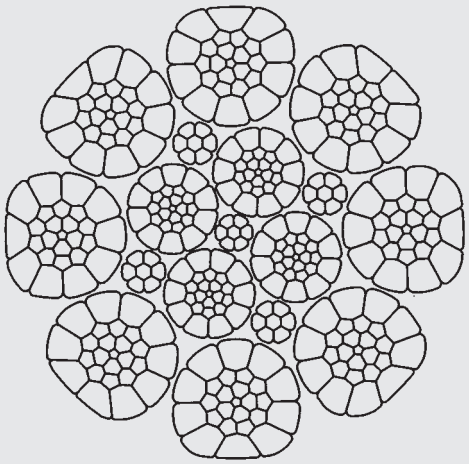
DIEPA H 50
DIEPA H 53

Nom. rope Ø mm	Metallic cross-section mm²	Nominal length mass kg/100m	Minimum breaking force Rope grade 1770 N/mm² kp	kN	Rope grade 1960 N/mm² kp	kN	Rope grade 2160 N/mm² kp	kN
12	86.6	78	13 250	131	14 750	145	16 000	157
13	101.7	92	15 600	154	17 350	170	18 750	185
14	117.9	106	18 100	179	20 100	198	21 750	214
15	135.4	122	20 800	205	23 100	227	24 950	245
16	154.0	139	23 650	233	26 300	258	28 400	280
17	173.9	156	26 700	263	29 700	292	32 100	316
18	194.9	175	29 950	295	33 300	327	35 950	354
19	217.2	195	33 350	328	37 100	364	40 100	394
20	240.6	217	37 000	364	41 100	404	44 400	437
21	265.3	239	40 800	402	45 350	445	49 000	481
22	291.2	262	44 800	440	49 750	488	53 800	528
23	318.3	286	48 900	481	54 400	534	58 800	577
24	346.5	312	53 300	524	59 250	581	64 000	629
25	376.0	338	57 800	569	64 250	630	69 450	682
26	406.7	366	62 550	616	69 500	681	75 100	738
27	438.6	395	67 450	663	74 950	735	81 000	795
28	471.7	425	72 550	714	80 600	790	87 150	856
29	506.0	455	77 800	766	86 450	848	93 450	918
30	541.5	487	83 300	819	92 550	907	100 000	983
31	578.2	520	88 950	875	98 800	969	106 800	1049
32	616.1	554	94 750	932	105 300	1032	113 800	1118
33	655.2	590	100 800	992	112 000	1098	121 000	1189
34	695.5	626	107 000	1053	118 850	1165	128 500	1262
35	737.0	663	113 400	1115	125 950	1235	136 150	1337
36	779.7	702	119 950	1180	133 250	1306	144 050	1415
37	823.6	741	126 750	1247	140 800	1380	152 150	1494
38	868.7	782	133 650	1315	148 500	1456	160 500	1576
39	915.1	824	140 800	1385	156 450	1534	169 050	1661
40	962.6	866	148 100	1457	164 550	1613	177 850	1746
41	1011.3	910	155 600	1530	172 900	1695	186 850	1835
42	1061.3	955	163 300	1606	181 450	1778	196 050	1925
43	1112.4	1001	171 150	1683	190 150	1864	205 500	2019
44	1164.7	1048	179 250	1763	199 100	1952	215 200	2113
45	1218.3	1096	187 450	1843	208 300	2042	225 100	2210
46	1273.0	1146	195 850	1926	217 650	2133	235 200	2310
47	1329.0	1196	204 500	2011	227 200	2227		
48	1386.1	1248	213 300	2097	237 000	2323		
49	1444.5	1300	222 300	2186	246 950	2421		
50	1504.0	1354	231 400	2276	257 150	2521		
51	1564.8	1408	240 800	2368	267 550	2622		
52	1626.8	1464	250 300	2462	278 150	2726		

Breaking force on request



DIEPA H 50

Ordinary lay
- must not be used with a swivel -

DIEPA H 53

Ordinary lay
with plastic insert
- must not be used with a swivel -

Number of load-bearing
wires in the outer strands: 208

Total number of wires: 347

inch/lbs – see page 55

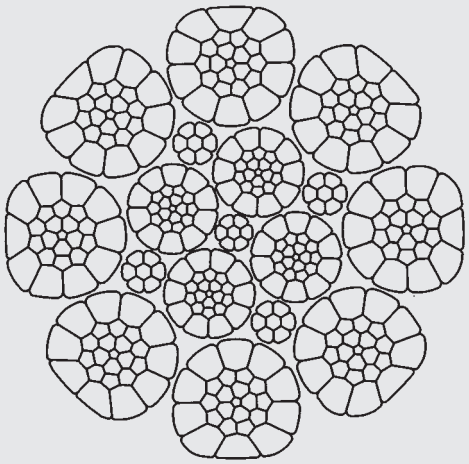
Calculated breaking force =
Minimum breaking force : Spinning loss factor

Fill factor	-	0.7660
Spinning loss factor	-	0.8550 at 1770 N/mm^2
		1960 N/mm^2
		0.8400 at 2160 N/mm^2

DIEPA H 50 – Ordinary lay
DIEPA H 53 – Ordinary lay

lbs / inch

Nom. rope Ø inch	Metallic cross-section sq. foot	Nominal length mass lbs/foot	Minimum breaking force								
			Rope grade 1770 N/mm²			Rope grade 1960 N/mm²			Rope grade 2160 N/mm²		
			kN	lbs	short tons 2000 lbs	kN	lbs	short tons 2000 lbs	kN	lbs	short tons 2000 lbs
1/2	1044	0.587	147	32 800	16.45	163	36 500	18.28	176	39 500	19.75
9/16	1322	0.743	186	41 600	20.82	206	46 200	23.14	223	50 000	25.00
5/8	1632	0.917	229	51 400	25.72	254	57 100	28.57	275	61 700	30.88
3/4	2350	1.320	330	74 000	37.03	366	82 200	41.14	396	88 900	44.47
7/8	3199	1.797	450	100 800	50.41	498	112 000	56.01	539	121 000	60.53
1	4178	2.347	587	131 600	65.84	650	146 200	73.15	704	158 100	79.06
1 1/8	5288	2.971	743	166 600	83.32	823	185 100	92.58	891	200 100	100.06
1 1/4	6528	3.668	918	205 700	102.88	1016	228 600	114.31	1100	247 000	123.53
1 3/8	7899	4.438	1111	248 900	124.47	1230	276 600	138.31	1331	298 900	149.47
1 1/2	9400	5.282	1322	296 200	148.14	1463	329 200	164.61	1585	355 700	177.89
1 5/8	11032	6.199	1551	347 700	173.87	1718	386 300	193.18	1860	417 500	208.78
1 3/4	12795	7.189	1799	403 200	201.64	1992	448 000	224.04	2157	484 200	242.13
1 7/8	14688	8.253	2065	462 900	231.47	2287	514 300	257.20	Breaking force on request		
2	16712	9.390	2350	526 700	263.36	2602	585 200	292.64			



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10/08