

Ankers, kettingen en draden

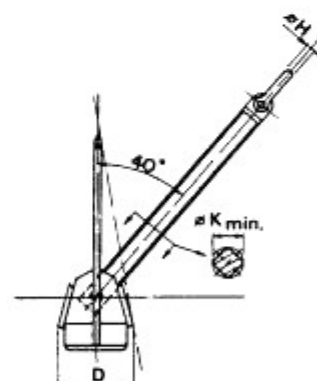
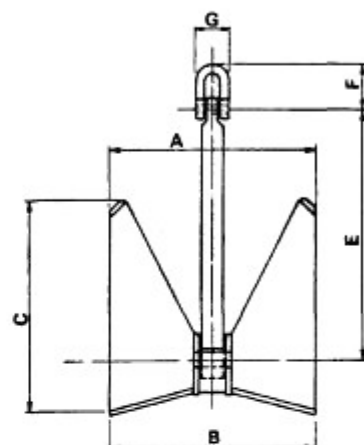
1; Ankertypen ROSR

Pool Massief

TW High Holding Power Stockless Anchor

TW Anker mit hoher Haltekraft

Weight in kg Gewicht	Main Dimensions in mm Hauptabmessungen in mm									Pool- Anker Type No. Pool- Anker Typ
	A	B	C	D	E	F	G	Ø H	min Ø K	
90	616		27	223	744	120	90	22	100	80
105	648		660	235	781	142	105	26	110	80
125	687		700	249	830	142	105	26	110	80
135	705		718	255	852	142	105	26	110	80
180	776		790	281	937	157	115	29	125	80
225	836		852	303	1010	170	125	32	135	80
270	888		905	322	1073	186	135	35	140	105
315	935		953	339	1129	201	150	38	155	105
360	977		996	354	1181	201	150	38	155	105
430	1037		1056	376	1253	236	175	45	180	140
495	1087		1107	394	1313	236	175	45	180	140
585	1149		1171	417	1318	284	185	47	190	150
675	1205		1228	437	1456	284	185	47	190	150
765	1257		1280	455	1518	284	185	47	195	150
855	1304		1329	473	1576	306	225	60	230	185
970	1360		1386	493	1643	306	225	60	230	185
1080	1409		1436	511	1703	306	225	60	230	185
1195	1458		1486	528	1762	306	225	60	235	185
1305	1501		1500	544	1814	306	225	60	235	185
1440	1552		1581	562	1875	306	225	60	245	185
1575	1599		1629	579	1931	361	255	70	260	230
1710	1643		1674	596	1985	361	255	70	260	230
1845	1685		1717	611	2036	361	255	70	260	230
1980	1725		1758	625	2084	361	255	70	275	230
2140	1771		1805	642	2139	361	255	70	280	230
2295	1812		1847	657	2190	361	255	70	290	230
2475	1858		1894	674	2245	400	290	80	295	230
2655	1903		1939	690	2299	400	290	80	305	230
2835	1945		1981	705	2349	400	290	80	305	230
3040	1990		2028	721	2405	400	290	80	315	230
3240	2033		2072	737	2458	400	290	80	315	230
3445	2075		2114	752	2507	400	290	80	325	230
3670	2119		2159	768	2560	450	325	90	330	on re- quest
3948	2170		2211	787	2622	450	325	90	340	
4210	2219		2261	804	2680	450	325	90	345	
4500	2268		2311	822	2741	450	325	90	360	
4840	2324		2368	842	2808	500	360	100	365	
5175	2377		2422	861	2871	500	360	100	375	
5515	2428		2473	880	2933	500	360	100	380	
5850	2476		2523	897	2991	550	400	110	405	
6225	2526		2575	916	3054	550	400	110	405	
6525	2568		2616	931	3102	550	400	110	405	
6975	2625		2675	952	3172	550	400	110	410	
7425	2681		2731	972	3238	600	435	120	440	
7875	2734		2785	991	3303	600	435	120	440	on re- quest
8325	2785		2837	1009	3364	650	470	130	475	
8775	2834		2888	1027	3424	650	470	130	475	
9225	2882		2936	1044	3481	650	470	130	475	
9675	2928		2983	1061	3537	700	500	140	505	
10125	2972		3029	1077	3591	700	500	140	505	
10575	3016		3073	1093	3644	700	500	140	505	
12075	3152		3212	1143	3808	750	540	150	550	
14100	3319		3382	1203	4010	800	570	160	580	
17250	3550		3617	1287	4289	870	625	175	635	

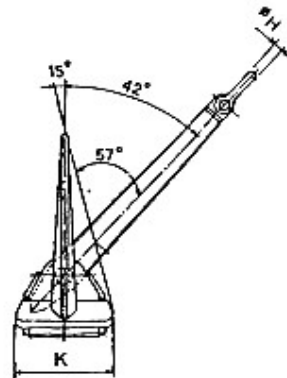
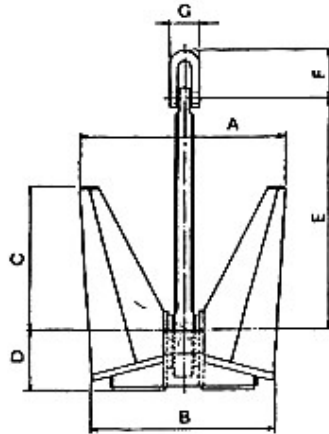


Pool hol balance

POOL*-N Execution: fully balanced

INFO-03-02-A

High Holding Power Stockless Anchor



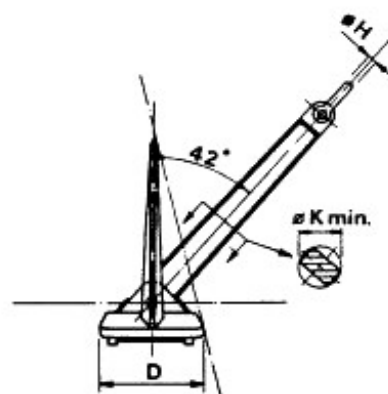
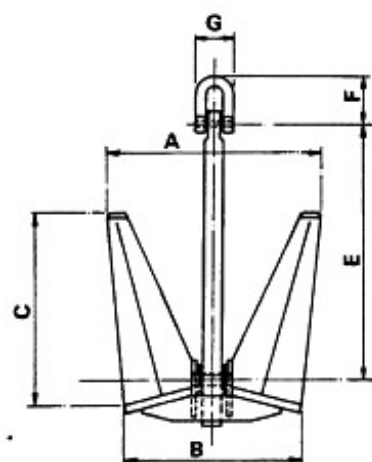
Weight in kg	Main dimensions in mm								
	A	B	C	D	E	F	G	ø H	K
40	467	397	315	133	512	107	77	22	221
48	496	421	335	141	544	107	77	22	235
60	534	454	361	152	586	107	77	22	253
75	576	489	388	164	631	107	77	22	273
90	612	520	413	174	671	107	77	22	290
105	644	547	435	183	706	107	77	22	305
125	683	580	461	195	748	107	77	22	323
135	700	595	472	199	767	107	77	22	332
160	741	630	500	211	813	107	77	22	351
180	771	655	520	220	845	107	77	22	365
225	831	705	560	237	910	134	98	28	393
270	882	750	596	251	967	134	98	28	418
315	929	789	627	265	1018	134	98	28	440
360	971	825	655	277	1064	134	98	28	460
430	1030	875	695	294	1129	161	111	32	488
495	1080	917	729	308	1184	161	111	32	512
585	1142	970	770	325	1251	202	140	40	541
675	1197	1017	808	341	1312	202	140	40	567
765	1248	1060	842	356	1368	202	140	40	591
855	1295	1100	874	369	1420	234	173	50	614
970	1351	1148	912	385	1481	234	173	50	640
1080	1400	1189	945	399	1535	234	173	50	663
1195	1448	1230	977	413	1587	234	173	50	686
1305	1491	1267	1006	425	1635	306	210	60	706
1440	1541	1309	1040	439	1689	306	210	60	730
1575	1588	1349	1072	452	1740	306	210	60	752
1710	1632	1386	1101	465	1788	306	210	60	773
1845	1674	1422	1129	477	1834	361	260	75	793
1980	1713	1455	1156	488	1878	361	260	75	812
2140	1758	1494	1187	501	1927	361	260	75	833
2295	1800	1529	1215	513	1973	361	260	75	853
2475	1846	1568	1246	526	2023	361	260	75	874
2655	1889	1604	1275	538	2071	361	260	75	895
2835	1931	1640	1303	550	2116	400	285	80	915
3040	1976	1679	1334	563	2166	400	285	80	936

dimensions not binding

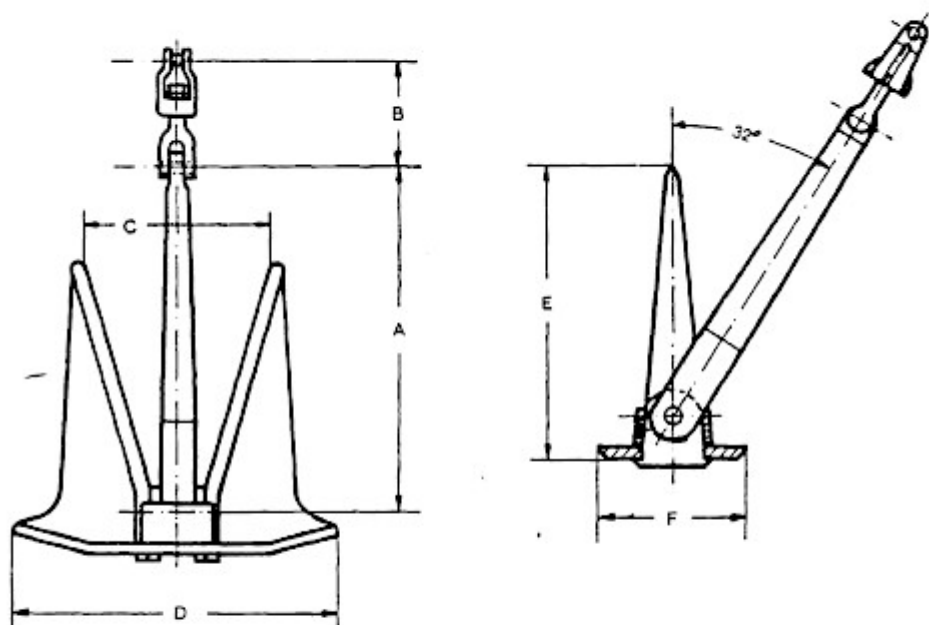
Pool hol

POOL High holding Power Stockless Anchor
POOL Stockloser Leichtgewichtanker mit hoher Haltekraft

Weight in kg Gewicht	Main dimension in mm Hauptabmessungen in mm									Pool- anchor type No. Pool- anker typ
	A	B	C	D	E	F	G	Ø H	min Ø K	
4	224	190	198	106	265	41	23	6		
8	282	239	250	133	334	62	37	10		
12	323	274	286	153	382	80	50	13	60	
16	355	302	315	168	421	80	50	13	65	
20	383	325	339	181	453	90	60	17	70	
24	407	346	361	193	482	90	60	17	75	
32	448	380	397	212	530	100	80	19	85	
40	482	410	427	228	571	100	80	19	90	
48	512	435	454	243	607	120	90	22	95	80
60	560	475	490	262	654	120	90	22	100	80
75	595	505	526	282	704	120	90	22	110	80
90	632	537	559	299	748	120	90	22	115	80
105	665	565	588	315	788	142	105	26	120	80
125	703	597	622	333	833	142	105	26	125	80
135	723	615	640	343	857	142	105	26	130	80
180	796	676	706	377	942	157	115	29	140	80
225	858	728	760	406	1016	170	125	32	155	80
270	911	774	807	432	1079	186	135	35	160	105
315	960	815	850	455	1136	201	150	38	170	105
360	1002	852	888	475	1188	201	150	38	180	105
430	1062	902	940	503	1258	236	175	45	190	140
495	1115	948	988	528	1320	236	175	45	195	140
585	1180	1002	1045	558	1396	254	185	47	205	150
675	1236	1050	1096	586	1465	284	185	47	220	150
765	1290	1096	1144	610	1527	284	185	47	225	150
855	1338	1138	1185	634	1585	306	225	60	235	185
970	1395	1185	1236	660	1652	306	225	60	245	185
1080	1446	1230	1282	685	1714	306	225	60	255	185
1195	1495	1270	1323	708	1771	306	225	60	265	185
1305	1541	1309	1364	730	1825	306	225	60	270	185
1440	1592	1352	1412	754	1886	306	225	60	280	185
1575	1640	1386	1454	777	1942	361	255	070	285	230
1710	1686	1433	1492	799	1997	361	255	70	295	230
1845	1729	1469	1530	819	2048	361	255	70	305	230
1980	1770	1504	1570	838	2098	361	255	70	315	230
2140	1816	1543	1608	860	2151	361	255	70	3320	230
2295	1860	1580	1650	880	2202	361	255	70	330	230
2475	1910	1620	1690	904	2260	400	290	80	335	230
2655	1954	1664	1730	925	2312	400	290	80	340	230
2835	1996	1700	1770	945	2364	400	290	80	350	230
3040	2042	1735	1810	968	2418	400	290	80	355	230
3240	2086	1773	1850	988	2471	400	290	80	365	230
3445	2129	1809	1887	1009	2522	400	290	80	370	230
3670	2174	1847	1928	1030	2575	450	325	90	380	230
3940	2226	1892	1970	1055	2637	450	325	90	390	on re- quest
4210	2276	1934	2018	1078	2696	450	325	90	400	
4500	2328	1978	2064	1103	2757	450	325	90	410	
4840	2385	2026	2114	1130	2824	500	360	100	420	
5175	2439	2072	2162	1155	2889	500	360	100	430	
5515	2491	2116	2208	1180	2950	500	360	100	445	
5580	2541	2159	2252	1204	3009	550	400	110	450	
6225	2594	2204	2299	1229	3072	550	400	110	455	
6525	2635	2239	2336	1248	3121	550	400	110	465	
6975	2695	2290	2390	1276	3190	550	400	110	470	
7425	2750	2338	2439	1303	3258	600	435	120	485	
7875	2805	2384	2487	1329	3323	600	435	120	495	
8325	2858	2428	2533	1354	3385	650	470	130	505	
8775	2908	2471	2578	1378	3445	650	470	130	510	
9225	2958	2512	2622	1401	3502	650	470	130	520	
9675	3004	2553	2664	1423	3558	700	500	140	530	
10125	3050	2592	2704	1445	3613	700	500	140	535	
10575	3095	2630	2747	1468	3666	700	500	140	540	
12075	3235	2748	2868	1533	3831	750	540	150	565	
14100	3406	2894	3020	1614	4034	800	570	160	595	
17250	3643	3095	3230	1726	4315	870	625	175	640	
20625	3867	3285	3428	1832	4580	930	625	185	680	
24750	4109	3491	3643	1947	4867	930	665	185	715	
28875	4324	3675	3835	2049	5123	980	695	195	755	
34500	4590	3890	4070	2175	5437	1000	715	200	800	



d'Hohne



"KLIP"-ANCHOR, type d'Hone

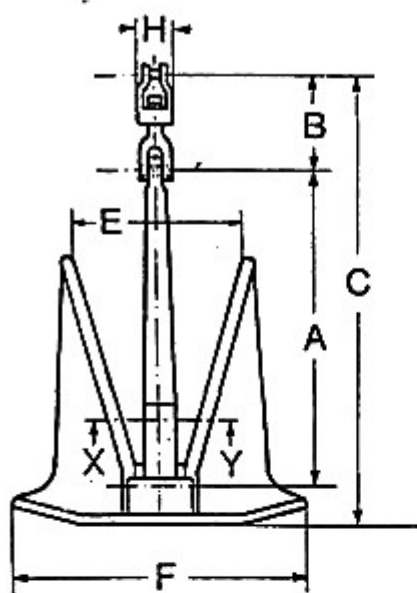
Anchor Weight	Dimensions in mm					
	A	B	C	D	E	F
5	290	—	160	280	250	120
10	365	—	200	350	310	150
15	415	—	225	400	355	170
20	455	—	250	440	390	185
25	495	170	270	475	420	200
35	540	210	280	520	460	210
50	610	220	335	590	520	250
65	670	220	365	645	570	275
80	720	210	395	710	615	295
100	775	210	420	745	660	320
120	820	210	450	790	700	335
140	865	210	470	830	735	350
175	935	210	510	900	795	380
210	985	210	535	950	840	405
250	1050	210	575	1010	895	430
280	1085	250	590	1050	925	445
315	1130	250	615	1085	960	460

Anchor Weight	Dimensions in mm					
	A	B	C	D	E	F
350	1175	250	640	1130	1000	480
385	1210	250	660	1165	1030	495
420	1245	350	680	1200	1060	510
455	1280	350	705	1230	1090	525
500	1320	350	720	1270	1125	540
525	1340	350	730	1290	1140	550
560	1360	350	740	1320	1160	555
600	1405	350	765	1350	1195	575
630	1425	350	780	1380	1215	585
665	1450	385	790	1400	1235	595
700	1480	385	805	1420	1260	605
770	1510	385	825	1480	1285	620
840	1575	385	860	1510	1340	645
910	1610	385	880	1550	1375	660
980	1660	425	905	1600	1410	680
1050	1700	425	925	1630	1445	695
1100	1725	425	940	1660	1470	705

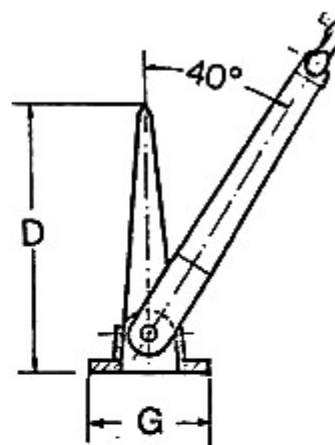
d'Hohne speciaal

D'HONE-SPEZIAL Klippanker mit hoher Haltekraft mit Kugelgelenkwirb

anerkannte Gewichtsverminderung
der Klassifikationsgesellschaften und Ba



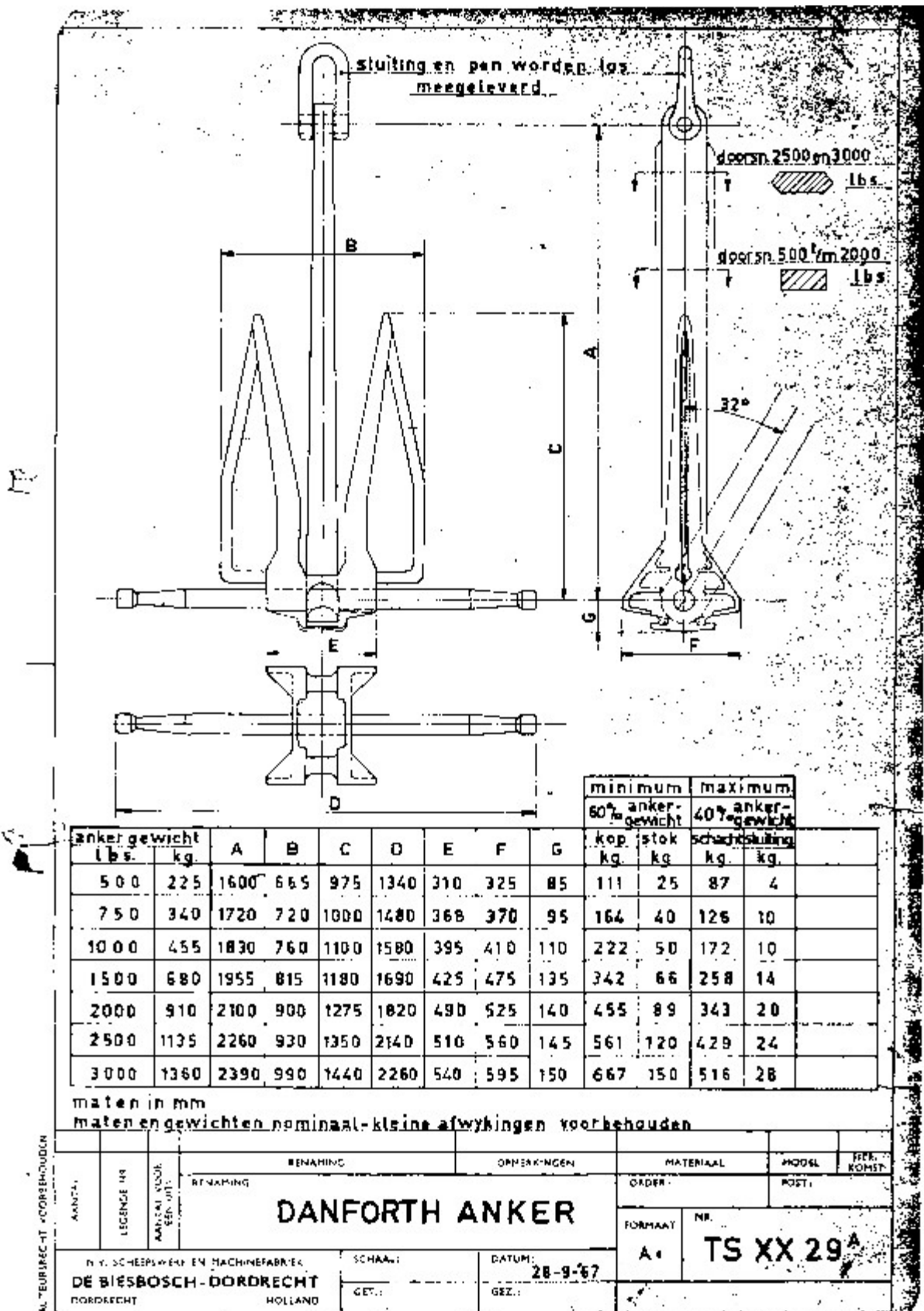
Schnitt X-Y



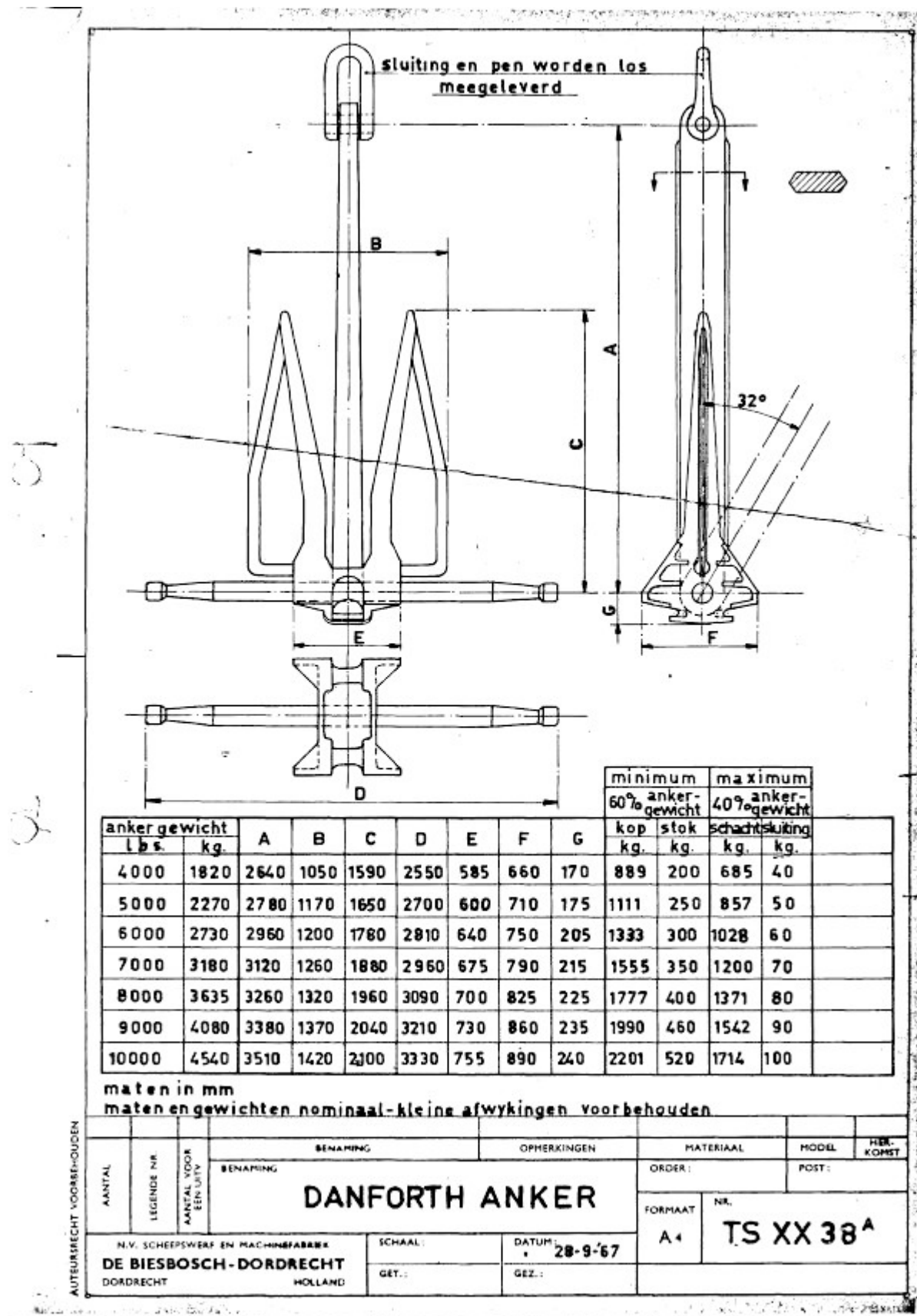
alle Maße sind ca. Maße

Gewicht kg	A	B	C	D	E	F	G	H	J
50	610	210	890	520	335	590	200	100	60
75	720	210	1015	615	390	700	225	100	65
100	775	210	1075	660	420	745	250	100	70
125	820	210	1125	700	450	790	270	100	80
150	870	250	1220	740	480	840	290	125	85
175	935	250	1295	795	510	900	300	125	90
200	980	250	1340	830	530	950	310	125	95
250	1050	250	1420	895	575	1010	340	125	100
300	1110	310	1550	950	600	1070	360	160	100
350	1175	310	1620	1000	640	1130	380	160	110
400	1230	310	1700	1050	680	1180	395	160	120
450	1280	350	1770	1090	700	1230	410	180	120
500	1320	350	1820	1125	720	1270	430	180	125
550	1360	350	1860	1150	740	1310	440	180	125
600	1405	350	1920	1200	765	1350	455	180	130
650	1450	350	1980	1230	785	1390	465	180	135
700	1480	385	2030	1260	805	1420	480	200	140
750	1500	385	2050	1280	820	1460	490	200	140
800	1550	385	2115	1325	850	1490	500	200	150
900	1600	385	2180	1370	880	1540	515	200	150
1000	1680	445	2300	1420	910	1610	535	210	155
1100	1725	445	2370	1470	940	1660	550	210	160
1200	1770	445	2430	1510	970	1710	570	210	165
1300	1830	445	2490	1560	1000	1760	585	210	170
1400	1880	445	2545	1600	1020	1810	600	210	175
1500	1910	510	2640	1630	1040	1840	615	230	180
1750	2000	510	2740	1700	1100	1930	635	230	190
2000	2120	510	2875	1800	1160	2040	670	230	200

Danforth 500 - 3000 LBS



Danforth 4000 - 10000 LBS



sluitingen en pen worden los meegeleverd

anker gewicht		A	B	C	D	E	F	G	minimum 60% anker- gewicht	maximum 40% anker- gewicht
lbs.	kg.								kop kg.	stok kg.
12000	5445	3730	1510	2240	3540	805	945	255	2637	630
14000	6350	3920	1590	2360	3720	845	995	270	3070	740
16000	7260	4100	1660	2470	4000	885	1040	280	3506	850
18000	8165	4270	1730	2560	4080	920	1080	295	3939	960
20000	9075	4370	1770	2620	4150	945	1110	300	4375	1070
25300	11345	4710	1910	2820	4475	1020	1195	325	5467	1340
30000	13610	5000	2025	3000	4750	1080	1270	345	6455	1710

maten in mm
maten en gewichten nominaal - kleine afwijkingen voorbehouden

AANTAL	LEGGING NR.	AANTAL VOOR EEN LUYT	BENAMING		OPMERKINGEN	MATERIAAL		MODEL	HERKOMST
			BENAMING			ORDER	POST		
			DANFORTH ANKER						
N.V. SCHIEPSTRAAT EN MACHINEFABRIEK			SCHAAAL		DATUM: 28-9-57	FORMAAT		NR.	
DE BIESBOSCH - DORDRECHT			GEZ.			A4		TS XX 60	
HOLLAND									

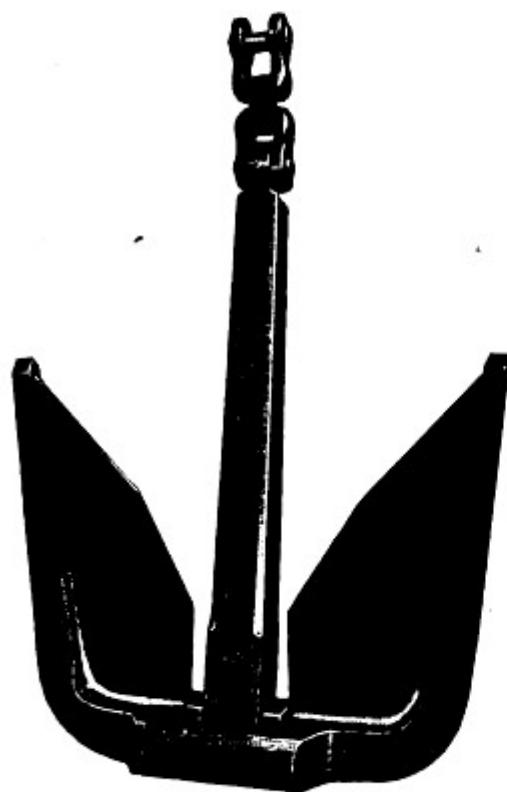
Heuss speciaal

A-4

G.J. Mortelboer Jr.



KANTOOR EN MAGAZIJN:
EEMHAVENSTRAAT 4 - ROTTERDAM
POSTBUS 5003



De originele geheel gesmede
MANNHEIMER-ANKERS

zijn in deskundige kringen altijd als
de beste aangemerkt en worden nog
steeds als de beste van alle gewone
ankers erkent.

Dezelfde fabriek heeft een nieuw type
ontwikkelt welke als

Heuss Speciaal Anker

reeds zijn nog betere kwaliteiten
heeft bewezen.

Proeven en ervaringen hebben een
dusdanige grotere houdkracht aange-
toond dat deze ankers onder volledige
garantie 30% lichter van gewicht
mogen zijn t.o. van gewone ankers.

Dubbele kogelgewrichtwartels

(Breuk van de wartel is vrijwel uitgesloten)
verhogen dermate de kwaliteit van

Heuss Speciaal Ankers

dat dit type zijn naam „Speciaal”
waardig is.

Diverse gewichten zijn uit voorraad
leverbaar.

TELEFOON: 010 - 17 96 90*
h.g.g. 180874 - 175789
POSTGIRO 161937

TELEX: 22393

TELEGRAM-ADRES: INTRANSITO

BANK: AMSTERDAM-ROTTERDAM BANK N.V.

Vicinay AC 14

84/02/2001 18:49

+31-118-603596

G.FONGERS

PAG. 83

Vicinay A.C. 14 anchor

High Holding Power

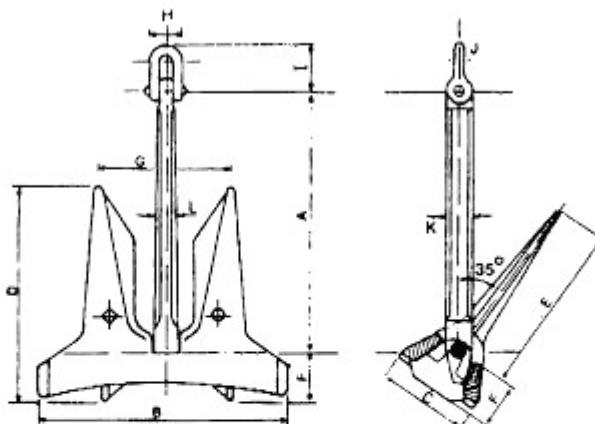
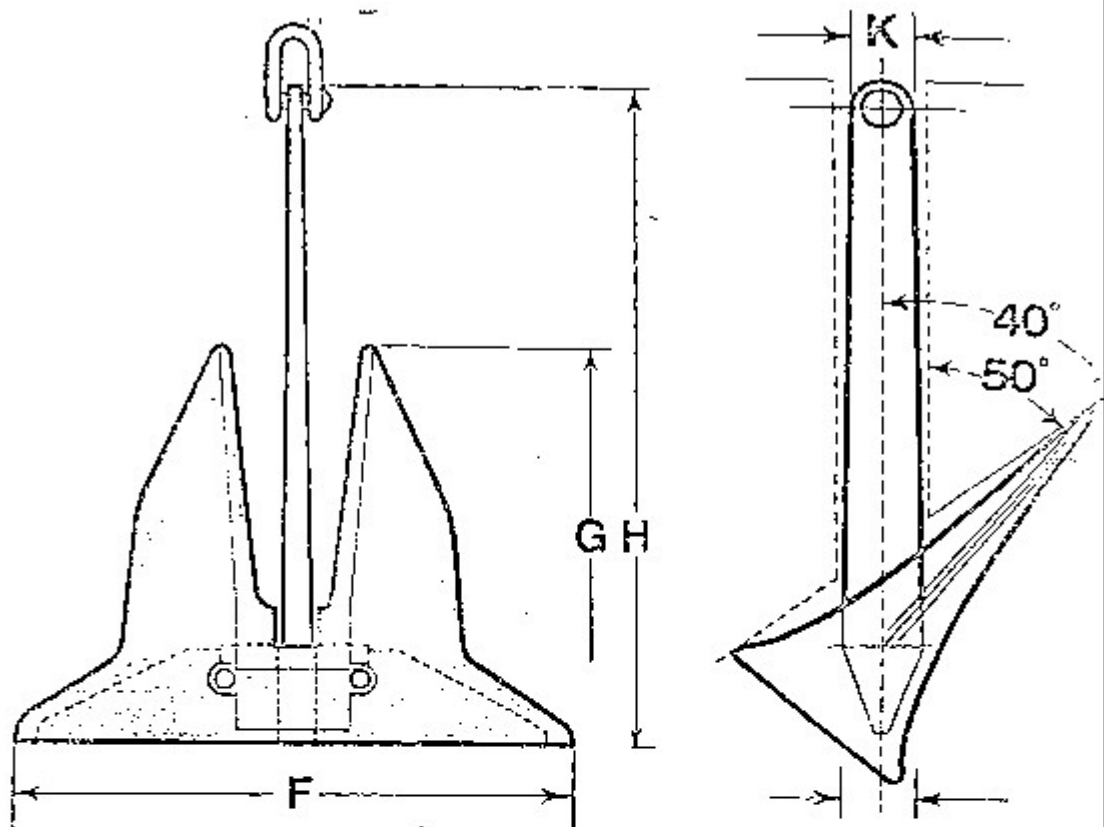


TABLE OF MAIN DIMENSIONS

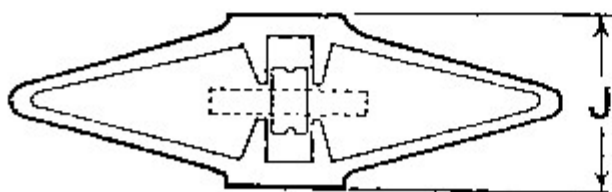
dimensions not binding

Weight kg	Model no	A	B	C	D	E	F	G	H	I	J	K	L
3	56	250	224	73	197	155	42	120	42	30	8	23	16
20	449	450	412	134	382	305	77	220	86	57	16	40	31
112	514	930	852	278	786	627	159	456	140	90	25	70	56
180	452	1070	980	310	895	715	180	520	165	110	30	85	67
275	451	1140	1045	340	965	770	195	580	165	110	30	90	70
270	453	1250	1115	380	1025	820	205	600	195	125	35	95	75
300	450	1250	1140	372	1053	840	213	610	195	125	35	95	75
341	484	1280	1180	385	1090	870	220	630	195	125	35	100	80
487	483	1430	1310	425	1210	963	245	700	220	140	40	112	89
500	233	1295	1184	388	1052	832	220	633	250	160	45	117	95
525	312	1470	1345	440	1242	992	250	720	250	160	45	123	98
580	455	1515	1385	450	1280	1020	260	740	250	160	45	122	97
675	513	1575	1445	470	1335	1065	270	775	275	180	50	133	106
750	292	1483	1356	442	1204	952	252	725	275	180	50	134	110
765	515	1483	1356	448	1204	952	252	725	275	180	50	134	110
900	457	1720	1575	515	1455	1160	295	840	305	195	55	148	114
970	472	1720	1575	515	1455	1160	295	840	305	195	55	148	114
1080	482	1810	1660	540	1530	1220	310	885	330	215	60	155	124
1080	482	1810	1660	540	1530	1220	310	885	330	215	60	155	124
1180	456	1855	1700	553	1565	1250	315	910	330	215	60	161	124
1305	474	1855	1700	585	1565	1250	315	910	330	215	60	161	124
1440	467	1940	1778	553	1563	1207	358	952	360	235	65	175	130
1575	459	2015	1845	600	1705	1360	345	985	385	245	70	180	140
1575	454	2015	1701	600	1705	1360	345	985	385	245	70	180	140
1710	484	2015	1890	615	1745	1390	355	1010	385	245	70	185	145
1845	469	2095	1920	830	1775	1415	360	1025	385	245	70	185	142
1980	485	2155	1970	845	1820	1450	370	1055	385	245	70	185	146
2100	50	2100	1920	830	1710	1350	360	1030	385	245	70	202	157
2295	488	2300	1920	630	1860	1500	360	1020	415	260	75	202	163
2475	43	2300	2107	687	1945	1552	393	1127	415	260	75	204	157
2655	42	2300	2107	687	1945	1552	393	1127	415	260	75	215	166
2794	49	2388	2185	711	2016	1610	406	1168	415	260	75	211	164
3550	461	2560	2345	785	2165	1725	440	1255	440	280	80	245	177
3670	483	2560	2345	785	2165	1725	440	1255	440	280	80	257	186
3940	475	2586	2388	771	2185	1745	440	1266	495	310	90	255	185
4500	465	2885	2460	800	2270	1810	460	1315	550	345	100	285	193
4840	51	2775	2535	830	2260	1785	475	1360	550	345	100	270	205
5175	496	2860	2615	850	2415	1925	490	1400	550	345	100	278	195
5510	487	2925	2615	850	2415	1925	490	1400	505	380	110	305	221
6525	473	3080	2800	912	2580	2080	520	1498	605	390	110	315	218
8775	510	3340	3060	995	2820	2250	570	1635	750	480	130	350	237
8845	52	3500	3210	1050	2858	2258	600	1720	800	520	150	365	256
10575	466	3500	3210	1050	2975	2375	600	1720	800	520	150	365	255
10800	66	3600	3210	1052	2858	2258	600	1720	800	520	150	365	255
12075	516	3660	3350	1090	3095	2470	625	1795	800	520	150	382	262
14000	47	3800	3400	1260	2915	2250	665	1910	800	600	160	420	329
14000	458	3880	3480	1135	3230	2575	855	1670	820	540	180	410	270
15000	48	3800	3400	1270	2915	2250	665	1910	800	600	160	420	329
15000	462	3880	3400	1270	2915	2250	665	1910	800	600	160	420	329
15000	480	3950	3470	1270	3265	2600	685	1900	830	570	170	435	280
15725	54	3950	3470	1260	3265	2600	685	1900	830	570	170	435	280
17250	471	4060	3715	1210	3430	2740	680	1990	1000	595	180	470	285
18275	44	4200	3855	1256	3580	2840	720	2065	1000	595	180	485	290
19550	45	4200	3855	1255	3580	2840	720	2065	1000	595	180	485	290
21750	490	4345	3975	1295	3670	2930	740	2125	1100	650	200	500	310
26000	498	4580	4170	1360	3850	3075	775	2230	1200	715	220	540	340
30000	499	4200	4170	1360	3850	3075	775	2230	1200	715	220	610	415

Stokes



Stokes Anchor



The following classification Societies have accepted the Stokes Anchor as a high efficiency Anchor and allow 25% weight reduction below the equipment weight—Germanischer Lloyd, Det Norske Veritas, Lloyds Register, Bureau Veritas, R.I.N.A., American Bureau of Shipping. (—20%)

3; Breeksterkte damkettingen

STUD LINK CHAIN CABLE



vlaardingen oost
anchor &
chain factory

Chain Diameter	GRADE						Minimum weight per length of 27,5 m	
	U 1		U 2		U 3			
	Proof Load kg	Breaking Load kg	Proof Load kg	Breaking Load kg	Proof Load kg	Breaking Load kg	With Dee Shackle kg	With Lugless Shackle kg
mm								
12,5	4.700	6.700	6.700	9.400	9.400	13.500	107	105
14	5.900	8.400	8.400	11.800	11.800	15.800	130	127
16	7.700	10.900	10.900	15.300	15.300	22.000	160	157
17,5	9.100	13.000	13.000	18.300	18.300	26.100	190	186
19	10.700	15.300	15.300	21.500	21.500	30.700	220	216
20,5	12.500	17.800	17.800	24.900	24.900	35.600	252	248
22	14.300	20.400	20.400	28.600	28.600	40.900	290	286
24	17.000	24.200	24.200	33.390	33.900	48.500	350	345
26	19.800	28.300	28.300	39.700	39.700	56.700	410	405
28	22.900	32.700	32.700	45.800	45.800	65.500	480	475
30	26.200	37.500	37.500	52.400	52.400	74.900	550	545
32	29.700	42.500	42.500	59.400	59.400	84.900	620	615
34	33.400	47.700	47.700	66.800	66.800	95.500	700	690
36	37.300	53.300	53.300	74.600	74.600	107.000	785	775
38	41.400	59.200	59.200	82.800	82.800	118.000	875	860
40	45.700	65.300	65.300	91.400	91.400	131.000	965	950
42	50.200	71.700	71.700	100.000	100.000	143.000	1.055	1.040
44	54.900	78.400	78.400	110.000	110.000	157.000	1.150	1.130
46	59.700	85.300	85.300	119.000	119.000	171.000	1.260	1.240
48	64.800	92.600	92.600	130.000	130.000	185.000	1.370	1.345
50	70.000	100.000	100.000	140.000	140.000	200.000	1.485	1.455
52	75.400	108.000	108.000	151.000	151.000	215.000	1.605	1.575
54	81.000	116.000	116.000	162.000	162.000	231.000	1.725	1.690
56	86.800	124.000	124.000	174.000	174.000	248.000	1.850	1.810
58	92.700	132.000	132.000	185.000	185.000	265.000	1.985	1.945
60	98.800	141.000	141.000	198.000	198.000	282.000	2.125	2.075
62	105.000	150.000	150.000	210.000	210.000	300.000	2.275	2.220
64	112.000	159.000	159.000	223.000	223.000	319.000	2.430	2.370
66	118.000	169.000	169.000	236.000	236.000	337.000	2.590	2.525

Chain Diameter	GRADE						Minimum weight per length of 27,5 m	
	U 1		U 2		U 3			
	Proof Load kg	Breaking Load kg	Proof Load kg	Breaking Load kg	Proof Load kg	Breaking Load kg	With Dee Shackle kg	With Lugless Shackle kg
mm								
68	125.000	178.000	178.000	250.000	250.000	357.000	2.755	2.685
70	132.000	188.000	188.000	263.000	263.000	376.000	2.925	2.850
73	142.000	203.000	203.000	285.000	285.000	407.000	3.185	3.100
76	153.000	219.000	219.000	307.000	307.000	438.000	3.460	3.360
78	161.000	230.000	230.000	322.000	322.000	459.000	3.640	3.535
81	172.000	246.000	246.000	345.000	345.000	492.000	3.940	3.820
84	184.000	263.000	263.000	368.000	368.000	526.000	4.240	4.105
87	196.000	280.000	280.000	393.000	393.000	561.000	4.555	4.405
90	209.000	298.000	298.000	417.000	417.000	596.000	4.870	4.705
92	217.000	310.000	310.000	434.000	434.000	620.000	5.085	4.905
95	230.000	329.000	329.000	460.000	460.000	657.000	5.405	5.210
97	239.000	341.000	341.000	477.000	477.000	682.000	5.630	5.425
100	252.000	360.000	360.000	504.000	504.000	720.000	5.970	5.745
102	261.000	373.000	373.000	522.000	522.000	746.000	6.210	5.970
105	275.000	393.000	393.000	550.000	550.000	785.000	6.530	6.320
107	284.000	406.000	406.000	568.000	568.000	812.000	6.845	6.575
111	303.000	433.000	433.000	606.000	606.000	865.000	7.330	7.080
114	317.000	453.000	453.000	635.000	635.000	907.000	7.795	7.475
117	332.000	474.000	474.000	664.000	664.000	948.000	8.220	7.870
120	347.000	495.000	495.000	694.000	694.000	991.000	8.650	8.270
122	357.000	510.000	510.000	714.000	714.000	1.019.000	8.960	8.550
124	367.000	524.000	524.000	734.000	734.000	1.048.000	9.275	8.835
127	382.000	546.000	546.000	764.000	764.000	1.092.000	9.740	9.270
130	398.000	568.000	568.000	795.000	795.000	1.136.000	10.210	9.710
132	408.000	583.000	583.000	816.000	816.000	1.165.000	10.640	10.005
137	434.000	620.000	620.000	868.000	868.000	1.240.000	11.320	10.750
142	461.000	658.000	658.000	921.000	921.000	1.316.000	12.110	11.500
147	488.000	697.000	697.000	975.000	975.000	1.393.000	12.950	12.300
152	515.000	736.000	736.000	1.030.000	1.030.000	1.471.000	13.890	13.200
157	542.000	775.000	775.000	1.085.000	1.085.000	1.550.000	—	15.185
162	570.000	815.000	815.000	1.140.000	1.140.000	1.690.000	—	16.340

4; Breeksterkte kettingen k2 en k3

Kettingen

Proof load and Breaking load

PL = Proof Load

BL = Breaking Load

Nominal Diameter (in mm)	Grade 2 - PL (kgs)	Grade 2 - BL (kgs)	Grade 3 - PL (kgs)	Grade 3 - BL (kgs)	Grade 2- PL (kN)	Grade 2- BL (kN)	Grade 3 - PL (kN)	Grade 3 - BL (kN)
12.5	6720	9400	9400	13450	65.7	92.2	92.2	132.0
14	8400	11700	11700	16800	82.4	116.0	116.0	165.0
16	10940	15340	15310	21590	107.0	150.0	150.0	216.0
17.5	13040	18260	18260	26100	127.0	179.0	179.0	256.0
19	15340	21480	21480	30700	150.0	211.0	211.0	301.0
20.5	17800	24930	24930	35600	175.0	244.0	244.0	349.0
22	20440	28620	28620	40900	200.0	280.0	280.0	401.0
24	24240	33930	33930	48500	237.0	332.0	332.0	476.0
26	28340	39670	39670	56700	278.0	389.0	389.0	556.0
28	32740	45840	45840	65500	321.0	449.0	449.0	642.0
30	37450	52400	52400	74900	368.0	514.0	514.0	735.0
32	42450	59400	59400	84850	417.0	583.0	583.0	833.0
34	47700	66800	66800	95450	468.0	655.0	655.0	937.0
36	53300	74600	74600	106600	523.0	732.0	723.0	1050.0
38	59150	82800	82800	118300	581.0	812.0	812.0	1160.0
40	65280	91400	91400	130550	640.0	896.0	896.0	1280.0
42	71700	100350	100350	143400	703.0	981.0	981.0	1400.0
44	78350	109700	109700	156750	769.0	1080.0	1080.0	1540.0
46	85350	119450	119450	170650	837.0	1170.0	1170.0	1680.0
48	92550	129500	129500	185050	908.0	1270.0	1270.0	1810.0
50	100000	140000	140000	200000	981.0	1370.0	1370.0	1960.0
52	107750	150800	150800	215450	1060.0	1480.0	1480.0	2110.0
54	115700	162000	162000	231400	1140.0	1590.0	1590.0	2270.0
56	123950	173500	173500	247850	1220.0	1710.0	1710.0	2430.0
58	132400	185350	185350	264800	1290.0	1810.0	1810.0	2600.0
60	141100	197550	197550	282250	1380.0	1940.0	1940.0	2770.0
62	150050	210100	210100	300150	1470.0	2060.0	2060.0	2940.0
64	159250	222950	222950	318500	1560.0	2190.0	2190.0	3130.0
66	168650	236150	236150	337350	1660.0	2320.0	2320.0	3310.0
68	178300	249600	249600	356600	1750.0	2450.0	2450.0	3500.0
70	188150	263400	263400	376300	1840.0	2580.0	2580.0	3690.0
73	203350	284700	284700	406700	1990.0	2790.0	2790.0	3990.0
76	219050	306650	306650	438050	2150.0	3010.0	3010.0	4300.0
78	229750	321600	321600	459450	2260.0	3160.0	3160.0	4500.0
81	246150	344650	344650	492350	2410.0	3380.0	3380.0	4820.0
84	263050	368250	368250	526100	2580.0	3610.0	3160.0	5160.0

87	280350	392500	392500	560700	2750.0	3850.0	3850.0	5500.0
90	298100	417300	417300	596150	2920.0	4090.0	4090.0	5840.0
92	310100	434150	434150	620150	3040.0	4260.0	4260.0	6080.0
95	328500	459900	459900	657000	3230.0	4510.0	4510.0	6440.0
97	347300	486200	486200	694550	3350.0	468.0	4680.0	6690.0
100	360000	504000	504000	720000	3530.0	4940.0	4940.0	7060.0
102	372900	522050	522050	745760	3550.0	5120.0	5120.0	7320.0
105	392500	549500	549500	784950	3850.0	5390.0	5390.0	7700.0
107	412450	577400	577400	824850	3980.0	5570.0	5570.0	7960.0
111	432700	605800	605800	865450	4250.0	5940.0	5940.0	8480.0
114	453300	634600	634600	906600	4440.0	6230.0	6230.0	8890.0
117	474200	663850	663850	948350	4650.0	6510.0	6510.0	9300.0
120	495350	693500	693500	990700	4860.0	6810.0	6810.0	9720.0
124	524150	734250	734150	1048350	5140.0	7200.0	7200.0	10280.0
127	545600	763850	763850	1092200	5350.0	7490.0	7490.0	10710.0
130	568000	795450	795450	1136050	5570.0	7800.0	7800.0	11140.0
132	583350	815850	815850	1164600	5720.0	8000.0	8000.0	11420.0