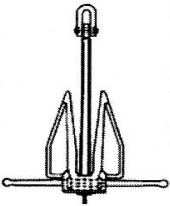
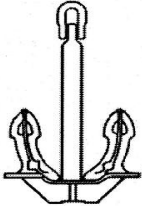
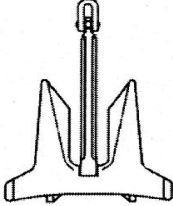
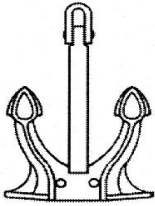

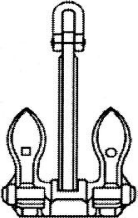
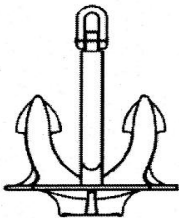
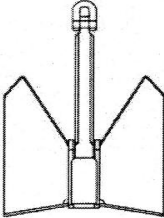
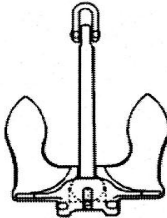
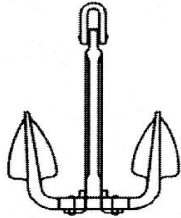
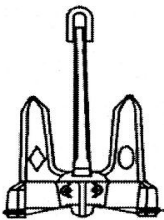
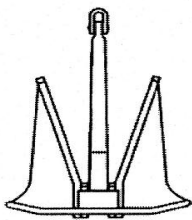
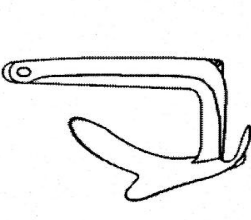
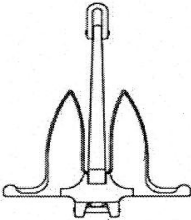
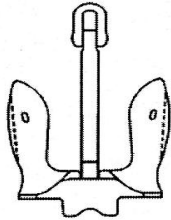
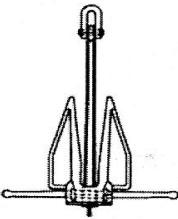
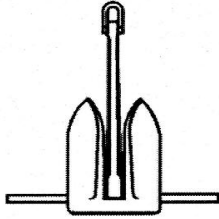
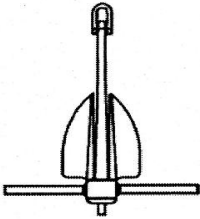
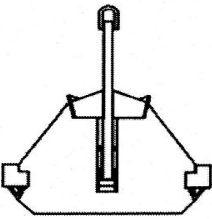
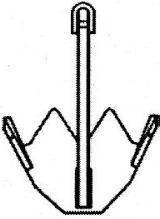
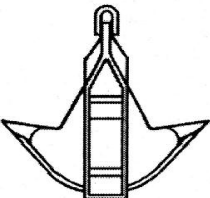
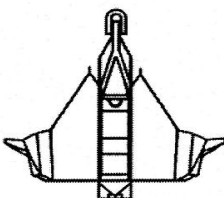
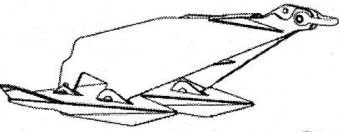
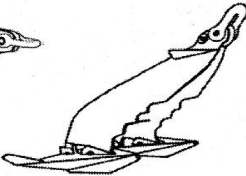
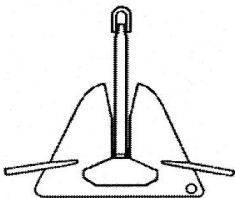
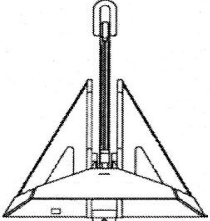
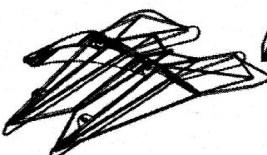
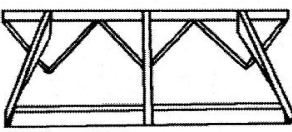
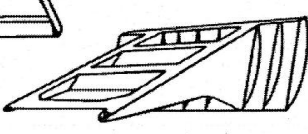
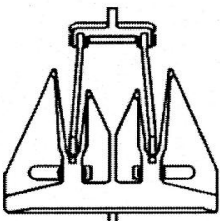


Anchor Types

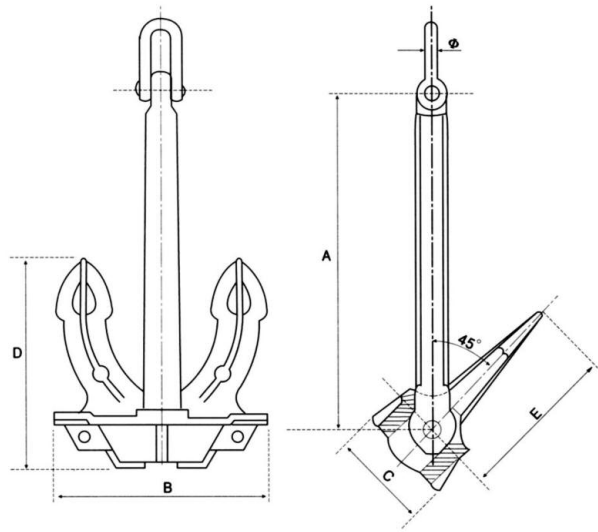
Conventional Anchors

				
Danforth	Hall	AC14	Spek	Admiral
				
Byers	Union	TW	Baldt	KLIP
				
ZY-6	D'Hone	Bruce	Snug Stowing	U.S. Navy

Offshore Operation Anchors

				
Danforth	Moorfast	L.W.T	Hook	SC12
				
FS	FT	ST	SK	SV
				
Delta	VLA	Delta Triple	Doris Mud	Norshore II

HALL STOCKLESS ANCHOR

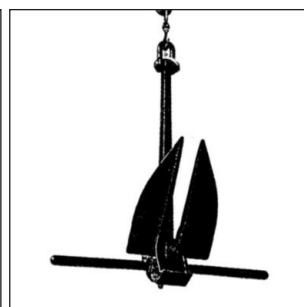
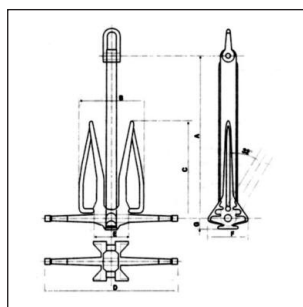


APPROX. WEIGHTS AND DIMENSIONS

Anchor Weight Kg.	Dimensions in mm					
	A	B	C	D	E	ϕ
50	575	410	184	378	300	15
75	660	480	210	429	340	15
100	723	510	230	474	375	20
125	780	550	245	511	405	20
150	835	580	264	544	430	20
180	888	625	281	578	454	20
200	915	645	290	594	470	25
225	950	670	300	622	493	25
240	985	694	312	644	510	25
275	1020	710	322	666	527	25
300	1050	738	330	685	543	30
325	1075	758	338	703	557	30
360	1100	778	346	719	570	30
400	1150	810	360	752	595	30
420	1175	826	368	767	607	30
450	1200	845	373	784	620	35
480	1220	860	380	797	630	35
500	1240	875	386	810	640	35
570	1280	904	400	837	660	40
600	1320	930	410	860	680	40
660	1360	955	420	887	700	40
700	1390	980	430	907	715	45
750	1425	1000	440	927	730	45
780	1450	1030	450	948	750	45
850	1480	1050	460	968	765	50
900	1490	1053	480	970	772	50
950	1520	1072	484	994	787	50
1020	1545	1090	496	1005	800	55
1140	1600	1126	512	1037	825	55
1200	1650	1165	530	1076	855	55
1290	1670	1180	535	1089	865	60
1350	1700	1205	550	1120	890	60
1440	1800	1245	555	1147	895	65
1590	1890	1260	565	1181	900	65
1740	1910	1290	582	1238	945	65
1920	1930	1362	616	1262	999	70
2100	2020	1407	623	1296	1020	70
2280	2040	1446	640	1332	1033	70
2460	2120	1483	667	1367	1076	75
2640	2170	1519	672	1400	1085	75

Anchor Weight Kg.	Dimensions in mm					
	A	B	C	D	E	ϕ
2850	2200	1540	700	1434	1140	75
3060	2261	1596	720	1480	1172	80
3300	2331	1636	734	1508	1180	80
3540	2335	1650	674	1528	1210	80
3780	2679	1844	733	1600	1295	80
4050	2466	1740	712	1613	1278	90
4320	2557	1790	763	1659	1290	90
4590	2784	1889	780	1709	1384	90
4890	2923	2011	804	1746	1413	100
5250	2728	1910	846	1760	1364	100
5610	2788	1952	864	1798	1394	100
6000	3270	2033	829	1878	1525	110
6450	2920	2046	906	1885	1461	110
6900	2930	2064	932	1904	1512	110
7350	3072	2150	950	1982	1536	120
7800	3113	2179	965	2008	1556	120
8300	3208	2246	995	2070	1604	120
8700	3253	2270	1005	2097	1626	130
8900	3268	2275	1012	2108	1634	130
9300	3301	2311	1023	2129	1650	130
9900	3330	2360	1045	2175	1686	140
10200	3338	2372	1070	2186	1694	140
10500	3438	2407	1075	2217	1719	140
11100	3502	2452	1086	2259	1751	140
11700	3565	2495	1105	2295	1780	150
12300	3600	2520	1140	2325	1800	150
12900	3681	2577	1141	2374	1840	150
13500	3738	2616	1159	2411	1869	160
14100	3793	2655	1176	2446	1896	160
14700	3845	2690	1190	2480	1925	160
15400	3880	2716	1210	2502	1940	170
16100	3964	2775	1229	2557	1982	170
16900	4030	2820	1250	2600	2015	170
17800	4099	2869	1270	2644	2049	180
18800	4175	2920	1295	2690	2085	180
20000	4262	2985	1320	2750	2130	180
21500	4365	3055	1355	2815	2180	200
23000	4485	3125	1385	2880	2230	200
24500	4560	3190	1415	2940	2280	200
26000	4651	3255	1442	2999	2325	220
27500	4720	3315	1470	3055	2370	220
29000	4825	3375	1495	3110	2410	220

DANFORTH ANCHOR, High Holding Power



APPROX. WEIGHTS AND DIMENSIONS

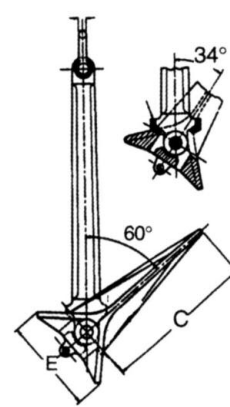
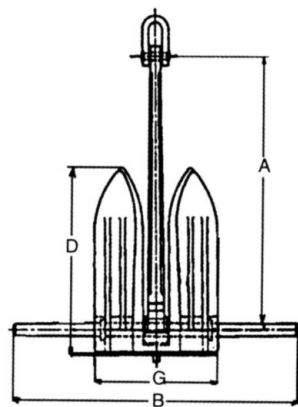
Anchor Weight Kg.	Dimensions in mm							
	lbs	A	B	C	D	E	F	G
225	500	1600	665	975	1340	310	325	85
340	750	1720	720	1000	1480	368	370	95
455	1000	1830	760	1100	1580	395	410	110
680	1500	1955	815	1180	1690	425	475	135
910	2000	2100	900	1275	1820	490	525	140
1135	2500	2260	930	1350	2140	510	560	145
1360	3000	2390	990	1440	2260	540	595	150
1820	4000	2640	1050	1590	2550	585	660	170
2270	5000	2780	1170	1650	2700	600	710	175
2730	6000	2960	1200	1780	2810	640	750	205
3180	7000	3120	1260	1880	2960	675	790	215
3635	8000	3260	1320	1960	3090	700	825	225
4080	9000	3380	1370	2040	3210	730	860	235
4540	10000	3510	1420	2100	3330	755	890	240
5445	12000	3730	1510	2240	3540	805	945	255
6350	14000	3920	1590	2360	3720	745	995	270
7260	16000	4100	1660	2470	4000	885	1040	280
8160	18000	4270	1730	2560	4080	920	1080	295
9075	20000	4370	1770	2620	4150	945	1110	300
11345	25000	4710	1910	2820	4470	1020	1195	325
13620	30000	5000	2025	3000	4750	1080	1270	345

OFFDRILL ANCHOR

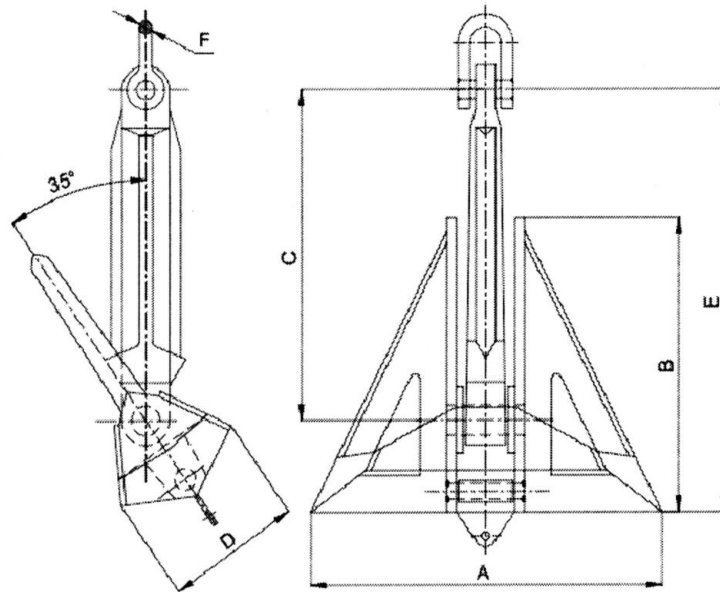
HIGH HOLDING POWER

APPROX. WEIGHTS AND DIMENSIONS

Anchor Weight Kg.	Dimensions in mm					
	A	B	C	D	E	G
454	1545	1900	920	1095	480	645
1360	2230	2770	1330	1580	690	930
2721	2570	3630	1530	1820	795	1071
3628	3095	3890	1840	2190	960	1290
4535	3335	4000	1985	2360	1032	1390
5443	3540	4250	2110	2505	1095	1475
6350	3730	4500	2220	2640	1155	1555
7256	3900	4750	2320	2760	1205	1625
9080	4200	5000	2500	2975	1300	1750
13606	4810	5335	2860	3405	1490	2005



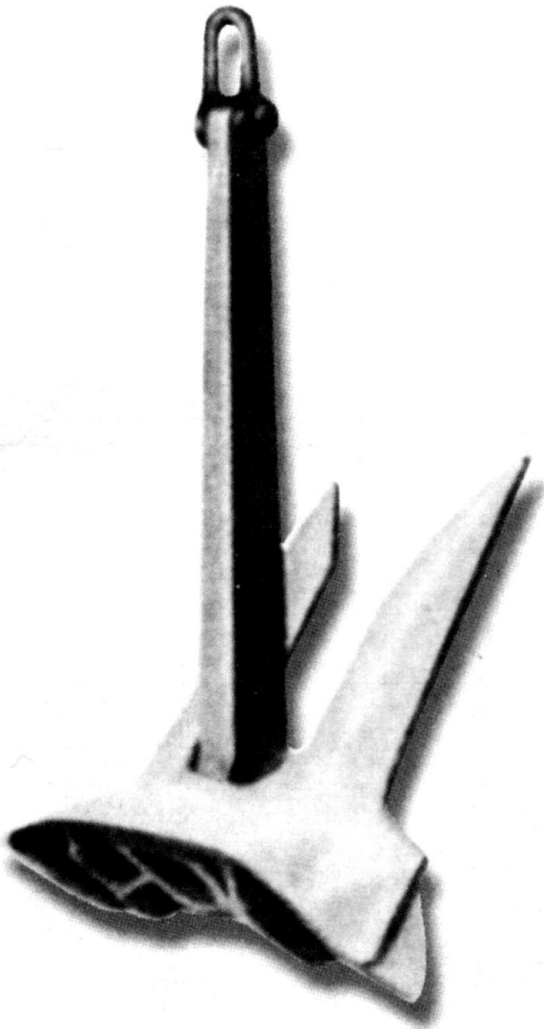
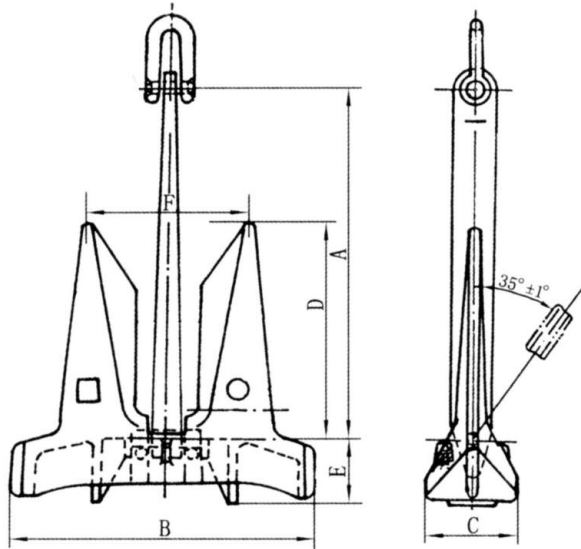
FABRICATED HHP ANCHOR



Anchor Weight (Kg)	Dimensions(mm)					
	A	B	C	D	E	F
300	1,200	960	1,080	457	1,380	45
500	1,500	1,200	1,350	571	1,725	50
1,000	1,875	1,500	1,686	714	2,155	62
1,080	1,915	1,530	1,686	722	2,200	62
2,000	2,363	1,890	2,124	900	2,715	74
3,000	2,700	2,160	2,430	1,028	3,105	90
4,000	2,975	2,360	2,676	1,133	3,420	100
5,000	3,250	2,600	2,922	1,238	3,735	110
7,000	3,575	2,860	3,216	1,360	4,110	117
9,000	3,950	3,160	3,555	1,504	4,543	135
10,000	4,100	3,280	3,690	1,561	4,715	140
12,000	4,490	3,575	4,030	1,695	5,320	145
13,500	4,670	3,720	4,195	1,765	5,535	150
15,000	4,845	3,875	4,355	1,830	5,735	150
18,000	5,140	4,080	4,610	1,940	6,080	160
20,000	5,330	4,260	4,790	2,010	6,310	170
22,500	5,490	4,360	4,905	2,060	6,470	180
25,000	5,740	4,590	5,106	2,165	6,795	180
27,500	5,980	4,765	5,365	2,245	7,095	180

(AC-14) HHP STOCKLESS ANCHOR

mm



NOMINAL WEIGHT	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	455	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	518	1152	343	915
1710	1925	1745	532	1184	352	940
1845	1975	1785	546	1215	362	965
1980	2020	1830	560	1242	370	985
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	2655	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	2646	810	1796	535	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	2166	645	1720
11100	3589	3252	994	2207	657	1752
11700	3650	3308	1010	2245	668	1782
12300	3712	3364	1028	2283	680	1812
12900	3772	3418	1044	2320	690	1842
13500	3830	3470	1060	2355	700	1870
14100	3885	3520	1076	2389	710	1896
14700	3940	3570	1090	2423	721	1924
15400	4002	3626	1108	2461	732	1954
16100	4062	3680	1125	2498	744	1982
16900	4128	3740	1144	2538	755	2016
17800	4200	3806	1162	2583	769	2050
18800	4277	3875	1185	2630	783	2088
20000	4366	3956	1210	2685	800	2132

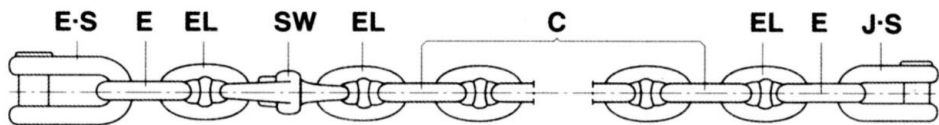
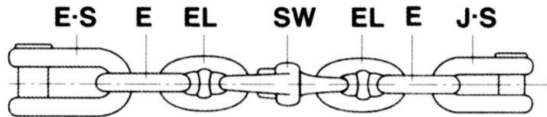
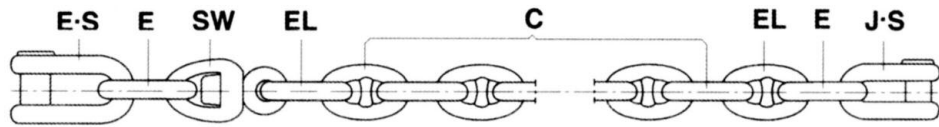
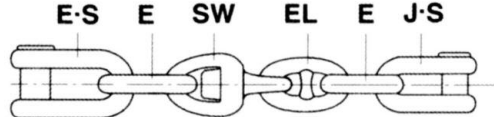
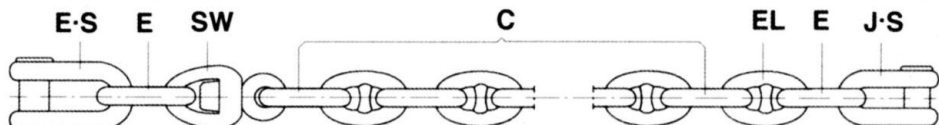
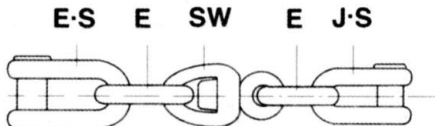
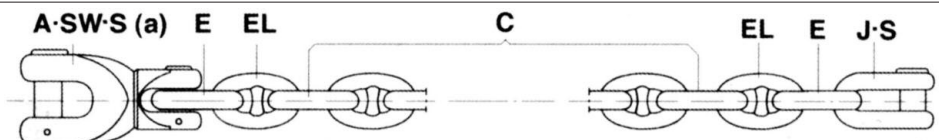
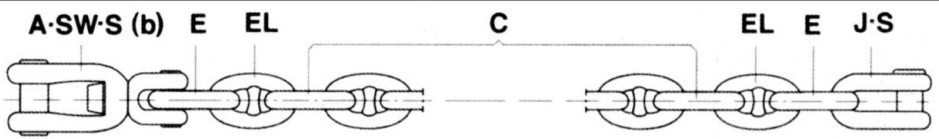
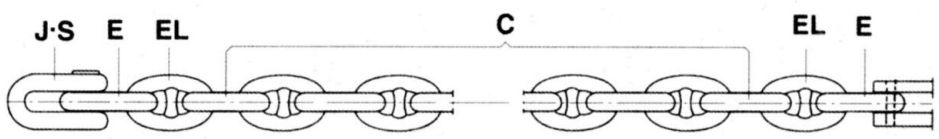
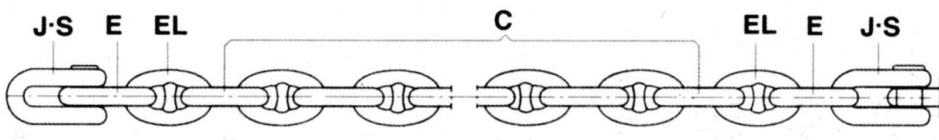
JOINING FORMS OF ANCHOR CHAIN

A. JOINING FORMS FOR K.S.

A1	
A2	
A3	
A4	
A5	
A6	
A7	
A8	
A9	
A10	
A11	
A12	

JOINING FORMS OF ANCHOR CHAIN

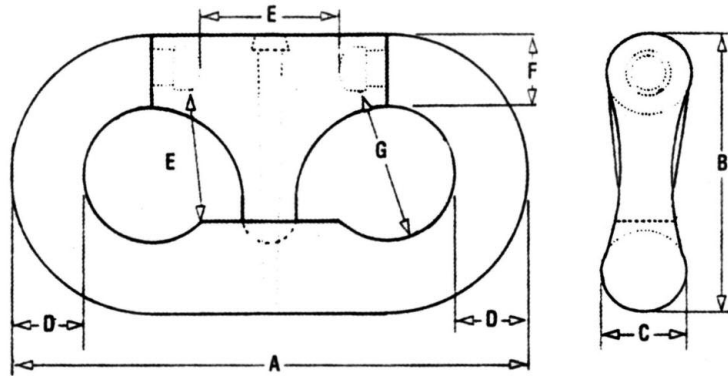
A. JOINING FORMS FOR “D” J.S

B1	
B2	
B3	
B4	
B5	
B6	
B7	
B8	
B9	
B10	

As the dimensions of the anchor ring are not standardized pls check in every case the anchor ring can be fitted into E.S (A.SW. S)

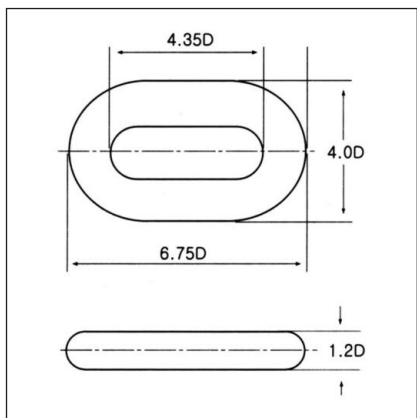
ANCHOR CHAIN

Connecting Links Sea Detachable Chain Connecting Links

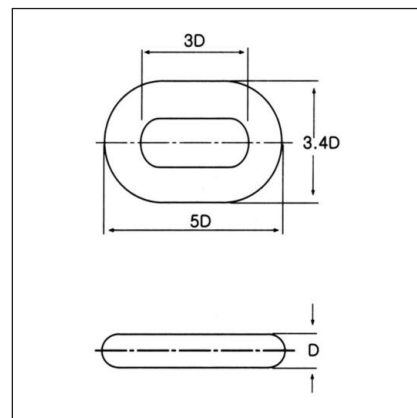


CHAIN SIZE		A MM	B MM	C MM	D MM	E MM	F MM	G	WEIGHT		PROOF TEST KGF	BREAK TEST KGF
MM	INCHES								kg	lbs		
27-29	1-1/6 - 1-1/8	172	114	40	29	32	35	19	3.3	7.3	49200	70400
30-32	1-3/16 - 1-1/4	191	123	44	32	36	39	21	4.6	10.0	59500	84900
33-35	1-5/16 - 1-3/8	210	140	48	35	40	43	23	6.2	13.7	70700	101300
36-38	1-7/16 - 1-1/2	229	152	53	38	43	47	26	4.9	17.4	83300	118900
40-42	1-9/16 - 1-5/8	248	165	57	42	47	50	28	10.0	22.0	102000	143400
43-44	1-11/16 - 1-3/4	267	178	62	45	50	56	30	12.5	27.6	111900	159900
46-48	1-13/16 - 1-7/8	286	191	64	48	55	60	32	14.5	32.0	130000	185100
50-51	1-15/16 - 2	305	197	64	51	59	64	34	16.3	35.9	145400	207700
52-54	2-1/16 - 2-1/8	324	209	67	54	63	68	36	20.0	44.1	162000	231500
56-58	2-3/16 - 2-1/4	343	222	71	58	66	71	38	23.6	52.0	185400	265000
59-60	2-5/16 - 2-3/8	364	235	78	61	70	76	41	28.0	61.7	199600	285200
62-64	2-7/16 - 2-1/2	381	246	79	64	74	79	43	32.2	71.0	223000	319000
66-67	2-9/16 - 2-5/8	400	259	83	67	77	83	45	37.0	81.6	242900	347000
68-70	2-11/16 - 2-3/4	419	271	87	70	81	87	47	45.0	99.2	263500	376400
71-73	2-13/16 - 2-7/8	438	283	91	73	85	91	49	49.0	108.0	285000	407000
75-76	2-15/16 - 3	457	296	95	76	88	95	51	55.0	121.0	308200	440200
78-79	3-1/16 - 3-1/8	476	308	99	79	92	99	53	63.0	139.0	332100	474500
81-83	3-3/16 - 3-1/4	495	320	103	83	96	103	55	73.0	161.0	360400	514800
84-86	3-5/16 - 3-3/8	514	333	107	86	99	107	57	80.0	176.0	384400	549100
87-89	3-7/16 - 3-1/2	533	345	111	89	103	111	60	93.0	205.0	409000	584300
90-92	3-9/16 - 3-5/8	553	357	115	92	107	115	62	97.6	215.0	434800	621200
94-95	3-11/16 - 3-3/4	572	370	119	95	111	119	64	116.2	256.0	462300	660100
97-98	3-13/16 - 3-7/8	591	382	128	98	114	123	66	123.0	271.0	490000	700000
100-102	3-15/16 - 4	610	394	132	102	118	127	68	131.0	289.0	522100	746000

End Link



Studless Link

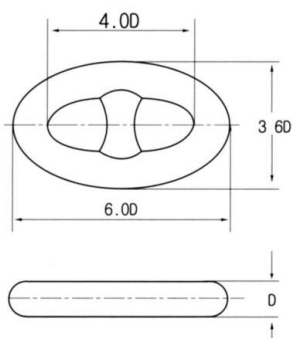


ANCHOR CHAIN

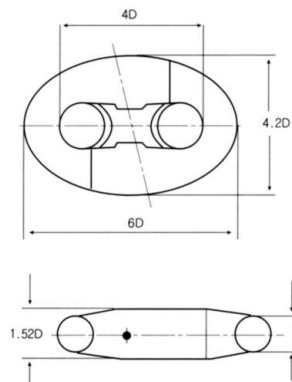
DRAWINGS OF PRODUCTS

(Dimension = dia x D)

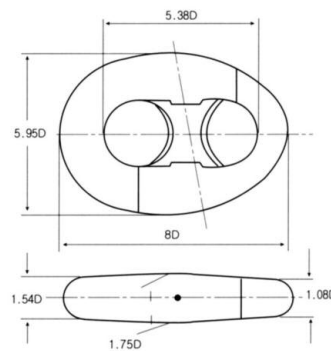
Common Link



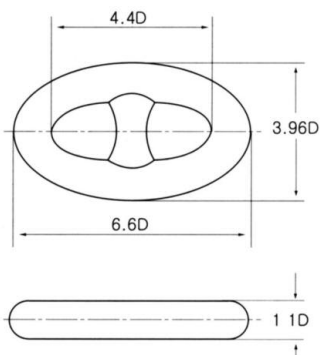
Joining Shackle type Kenter



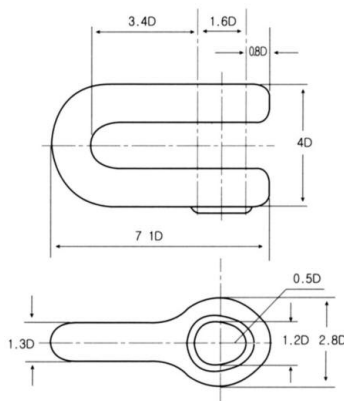
Pear Joining Shackle type Kenter



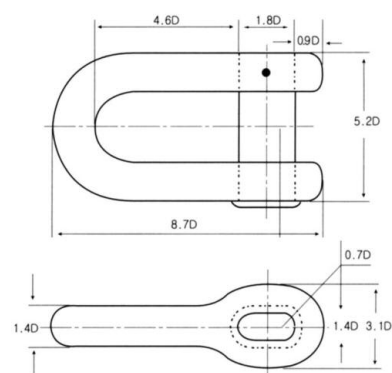
Enlarged Link



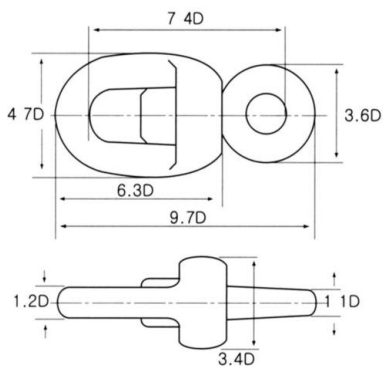
Joining Shackle type D



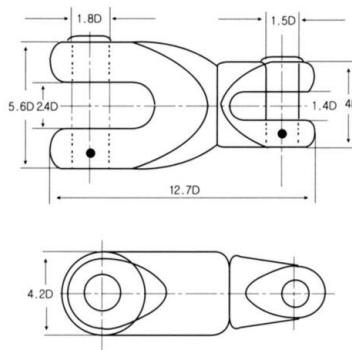
End Shackle type D



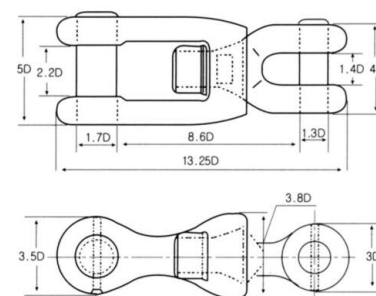
Swivel(SW)



Anchor Swivel Shackle
A.SW.S(a)



Anchor Swivel Shackle
A.SW.S(b)



TESTING LOAD

TESTING LOAD OF STUD LINK ANCHOR CHAIN AND ACCESSORIES

Chain Diameter	Grade 2		Grade 3		Approx. mass (27.5m)	Chain Diameter	Grade 2		Grade 3		Approx. mass (27.5m)
	Proof load	Breaking load	Proof load	Breaking load			Proof load	Breaking load	Proof load	Breaking load	
	C=1422	C=1991	C=1991	C=2844			C=1422	C=1991	C=1991	C=2844	
in	Lbf	Lbf	Lbf	Lbf	Lb	in	Lbf	Lbf	Lbf	Lbf	Lb
9/16	19300	27000	27000	38600	282	2 1/2	346000	484000	484000	692000	5576
5/8	23700	33200	33200	47500	348	2 9/16	363000	507000	507000	726000	5859
11/16	28600	40100	40100	57300	422	2 5/8	379000	530000	530000	758000	6147
3/4	34000	47600	47600	68000	502	2 11/16	396000	554000	554000	792000	6444
13/16	39800	55700	55700	79500	589	2 3/4	413000	578000	578000	826000	6746
7/8	46000	64400	64400	91800	683	2 13/16	431000	603000	603000	816000	7062
15/16	52600	73700	73700	105000	784	2 7/8	449000	628000	628000	897000	7374
1	59700	83600	83600	119500	892	2 15/16	467000	654000	654000	934000	7700
1 1/16	67200	94100	94100	135000	1007	3	485000	678000	679000	970000	8029
1 1/8	75000	105000	105000	150000	1129	3 1/16	504000	705000	705000	1008000	8372
1 3/16	83400	116500	116500	167000	1259	3 1/8	523000	732000	732000	1046000	8714
1 1/4	92200	129000	129000	184000	1395	3 3/16	542000	759000	759000	1084000	9065
1 5/16	101500	142000	142000	203000	1538	3 1/4	562000	787000	787000	1124000	9424
1 3/8	111000	155000	155000	222000	1688	3 5/16	582000	814000	814000	1163000	9789
1 7/16	120500	169000	169000	241000	1845	3 3/8	602000	843000	843000	1204000	10159
1 1/2	131000	183500	183500	262000	2009	3 7/16	622000	871000	871000	1244000	10537
1 9/16	142000	198500	198500	274000	2177	3 1/2	643000	900000	900000	1285000	10924
1 5/8	153000	214000	214000	306000	2355	3 9/16	664000	929000	929000	1327000	11300
1 11/16	166500	229000	229000	327000	2540	3 5/8	685000	958000	958000	1369000	11321
1 3/4	176000	247000	247000	352000	2732	3 3/4	728000	1019000	1019000	1455000	12000
1 13/16	188500	264000	264000	377000	2930	3 7/8	772000	1080000	1080000	1543000	12900
1 7/8	201000	281000	281000	402000	3135	3 15/16	794000	1111000	1111000	1587000	13300
1 15/16	214000	299000	299000	427000	3349	4	816000	1143000	1143000	1632000	13700
2	227000	318000	318000	454000	3567	4 1/8	862000	1207000	1207000	1724000	14600
2 1/16	241000	337000	337000	482000	3795	4 1/4	908000	1272000	1272000	1817000	15400
2 1/8	255000	357000	357000	510000	4028	4 3/8	956000	1338000	1338000	1911000	16200
2 3/16	269000	377000	377000	538000	4268	4 1/2	1004000	1405000	1405000	2008000	17100
2 1/4	284000	396000	396000	570000	4516	4 5/8	1053000	1474000	1474000	2105000	18000
2 5/16	299000	418000	418000	598000	4771	4 3/4	1102000	1543000	1543000	2204000	18900
2 3/8	314000	440000	440000	628000	5032	4 7/8	1153000	1613000	1613000	2305000	19900
2 7/16	330000	462000	462000	660000	5300	5	1203000	1685000	1685000	2704000	20900

Note: Test load(in 1bf)= $cxd^2(44-2.032d)$

One inch=25.4mm One fathoms=1.83m

One 1b=0.4536kg