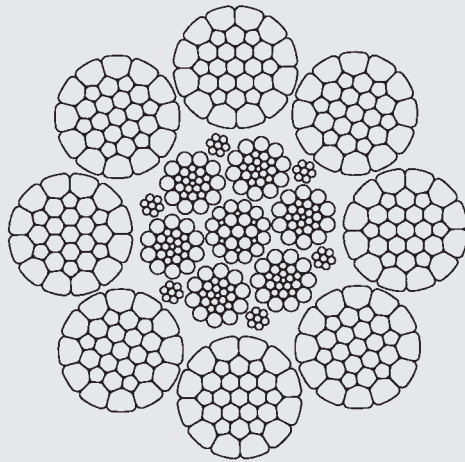


Spezialdrahtseile Special Wire Ropes



DIEPA W 40 **(DIEPA ZV 831)**

Ordinary lay
- must not be used with a swivel -

Number of load-bearing
wires in the outer strands: 248

Total number of wires: 471

inch/lbs – see page 63

Calculated breaking force =
Minimum breaking force : Spinning loss factor

Fill factor - 0.7303
Spinning loss factor - 0.8400

Nom. rope Ø mm	Metallic cross-section mm ²	Nominal length mass kg/100m	Minimum breaking force					
			Rope grade 1770 N/mm ²		Rope grade 1960 N/mm ²		Rope grade 2160 N/mm ²	
			kp	kN	kp	kN	kp	kN
70	2810.5	2529	424 900	4179	472 150	4628	519 350	5100
71	2891.4	2602	437 150	4299	485 700	4760	534 300	5246
72	2973.4	2676	449 550	4421	499 500	4896	549 450	5395
73	3056.6	2751	462 100	4544	513 450	5032	564 850	5546
74	3140.9	2827	474 850	4670	527 600	5171	580 400	5699
75	3226.4	2904	487 750	4797	542 000	5312	596 200	5854



DIEPA B 40 (DIEPA D 1315)

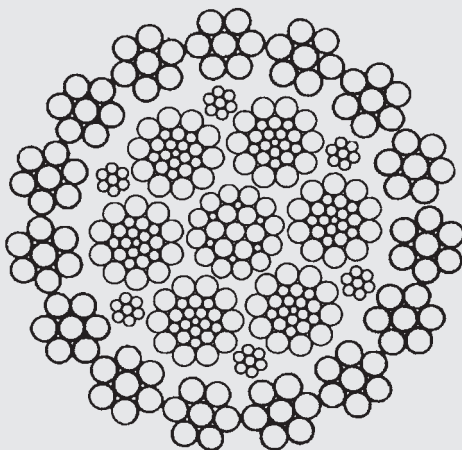
Ordinary lay

DIEPA B 45 (DIEPA D 1315 C)

Lang lay



Nom. rope Ø inch	Metallic cross-section sq. foot	Nominal length mass lbs/foot	Minimum breaking force								
			Rope grade 1770 N/mm ²			Rope grade 1960 N/mm ²			Rope grade 2160 N/mm ²		
			kN	lbs	short tons 2000 lbs	kN	lbs	short tons 2000 lbs	kN	lbs	short tons 2000 lbs
3/16	125	0.067	16.0	3 500	1.79	17.7	3 900	1.98	18.8	4 200	2.11
1/4	222	0.120	28.5	6 300	3.19	31.5	7 000	3.54	33.4	7 400	3.74
5/16	347	0.187	44.5	9 900	4.97	49.3	11 000	5.53	52.2	11 700	5.85
3/8	499	0.270	64.1	14 300	7.18	70.9	15 900	7.97	75.2	16 800	8.43
7/16	680	0.367	87.2	19 500	9.77	96.5	21 600	10.85	102	22 900	11.47
1/2	888	0.479	114	25 500	12.75	126	28 300	14.18	134	29 900	14.99
9/16	1124	0.607	144	32 200	16.14	160	35 800	17.93	169	37 900	18.98
5/8	1387	0.749	178	39 800	19.93	197	44 300	22.16	209	46 800	23.43
3/4	1998	1.079	256	57 400	28.71	284	63 800	31.90	301	67 400	33.74
7/8	2719	1.468	349	78 100	39.08	386	86 800	43.42	409	91 800	45.93
1	3551	1.918	455	102 000	51.05	504	113 400	56.72	534	119 900	60.00
1 1/8	4495	2.427	576	129 200	64.61	638	143 500	71.79	676	151 800	75.94
1 1/4	5549	2.996	712	159 500	79.76	788	177 200	88.64	835	187 500	93.75
1 3/8	6714	3.626	861	193 000	96.53	954	214 500	107.25	1010	226 800	113.44
1 1/2	7990	4.315	1025	229 700	114.87	1135	255 200	127.64	1203	269 900	135.00
1 5/8	9377	5.064	1203	269 600	134.82	1332	299 500	149.79	1411	316 800	158.44
1 3/4	10876	5.873	1395	312 700	156.36	1545	347 400	173.73	1637	367 500	183.76
1 7/8	12485	6.742	1601	358 900	179.50	1773	398 800	199.44	1879	421 800	210.95
2	14205	7.671	1822	408 400	204.23	2018	453 800	226.92	2138	480 000	240.01
2 1/8	16036	8.660	2057	461 100	230.56	2278	512 300	256.17	2413	541 900	270.96
2 1/4	17978	9.709	2306	516 900	258.48	2553	574 400	287.20	2706	607 500	303.77
2 3/8	20031	10.817	2569	575 900	287.99	2845	639 900	320.00	3015	676 900	338.46
2 1/2	22195	11.986	2847	638 200	319.10	3152	709 100	354.57	3340	750 000	375.02
2 5/8	24470	13.214	3139	703 600	351.82	3475	781 800	390.91	3683	826 900	413.46
2 3/4	26856	14.503	3445	772 200	386.12	3814	858 000	429.04	4042	907 500	453.78



Number of load-bearing wires in the outer strands: 105

Total number of wires: 328 (up Ø 11 mm)

Calculated breaking force =
Minimum breaking force : Spinning loss factor

Fill factor - 0.6511
Spinning loss factor - 0.7800 at 1770 N/mm²
1960 N/mm²
0.7500 at 2160 N/mm²