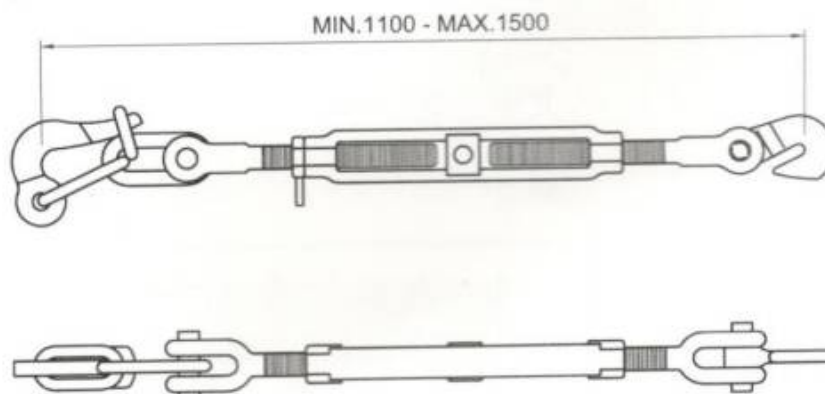


FINISH	GALVANIZED
WEIGHT	1.57 kg
P.L	12 ton (117.7kN)
B.L	30 ton (249.2kN)



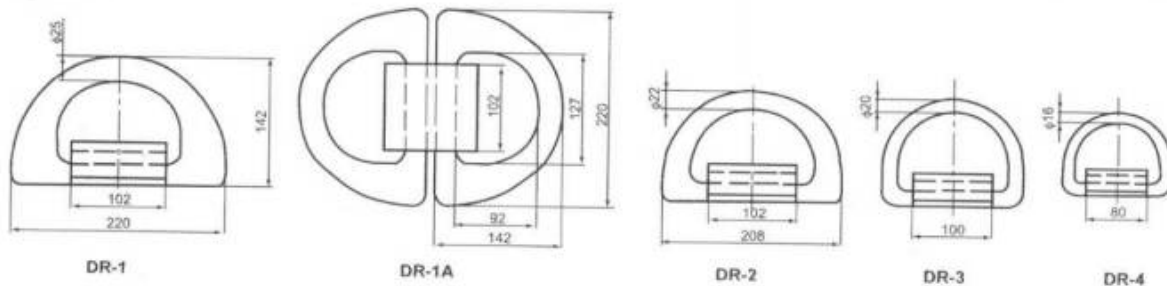
LASHING TURNBUCKLE

FINISH	GALVANIZED
WEIGHT	12.5 kg
P.L	8 ton (78.5kN)
B.L	16 ton (157kN)



CONTAINER LASHING

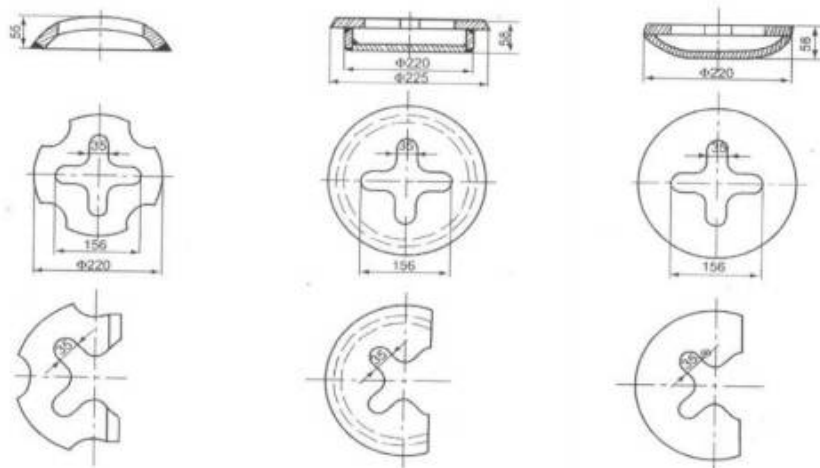
"D" RING WITH STRAP DR-1 / DR-1A / DR-2 / DR-3 / DR-4



ITEM	TENSION B. L (ton)	S.W.L (ton)	SHEAR B. L (ton)	WEIGHT (kg)
DR-1 / DR-1A	50	25	-	4.3 / 7.6
DR-2	36	18	-	3.2
DR-3	20	10	-	2.3
DR-4	10	5	-	1.8

Material Drop forged
Finish D-Ring hot dip galvanized and strap painted

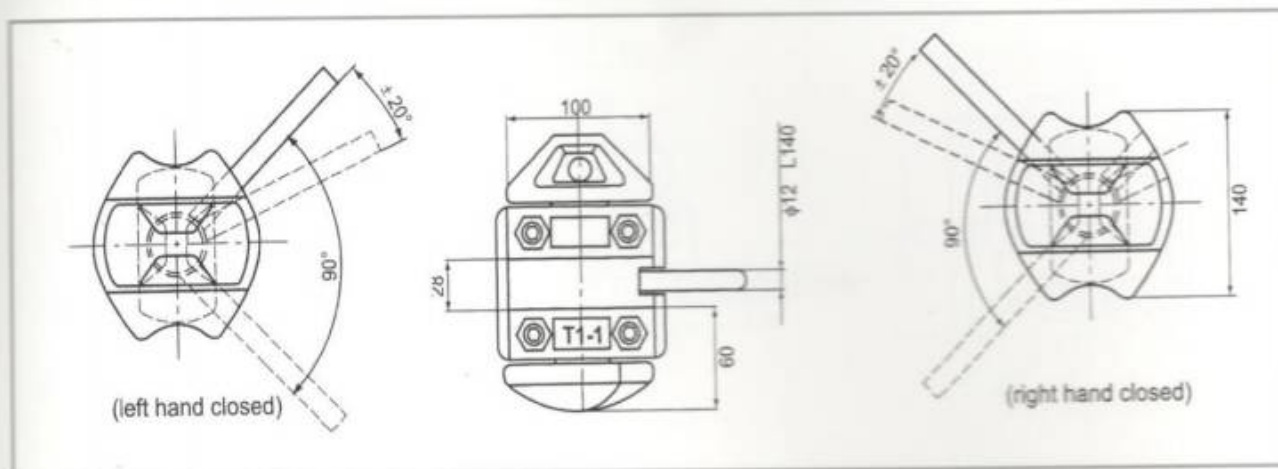
LASHING POINT LP-1 / LP-2 / LP-3



ITEM	TENSION B. L (ton)	S.W.L (ton)	SHEAR B. L (ton)	WEIGHT (kg)
LP-1/2/3	36	18	-	3.6 / 9.8 / 7.8

Material Ship building steel
Finish Painted

INTERMEDIATE TWISTLOCK T 1-1

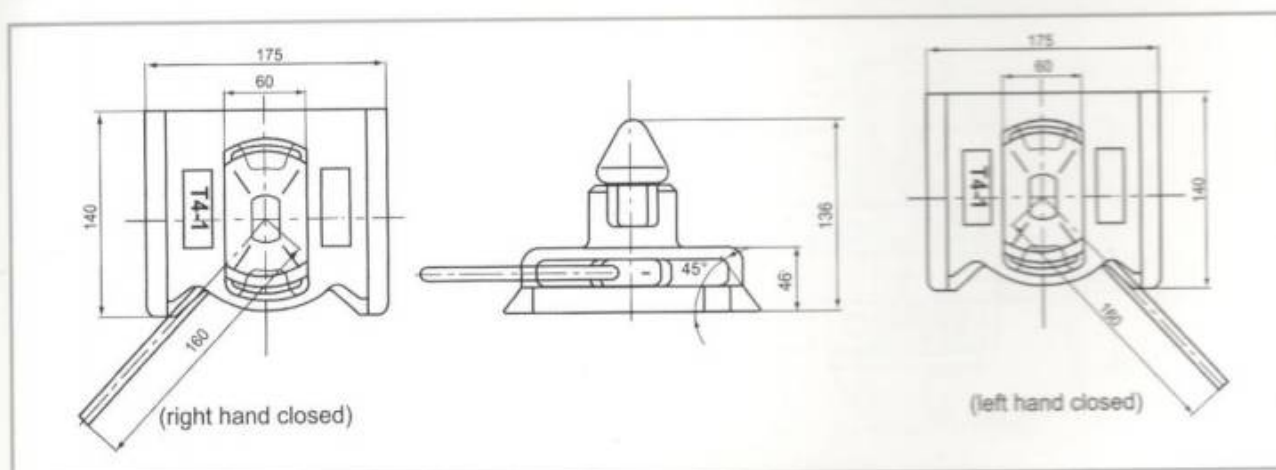


ITEM	TENSION B. L (ton)	S.W.L (ton)	SHEAR B. L (ton)	WEIGHT (kg)
T 1-1	50	25	42	5.8

Material Finish

Forged shaft and ductile iron housing. Stainless steel spring
Hot dip galvanized.

TWISTLOCK BOTTOM U-FRAME T 4-1



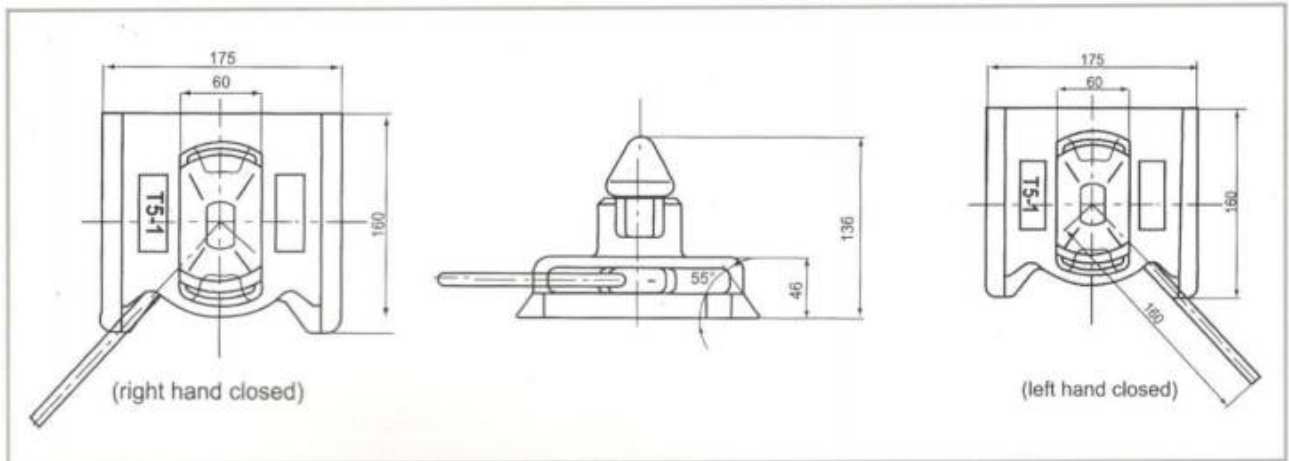
ITEM	TENSION B. L (ton)	S.W.L (ton)	SHEAR B. L (ton)	WEIGHT (kg)
T 4-1	50	25	42	6.8

Material Finish

Forged shaft and low alloy casting steel housing. Stainless steel spring
Hot dip galvanized.

CONTAINER LASHING

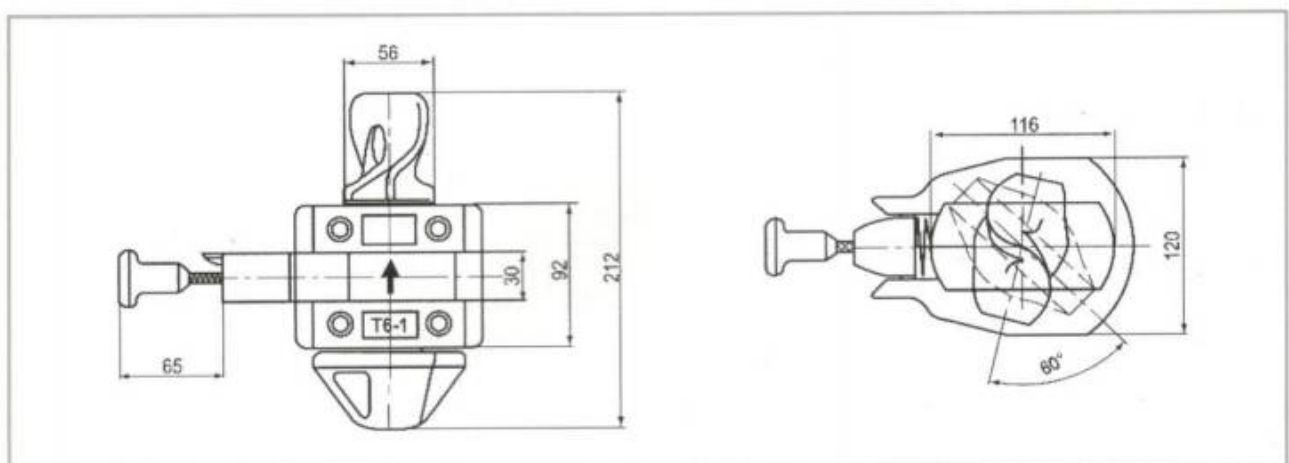
TWISTLOCK BOTTOM U-FRAME T 5-1



ITEM	TENSION B. L (ton)	S.W.L (ton)	SHEAR B. L (ton)	WEIGHT (kg)
T 5-1	50	25	42	7.3

Material Forged shaft and low alloy casting steel housing. Stainless steel spring
Finish Hot dip galvanized.

TWISTLOCK SEMI AUTOMATIC T 6-1

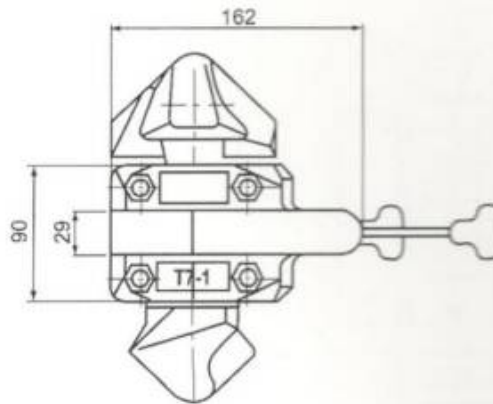
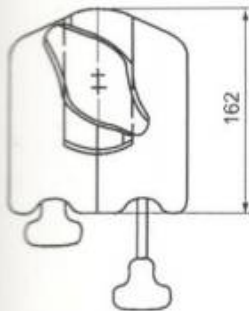


ITEM	TENSION B. L (ton)	SWL (ton)	SHEAR B. L (ton)	WEIGHT (kg)
T 6-1	50	25	42	7.2

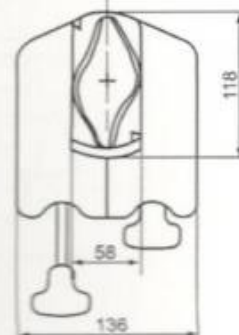
Material Forged shaft and low alloy casting steel housing. Stainless steel spring
Finish Hot dip galvanized.

TWISTLOCK SEMI AUTOMATIC DOUBLE WIRE T 7-1

(upper cone position closed)



(lower cone position closed)

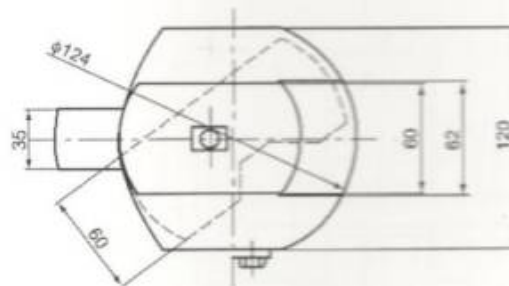
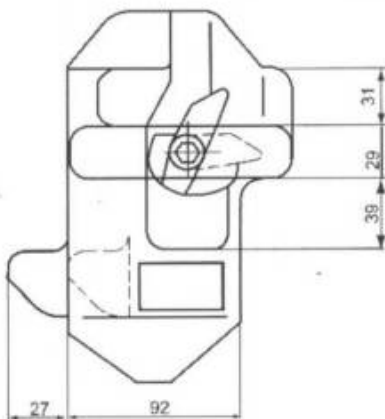


ITEM	TENSION B. L (ton)	SWL (ton)	SHEAR B. L (ton)	WEIGHT (kg)
T 7-1	50	25	42	7.5

**Material
Finish**

Forged shaft and low alloy casting steel housing. Stainless steel spring
Hot dip galvanized.

MID LOCK T 8-1

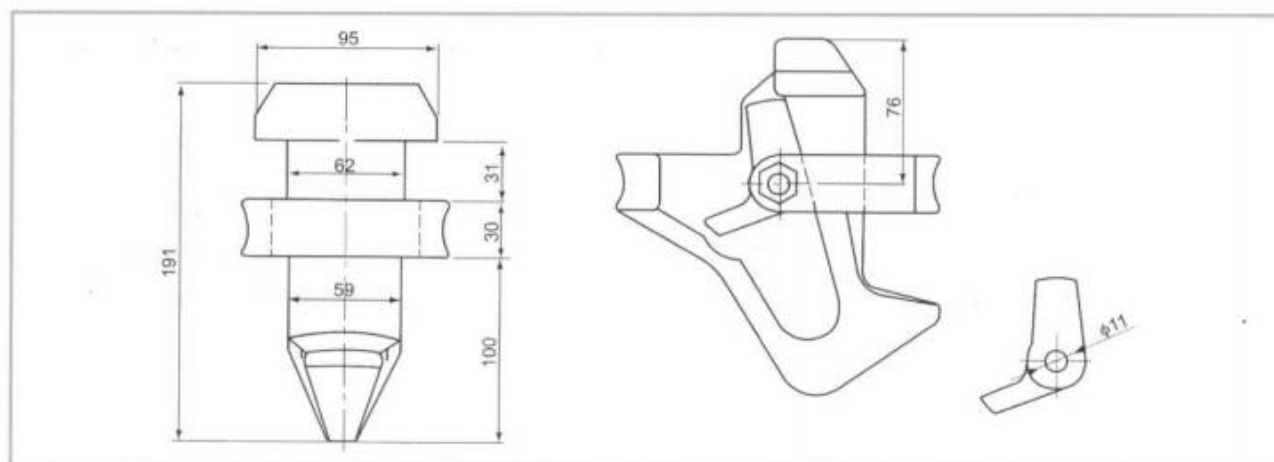


ITEM	TENSION B. L (ton)	SWL (ton)	SHEAR B. L (ton)	WEIGHT (kg)
T 8-1	50	25	42	7.0

**Material
Finish**

Forged shaft and housing. Stainless steel spring
Hot dip galvanized.

MID LOCK T 8-2

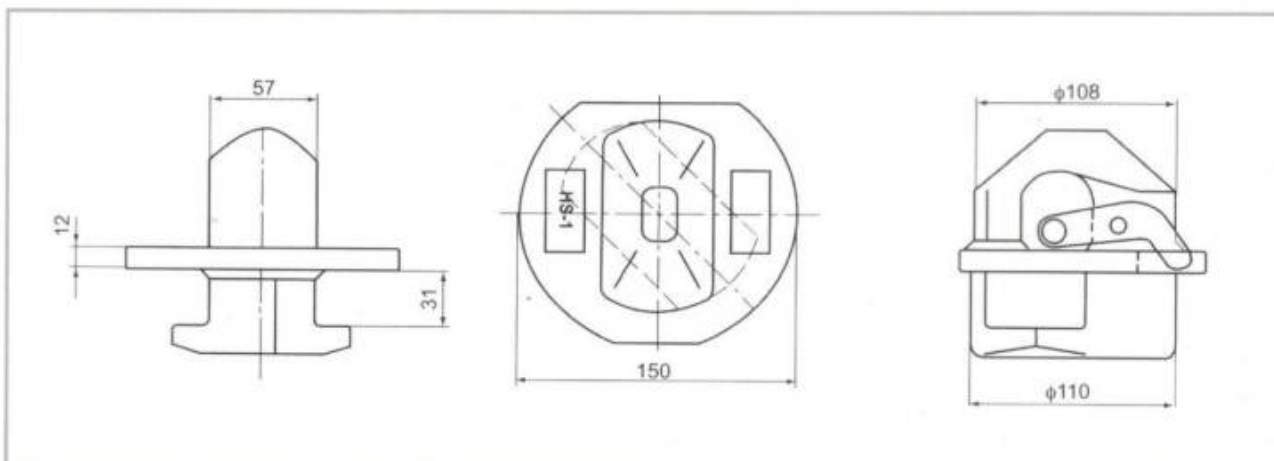


ITEM	TENSION B. L (ton)	S.W.L (ton)	SHEAR B. L (ton)	WEIGHT (kg)
T 8-2	50	25	42	6.5

Material
Finish

Forged shaft and housing. Stainless steel spring
Hot dip galvanized.

HANGING STACKER HS-1

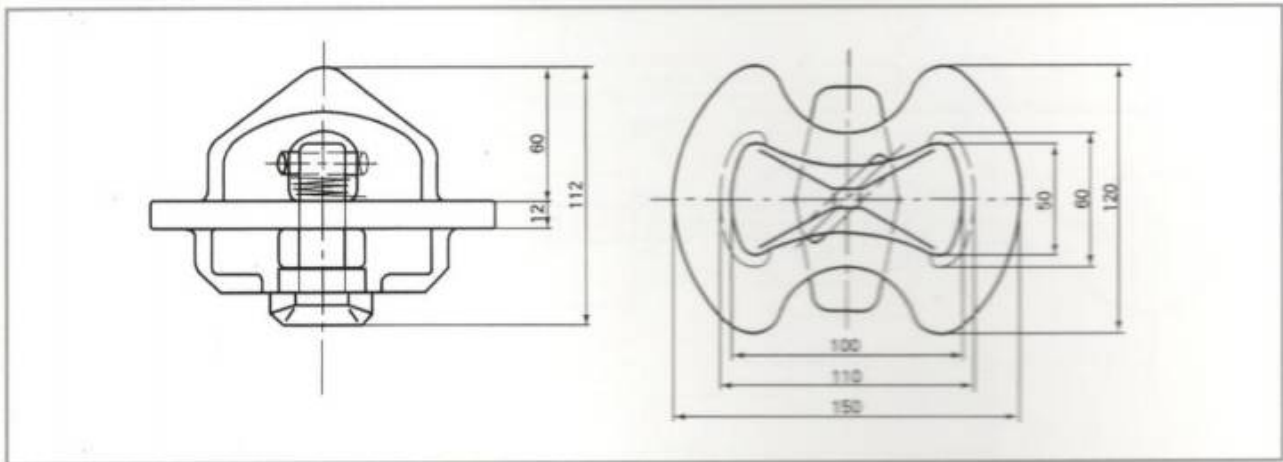


ITEM	TENSION B. L (ton)	S.W.L (ton)	SHEAR B. L (ton)	WEIGHT (kg)
HS-1	-	-	42	4.2

Material
Finish

Low alloy casting steel
Hot dip galvanized

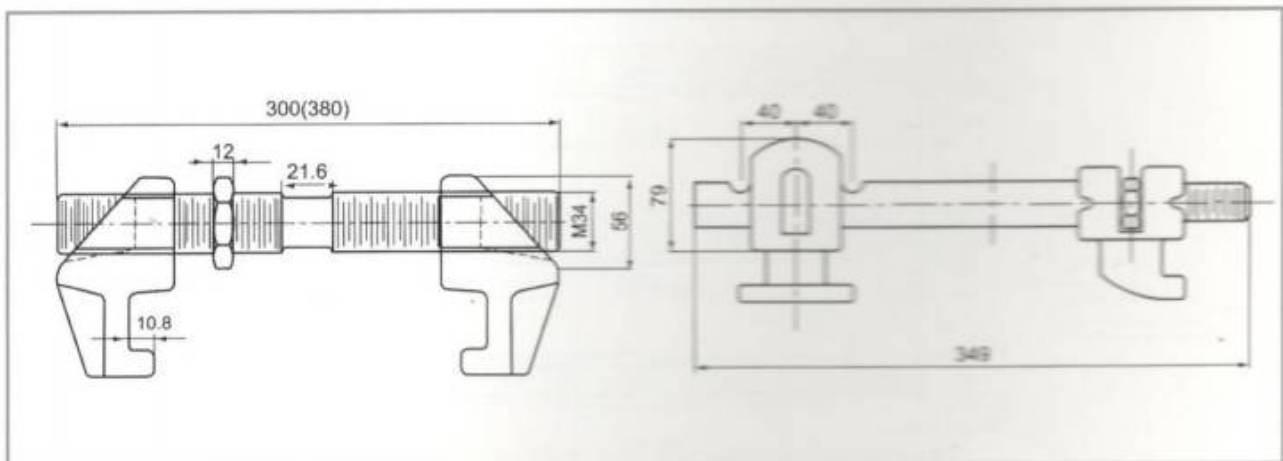
HANGING STACKER HS-2



ITEM	TENSION B. L (ton)	S.W.L (ton)	SHEAR B. L (ton)	WEIGHT (kg)
HS-2	-	-	42	2.8

Material Low alloy casting steel
Finish Hot dip galvanized

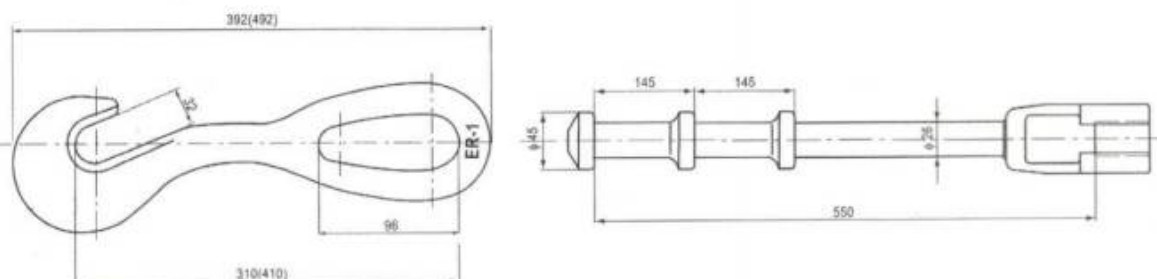
BRIDGE FITTING BF-1 / BF-2



ITEM	TENSION B. L (ton)	S.W.L (ton)	SHEAR B. L (ton)	WEIGHT (kg)
BF-1/BF-2	10 / 25	5.0 / 12.5	-	4.5 / 5.0

Material Casting and structural steel
Finish Hot dip galvanized

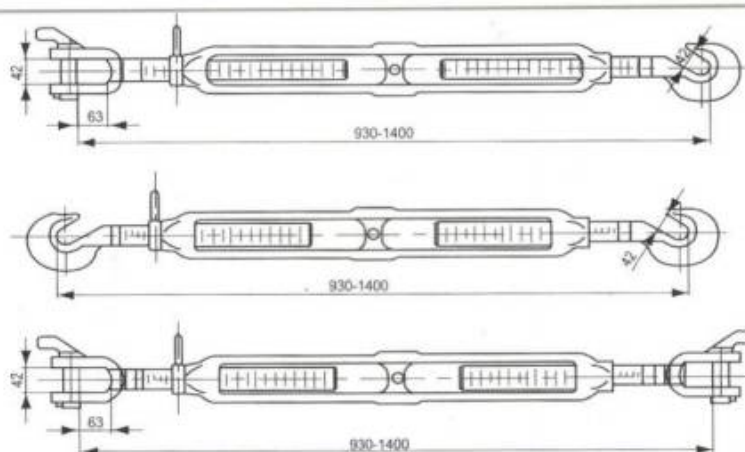
EXTENSION ROD ER-1 / ER-2



ITEM	TENSION B. L (ton)	S.W.L (ton)	SHEAR B. L (ton)	WEIGHT (kg)
ER-1 / ER-2	50	25	-	4.5(5.5) / 5.2

Material High tensile steel-drop forged
Finish Hot dip galvanized

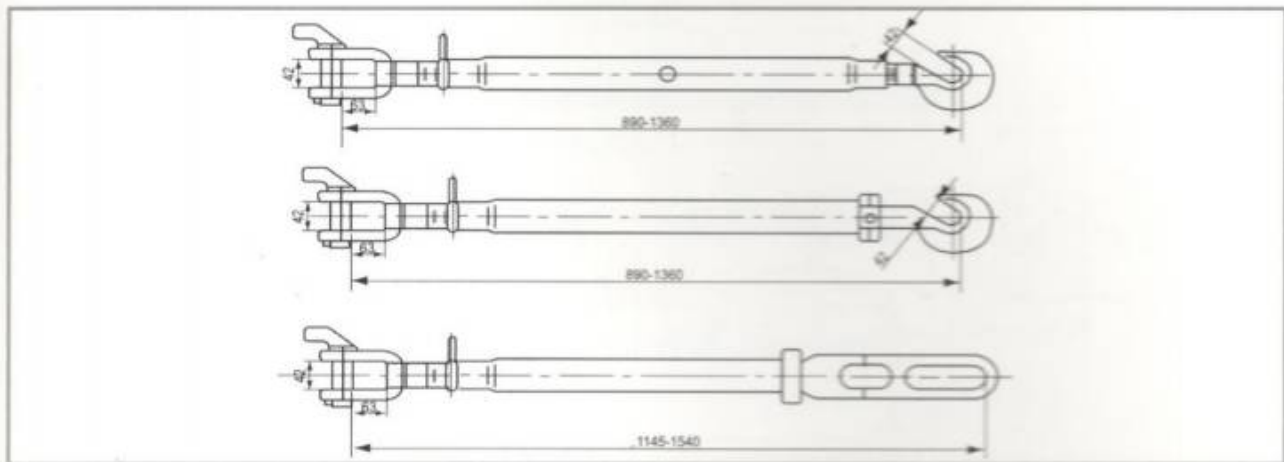
TURNBUCKLES OPEN BODY TB-1A / TB-1B / TB-1C



ITEM	TENSION B. L (ton)	S.W.L (ton)	SHEAR B. L (ton)	WEIGHT (kg)
TB-1A/1B/1C	50	25	42	13.5 / 13.0 / 13.7

Material High tensile steel-drop forged
Finish Hot dip galvanized

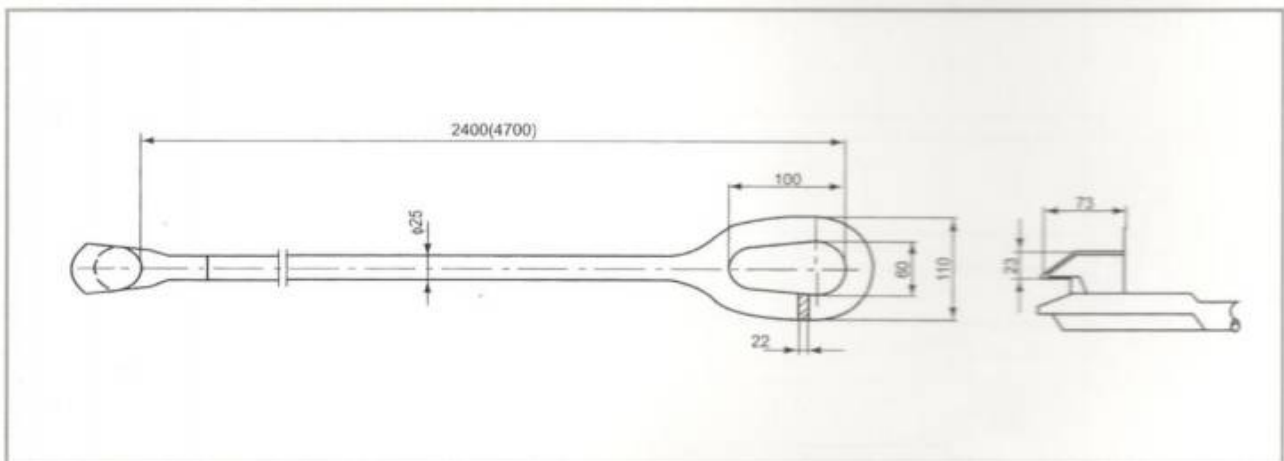
TURNBUCKLES CLOSED BODY TB-2A / TB-2B / TB-2C



ITEM	TENSION B. L (ton)	S.W.L (ton)	SHEAR B. L (ton)	WEIGHT (kg)
TB-2A/2B/2C	50	25	-	17.6 / 17.8 / 20.0

Material High tensile steel-drop forged
Finish Hot dip galvanized

LASHING BAR LB-1F



ITEM	TENSION B. L (ton)	S.W.L (ton)	SHEAR B. L (ton)	WEIGHT (kg)
LB-1F	50	25	-	11.0 / 17.0

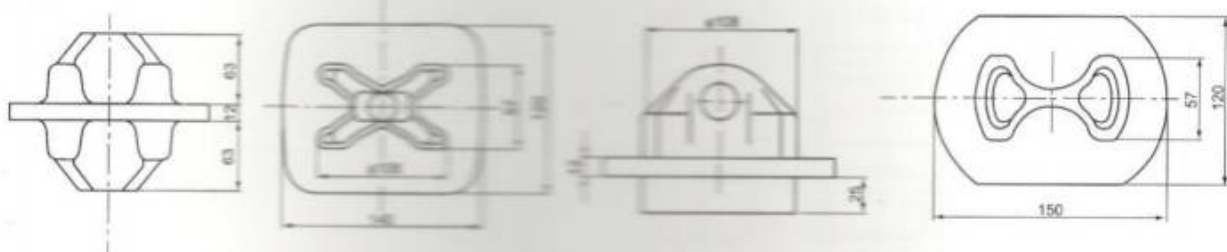
Material High tensile steel
Finish Hot dip galvanized

Material Finish	High tensile steel-drop forged Hot dip galvanized
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Technical drawing of a mechanical shaft assembly. The drawing shows a shaft with a total length of 2400 (4700). The shaft has a diameter of $\phi 25$ for most of its length. The right end features a series of steps or changes in diameter, with a final diameter of $\phi 45$. The distance between the first step and the second step is 145. The distance between the second step and the third step is 145. The distance between the third step and the fourth step is 145. The diameter of the section between the second and third steps is $\phi 26$.

Material	High tensile steel
Finish	Hot dip galvanized

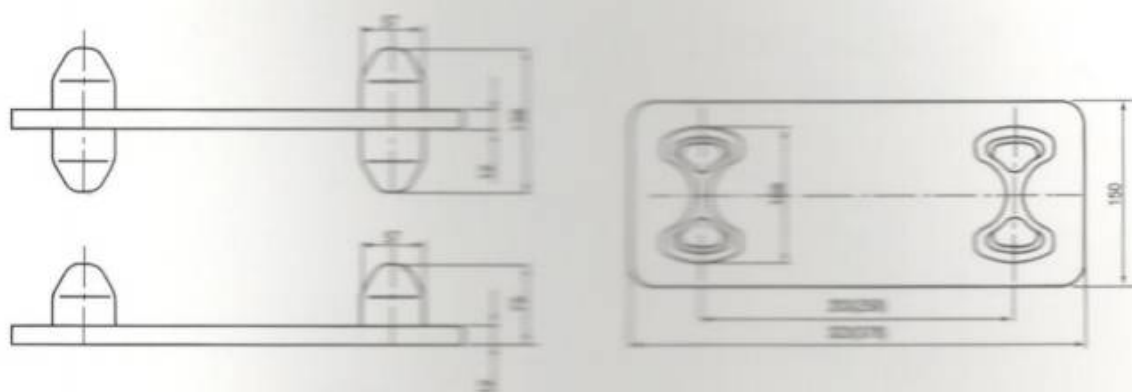
SINGLE STACKER SC-1A / SC-1B



ITEM	TENSION B. L. (ton)	S.M.L. (ton)	SHEAR B. L. (ton)	WEIGHT (kg)
SC-1A/SC-1B	-	-	42	3.0 / 3.2

Material Casting steel / Structural steel plates
Finish Hot dip galvanized

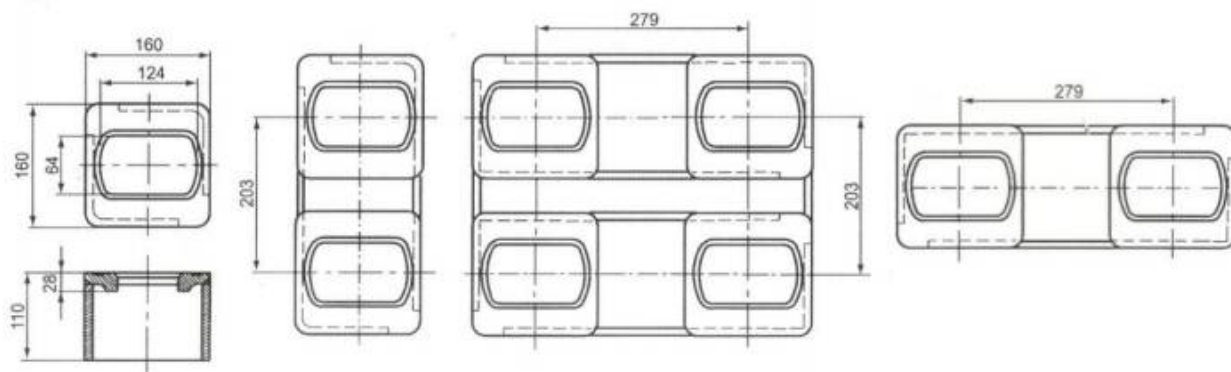
DOUBLE STACKER SC-2A / SC-2B



ITEM	TENSION B. L. (ton)	S.M.L. (ton)	SHEAR B. L. (ton)	WEIGHT (kg)
SC-2A / SC-2B	50	25	42	8.9 / 6.6

Material Casting steel / Structural steel plates
Finish Hot dip galvanized

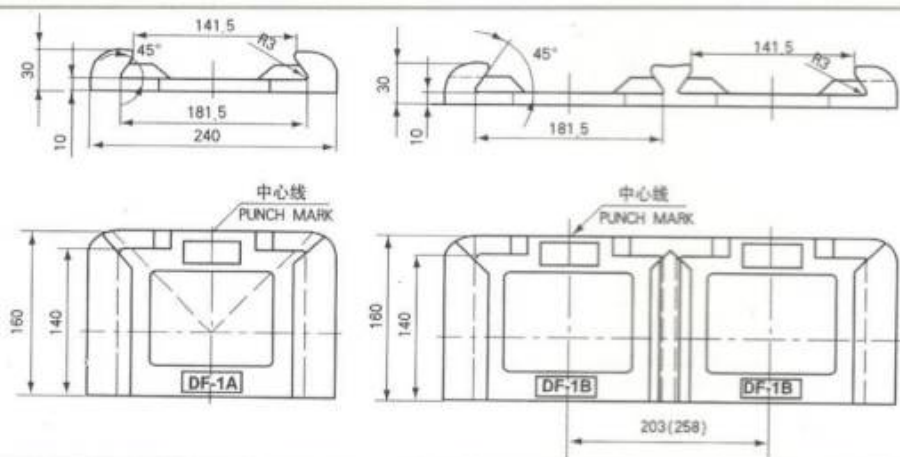
RAISED DECKSOCKET RS-1A / RS-1B / RS-1C / RS-1D



ITEM	TENSION B. L (ton)	S.W.L (ton)	SHEAR B. L (ton)	WEIGHT (kg)
RS-1A/1B/1C/1D	50	25	-	6.2/14.2/15.5/31.8

Material Ship building steel
Finish Painted

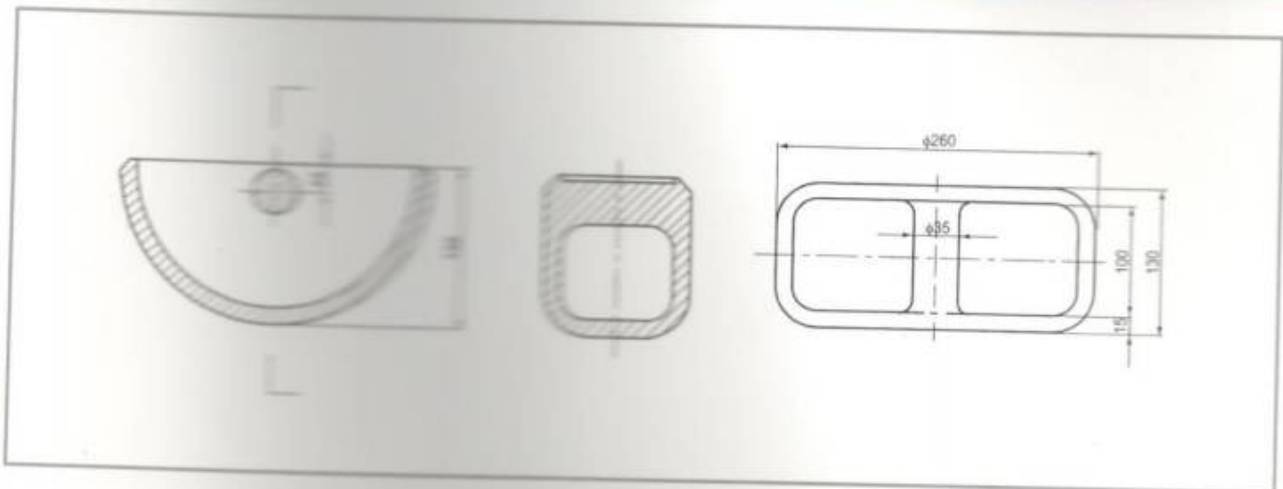
DOVETAIL FOUNDATION DF-1A / DF-1B



ITEM	TENSION B. L (ton)	S.W.L (ton)	SHEAR B. L (ton)	WEIGHT (kg)
DF-1A/DF-1B	50	25	42	4.0 / 7.5

Material Low alloy casting steel
Finish Painted

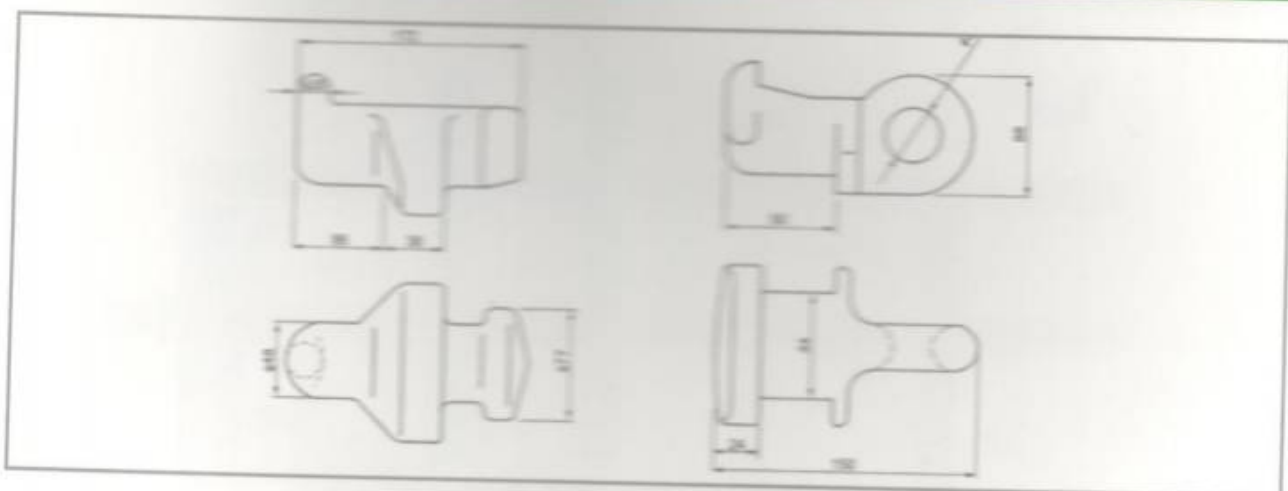
LASHING POINT LP-4



ITEM	TENSION B. L. (ton)	S.W.L. (ton)	SHEAR B. L. (ton)	WEIGHT (kg)
LP-4	50	25	-	10.5

Material Low alloy casting steel
Finish Painted

SECURING PADS SP-A / SP-B



ITEM	TENSION B. L. (ton)	S.W.L. (ton)	SHEAR B. L. (ton)	WEIGHT (kg)
SP-A/SP-B	50	25	42	2.8 / 2.4

Material High tensile steel
Finish Hot dip galvanized