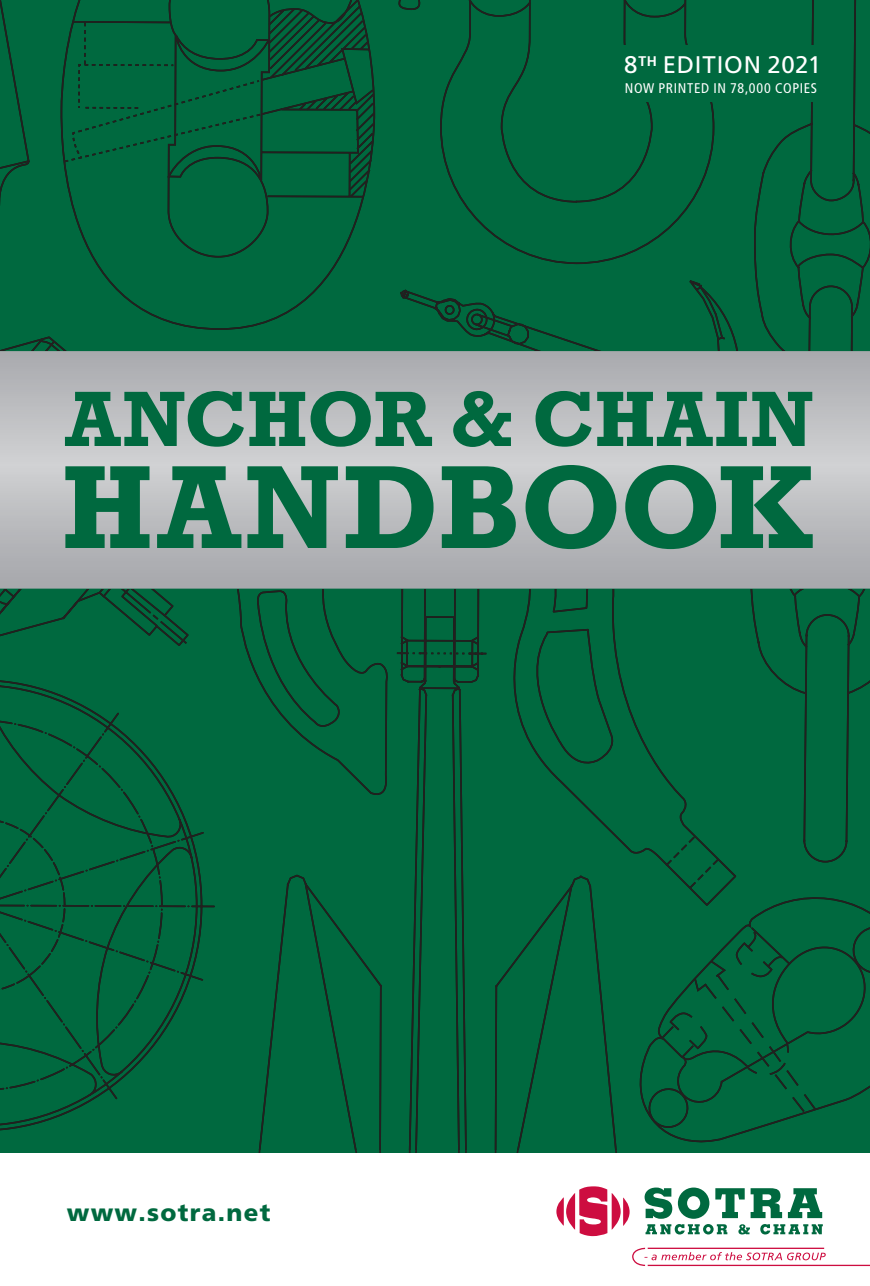


The background of the cover is a dark green field filled with white line drawings of various mechanical and engineering components. These include gears, shafts, pulleys, and structural parts, rendered in a technical, schematic style. Some parts have dashed lines indicating hidden internal features.

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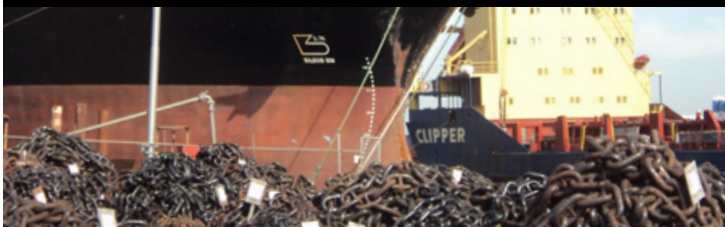
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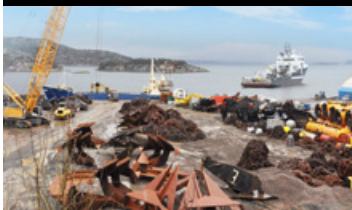
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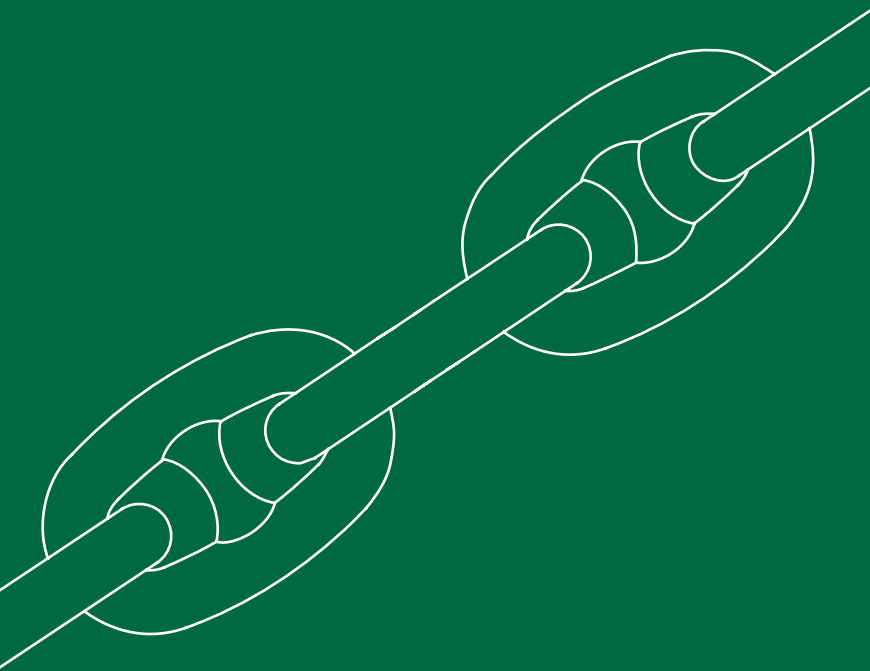
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TABLES



STRENGTH FOR STUD LINK ANCHOR CHAIN CABLES

Chain diameter		Grade 1		Grade 2		Grade 3		Number of links per 27.5 mtr
inches	mm	Proof Load kN	Break Load kN	Proof Load kN	Break Load kN	Proof Load kN	Break Load kN	
1/2	12.5	46	66	66	92	-	-	549
9/16	14	58	82	82	116	-	-	491
5/8	16	76	107	107	150	-	-	429
11/16	17.5	89	127	127	179	-	-	391
3/4	19	105	150	150	211	-	-	357
13/16	20.5	123	175	175	244	244	349	331
7/8	22	140	200	200	280	280	401	309
15/16	24	167	237	237	332	332	476	283
1	26	194	278	278	389	389	556	261
1 1/8	28	225	321	321	449	449	642	243
1 3/16	30	257	368	368	514	514	735	225
1 1/4	32	291	417	417	583	583	833	211
1 5/16	34	328	468	468	655	655	937	199
1 7/16	36	366	523	523	732	732	1050	189
1 1/2	38	406	581	581	812	812	1160	179
1 9/16	40	448	640	640	896	896	1280	169
1 5/8	42	492	703	703	981	981	1400	161
1 3/4	44	538	769	769	1080	1080	1540	155
1 13/16	46	585	837	837	1170	1170	1680	147
1 7/8	48	635	908	908	1270	1270	1810	141
2	50	686	981	981	1370	1370	1960	135
2 1/16	52	739	1060	1060	1480	1480	2110	131
2 1/8	54	794	1140	1140	1590	1590	2270	125
2 3/16	56	851	1220	1220	1710	1710	2430	121
2 5/16	58	909	1290	1290	1810	1810	2600	117
2 3/8	60	969	1380	1380	1940	1940	2770	113
2 7/16	62	1030	1470	1470	2060	2060	2940	109
2 1/2	64	1100	1560	1560	2190	2190	3130	105
2 5/8	66	1160	1660	1660	2310	2310	3300	103
2 11/16	68	1230	1750	1750	2450	2450	3500	99
2 3/4	70	1290	1840	1840	2580	2580	3690	97
2 7/8	73	1390	1990	1990	2790	2790	3990	93
3	76	1500	2150	2150	3010	3010	4300	89
3 1/16	78	1580	2260	2260	3160	3160	4500	87
3 3/16	81	1690	2410	2410	3380	3380	4820	83
3 5/16	84	1800	2580	2580	3610	3610	5160	81
3 7/16	87	1920	2750	2750	3850	3850	5500	77
3 9/16	90	2050	2920	2920	4090	4090	5840	75
3 5/8	92	2130	3040	3040	4260	4260	6080	73
3 3/4	95	2260	3230	3230	4510	4510	6440	71
3 13/16	97	2340	3340	3340	4680	4680	6690	71
3 15/16	100	2470	3530	3530	4940	4940	7060	67
4	102	2560	3660	3660	5120	5120	7320	67
4 1/8	105	2700	3850	3850	5390	5390	7700	65
4 3/16	107	2790	3980	3980	5570	5570	7960	63
4 3/8	111	2970	4250	4250	5940	5940	8480	61
4 1/2	114	3110	4440	4440	6230	6230	8890	59
4 5/8	117	3260	4650	4650	6510	6510	9300	57
4 3/4	120	3400	4850	4850	6810	6810	9720	57
4 13/16	122	3500	5000	5000	7000	7000	9990	55
4 7/8	124	3600	5140	5140	7200	7200	10280	55
5	127	3750	5350	5350	7490	7490	10710	53
5 1/8	130	3900	5570	5570	7800	7800	11140	53
5 3/16	132	4000	5720	5720	8000	8000	11420	51
5 3/8	137	4260	6080	6080	8510	8510	12160	49

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

STRENGTH FOR STUD LINK ANCHOR CHAIN CABLES

Chain diameter		ORQ		R3		R3S		Number of links per 27.5 mtr
inches	mm	Proof Load kN	Break Load kN	Proof Load kN	Break Load kN	Proof Load kN	Break Load kN	
2 1/8	54	1620	2441	1805	2580	2083	2881	125
2 3/16	56	1735	2615	1933	2764	2231	3086	121
2 5/16	58	1854	2794	2066	2953	2383	3297	117
2 3/8	60	1976	2978	2201	3147	2540	3514	113
2 7/16	62	2101	3166	2341	3347	2701	3737	109
2 1/2	64	2230	3360	2484	3551	2867	3965	105
2 5/8	66	2361	3559	2631	3761	3036	4200	103
2 11/16	68	2496	3762	2782	3976	3209	4440	99
2 3/4	70	2634	3970	2935	4196	3387	4685	97
2 7/8	73	2847	4291	3172	4535	3660	5064	93
3	76	3066	4621	3417	4884	3942	5454	89
3 1/16	78	3216	4847	3584	5123	4135	5720	87
3 3/16	81	3446	5194	3840	5490	4431	6130	83
3 5/16	84	3683	5550	4104	5866	4735	6550	81
3 7/16	87	3925	5916	4374	6252	5046	6981	77
3 9/16	90	4173	6289	4650	6647	5365	7422	75
3 5/8	92	4342	6544	4838	6916	5582	7722	73
3 3/4	95	4599	6932	5125	7326	5913	8180	71
3 13/16	97	4774	7195	5319	7604	6138	8490	71
3 15/16	100	5040	7596	5616	8028	6480	8964	67
4	102	5220	7868	5817	8315	6712	9285	67
4 1/8	105	5495	8282	6123	8753	7065	9773	65
4 3/16	107	5681	8561	6330	9048	7304	10103	63
4 3/8	111	6058	9130	6750	9650	7789	10775	61
4 1/2	114	6346	9565	7071	10109	8159	11287	59
4 5/8	117	6639	10005	7397	10574	8535	11807	57
4 3/4	120	6935	10452	7728	11047	8916	12334	57
4 13/16	122	7135	10753	7950	11365	9173	12690	55
4 7/8	124	7336	11057	8175	11686	9432	13048	55
5	127	7641	11516	8515	12171	9824	13591	53
5 1/8	130	7950	11981	8858	12663	10221	14139	53
5 3/16	132	8157	12294	9089	12993	10488	14508	51
5 3/8	137	8682	13085	9674	13829	11162	15441	49
5 5/8	142	9214	13887	10267	14677	11847	16388	47
5 3/4	147	9753	14700	10868	15536	12540	17347	47
6	152	10299	15522	11476	16405	13241	18317	45
6 3/16	157	10850	16352	12089	17282	13949	19297	43
6 3/8	162	11405	17188	12708	18166	14663	20284	43
	165	11739	17639	13081	18699	15094	20879	41
	168	12075	18199	13455	19234	15525	21477	41
	171	12412	18707	13831	19771	15959	22076	41
	175	12863	19386	14333	20488	16538	22877	39
	178	13201	19896	14709	21027	16972	23479	39
	180	13427	20236	14961	21387	17263	23880	39
	185	13991	21087	15590	22286	17989	24884	37
	188	14330	21597	15968	22825	18424	25487	37
	191	14668	22107	16345	23364	18859	26089	35
	194	15006	22617	16721	23903	19294	26690	35
	197	15344	23125	17097	24440	19727	27290	35
	200	15680	23632	17472	24976	20160	27888	33
	205	16238	24474	18094	25866	20878	28881	33

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

STRENGTH FOR STUD LINK ANCHOR CHAIN CABLES

Chain diameter		R4		R4S		R5		Number of links per 27.5 mtr
inches	mm	Proof Load kN	Break Load kN	Proof Load kN	Break Load kN	Proof Load kN	Break Load kN	
2 1/8	54	2499	3170	2777	3517	2904	3703	125
2 3/16	56	2677	3396	2974	3768	3111	3966	121
2 5/16	58	2860	3628	3178	4025	3323	4237	117
2 3/8	60	3048	3867	3387	4290	3542	4516	113
2 7/16	62	3242	4112	3602	4562	3767	4802	109
2 1/2	64	3440	4364	3822	4841	3997	5096	105
2 5/8	66	3643	4621	4048	5127	4233	5397	103
2 11/16	68	3851	4885	4279	5420	4475	5706	99
2 3/4	70	4064	5156	4516	5720	4723	6021	97
2 7/8	73	4392	5572	4881	6182	5104	6507	93
3	76	4731	6001	5257	6658	5498	7009	89
3 1/16	78	4962	6295	5514	6984	5766	7351	87
3 3/16	81	5317	6745	5908	7484	6179	8777	83
3 5/16	84	5682	7208	6313	7997	6602	8418	81
3 7/16	87	6056	7682	6729	8523	7037	8971	77
3 9/16	90	6439	8167	7154	9062	7482	9539	75
3 5/8	92	6699	8497	7443	9428	7784	9924	73
3 3/4	95	7096	9001	7884	9987	8246	10512	71
3 13/16	97	7365	9343	8184	10366	8559	10911	71
3 5/16	100	7776	9864	8640	10944	9036	11520	67
4	102	8054	10217	8949	11336	9359	11932	67
4 1/8	105	8478	10754	9420	11932	9851	12560	65
4 3/16	107	8764	11118	9738	12335	10184	12984	63
4 3/8	111	9347	11856	10385	13154	10861	13847	61
4 1/2	114	9791	12420	10879	13780	11378	14506	59
4 5/8	117	10242	12993	11380	14415	11902	15174	57
4 3/4	120	10700	13573	11889	15059	12434	15852	57
4 13/16	122	11008	13964	12231	15493	12792	16308	55
4 7/8	124	11319	14358	12576	15930	13153	16768	55
5	127	11789	14955	13099	16592	13700	17466	53
5 1/8	130	12265	15559	13628	17262	14253	18171	53
5 3/16	132	12585	15965	13984	17713	14625	18645	51
5 3/8	137	13395	16992	14883	18852	15565	19844	49
5 5/8	142	14216	18033	15796	20008	16520	21061	47
5 3/4	147	15048	19089	16720	21179	17487	22294	47
6	152	15890	20156	17655	22363	18464	23540	45
6 3/16	157	16739	21234	18599	23559	19452	24799	43
6 3/8	162	17596	22320	19551	24764	20447	26068	43
	165	18112	22976	20125	25491	21047	26833	41
	168	18631	23633	20701	26221	21649	27601	41
	171	19150	24292	21278	26952	22253	28371	41
	175	19845	25174	22050	27930	23061	29400	39
	178	20367	25836	22630	28665	23667	30173	39
	180	20715	26278	23017	29155	24072	30689	39
	185	21586	27838	23985	30381	25084	31980	37
	188	22109	28046	24565	31116	25691	32754	37
	191	22631	28708	25146	31851	26298	33527	35
	194	23152	29369	25725	32585	26904	34300	35
	197	23673	30029	26303	33317	27509	35071	35
	200	24192	30688	26880	34048	28112	35840	33
	205	25054	31781	27837	35261	29113	37116	33

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

WEIGHT FOR STUD LINK ANCHOR CHAIN

Diam	Stud link Chain Weights		Common Link	Enlarged Link	End Link	Joining Shackle Kenter	Anchor Shackle Type D	Swivel	Swivel Shackle type A	Complete Swivel-Forerunner
mm	Kgs/mtr	Kgs/27,5 mtr	Kgs	Kgs	Kgs	Kgs	Kgs	Kgs	Kgs	Kgs
12.5	3.5	96	0.17	0.23	0.23	0.39	1.1	0.9	—	1.76
14	4.4	121	0.24	0.32	0.36	0.51	1.3	1.3	—	2.52
16	5.8	160	0.36	0.50	0.51	0.62	1.6	1.7	—	3.57
17.5	7.0	193	0.47	0.74	0.68	0.82	2.0	2.1	—	4.73
19	8.1	223	0.60	0.88	0.89	1.00	2.5	2.5	9.0	5.75
20.5	10.0	275	0.75	1.10	1.13	1.35	3.3	3.1	11.3	7.18
22	11.1	305	0.93	1.25	1.28	1.6	4.0	3.5	13.9	8.21
24	13.3	366	1.21	1.70	1.77	2.0	5.0	5.0	18.1	11.38
26	15.7	432	1.55	2.15	2.20	2.7	6.0	6.0	23.9	14.05
28	18.3	503	1.9	2.8	2.9	3.3	8.0	7.5	29.6	17.90
30	21.0	578	2.4	3.2	3.3	3.9	9.5	9.0	35.4	21.1
32	23.9	657	2.9	3.9	4.0	4.6	12.0	11.0	44.6	25.7
34	27.0	743	3.4	4.7	5.0	5.8	14.0	13.5	53.7	31.3
36	30.2	831	4.0	5.5	5.9	6.6	17.0	16.0	62.9	36.9
38	33.7	927	4.7	6.1	6.8	7.8	20.0	19.0	71.9	42.7
40	37.1	1020	5.5	7.1	8.0	9.1	23.0	23.0	85.9	50.7
42	40.5	1114	6.4	8.4	9.6	10.5	26.0	27.0	100.0	59.8
44	44.3	1218	7.4	10.0	11.2	12.2	29.0	32.0	114.0	70.6
46	48.5	1334	8.5	11.5	13.0	14.0	33	37.0	128.0	81.5
48	52.8	1452	9.8	13.1	15.0	16.0	37	44.0	147.5	95.0
50	57	1568	11	15	17	18	41	57	167.0	115
52	62	1705	13	17	20	20	45	57	186.5	124
54	66	1815	14	19	22	20	50	67	206.0	141
56	71	1953	16	21	23	24	54	67	232.5	148
58	77	2118	17	23	25	28	65	80	259.0	168
60	83	2283	19	25	27	28	70	95	285.5	191
62	88	2420	21	28	30	33	76	95	312.0	202
64	94	2585	23	31	34	38	82	112	345.0	231
66	100	2750	25	34	38	38	94	130	378.7	261
68	107	2943	27	37	42	44	101	130	412.0	273
70	114	3135	30	40	45	44	108	152	451.2	307
73	124	3410	34	45	52	51	124	172	510.0	348
76	135	3713	39	50	59	58	141	194	575.0	392
78	142	3905	42	55	63	65	150	194	623.4	409
81	154	4235	46	61	70	74	171	220	696.0	458
84	166	4565	52	68	78	84	193	242	776.0	508
87	178	4895	58	75	86	94	218	270	867.5	564
90	189	5198	64	82	95	105	243	300	959.0	623
92	199	5473	68	88	100	105	256	325	1020.0	669
95	211	5803	75	98	112	115	290	350	1123.0	733
97	220	6050	80	102	120	135	305	350	1196.0	754
100	234	6435	88	112	130	150	335	385	1310.0	827
102	243	6683	93	120	138	150	350	420	1397.3	891
107	266	7315	109	140	158	175	410	495	1615.5	1042
111	287	7893	120	160	175	200	445	535	1792.0	1150
114	304	8360	130	173	193	225	475	570	1959.1	1239
117	317	8718	142	185	210	225	505	610	2126.1	1332
122	345	9488	160	210	235	267	550	650	2404.6	1465
127	375	10313	182	235	260	315	600	720	2683.0	1632
132	400	11000	205	260	305	370	675	760	3095.4	1790
137	436	11990	230	285	330	390	750	900	3507.9	2030
142	467	12843	255	325	375	450	900	1100	3920.3	2380
147	489	13723	280	395	410	505	1055	1200	4332.7	2680
152	535	14713	310	410	460	545	1200	1400	4745.1	2990
157	570	15675	345	455	510	605	1340	1550	5157.6	3315
162	610	16775	375	500	560	660	1450	1700	5570.0	3635

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

STUDLESS CHAIN

STUDLESS CHAIN, GRADE 2 & GRADE 3

Diameter	Inside pitch	Weight per mtr	Breakload grade 2	Breakload grade 3	Length	Surface treatment
13 mm	45 × 18 mm	3,5 Kgs	98 kN		50 mtr	Tarred / Galv
16 mm	99 × 32 mm	4,5 Kgs	132,5 kN	184,8 kN	50 mtr	Tarred / Galv
19 mm	119 × 34 mm	6,3 Kgs	187 kN	260,6 kN	100 mtr	Tarred / Galv
22 mm	127 × 34 mm	8,6 Kgs	290 kN	349,4 kN	100 mtr	Tarred / Galv
24 mm	96 × 36 mm	11,5 Kgs	298,9 kN	415,8 kN	100 mtr	Tarred / Galv
26 mm	104 × 39 mm	14 Kgs	350,8 kN	488 kN	100 mtr	Tarred / Galv
28 mm	112 × 42 mm	16 Kgs	405,9 kN	566 kN	50/55 mtr	Tarred / Galv
30 mm	120 × 45 mm	18,5 Kgs	467,5 kN	649,8 kN	50/55 mtr	Tarred / Galv
32 mm	128 × 48 mm	20,5 Kgs	530,9 kN	739,3 kN	50/55 mtr	Tarred / Galv
36 mm	144 × 54 mm	26,5 Kgs	672,3 kN	935,7 kN	50/55 mtr	Tarred / Galv
40 mm	160 × 60 mm	32 Kgs	829,1 kN	1155,2 kN	50/55 mtr	Tarred / Galv
50 mm	200 × 75 mm	52 Kgs	1239,6 kN	1805 kN	50/55 mtr	Tarred / Galv
60 mm	240 × 90 mm	71 Kgs	1857,6 kN	2598 kN	50/55 mtr	Tarred / Galv

Note: Breakingload for hot dip galvanized chain will normally be reduced by approximate 15%.

STUDLESS CHAIN, GRADE 70

Diameter	Inside pitch	Weight per mtr	Breakload	Length	Surface treatment
10 mm	60 × 20 mm	1,75 Kgs	91,2 kN	100 mtr	Galvanized
13 mm	81 × 22 mm	2,9 Kgs	184,95 kN	50 mtr	Galvanized
16 mm	100 × 26 mm	4,3 Kgs	279,98 kN	50 mtr	Galvanized
19 mm	100 × 28 mm	6,5 Kgs	395,01 kN	50 mtr	Galvanized
22 mm	120 × 32 mm	8,5 Kgs	529,95 kN	50 mtr	Galvanized
25 mm	140 × 41 mm	11,2 Kgs	684,99 kN	50 mtr	Galvanized
28 mm	150 × 37 mm	14 Kgs	860,04 kN	50/100 mtr	Galvanized

Note: Breakingload for hot dip galvanized chain will normally be reduced by approximate 15%.
European made.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

EQUIPMENT TABLE

Equipment Number	Equipment Letter			Weight per Anchor (Kgs)	H.H.P (Kgs)	Total length of chain (mtr)	Diameter		
	LR	ABS	DNVGL				Grade 1	Grade 2	Grade 3
50 – 69	A	U1	a	180	135	220	14	12.5	-
70 – 89	B	U2	b	240	180	220	16	14	-
90 – 109	C	U3	c	300	225	247.5	17.5	16	-
110 – 129	D	U4	d	360	270	247.5	19	17.5	-
130 – 149	E	U5	e	420	315	275	20.5	17.5	-
150 – 174	F	U6	f	480	360	275	22	19	-
175 – 204	G	U7	g	570	430	302.5	24	20.5	-
205 – 239	H	U8	h	660	495	302.5	26	22	20.5
240 – 279	I	U9	i	780	585	330	28	24	22
280 – 319	J	U10	j	900	675	357.5	30	26	24
320 – 359	K	U11	k	1020	765	357.5	32	28	24
360 – 399	L	U12	l	1140	855	385	34	30	26
400 – 449	M	U13	m	1290	970	385	36	32	28
450 – 499	N	U14	n	1440	1080	412.5	38	34	30
500 – 549	O	U15	o	1590	1195	412.5	40	34	30
550 – 599	P	U16	p	1740	1305	440	42	36	32
600 – 659	Q	U17	q	1920	1440	440	44	38	34
660 – 719	R	U18	r	2100	1575	440	46	40	36
720 – 779	S	U19	s	2280	1710	467.5	48	42	36
780 – 839	T	U20	t	2460	1845	467.5	50	44	38
840 – 909	U	U21	u	2640	1980	467.5	52	46	40
910 – 979	V	U22	v	2850	2140	495	54	48	42
980 – 1059	W	U23	w	3060	2295	495	56	50	44
1060 – 1139	X	U24	x	3300	2475	495	58	50	46
1140 – 1219	Y	U25	y	3540	2655	522.5	60	52	46
1220 – 1299	Z	U26	z	3780	2835	522.5	62	54	48
1300 – 1389	A+	U27	A	4050	3040	522.5	64	56	50
1390 – 1479	B+	U28	B	4320	3240	550	66	58	50
1480 – 1569	C+	U29	C	4590	3445	550	68	60	52
1570 – 1669	D+	U30	D	4890	3670	550	70	62	54
1670 – 1789	E+	U31	E	5250	3940	577.5	73	64	56
1790 – 1929	F+	U32	F	5610	4210	577.5	76	66	58
1930 – 2079	G+	U33	G	6000	4500	577.5	78	68	60
2080 – 2229	H+	U34	H	6450	4840	605	81	70	62
2230 – 2379	I+	U35	I	6900	5175	605	84	73	64
2380 – 2529	J+	U36	J	7350	5515	605	87	76	66
2530 – 2699	K+	U37	K	7800	5850	632.5	90	78	68
2700 – 2869	L+	U38	L	8300	6225	632.5	92	81	70
2870 – 3039	M+	U39	M	8700	6525	632.5	95	84	73
3040 – 3209	N+	U40	N	9300	6975	660	97	84	76
3210 – 3399	O+	U41	O	9900	7425	660	100	87	78
3400 – 3599	P+	U42	P	10500	7875	660	102	90	78
3600 – 3799	Q+	U43	Q	11100	8325	687.5	105	92	81
3800 – 3999	R+	U44	R	11700	8775	687.5	107	95	84
4000 – 4199	S+	U45	S	12300	9225	687.5	111	97	87
4200 – 4399	T+	U46	T	12900	9675	715	114	100	87
4400 – 4599	U+	U47	U	13500	10125	715	117	102	90
4600 – 4799	V+	U48	V	14100	10575	715	120	105	92
4800 – 4999	W+	U49	W	14700	11025	742.5	122	107	95
5000 – 5199	X+	U50	X	15400	11550	742.5	124	111	97
5200 – 5499	Y+	U51	Y	16100	12075	742.5	127	111	97
5500 – 5799	Z+	U52	Z	16900	12675	742.5	130	114	100
5800 – 6099	A*	U53	A*	17800	13350	742.5	132	117	102
6100 – 6499	B*	U54	B*	18800	14100	742.5	137	120	107
6500 – 6899	C*	U55	C*	20000	15000	770	-	124	111
6900 – 7399	D*	U56	D*	21500	16125	770	-	127	114
7400 – 7899	E*	U57	E*	23000	17250	770	-	132	117
7900 – 8399	F*	U58	F*	24500	18375	770	-	137	122
8400 – 8899	G*	U59	G*	26000	19500	770	-	142	127
8900 – 9399	H*	U60	H*	27500	20625	770	-	147	132
9400 – 10000	I*	U61	I*	29000	21750	770	-	152	132

Note: For intermediate values of equipment number use equipment complement in sizes and weights given for the lower equipment number in the table.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not hold responsible for any deviate between tables and delivered equipment.

PROOF LOAD TESTS FOR ANCHORS

Mass of H.H.P. anchor in Kgs	Mass of anchor in Kgs	Proof test load in kN	Mass of H.H.P. anchor in Kgs	Mass of anchor in Kgs	Proof test load in kN	Mass of H.H.P. anchor in Kgs	Mass of anchor in Kgs	Proof test load in kN
38	50	23,2	1654	2200	376,0	5865	7800	861,0
41	55	25,2	1729	2300	388,0	6015	8000	877,0
45	60	27,1	1805	2400	401,0	6165	8200	892,0
49	65	28,9	1880	2500	414,0	6316	8400	908,0
53	70	30,7	1955	2600	427,0	6466	8600	922,0
56	75	32,4	2030	2700	438,0	6617	8800	936,0
60	80	33,9	2105	2800	450,0	6767	9000	949,0
68	90	36,3	2180	2900	462,0	6917	9200	961,0
75	100	39,1	2256	3000	474,0	7068	9400	975,0
90	120	44,3	2331	3100	484,0	7218	9600	987,0
105	140	49,0	2406	3200	495,0	7368	9800	998,0
120	160	53,3	2481	3300	506,0	7519	10000	1010,0
135	180	57,4	2556	3400	517,0	7895	10500	1040,0
150	200	61,3	2632	3500	528,0	8271	11000	1070,0
169	225	65,8	2707	3600	537,0	8647	11500	1090,0
188	250	70,4	2782	3700	547,0	9023	12000	1110,0
207	275	74,9	2857	3800	557,0	9399	12500	1130,0
226	300	79,5	2932	3900	567,0	9774	13000	1160,0
244	325	84,1	3008	4000	577,0	10150	13500	1180,0
263	350	88,8	3083	4100	586,0	10526	14000	1210,0
282	375	93,4	3158	4200	595,0	10902	14500	1230,0
301	400	97,9	3233	4300	604,0	11278	15000	1260,0
320	425	103,0	3308	4400	613,0	11654	15500	1270,0
338	450	107,0	3383	4500	622,0	12030	16000	1300,0
357	475	112,0	3459	4600	631,0	12406	16500	1330,0
376	500	116,0	3534	4700	638,0	12782	17000	1360,0
414	550	125,0	3609	4800	645,0	13158	17500	1390,0
451	600	132,0	3684	4900	653,0	13534	18000	1410,0
489	650	140,0	3759	5000	661,0	13910	18500	1440,0
526	700	149,0	3835	5100	669,0	14286	19000	1470,0
564	750	158,0	3910	5200	677,0	14662	19500	1490,0
602	800	166,0	3985	5300	685,0	15038	20000	1520,0
639	850	175,0	4060	5400	691,0	15414	21000	1570,0
677	900	182,0	4135	5500	699,0	15790	22000	1620,0
714	950	191,0	4211	5600	706,0	16166	23000	1670,0
752	1000	199,0	4286	5700	713,0	16542	24000	1720,0
789	1050	208,0	4361	5800	721,0	16918	25000	1770,0
827	1100	216,0	4436	5900	728,0	17294	26000	1800,0
865	1150	224,0	4511	6000	735,0	17670	27000	1850,0
902	1200	231,0	4586	6100	740,0	18046	28000	1900,0
940	1250	239,0	4662	6200	747,0	18422	29000	1940,0
977	1300	247,0	4737	6300	754,0	18798	30000	1990,0
1015	1350	255,0	4812	6400	760,0	19174	31000	2030,0
1053	1400	262,0	4887	6500	767,0	19550	32000	2070,0
1090	1450	270,0	4962	6600	773,0	19926	34000	2160,0
1128	1500	278,0	5038	6700	779,0	20302	36000	2250,0
1203	1600	292,0	5113	6800	786,0	20678	38000	2330,0
1278	1700	307,0	5188	6900	794,0	21054	40000	2410,0
1353	1800	321,0	5263	7000	804,0	21430	42000	2490,0
1429	1900	335,0	5338	7100	811,0	21806	44000	2570,0
1504	2000	349,0	5413	7200	818,0	22182	46000	2650,0
1579	2100	362,0	5488	7300	825,0	22558	48000	2730,0

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

CHAIN MECHANICAL PROPERTIES

CHAIN MECHANICAL PROPERTIES													
	R5	R4S+	R4S	VL LR IACS BV	R4 R4 R4 R4	ABS RQ4	VL LR IACS BV ABSRQ3S	R3S R3S R3S R3S	VL LR IACS BV ABSRQ3	R3 R3 R3 R3	API ORQ		Grade 3
Ultimate Tensile Strength	1000 Mpa	1000 Mpa	960 Mpa	860 Mpa		860 Mpa	770 Mpa		690 Mpa		641 Mpa		100 Ksi / 690 Mpa
Yield Strength Mpa min.	760	760	690	580		580	490		410		-		
Reduction of area %	50	50	50	50		50	50		50		40		40
Elongation % min.	12	12	12	12		12	15		17		17		17
Design temperature °C	-20	-20	-20	-20	0	-20	-20	0	-20	0	0	-15	
Impact Joules – Base material	58	50	50	50	70	50	45	65	40	60	58	40	60
Impact Joules – Weld	42	36	36	36	50	36	33	53	30	50	49	36	50

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

MEASURE AND WEIGHT

Length

1 millimeter (mm)		= 0.0394 inch
1 centimeter (cm)	= 10 mm	= 0.3937 inch
1 meter (mh)	= 100 cm	= 1.0936 yard
1 Kilometer (km)	= 1,000 mtr	= 0.6214 mile
1 inch (inch)		= 25.4 mm
1 foot (ft)	= 12 inch	= 0.3048 mtr
1 yard (yard)	= 3 ft	= 0.9144 mtr
1 mile	= 1,760 yard	= 1.6093 km
1 nautical mile		= 1.8520 km

Area

1 sq cm (cm ²)	= 100 mm ²	= 0.1550 inch ²
1 sq meter (mtr ²)	= 10,000 cm ²	= 1.1960 yard ²
1 hectare (ha)	= 10,000 mtr ²	= 2.4711 acres
1 sq km (km ²)	= 100 ha	= 0.3861 mile ²
1 sq inch (inch ²)		= 645.16 mm ²
1 sq yard (yard ²)	= 9 ft ²	= 0.8361 mtr ²
1 acre	= 4.84 yard ²	= 4,046.86 mtr ²
1 sq mile (mile ²)	= 640 acres	= 2.59 km ²

Volume/Capacity

1 cu cm (cm ³)	= 0.610 inch ³	
1 cu decimeter (cdm ³)	= 1,000 cm ³	= 0.0353 ft ³
1 cu meter (mtr ³)	= 1,000 dm ³	= 1.3080 yard ³
1 liter	= 1 dm ³	= 0.2642 US gal
1 hectoliter	= 100 ltr	= 2.8378 US bu
1 cu foot (ft ³)		= 0.0293 mtr ³
1 cu yard (yard ³)	= 27 ft ³	= 0.7646 mtr ³
1 US dry pint	= 0.9689 imp pt	= 0.5506 ltr
1 US bushel	= 64 US dry pints	= 35.2390 ltr
1 liquid pint	= 0.8327 imp pt	= 0.4732 ltr
1 US gallon	= 8 US liquid pints	= 3.7854 ltr
1 UK gallon	= 8 UK liquid pints	= 4.5460 ltr

Mass (weight)

1 gram (g)	= 1,000 mg	= 0.0353 oz
1 kilogram (kgs)	= 1,000 g	= 2.2046 lb
1 tonne (t)	= 1,000 kgs	= 1.1023 short tons
1 ounce (oz)	= 437.5 grains	= 28.35 g
1 pound (lb)	= 16 oz	= 0.4536 kgs
1 short cwt	= 100 lb	= 45.3590 kgs
1 long cwt	= 112 lb	= 50.8020 kgs
1 short ton	= 2,000 lb	= 0.9072 t
1 long ton	= 2,240 lb	= 0.016 t

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

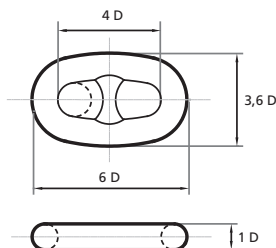
WEIGHT FOR STUD LINK AND STUDLESS CHAIN

Ø Dia.	Weight			
	Stud		Studless	
mm	kg/m	kg per link	kg/m	kg per link
19	8	0.7	7	0.6
20.5	9	0.8	8	0.7
22	11	1	10	1
24	13	1	12	1
26	15	2	14	2
28	17	2	16	2
30	20	3	18	2
32	22	3	20	3
34	25	4	23	3
36	28	4	26	4
38	32	5	29	5
40	35	6	32	6
42	39	7	35	7
44	42	8	39	8
46	46	9	42	9
48	50	11	46	10
50	55	12	50	11
52	59	14	54	12
54	64	15	58	14
56	69	17	63	15
58	74	19	67	17
60	79	21	72	19
62	84	23	77	21
64	90	25	82	23
66	95	28	87	25
68	101	30	92	28
70	107	33	98	30
73	117	37	107	34
76	126	42	116	39
78	133	46	122	42

Ø Dia.	Weight			
	Stud		Studless	
mm	kg/m	kg per link	kg/m	kg per link
81	144	51	131	47
84	155	57	141	52
87	166	63	151	58
90	177	70	162	64
92	185	75	169	69
95	198	83	181	76
97	206	88	188	80
100	219	96	200	88
102	228	102	208	93
105	241	112	221	102
107	251	118	229	108
111	270	132	246	120
114	285	143	260	130
117	300	154	274	141
120	315	167	288	152
122	326	175	298	160
124	337	184	308	168
127	353	197	323	180
130	370	212	338	194
132	382	222	348	203
137	411	248	375	226
142	442	276	403	252
147	473	306	432	280
152	506	338	462	309
157	540	373	493	341
162	575	410	525	374
165	596	433	545	396
168	618	457	564	418
171	640	482	585	440
175	671	516	613	472
178	694	543	634	497

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

MINIMUM MEAN DIAMETER FOR CHAIN CABLE



COMMON LINK

Original chain diameter	Class society (IACS)	Original chain diameter	Class society (IACS)
mm	(12 %)	mm	(12 %)
12.50	11.00	64.00	56.32
14.00	12.32	66.00	58.08
16.00	14.08	68.00	59.84
17.50	15.40	70.00	61.60
19.00	16.72	73.00	64.24
20.50	18.04	76.00	66.88
22.00	19.36	78.00	68.64
24.00	21.12	81.00	71.28
26.00	22.88	84.00	73.92
28.00	26.64	87.00	76.56
30.00	26.40	90.00	79.20
32.00	28.16	92.00	80.96
34.00	29.92	95.00	83.60
36.00	31.68	97.00	85.36
38.00	33.44	98.00	86.24
40.00	35.20	100.00	88.00
42.00	36.96	102.00	89.76
44.00	38.72	105.00	92.40
46.00	40.48	107.00	94.16
48.00	42.24	108.00	95.04
50.00	44.00	111.00	97.68
52.00	45.76	114.00	100.32
54.00	47.52	117.00	102.96
56.00	49.28	120.00	105.60
58.00	51.04	122.00	107.36
60.00	52.80	124.00	109.12
62.00	54.56		

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

RECOMENDED VOLUME OF CHAIN LOCKER

PER 100 MTR ANCHOR CHAIN

The table is based on the following formula from Germanischer Lloyd:

$$S = 1,1 \cdot d^2 \cdot \frac{l}{2} \cdot 10^{-5} [m^3]$$

S = Storage volume.

d = chain diameter

l = lenght of chain
(here divided by two,
as there are two chain
lengths [port and
starboard])

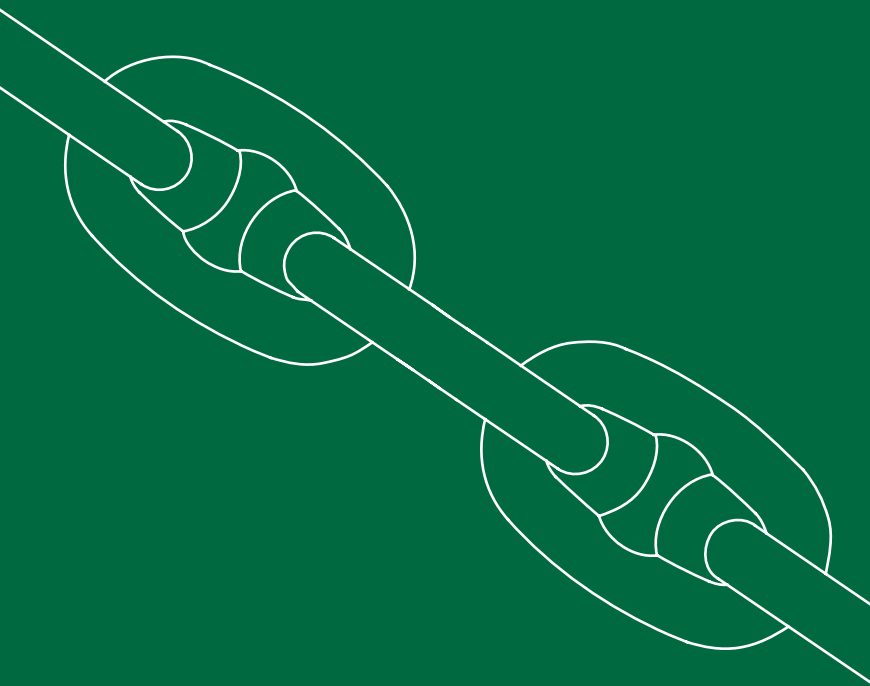
The class society rules states the following:

The chain locker shall have adequate capacity and a suitable form to provide a proper stowage of the chain cable, and an easy direct lead for the cable into the spurling pipes, when the cable is fully stowed. Port and starboard cables shall have separate spaces. If three (3) bower anchors and three (3) hawse pipes are used, there shall be three (3) separate spaces. Spurling pipes and chain lockers shall be watertight up to the weather deck.

Dia.	Volume	Dia.	Volume
mm	m ³	mm	m ³
12.5	0.17	87	8.33
14	0.22	90	8.91
16	0.28	92	9.31
17.5	0.34	95	9.93
19	0.40	97	10.35
20.5	0.46	100	11.00
22	0.53	102	11.45
24	0.64	107	12.60
26	0.75	111	13.56
28	0.86	114	14.30
30	1.00	117	15.06
32	1.13	120	15.84
34	1.27	122	16.37
36	1.43	124	16.92
38	1.59	127	17.74
40	1.76	130	18.59
42	1.94	132	19.17
44	2.13	137	20.65
46	2.33	142	22.18
48	2.54	147	23.77
50	2.75	152	25.42
52	2.98	157	27.12
54	3.21	162	28.87
56	3.45	165	29.95
58	3.70	168	31.05
60	3.96	171	32.17
62	4.23	175	33.69
64	4.51	178	34.86
66	4.79	180	35.64
68	5.09	185	37.65
70	5.39	188	38.88
73	5.86	191	40.13
76	6.36	194	41.40
78	6.70	197	42.69
81	7.22	200	44.00
84	7.76	205	46.23

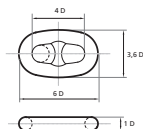
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

CHAINS

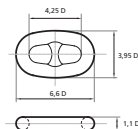


APPROXIMATE DIMENSIONS FOR CHAIN & ACCESSORIES

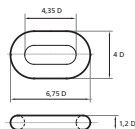
COMMON LINK



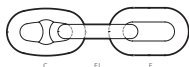
ENLARGED LINK



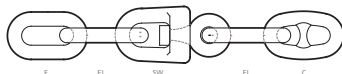
END LINK



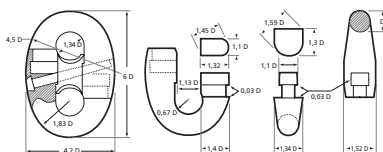
NORMAL ADAPTOR PIECE



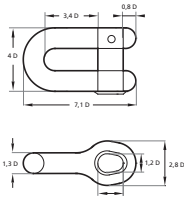
SWIVEL W/4 LINKS (FORERUNNER)



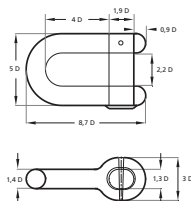
JOINING SHACKLE TYPE KENTER



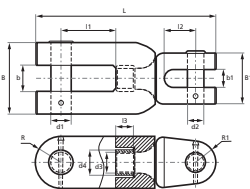
JOINING SHACKLE TYPE D



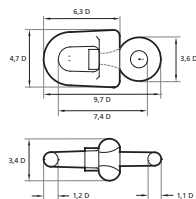
ANCHOR SHACKLE TYPE D



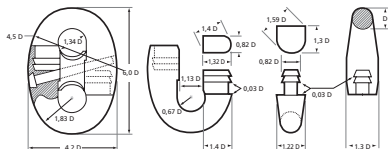
SWIVEL SHACKLE TYPE A



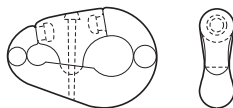
SWIVEL



SLIM CONNECTORS



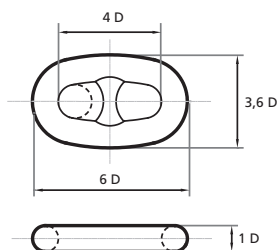
PEAR SHAPED END SHACKLE



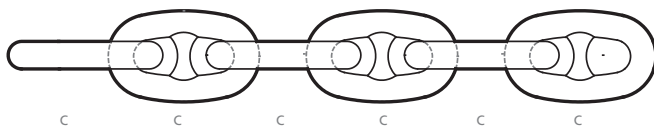
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

STUD LINK CHAIN

COMMON LINK



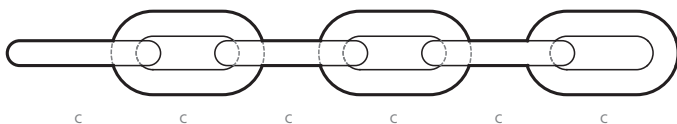
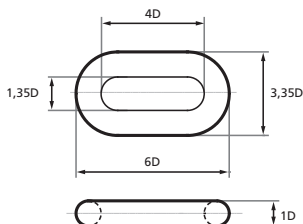
COMMON LINK



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STUDLESS CHAIN

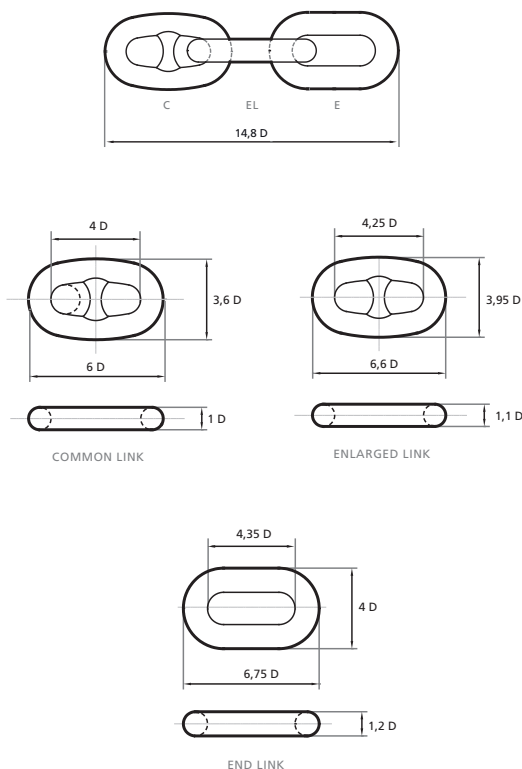
COMMON LINK



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

3 LINK ADAPTOR

STANDARD

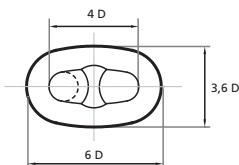
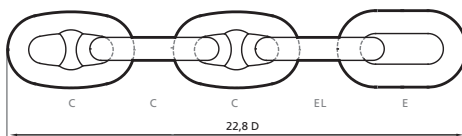


Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

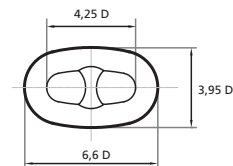
CHAIN

5 LINK ADAPTOR

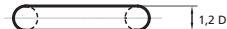
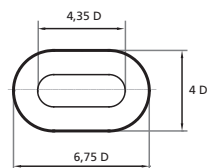
STANDARD



COMMON LINK



ENLARGED LINK



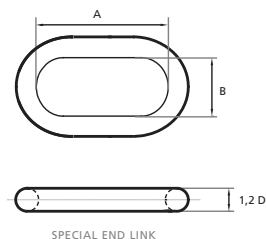
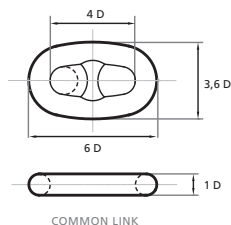
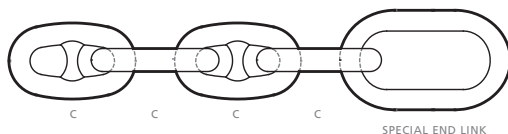
END LINK

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CHAIN

5 LINK ADAPTOR

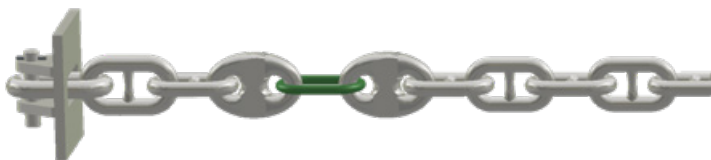
WITH SPECIAL ENDLINK



	76 mm	84 mm
A	406	502
B	189	190

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SOTRA WEAK LINK SYSTEM



Class requirements for weak link are described in the following regulations:
DNVGL-RU-SHIP-Pt3Ch11 section 2.1.5 and IACS rec. No.10 point 1.3.2 (a)

2.1.5 Provisions shall be made for securing the inboard ends of chain to the structure. This attachment shall be able to withstand a force of not less than 15% nor more than 30% of the minimum breaking strength of the chain cable. The fastening of the chain to the ship shall be made in such a way that in case of emergency when anchor and chain have to be sacrificed, the chain can be readily released from an accessible position outside the chain locker.

The challenge has been to ensure compliance with the requirement that the weak link must be installed in any anchor line, as well as the understanding of what is to be regarded as an approved solution. It is an inalienable requirement that every anchor line must have a link in the line which demonstrable breaks of between 15% and 30% of anchor line MBL. In addition, it should be possible to disconnect the anchor line from the vessel from the outside the chain locker in emergency situations.

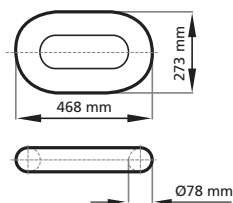
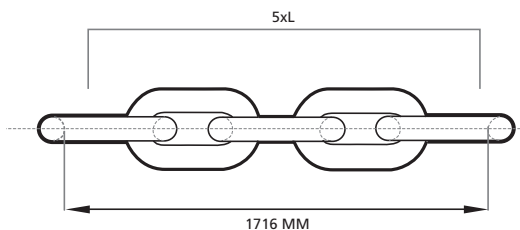
Manual disconnection will be regarded as the primary safety barrier while disconnecting the anchor and anchor line, while the weak link itself will act as a secondary safety barrier.

Sotra has now designed and produced a complete solution that we stock for all chain dimensions. This solution comes with one report from class society where exact real breaking strength is documented. Sotra weak link solution can easily be retrofitted to any vessel.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

STUDLESS ADAPTOR

5 LINK DIA 78 MM – GRADE 3

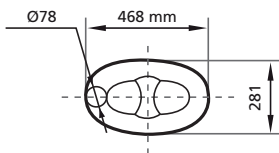
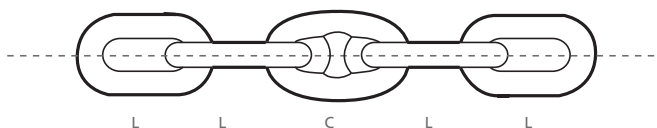


STUDLESS LINK=L

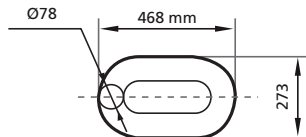
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CHAIN TAIL

STUDLESS CHAIN DIA 78 MM – GRADE 3



COMMON LINK (C)

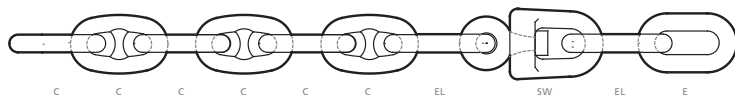


STUDLESS LINK (L)

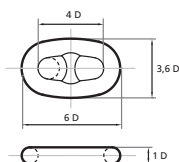
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

CHAIN WITH SWIVEL END

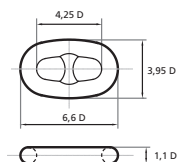
CONTINUOUS LENGTH WITH SWIVEL-FORERUNNER



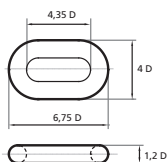
COMMON LINK



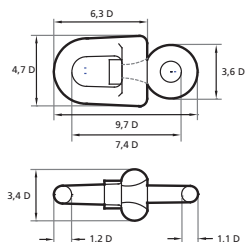
ENLARGED LINK



END LINK



SWIVEL



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CHAIN – ANCHOR CONNECTION

WITH SWIVEL-FORERUNNER

Studlink Anchor-chain
Common links



Kenter joining shackle



Swivel forerunner

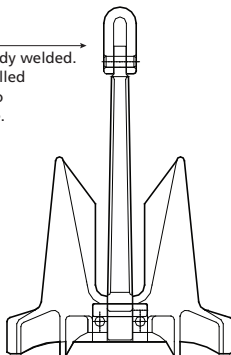


Anchor shackle type-D
-To be installed with cotter-pin
and secured by lead-plug.
Welding not allowed



Crown Shackle

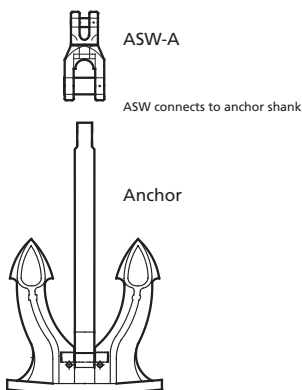
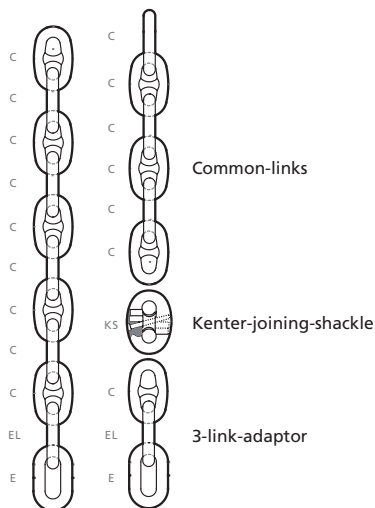
Included with anchor - ready welded.
If new crown shackle installed
bolt is to be welded acc. to
factory welding procedure.



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CHAIN – ANCHOR CONNECTION

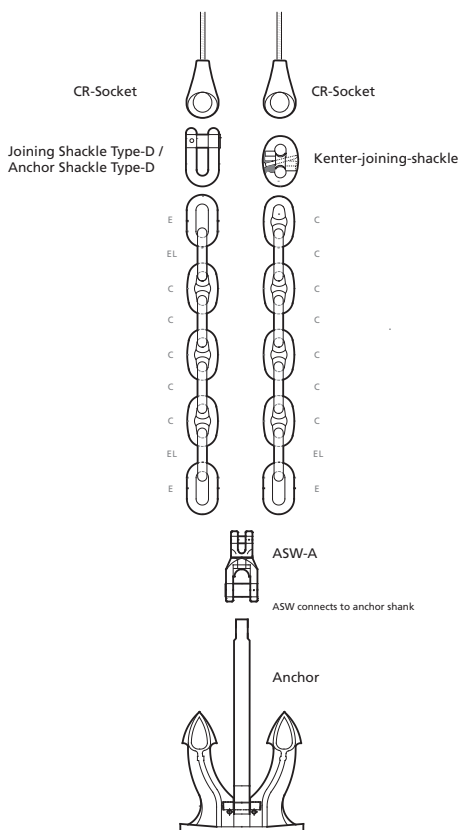
WITH ASW



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

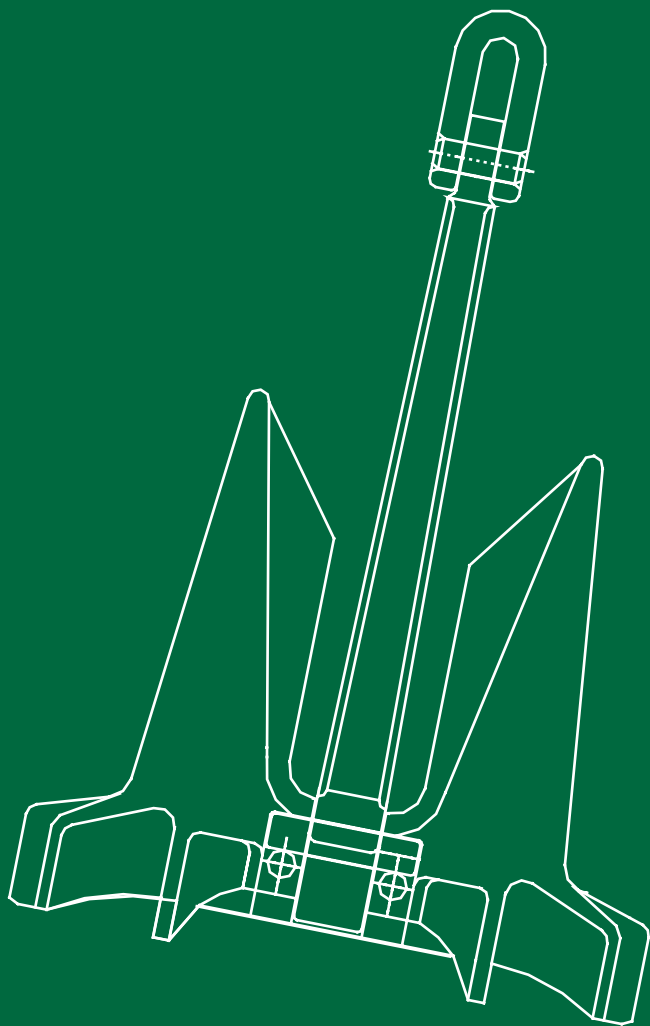
CHAIN – ANCHOR CONNECTION

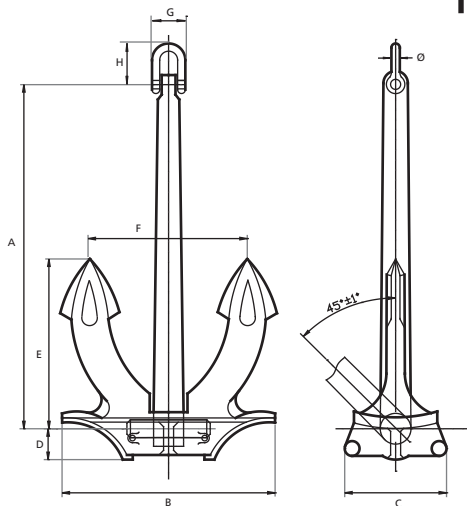
WITH ASW



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

ANCHORS

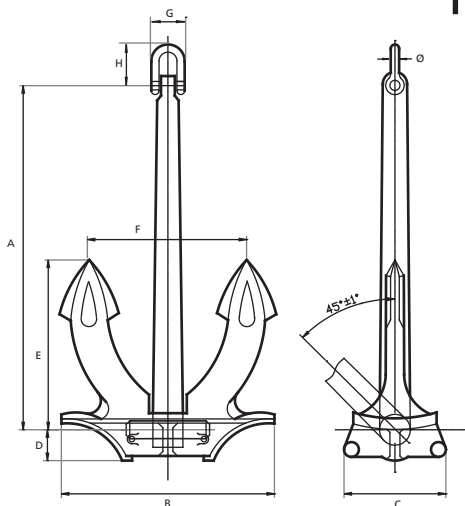




Weight	A	B	C	D	E	F	G	H	Ø
Kgs	mm	mm	mm	mm	mm	mm	mm	mm	mm
10	385	270	125	42	191	191	51	60	15
16	410	316	146	49	223	223	57	72	16
25	476	367	169	57	259	259	74	84	20
35	533	411	189	64	290	290	80	98	22
50	599	464	214	71	325	325	80	98	22
65	658	505	233	78	355	355	88	115	24
75	690	530	244	82	374	374	88	115	24
100	760	582	270	90	410	410	88	115	24
125	814	629	290	97	443	443	100	130	28
150	866	670	308	103	470	470	100	130	28
180	952	735	339	114	518	518	113	145	32
240	1019	784	361	121	552	552	125	160	36
300	1095	844	388	130	595	595	139	175	40
360	1160	898	412	138	630	630	139	175	40
420	1255	967	444	149	675	675	152	192	45
480	1300	1000	460	154	700	700	167	215	48
570	1380	1060	490	164	745	745	167	215	48
660	1422	1096	506	169	769	769	175	235	50
780	1506	1160	535	178	813	813	175	235	50
900	1580	1220	560	188	855	855	183	255	50

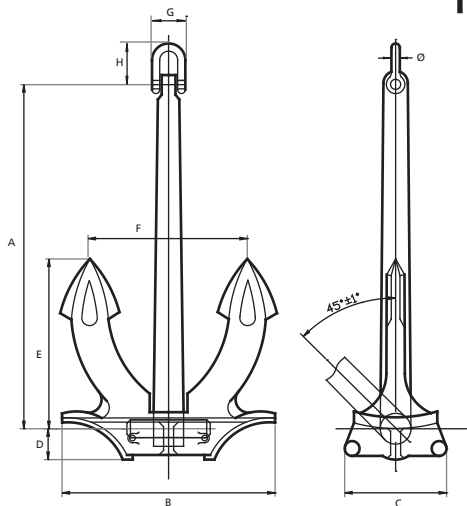
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HALL



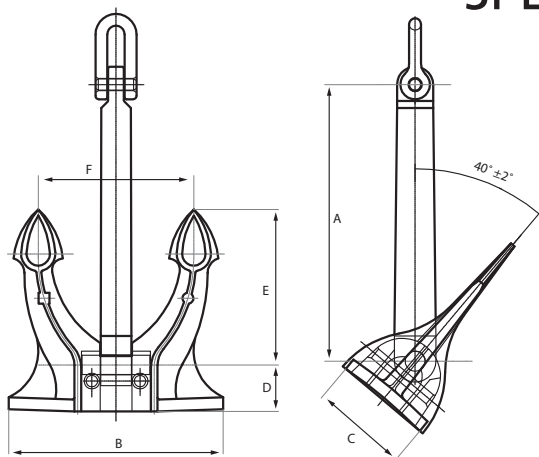
Weight Kgs	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Ø mm
1020	1645	1268	584	195	891	891	183	255	50
1140	1705	1319	605	203	926	926	-	-	-
1290	1778	1374	630	211	965	965	216	280	62
1440	1844	1430	655	219	1001	1001	-	-	-
1590	1906	1475	677	226	1035	1035	-	-	-
1740	1966	1517	698	234	1068	1068	238	310	68
1920	2031	1568	722	241	1104	1104	-	-	-
2100	2093	1614	743	249	1136	1136	-	-	-
2280	2150	1657	763	255	1165	1165	260	340	74
2460	2207	1700	784	262	1194	1194	260	340	74
2640	2259	1730	796	265	1222	1222	-	-	-
2850	2318	1787	822	275	1253	1253	-	-	-
3060	2374	1832	841	282	1283	1283	-	-	-
3300	2432	1880	862	288	1317	1317	-	-	-
3540	2490	1926	883	295	1349	1349	287	380	82
3780	2457	1965	902	302	1376	1376	-	-	-
4050	2610	2008	924	309	1406	1406	-	-	-
4320	2661	2051	943	316	1435	1435	-	-	-
4590	2712	2093	962	322	1465	1465	-	-	-
4890	2769	2135	984	329	1498	1498	346	415	100
5250	2836	2185	1008	337	1535	1535	-	-	-
5610	2899	2234	1031	345	1569	1569	-	-	-

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.



Weight Kgs	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Ø mm
6000	2965	2284	1054	352	1605	1605	350	450	100
6450	3037	2340	1080	361	1644	1644	-	-	-
6900	3100	2393	1105	369	1681	1681	370	480	110
7350	3173	2444	1129	377	1717	1717	-	-	-
7800	3235	2493	1152	385	1752	1752	380	500	110
8300	3303	2545	1176	393	1788	1788	-	-	-
8700	335	2585	1195	399	1816	1816	-	-	-
9300	3430	2643	122	408	1857	1857	-	-	-
9900	3502	2699	1248	417	1896	1896	421	580	124
10500	3571	2752	1273	425	1934	1934	-	-	-
11100	3638	2803	1297	433	1970	1970	437	600	130
11700	3702	2853	1320	441	2005	2005	-	-	-
12300	3764	2901	1342	448	2039	2039	-	-	-
12900	3824	2947	1363	455	2072	2072	-	-	-
13500	3882	2992	1384	462	2104	2104	-	-	-
14100	3939	3036	1404	469	2135	2135	-	-	-
14700	3994	3078	1424	476	2165	2165	-	-	-
15400	4056	3126	1446	483	2199	2199	498	680	150
16100	4117	3173	1468	490	2232	2232	498	680	150

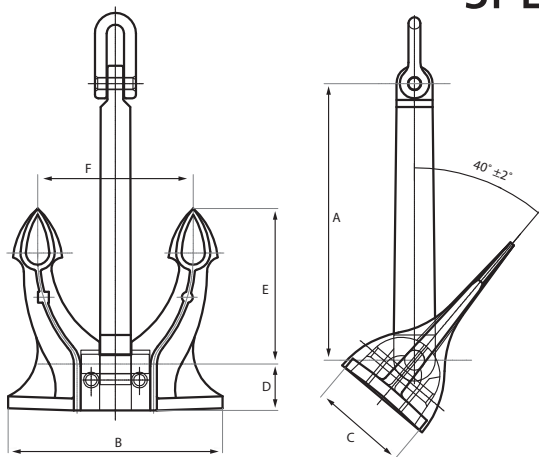
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.



For shorter shank, see SPEK M.

Weight	A	B	C	D	E	F
Kgs	mm	mm	mm	mm	mm	mm
50	537	411	185	89	298	298
75	638	489	213	106	355	355
100	703	539	234	117	390	390
140	786	603	262	131	437	437
180	855	655	285	142	475	475
240	900	690	300	150	500	500
300	990	760	330	166	550	550
360	1080	828	360	180	600	600
420	1080	828	360	180	600	600
480	1170	900	390	196	650	650
570	1170	900	390	196	650	650
660	1260	962	420	210	700	700
780	1350	1032	450	225	750	750
900	1440	1100	480	240	800	800
1020	1530	1170	510	252	850	850
1140	1620	1240	540	268	900	900
1290	1710	1240	540	268	900	900
1440	1710	1300	570	279	950	950
1590	1710	1300	570	279	950	950
1740	1800	1378	600	300	1000	1000
1920	1890	1454	630	312	1050	1050
2100	1890	1454	630	312	1050	1050

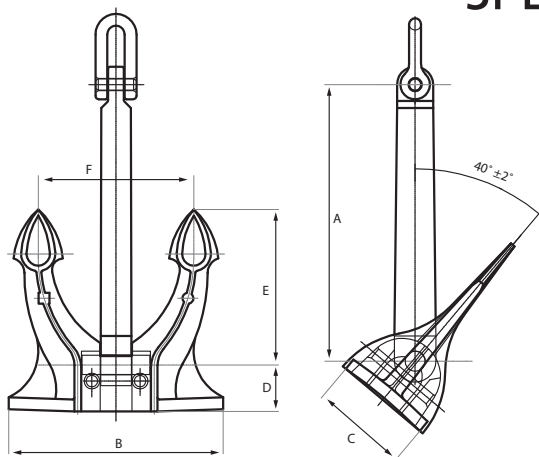
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.



For shorter shank, see SPEK M.

Weight	A	B	C	D	E	F
Kgs	mm	mm	mm	mm	mm	mm
2280	1980	1454	630	312	1050	1050
2460	2010	1514	660	324	1100	1100
2640	2070	1584	690	352	1150	1150
2850	2070	1584	690	352	1150	1150
3060	2160	1650	720	360	1200	1200
3300	2160	1650	720	360	1200	1200
3540	2350	1650	720	360	1200	1200
3780	2430	1850	810	393	1350	1350
4050	2430	1850	810	393	1350	1350
4320	2520	1926	852	413	1400	1400
4590	2520	1926	852	413	1400	1400
4890	2520	1926	852	413	1400	1400
5250	2610	2000	870	414	1450	1450
5610	2610	2000	870	414	1450	1450
6000	2700	2060	900	446	1500	1500
6450	2700	2060	900	446	1500	1500
6900	2890	2138	930	456	1550	1550
7350	2890	2138	930	456	1550	1550
7800	2920	2138	930	456	1550	1550
8300	3060	2332	1020	510	1700	1700
8700	3060	2332	1020	510	1700	1700
9300	3060	2332	1020	510	1700	1700

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

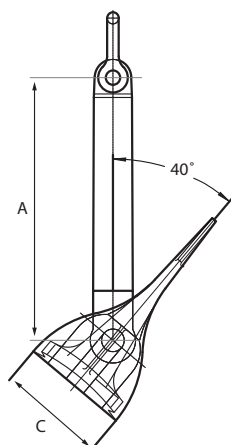
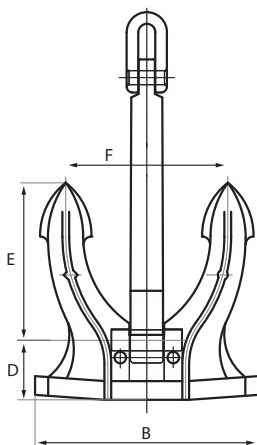


For shorter shank, see SPEK M.

Weight	A	B	C	D	E	F
Kgs	mm	mm	mm	mm	mm	mm
9900	3160	2332	1020	510	1700	1700
10500	3190	2440	1060	531	1770	1770
11100	3290	2440	1060	531	1770	1770
11700	3390	2440	1060	531	1770	1770
12300	3440	2632	1146	573	1910	1910
12900	3440	2632	1146	573	1910	1910
13500	3440	2632	1146	573	1910	1910
14100	3440	2632	1146	573	1910	1910
14700	3690	2824	1230	615	2050	2050
15400	3690	2824	1230	615	2050	2050
16100	3690	2824	1230	615	2050	2050
16900	3820	2922	1270	636	2120	2120
17800	3920	2922	1270	636	2120	2120
18800	3970	3018	1314	657	2190	2190
20000	4070	3018	1314	657	2190	2190
21500	4168	3090	1346	673	2243	2243
23000	4265	3163	1377	689	2295	2295
24500	4355	3229	1406	703	2343	2343
26000	4440	3293	1434	717	2389	2389
27500	4526	3356	1461	731	2435	2435
29000	4621	3438	1494	748	2494	2494

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

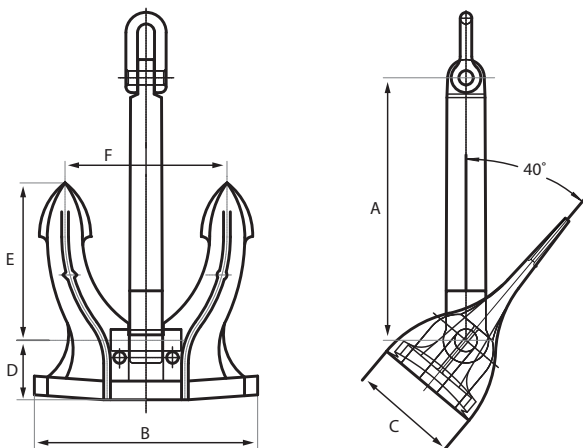
SPEK M



Weight	A	B	C	D	E	F
Kgs	mm	mm	mm	mm	mm	mm
80	611	468	222	108	336	339
105	669	512	242	120	368	371
135	669	512	254	149	368	371
180	800	613	290	142	440	455
240	800	613	304	182	440	455
300	949	727	344	168	522	527
360	949	727	358	190	522	527
420	1062	813	385	188	584	590
480	1062	813	395	211	584	590
570	1175	900	428	208	647	653
660	1175	900	438	236	647	653
780	1305	1000	473	231	718	725
900	1305	1000	485	264	718	725
1020	1428	1093	518	252	785	793
1140	1428	1093	530	277	785	793
1290	1544	1182	561	273	850	858
1440	1544	1182	573	299	850	858
1590	1655	1268	601	293	911	920
1740	1655	1268	611	315	911	920
1920	1761	1350	640	312	970	980
2100	1761	1350	650	337	970	980
2280	1866	1430	678	331	1027	1038

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

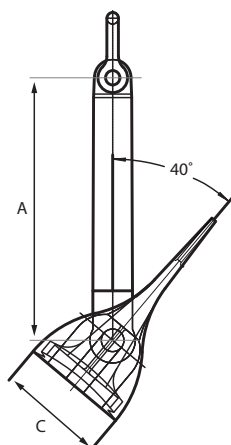
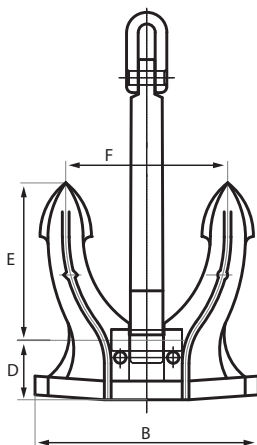
SPEK M



Weight	A	B	C	D	E	F
Kgs	mm	mm	mm	mm	mm	mm
2460	1866	1430	688	355	1027	1038
2640	1959	1500	712	347	1079	1090
2850	1959	1500	722	370	1079	1090
3060	2058	1578	748	365	1133	1144
3300	2058	1578	760	387	1133	1144
3540	2159	1656	785	383	1189	1202
3780	2159	1656	797	405	1189	1202
4050	2258	1732	821	400	1244	1257
4320	2258	1732	831	422	1244	1257
4590	2258	1732	841	444	1244	1257
4890	2405	1846	874	426	1325	1338
5250	2405	1846	888	450	1325	1338
5610	2577	1974	936	431	1418	1432
6000	2577	1974	936	457	1418	1432
6450	2577	1974	950	483	1418	1432
6900	2757	2112	1001	462	1518	1533
7350	2757	2112	1001	488	1518	1533
7800	2757	2112	1015	514	1518	1533
8300	2916	2234	1059	489	1605	1621
8700	2916	2234	1059	517	1605	1621
9300	2916	2234	1074	545	1605	1621
9900	3105	2380	1128	520	1709	1726

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

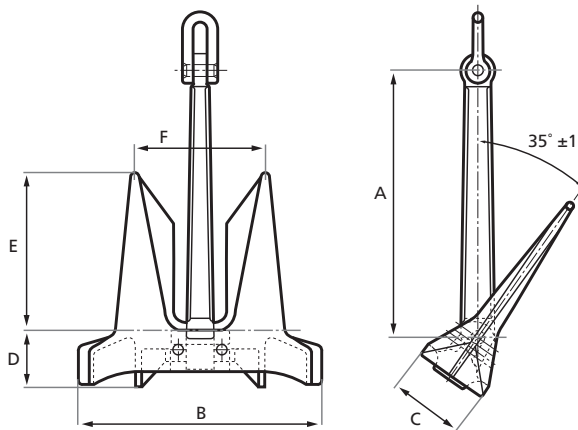
SPEK M



Weight	A	B	C	D	E	F
Kgs	mm	mm	mm	mm	mm	mm
10500	3105	2380	1128	570	1709	1726
11100	3105	2380	1138	580	1709	1726
11700	3273	2507	1188	554	1801	1819
12300	3273	2507	1188	580	1801	1819
12900	3273	2507	1200	607	1801	1819
13500	3425	2624	1243	577	1885	1904
14100	3425	2624	1243	607	1885	1904
14700	3425	2624	1243	650	1885	1904
15400	3425	2624	1263	657	1885	1904
16100	3632	2782	1318	612	1998	2018
16900	3632	2782	1318	638	1998	2018
17800	3632	2782	1318	683	1998	2018
18800	3632	2782	1343	699	1998	2018
20000	3905	2990	1416	652	2148	2170

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

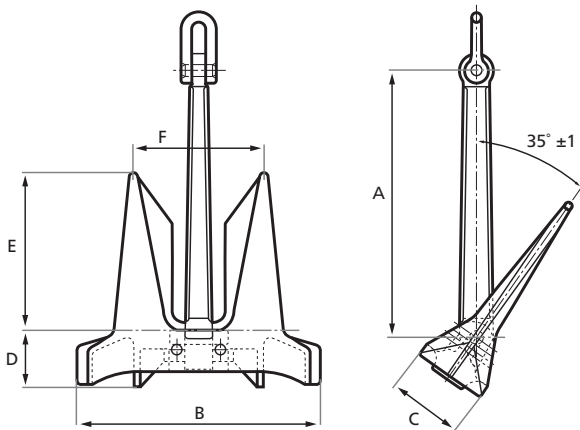
AC-14



Weight	A	B	C	D	E	F
Kgs	mm	mm	mm	mm	mm	mm
30	491	440	136	85	299	236
45	590	529	164	107	359	283
75	677	605	188	122	411	324
94	718	643	199	130	437	344
112	745	666	207	135	452	357
135	821	737	228	143	500	394
180	904	811	251	157	550	434
225	974	874	270	169	593	468
270	1035	929	287	180	630	497
315	1090	978	302	189	663	524
360	1139	1022	316	198	694	547
430	1194	1071	331	206	727	574
495	1251	1122	347	216	762	602
585	1360	1221	378	236	828	654
675	1398	1254	387	242	851	672
765	1483	1304	404	264	885	698
855	1520	1363	423	267	925	729
970	1590	1425	440	275	968	764
1080	1631	1462	451	282	993	784
1195	1660	1490	465	287	1011	798
1305	1761	1580	488	305	1072	846
1440	1795	1610	497	311	1093	862

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

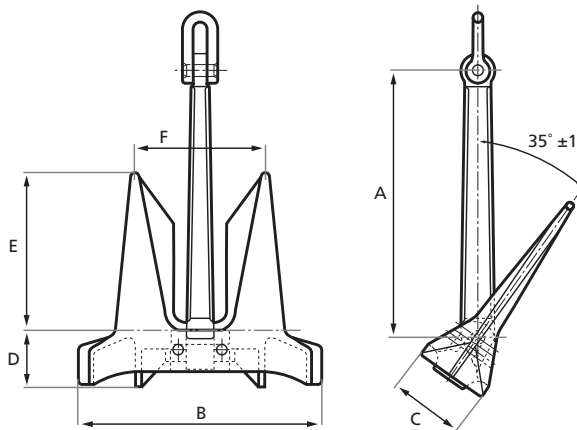
AC-14



Weight	A	B	C	D	E	F
Kgs	mm	mm	mm	mm	mm	mm
1575	1855	1665	514	321	1130	892
1710	1900	1705	526	329	1157	913
1845	1940	1741	538	336	1182	933
1980	1977	1774	548	342	1203	950
2140	2016	1809	559	349	1227	969
2295	2089	1874	579	362	1272	1004
2475	2150	1929	596	373	1309	1033
2655	2201	1975	610	382	1340	1057
2835	2253	2022	624	390	1372	1083
3040	2302	2066	638	399	1402	1107
3240	2352	2110	652	407	1432	1130
3445	2400	2154	665	415	1462	1154
3670	2451	2200	680	424	1493	1178
3940	2510	2252	696	434	1529	1207
4210	2566	2303	711	444	1563	1234
4500	2624	2355	727	454	1598	1261
4840	2688	2412	745	465	1637	1292
5175	2749	2467	762	476	1674	1321
5515	2808	2520	778	486	1710	1350
5850	2864	2570	794	496	1744	1376
6225	2923	2623	810	506	1780	1405
6525	2970	2665	823	514	1808	1428

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

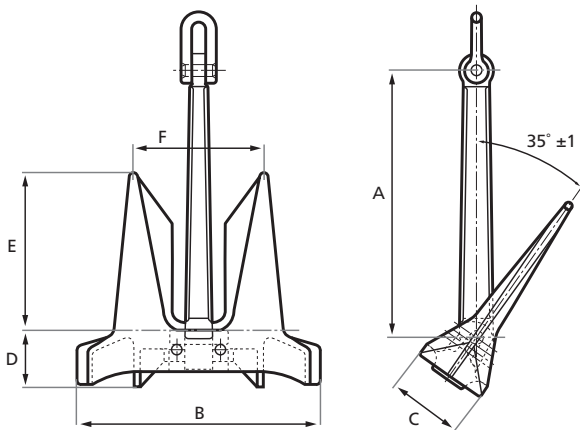
AC-14



Weight	A	B	C	D	E	F
Kgs	mm	mm	mm	mm	mm	mm
6975	3042	2730	843	527	1853	1462
7425	3100	2782	859	537	1888	1490
7875	3162	2837	876	547	1925	1520
8325	3221	2890	893	558	1961	1548
8775	3278	2942	909	567	1996	1576
9225	3333	2991	924	577	2030	1602
9675	3386	3039	939	586	2062	1628
10125	3438	3085	953	595	2094	1653
10575	3488	3130	967	604	2124	1677
11025	3537	3174	981	612	2154	1700
11550	3592	3224	996	622	2188	1727
12075	3646	3272	1011	631	2220	1753
12675	3705	3325	1027	641	2256	1781
13350	3770	3383	1045	653	2296	1812
14100	3839	3445	1064	665	2338	1846
15000	3919	3517	1086	678	2387	1884
16125	4015	3603	1113	695	2445	1930
17250	4106	3685	1138	711	2501	1974
18375	4194	3763	1163	726	2554	2016
19500	4278	3839	1186	740	2605	2056
20625	4358	3911	1208	754	2654	2095
21750	4436	3981	1230	768	2702	2132

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

AC-14

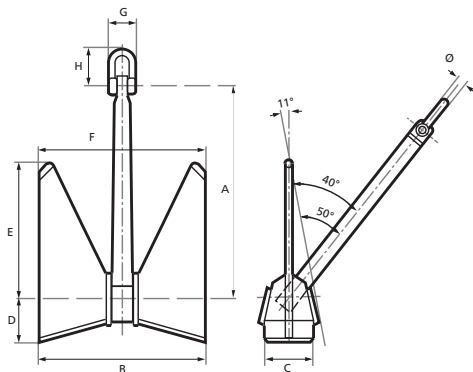


Weight	A	B	C	D	E	F
Kgs	mm	mm	mm	mm	mm	mm
23250	4536	4070	1258	785	2763	2180
24750	4632	4156	1284	801	2821	2226
26625	4746	4259	1316	821	2890	2280
28875	4876	4375	1352	844	2969	2343
31500	5020	4504	1392	868	3057	2412
34500	5174	4643	1435	895	3151	2486
36000	5248	4709	1455	908	3196	2522

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

PULL TW

HYT-12

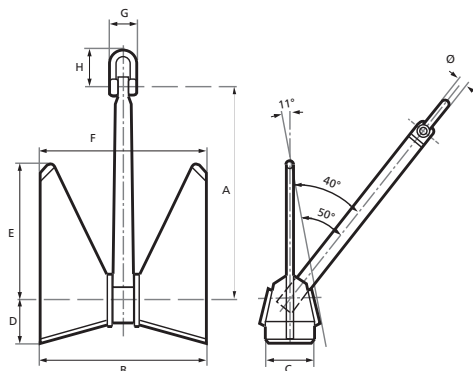


Weight	A	B	C	D	E	F	G	H	Ø
Kgs	mm	mm	mm	mm	mm	mm	mm	mm	mm
60	650	539	203	140	420	650	90	120	22
75	700	581	215	151	452	700	90	120	22
90	712	594	224	160	458	712	90	120	22
105	771	637	239	169	501	771	105	142	28
135	815	674	255	178	528	815	105	142	28
160	895	747	286	194	581	895	115	157	32
180	937	780	297	201	610	937	115	157	32
225	982	821	312	224	641	982	125	174	36
270	1080	895	335	230	700	1080	125	174	36
315	1080	898	336	235	701	1080	125	174	36
360	1175	980	370	258	766	1175	140	201	40
430	1260	1040	393	274	818	1260	140	201	40
495	1295	1078	402	283	842	1295	140	201	40
585	1388	1149	436	302	899	1388	175	236	50
675	1456	1205	454	315	943	1456	175	236	50
765	1518	1256	470	328	984	1518	175	236	50
855	1575	1306	496	340	1020	1575	225	306	60
970	1642	1360	513	351	1064	1642	225	306	60
1080	1703	1410	530	368	1103	1703	225	306	60
1195	1730	1435	537	377	1123	1730	225	306	60

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

PULL TW

HYT-12

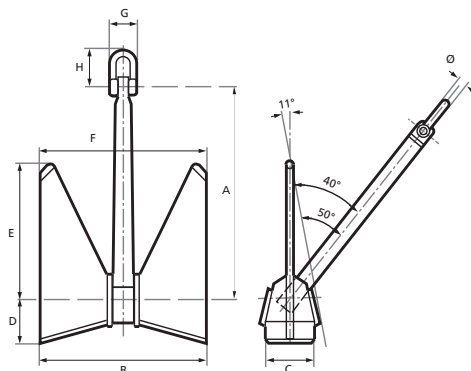


Weight	A	B	C	D	E	F	G	H	Ø
Kgs	mm	mm	mm	mm	mm	mm	mm	mm	mm
1305	1814	1490	558	390	1175	1490	225	306	60
1440	1875	1554	585	402	1218	1554	225	306	60
1575	1931	1594	600	418	1250	1594	255	361	75
1710	1985	1635	614	429	1285	1635	255	361	75
1845	2035	1684	638	443	1315	1684	255	361	75
1980	2088	1733	652	451	1359	1733	255	361	75
2140	2138	1765	664	463	1385	1765	255	361	75
2295	2190	1802	678	473	1418	1802	255	361	75
2475	2240	1860	705	487	1453	1860	290	400	80
2655	2298	1900	716	497	1486	1900	290	400	80
2835	2350	1945	730	510	1521	1945	290	400	80
3040	2404	1984	744	520	1558	1984	290	400	80
3240	2456	2036	768	531	1590	2036	290	400	80
3445	2507	2070	782	540	1628	2070	290	400	80
3670	2560	2110	795	556	1658	2110	360	500	90
3940	2621	2152	802	563	1697	2152	360	500	90
4210	2680	2218	838	585	1735	2218	360	500	90
4500	2740	2264	854	596	1775	2264	360	500	90
4840	2800	2316	868	610	1812	2316	400	550	100
5175	2829	2334	876	615	1832	2334	400	550	100

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

PULL TW

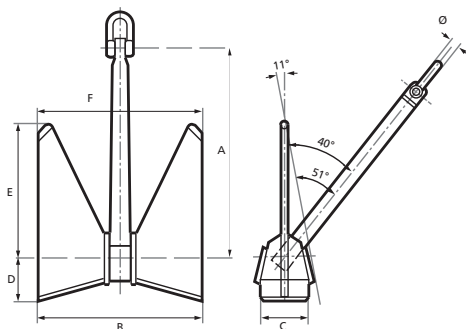
HYT-12



Weight	A	B	C	D	E	F	G	H	Ø
Kgs	mm	mm	mm	mm	mm	mm	mm	mm	mm
5515	2921	2412	911	631	1893	2412	400	550	100
5850	2948	2439	918	642	1909	2439	400	550	100
6225	3033	2509	940	659	1964	2509	400	550	100
6975	3145	2623	990	675	2047	2623	400	550	100
7875	3264	2695	1012	709	2114	2695	470	660	130
8325	3340	2757	1041	724	2163	2757	470	660	130
8775	3381	2797	1052	737	2190	2797	470	660	130
9225	3453	2865	1092	756	2236	2865	470	660	130
9675	3497	2905	1109	768	2272	2905	500	700	140
10125	3552	2941	1126	780	2307	2941	500	700	140
10575	3591	2979	1142	791	2341	2979	500	700	140
11025	3658	3027	1158	802	2374	3027	540	750	150
12075	3784	3121	1174	813	2407	3121	540	750	150
12675	3829	3161	1196	826	2446	3161	540	750	150
13350	3903	3221	1214	840	2489	3221	570	800	160
14100	4010	3295	1236	855	2535	3295	570	800	160
15000	4057	3357	1262	873	2588	3357	570	800	160
16125	4170	3443	1293	894	2651	3443	625	870	175

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

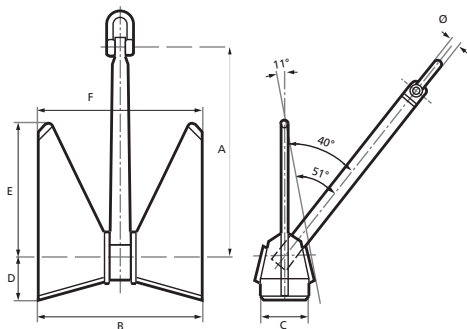
SHHP PULL TW



Weight	A	B	C	D	E	F	Ø
Kgs	mm	mm	mm	mm	mm	mm	mm
17	381	354	134	135	229	351	77
25	434	403	152	154	260	399	87
33	476	442	167	168	286	437	95
37	494	459	174	175	297	454	99
50	546	508	192	193	328	502	109
62	587	546	206	208	352	540	117
79	637	591	223	225	382	585	127
97	682	633	239	241	409	627	137
114	719	668	252	255	432	661	144
138	767	712	269	271	460	705	153
149	786	731	276	278	472	723	157
167	817	759	287	289	490	751	164
184	844	784	296	299	506	776	169
202	870	809	306	308	522	800	174
219	894	831	314	317	537	822	179
237	918	853	322	325	551	844	183
255	941	874	330	333	565	865	189
272	961	893	337	340	577	884	192
294	986	917	346	349	592	907	198
320	1015	943	356	359	609	933	203

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

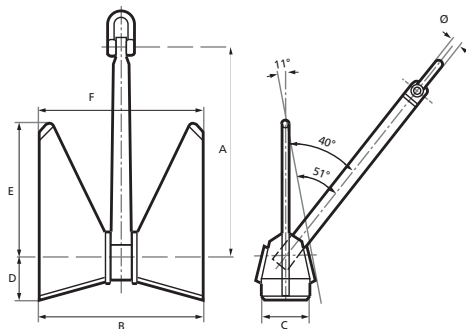
SHHP PULL TW



Weight	A	B	C	D	E	F	Ø
Kgs	mm	mm	mm	mm	mm	mm	mm
347	1042	969	366	369	626	958	209
373	1068	992	375	378	641	982	215
404	1097	1019	385	388	658	1008	220
439	1127	1048	396	399	677	1037	226
474	1157	1075	406	409	694	1063	231
509	1184	1101	416	419	711	1089	237
544	1211	1125	425	429	727	1113	243
579	1236	1149	434	438	742	1137	247
617	1263	1173	443	447	758	1161	254
649	1284	1193	451	455	771	1181	257
685	1308	1215	459	463	785	1202	261
724	1332	1238	468	472	799	1225	267
768	1358	1262	477	481	815	1249	272
817	1387	1289	487	491	832	1275	278
856	1408	1309	494	499	845	1295	282
960	1463	1360	514	518	878	1345	293
1050	1508	1401	529	534	905	1386	302
1140	1550	1440	544	549	930	1425	311
1230	1589	1477	558	563	954	1461	319
1320	1627	1512	571	576	977	1496	326

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SHHP PULL TW

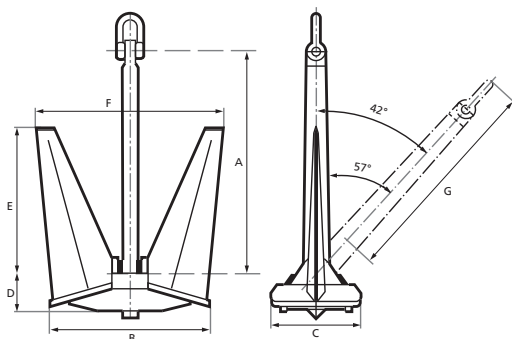


Weight	A	B	C	D	E	F	Ø
Kgs	mm	mm	mm	mm	mm	mm	mm
1425	1669	1551	586	591	1002	1535	334
1500	1698	1578	596	601	1019	1561	339
1530	1709	1588	600	605	1026	1572	342
1650	1753	1629	615	621	1052	1612	351
1770	1794	1667	630	635	1077	1650	359
1890	1834	1704	644	649	1101	1686	368
2025	1877	1744	659	664	1126	1725	376
2160	1918	1782	673	679	1151	1763	384
2295	1957	1818	687	693	1174	1799	391

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

PULL N

HYN

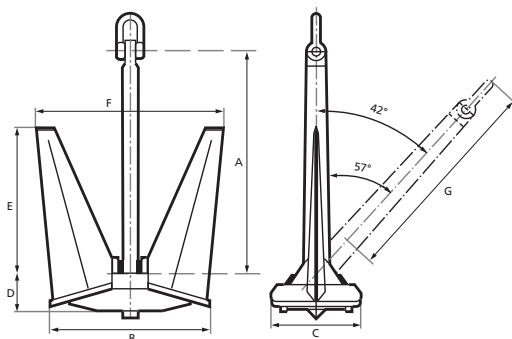


Weight	A	B	C	D	E	F
Kgs	mm	mm	mm	mm	mm	mm
20	455	325	185	75	300	385
30	521	372	212	86	344	441
40	570	410	235	95	370	480
50	614	442	253	102	398	517
60	655	470	270	110	425	555
70	689	492	282	115	450	583
80	720	515	295	120	470	610
100	775	555	320	130	505	655
135	825	595	340	135	540	700
180	905	650	370	150	590	765
225	1040	745	425	175	680	880
270	1090	780	450	180	715	925
315	1140	820	470	190	748	965
360	1190	855	490	195	780	1005
430	1270	910	520	210	830	1075
495	1305	940	535	215	855	1105
585	1410	1010	580	235	920	1195
675	1440	1035	590	240	940	1220
765	1528	1096	615	250	1000	1290
855	1550	1115	635	255	1015	1310
970	1615	1160	665	270	1055	1365
1080	1636	1200	670	275	1090	1410

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

PULL N

HYN

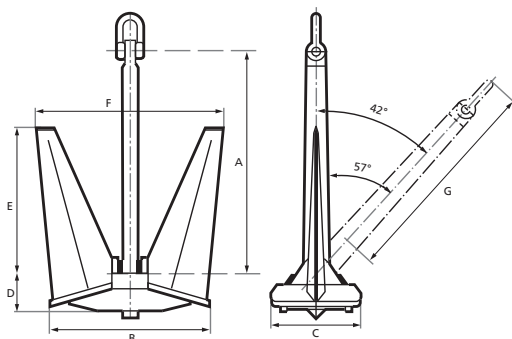


vw	A	B	C	D	E	F
Kgs	mm	mm	mm	mm	mm	mm
1195	1670	1270	708	436	1010	1485
1305	1800	1290	740	300	1175	1525
1440	1910	1370	765	315	1250	1615
1575	1769	1385	777	472	1092	1640
1710	2015	1445	775	335	1320	1705
1845	1890	1469	819	504	1168	1729
1980	2080	1500	780	345	1370	1770
2140	1986	1543	860	530	1226	1816
2295	2105	1570	812	350	1430	1850
2475	2240	1620	839	350	1510	1910
2655	2140	1684	926	566	1322	1954
2835	2320	1650	855	350	1510	1980
3240	2390	1700	885	360	1560	2040
3445	2470	1760	910	380	1610	2110
3940	2580	1820	945	390	1670	2190
4210	2650	1880	980	400	1730	2260
4500	2553	1976	1103	675	1576	2328
4840	2730	1950	1010	420	1780	2330
5175	2820	2010	1040	430	1840	2410
5515	2730	2116	1180	722	1686	2491
5850	2910	2080	1080	450	1900	2490
6225	2838	2204	1229	756	1750	2594

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

PULL N

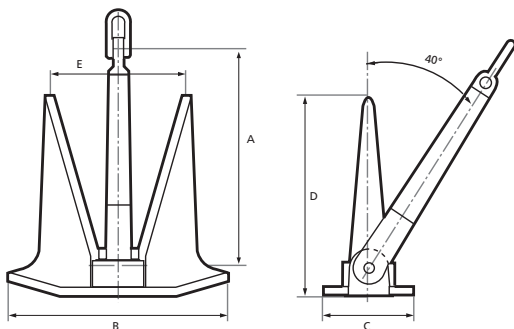
HYN



vw	A	B	C	D	E	F
Kgs	mm	mm	mm	mm	mm	mm
6525	3010	2150	1110	460	1980	2570
6975	3110	2220	1150	470	2030	2660
7425	3010	2338	1303	802	1858	2760
7875	3250	2290	1190	480	2100	2750
8775	3320	2370	1225	510	2160	2840
9225	3235	2512	1401	862	1997	2968
9675	3430	2450	1270	520	2240	2930
10125	3337	2592	1445	890	2060	3060
10575	3550	2530	1310	540	2310	3030
11550	3670	2610	1355	560	2390	3130
12075	3538	2748	1533	943	2184	3236
12675	3790	2700	1400	580	2470	3240
13350	3658	2842	1585	975	2258	3346
14100	3920	2790	1450	600	2550	3350
15000	4030	2880	1490	610	2630	3450
17250	4150	2960	1540	630	2710	3550

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

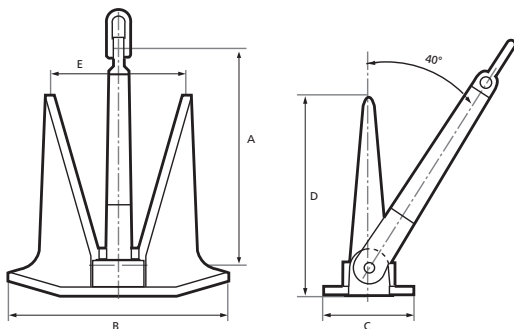
D'HONE



Weight	A	B	C	D	E
Kgs	mm	mm	mm	mm	mm
48	500	530	200	465	310
135	700	745	280	660	435
180	770	820	305	725	480
225	830	880	330	780	515
315	930	990	370	870	575
360	970	1030	385	910	600
430	1030	1100	410	970	640
495	1080	1150	430	1015	670
585	1140	1215	450	1070	710
675	1200	1270	475	1125	740
765	1250	1330	495	1170	775
855	1300	1380	510	1215	800
970	1350	1435	535	1270	835
1080	1400	1490	555	1315	870
1195	1450	1540	575	1360	900
1305	1495	1585	590	1400	925
1440	1540	1640	610	1445	955
1575	1590	1690	630	1490	985
1710	1630	1735	650	1530	1010
1845	1675	1780	665	1570	1040
1980	1715	1820	680	1605	1060
2140	1760	1870	700	1650	1090
2295	1800	1915	715	1690	1115

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

D'HONE

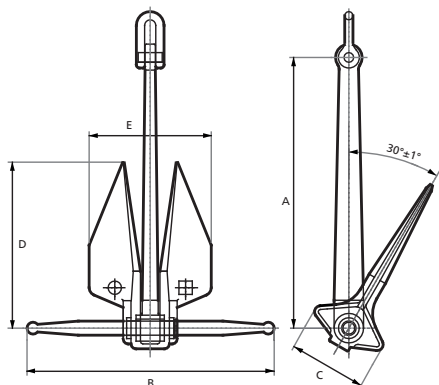


Weight	A	B	C	D	E
Kgs	mm	mm	mm	mm	mm
2475	1845	1960	730	1730	1140
2655	1890	2010	750	1775	1170
2835	1930	2050	765	1815	1200
3240	2020	2150	800	1895	1250
3445	2060	2190	820	1935	1275
3670	2105	2240	835	1975	1300
3940	2160	2290	855	2020	1335
4210	2200	2340	870	2070	1365
4500	2260	2400	890	2115	1395
4840	2310	2450	915	2165	1230
5175	2360	2500	935	2215	1460
5515	2410	2560	955	2265	1495
5850	2460	2610	970	2305	1525
6225	2510	2670	995	2355	1555
6975	2610	2770	1030	2445	1615
7425	2665	2830	1050	2500	1650
7875	2720	2885	1075	2550	1680
8325	2770	2940	1095	2595	1715
8775	2815	2990	1115	2640	1745
9225	2865	3040	1135	2685	1770
9675	2910	3090	1150	2730	1800
10125	2955	3140	1170	2770	1830
10575	3000	3180	1185	2810	1855

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

OFFSHORE ANCHOR

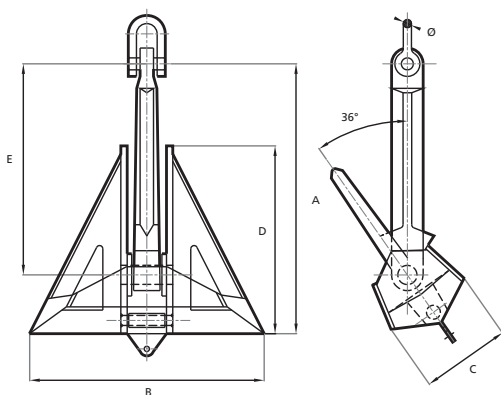
DANFORTH



Weight	A	B	C	D	E
Kgs	mm	mm	mm	mm	mm
135	1350	1130	275	820	560
225	1600	1340	325	975	665
340	1720	1480	370	1000	720
455	1830	1580	410	1100	760
680	1955	1690	475	1180	815
910	2100	1820	525	1275	900
1135	2260	2140	560	1350	930
1360	2390	2260	595	1440	990
1820	2640	2550	660	1590	1050
2270	2780	2700	710	1650	1170
2730	2960	2810	750	1780	1200
3180	3120	2960	790	1880	1260
3635	3260	3090	825	1960	1320
4080	3380	3210	860	2040	1370
4540	3510	3330	890	2100	1420
5545	3730	3540	945	2240	1510
6350	3920	3720	995	2360	1590
7260	4100	4000	1040	2470	1660
8165	4270	4080	1080	2560	1730
9075	4570	4150	1110	2620	1770
11345	4710	4470	1195	2820	1910
13610	5000	4750	1270	3000	2025

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SUPERIOR DELTA

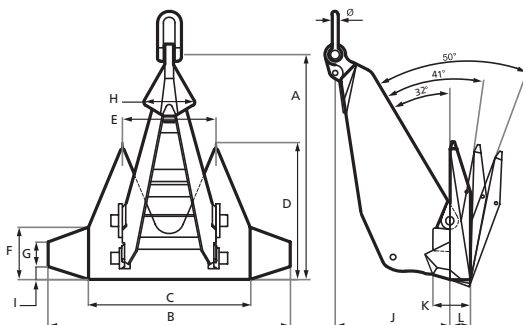


Weight	A	B	C	D	E	Ø
Kgs	mm	mm	mm	mm	mm	mm
1000	2107	1780	680	1424	1600	67
2000	2714	2381	895	1884	2122	74
2500	2921	2541	963	2027	2283	82
3000	3020	2560	983	2047	2300	86
4000	3418	2973	1127	2372	2672	95
5000	3737	3200	1213	2554	2917	100
7000	4118	3582	1358	2858	3219	110
8000	4308	3747	1421	2989	3367	125
9000	4481	3897	1478	3109	3503	-
10000	4641	4036	1530	3220	3628	-
12000	5320	4495	1689	3596	4040	137
13000	5058	4399	1668	3510	3954	-
15000	5750	4845	1840	3875	4355	160
18000	6080	5140	1900	4080	4610	-
20000	6310	5140	2010	4260	4790	-
25000	6795	5740	2065	4590	5106	195
30000	7208	6090	2277	4858	5463	-
40000	7850	6650	2480	5290	5945	-

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

DRAG ANCHOR

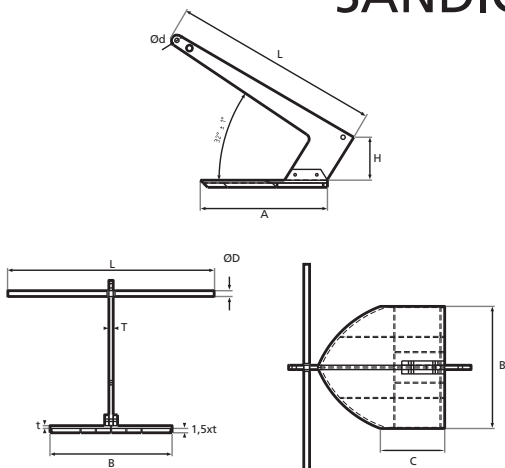
CLASS A MX5



Weight	A	B	C	D	E	F	G	H	I	J	K	L	Ø
Kgs	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
300	1583	1703	1142	969	658	320	186	330	63	805	263	145	45
500	2044	2206	1652	1254	850	413	240	520	64	1043	342	188	50
750	226	2400	1794	1367	923	450	261	463	70	1133	372	204	60
1000	2580	2780	2085	1582	1074	522	303	537	104	1314	430	236	62
1500	2954	3184	2380	1812	1230	598	346	615	92	1505	493	271	68
3000	3721	4011	3008	2283	1550	750	435	775	150	1896	622	342	90
5000	4412	4756	3567	2707	1837	893	541	900	176	2248	738	406	110
8000	5148	5500	4244	3120	2385	1210	464	1424	165	2515	570	369	130
10000	6250	6140	4480	3410	2310	1070	650	975	220	2832	970	485	140
12000	5890	6295	4858	3565	2732	1325	531	1630	190	2875	653	425	150
15000	6364	6860	5145	3904	2650	1290	748	2650	258	3242	1064	585	170
18000	6754	7205	5561	4080	3127	1575	610	1865	220	3295	748	486	175

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SANDIG III

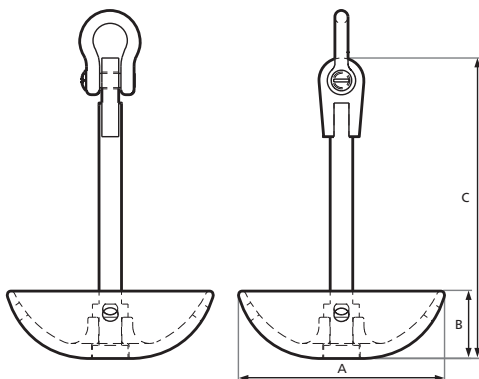


Weight	FLUKE				SHANK				STOCK	
	A	B	C	t	T	L	H	Ød	ØD	
Kgs	mm	mm	mm	mm	mm	mm	mm	mm	mm	
300	1030	945	550	20	34	1650	393	50	50	
500	1290	1220	650	22	40	2100	440	50	60	
700	1400	1280	700	28	45	2350	492	60	60	
1000	1560	1480	780	30	50	2590	551	60	70	
1500	1760	1690	890	39	60	2865	594	60	80	
2000	1970	1840	940	40	65	3000	712	75	90	
2500	2100	1980	970	45	70	3200	765	80	95	
3000	2200	2070	1050	50	75	3355	853	85	100	
4000	2135	2016	1136	85	85	3275	939	96	110	
5000	2343	2212	1247	90	90	3358	1027	104	120	

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

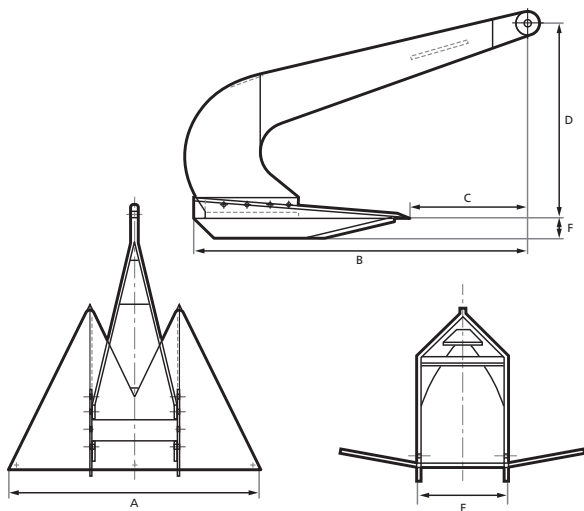
PLOUGH ANCHOR

MUSHROOM



Weight	A	B	C	Suitable shackle
Kgs	mm	mm	mm	
50	Ø 430	115	680	SWL 13.5T Bow with flush head
100	Ø 550	180	802	SWL 13.5T Bow with flush head
150	Ø 655	210	968	SWL 13.5T Bow with flush head
250	Ø 730	245	988	SWL 13.5T Bow with flush head
350	Ø 750	265	988	SWL 13.5T Bow with flush head
500	Ø 750	330	988	SWL 13.5T Bow with flush head
5000	Ø 2005	546	3648	SWL 13.5T Bow with flush head

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

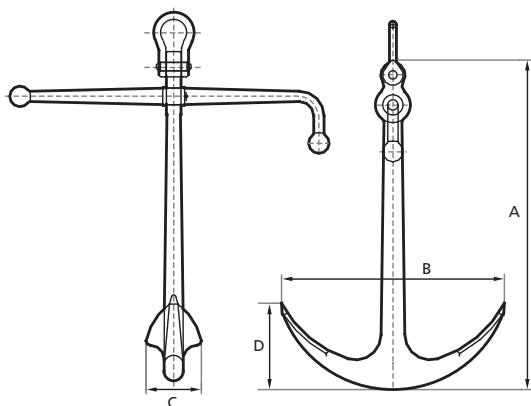


Weight	A	B	C	D	E	F	UHP
Kgs	mm	mm	mm	mm	mm	mm	tonnes
250	1515	1530	519	895	556	83	17
375	1748	1765	599	1031	635	96	24
500	2024	2045	694	1190	736	111	30
750	2222	2243	761	1311	808	122	41
1000	2510	2480	800	1450	905	136	52
1500	2888	2830	895	1650	1043	153	72
2000	3350	3320	1080	1933	1119	168	90
2500	3315	3348	1136	2015	1205	180	104
3000	3638	3719	1312	2160	1311	197	125
4000	4000	4090	1443	2376	1442	216	156
5000	4248	4291	1456	2504	1544	232	187

Holding power can only be expected during ideal conditions.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

ADMIRALTY

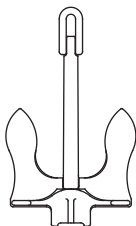


Weight	A	B	C	D
Kgs	mm	mm	mm	mm
10	650	400	100	150
25	890	550	130	200
50	960	635	185	230
75	1105	710	210	266
100	1215	780	230	293
150	1395	900	265	336
200	1535	990	290	370
300	1755	1105	330	423
500	2080	1335	390	502
700	2330	1500	440	560
1000	2620	1685	495	633
2000	3300	2140	625	797
3000	3780	2415	715	912

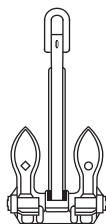
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

OTHER ANCHORS

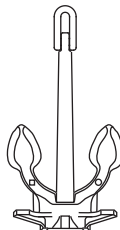
BALDT



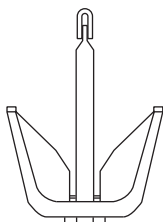
BYERS



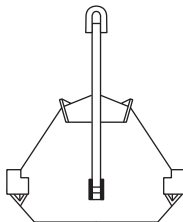
GRUSON



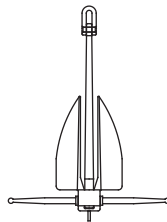
HEUSS - SPECIAL



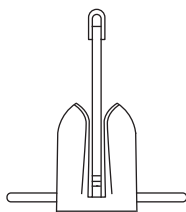
HOOK



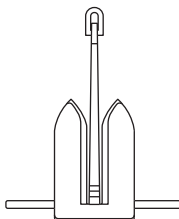
LWT



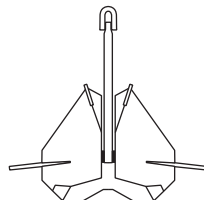
MOORFAST



OFFDRILL II



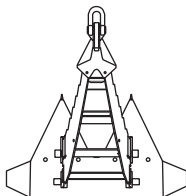
STEVFIX



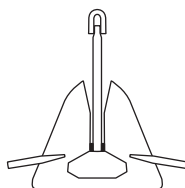
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

OTHER ANCHORS

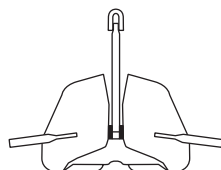
STEVSHARK



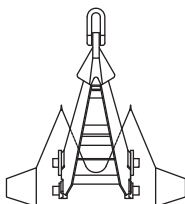
STEVIN



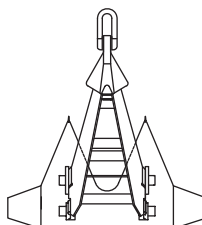
STEV MUD



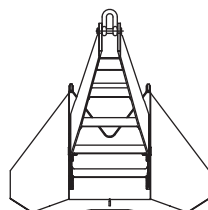
STEVPRIS



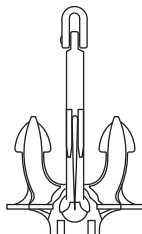
STEVPRIS MK5



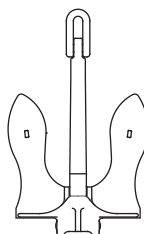
STEVPRIS MK6



UNION



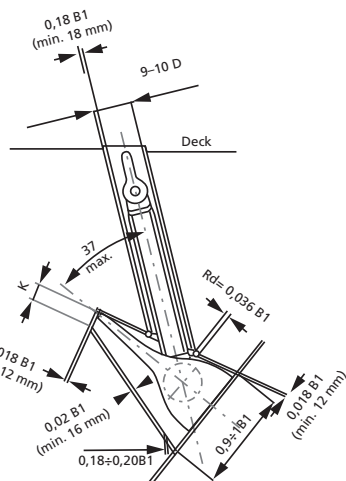
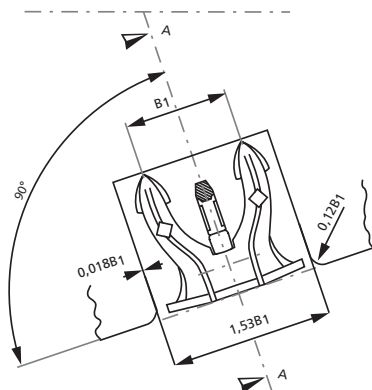
U.S. NAVY STOCKLESS



If you are in need of other types that are not listed in our catalogue, please contact our sales department

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

ANCHOR POCKET



D = Dia of chain
K = 180 mm (for all anchorsizes)

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

AQUA WEIGHTS



Aquaweights made in polyethylene (PE) with an extra heavy wall-thickness and filled with steel and concrete. Gentle against the aqua culture net. Lifting approved with fibre round slings. Can be made to any requested weight.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

OFFSHORE MOORING ROD

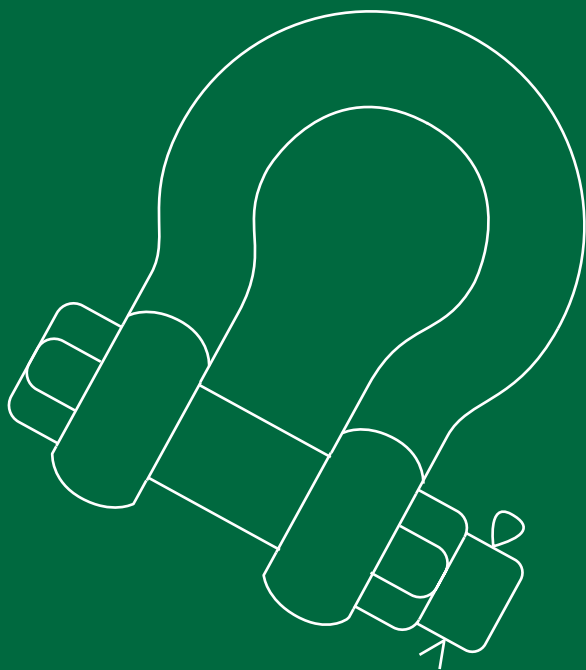


A Sotra designed solution for the seabeds where rig anchors are not applicable.
Can be made to any size required.

Contact our sales department for further information.

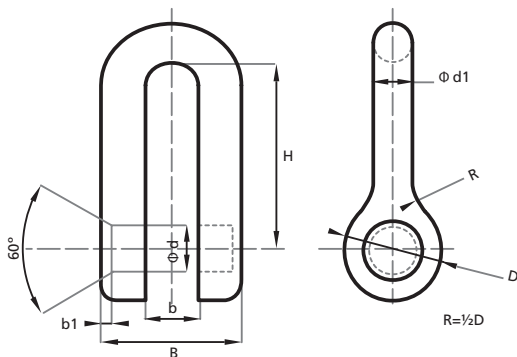
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SHACKLES



CROWN SHACKLE

TYPE A

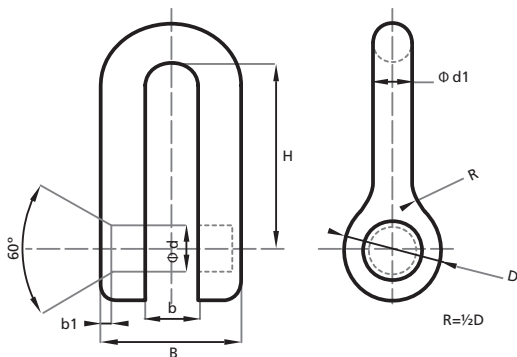


Type	B	b	b1	D	d	d1	H	Weight	Anchor weight
	mm	mm	mm	mm	mm	mm	mm	Kgs	Kgs
a1	49	21	4	35	16	14	60	0.10	15
a2	57	25	4	40	19	16	72	0.63	20
a3	70	30	5	45	22	20	84	1.01	30
a4	78	34	5	50	26	22	98	1.43	50
a5	85	37	6	60	30	24	115	2.10	100
a6	98	42	7	65	34	28	130	3.20	150
a7	110	46	8	75	36	32	145	4.50	200
a8	122	50	9	80	40	36	160	6.00	250
a9	136	56	10	90	45	40	175	8.30	360
a10	151	61	11	100	52	45	192	11.50	450
a11	163	67	12	110	55	48	215	14.70	600
a12	174	74	13	120	60	50	235	17.80	800
a13	200	80	14	135	65	60	255	26.30	1020
a14	215	91	15	155	75	62	280	35.00	1500
a15	236	100	17	174	80	68	310	46.80	2000
a16	256	108	19	190	90	74	340	60.70	2500
a17	279	115	20	210	100	82	380	80.80	3060
a18	284	120	20	210	100	82	385	82.80	3540
a19	305	125	22	230	110	90	410	106.0	4050
a20	310	130	22	230	110	90	410	109.0	4500

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

CROWN SHACKLE

TYPE A

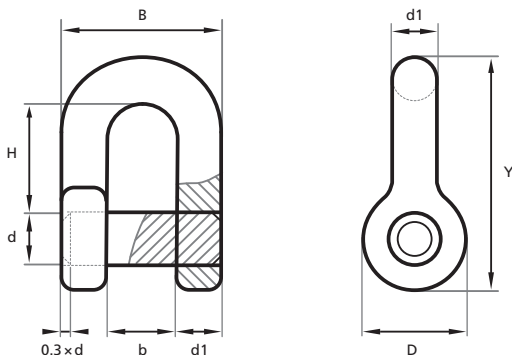


Type	B	b	b1	D	d	d1	H	Weight	Anchor weight
	mm	mm	mm	mm	mm	mm	mm	Kgs	Kgs
a21	335	135	25	250	120	100	415	139.0	5000
a22	343	143	25	250	120	100	450	144.6	6000
a23	370	150	27	270	130	110	480	192.0	7000
a24	377	157	27	280	130	110	500	196.3	8000
a25	391	163	30	300	138	117	540	238.6	9000
a26	418	170	30	310	145	121	580	280.0	10000
a27	437	177	32	320	150	130	600	314.0	11100
a28	452	182	32	335	155	135	630	353.0	12300
a29	468	188	34	345	160	140	640	390.0	13500
a30	483	193	34	355	165	145	660	430.0	14700
a31	498	198	36	365	170	150	680	471.0	15100
a32	515	205	36	380	175	155	700	523.0	17800
a33	534	214	38	395	185	160	730	584.0	20000
a34	561	224	38	410	190	170	770	679.0	23000
a35	594	234	40	430	200	180	800	791.0	26000
a36	611	241	40	445	205	185	820	863.0	29000
a37	625	246	42	455	210	190	830	934.0	31000
a38	642	252	42	465	215	195	860	999.0	33000
a39	657	257	44	475	220	200	880	1072.0	36500
a40	674	264	44	490	225	205	910	1156.0	38500
a41	692	272	46	510	235	210	940	1279.0	42000
a42	720	280	46	520	240	220	960	1412.0	46000

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

CROWN SHACKLE

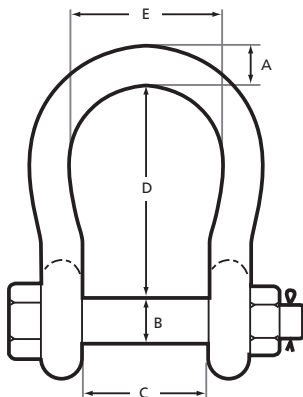
TYPE R



Type	B	b	D	d	d1	H	Y	Weight	PL gr. 3	Anchor Weight
	mm	mm	mm	mm	mm	mm	mm	Kgs	kN	Kgs
R1	111	47	83	35	30	111	200	4	150	≤700
R2	144	60	110	45	42	139	259	8	250	≤1300
R3	173	73	134	52	44	158	295	13	350	≤2000
R4	210	90	150	68	58	211	378	25	550	≤3700
R5	230	100	159	72	61	221	398	32	610	≤4300
R6	260	110	172	80	68	246	440	50	750	≤6200
R7	285	125	190	90	76	276	492	65	950	≤9000
R8	320	140	215	100	85	307	550	94	1200	≤13500
R9	355	155	245	110	93	339	610	127	1450	≤18500
R10	395	175	270	125	106	385	689	178	1850	≤27000
R11	460	200	308	140	119	430	773	269	2180	≤34000
R12	490	210	335	150	128	475	846	335	2450	≤40000
R13	520	220	350	160	136	525	916	413	2700	≤46000
R14	555	235	360	170	145	560	970	500	2950	∞
R15	590	250	390	180	153	610	1048	601	—	∞
R16	630	270	410	190	162	650	1112	716	—	∞
R17	660	280	430	200	175	690	1180	839	—	∞

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SOTRA MOORING SHACKLE

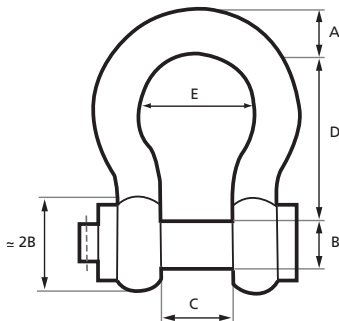


MBL	A	B	C	D	E	Weight
Ton	mm	mm	mm	mm	mm	Kgs
28	19	22	44	100	58	1,4
40	22	25	52	125	68	2,2
60	28	28	62	150	89	3,4
90	32	32	78	170	98	6,4
110	42	45	112	200	150	12,1
150	50	50	126	248	140	18

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SAFETY BOW SHACKLE

BOLT & NUT

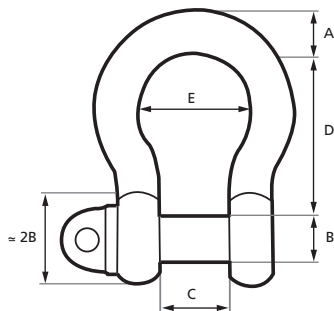


WLL	A	B	C	D	E	Weight
Ton	mm	mm	mm	mm	mm	Kgs
2	13	16	22	51	32	0.44
3.25	16	19	27	64	43	0.79
4.75	19	22	31	76	51	1.26
6.5	22	25	36	83	58	1.88
8.5	25	28	43	95	68	2.79
9.5	28	32	47	108	75	3.8
12	32	35	51	115	83	5.26
13.5	35	38	57	133	92	7
17	38	42	60	146	99	8.8
25	45	50	74	178	126	15
35	50	57	83	197	138	20.65
42.5	57	65	95	222	160	29.3
55	65	70	105	254	180	41
85	75	80	127	330	190	64.5
120	89	95	146	381	238	109.5
150	102	108	165	400	275	160
200	120	130	175	500	290	235
250	125	140	200	540	305	285
300	135	150	200	600	305	340
400	165	175	225	650	325	570
500	175	185	250	700	350	685
600	195	205	275	7000	375	880
700	205	215	300	730	400	980
800	210	220	300	730	400	1110
900	220	230	320	750	420	1295
1000	230	240	340	750	420	1475
1200	250	280	400	840	500	1900
1500	260	325	460	870	600	2800

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SAFETY BOW SHACKLE

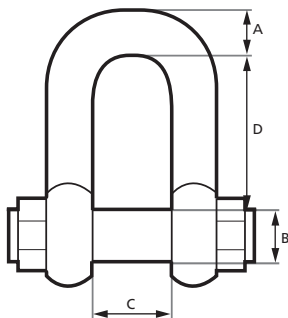
SCREW PIN



WLL	A	B	C	D	E	Weight
Ton	mm	mm	mm	mm	mm	Kgs
2	13	16	22	51	32	0.36
3.25	16	19	27	64	43	0.62
4.75	19	22	31	76	51	1.21
6.5	22	25	36	83	58	1.48
8.5	25	28	43	95	68	2.5
9.5	28	32	47	108	75	3.46
12	32	35	51	115	83	4.5
13.5	35	38	57	133	92	6.6
17	38	42	60	146	99	7.1
25	45	50	74	178	126	13.2
35	50	57	83	197	138	19
42.5	57	65	95	222	160	28
55	65	70	105	254	180	38.5
85	75	80	127	330	190	62.3

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

D-TYPE SHACKLE

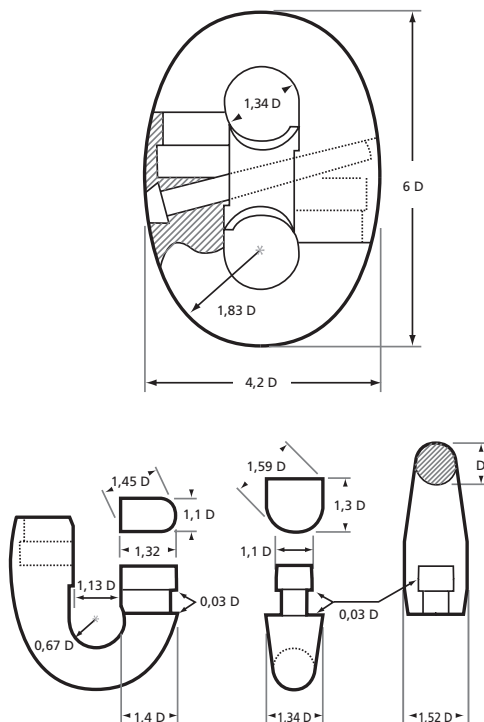


WLL	A		B	C	D	Weight
Tonnes	Inches	mm	mm	mm	mm	Kgs
2	1/2	13	16	22	43	0,3
3,25	5/8	16	19	27	51	0,6
4,75	3/4	19	22	31	59	1,0
6,5	7/8	22	25	36	73	1,460
8,5	1	25	28	43	85	2,6
9,5	1 1/8	28	32	47	90	3,3
12	1 1/4	32	35	51	94	4,7
13,5	1 3/8	35	38	57	115	6,2
17	1 1/2	38	42	60	127	7,6
25	1 3/4	45	50	74	149	12,8
35	2	50	57	83	171	18,1
42,5	2 1/4	57	65	95	190	27,8
55	2 1/2	65	70	105	203	35
85	3	75	82	127	230	60
120	3 1/2	89	95	146	267	93
150	4	102	108	165	400	145
200	4 3/8	120	130	175	500	180
250	4 3/4	125	140	200	540	225
300	5 1/8	135	150	200	600	305
400	5 7/8	165	175	225	650	540
500	6 3/4	175	185	250	700	580
600	7 1/2	195	205	275	700	850
700	7 7/8	205	215	300	730	920
800	8 1/4	210	220	300	730	990
900	8 21/32	220	230	320	750	1165
1000	9	230	240	340	750	1315
1200	9 27/32	250	280	400	840	1700
1500	10 1/4	260	325	460	840	2500

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

JOINING SHACKLE

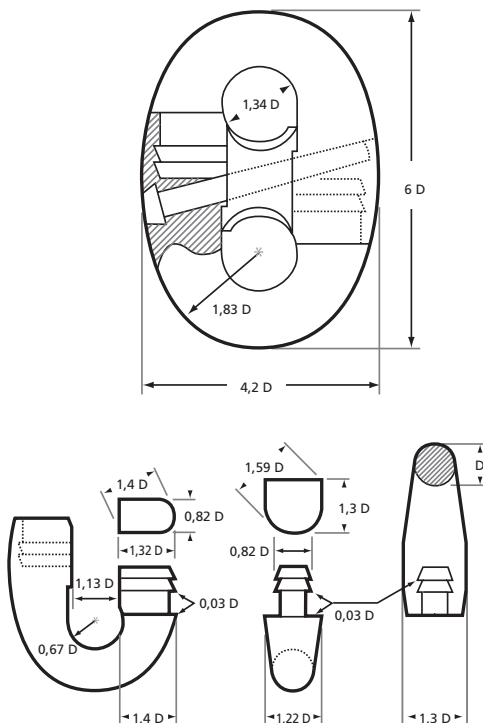
TYPE KENTER



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not hold responsible for any deviate between tables and delivered equipment.

SLIM JOINING SHACKLE

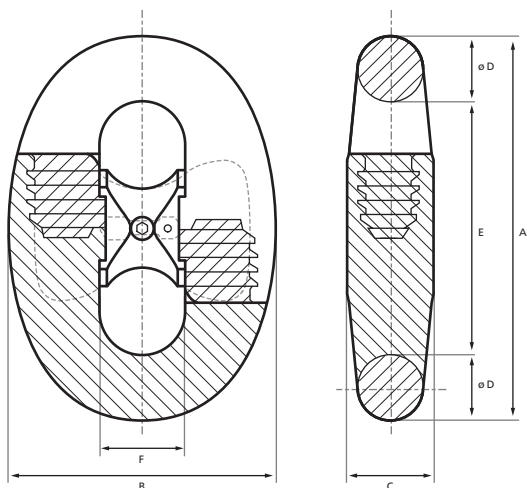
TYPE KENTER



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SLIM JOINING SHACKLE

TYPE Ndur

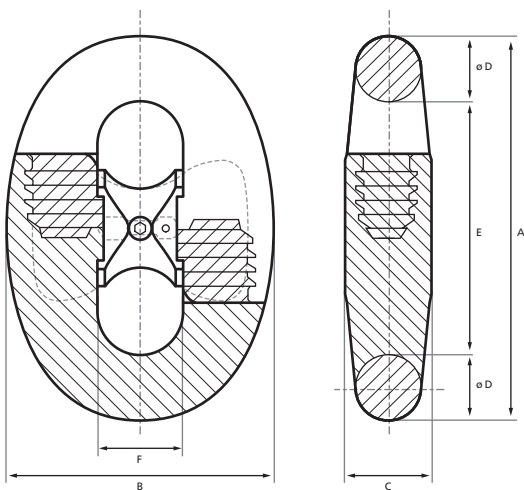


Chain dia.							R4		R4S		R5	
	A	B	C	D	E	F	PL	MBL	PL	MBL	PL	MBL
mm	mm	mm	mm	mm	mm	mm	kN	kN	kN	kN	kN	kN
70	420	294	91	70	280	79	4064	5156	4516	5720	4723	6021
72	432	302	94	72	288	81	4282	5432	4758	6026	4976	6344
74	444	311	96	74	296	84	4504	5714	5005	6339	5234	6673
76	456	319	99	76	304	86	4731	6001	5257	6658	5498	7009
78	468	328	101	78	312	88	4962	6295	5514	6984	5766	7351
80	480	336	104	80	320	90	5198	6594	5775	7315	6040	7700
82	492	344	107	82	328	93	5438	6898	6042	7653	6319	8056
84	504	353	109	84	336	95	5682	7208	6313	7997	6602	8418
86	516	361	112	86	344	97	5930	7522	6589	8346	6891	8785
88	528	370	114	88	352	99	6182	7842	6869	8701	7184	9159
89	534	374	116	89	356	101	6310	8004	7011	8881	7332	9348
90	540	378	117	90	360	102	6439	8167	7154	9062	7482	9539
92	552	386	120	92	368	104	6699	8497	7443	9428	7784	9924
94	564	395	122	94	376	106	6962	8832	7736	9799	8091	10315

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SLIM JOINING SHACKLE

TYPE Ndur

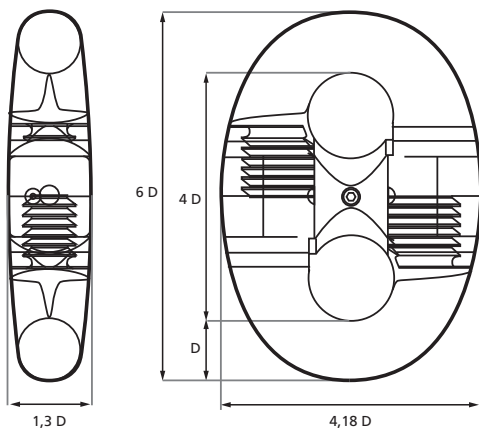


Chain dia.	A	B	C	D	E	F	R4		R4S		R5	
							PL	MBL	PL	MBL	PL	MBL
mm	mm	mm	mm	mm	mm	mm	kN	kN	kN	kN	kN	kN
95	570	399	124	95	380	107	7096	9001	7884	9987	8246	10512
96	576	403	125	96	384	108	7230	9171	8033	10176	8402	10711
98	588	412	127	98	392	111	7501	9515	8335	10557	8717	11113
100	600	420	130	100	400	113	7776	9864	8640	10944	9036	11520
102	612	428	133	102	408	115	8054	10217	8949	11336	9359	11932
105	630	441	137	105	420	119	8478	10754	9420	11932	9851	12560
108	648	454	140	108	432	122	8909	11301	9899	12538	10352	13198
114	684	479	148	114	456	129	9791	12420	10879	13780	11378	14506
117	702	491	152	117	468	132	10242	12993	11380	14415	11902	15174
120	720	504	156	120	480	136	10700	13573	11889	15059	12434	15852
127	762	533	165	127	508	144	11789	14955	13099	16592	13700	17466
133	798	559	173	133	532	150	12746	16169	14163	17939	14812	18883
146	876	613	190	146	584	165	14881	18877	16534	20944	17292	22046
152	912	638	198	152	608	172	15890	20156	17655	22363	18464	23540

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

RF-CONNECTOR

GRADE R4

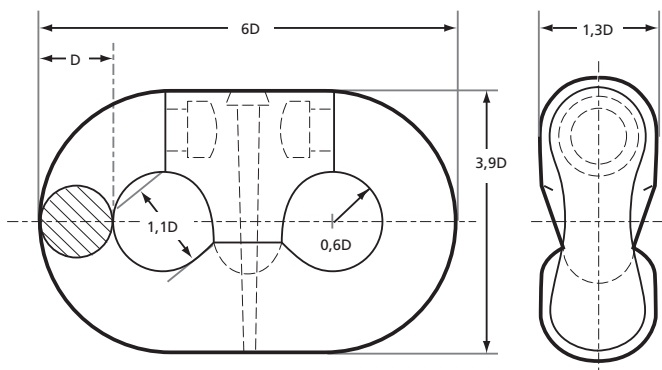


Chain dia.	Proofload	Breakload
mm	kN	kN
70	4065	5156
76	4731	6002
83	5560	7053
84	5682	7208
89	6310	8005
95	7096	9002
102	8055	10217

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

JOINING SHACKLE

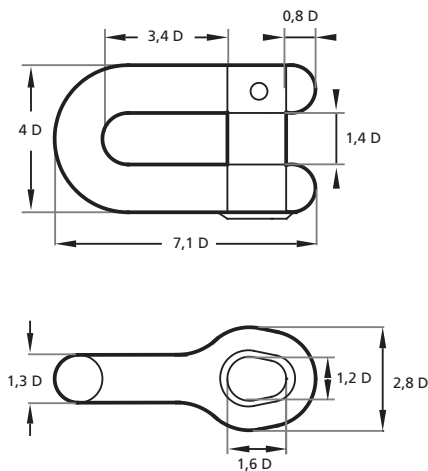
BALDT / C-CONNECTOR



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

JOINING SHACKLE

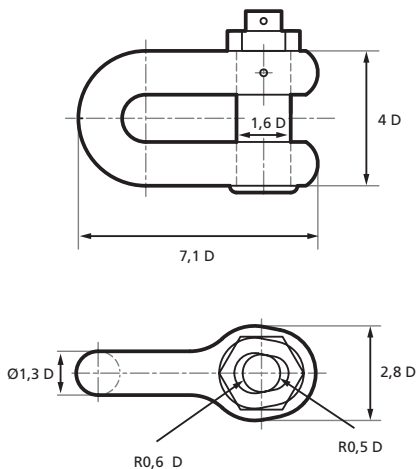
TYPE-D



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

JOINING SHACKLE

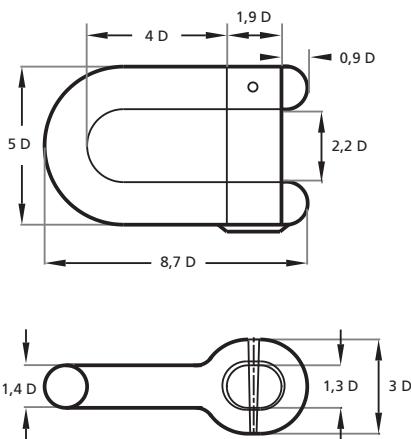
TYPE-D LTM



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

ANCHOR SHACKLE

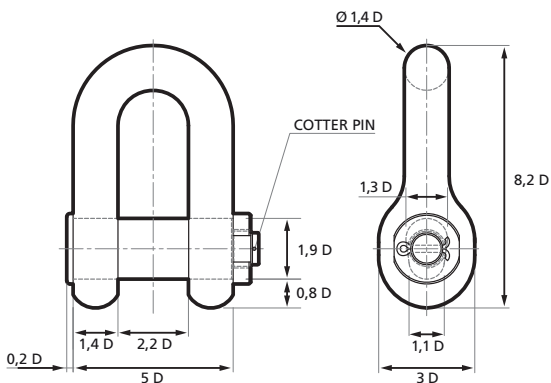
TYPE-D



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

ANCHOR SHACKLE

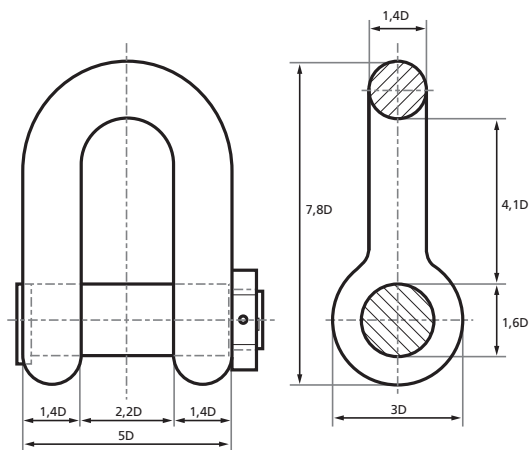
TYPE-D LTM – BOLT & NUT



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

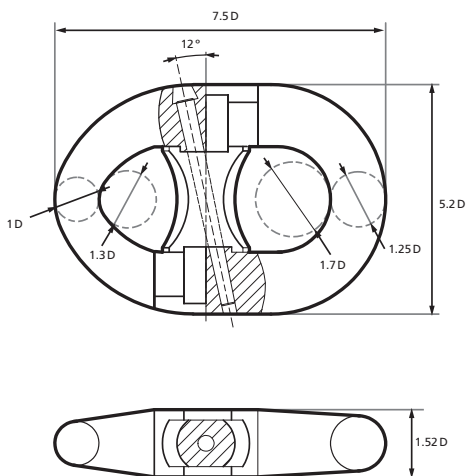
SPECIAL ANCHOR SHACKLE

TYPE-D



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

ANCHOR KENTER SHACKLE

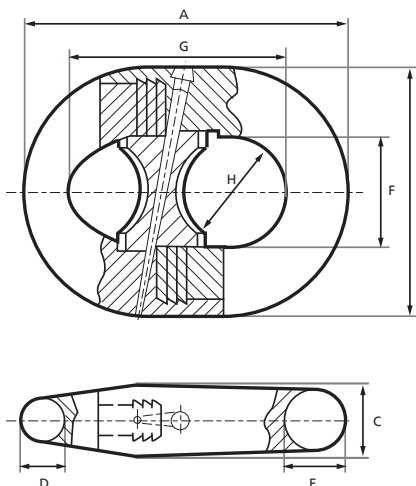


Dia.	Grade	Proof Load	Break Load
mm		kN	kN
76	R3	3417	4885
76	R4	4731	6002
84	R3	4104	5866
84	R4	5682	7208

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

ANCHOR KENTER SHACKLE

TRIDENT / RAPTOR

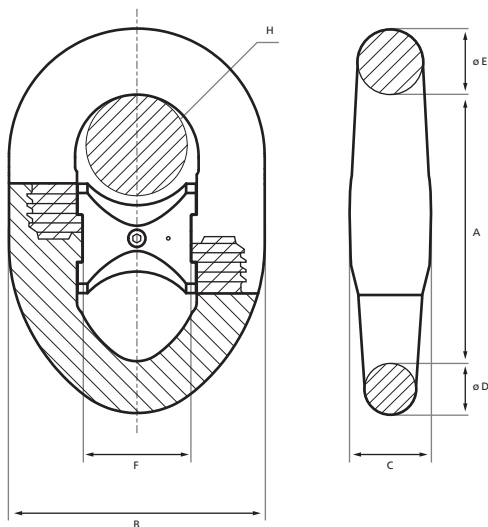


Chain dia.	A	B	C	D	E	F	G	H
mm	mm	mm	mm	mm	mm	mm	mm	mm
76	619	412	130	83	106	175	430	160
84	685	455	141	90	118	193	477	180
89	725	482	152	98	125	205	502	190
95	745	510	163	98	130	217	517	200
120	978	650	205	132	168	276	678	260

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

ANCHOR KENTER SHACKLE

Ndur

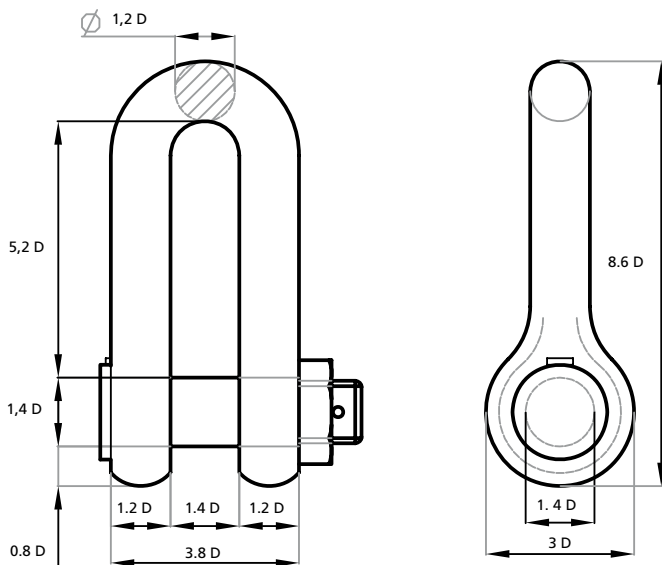


Chain dia.	A	B	C	D	E	F	H	R4		R4S		R5	
								PL	MBL	PL	MBL	PL	MBL
mm	mm	mm	mm	mm	mm	mm	mm	kN	kN	kN	kN	kN	kN
76	619	412	130	83	106	175	160	4754	6030	5282	6691	5524	7043
84	685	455	141	90	118	193	180	5682	7208	6313	7997	6602	8418
89	738	513	162	98	130	213	200	6439	8167	7154	9062	7482	9539
105	855	569	180	116	147	241	220	8478	10754	9420	11932	9851	12560
140	1140	754	239	150	190	322	300	13886	17615	15429	19544	16136	20572

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

END JOINING SHACKLE

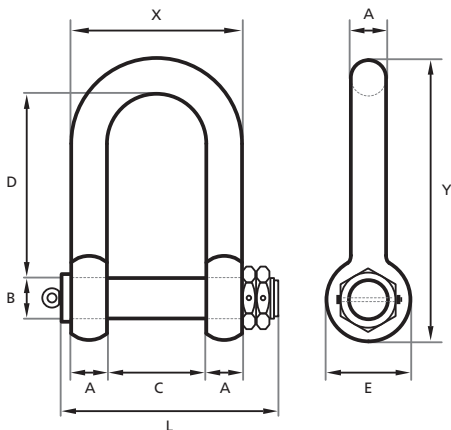
TYPE-D – GRADE R4



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

HEAVY DUTY DOUBLE NUT SHACKLE

HAWSER SHACKLE

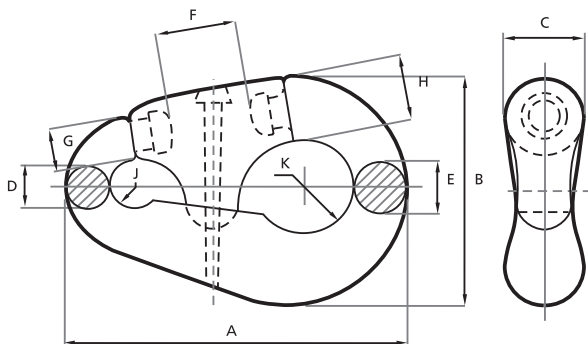


A	B	C	D	E	L	X	Y	Thimble size	Weight	WLL	MBL
mm	mm	mm	mm	mm	mm	mm	mm	inch	Kgs	ton	ton
50	65	140	285	115	345	240	425	8 1/2 - 10	23	34	170
70	76	175	350	165	430	315	541	11 - 13	59	60	300
80	90	220	390	178	505	380	604	14 - 15	85	85	425
90	100	254	430	210	575	434	675	16 - 18	122	110	550
100	114	290	480	235	620	480	755	19 - 21	170	130	650
125	133	300	600	265	695	550	924	19 - 21	282	200	1000
130	144	333	720	280	735	593	1075	22 - 24	349	225	1125

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

PEAR SHAPED END SHACKLE

GRADE 3

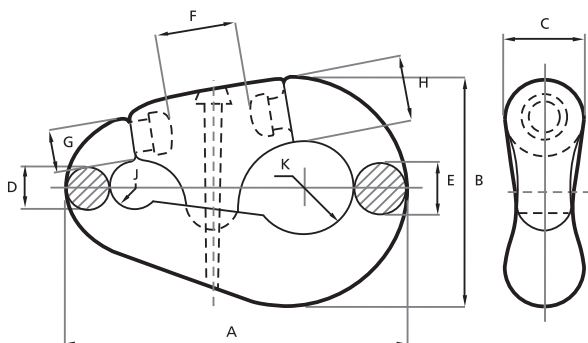


Chain No	Chain dia.	A	B	C	D	E	F	G	H	J	K	Weight	Proof-load	Break-load
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kgs	kN	kN
2	19-24	199	136	39	26	33	58	26	39	17	30	3.6	332	475
3	25-30	245	172	47	31	40	66	37	45	19	35	7.2	514	735
4	32-40	302	206	63	41	49	83	42	58	26	43	14.5	896	1284
5	42-51	381	263	77	52	68	100	58	74	32	52	27.0	1426	2036
6	52-60	462	315	94	62	81	113	64	90	38	65	46.0	1942	2770
7	62-79	568	379	121	81	97	153	84	116	48	76	93.0	3229	4611
8	81-92	658	422	139	96	135	155	112	135	54	79	155.0	4260	6080
9	94-95	700	440	148	98	130	159	124	148	57	89	236.0	4511	6443
10	97-102	900	580	194	122	168	194	130	181	73	108	386.0	5119	7315

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

PEAR SHAPED END SHACKLE

GRADE R3

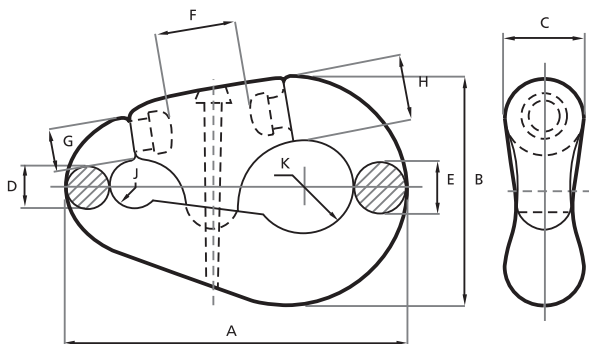


Chain No	Chain dia.	A	B	C	D	E	F	G	H	J	K	Weight	Proof- load	Break- load
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kgs	kN	kN
3	25-30	245	172	47	31	40	66	37	45	19	35	7.2	585	835
4	32-40	302	206	63	41	49	83	42	58	26	43	14.5	1019	1456
5	42-51	381	263	77	52	68	100	58	74	32	52	27.0	1620	2316
6	52-60	462	315	94	62	81	113	64	90	38	65	46.0	2202	3147
7	62-79	568	379	121	81	97	153	84	116	48	76	93.0	3669	5244

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

PEAR SHAPED END SHACKLE

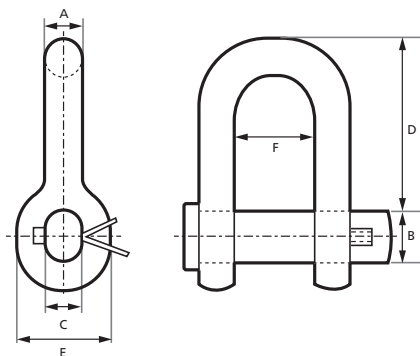
GRADE R4



Chain No	Chain dia.	A	B	C	D	E	F	G	H	J	K	Weight	Proof-load	Break-load
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kgs	kN	kN
4	32-40	302	206	63	41	49	83	4	58	26	43	14.5	1410	1789
5	42-51	381	263	77	52	68	100	58	74	32	52	27.0	2243	2845
6	52-60	462	315	94	62	81	113	64	90	38	65	46.0	3048	3867
7	62-79	568	379	121	81	97	153	84	116	48	76	100.0	5079	6443
8	81-92	658	422	139	96	135	155	112	135	54	79	155.0	6699	8498
9	94-95	700	440	148	98	130	159	124	148	57	89	236.0	7096	9002
10	97-102	900	580	194	122	168	194	130	181	73	108	386.0	8055	10217
11	103-108	940	616	214	127	175	203	156	198	76	111	418.0	8909	11301

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

FORELOCK SHACKLE

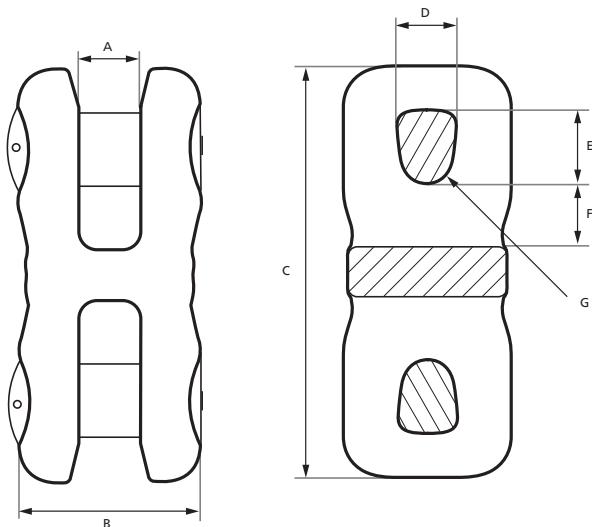


Chain dia.	A	B	C	D	E	F
mm	mm	mm	mm	mm	mm	mm
19	26	34	26	114	42	46
22	32	39	32	132	48	52
26	38	46	38	156	56	61
32	46	57	46	192	69	76
34	48	62	48	204	74	80
38	54	69	54	228	85	92
42	59	75	59	252	92	100

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

H-CONNECTOR

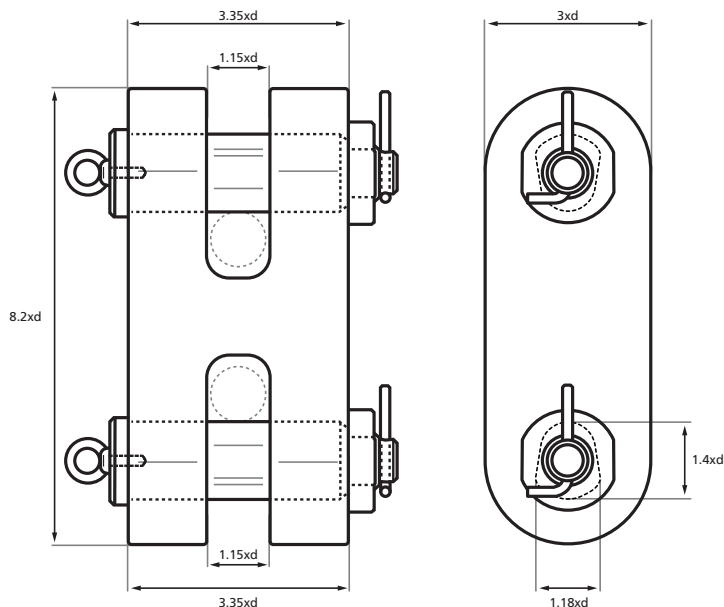
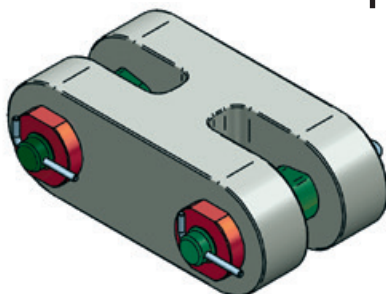
HYBRID 76/84 MM R4



A	B	C	D	E	F	G	Weight	Proof Load	Break Load
mm	mm	mm	mm	mm	mm	mm	kg	kN	kN
97	290	658	92	118	101	R 40	208	5682	7208

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

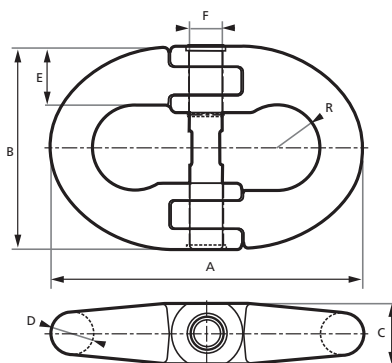
H-LINK



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

CONNECTING LINK

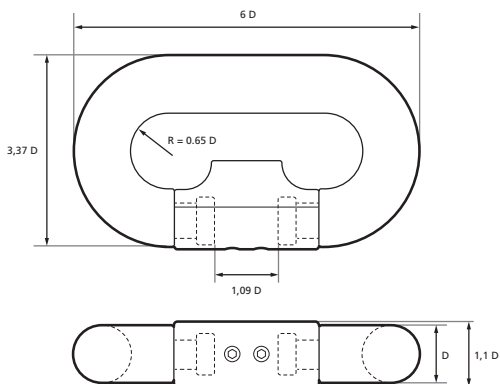
FOR PENNANT LINES



A	B	C	D	E	F	R	Proof Load	Break Load
mm	mm	mm	mm	mm	mm	mm	Tonnes	Tonnes
560	363	108	76,2	103	58	76,2	200	400

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

INSTALLATION LINK

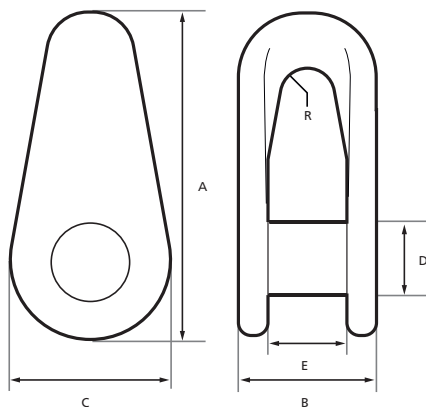


Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SHACKLE

T-MOORING LINK

GALVANIZED

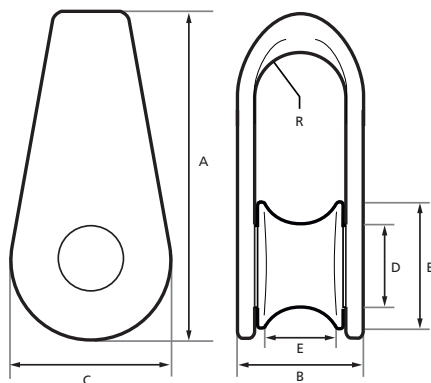


Type	A	B	C	D	E	R	SWL
	mm	mm	mm	mm	mm	mm	ton
90T	285	115	136	65	75	22	30
120T	324	142	150	75	90	28	40
180T	350	184	160	85	120	30	60

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

M-FAIRLEAD SHACKLE

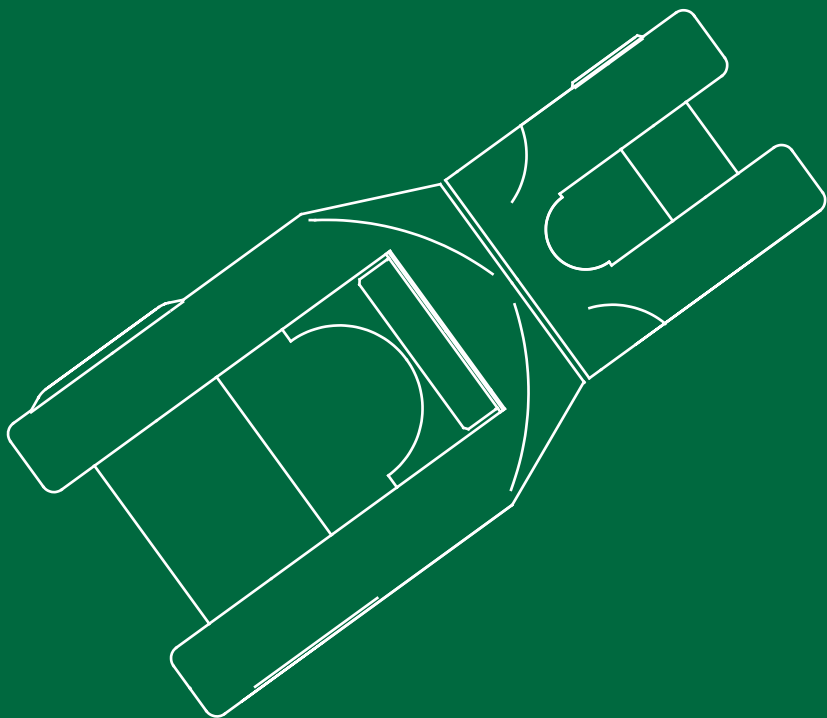
STAINLESS STEEL



Type	A	B	C	D	E	F	R	SWL
	mm	mm	mm	mm	mm	mm	mm	ton
90T	255	97	120	65	67	100	34	30
120T	310	121	130	82	90	128	45	40

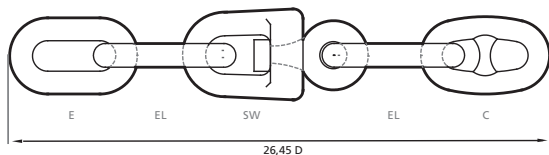
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SWIVELS

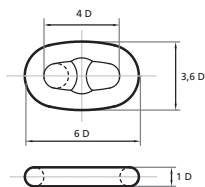


SWIVEL FORERUNNER

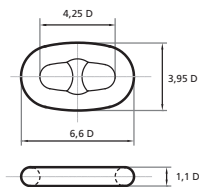
SWIVEL W/4 LINKS (FORERUNNER)



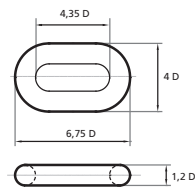
COMMON LINK



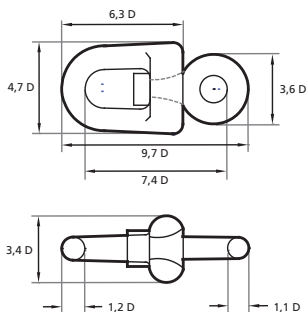
ENLARGED LINK



END LINK



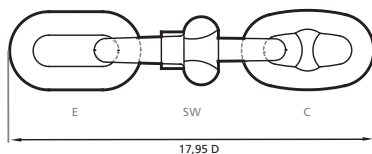
SWIVEL



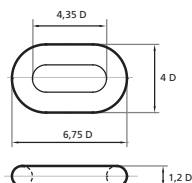
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SHORT SWIVEL FORERUNNER

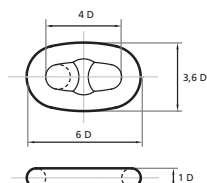
SWIVEL W/2 LINKS (FORERUNNER)



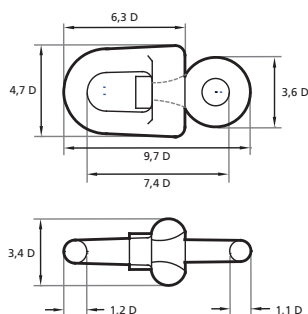
END LINK



COMMON LINK



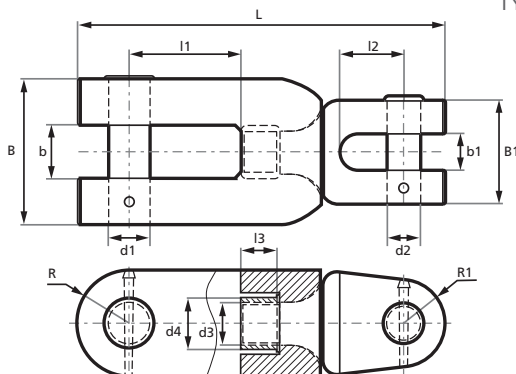
SWIVEL



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SWIVEL SHACKLE

TYPE A

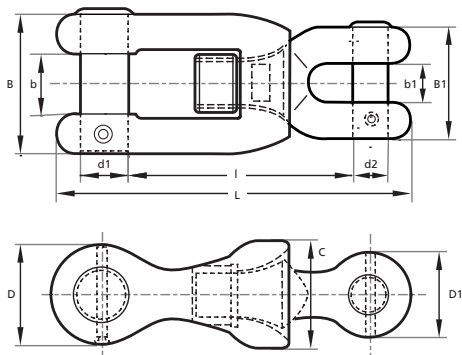


Chain dia.	L	B	B1	b	b1	R	R1	d3	d4	l3	Gr2 Gr3		d2	l1	l2
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
22-24	377	143	94	80	34	48	37.5	M36	70	34	58	60	31	140	61.5
26-28	442	162	116	87	39	58	47	M42	76	39	62	68	36	157	73
30-32	943	185	124	89	45	62	53	M52	78	45	68	78	42	171	73
34-36-38	552	218	148	101	53	74	58	M56	90	53	76	82	49	185	94
40-42	615	243	164	110	59	82	66	M64	98	59	85	90	55	206	106
44-46-48	700	277	196	123	67	98	75	M76	112	67	90	98	62	235	118
50-52	782	298	202	133	73	109	88	M90	120	80	96	107	68	248	125
54-56	802	322	218	146	78	109	88	M90	134	92	102	110	73	258	135
58-60-62	877	356	252	157	88	126	100	M100	142	100	106	118	82	275	152
64-66-68	968	380	265	154	95	136	106	M110	142	105	116	128	88	320	150
70-73-76	1065	426	304	168	106	152	120	M120	154	110	125	136	100	325	184
78-81	1142	454	328	172	113	164	130	M130	162	115	132	145	105	340	183
84-87	1218	487	352	180	122	176	140	M140	174	122	138	152	113	360	214
90-92-95	1326	532	380	200	133	190	152	M150	190	133	148	160	124	400	231
97-100-102	1448	571	412	210	143	206	164	M165	204	143	156	168	133	440	253
105-107	1538	600	420	220	150	210	176	M175	214	150	162	178	140	475	269
111-114-117	1638	660	460	225	165	230	188	M190	215	170	168	184	154	491	315
120-122	1756	705	488	268	175	250	200	M190	252	175	190	190	165	510	284
124-127	1828	735	508	280	185	260	210	M200	264	185	200	200	170	530	296
130-132	1900	765	528	290	190	270	220	M205	274	195	205	205	178	550	307
137	1972	795	548	300	200	285	225	M210	284	200	210	210	185	575	319
142	2044	825	568	310	205	295	235	M215	294	205	215	215	190	595	330
147	2116	850	588	295	215	305	240	M220	298	210	220	220	198	615	342
152	2188	880	608	335	220	315	250	M225	318	215	225	225	205	635	354
157	2260	910	628	345	225	325	260	M235	328	220	235	235	210	660	365
162	2332	940	648	355	235	335	270	M240	338	230	240	240	218	680	377

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SWIVEL SHACKLE

TYPE B

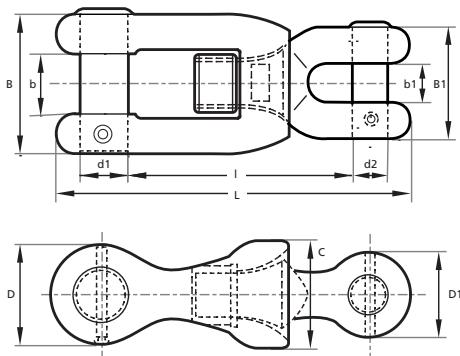


Chain dia.	L	l	B	b	B1	b1	D	D1	d1	d2	C	Weight
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kgs
22	204	189	110	48	88	31	77	66	37	29	84	7.6
24	321	206	120	53	96	34	84	75	41	31	91	9.9
26	347	224	130	57	104	36	91	78	44	34	99	12.5
28	374	241	140	62	112	39	98	84	48	37	106	15.7
30	401	258	150	66	120	42	105	90	51	39	114	19.4
32	427	275	160	70	128	45	112	96	54	42	122	23.4
34	454	292	170	75	136	48	119	102	58	44	129	28
36	481	310	180	79	144	50	126	108	61	47	137	33.4
38	508	327	190	84	152	53	133	114	65	49	144	39.4
40	534	344	200	88	160	56	140	120	68	52	152	46
42	561	361	210	92	168	59	147	126	71	55	160	53
44	588	378	220	97	176	62	154	132	75	57	167	61
46	615	396	230	101	184	64	161	138	78	60	175	70
48	641	413	240	106	192	67	168	144	82	62	182	79
50	668	430	250	110	200	70	175	150	85	65	190	89
52	695	447	260	114	208	73	182	156	88	68	198	101
54	721	464	270	119	216	76	189	162	92	70	205	113
56	748	482	280	123	224	78	196	168	95	73	213	126
58	775	499	290	128	232	81	203	174	99	75	220	140
60	802	516	300	132	240	84	210	180	102	78	228	155
62	828	533	310	136	248	87	217	186	105	81	236	171

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SWIVEL SHACKLE

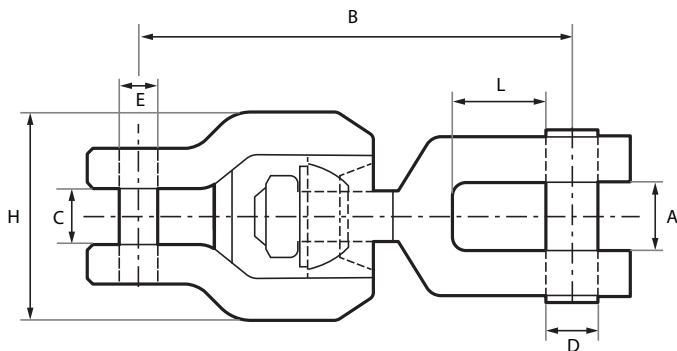
TYPE B



Chain dia.	L	l	B	b	B1	b1	D	D1	d1	d2	C	Weight
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kgs
64	855	550	320	141	256	90	224	192	109	83	243	188
66	882	568	330	145	264	92	231	198	112	86	251	206
68	908	585	340	150	272	95	238	204	116	88	258	225
70	935	602	350	154	280	98	245	210	119	91	266	246
73	975	628	365	161	293	102	255	219	123	95	277	278
76	1015	654	380	167	304	106	266	228	130	99	289	314
78	1042	671	390	172	312	109	273	234	133	101	296	340
81	1082	697	405	178	324	113	286	243	105	105	308	380
84	1122	722	420	185	336	118	294	252	109	109	319	424
87	1162	748	435	191	348	122	305	261	113	113	331	472
90	1202	774	450	198	360	126	315	270	117	117	342	522
92	1229	791	460	202	368	129	322	276	120	120	350	558
95	1269	817	475	209	380	133	333	285	124	124	361	614
97	1296	834	485	213	388	136	340	291	126	126	369	654
100	1336	860	500	220	400	140	350	300	130	130	380	717
102	1363	877	510	224	408	143	357	306	133	133	388	761
105	1403	903	525	231	420	147	368	315	137	137	399	830
107	1430	920	535	235	428	150	375	321	139	139	407	879
111	1483	955	555	244	444	155	389	333	144	144	422	980
114	1523	980	570	251	456	160	399	342	148	148	433	1062
117	1563	1006	585	257	468	164	410	351	152	152	445	1147

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

D'HONE BALL JOINT SWIVEL

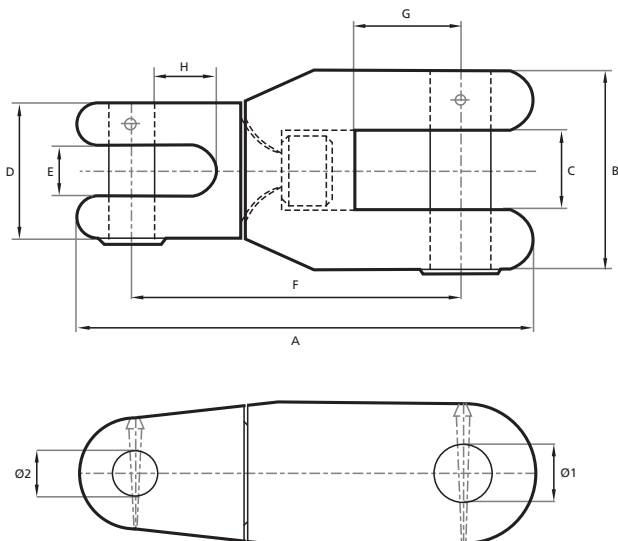


Chain dia.	A	B	C	D	E	H	L	Weight	Matching anchor weight	Test force
mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	kN
16	37	220	25	26	20	100	35	5	70-120	53
20	44	270	30	30	26	125	40	9	121-250	89
26	60	330	35	40	32	160	55	16	251-385	125
30	66	370	42	45	40	180	60	25	386-630	175
33	74	410	50	50	42	200	70	35	631-910	239
36	83	470	55	60	45	210	75	43	911-1400	335
39	90	540	65	70	55	240	90	60	1401-2000	438
45	100	580	75	70	60	260	100	80	2001-2700	537
50	110	615	90	80	65	290	110	100	2701-3500	638
60	140	770	115	90	80	390	150	220	3501-5699	845
70	150	925	125	100	90	440	170	375	5700-7199	987
80	210	1200	140	150	110	520	210	850	7200-9449	1160
90	220	1340	150	160	130	630	230	1100	9450-11250	1260

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SUPERBOX SWIVEL

GRADE R4



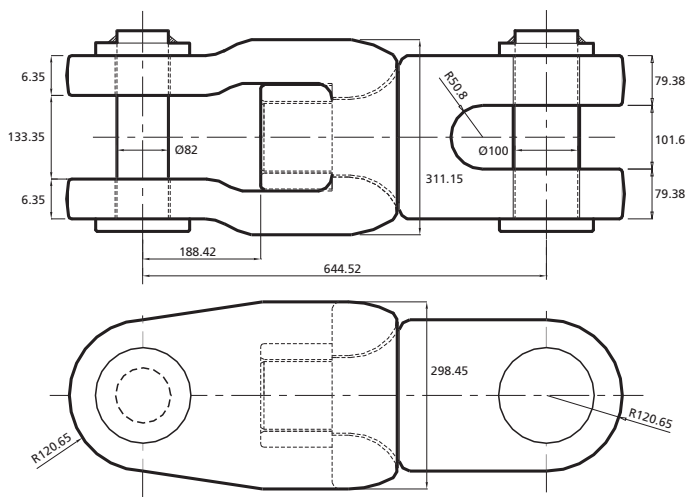
Chain dia.	A	B	C	D	E	F	G	H	Ø1	Ø2
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
76	960	418	191	289	108	695	243	128	130	106
84	1035	435	205	350	123	770	276	113	143	117

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SWIVEL

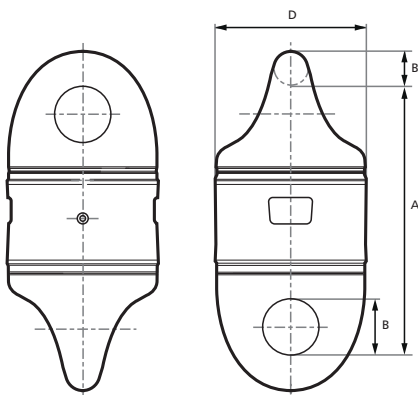
SWIVEL SHACKLE

FOR CHASER



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

C-TECH SWIVEL



Grade R4

Size	Kenter	PL	MBL	A	B	C	D	Weight ±
mm	mm	kN	kN	mm	mm	mm	mm	kg
51	51-64	2327	2952	450	51	80	220	100
64	64-76	3440	4364	540	64	100	275	187
76	76-89	4731	6001	605	76	120	325	284
89	89-102	6310	8004	670	89	140	380	427
102	102-114	8054	10217	755	102	160	435	627

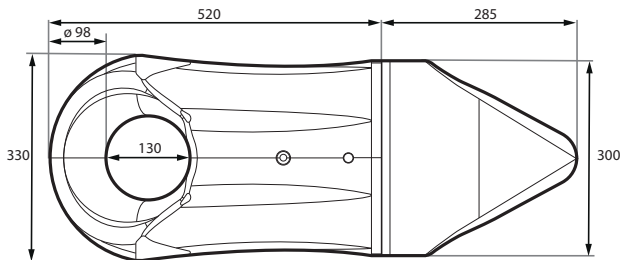
Grade R5

Size	Kenter	PL	MBL	A	B	C	D	Weight ±
mm	mm	kN	kN	mm	mm	mm	mm	kg
51	51-64	2704	3447	450	51	80	220	100
64	64-76	3997	5096	540	64	100	275	187
76	76-89	5498	7009	605	76	120	325	284
89	89-102	7332	9348	670	89	140	380	427
102	102-114	9359	11932	755	102	160	435	627

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

D-TECH SWIVEL

SW800



Proof load: 460 mT.
 Break load: 723 mT.
 Steel quality: 34CrNiMo6+QT
 Weight: 315 kgs

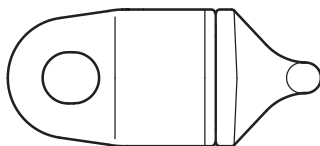
D-tech SW800 swivel is specially designed for anchor handling in deep water with heavy loads. The swivel is machined from a forged Chromium Nickel – High tensile steel with a bronze-aluminium slide bearing system.

This roller bearing swivel is compatible with kenter joining shackle dia. 76 mm and pear shaped end shackle no 7.

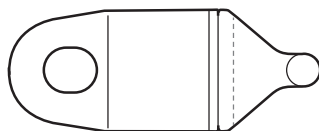
See manual on page 213.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

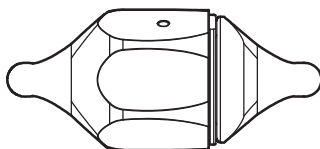
MOORLINK



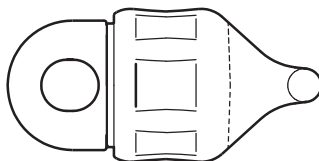
TYPE 177



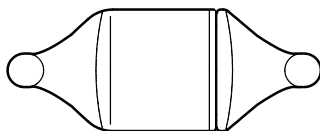
TYPE 193



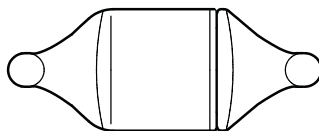
TYPE 209-2



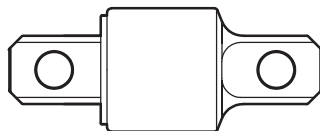
TYPE 210



TYPE 231



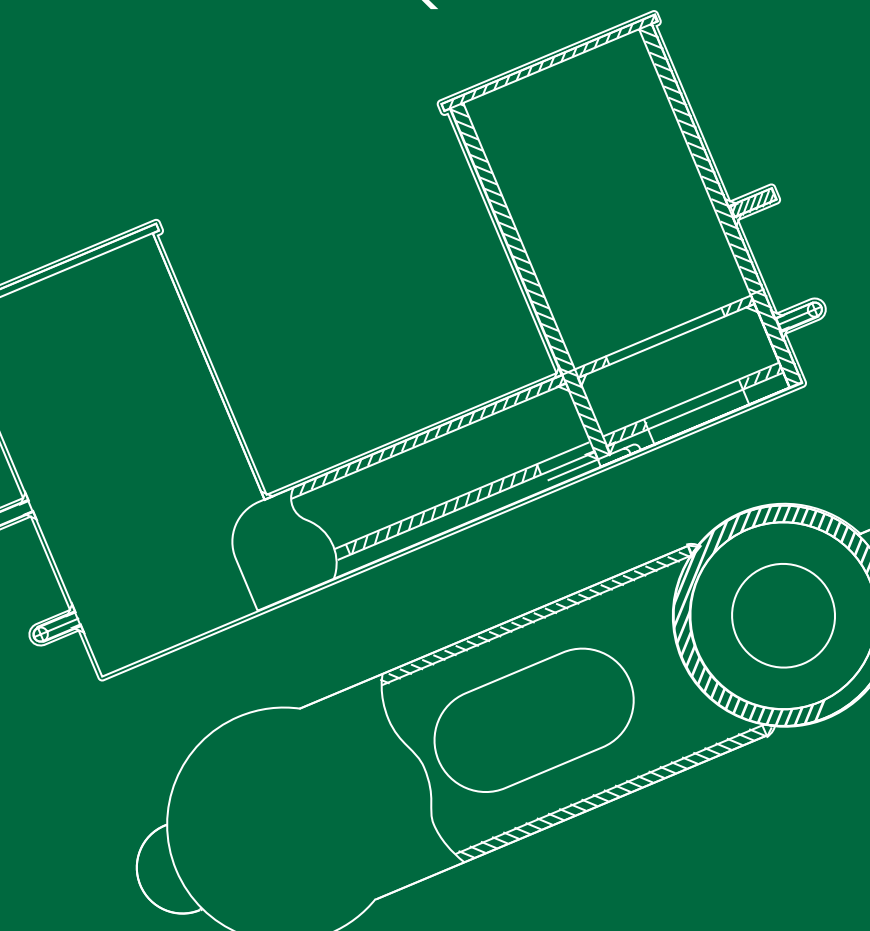
TYPE 231 M5



TYPE 288

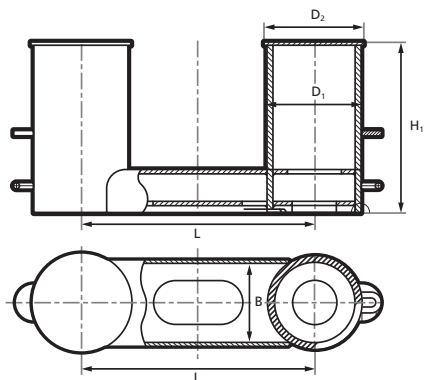
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

TOWING & MOORING EQUIPMENT



DOUBLE BITT BOLLARDS

ISO 13795

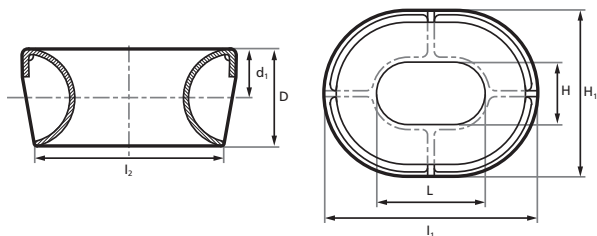


Nominal size	L	B	H1	D ₁	D ₂	SWL		Towing (Eye splice)	Calculated weight
						Mooring (Eight belay)			
						One-rope	Two-rope		
mm	mm	mm	mm	mm	mm	t	t	t	Kgs
150	400	155	330	165.2	185	5.5	5	10	29
200	500	205	395	216.3	240	8.4	6.7	13	46
250A	630	250	505	267.4	290	16	14	27	107
250B	630	250	505	267.4	290	13	11	22	91
300A	800	290	600	318.5	340	34	31	62	281
300B	800	290	600	318.5	340	19	16	36	166
350A	890	340	385	355.6	380	45	43	85	431
350B	890	340	685	355.6	380	25	22	50	241
400A	1000	380	730	406.4	430	61	53	106	570
400B	1000	380	730	406.4	430	33	27	67	322
450A	1100	425	770	457.2	480	77	62	124	712
450B	1100	425	770	457.2	480	39	30	78	379
500A	1250	480	830	508	530	101	77	154	960
500B	1250	480	830	508	530	47	33	93	465
550A	1380	520	900	558.8	580	115	83	165	1123
550B	1380	520	900	558.8	580	80	55	159	787
600	1550	560	950	609.4	630	143	97	193	1391

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

BULWARK CHOCK

ISO 13729

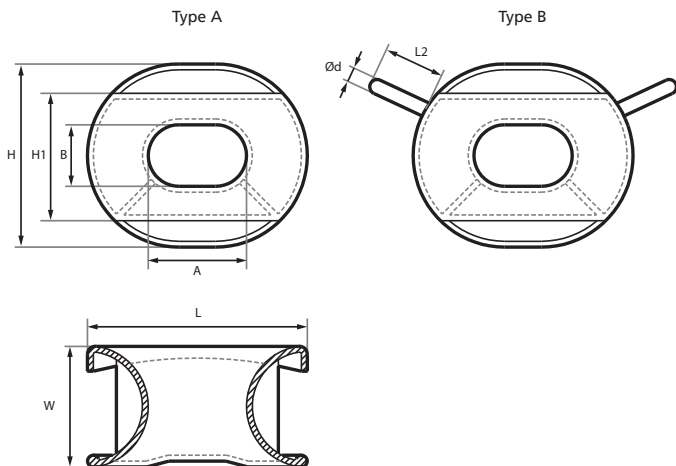


Nominal size	l1	l2	H1	d1	SWL	Calculated weight
LxHxD	mm	mm	mm	mm	t	Kgs
250 × 200 × 214	516	441	466	108	23	49
300 × 250 × 286	638	554	588	144	43	100
350 × 250 × 333	736	646	636	168	56	141
400 × 250 × 381	834	736	684	192	70	184
450 × 250 × 381	884	786	684	192	72	194
500 × 250 × 381	934	836	684	192	78	202
400 × 250 × 428	882	778	732	216	90	264
450 × 250 × 428	932	828	732	216	93	276
500 × 250 × 428	982	878	732	216	95	288
500 × 400 × 428	982	878	882	216	91	311
500 × 250 × 525A	1078	976	828	264	117	379
500 × 400 × 525A	1078	978	978	264	118	408
500 × 250 × 525B	1078	976	828	264	144	405
500 × 400 × 525B	1078	978	978	264	141	442

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

BULWARK CHOCK

DIN 81915

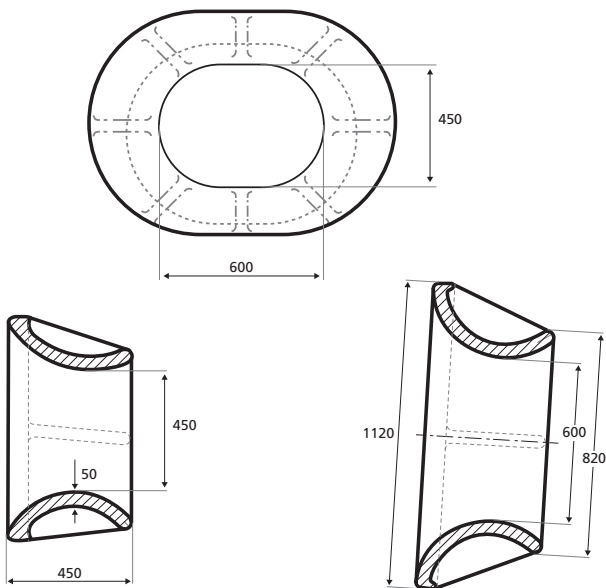


Type	A	B	L	W	H	H1	Ød	L2	SWL	Calculated weight
	mm	mm	mm	mm	mm	mm	mm	mm	kN	Kgs
A2	160	115	360	200	315	225	-	-	20	26
A3	200	140	450	250	390	275	-	-	30	42
A5	250	180	550	300	480	340	-	-	50	72
A8	320	225	680	360	585	415	-	-	80	120
A12	400	270	840	440	710	500	-	-	120	185
A20	500	320	1020	520	840	595	-	-	200	285
A32	600	400	1300	700	1100	800	-	-	320	795
B2	160	115	360	200	315	225	35	125	20	30
B3	200	140	450	250	390	275	40	140	30	48
B5	250	180	550	300	480	340	45	160	50	80
B8	320	225	680	360	585	415	50	180	80	132

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

OCIMF BULWARK CHOCK/FAIRLEAD

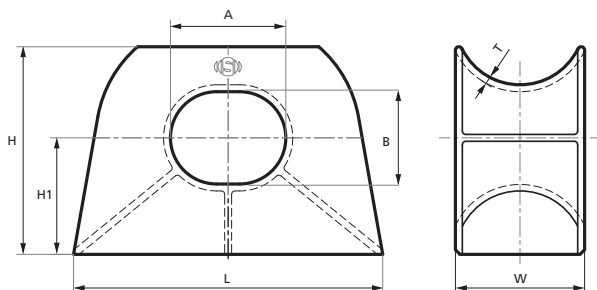
SWL 250T



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

DECK CHOCK

EU TYPE

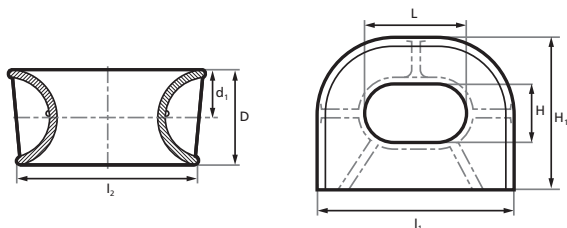


Model	L	W	H	H1	T	B	SWL	Calculated weight
(A x B)	mm	mm	mm	mm	mm	mm	kN	Kgs
400 x 250	804	385	632	305	36	250	700	310
600 x 450	1360	250	1000	575	32	450	1020	680
600 x 450	1360	560	1000	575	36	450	2000	750
600 x 450	1360	560	1000	575	40	450	2500	820
600 x 450	1360	560	1000	575	50	450	3500	1250

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

DECK CHOCK

ISO 13729

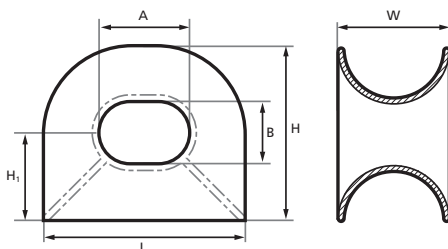


Nominal size	l1	l2	H1	d1	SWL	Calculated weight
LxHxD	mm	mm	mm	mm	t	Kgs
250 × 200 × 214	488	453	427	108	23	73
300 × 250 × 286	614	565	551	144	43	142
350 × 250 × 333	716	660	601	168	56	222
400 × 250 × 381	820	754	652	192	70	310
450 × 250 × 381	870	804	652	192	72	322
500 × 250 × 381	920	854	652	192	78	337
400 × 250 × 428	870	796	701	216	90	434
450 × 250 × 428	920	846	701	216	93	452
500 × 250 × 428	970	896	701	216	95	472
500 × 400 × 428	970	896	851	216	91	528
500 × 250 × 525A	1068	1000	798	264	117	657
500 × 400 × 525A	1068	1000	948	264	118	724
500 × 250 × 525B	1074	1000	801	264	144	753
500 × 400 × 525B	1074	1000	951	264	141	825

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

DECK CHOCK

DIN 81915

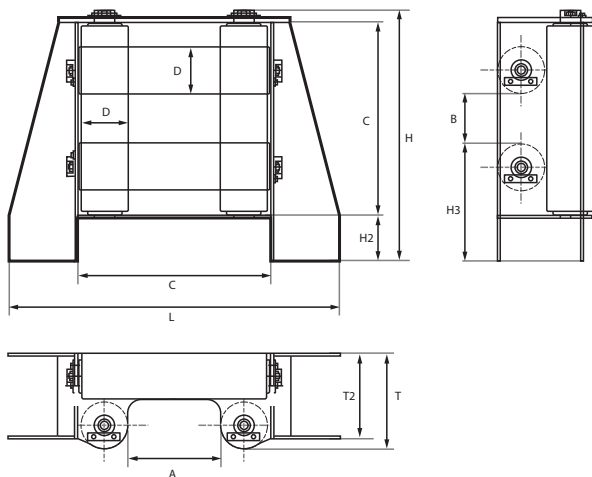


Type	A	B	L	W	H	H1	SWL	Calculated weight
	mm	mm	mm	mm	mm	mm	kN	Kgs
C2	160	115	360	200	316	158	20	29
C3	200	140	450	250	390	195	30	48
C5	250	180	550	300	480	240	50	85
C8	320	225	680	360	586	293	80	136
C12	400	270	840	440	710	355	125	211
C20	500	320	1020	520	840	420	200	356
C32	600	400	1300	700	1100	550	320	840

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

ROLLER FAIRLEAD

DIN 81902

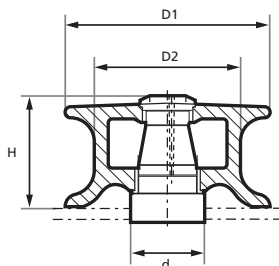


Type	Norm. Pull kN	L mm	T mm	H mm	A mm	B mm	C mm	D mm	T2 mm	H2 mm	H3 mm	Weight Kgs
FA-01	10	460	130	348	120	80	260	60	120	70	160	30
FA-02	20	640	174	464	180	100	364	82	160	80	212	68
FA-03	30	800	219	579	220	120	454	102	180	100	267	140
FA-05	50	900	264	676	250	140	524	127	240	120	312	251
FA-08	80	1000	290	757	280	150	580	140	260	140	355	382
FA-12	120	1200	368	876	300	160	680	178	320	150	410	657
FA-16	160	1300	400	948	320	169	732	194	350	170	452	827
FA-20	200	1350	500	1082	340	180	856	244	450	180	518	1193
FA-32	320	1700	608	1355	400	250	1026	298	550	220	608	2200

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

GUIDE ROLLER

TYPE NS-2585

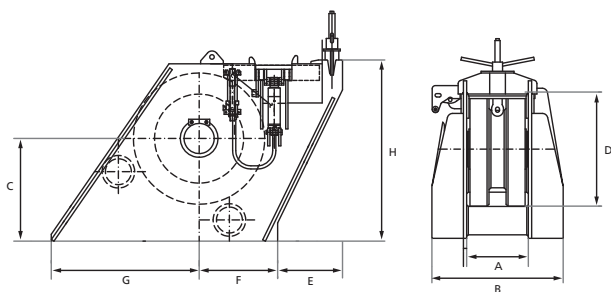


Nominal size mm	D1 mm	D2 mm	H mm	d mm	Break load ton	Weight Kgs
150	240	150	154	90	16	25
200	310	200	186	115	20	50
250	380	250	230	135	29	90
300	440	300	255	155	34	130
350	500	350	271	175	45	170
400	560	400	307	195	58	250
450	630	450	316	210	64	310

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

CHAIN STOPPER

TYPE SMP

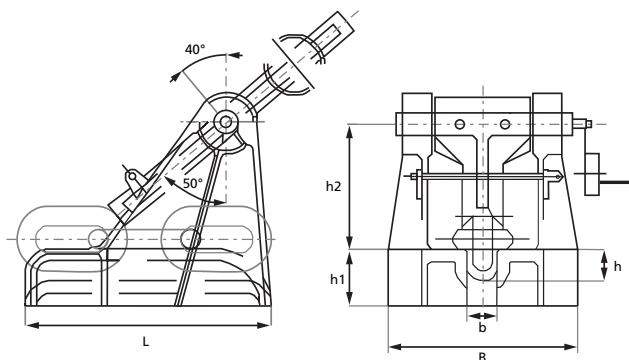


Type	Chain dia.	Weight	A	B	C	D	E	F	G	H
SMP 1	20–26	125	160	350	220	270	200	200	400	500
SMP 2	28–34	200	200	450	275	350	230	250	450	550
SMP 3	36–44	320	250	560	230	440	250	270	520	600
SMP 4	46–52	640	300	640	425	520	270	325	650	750
SMP 5	54–58	940	330	740	515	620	320	380	800	900
SMP 6	60–64	1060	350	780	565	670	340	400	900	950
SMP 7	66–73	1350	410	900	610	750	380	480	950	1100
SMP 8	76–84	1770	470	1000	680	870	430	520	980	1200
SMP 9	85–95	2520	530	1180	780	1000	520	610	1100	1350
SMP 10	96–105	3100	575	1230	830	1100	550	650	1250	1450
SMP 11	107–114	4200	640	1400	930	1250	620	720	1400	1630
SMP 12	117–124	5100	680	1450	1000	1360	720	780	1500	1750
SMP 13	127–132	5600	700	1500	1100	1450	730	820	1650	1920

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

CHAIN STOPPER

TYPE JIS F-2031



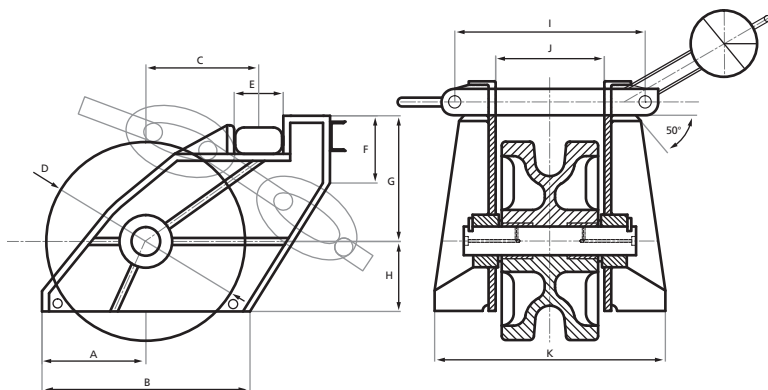
Chain dia. mm	B mm	b mm	L mm	h mm	h1 mm	h2 mm	Weight Kgs
58~60	600	95	780	102	182	394	495
62~64	630	101	835	109	191	421	582
66~68	660	107	885	116	200	446	701
70~73	700	115	950	125	212	478	846
76~78	750	123	1015	133	222	511	1014
81~84	800	134	1095	143	235	550	1268
87~90	850	143	1170	153	248	588	1798
92~95	900	151	1235	162	260	620	1769
97~102	950	161	1350	175	276	665	2277
105~107	1000	170	1400	185	289	703	2664
111~114	1050	180	1480	195	302	742	6054
117~122	1120	191	1585	207	318	790	3660

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

TOWING AND MOORING EQUIPMENT

CHAIN STOPPER

TYPE JIS F2033

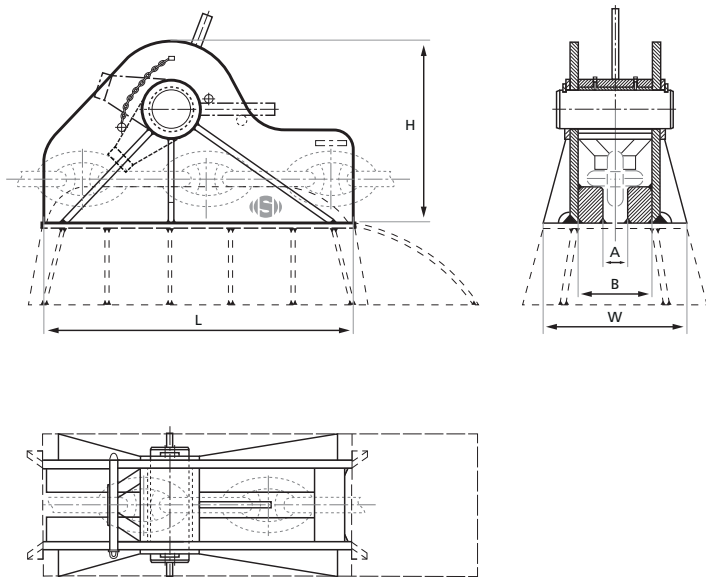


Dia.	A	B	C	D	E	F	G	H	I	J	K
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
30-32	200	400	186	320	83	130	205	150	352	172	352
34-36	230	460	203	360	83	150	225	150	380	200	380
38-40	250	500	229	400	93	180	260	160	390	210	390
42-44	242	484	275	484	110	185	310	170	424	248	506
46-48	280	560	250	528	120	190	360	180	460	286	550
50-52	285	570	320	572	130	195	370	190	470	301	585
54-56	290	580	340	600	140	200	390	200	520	314	630
58-60	300	600	360	620	150	220	380	210	610	330	610
62-64	320	640	370	640	160	224	435	230	614	350	745
66-68	356	712	386	680	170	230	430	240	652	372	790
70-73	365	730	414	730	180	240	460	255	700	400	850
76-78	390	780	442	780	190	260	490	270	730	425	900
81-84	420	840	475	840	200	280	530	290	780	454	970
87-90	450	900	507	900	210	320	570	320	840	484	1030
92-95	475	950	535	950	220	345	610	335	880	508	1080
97-102	510	1020	572	1020	230	375	650	355	940	540	1150
105-107	535	1070	600	1070	240	395	690	380	990	569	1210
111-114	570	1140	637	1140	250	425	740	400	1040	598	1270
117-122	610	1220	679	1220	260	465	790	430	1100	632	1340
122-132	660	1320	730	1320	270	490	860	455	1170	674	1440

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

BOW CHAIN STOPPER

OCIMF TONGUE TYPE

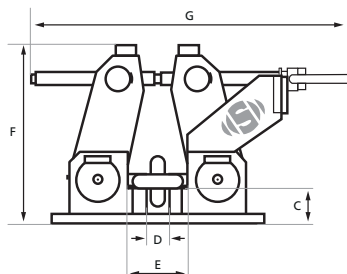


Chain dia.	L	W	H	A	B	SWL for SPM
mm	mm	mm	mm	mm	mm	tonnes
76-78	1510	696	875	123	360	350

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

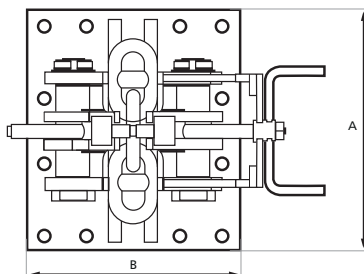
CHAIN CABLE STOPPER

SCREW TYPE MS-2



Remark:

1. For Grade 2 and Grade 3 Chain.
2. Weld or Bolt Mounted on Deck.
3. Class A – Withstand 80% of Chain Cable Braking Load
4. Port and Starboard Side as request.

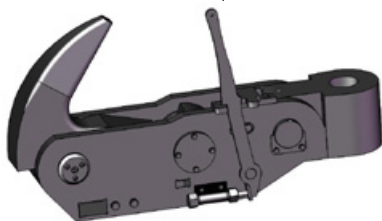
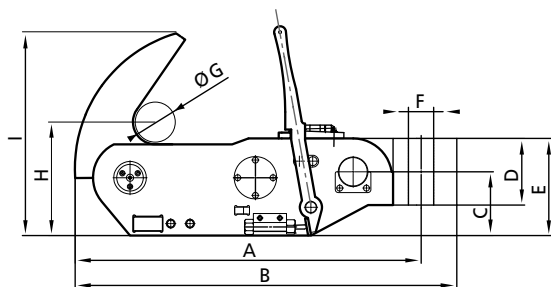


Chain dia. mm	A	B	C	D	E	F	G	Pull load (kN)	
	mm	mm	mm	mm	mm	mm	mm	Grade 2	Grade 3
22–26	500	450	78	50	130	400	680	312	445
28–32	560	500	85	55	141	420	746	466	666
34–36	640	520	90	62	162	504	802	586	840
38–40	640	530	95	65	173	508	802	717	1024
42–44	700	600	104	72	192	512	900	864	1232
46–48	760	680	115	78	210	517	1000	1016	1448
50–52	820	760	128	86	230	540	1080	1180	1689
54–56	960	820	142	90	242	640	1180	1358	1943
58–60	1040	860	162	96	254	668	1220	1546	2213
62–64	1100	900	180	102	264	692	1320	1746	2497

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

QUICK RELEASE TOWING HOOK

TUG BOAT TYPE

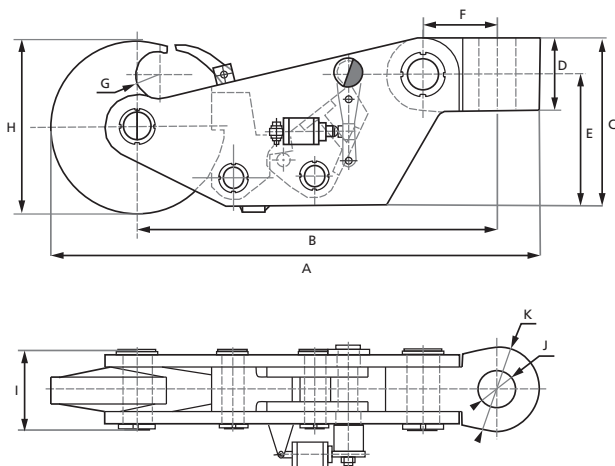


Type	SWL	Test load	A	B	C	D	E	F	G	H	I
	ton	ton	mm	mm	mm	mm	mm	mm	mm	mm	mm
TUG-15	15	30	525	575	93	113	149	40	65	167	308
TUG-30	30	60	794	874	150	146	224	60	100	257	450
TUG-60	60	90	1031	1131	187	180	258	80	130	335	600
TUG-80	80	120	1081	1191	187	203	288	90	130	335	600
TUG-100	100	150	1168	1288	215	225	328	100	150	383	682

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

QUICK RELEASE TOWING HOOK

DISC TYPE

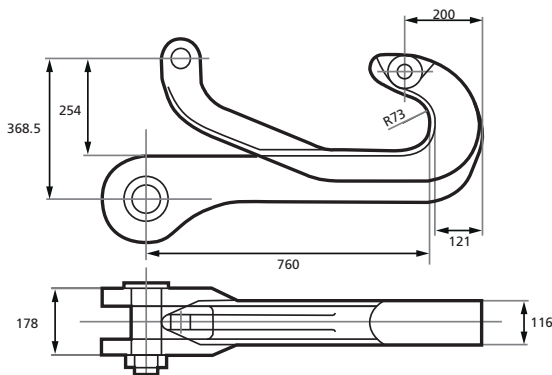


Model	SWL	Proof load	A	B	C	D	E	F	G	H	I	J	K
	ton	ton	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
DISC 7	7	14	712	512	235	100	185	125	65	280	112	45	120
DISC 15	15	30	905	670	325	140	255	250	100	340	144	60	130
DISC 25	25	50	1238	923	445	180	355	200	130	470	186	80	162
DISC 45	45	90	1323	973	455	200	355	200	130	470	218	100	230
DISC 65	65	130	1598	1173	464	220	454	250	162	600	256	110	250
DISC 100	100	150	1750	1068	632	280	492	290	176	650	288	135	270

We can also supply manually operated versions of these hooks.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

QUICK RELEASE HOOK



SWL: 60T

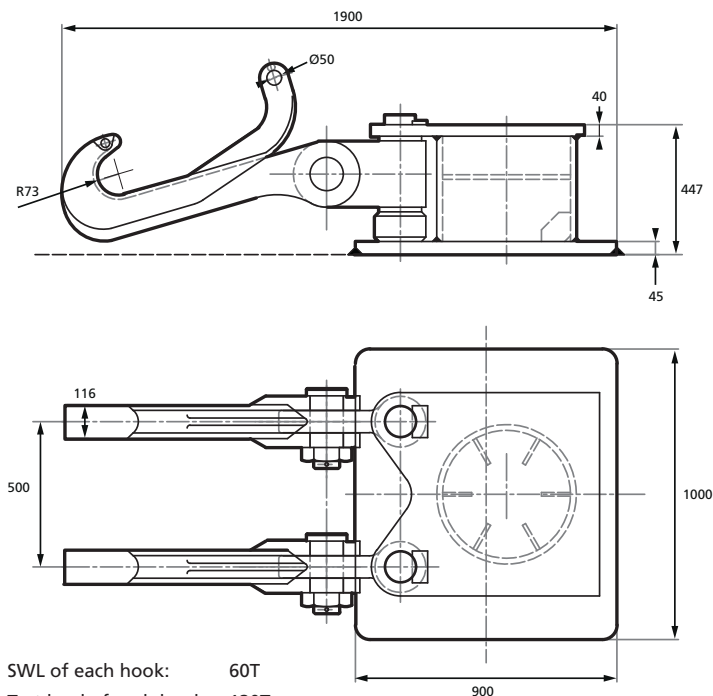
P.L: 120T

Steel: 35CrMo

Other sizes are available on request, please contact our sales department for further information.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

DOUBLE QUICK RELEASE HOOK WITH BASE

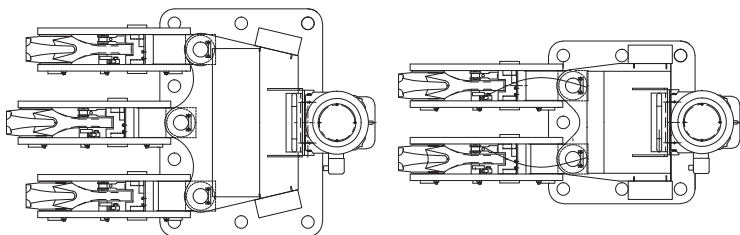
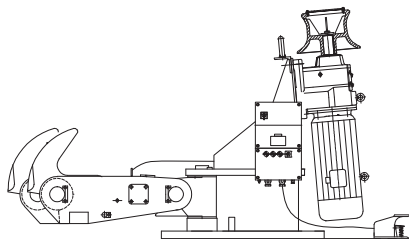


SWL of each hook:	60T
Test load of each hook:	120T
Capacity of base:	120T
Steel:	35CrMo + DH36

Other sizes are available on request, please contact our sales department for further information.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

QUICK RELEASE MOORING HOOK



Quick release mooring hooks can be supplied as single-, double-, triple- and quadrouple hook assemblies.

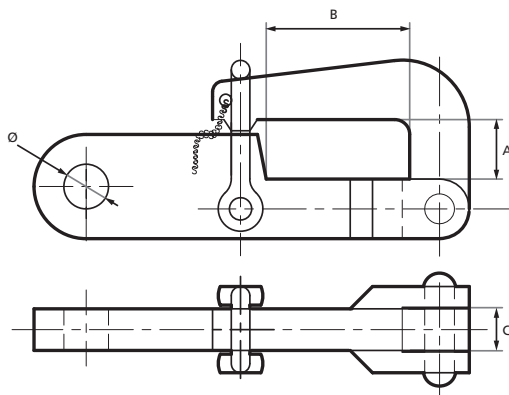
We can also supply manually operated versions of these hooks.

Available SWL per single hook: 45t, 60t, 75t, 100t or 150t.
Proof load: 125% of SWL.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

PELICAN HOOK

DIA. 76–120 MM

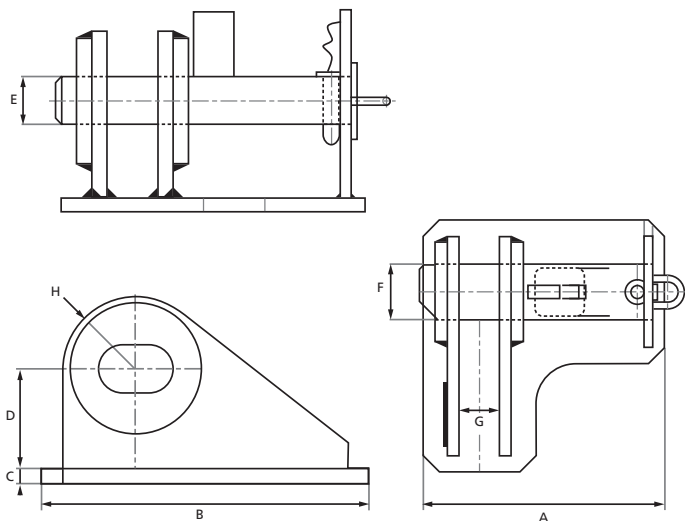


Size	A	B	C	Ø	SWL	TL
mm	mm	mm	mm	mm	t	t
76	84	282	175	75	55	110
105	116	390	244	98	98	196
114	125	422	265	98	113	226
120	132	444	268	113	123.5	247

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

TOWING BRACKET

OCIMF-TYPE

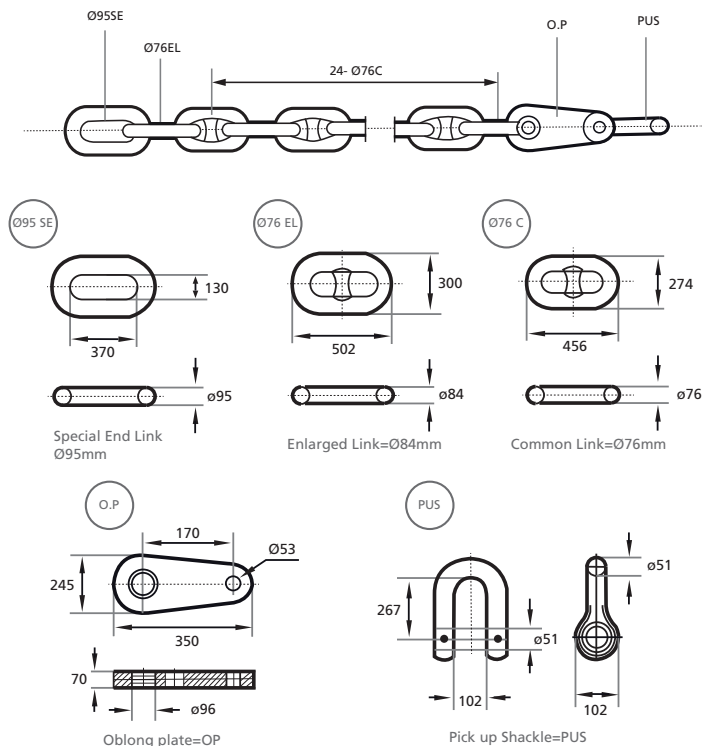


Chain dia. mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	SWL tonnes
38	370	415	20	100	58	88	60	85	50
54	500	555	25	135	78	118	80	110	100
64	600	625	30	190	88	138	100	135	150
76	720	800	35	200	112	170	110	160	200
84	770	830	40	210	118	180	120	180	250
102	940	1120	45	260	130	210	150	225	320
114	1100	1180	50	300	162	250	170	235	380

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

OCIMF CHAFE CHAIN A/B 76 MM

OCIMF-TYPE GRADE R4/R3

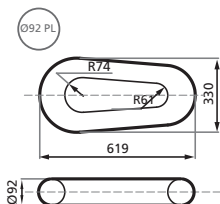
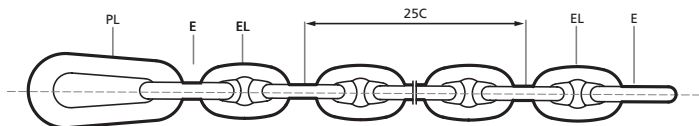


See manual on page 215.

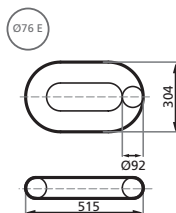
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

CHAFE CHAIN 76 MM

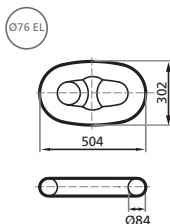
GRADE 3



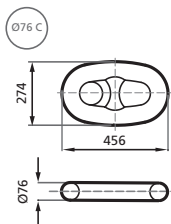
PEAR SHAPED LINK = PL



END LINK = E



ENLARGED LINK = EL



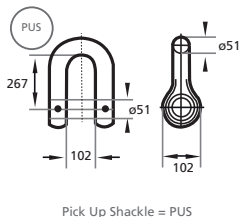
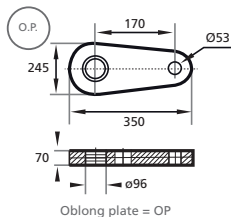
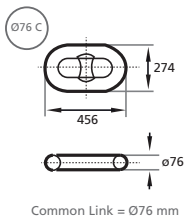
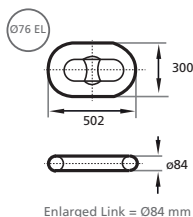
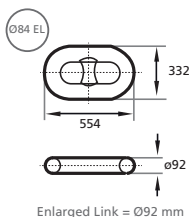
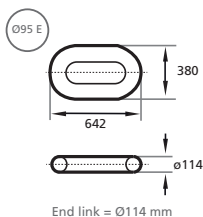
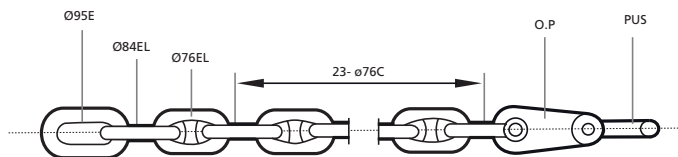
COMMON LINK = C

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SPECIAL CHAFE CHAIN

76 MM

GRADE R4

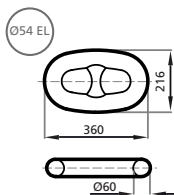
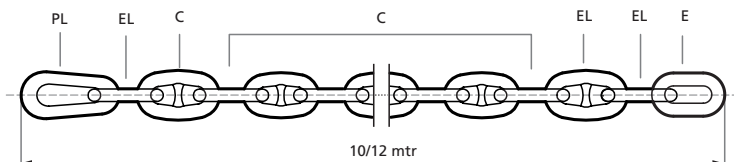


Tolerance: 2,5%

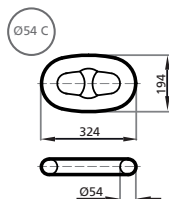
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

CHAFE CHAIN 54 MM

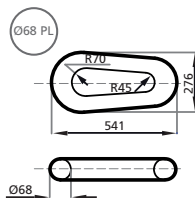
GRADE 3



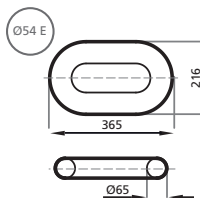
ENLARGED LINK = EL (Ø54)



COMMON LINK = C (Ø54)



PEAR SHAPED LINK = PL (Ø54)

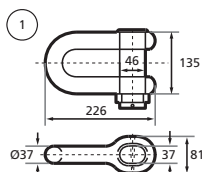
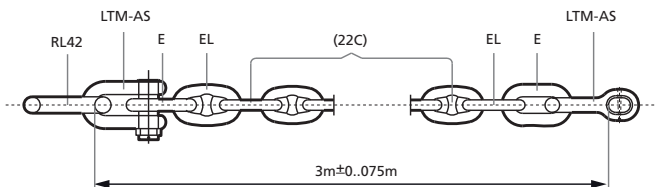


END LINK = E

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

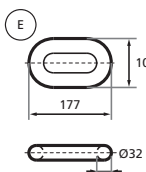
BUOY SUPPORT CHAIN

DIA. 26 MM



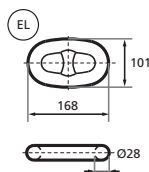
LTM Anchor Shackle = LTM-AS

Material: U3



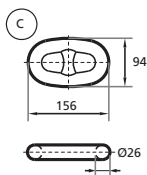
End Link = E

Material: U3



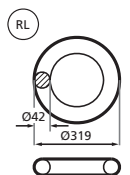
Enlarged Link = EL

Material: U3



Common Link = C

Material: U3



Round Link = RL42

Material: 42CrMo

Chain:

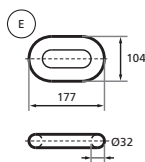
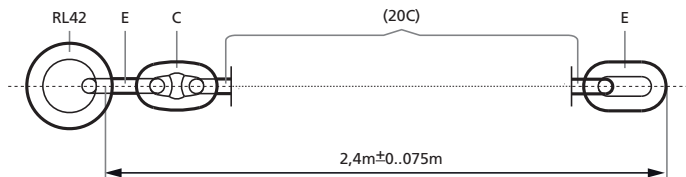
Round Link:

- | | | | |
|------------------------|--------|----------------------|--------|
| 1. Breaking Test Load: | 556 KN | 2. Proof Test Load: | 389 KN |
| Proof Test Load: | 389 KN | Safety Working Load: | 105 KN |
| Safety Working Load: | 105 KN | | |

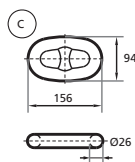
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

PICK UP CHAIN

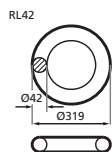
DIA. 26 MM



End Link = E
Material: U3



Common Link = C
Material: U3



Round Link = RL
Material: 42CrMo

Chain:

1. Breaking Test Load: 556 KN
Proof Test Load: 389 KN
Safety Working Load: 105 KN

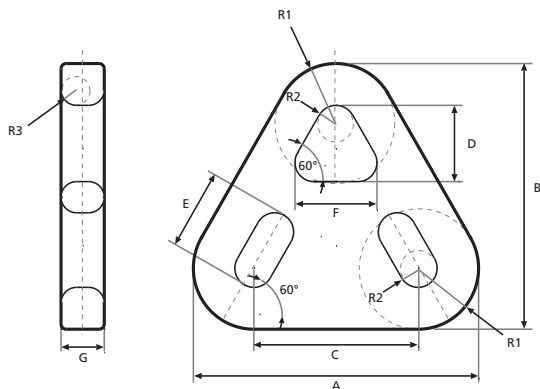
Round Link:

2. Proof Test Load: 389 KN
Safety Working Load: 105 KN

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

TRIPLATE

BERMUDA

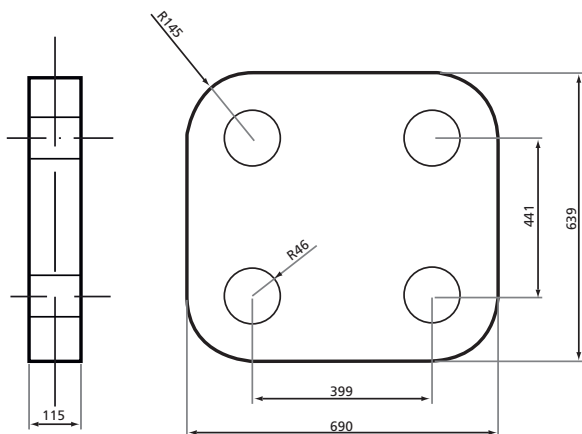


WLL	BL	A	B	C	D	E	F	G	R1	R2	R3	Weight
Tonnes	Tonnes	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kgs
9,5	57	250	230	148	70	75	75	36	51	19	14	12,5
12	72	287	264	175	80	85	87	42	56	20	16	16,5
17	102	355	326	215	95	105	102	50	70	25	20	33,5
35	210	507	469	287	130	143	140	70	110	34	25	83,5
55	330	600	553	350	167	167	180	90	125	40	32	123
85	510	690	639	399	185	195	199	115	145	46	40	191
120	720	825	762	475	219	230	237	125	175	55	45	357
200	1200	1089	1006	627	270	300	289	165	231	73	59	830

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

QUADPLATE

GRADE 3



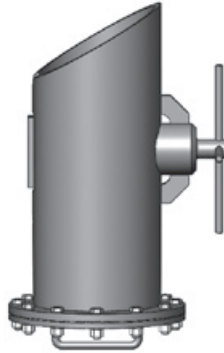
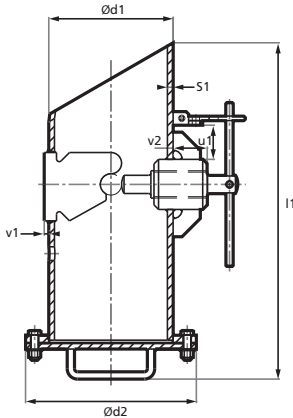
WLL: 85T – BL: 452T

Weight: 415 kgs

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

END FASTENING FOR ANCHOR-CHAIN CABLE

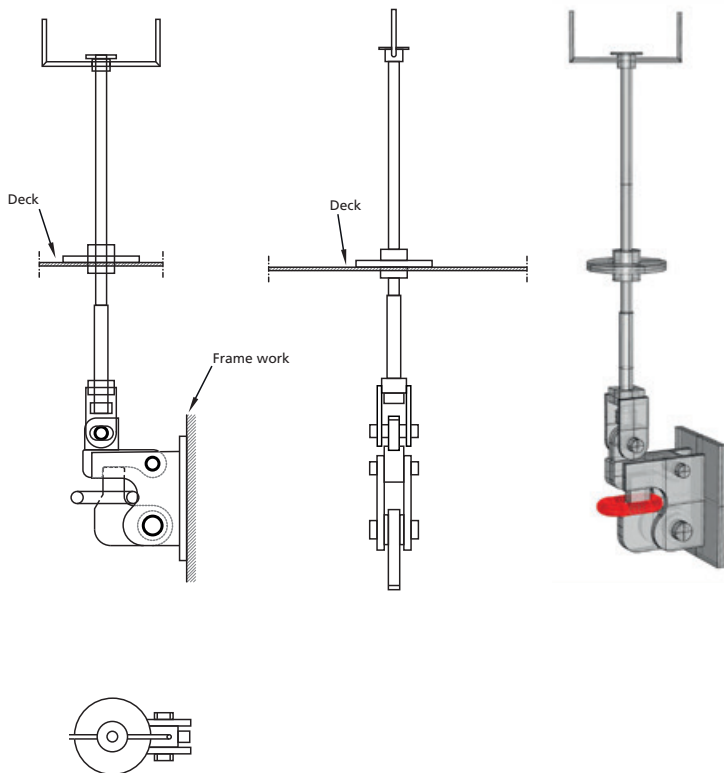
DIN81860



Anchor Chain dia.	Ød1	Ød2	s1	l1	u1	v1	v2
mm	mm	mm	mm	mm	mm	mm	mm
36-46	273	375	12.5	735	75	10	75
48-56	323.9	440	14.2	835	95	12	90
58-68	406.4	540	16	995	110	14	95
70-81	508	645	17.5	1245	105	15	100
84-92	508	645	17.5	1245	130	15	150
95-105	610	754	20	1430	130	18	150
107-114	610	754	20	1430	170	18	185
117-127	711	856	22.2	1615	170	20	185
130-137	813	958	22.2	1790	170	20	185
142-152	914	1060	25	1970	190	22	200

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

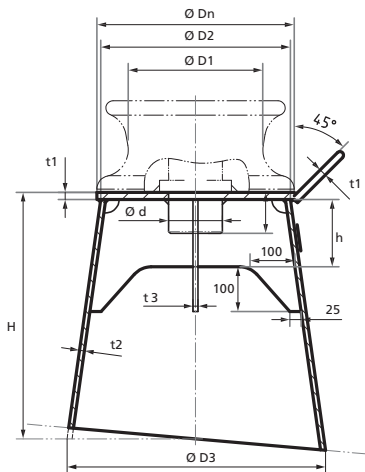
CHAIN LOCKER DEVICE



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

PEDESTAL ROLLER

ISO 13776



Isometric view not to scale.

Nom. size	D1	D2	d	h	h1	t1	t2	t3	SWL (t)		Weight
Dn									Ø = 90°	Ø = 0°	H = 1000 mm
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
150	220	230	71,5	200	100	16	10	16	27	19	115
200	288	300	93,5	200	100	20	12	20	45	32	169
250	357	370	113,5	200	100	22	12,5	22	59	42	210
300	417	430	128,5	225	125	24	13	24	74	52	256
350	472	490	145,5	225	125	26	17	26	106	75	358
400	540	560	154,5	250	150	28	18	28	127	90	436
450	600	620	167,5	250	150	30	20	30	163	115	530
500	655	680	178,5	250	150	32	22	34	198	140	636

Diameter ØD3 is to be calculated depending on the height of the pedestal, H.
 $(D3 = D2 + 2 \times (H - t1) \times \tan 10^\circ)$

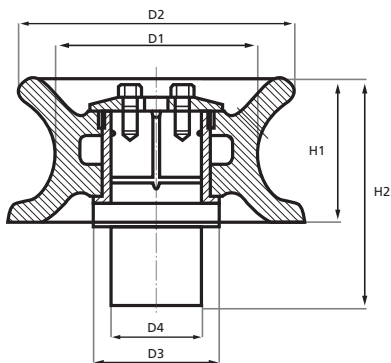
The height H is to be determined for each vessel, but standard height is 500 mm, 1000 mm and 1500 mm.

For more details on the guide roller, see Guide Roller Type ISO 13755, on page 159.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

GUIDE ROLLER

ISO 13755

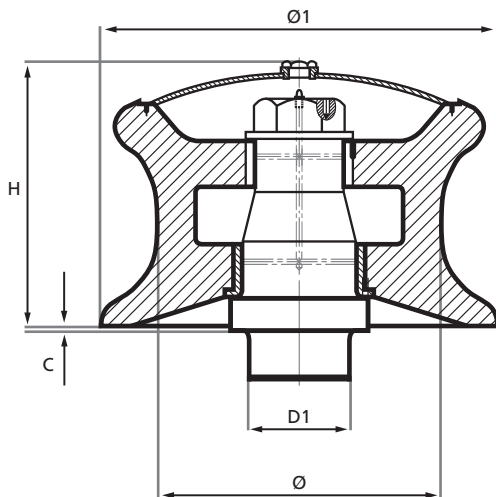


Nom. size Dn	D1	D2	D3	D4	H1	H2	SWL (t)		Weight kg
							Ø = 90°	Ø = 0°	
mm	mm	mm	mm	mm	mm	mm	mm	mm	
150	150	216	105	71	137	212	27	19	29
200	200	280	135	93	157	227	45	32	53
250	250	340	155	113	177	245	59	42	96
300	300	400	175	128	197	289	74	52	136
350	350	460	190	145	217	309	106	75	192
400	400	520	200	154	237	344	127	90	262
450	450	590	220	167	257	364	163	115	347
500	500	660	235	178	277	384	198	140	454

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

GUIDE ROLLER

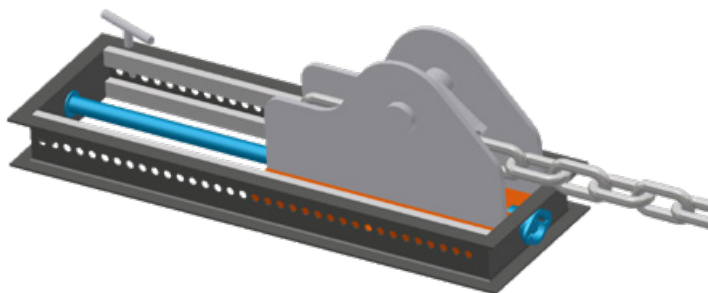
JIS F-2014



Nom. size	Ø	Ø1	H	C	D1	SWL	Weight
Dn	mm	mm	mm	mm	mm	(t)	(kg)
150	150	240	195	3	60	8	32,1
200	200	310	235	3	80	15	64,6
250	250	380	282	4	90	28	108
300	300	440	305	4	110	46	159
350	350	500	330	4	125	58	235
400	400	560	355	5	140	64	336
450	450	620	378	5	155	90	413

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SUBSEA CHAIN STOPPER/TENSIONER

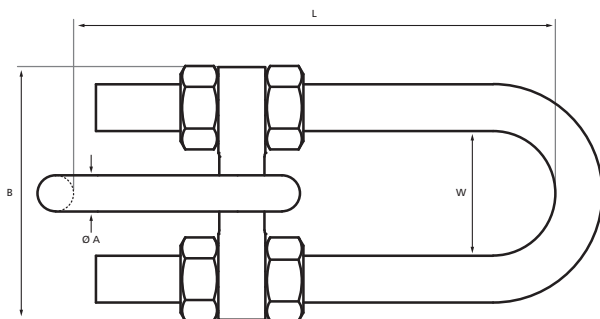
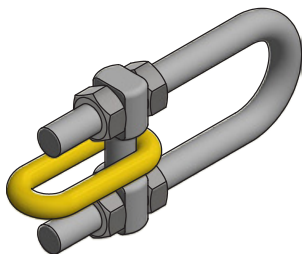


To be installed subsea to tighten mooring lines due to corrosion. Can be made to any chain size required.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

CHAIN TENSIONER

TYPE DOG BONE



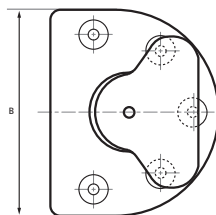
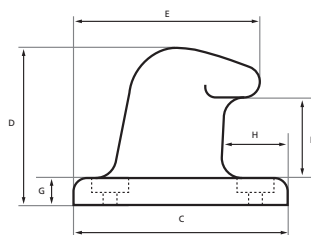
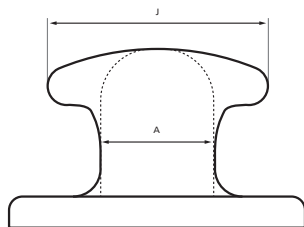
A	B	W	L	Weight	NBL
mm	mm	mm	mm	Kgs	kN
24	160	60	270–350	9	360
30	200	76	340–420	17	560
36	230	90	400–500	27	800
42	270	106	470–600	44	1110
48	300	120	540–680	63	1440
56	350	140	620–800	96	1970
64	400	160	700–900	146	2570

Can be custom made to any size.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

MOORING BOLLARDS

T HEAD TYPE

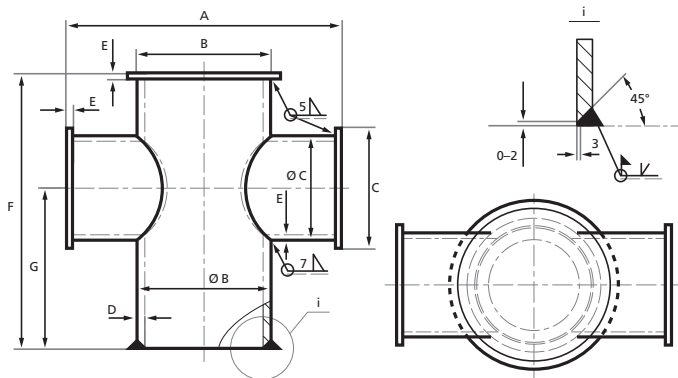


Metric tonne	A	B	C	D	E	F	G	H	J	Bolts Dia.	No.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
10	157	350	305	241	286	127	45	91	248	24	5
15	172	400	350	275	330	135	51	105	300	24	5
20	190	483	410	290	360	145	50	125	360	24	5
30	250	600	540	380	476	190	65	155	460	30	5
50	300	800	650	480	570	245	80	206	600	36	5
60	300	800	650	490	570	245	90	206	600	36	5
75	343	800	720	510	620	260	90	222	650	48	6
100	374	1000	813	600	710	306	100	265	750	45	7
125	376	1000	813	600	710	306	100	265	750	48	7
150	430	1080	900	670	830	350	110	283	800	48	7

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

CRUCIFORM BOLLARD

CROSS BIT / ISO 13707:2012



Nom. size	Type	A	B	C	D	E	F	G	Welding leg lenght *a	SWL *b	Calculated weight *c	
Unit:mm		mm	mm	mm	mm	mm	mm	mm	mm	kN	Ton	Kgs
150	A	350	165.2	114.3	11	8.6	450	225	6	78	8	37
150	B	350	170	120	8	8	450	225	5	78	8	31
200	A	450	216.3	165.2	12.7	11	500	250	7	147	15	58
200	B	450	220	170	10	8	500	250	7	147	15	48
250	A	575	267.4	216.3	15.1	12.7	600	300	8	245	25	92
250	B	575	270	220	13	10	600	300	8	245	25	81
300	A	625	318.5	267.4	17.4	15.1	600	300	10	392	40	132
300	B	625	320	270	15	12	600	300	9	392	40	115
350	A	670	355.6	267.4	19	15.1	600	350	10	491	50	150
350	B	670	360	270	16	12	600	350	9	491	50	130
400	A	720	406.4	267.4	21.4	15.1	600	350	10	736	75	178
400	B	720	410	270	19	14	600	350	9	736	75	165

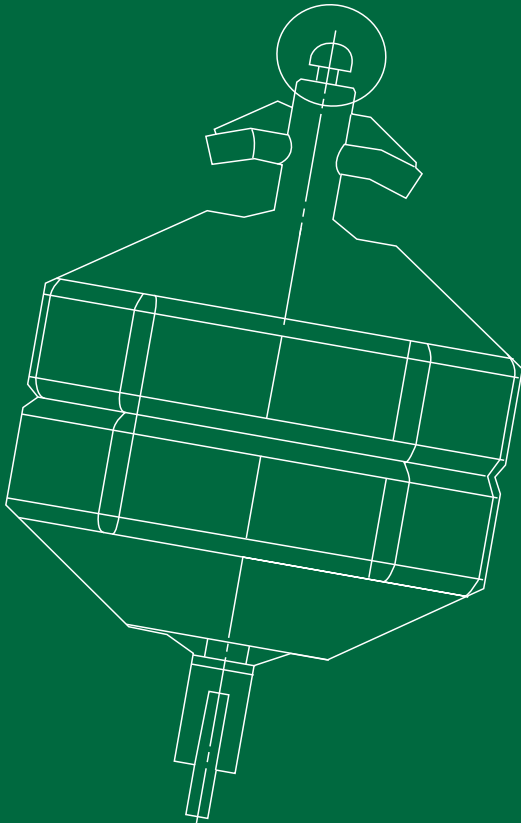
*a Welding with chamfering is available based on the same welding volume/strength;

*b SWL is the maximum applicable rope tension. SWL shown in this table are for reference only;

*c Calculated weight is for reference only.

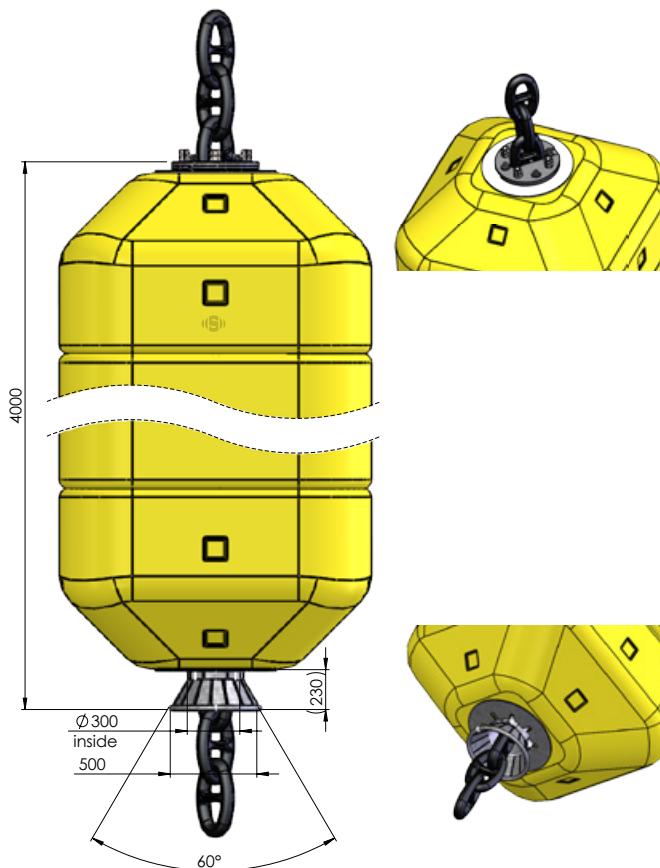
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

BUOYS



MOORING BUOY

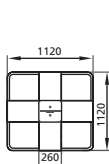
TYPE CHAIN THROUGH



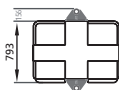
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SUBSEA SUPPORT BUOY

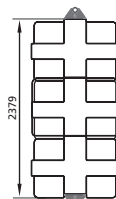
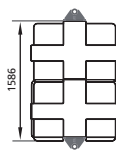
TYPE 850



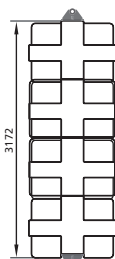
SSB850/1



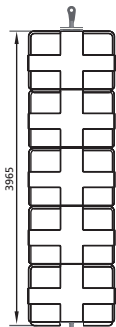
SSB850/2



SSB850/3



SSB850/4



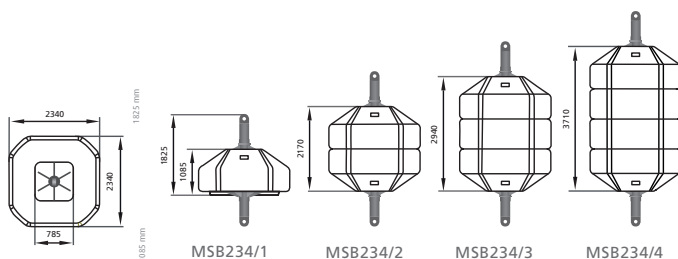
SSB850/5

	SSB850/1		SSB850/2		SSB850/3		SSB850/4		SSB850/5	
Depth	Buoyancy	Weight	Buoyancy	Weight	Buoyancy	Weight	Buoyancy	Weight	Buoyancy	Weight
Surface	680	180	1390	330	2100	480	2800	630	3400	870
250	530	330	1080	630	1640	930	2200	1230	2700	1630
500	490	370	1010	710	1530	1050	2000	1390	2500	1820
800	470	390	960	750	1460	1110	1950	1480	2400	1930
1000	465	395	950	760	1440	1130	1930	1500	2300	1950
1500	420	440	860	860	1300	1270	1750	1680	2100	220
2000	380	480	790	930	1190	1380	1600	1830	1920	2400

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

MODULAR SUPPORT BUOY

TYPE 234

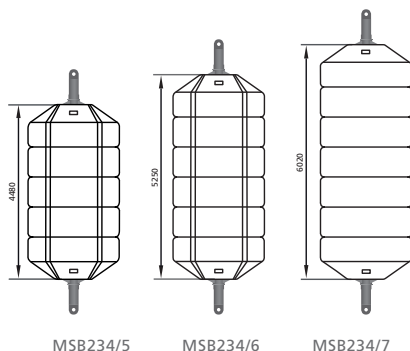


MSB234/1			MSB234/2		MSB234/3		MSB234/4	
Depth	Buoyancy	Weight	Buoyancy	Weight	Buoyancy	Weight	Buoyancy	Weight
Surface	2900	1170	6300	1770	9300	2500	12400	3100
250	2100	1940	4800	3300	7200	4600	9600	5900
500	1960	2100	4400	3700	6600	5100	8900	6600
800	1850	2200	4200	3900	6300	5400	8500	7000
1000	1830	2200	4100	3900	6300	5500	8400	7100
1500	1610	2500	3700	4400	5600	6200	7500	7900
2000	1430	2700	3300	4700	5100	6900	6800	8600

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

MODULAR SUPPORT BUOY

TYPE 234



	MSB234/5		MSB234/6		MSB234/7	
Depth	Buoyancy	Weight	Buoyancy	Weight	Buoyancy	Weight
Surface	15400	3700	18500	4300	21500	5000
250	12000	7200	14400	8500	16800	9700
500	11100	8000	13300	9500	15600	10900
800	10600	8500	12700	10100	14900	11600
1000	10500	8600	12600	10200	14700	11800
1500	9400	9700	11300	11500	13200	13300
2000	8600	10600	10300	12500	12100	14400

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

MOORING BUOY

TYPE SFFB



SFFB 700



SFFB 2000



SFFB 3300



SFFB 4400

Model	Volume	Net buoyancy	Weight	Height	Width
	liter	kg	kg	mm	mm
700 SFFB	830	730	130	900	1110
2000 SFFB	2180	2040	210	1220	1620
3300 SFFB	3580	3330	340	1770	1620
4400 SFFB	4840	4400	590	1940	1800

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

SURFACE BUOY

TYPE SFFB



SFFB 4900



SFFB 6300



SFFB 7800



SFFB 8200

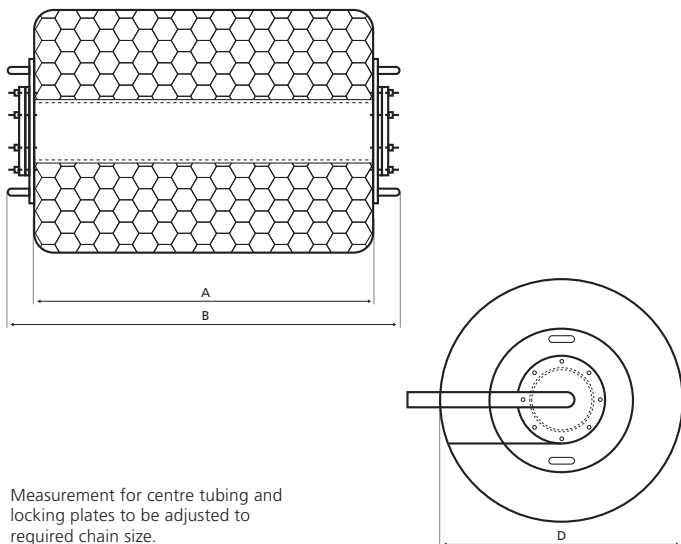


SFFB 11300

Model	Volume	Net buoyancy	Weight	Height	Width
	liter	kg	kg	mm	mm
4900 SFFB	5140	4850	420	2370	1620
6300 SFFB	6900	6300	800	2630	1800
7800 SFFB	8300	7770	760	2170	2340
8200 SFFB	8950	8200	1000	3310	1800
11300 SFFB	12070	11310	1090	2940	2340

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

CHAIN THROUGH BUOY



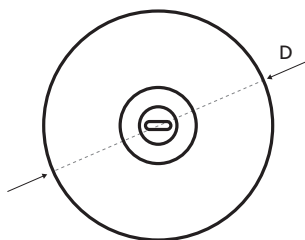
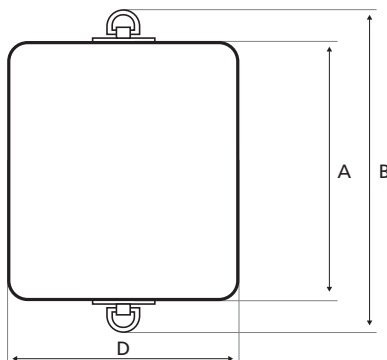
Measurement for centre tubing and locking plates to be adjusted to required chain size.

Type	Buoyancy	A	B	D	Weight in Air
	Kgs	mm	mm	mm	Kgs
CTB1500	1500	2000	2666	1195	520
CTB1750	1750	2000	2666	1260	545
CTB2000	2000	2000	2666	1325	560
CTB2250	2250	2000	2666	1395	580
CTB2500	2500	2000	2666	1450	610
CTB2750	2750	2000	2666	1505	630
CTB3000	3000	2000	2666	1565	658
CTB3500	3500	2000	2666	1680	750
CTB4500	4500	2000	2666	1900	880

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

CYLINDRICAL BUOYS

CHAIN SUPPORT



Type	Buoyancy	A	B	D	Weight in Air
	Kgs	mm	mm	mm	Kgs
CB1000	1000	1550	2200	1080	375
CB1250	1250	1550	2200	1160	380
CB1500	1500	2000	2666	1130	445
CB1700	1700	2000	2660	1180	455
CB1750	1750	2000	2666	1190	460
CB1850	1850	2000	2666	1230	470
CB2000	2000	2000	2666	1290	485
CB2250	2250	2000	2666	1340	500
CB2500	2500	2000	2666	1400	515
CB2800	2900	2000	2666	1510	595
CB3000	3000	2000	2666	1520	550
CB3200	3200	2000	2666	1560	560
CB3500	3500	2000	2666	1630	580
CB3900	3900	2000	2666	1705	605

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

MARKING LIGHTS

WITH GPS



A marking light tailored for aqua culture which meets all Norwegian coastguard demands.

Marking light GPS consist of a rotational molded shell, battery, radar reflector and LED-lights with GPS. The LED-light is standard IALA and has minimal battery consumption, and can easily be installed on the buoy with the use of an adaptor. Battery duration: 2 years.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

BUOY

MARKING LIGHTS

JOTRON



TRON ML-100



TRON ML-200



TRON ML-300

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

MARKING LIGHTS

SABIK SBFL 160

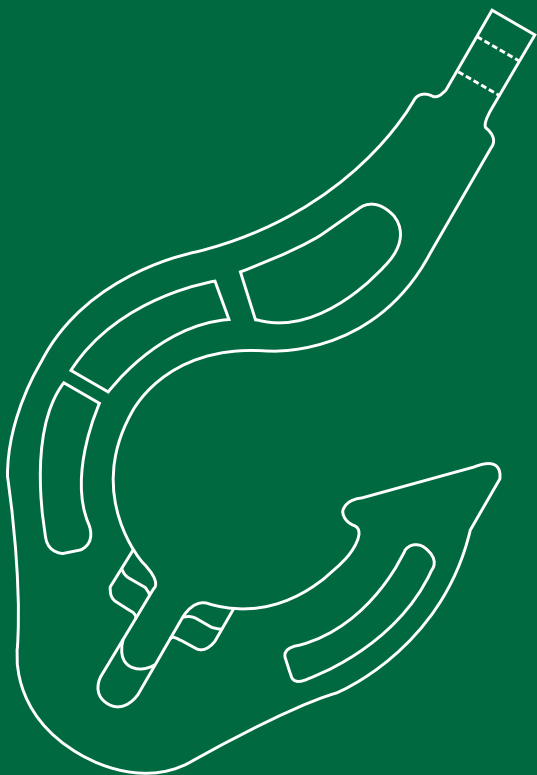


SBFL 160 is a marker light especially developed for aquaculture farms. The unit is designed to meet requirements regarding night and day time visibility as well as radar visibility. It can also be installed directly on floats for aquaculture farms.

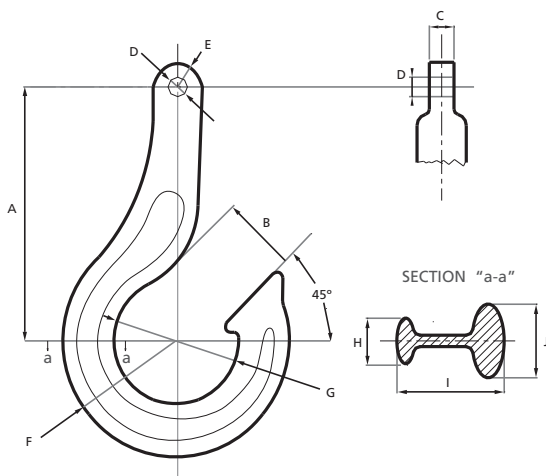
The marker light consists of a yellow buoy tube with integrated alkaline battery, LED lantern, light reflectors as well as internal radar reflector. The partly integrated, robust lantern has very low power consumption and is equipped with GPS synchronization.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

CHASERS



J-TYPE CHASER



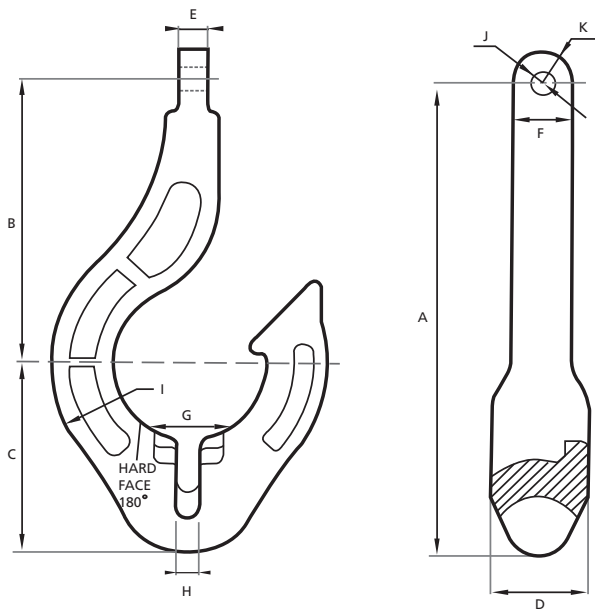
SWL	A	B	C	D	E	F	G	H	I	J
ton	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
110	1702	546	121	Ø99	R146	R762	Ø845	178	430	305
130	1702	546	121	Ø99	R146	R762	Ø845	178	430	305
150	1828	584	130	Ø102	R146	R822	Ø914	178	460	330
250	1575	546	175	Ø132	R175	R762	Ø845	203	430	330

Larger sizes available on request.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

J-LOCK CHASER

SINGLE CHAIN GRABBER

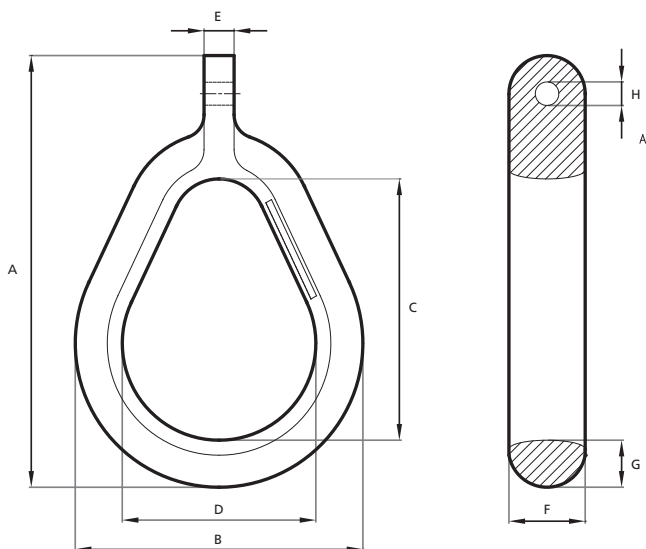


SWL	PL	A	B	C	D	E	F	G	H	I	J	K
tonnes	tonnes	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
110	250	2087	1702	1105	406	121	254	261	92	R762	Ø86	R127
250	400	2616	1575	1041	530	175	330	381	130	R762	Ø132	R165

Larger sizes available on request.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

PERMANENT CHASER



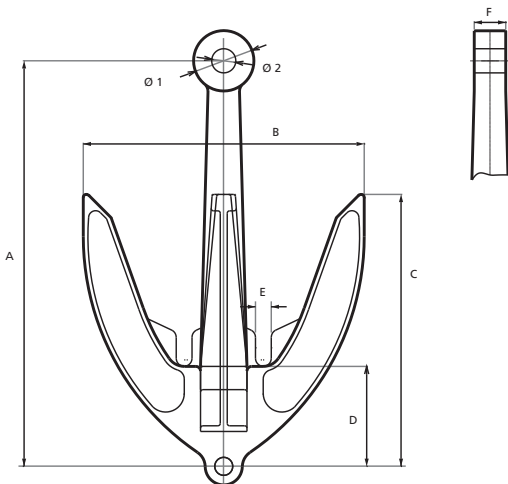
Type	A	B	C	D	E	F	G	H	SWL	Proof Load
	mm	mm	mm	mm	mm	mm	mm	mm	tonnes	tonnes
SOT110	1867	1245	1130	838	130	330	203	102	130	250
SOT4110	2040	1301	1130	838	191	406	261	144	250	350

Larger sizes available on request.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

GRAPNEL

4 PRONG GRAPNEL

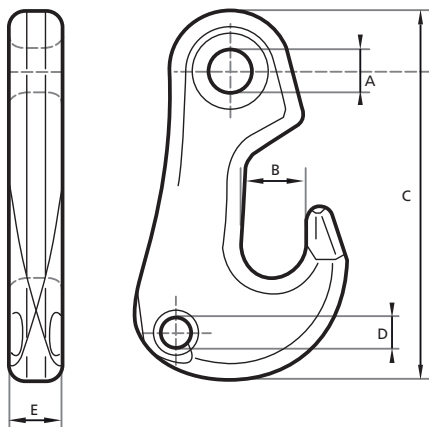


SWL	A	B	C	D	E	F	Ø1	Ø2	Proof Load
Tonnes	mm	mm	mm	mm	mm	mm	mm	mm	tonnes
130	2153	1537	1422	483	102	124	203	99	250
150	2153	1537	1422	483	102	130	230	102	250
250	2153	1537	1430	483	107	172	330	132	350

Larger sizes available on request.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

ANCHOR LINE HOOK

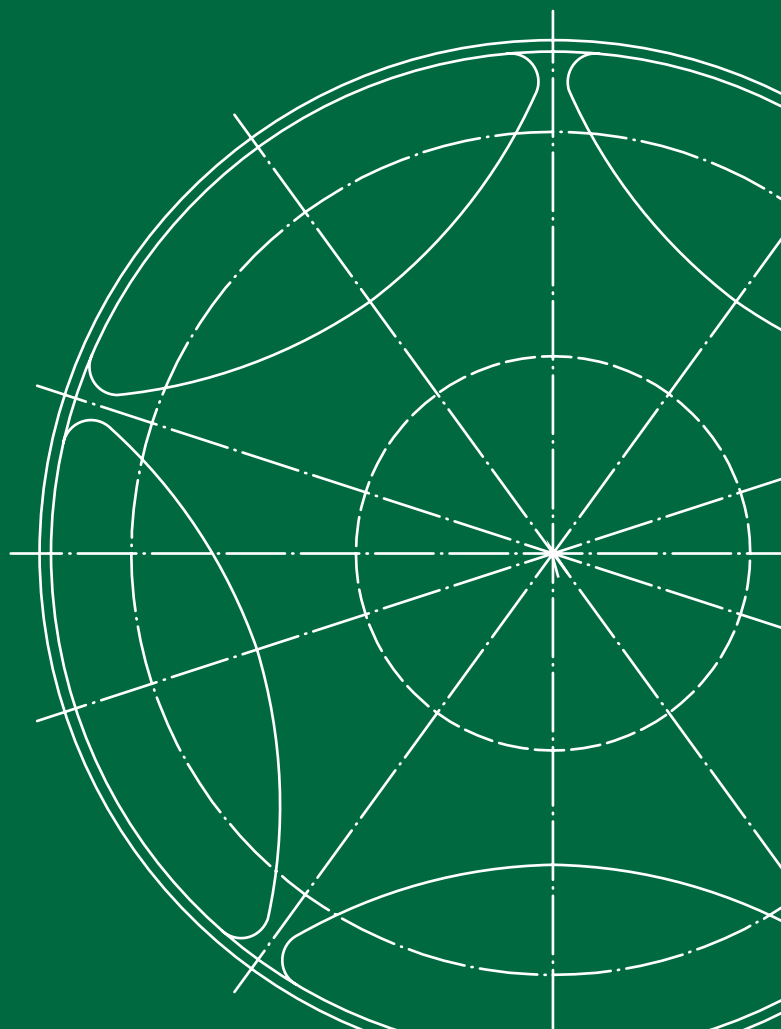


Type	SWL	A	B	C	D	E	Proof Load	MBL
	Tonnes	mm	mm	mm	mm	mm	Tonnes	Tonnes
SMP015	15	38	72	337	32	55	30	60
SMP020	20	40	74	343	32	60	40	80
SMP025	25	52	86	440	38	65	50	100
SMP030	30	62	95	480	40	70	60	120
SMP050	50	80	112	618	45	90	100	200
SMP080	80	90	130	709	62	100	160	320

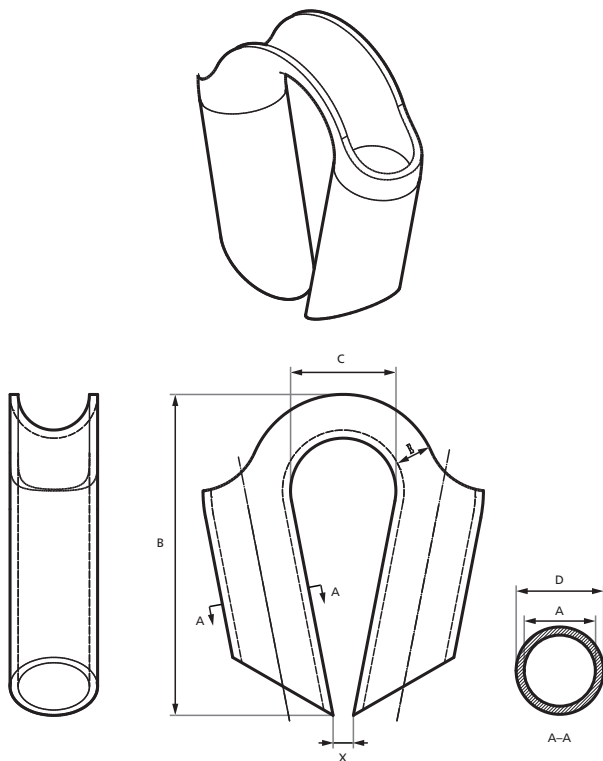
Larger sizes available on request.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

ACCESSORIES



TUBE THIMBLE



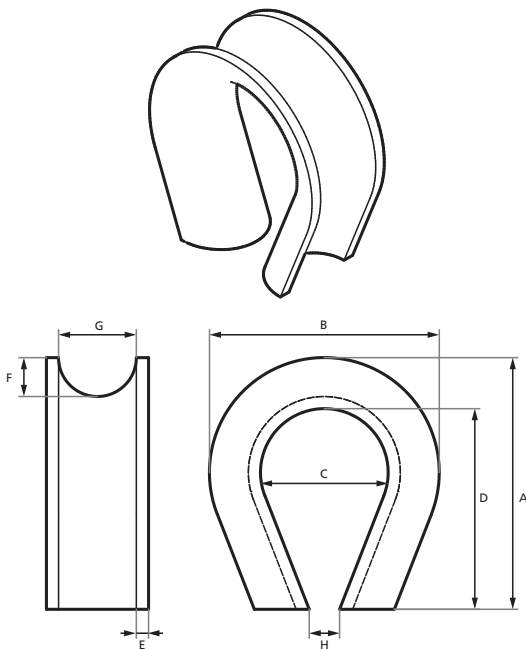
Marking	A	B	C	D	E	X	Weight
mm	mm	mm	mm	mm	mm	mm	kgs
48	65	312	88	79	31	22	6,7
56	75	350	94	90	32	22	
64	88	450	130	108	45	25	17,8
72	94	500	150	114	50	25	

Larger sizes available on request.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

THIMBLE

TYPE K3



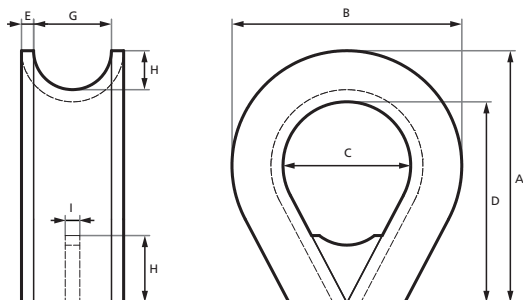
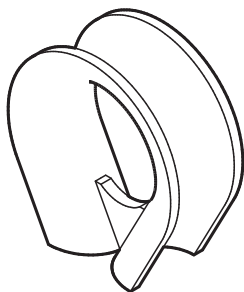
Marking	A	B	C	D	E	F	G	H	Weight
mm / inch	mm	mm	mm	mm	mm	mm	mm	mm	kgs
40 / 5	127	110	65	100	6	20	40	22	0,97
48 / 6	152	120	75	130	7	24	48	22	1,55
56 / 7	178	140	85	142	8	28	56	22	2,40
64 / 8	203	170	105	165	10	32	64	25	4,00
72 / 9	229	190	110	180	12	36	72	25	6,00
80 / 11	279	230	145	225	12	44	88	25	9,05

Larger sizes available on request.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

THIMBLE

TYPE K3B

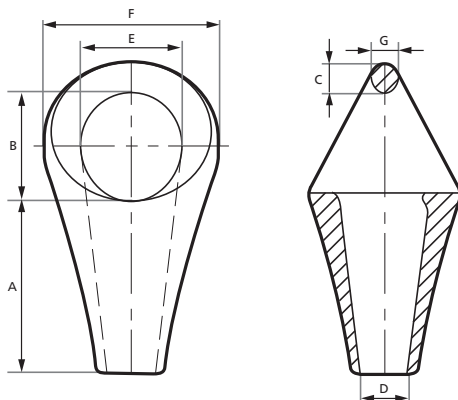


Marking	A	B	C	D	E	F	G	H	I	Weight
mm/inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgs
48/6	152	120	75	130	6	24	48	40	12	1,55
56/7	178	140	85	142	8	28	56	55	12	2,40
64/8	203	170	105	165	10	32	64	55	12	4,00
72/9	229	190	110	180	12	36	72	65	14	6,00
80/11	279	230	145	225	12	44	88	75	14	9,05

Larger sizes available on request.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

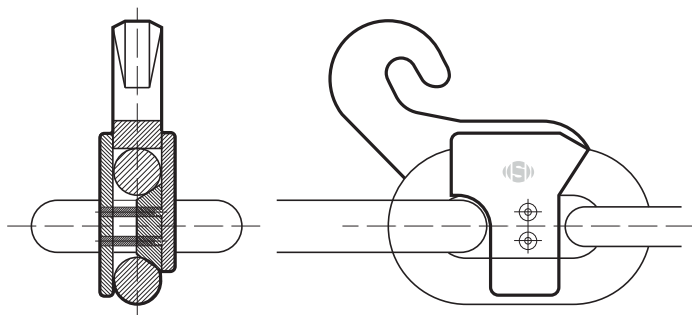
CR-SOCKET



Type no.	Wire dia.	Wire dia.	SWL	MBL	A	B	C	D	E	F	G	Weight
	mm	Inch	tons	tons	mm	mm	mm	mm	mm	mm	mm	Kgs
512	31-36	1 1/4-1 3/8	28	140	140	85	38	39	75	124	35	6.5
517	38-42	1 1/2-1 3/8	32	160	160	110	42	44	92	130	38	10
519	43-48	1 3/4-1 7/8	40	200	188	128	50	51	110	180	45	17
522	49-54	2-2 1/8	50	250	215	125	55	57	115	200	50	23
524	55-60	2 1/4-2 3/8	60	300	230	145	65	63	135	230	57	33
526	61-68	2 1/2-2 5/8	80	400	250	160	75	73	160	265	65	50
527	67-75	2 3/4-2 7/8	100	500	280	175	80	79	170	278	70	59
528	76-80	3-3 1/8	120	600	315	210	85	86	184	300	75	74
529	81-86	3 1/4-3 3/8	140	700	340	205	100	92	204	320	90	879
530	87-93	3 1/2-3 5/8	160	800	360	220	105	99	215	340	95	104
531	94-102	3 3/4-4	180	900	380	240	110	108	234	376	100	134
533	108-115	4 1/4-4 1/2	200	1000	450	260	125	120	252	400	110	180

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

CHAIN LINK HOOK



The chain link hook is available for all chain sizes.
This hook is a tool to prevent sideways loads and deformation of the chain links.

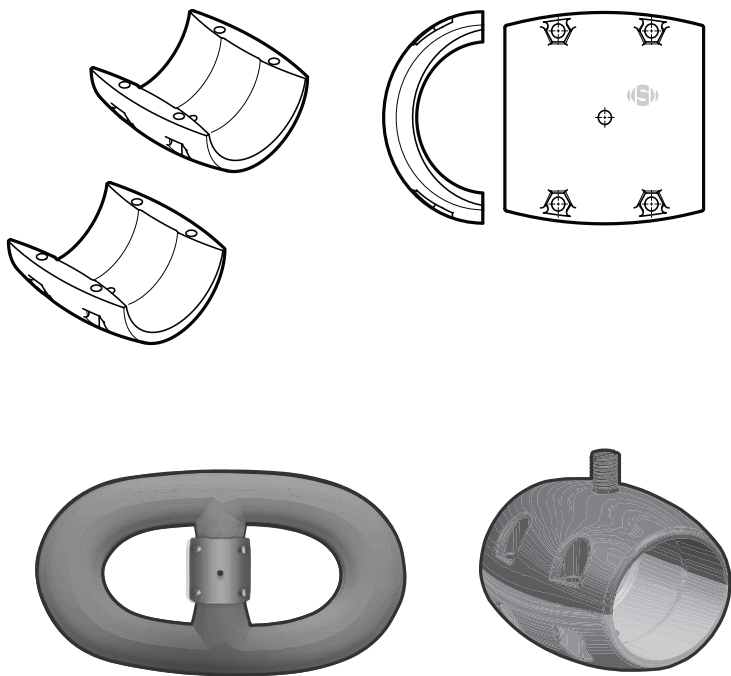
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

VARIOUS

ANODE

FOR STUD LINK ANCHOR-CHAIN

ALUMINIUM



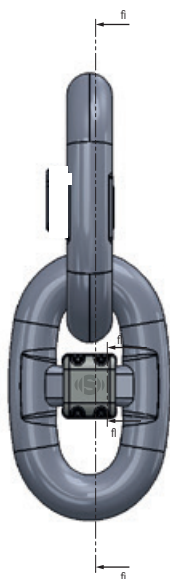
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

VARIOUS

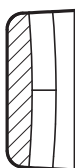
ANODE

FOR STUD LINK ANCHOR-CHAIN

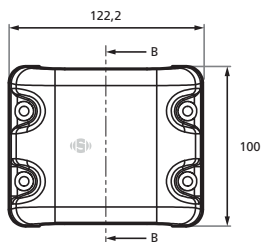
ZINC



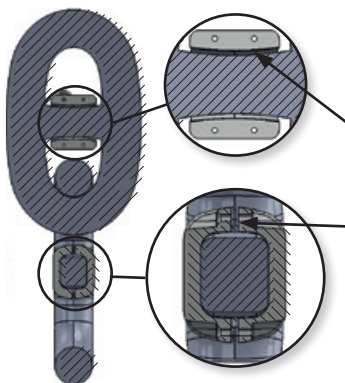
Inner side walls have the same contouring as the link shaft



Section B-B



Each half has a mass of 1.5 kg

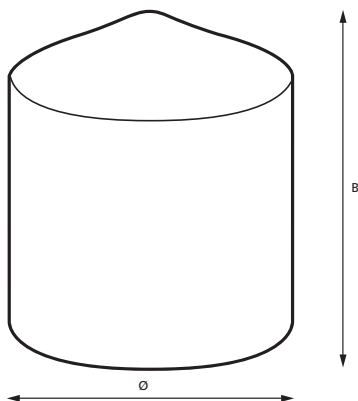


A clearance of 5 mm between the anode and the link shaft has been added on either side, to avoid conflict due to deviances.

A clearance of 6 mm between the two anodes have been made to ensure that they clamp against the link shaft when bolts are tightened.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

LEAD PLUG



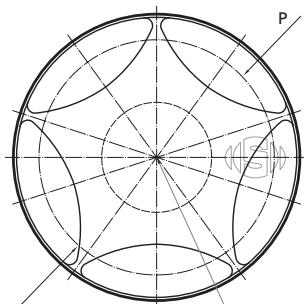
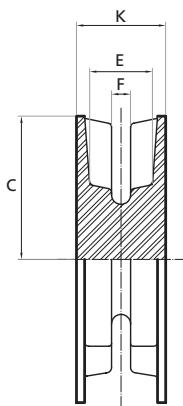
Dia. mm	Ø:	B:
mm	mm	mm
12,5	10	6
	10	10
	10	15
14-22	14	17
	13	18
	15	20
24-32	16	13
34-42	16	20
44-54	20	20
56-64	25	25

Dia. mm	Ø:	B:
mm	mm	mm
66-73	30	30
76	30	50
	30	45
81-92	35	35
95-100	40	40
102-107	45	50
111-117	45	45
120-127	49	45
130-137	50	50

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

CHAIN WHEEL

GYPSY



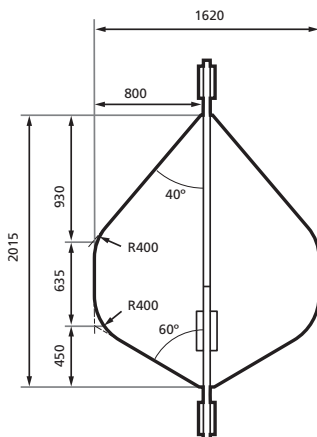
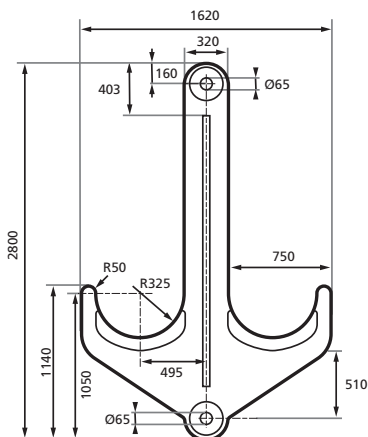
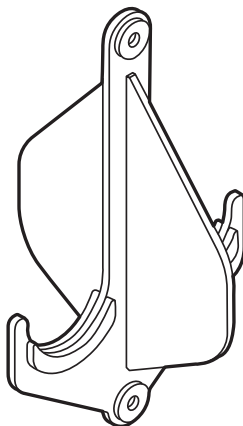
Dia.	C	E	F	K	P
mm	mm	mm	mm	mm	mm
12.5	105	61	21	88	162
14	118	68	24	98	182
16	134	78	27	112	208
17.5	147	85	29	123	227
19	155	90	31	136	247
20.5	163	94	32	140	266
22	179	102	35	148	286
24	195	110	38	156	312
26	212	124	42	182	338
28	228	132	45	190	364
30	244	142	48	200	390
32	260	152	52	210	415
34	273	158	54	220	441
36	288	166	58	230	467.5
38	304	175	61	240	493.5
40	320	185	64	250	519.5
42	337	200	72	263	545

Dia.	C	E	F	K	P
mm	mm	mm	mm	mm	mm
44	353	210	76	274	572
46	385	224	77	322	-
48	404	234	81	336	-
50	421	244	84	350	-
52	438	254	87	364	-
54	454	264	91	378	-
56	471	273	94	392	-
58	488	283	97	406	-
60	505	293	101	420	-
62	522	303	104	434	-
64	539	312	108	448	-
66	555	322	111	462	-
68	572	332	114	476	-
70	589	342	118	490	-
73	614	356	123	511	-
76	640	371	128	532	-

Made according to ISO 21. Chain wheels in larger sizes can be made on request with short delivery time.

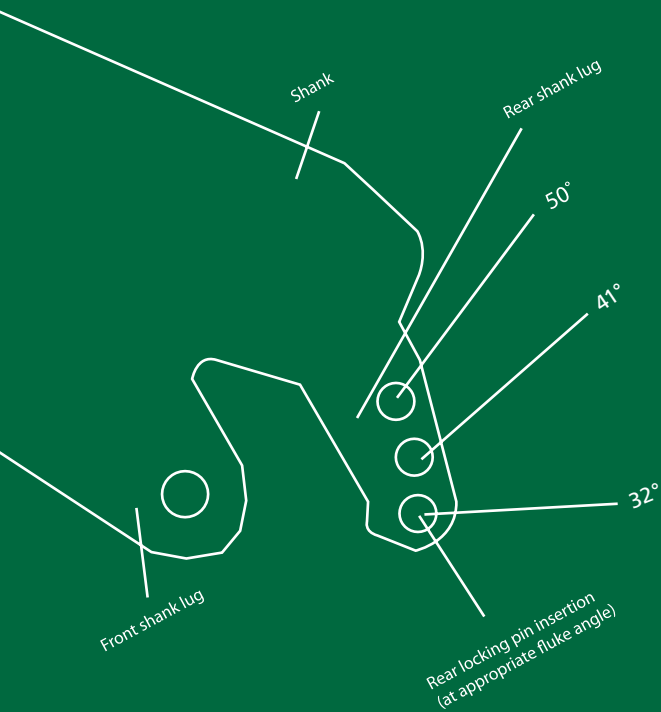
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

BOLSTER HOOK

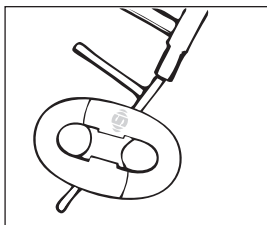


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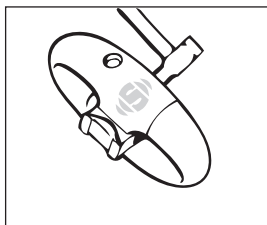
MANUALS



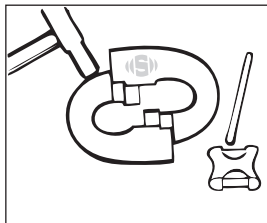
DISMANTLING OF A KENTER SHACKLE



The taper pin is driven out with a punch from its narrow end. The lead pellet (for the securing of the taper pin) is displaced and the taper pin can be removed.



The center chock is knocked straight out.

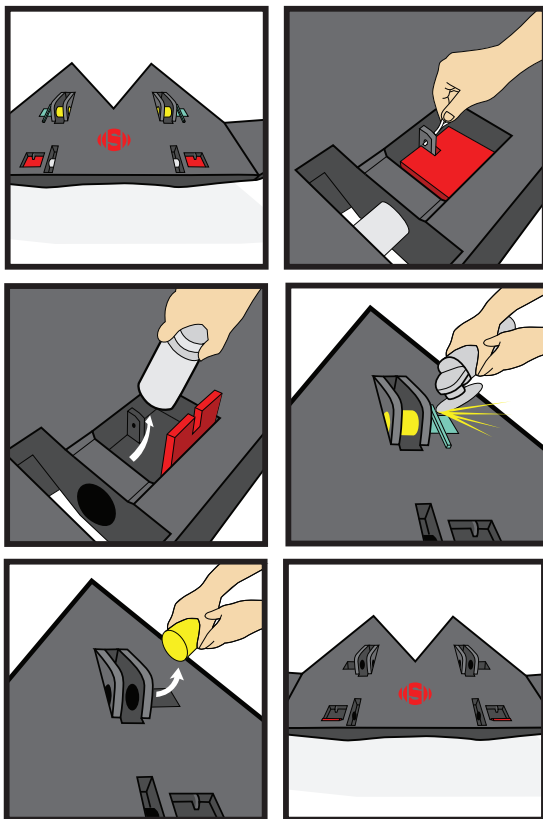


The shackle halves are separated.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

ANCHOR ASSEMBLY

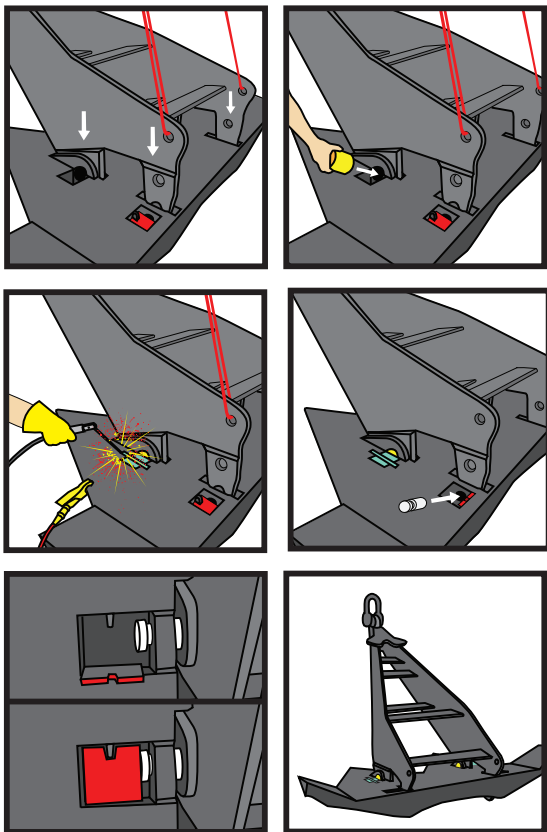
DRAG MX5, CLASS A



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ANCHOR ASSEMBLY

DRAG MX5, CLASS A

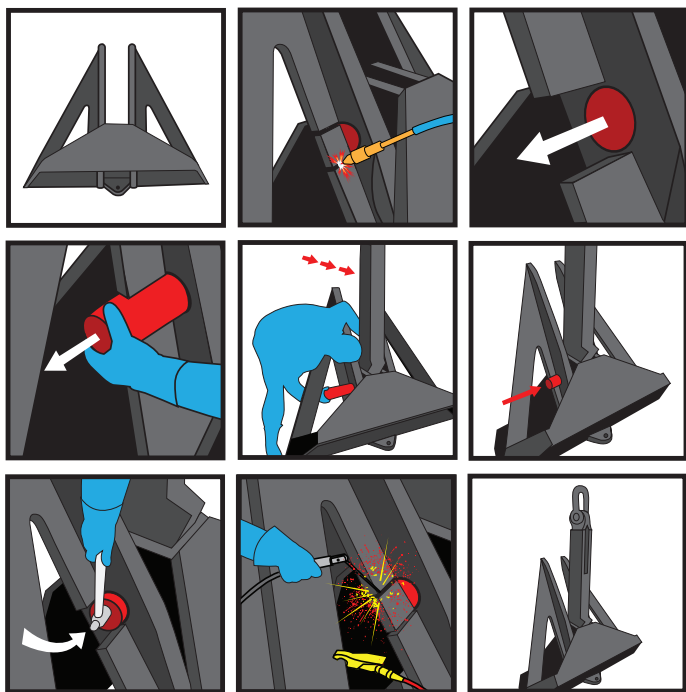


Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

MANUAL

ANCHOR ASSEMBLY

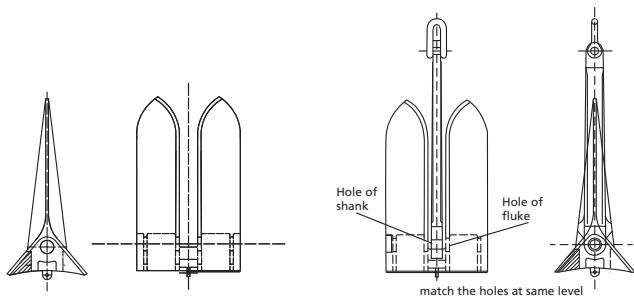
SUPERIOR DELTA



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

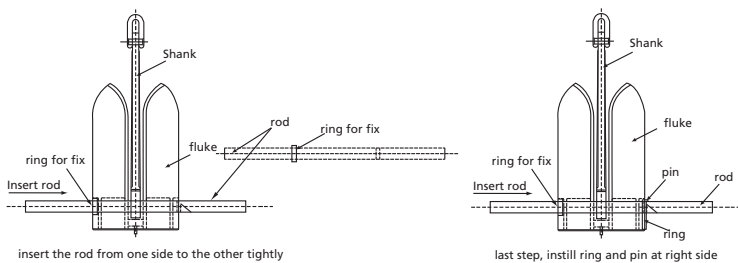
ANCHOR ASSEMBLY

OFFDRILL AND SIMILAR



1 – place fluke horizontally,

2 – insert shank into fluke, adjust shank hole to match fluke hole



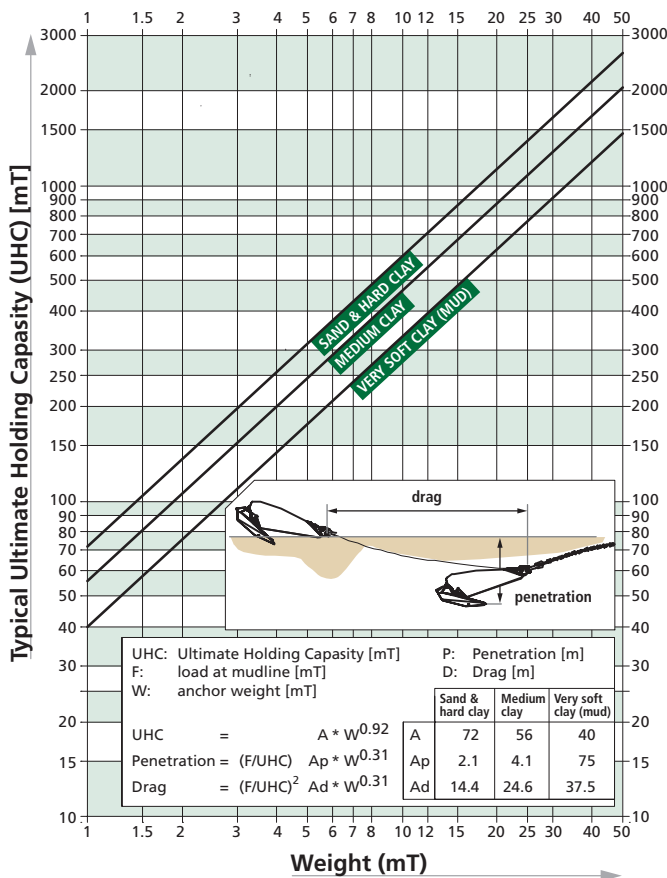
3 – install rod through shank and fluke firmly

4 – put on ring and pin to fix.

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

ULTIMATE HOLDING CAPACITY

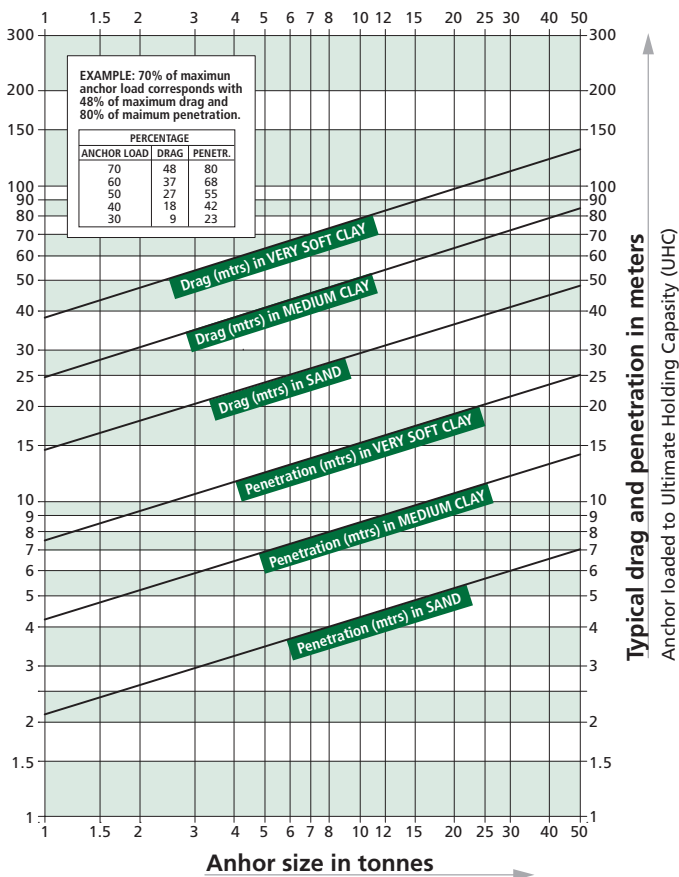
DRAG MX5, CLASS A



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

PENETRATION CHART

TYPICAL DRAG AND PENETRATION IN METERS DRAG MX5, CLASS A



Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

FLUKE ANGLE ADJUSTMENT

ANCHOR THEORY AND PRACTICE

Method of operation – Drag Anchors

Anchor Penetration

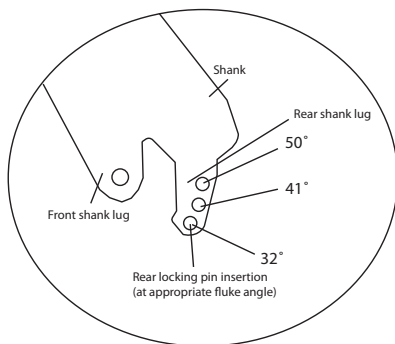
A guide as to what are the optimal fluke angles to have for penetration to take place are as follows:

Stiff clay / hard sand: 41°

Sand: 32°

Mud / soft clay: 50°

Some anchors have the possibility to be set to particular fluke angles, while other types do not have this possibility available. To adjust the fluke angle on anchors that have this possibility, a system of heavy chocks which fits the hinge point of the stock is used to prevent the flukes to exceed the given angle as they open.

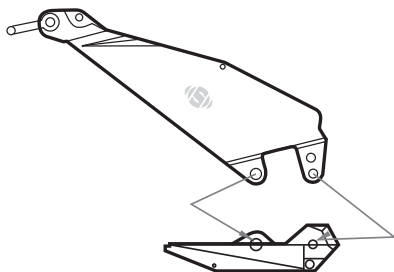


FLUKE ANGLE SETTING FOR DRAG ANCHORS.

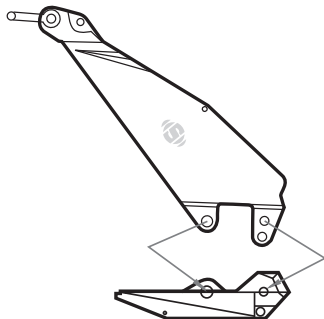
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

ADJUST FLUKE ANGLE

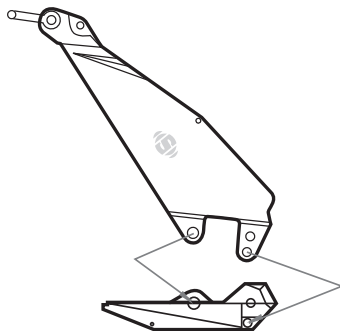
ANCHOR THEORY AND PRACTICE



fluke/shank angle of 32°



fluke/shank angle of 41°



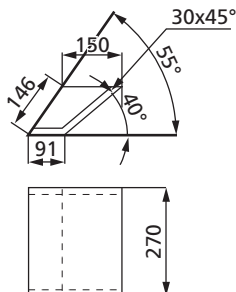
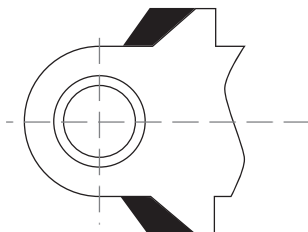
fluke/shank angle of 50°

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

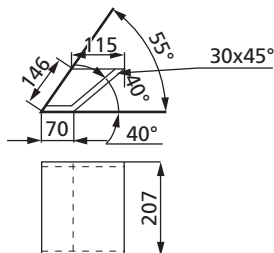
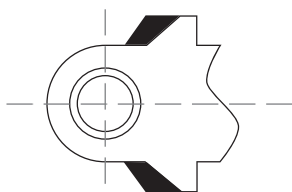
WELDING BLOCK

FOR ADJUSTING OF FLUKE ANGLE

ANCHOR SIZE 11350 KGS



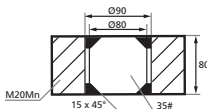
ANCHOR SIZE 4540 KGS



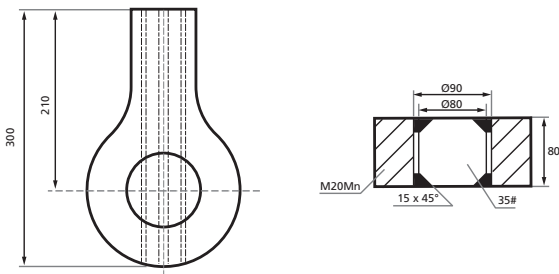
Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

WELDING PROCEDURE

FOR CROWN SHACKLE

WPS No.:	Date of welding:	Test joint details of weld preparation 
Place of test / location:		
Range of approval: P.P (Particle Penetration)		
Welding Machine: Kemppi	Single pass/Multi pass: Multi pass	
Welding Process: SMAW	Parent Material: M20Mn and 35#	
Edge Prepared: Grinding	Range of casting thickness: ≤100 mm	
Heat treatment: Normalizing / Annealing	Filler Metal Type/ designation: J507	
Type of welding current: DC+	Gas / Flux: N/A	
Welding and filler information: Use Ø3.2 mm electrode for the first, and find welding sequence Ø4.0 mm.		
Parent metal: M20Mn and 35#	Test piece position: See drawing.	Bead sequence detail. (Sketch to include weld metal Tk and back gouging where applicable.) 
Welding Position: P.E, P.A, P.C	Joint Type: P.P	
Filler Material: J507	Shielding gas / flux flow rate: N/A	
Maker/Type/Diameter of electrode:	Gas composition: N/A	
	Flux Type: N/A	
Other information:		
Pre-heat and inter pass temperature: 125 °C – 200 °C		
Post weld heat treatment temperature: N/A		

The location of specimen taking:



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WELDING PROCEDURE

FOR CROWN SHACKLE

Welding Record

Welding process: SMAW**WPS No.:****Joint type:** Double V**Joint angle:** 40°**Standard:** ABS**Parent Material:** M20Mn and 35#**Welding position:** Down Hand**Maker of electrode:****Electrode Type:****Welding Machine Type:****Electric current type:** DC+**Pre-heat temperature:** 130 °C**Heat treatment, temperature:****Time and date:**

Welding Process

Run number	Process	Electrode		Electric Current		Voltage (V)	Joint	Temp.
		Grade	Dia(mm)	Polarity	A			
1	SMAW	3Y	Ø3.2	DC+	180	32	Double V	135 °C
2			Ø4.0		180	32		130 °C
3			Ø4.0		200	30		134 °C
4			Ø4.0		200	30		123 °C

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D-TECH SWIVEL

SW800 BEARING SWIVEL

SW800 swivel is specially designed for anchor handling in deep water with heavy loads. The swivel is machined from a forged chromium-nickel high tensile steel with a bronze-aluminium slide bearing system.

Proof load: 460 T

Minimum Break load: 723 T

Total Length: 820 mm

Max diameter: 330 mm

Approx. Weight: 315 kg

Terminations: Standard Pear link no. 7 or kenter joining shackle dia. 76 mm

Each swivel has a serial number on the main body part.

Maintenance program

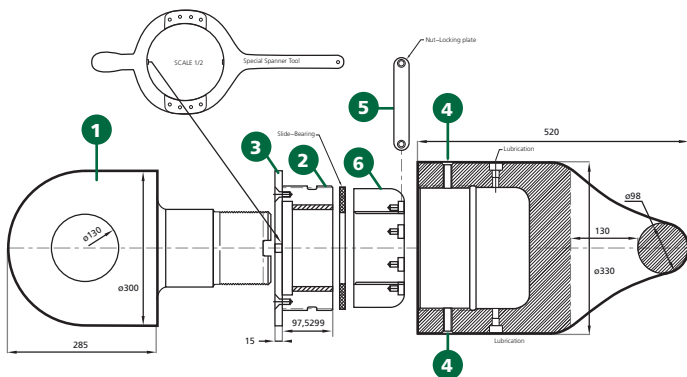
- 1: High pressure freshwater cleaning, visual inspection of eyes and rotation check is recommended after use.
- 2: Lubrication: Anti corrosion and decrease friction grease type "Statoil Light stern tube grease, batch no. 050105".

Note:

The SW800 Swivel may cease to rotate if too much grease is pressurised through the grease nipples. This is because the swivel is water sealed in order to enable operations up to a water depth of 1600 meters. It is recommended to open the grease nipple on the opposite side during application of grease, to allow overflow grease to escape. It is important to monitor the swivels functionality while pressurizing, to ensure that it is easy to rotate.

CAUTION: Use safety glasses and be aware of the possibility of overpressure of grease while unscrewing the grease nipples. The overpressure may be reduced by activating the ball valve in the grease Nipple, observing any surplus grease overflow.

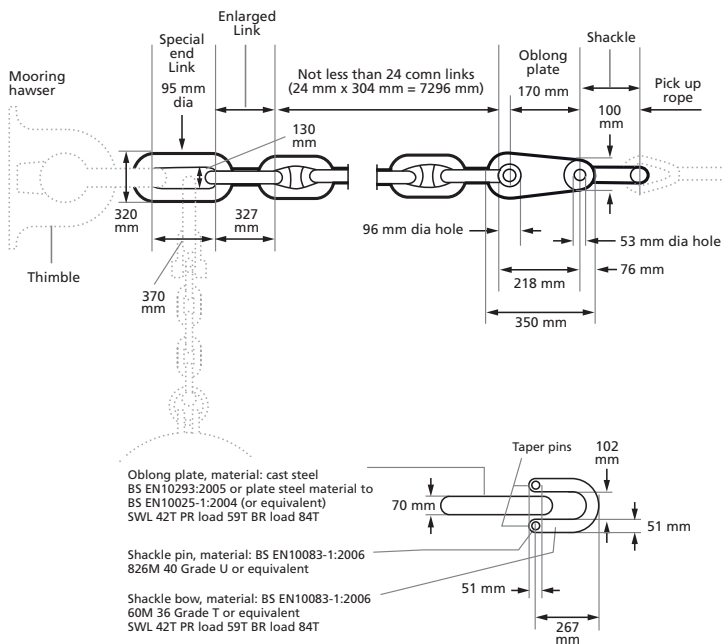
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OCIMF CHAFE CHAIN

TYPE A & B



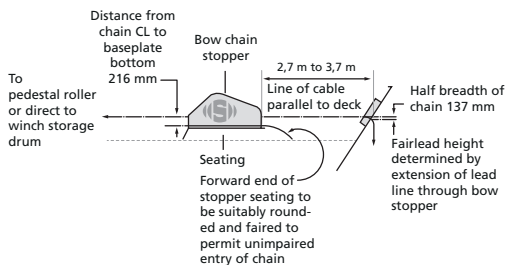
Type	Size mm	Grade per IACS W22	SWL tonnes	MBL tonnes
A	76	R4	250	611.7
B	76	R3	200	497.8

The number and size of chafe chains used should be determined by the terminal operator after an analysis of the maximum mooring loads. If necessary, weak links or quick release devices should be incorporated into the mooring system.

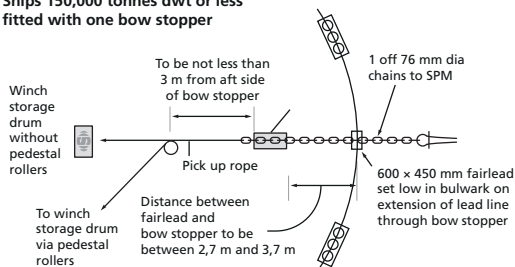
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OCIMF CHAFE CHAIN

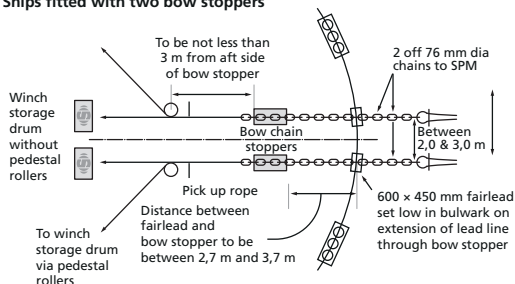
POSITIONING OF FORWARD FAIRLEADS, BOW CHAIN STOPPERS AND PEDESTAL ROLLER LEADS



Ships 150,000 tonnes dwt or less fitted with one bow stopper



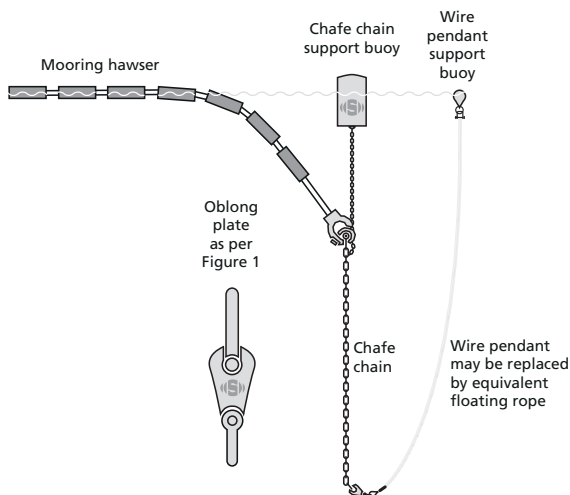
Ships fitted with two bow stoppers



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OCIMF CHAFE CHAIN

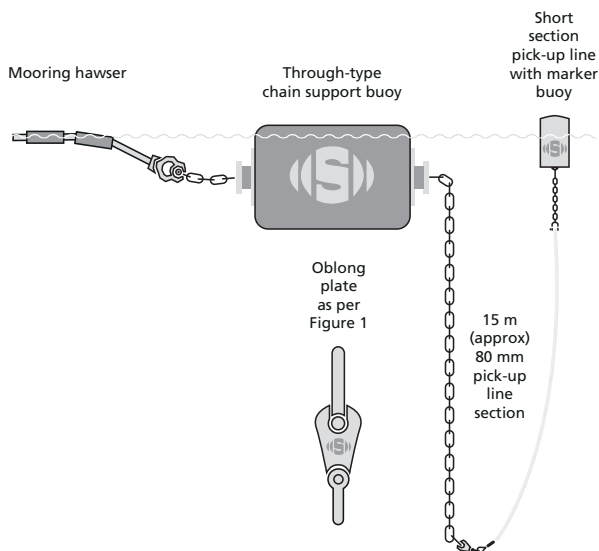
TYPICAL ARRANGEMENT TO FACILITATE CONNECTION/
DISCONNECTION OF THE PICK-UP ROPE USING CHAFE CHAIN
SUPPORT BUOY



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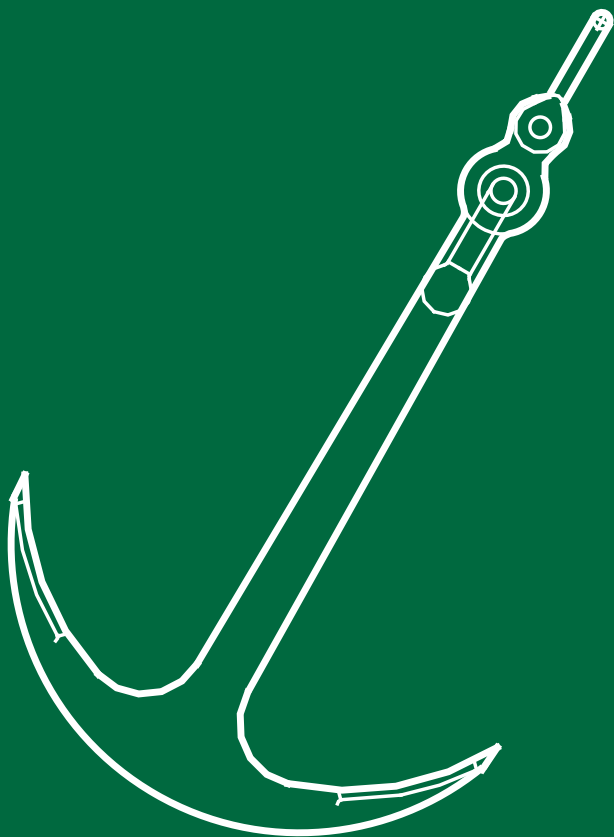
OCIMF CHAFE CHAIN

TYPICAL ARRANGEMENT TO FACILITATE CONNECTION/
DISCONNECTION OF PICK-UP ROPE USING THROUGH-TYPE
CHAIN SUPPORT BUOY

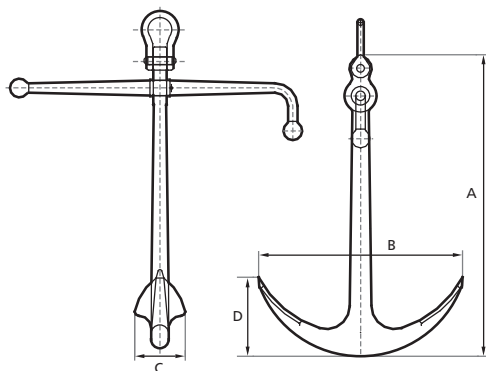


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DECORATIONS



STOCK ANCHOR



Weight	A	B	C	D
Kgs	mm	mm	mm	mm
10	650	400	100	150
25	890	550	130	200
50	960	635	185	230
75	1105	710	210	266
100	1215	780	230	293
150	1395	900	265	336
200	1535	990	290	370
300	1755	1105	330	423
500	2080	1335	390	502
700	2330	1500	440	560
1000	2620	1685	495	633
2000	3300	2140	625	797
3000	3780	2415	715	912
12000	5770	4150	961	1530

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.

PORTS



VINDENES HARBOUR



LOCATION

Vindenes Harbour is owned by Sotra Gruppen AS, and is located some 9 nautical miles west of Bergen. By car, the terminal is approx. 25 mins. (27 km) from Bergen and 40 mins. (35 km) from Bergen Airport Flesland.

GPS reference: N.60°25'34", E 05°0'18"

QUAY DETAILS

Quay	Depth (MSL)	Bollards
South quay	10 m	4 × 50-tonne, 2 × 30-tonne
North quay	6 m	4 × 6-tonne, 6 × 30-tonne

CONTACT INFORMATION

Telephone: +47 56 32 68 50
Fax: +47 56 32 68 60
E-mail: sales@sotra.net

SKAGANESET OFFSHORE YARD



LOCATION

Skaganeset Offshore Yard is operated by Sotra Anchor & Chain AS, and is located west of Bergen Airport. Driving from Bergen by car will take around 40 mins. (35 km), and from Flesland Airport around 1 hour (43 km).

Position: N.60°16'11", E 05°06'22"

PORT INFORMATION

Quay	Length	Depth
	40 m	10 m

CONTACT INFORMATION

Telephone: +47 56 32 68 50

Fax: +47 56 32 68 60

E-mail: sales@sotra.net

MOERDIJK HARBOUR



LOCATION

Sotra Rotterdam Yard is owned by Sotra Anchor & Chain AS.
The yard is located in the town of Moerdijk, 30 km south of Rotterdam.

Position: N.51° 68'72", E 04° 60'50"

QUAY DETAILS

Quay	Length	Depth
Port. 205	200 m	8.5 m

CONTACT INFORMATION

Telephone: +31 168 382 664
Fax: +31 168 382 674
E-mail: rotterdam@sotra.net

SOCON



REPAIR & MAINTENANCE



Overhaul of deck machinery and other auxiliary system.

SOCON has long experience in both repair and maintenance of mechanical equipment onboard many vessel and mobile offshore units.

Repair can be components of refitting, welding, machining, hydraulics and electrical. Reconditioning can also include NDW and lift-test certifications.



CONSTRUCTION/ FABRICATION



SOCON construct/prefabricate steel and aluminum structures in heavy, durable materials for on- and offshore usage.

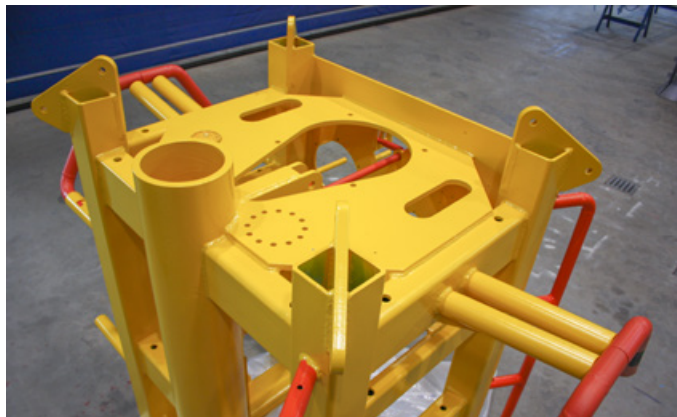
Our facilities at Sotra can handle small and mid-size structures and multi-discipline processing skid and modules.

WELDING



SOCON specializes in welding ferrous materials, stainless qualities, aluminum in addition to “cladding” – rebuild of surface / base materials to give worn, damaged equipment new life.

Certifications of welders, procedure and materials weld management all to NS-EN-ISO 3834-2.



SOCON manufacture, modify and repair complex subsea structures with stringent tolerances and documentation requirements. Our competence and systems qualifications are acknowledged by end users and third party accessors. Our subcontractors are also audited by the same regime.



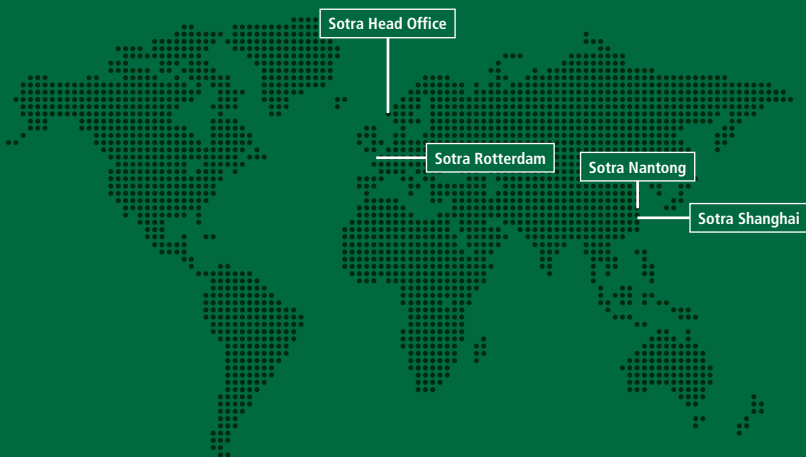
Fabricated Suction anchors with well head template (sea floor protection against unintended damages). Here seafastened for transport to offshore oil-field.



Subsea structure designed and manufactured for up to 25 years in subsea service before pulling up.



SWIVELS **SHACKLES** TRIPLATES
STUDLINK CHAIN
 MOORING-EQUIPMENT WIRE TOWING
 CHASERS ROPE SYSTEMS
 CHAIN LEAD PEAR
 STOPPERS PLUGS SHAPED
STUDLESS CHAIN SHACKLES
ANCHORS BUOYS



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SOTRA
ANCHOR & CHAIN

- a member of the SOTRA GROUP