Diepa®

SPECIAL WIRE ROPES

www.diepa.de

QUALITY
MADE IN GERMANY

DIEPA IS A PROTECTED TRADEMARK AND STANDS FOR DIETZ-PATENT

DIEPA specialises in the manufacture of special wire ropes for use on equipment that demands the highest degree of precision, durability and safety from its component parts.

- established 1873
- 350 employees
- more than 49,000 m² of production area
- ISO 9001:2008 certified

TABLE OF CONTENTS

The DIEPA Special Wire Rope	4
Rope Constructions	6
Rope Selection	7
Rotation Resistant	8
Non-rotation Resistant	9
DIEPA **B 40/43/45/48**	10
DIEPA **B 50/53/55/58**	14
DIEPA **B 60/63/65/68**	18
DIEPA **B 70/73/75/78**	20
DIEPA **C 40/43/45/48**	22
DIEPA **K 40/43/45/48**	24
DIEPA **X 40/43/45/48**	26
DIEPA **X 50/53/55/58**	29
DIEPA **H 40/43**	32
DIEPA **H 50/53**	35
DIEPA **W 40/43**	37
DIEPA **F 41/46**	39
DIEPA **SUPER 3**	41
DIEPA **SUPER 4**	43
DIEPA **D 1200 Z**	45
DIEPA **D 1318 Z/ZP/CZ/CZP**	47
DIEPA **K 114**	50
DIEPA **Z 299/PZ 299**	52
DIEPA **S 417**	54
DIEPA Special Wire Ropes - Discontinued Products	57
General Information	57
Application Table	58

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

RELIABLE
HIGH PERFORMANCE

Steel wire ropes are regarded as critical components of a lifting appliance and must be capable of meeting the varied demands that are placed upon them, whether they are related to breaking force, bending strength, abrasion or rotation resistance.
In order to meet these demands, the construction of DIEPA special wire ropes combined with the advanced machinery and methods that are employed to produce them, are the culmination of decades of intensive research and development, resulting in a high degree of in-service rope structural stability.
This means that they are capable of performing under the most demanding of loading conditions.
And, of course, the above-average service life brings economic benefits, too. DIEPA special wire ropes are designed and manufactured to afford a higher level of in-service rope safety and reliability, particularly when they are operating in situations where high loading is experienced and/or critical operating conditions prevail.

ROPE CONSTRUCTION

Experience gleaned from manufacturing processes and application technology along with ultra-modern computing software have been brought together to achieve the optimum rope construction of DIEPA special wire ropes.

WIRE MATERIAL

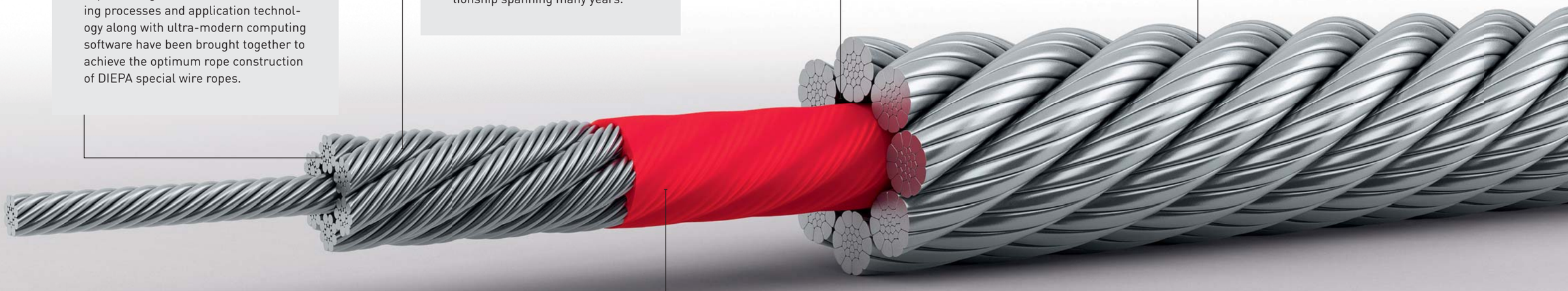
DIEPA only processes exceptionally high quality wire materials which go far beyond the requirements stipulated by the relevant standards. DIEPA works exclusively with experienced and reliable wire manufacturers with which it has built up a solid working relationship spanning many years.

ROPE LUBRICANT

The interior of the strands and the rope are critical points in the rope structure. This is why they are filled with special lubricant during the individual stranding operation itself. This serves to inhibit the onset of internal corrosion, something especially important for prolonged service.

MANUFACTURING TECHNIQUES

The ultra-modern machines we employ produce the highest level of precision during the stranding process. Every DIEPA special wire rope up to a diameter of 120 mm and its components are manufactured on machines especially optimised for this purpose and operated by qualified manufacturing staff.



ROPES CONTAINING PLASTIC

For decades now DIEPA has manufactured special wire ropes containing plastic, too. Only ultra-modern plastics such as polyamide 12 are employed.

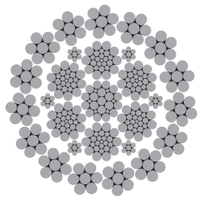
SERVICE

Our experts can provide specialist on-site inspection services using the most up to date criteria as detailed in ISO 4309.

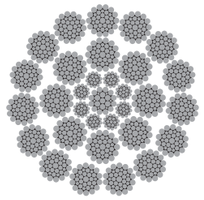
AVAILABILITY

Our well-stocked warehouse allows us to react rapidly to a varied customer demand.

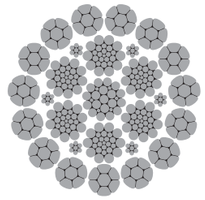
DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**



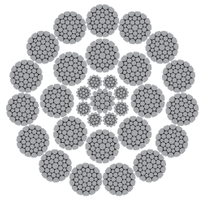
DIEPA **B 40/43/45/48**
Page 10



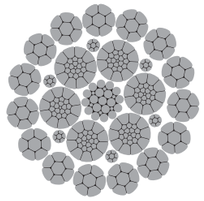
DIEPA **B 40/43/45/48**
Page 10



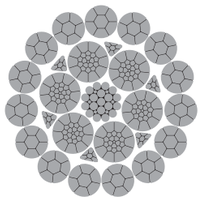
DIEPA **B 50/53/55/58**
Page 14



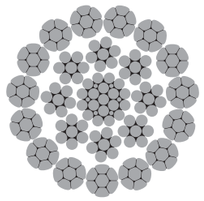
DIEPA **B 50/53/55/58**
Page 14



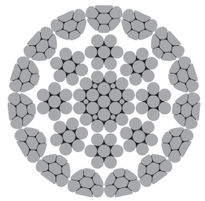
DIEPA **B 60/63/65/68**
Page 18



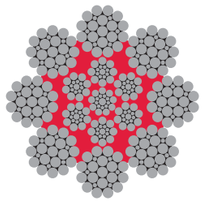
DIEPA **B 70/73/75/78**
Page 20



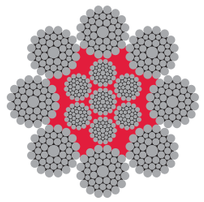
DIEPA **C 40/43/45/48**
Page 22



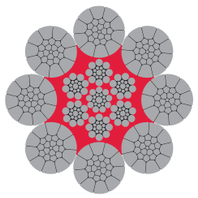
DIEPA **K 40/43/45/48**
Page 24



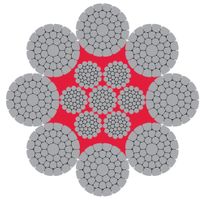
DIEPA **X 40/43/45/48**
Page 26



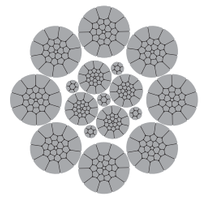
DIEPA **X 40/43/45/48**
Page 26



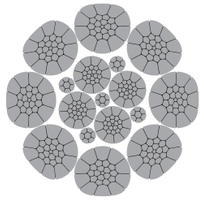
DIEPA **X 50/53/55/58**
Page 29



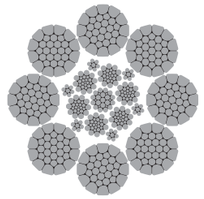
DIEPA **X 50/53/55/58**
Page 29



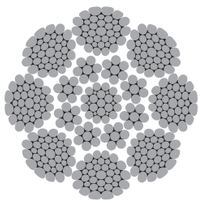
DIEPA **H 40/43**
Page 32



DIEPA **H 50/53**
Page 35

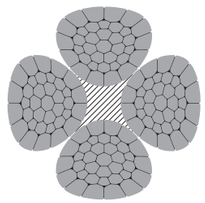


DIEPA **W 40/43**
Page 37

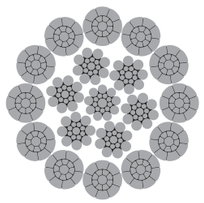


DIEPA F 41/46
Page 39

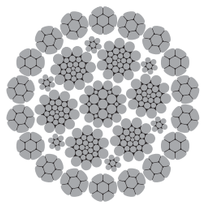
DIEPA **SUPER 3**
Page 41



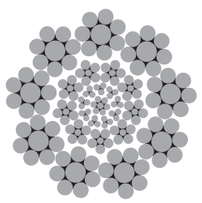
DIEPA **SUPER 4**
Page 43



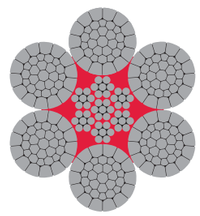
DIEPA **D 1200 Z**
Page 45



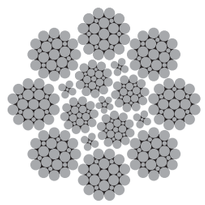
DIEPA **D 1318 Z/ZP/CZ/CZP**
Page 47



DIEPA **K 114**
Page 50



DIEPA **Z 299/PZ 299**
Page 52



DIEPA **S 417**
Page 54

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

ROPE SELECTION
ROTATION RESISTANT OR NON-ROTATION RESISTANT?

The most important factor in selecting the right wire rope for the job in hand is deciding whether a rope type is to be rotation resistant or non-rotation resistant.
This point needs to be considered very carefully as using the wrong rope type can have serious consequences, for example, shortened service life, changes in the rope structure, unintentional rope breaks.

ROTATION RESISTANT ROPES MUST BE USED FOR

- the lifting of an unguided load on a single fall
- the lifting of an unguided load on several falls at a great lifting height

⚠ Rotation resistant ropes can be used with and without a swivel.

NON-ROTATION RESISTANT ROPES MUST BE USED FOR

- the lifting of a guided load
- the lifting of unguided loads on several falls at low lifting heights
- the lifting of loads with right-handed and left-handed ropes operating in pairs

⚠ Non-rotation resistant ropes must not be used with a swivel.

ℹ Should you have any queries in this regard, please contact our specialists.

ROTATION RESISTANT

Rotation resistant DIEPA special wire ropes can be used on a wide range of lifting appliances.
Rotation resistant DIEPA special wire ropes can be used, for example, as a hoisting rope on mobile cranes, tower cranes, offshore- crane and deck cranes.

DIEPA **B-SERIES:** UNIVERSAL USE

NON-COMPACTED OUTER STRANDS

DIEPA **B 40**	Ordinary lay
DIEPA **B 43**	Ordinary lay with internal plastic component
DIEPA **B 45**	Lang lay
DIEPA **B 48**	Lang lay with internal plastic component

COMPACTED OUTER STRANDS
HIGH BREAKING FORCE

DIEPA **B 50**	Ordinary lay
DIEPA **B 53**	Ordinary lay with internal plastic component
DIEPA **B 55**	Lang lay
DIEPA **B 58**	Lang lay with internal plastic component

COMPACTED OUTER STRANDS
VERY HIGH BREAKING FORCE

DIEPA **B 60**	Ordinary lay
DIEPA **B 63**	Ordinary lay with internal plastic component
DIEPA **B 65**	Lang lay
DIEPA **B 68**	Lang lay with internal plastic component

COMPACTED OUTER STRANDS,
EXTREMLEY HIGH BREAKING FORCE

DIEPA **B 70**	Ordinary lay
DIEPA **B 73**	Ordinary lay with internal plastic component
DIEPA **B 75**	Lang lay
DIEPA **B 78**	Lang lay with internal plastic component

PLEASE NOTE

In the case of multi-layer spooling on the drum a lang lay rotation resistant rope with compacted outer strands has the capability of extending service life whereas ordinary lay rotation resistant rope is recommended when single-layer spooling.

In some circumstances, and for optimum wire rope performance, the application in question may necessitate the selection of a different rotation resistant or slightly rotation resistant DIEPA special wire rope (see the application table on page 58 for more information).

Should you have any queries in this regard, please contact our specialists.

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

NON-ROTATION RESISTANT

Non-rotation resistant DIEPA special wire ropes can be used on a wide range of appliances.
Examples of applications for non-rotation resistant DIEPA special wire ropes are hoisting rope for indoor cranes, ladle cranes, steel mill cranes, mobile harbour cranes and gantry cranes as well as luffing rope for cranes and rope for winching duties.

DIEPA **X-** AND **H-SERIES:** UNIVERSAL USE

NON-COMPACTED OUTER STRANDS

DIEPA **X 40**	Ordinary lay
DIEPA **X 43**	Ordinary lay with internal plastic component
DIEPA **X 45**	Lang lay
DIEPA **X 48**	Lang lay with internal plastic component

COMPACTED OUTER STRANDS
HIGH BREAKING FORCE

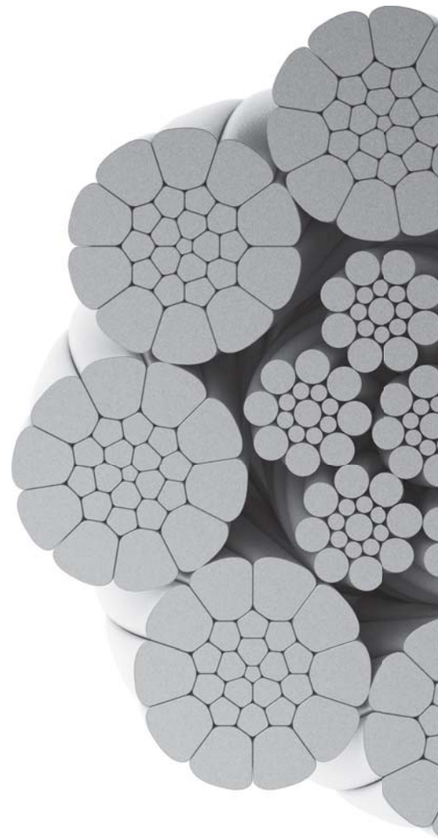
DIEPA **X 50**	Ordinary lay
DIEPA **X 53**	Ordinary lay with internal plastic component
DIEPA **X 55**	Lang lay
DIEPA **X 58**	Lang lay with internal plastic component

COMPACTED OUTER STRANDS
VERY HIGH BREAKING FORCE

DIEPA **H 40**	Ordinary lay
DIEPA **H 43**	Ordinary lay with internal plastic component

COMPACTED OUTER STRANDS
EXTREMLEY HIGH BREAKING FORCE

DIEPA **H 50**	Ordinary lay
DIEPA **H 53**	Ordinary lay with internal plastic component



PLEASE NOTE

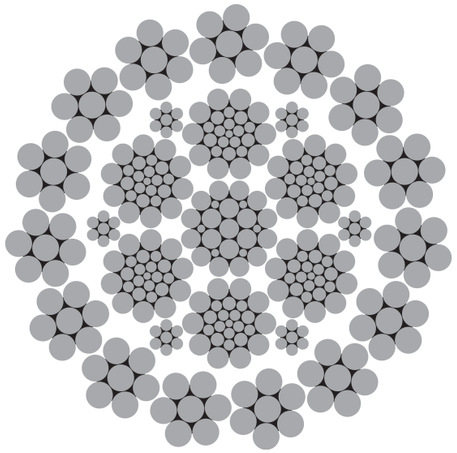
Due to the high stability of their rope structure non-rotation resistant ropes in ordinary lay have been used successfully both in single-layer and multi-layer spooling. In multi-layer spooling compacted outer strands are advantageous.

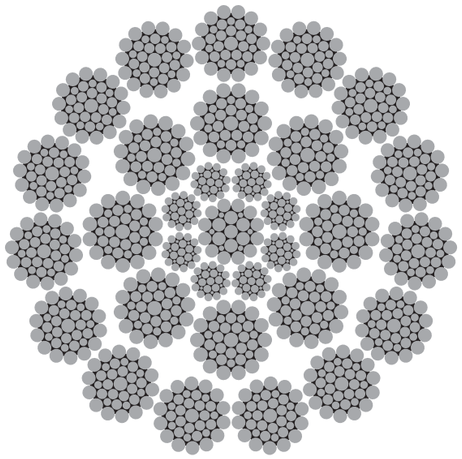
In some circumstances, and for optimum wire rope performance, the application in question may necessitate the selection of a different non-rotation resistant DIEPA special wire rope. (see the application table on page 58 for more information).

Should you have any queries in this regard, please contact our specialists.

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

DIEPA **B 40** (D 1315)
DIEPA **B 43**
DIEPA **B 45** (D 1315 C)
DIEPA **B 48**





PRODUCT

DIEPA **B 40**	Ordinary lay
DIEPA **B 43**	Ordinary lay with internal plastic component
▶ DIEPA **B 45**	Lang lay
DIEPA **B 48**	Lang lay with internal plastic component

PROPERTIES

- Rotation resistant
- Non-compacted outer strands

TECHNICAL DATA

Load-bearing wires in outer strands/ RCN acc. to ISO 4309	105	Ø 4 – 49 mm	RCN.23-2
	255	Ø 50 – 99 mm	RCN.27
	540	Ø 100 – 120 mm	RCN.31
Total number of wires	154	Ø 4 – 5 mm	
	238	Ø 6 – 10 mm	
	328	Ø 11 – 49 mm	
	549	Ø 50 – 99 mm	
	1053	Ø 100 – 120 mm	
Fill factor	0.6511		
Spinning loss factor	0.7800	at 1770 N/mm²	
	0.7800	at 1960 N/mm²	
	0.7500	at 2160 N/mm²	

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
4		7	11.3	1 100	2 400	12.5	1 200	2 600	13.3	1 350	2 900
	3/16	10	15.5	1 580	3 400	17.2	1 750	3 800	18.6	1 900	4 100
5		11	17.7	1 750	3 800	19.5	1 950	4 200	20.7	2 100	4 600
6		16	25.4	2 550	5 600	28.1	2 800	6 100	29.8	3 000	6 600
	1/4	18	28.1	2 860	6 300	31.2	3 180	7 000	33.2	3 380	7 400
6.5		19	29.8	3 000	6 600	33.0	3 350	7 300	35.0	3 550	7 800
7		22	34.6	3 500	7 700	38.3	3 900	8 500	40.6	4 100	9 000
7.5		25	39.7	4 000	8 800	44.0	4 450	9 800	46.6	4 700	10300
	5/16	28	43.9	4 480	9 800	48.8	4 970	10900	52.1	5 310	11700
8		28	45.2	4 550	10000	49.5	5 050	11100	53.0	5 400	11900
8.5		32	51.0	5 150	11300	56.5	5 700	12500	59.9	6 050	13300
9		36	57.2	5 800	12700	62.8	6 400	14100	67.0	6 800	14900
9.5		40	63.7	6 450	14200	70.6	7 150	15700	74.8	7 600	16700
	3/8	40	63.7	6 490	14300	70.6	7 190	15800	74.9	7 640	16800
10		44	70.6	7 200	15800	78.0	7 950	17500	82.9	8 450	18600
11		55	86.8	8 850	19500	97.1	9 900	21800	103	10450	23000
	7/16	55	88.5	9 020	19800	99.0	10090	22200	104	10650	23400
12		65	103	10550	23200	115	11700	25700	122	12400	27300

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
	1/2	71	115	11690	25700	127	12970	28500	134	13710	30200
13		75	120	12200	26800	133	13550	29800	140	14300	31500
14		87	139	14150	31100	154	15700	34600	163	16600	36500
	9/16	90	144	14700	32400	160	16320	35900	169	17250	38000
15		99	158	16100	35400	176	17900	39400	185	18900	41600
	5/8	111	176	17980	39600	196	20000	44000	207	21130	46500
16		113	179	18250	40200	199	20300	44700	210	21450	47200
17		128	203	20700	45600	226	23000	50700	238	24300	53500
18		143	227	23100	50900	252	25700	56600	266	27150	59800
19		160	255	26000	57300	283	28850	63600	300	30550	67300
	3/4	161	256	26130	57600	284	29000	63900	301	30700	67600
20		177	282	28750	63300	313	31950	70400	332	33800	74500
21		196	311	31750	69900	346	35250	77700	366	37350	82300
22		214	340	34700	76400	379	38600	85000	400	40800	89900
	7/8	218	347	35420	78000	386	39390	86800	408	41640	91700
23		234	372	37900	83500	413	42100	92800	437	44550	98200
24		254	405	41250	90900	449	45800	100900	475	48450	106800
25		277	440	44900	98900	490	49900	110000	518	52800	116400
	1	285	454	46260	101900	504	51400	113300	534	54400	119900
26		298	474	48350	106500	527	53700	118300	558	56850	125300
27		324	515	52450	115600	572	58300	128500	605	61650	135900
28		347	553	56350	124200	614	62600	138000	649	66200	145900
	1 1/8	361	576	58710	129400	640	65210	143700	677	68990	152000
29		373	593	60450	133200	659	67150	148000	697	71050	156600
30		400	637	64900	143000	708	72150	159000	749	76300	168200
31		426	678	69100	152300	753	76800	169300	797	81250	179100
	1 1/4	446	712	72570	159900	791	80640	177700	837	85320	188000
32		455	723	73750	162500	804	81950	180600	851	86700	191100
33		481	766	78100	172100	852	86800	191300	901	91800	202300
34		511	814	82950	182800	904	92150	203100	956	97500	214900
	1 3/8	540	855	87170	192100	950	96880	213500	1 005	102470	225900
35		539	858	87500	192900	954	97250	214300	1 009	102850	226700
36		574	914	93200	205400	1 016	103550	228200	1 074	109500	241400
37		604	961	98000	216000	1 068	108900	240000	1 130	115200	253900
38		638	1 015	103500	228100	1 129	115050	253600	1 193	121650	268100
	1 1/2	642	1 020	104020	229300	1 134	115620	254800	1 199	122260	269500
39		671	1 067	108800	239800	1 186	120900	266500	1 255	127900	281900
40		707	1 125	114700	252800	1 250	127450	280900	1 323	134850	297200
41		743	1 183	120600	265800	1 315	134000	295400	1 391	141750	312500
	1 5/8	754	1 199	122220	269400	1 332	135810	299400	1 409	143660	316700
42		779	1 240	126450	278700	1 379	140550	309800	1 458	148650	327700
43		815	1 297	132200	291400	1 441	146850	323700	1 524	155350	342400
44		855	1 361	138750	305800	1 513	154200	339900	1 600	163050	359400
	1 3/4	874	1 388	141520	311900	1 543	157260	346600	1 632	166310	366600
45		893	1 422	144950	319500	1 580	161050	355000	1 671	170350	375500
46		938	1 494	152250	335600	1 659	169150	372900	1 755	178900	394400
47		978	1 557	158750	349900	1 730	176350	388700	1 830	186550	411200
	1 7/8	1 003	1 598	162860	359000	1 775	180930	398800	1 877	191380	421900
48		1 019	1 622	165300	364400	1 802	183650	404800	1 906	194250	428200
49		1 058	1 684	171700	378500	1 871	190750	420500	1 980	201800	444800
50		1 106	1 761	179500	395700	1 957	199450	439700	2 069	210950	465000
	2	1 142	1 817	185240	408300	2 019	205830	453700	2 136	217730	480000
51		1 151	1 836	186700	411500	2 033	207450	457300	2 155	219450	483700
52		1 196	1 909	194100	427900	2 114	215700	475500	2 240	228150	502900
53		1 243	1 984	201650	444500	2 196	224050	493900	2 327	237000	522400
	2 1/8	1 289	2 052	209190	461100	2 280	232370	512200	2 411	245810	541900
54		1 290	2 058	209350	461500	2 280	232550	512600	2 416	246000	542300
55		1 338	2 136	217150	478700	2 365	241250	531800	2 506	255200	562600
56		1 387	2 214	225100	496200	2 452	250100	551300	2 598	264600	583300
57		1 437	2 294	233250	514200	2 540	259150	571300	2 692	274100	604200

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

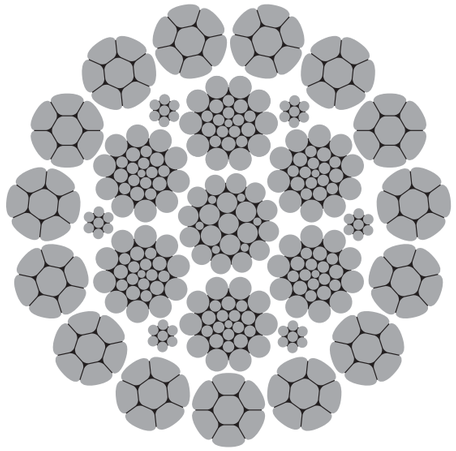
Diameter		Weight	Min. breaking force **1770 N/mm²**			Min. breaking force **1960 N/mm²**			Min. breaking force **2160 N/mm²**		
mm	inch	kg/100m	kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
	2¼	1 445	2 300	234470	516900	2 556	260510	574300	2 703	275540	607400
58		1 488	2 375	241450	532300	2 630	268350	591600	2 787	283800	625600
59		1 540	2 458	249900	550900	2 721	277650	612100	2 884	293700	647400
60		1 592	2 541	258450	569700	2 814	287150	633000	2 982	303750	669600
	2⅜	1 610	2 563	261300	576000	2 848	290310	640000	3 013	307090	677000
61		1 646	2 627	267150	588900	2 909	296800	654300	3 083	313950	692100
62		1 700	2 714	275950	608300	3 005	306600	675900	3 185	324300	714900
63		1 756	2 802	284900	628000	3 103	316600	697900	3 288	334850	738200
	2½	1 784	2 840	289450	638100	3 155	321630	709000	3 337	340200	750000
64		1 812	2 891	294050	648200	3 202	326700	720200	3 393	345600	761900
65		1 869	2 983	303300	668600	3 303	337000	742900	3 500	356450	785800
66		1 927	3 076	312700	689300	3 405	347450	765900	3 608	367500	810100
	2⅝	1 966	3 131	319170	703600	3 479	354640	781800	3 680	375130	827000
67		1 986	3 169	322250	710400	3 509	358050	789300	3 719	378750	834900
68		2 045	3 264	331950	731800	3 615	368850	813100	3 831	390150	860100
69		2 106	3 361	341750	753400	3 722	379750	837100	3 944	401700	885500
	2¾	2 158	3 436	350240	772100	3 818	389170	857900	4 038	411630	907400
70		2 167	3 459	351750	775400	3 831	390850	861600	4 059	413400	911300
71		2 230	3 559	361900	797800	3 941	402100	886400	On request		
72		2 293	3 660	372150	820400	4 053	413500	911600			
73		2 357	3 762	382550	843300	4 166	425100	937100			
	2⅞	2 359	3 765	382860	844000	4 169	425400	937800			
74		2 422	3 866	393150	866700	4 281	436800	962900			
75		2 488	3 971	403800	890200	4 398	448650	989000			
76		2 555	4 078	414650	914100	4 515	460700	1 015600			
	3	2 568	4 099	416870	919000	4 539	463200	1 021100			
77		2 623	4 186	425600	938200	4 636	472950	1 042600			
78		2 691	4 295	436800	962900	4 756	485300	1 069800			
79		2 761	4 406	448050	987700	4 879	497800	1 097400			
	3⅛	2 787	4 448	452340	997200	4 926	502600	1 108000			
80		2 831	4 519	459450	1 012900	5 004	510500	1 125400			
81		2 902	4 632	471000	1 038300	5 129	523350	1 153700			
82		2 974	4 747	482700	1 064100	5 256	536350	1 182400			
	3¼	3 014	4 811	489250	1 078600	5 327	543620	1 198400			
83		3 047	4 863	494550	1 090200	5 386	549500	1 211400			
84		3 121	4 982	506550	1 116700	5 516	562850	1 240800			
85		3 196	5 101	518700	1 143500	5 649	576300	1 270500			
	3⅜	3 251	5 188	527610	1 163100	5 745	586240	1 292400			
86		3 272	5 221	530950	1 170500	5 782	589950	1 300600			
87		3 348	5 344	543400	1 197900	5 917	603750	1 331000			
88		3 425	5 467	555950	1 225600	6 054	617750	1 361800			
	3½	3 496	5 580	567410	1 250900	6 179	630460	1 389900			
89		3 504	5 593	568650	1 253600	6 192	631850	1 392900			
90		3 583	5 719	581500	1 281900	6 333	646150	1 424500			
91		3 663	5 846	594500	1 310600	6 474	660550	1 456200			
92		3 744	5 976	607650	1 339600	6 617	675200	1 488500			
	3⅝	3 750	5 985	608670	1 341800	6 628	676300	1 490900			
93		3 826	6 106	620950	1 368900	6 762	689900	1 520900			
94		3 909	6 238	634350	1 398400	6 908	704850	1 553900			
95		3 992	6 372	647900	1 428300	7 056	719900	1 587000			
	3¾	4 013	6 405	651370	1 436000	7 093	723750	1 595500			
96		4 077	6 507	661650	1 458600	7 205	735150	1 620700			
97		4 162	6 642	675500	1 489200	7 356	750550	1 654600			
98		4 248	6 781	689500	1 520000	7 508	766100	1 688900			
	3⅞	4 285	6 839	695520	1 533300	7 574	772800	1 703700			
99		4 335	6 919	703650	1 551200	7 662	781800	1 723500			
100		4 423	7 060	717950	1 582700	7 818	797700	1 758600			
101		4 512	7 202	732350	1 614500	7 975	813750	1 793900			
	4	4 566	7 288	741120	1 633800	8 070	823460	1 815300			
102		4 602	7 345	746950	1 646700	8 134	829950	1 829700			

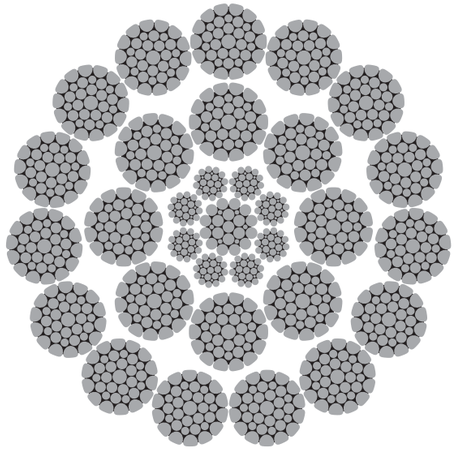
As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

DIEPA **B 40** (D 1315)
DIEPA **B 43**
DIEPA **B 45** (D 1315 C)
DIEPA **B 48**

Diameter		Weight	Min. breaking force **1770 N/mm²**			Min. breaking force **1960 N/mm²**			Min. breaking force **2160 N/mm²**		
mm	inch	kg/100m	kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
103		4 693	7 490	761650	1 679100	8 294	846300	1 865700	On request		
104		4 784	7 636	776500	1 711800	8 456	862800	1 902100			
	4⅛	4 856	7 750	788160	1 737500	8 582	875740	1 930600			
105		4 877	7 784	791500	1 744900	8 619	879450	1 938800			
106		4 970	7 933	806650	1 778300	8 784	896300	1 975900			
107		5 064	8 083	821950	1 812000	8 951	913300	2 013400			
	4¼	5 155	8 227	836650	1 844400	9 110	929610	2 049400			
108		5 159	8 234	837400	1 846100	9 119	930450	2 051200			
109		5 255	8 388	853000	1 880500	9 288	947750	2 089400			
110		5 352	8 543	868700	1 915100	9 460	965250	2 127900			
111		5 450	8 699	884550	1 950000	9 632	982850	2 166700			
	4⅜	5 462	8 718	886600	1 954500	9 654	985100	2 171700			
112		5 549	8 856	900550	1 985300	9 807	1 000650	2 206000			
113		5 648	9 015	916750	2 021000	9 982	1 018600	2 245600			
114		5 749	9 175	933000	2 056800	10160	1 036700	2 285500			
	4½	5 779	9 224	937980	2 067800	10214	1 042200	2 297600			
115		5 850	9 337	949450	2 093100	10339	1 054950	2 325700			
116		5 952	9 500	966050	2 129700	10520	1 073400	2 366400			
117		6 055	9 664	982800	2 166600	10702	1 092000	2 407400			
	4⅝	6 104	9 743	990810	2 184300	10789	1 100910	2 427000			
118		6 159	9 830	999650	2 203800	10886	1 110750	2 448700			
119		6 264	9 998	1 016650	2 241300	11071	1 129650	2 490400			
120		6 370	10167	1 033850	2 279200	11258	1 148700	2 532400			

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**





PRODUCT

DIEPA **B 50**	Ordinary lay
DIEPA **B 53**	Ordinary lay with internal plastic component
▶ DIEPA **B 55**	Lang lay
DIEPA **B 58**	Lang lay with internal plastic component

PROPERTIES

- Rotation resistant
- Compacted outer strands
- High breaking force

TECHNICAL DATA

Load-bearing wires in outer strands/ RCN acc. to ISO 4309	105	Ø 4 – 49 mm	RCN.23-2
	255	Ø 50 – 99 mm	RCN.27
	540	Ø 100 – 120 mm	RCN.31
Total number of wires	154	Ø 4 – 5 mm	
	238	Ø 6 – 10 mm	
	328	Ø 11 – 49 mm	
	549	Ø 50 – 99 mm	
	1053	Ø 100 – 120 mm	
Fill factor	0.7145		
Spinning loss factor	0.8350	at 1770 N/mm²	
	0.8350	at 1960 N/mm²	
	0.8150	at 2160 N/mm²	

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
4		8	13.3	1 300	2 800	14.7	1 450	3 100	15.8	1 550	3 400
	3/16	11	18.1	1 850	4 000	20.3	2 070	4 500	21.7	2 210	4 800
5		12	20.7	2 050	4 500	23.0	2 300	5 000	24.7	2 450	5 400
6		17	29.9	3 000	6 600	33.1	3 300	7 200	35.6	3 550	7 800
	1/4	20	32.8	3 340	7 300	36.4	3 710	8 100	39.1	3 990	8 700
6.5		21	35.0	3 500	7 700	38.8	3 900	8 500	41.7	4 200	9 200
7		24	40.6	4 050	8 900	45.0	4 550	10000	48.4	4 850	10600
7.5		27	46.7	4 700	10300	51.7	5 250	11500	55.6	5 600	12300
	5/16	31	51.6	5 260	11500	57.5	5 860	12900	61.8	6 300	13800
8		31	53.1	5 350	11700	58.8	5 950	13100	63.2	6 400	14100
8.5		35	59.9	6 050	13300	66.4	6 750	14800	71.4	7 250	15900
9		39	67.2	6 800	14900	74.4	7 550	16600	80.0	8 150	17900
9.5		44	74.9	7 550	16600	82.9	8 400	18500	88.8	9 000	19800
	3/8	44	74.9	7 590	16700	82.9	8 450	18600	88.9	9 060	19900
10		49	82.4	8 400	18500	91.7	9 350	20600	98.6	10050	22100
11		59	101	10300	22700	112	11450	25200	120	12250	27000
	7/16	60	103	10490	23100	114	11660	25700	122	12480	27500
12		70	119	12100	26600	132	13450	29600	142	14450	31800

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

DIEPA **B 50** (D 1315 Z)
DIEPA **B 53** (D 1315 ZP)
DIEPA **B 55** (D 1315 CZ)
DIEPA **B 58** (D 1315 CZP)

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
	1/2	78	134	13650	30000	149	15170	33400	160	16280	35800
13		83	141	14350	31600	156	15950	35100	168	17100	37600
14		95	162	16550	36400	181	18400	40500	194	19750	43500
	9/16	99	169	17220	37900	188	19140	42100	202	20550	45300
15		109	186	18950	41700	207	21050	46400	222	22600	49800
	5/8	122	211	21490	47300	234	23850	52500	251	25620	56400
16		126	214	21850	48100	238	24250	53400	256	26050	57400
17		141	240	24500	54000	267	27250	60000	287	29250	64400
18		159	271	27600	60800	301	30650	67500	323	32900	72500
19		176	300	30550	67300	333	33950	74800	358	36450	80300
	3/4	176	301	30720	67700	335	34140	75200	360	36650	80700
20		196	334	34050	75000	371	37850	83400	398	40600	89500
21		218	371	37800	83300	412	42000	92500	442	45100	99400
22		238	406	41400	91200	451	46000	101400	485	49400	108900
	7/8	240	414	42230	93100	460	46920	103400	494	50390	111000
23		260	442	45100	99400	491	50100	110400	528	53800	118600
24		282	481	49000	108000	534	54450	120000	573	58450	128800
25		301	512	52200	115000	569	58000	127800	611	62300	137300
	1	313	529	53880	118700	587	59870	131900	631	64290	141700
26		325	554	56450	124400	616	62750	138300	661	67350	148400
27		350	596	60750	133900	662	67500	148800	711	72450	159700
28		383	652	66500	146600	725	73900	162900	778	79350	174900
	1 1/8	396	675	68800	151600	750	76460	168500	805	82080	180900
29		406	692	70500	155400	769	78350	172700	825	84100	185400
30		434	740	75450	166300	822	83800	184700	883	90000	198400
31		461	786	80150	176600	874	89050	196300	938	95650	210800
	1 1/4	489	829	84520	186300	921	93900	207000	989	100800	222200
32		495	844	86000	189500	937	95550	210600	1 006	102550	226000
33		525	895	91250	201100	995	101400	223500	1 068	108900	240000
34		559	952	97000	213800	1 058	107800	237600	1 136	115750	255100
	1 3/8	592	1 009	102850	226700	1 121	114250	251800	1 204	122710	270500
35		595	1 013	103300	227700	1 126	114750	252900	1 209	123250	271700
36		629	1 072	109300	240900	1 191	121450	267700	1 279	130400	287400
37		665	1 132	115400	254400	1 258	128250	282700	1 351	137700	303500
38		701	1 194	121750	268400	1 327	135300	298200	1 425	145250	320200
	1 1/2	705	1 201	122390	269800	1 334	136010	299800	1 432	146010	321800
39		738	1 258	128250	282700	1 398	142500	314100	1 501	153000	337300
40		777	1 323	134900	297400	1 471	149900	330400	1 579	160950	354800
41		816	1 390	141700	312300	1 545	157500	347200	1 659	169100	372700
	1 5/8	827	1 409	143650	316600	1 566	159650	351900	1 682	171410	377800
42		856	1 459	148750	327900	1 621	165250	364300	1 741	177450	391200
43		898	1 529	155900	343600	1 700	173250	381900	1 825	186000	410000
44		940	1 601	163250	359900	1 780	181400	399900	1 910	194750	429300
	1 3/4	959	1 634	166600	367200	1 816	185130	408100	1 950	198770	438200
45		983	1 675	170750	376400	1 861	189750	418300	1 999	203750	449100
46		1 027	1 750	178400	393300	1 945	198250	437000	2 088	212850	469200
47		1 072	1 827	186250	410600	2 030	206950	456200	2 180	222250	489900
	1 7/8	1 101	1 877	191300	421700	2 085	212530	468500	2 239	228210	503100
48		1 118	1 906	194300	428300	2 117	215850	475800	2 273	231750	510900
49		1 165	1 986	202450	446300	2 207	224950	495900	2 370	241550	532500
50		1 214	2 068	210800	464700	2 298	234250	516400	2 467	251500	554400
	2	1 253	2 135	217620	479700	2 372	241790	533000	2 547	259600	572300
51		1 263	2 152	219350	483500	2 391	243700	537200	2 567	261650	576800
52		1 313	2 237	228000	502600	2 485	253350	558500	2 668	272000	599600
53		1 364	2 323	236850	522100	2 582	263200	580200	2 772	282600	623000
	2 1/8	1 414	2 410	245710	541600	2 679	273040	601900	2 876	293180	646300
54		1 415	2 412	245900	542100	2 681	273250	602400	2 878	293400	646800
55		1 468	2 503	255100	562300	2 781	283450	624800	2 986	304350	670900
56		1 522	2 594	264450	583000	2 883	293850	647800	3 095	315500	695500
57		1 577	2 695	274000	604000	2 984	304400	671000	3 209	326850	720500

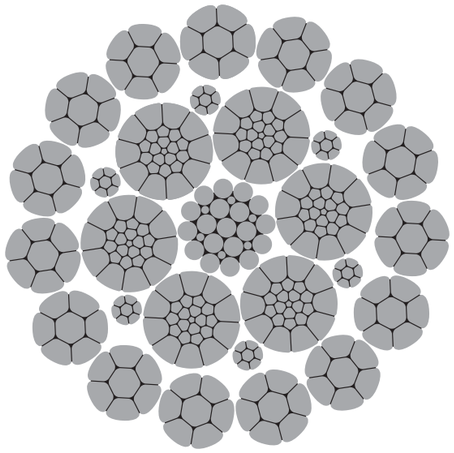
DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

Diameter		Weight	Min. breaking force **1770 N/mm²**			Min. breaking force **1960 N/mm²**			Min. breaking force **2160 N/mm²**		
mm	inch	kg/100m	kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
	2¼	1 585	2 702	275430	607200	3 002	306010	674600	3 223	328570	724300
58		1 633	2 790	283650	625300	3 090	315250	695000	3 324	338450	746100
59		1 690	2 887	293550	647100	3 197	326150	719000	3 438	350200	772000
60		1 747	2 986	303600	669300	3 307	337300	743600	3 557	362150	798300
	2⅜	1 766	3 011	306940	676600	3 345	341020	751800	3 592	366150	807200
61		1 806	3 086	313800	691800	3 418	348650	768600	3 676	374350	825200
62		1 866	3 188	324150	714600	3 530	360200	794000	3 797	386750	852600
63		1 927	3 292	334750	737900	3 645	371950	820000	3 921	399350	880400
	2½	1 957	3 336	340050	749600	3 707	377850	833000	3 980	405690	894300
64		1 988	3 397	345400	761400	3 762	383800	846100	4 046	412100	908500
65		2 051	3 504	356300	785400	3 880	395900	872800	4 174	425100	937100
66		2 114	3 613	367400	809900	4 000	408150	899800	4 303	438250	966100
	2⅝	2 158	3 678	374960	826600	4 087	416620	918400	4 388	447300	986100
67		2 179	3 723	378550	834500	4 122	420650	927300	4 434	451600	995500
68		2 245	3 835	389950	859600	4 247	433300	955200	4 568	465200	1 025500
69		2 311	3 949	401550	885200	4 373	446100	983400	4 703	479000	1 056000
	2¾	2 368	4 037	411480	907100	4 485	457180	1 007800	4 815	490840	1 082100
70		2 379	4 064	413250	911000	4 500	459150	1 012200	4 840	492950	1 086700
71		2 447	4 181	425100	937100	4 630	472400	1 041400	On request		
72		2 516	4 299	437200	963800	4 761	485800	1 070900			
73		2 587	4 420	449400	990700	4 894	499350	1 100800			
	2⅞	2 589	4 423	449770	991500	4 898	499740	1 101700			
74		2 658	4 542	461800	1 018000	5 029	513100	1 131100			
75		2 730	4 665	474400	1 045800	5 166	527100	1 162000			
76		2 804	4 790	487100	1 073800	5 305	541250	1 193200			
	3	2 819	4 816	489730	1 079600	5 333	544140	1 199600			
77		2 878	4 917	500000	1 102300	5 445	555600	1 224800			
78		2 953	5 046	513100	1 131100	5 588	570100	1 256800			
79		3 029	5 176	526350	1 160300	5 731	584850	1 289300			
	3⅛	3 058	5 225	531390	1 171500	5 786	590430	1 301600			
80		3 107	5 308	539750	1 189900	5 878	599700	1 322000			
81		3 185	5 442	553350	1 219900	6 025	614850	1 355400			
82		3 264	5 577	567050	1 250100	6 176	630100	1 389100			
	3¼	3 308	5 652	574750	1 267000	6 258	638610	1 407800			
83		3 344	5 714	581000	1 280800	6 327	645550	1 423100			
84		3 425	5 852	595100	1 311900	6 480	661200	1 457600			
85		3 507	5 992	609300	1 343200	6 636	677050	1 492600			
	3⅜	3 567	6 095	619820	1 366400	6 749	688680	1 518200			
86		3 590	6 134	623750	1 375100	6 793	693050	1 527800			
87		3 674	6 278	638350	1 407300	6 951	709250	1 563600			
88		3 759	6 423	653100	1 439800	7 113	725650	1 599700			
	3½	3 836	6 555	666580	1 469500	7 258	740640	1 632800			
89		3 845	6 570	668050	1 472700	7 275	742300	1 636400			
90		3 932	6 718	683150	1 506000	7 439	759050	1 673400			
91		4 020	6 868	698400	1 539600	7 605	776000	1 710700			
92		4 109	7 020	713850	1 573700	7 773	793150	1 748500			
	3⅝	4 115	7 031	715040	1 576300	7 786	794490	1 751500			
93		4 198	7 173	729450	1 608100	7 943	810500	1 786800			
94		4 289	7 329	745200	1 642800	8 115	828000	1 825400			
95		4 381	7 485	761150	1 678000	8 289	845750	1 864500			
	3¾	4 404	7 525	765210	1 686900	8 332	850230	1 874400			
96		4 474	7 644	777300	1 713600	8 464	863600	1 903800			
97		4 567	7 804	793550	1 749400	8 641	881750	1 943900			
98		4 662	7 965	810000	1 785700	8 820	900000	1 984100			
	3⅞	4 702	8 035	817070	1 801300	8 897	907860	2 001400			
99		4 758	8 129	826650	1 822400	9 001	918500	2 024900			
100		4 854	8 294	843400	1 859300	9 184	937100	2 065900			
101		4 952	8 460	860350	1 896700	9 369	955900	2 107300			
	4	5 011	8 561	870630	1 919300	9 480	967370	2 132600			
102		5 050	8 629	877500	1 934500	9 555	974950	2 149300			

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

DIEPA **B 50** (D 1315 Z)
DIEPA **B 53** (D 1315 ZP)
DIEPA **B 55** (D 1315 CZ)
DIEPA **B 58** (D 1315 CZP)

Diameter		Weight	Min. breaking force **1770 N/mm²**			Min. breaking force **1960 N/mm²**			Min. breaking force **2160 N/mm²**		
mm	inch	kg/100m	kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
103		5 150	8 799	894750	1 972500	9 744	994150	2 191700	On request		
104		5 250	8 970	912200	2 011000	9 933	1 013600	2 234500			
	4⅛	5 329	9 105	925900	2 041200	10082	1 028770	2 268000			
105		5 352	9 144	929850	2 049900	10125	1 033150	2 277600			
106		5 454	9 319	947650	2 089100	10319	1 052950	2 321300			
107		5 557	9 496	965600	2 128700	10515	1 072900	2 365300			
	4¼	5 657	9 665	982870	2 166800	10702	1 092070	2 407500			
108		5 662	9 673	983750	2 168700	10712	1 093050	2 409700			
109		5 767	9 854	1 002050	2 209100	10912	1 113350	2 454400			
110		5 873	10036	1 020500	2 249700	11113	1 133900	2 499700			
111		5 981	10219	1 039150	2 290900	11316	1 154600	2 545400			
	4⅜	5 994	10242	1 041530	2 296100	11341	1 157250	2 551200			
112		6 089	10404	1 057950	2 332300	11520	1 175550	2 591600			
113		6 198	10590	1 076950	2 374200	11727	1 196600	2 638000			
114		6 308	10779	1 096100	2 416400	11935	1 217850	2 684800			
	4½	6 342	10835	1 101890	2 429200	11999	1 224330	2 699100			
115		6 420	10969	1 115400	2 459000	12146	1 239300	2 732100			
116		6 532	11160	1 134850	2 501800	12358	1 261000	2 780000			
117		6 645	11353	1 154550	2 545300	12572	1 282850	2 828100			
	4⅝	6 699	11446	1 163960	2 566000	12674	1 293290	2 851100			
118		6 759	11548	1 174350	2 588900	12788	1 304850	2 876600			
119		6 874	11745	1 194350	2 633000	13006	1 327050	2 925600			
120		6 990	11943	1 214500	2 677400	13225	1 349450	2 974900			



PRODUCT

DIEPA **B 60**	Ordinary lay
DIEPA **B 63**	Ordinary lay with internal plastic component
▶ DIEPA **B 65**	Lang lay
DIEPA **B 68**	Lang lay with internal plastic component

PROPERTIES

- Rotation resistant
- Compacted outer strands
- Very high breaking force

TECHNICAL DATA

Load-bearing wires in outer strands/ RCN acc. to ISO 4309	105	Ø 12 – 49 mm	RCN.23-2
	255	Ø 50 – 70 mm	RCN.27
Total number of wires	328	Ø 12 – 49 mm	
	549	Ø 50 – 70 mm	
Fill factor	0.7357		
Spinning loss factor	0.8450	at 1770 N/mm²	
	0.8450	at 1960 N/mm²	
	0.8250	at 2160 N/mm²	

Diameter		Weight	Min. breaking force **1770 N/mm²**			Min. breaking force **1960 N/mm²**			Min. breaking force **2160 N/mm²**		
mm	inch	kg/100m	kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
12		72	123	12550	27600	137	13950	30700	148	15000	33000
	½	80	139	14170	31200	154	15740	34700	166	16900	37200
13		85	147	14900	32800	162	16550	36400	175	17750	39100
14		98	169	17200	37900	188	19100	42100	202	20500	45100
	9/16	102	176	17890	39400	195	19890	43800	209	21340	47000
15		112	194	19650	43300	215	21900	48200	232	23500	51800
	⅝	125	218	22270	49000	243	24790	54600	261	26650	58700
16		130	223	22650	49900	248	25200	55500	266	27100	59700
17		145	250	25450	56100	278	28300	62300	299	30400	67000
18		163	281	28650	63100	313	31850	70200	337	34200	75300
19		181	312	31750	69900	347	35300	77800	373	37950	83600
	¾	181	313	31920	70300	348	35490	78200	374	38150	84100
20		201	347	35400	78000	386	39300	86600	416	42200	93000
21		224	386	39250	86500	428	43650	96200	461	46900	103300
22		245	422	43000	94700	470	47800	105300	505	51350	113200
	⅞	247	430	43870	96700	478	48760	107400	514	52370	115400
23		267	460	46850	103200	512	52050	114700	550	55900	123200
24		290	500	50950	112300	556	56600	124700	598	60800	134000
25		309	532	54250	119500	592	60250	132800	637	64800	142800

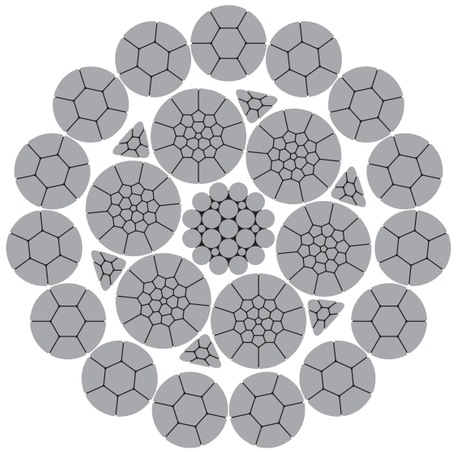
As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

DIEPA **B 60**
DIEPA **B 63**
DIEPA **B 65**
DIEPA **B 68**

Diameter		Weight	Min. breaking force **1770 N/mm²**			Min. breaking force **1960 N/mm²**			Min. breaking force **2160 N/mm²**		
mm	inch	kg/100m	kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
	1	322	549	56000	123400	610	62220	137100	656	66870	147400
26		334	577	58700	129400	640	65250	143800	689	70050	154400
27		360	620	63150	139200	689	70150	154600	740	75350	166100
28		394	678	69150	152400	754	76850	169400	811	82500	181800
	1⅛	407	702	71530	157600	780	79520	175300	837	85340	188100
29		417	719	73300	161500	800	81500	179600	860	87450	192700
30		446	770	78450	172900	856	87200	192200	919	93550	206200
31		474	818	83350	183700	909	92600	204100	977	99450	219200
	1¼	503	862	87860	193600	958	97640	215200	1 029	104860	231100
32		509	877	89400	197000	975	99350	219000	1 048	106700	235200
33		540	931	94900	209200	1 035	105450	232400	1 113	113250	249600
34		575	990	100900	222400	1 100	112100	247100	1 183	120450	265500
	1⅜	609	1 049	106930	235700	1 166	118830	261900	1 252	127650	281400
35		612	1 054	107400	236700	1 171	119350	263100	1 258	128200	282600
36		647	1 115	113650	250500	1 240	126300	278400	1 332	135650	299000
37		684	1 178	120050	264600	1 309	133400	294000	1 406	143300	315900
38		721	1 243	126650	279200	1 381	140700	310100	1 483	151100	333100
	1½	725	1 249	127310	280600	1 388	141440	311800	1 490	151900	334800
39		759	1 309	133400	294000	1 455	148250	326800	1 562	159200	350900
40		799	1 377	140350	309400	1 530	155900	343600	1 643	167450	369100
41		839	1 446	147450	325000	1 608	163800	361100	1 727	175950	387800
	1⅝	850	1 466	149460	329400	1 629	166040	366000	1 750	178350	393100
42		880	1 518	154700	341000	1 687	171900	378900	1 812	184600	406900
43		923	1 591	162150	357400	1 769	180200	397200	1 899	193500	426500
44		966	1 666	169800	374300	1 851	188650	415800	1 989	202650	446700
	1¾	986	1 700	173280	382000	1 889	192540	424400	2 029	206830	455900
45		1 011	1 743	177600	391500	1 936	197350	435000	2 080	212000	467300
46		1 056	1 821	185600	409100	2 023	206200	454500	2 173	221500	488300
47		1 102	1 901	193750	427100	2 113	215300	474600	2 269	231200	509700
	1⅞	1 132	1 952	198990	438600	2 169	221100	487400	2 329	237440	523400
48		1 149	1 983	202100	445500	2 203	224550	495000	2 366	241150	531600
49		1 198	2 067	210600	464200	2 296	234000	515800	2 466	251300	554000
50		1 248	2 152	219300	483400	2 391	243650	537100	2 567	261650	576800
	2	1 288	2 221	226360	499000	2 467	251510	554400	2 650	270110	595400
51		1 298	2 239	228150	502900	2 488	253500	558800	2 672	272250	600200
52		1 350	2 327	237150	522800	2 586	263550	581000	2 778	283050	624000
53		1 402	2 417	246400	543200	2 687	273800	603600	2 885	294050	648200
	2⅛	1 454	2 507	255560	563400	2 786	284030	626100	2 992	305020	672400
54		1 455	2 510	255750	563800	2 788	284250	626600	2 995	305250	672900
55		1 509	2 603	265400	585100	2 893	294900	650100	3 107	316700	698100
56		1 565	2 699	275100	606400	2 999	305700	673900	3 221	328300	723700
57		1 621	2 803	285000	628300	3 105	316700	698100	3 340	340100	749700
	2¼	1 630	2 811	286500	631600	3 123	318360	701800	3 354	341890	753700
58		1 679	2 902	295100	650500	3 214	327900	722800	3 459	352150	776300
59		1 737	3 004	305350	673100	3 326	339300	748000	3 578	364400	803300
60		1 796	3 106	315800	696200	3 440	350900	773500	3 701	376850	830800
	2⅜	1 814	3 132	319290	703900	3 480	354770	782100	3 738	381010	839900
61		1 857	3 211	326450	719600	3 555	362700	799600	3 825	389550	858800
62		1 918	3 317	337200	743300	3 673	374700	826000	3 951	402400	887100
63		1 981	3 424	348200	767600	3 792	386900	852900	4 080	415550	916100
	2½	2 012	3 470	353720	779800	3 856	393070	866500	4 141	422140	930600
64		2 044	3 534	359300	792100	3 913	399300	880200	4 211	428800	945300
65		2 108	3 646	370650	817100	4 037	411850	907900	4 343	442350	975200
66		2 173	3 759	382150	842400	4 162	424600	936000	4 478	456050	1 005400
	2⅝	2 218	3 826	390050	859900	4 252	433410	955400	4 566	465470	1 026100
67		2 240	3 873	393800	868100	4 289	437600	964700	4 615	469950	1 036000
68		2 308	3 990	405650	894200	4 418	450750	993700	4 754	484100	1 067200
69		2 376	4 108	417700	920800	4 549	464100	1 023100	4 894	498450	1 098800
	2¾	2 434	4 199	428050	943600	4 665	475560	1 048400	5 011	510760	1 126000
70		2 446	4 228	429900	947700	4 681	477600	1 052900	5 037	512950	1 130800

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

DIEPA **B 70**
DIEPA **B 73**
DIEPA **B 75**
DIEPA **B 78**



PRODUCT

DIEPA **B 70**	Ordinary lay
DIEPA **B 73**	Ordinary lay with internal plastic component
▶ DIEPA **B 75**	Lang lay
DIEPA **B 78**	Lang lay with internal plastic component

PROPERTIES

- Rotation resistant
- Compacted outer strands
- Extremley high breaking force

TECHNICAL DATA

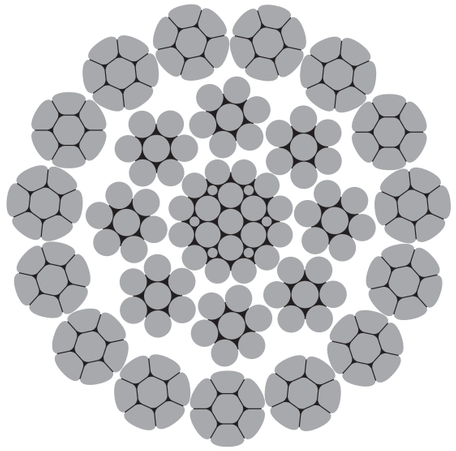
Load-bearing wires in outer strands/ RCN acc. to ISO 4309	105	Ø 12 – 38 mm	RCN.23-2
Total number of wires	328	Ø 12 – 38 mm	
Fill factor	0.7550		
Spinning loss factor	0.8450		

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
12		74	129	13200	29100	144	14650	32200	156	15750	34700
	½	82	146	14880	32800	162	16530	36400	175	17750	39100
13		87	155	15650	34500	170	17400	38300	184	18650	41100
14		100	178	18050	39700	198	20050	44200	213	21550	47500
	9/16	104	185	18830	41500	205	20930	46100	220	22480	49500
15		115	204	20650	45500	226	23000	50700	244	24700	54400
	⅝	128	228	23240	51200	254	25830	56900	272	27750	61100
16		133	235	23800	52400	261	26500	58400	280	28500	62800
17		148	263	26750	58900	292	29750	65500	315	31950	70400
18		167	296	30100	66300	329	33500	73800	355	35950	79200
19		185	328	33400	73600	365	37100	81700	392	39900	87900
	¾	185	329	33480	73800	365	37200	82000	392	39960	88100
20		206	365	37200	82000	406	41300	91000	438	44350	97700
21		229	406	41250	90900	450	45900	101100	485	49300	108600
22		250	444	45200	99600	494	50250	110700	531	54000	119000
	⅞	252	449	45580	100400	497	50640	111600	534	54390	119900
23		274	484	49250	108500	539	54750	120700	579	58800	129600
24		297	526	53550	118000	585	59500	131100	629	63950	140900

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
25		317	560	57050	125700	623	63350	139600	670	68150	150200
	1	329	586	59540	131200	649	66160	145800	697	71050	156600
26		342	607	61750	136100	673	68600	151200	725	73650	162300
27		368	652	66400	146300	725	73750	162500	778	79250	174700
28		403	713	72700	160200	793	80800	178100	853	86750	191200
	1⅛	417	741	75350	166100	821	83730	184600	884	89920	198200
29		427	756	77100	169900	842	85700	188900	905	91950	202700
30		457	810	82500	181800	901	91700	202100	967	98400	216900
31		485	861	87650	193200	956	97400	214700	1 028	104600	230600
	1¼	514	915	93030	205000	1 013	103380	227900	1 090	111020	244700
32		521	923	94000	207200	1 026	104500	230300	1 102	112200	247300
33		552	979	99800	220000	1 089	110900	244400	1 171	119100	262500
34		588	1 041	106100	233900	1 157	117900	259900	1 245	126700	279300
	1⅜	623	1 108	112570	248100	1 227	125090	275700	1 318	134340	296100
35		626	1 109	112950	249000	1 232	125550	276700	1 323	134850	297200
36		662	1 173	119550	263500	1 304	132850	292800	1 401	142700	314500
37		700	1 239	126250	278300	1 377	140300	309300	1 479	150750	332300
38		737	1 308	133200	293600	1 453	148000	326200	1 560	158950	350400
	1½	742	1 318	133980	295300	1 459	148860	328100	1 571	159880	352400

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**



PRODUCT

DIEPA **C 40**	Ordinary lay
DIEPA **C 43**	Ordinary lay with internal plastic component
▶ DIEPA **C 45**	Lang lay
DIEPA **C 48**	Lang lay with internal plastic component

PROPERTIES

- Rotation resistant
- Compacted outer strands

TECHNICAL DATA

Load-bearing wires in outer strands/ RCN acc. to ISO 4309	105	Ø 6 – 40 mm	RCN.23-2
Total number of wires	154	Ø 6 – 7 mm	
	186	Ø 8 – 40 mm	
Fill factor	0.6441		
Spinning loss factor	0.8300	at 1770 N/mm²	
	0.8300	at 1960 N/mm²	
	0.8100	at 2160 N/mm²	

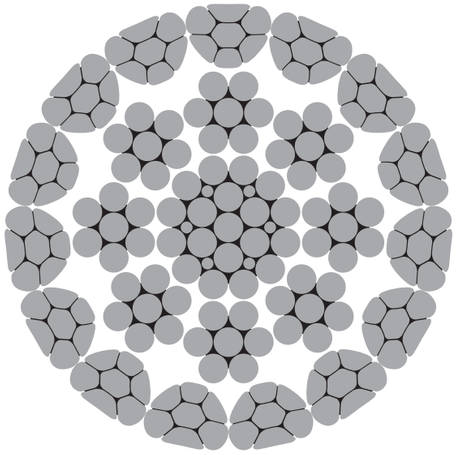
Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
6		17	26.8	2 650	5 800	29.6	2 950	6 500	31.9	3 200	7 000
	¼	19	30.0	3 040	6 700	33.2	3 370	7 400	35.7	3 620	7 900
6.5		20	31.4	3 150	6 900	34.8	3 500	7 700	37.4	3 800	8 300
7		23	36.4	3 700	8 100	40.3	4 100	9 000	43.4	4 400	9 700
7.5		26	41.8	4 200	9 200	46.3	4 650	10200	49.8	5 050	11100
	5/16	29	46.8	4 750	10400	51.8	5 280	11600	55.8	5 670	12500
8		30	47.6	4 800	10500	52.7	5 350	11700	56.6	5 750	12600
8.5		34	53.7	5 400	11900	59.5	6 050	13300	63.9	6 450	14200
9		38	60.2	6 100	13400	66.7	6 800	14900	71.7	7 250	15900
9.5		42	67.1	6 800	14900	74.3	7 550	16600	79.9	8 100	17800
	⅜	42	67.4	6 850	15100	74.7	7 610	16700	80.3	8 170	18000
10		47	74.3	7 550	16600	82.3	8 350	18400	88.3	8 950	19700
11		56	89.9	9 100	20000	99.6	10150	22300	107	10850	23900
	7/16	57	91.8	9 320	20500	102	10360	22800	109	11120	24500
12		67	107	10850	23900	119	12050	26500	127	12950	28500
	½	75	120	12180	26800	133	13530	29800	143	14530	32000
13		79	126	12750	28100	139	14150	31100	150	15200	33500
14		91	146	14800	32600	161	16450	36200	173	17650	38900

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

DIEPA **C 40** (D 915 Z)
DIEPA **C 43**
DIEPA **C 45** (D 915 CZ)
DIEPA **C 48**

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
	9/16	95	152	15420	33900	168	17130	37700	181	18390	40500
15		105	167	17000	37400	185	18850	41500	199	20250	44600
	⅝	117	187	19040	41900	207	21150	46600	223	22710	50000
16		119	190	19300	42500	211	21450	47200	227	23000	50700
17		135	215	21800	48000	238	24250	53400	256	26000	57300
18		151	241	24450	53900	267	27200	59900	287	29200	64300
19		168	268	27250	60000	297	30300	66700	319	32500	71600
	¾	169	270	27420	60400	299	30460	67100	321	32700	72000
20		186	297	30200	66500	329	33550	73900	354	36000	79300
21		205	328	33300	73400	363	37000	81500	390	39700	87500
22		225	360	36550	80500	398	40600	89500	428	43600	96100
	⅞	230	367	37320	82200	407	41470	91400	437	44520	98100
23		246	393	39950	88000	435	44400	97800	468	47650	105000
24		268	428	43500	95900	474	48350	106500	509	51900	114400
25		291	464	47200	104000	514	52450	115600	553	56300	124100
	1	300	479	48750	107400	531	54170	119400	571	58150	128100
26		315	502	51050	112500	556	56750	125100	599	60900	134200
27		339	542	55050	121300	600	61200	134900	646	65650	144700
28		365	583	59250	130600	645	65800	145000	694	70650	155700
	1⅛	380	607	61710	136000	672	68560	151100	723	73600	162200
29		391	625	63550	140100	692	70600	155600	744	75750	166900
30		419	669	68000	149900	741	75550	166500	796	81100	178700
31		447	714	72600	160000	791	80700	177900	851	86600	190900
	1¼	469	749	76180	167900	830	84650	186600	892	90870	200300
32		477	761	77350	170500	843	85950	189400	906	92250	203300
33		507	809	82300	181400	896	91400	201500	964	98100	216200
34		538	859	87350	192500	951	97050	213900	1 023	104200	229700
	1⅜	568	907	92170	203100	1 004	102420	225700	1 080	109940	242300
35		570	910	92550	204000	1 008	102850	226700	1 085	110400	243300
36		603	963	97900	215800	1 067	108800	239800	1 147	116800	257400
37		637	1 018	103450	228000	1 126	114950	253400	1 212	123400	272000
38		672	1 073	109100	240500	1 189	121200	267100	1 278	130150	286900
	1½	676	1 079	109700	241800	1 195	121890	268700	1 285	130850	288400
39		708	1 130	114900	253300	1 252	127650	281400	1 346	137050	302100
40		745	1 189	120850	266400	1 316	134300	296000	1 416	144200	317900

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**



PRODUCT

DIEPA **K 40**	Ordinary lay
▶ DIEPA **K 43**	Ordinary lay with internal plastic component
DIEPA **K 45**	Lang lay
DIEPA **K 48**	Lang lay with internal plastic component

PROPERTIES

- Rotation resistant
- Compacted outer strands
- Compacted rope
- Special rope for drilling rigs with kelly-bar

TECHNICAL DATA

Load-bearing wires in outer strands/ RCN acc. to ISO 4309	105	Ø 18 – 46 mm	RCN.23-2
Total number of wires	186	Ø 18 – 46 mm	
Fill factor	0.6850		
Spinning loss factor	0.8300		

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
18		157	256	26000	57300	284	28900	63700	On request		
19		175	286	29000	63900	316	32200	70900			
	¾	176	287	29160	64200	318	32400	71400			
20		194	316	32100	70700	350	35650	78500			
21		214	349	35400	78000	386	39350	86700			
22		234	383	38850	85600	423	43200	95200			
	⅞	239	390	39690	87500	432	44100	97200			
23		256	418	42450	93500	463	47200	104000			
24		279	456	46250	101900	504	51400	113300			
25		303	494	50200	110600	547	55750	122900			
	1	312	510	51850	114300	565	57610	127000			
26		327	535	54300	119700	592	60300	132900			
27		353	576	58550	129000	638	65050	143400			
28		380	620	62950	138700	686	70000	154300			
	1⅛	395	645	65620	144600	715	72910	160700			
29		407	665	67550	148900	736	75050	165400			
30		436	711	72300	159300	788	80300	177000			
31		465	759	77200	170100	841	85800	189100			

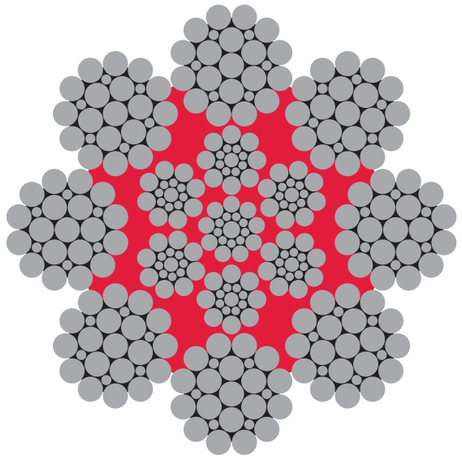
As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

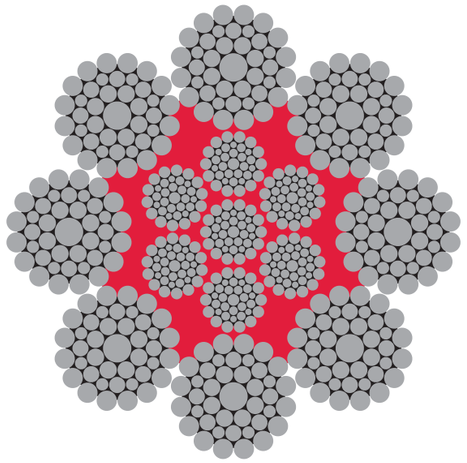
DIEPA **K 40**
DIEPA **K 43**
DIEPA **K 45**
DIEPA **K 48**

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
	1¼	488	797	81020	178600	882	90020	198400	On request		
32		496	809	82250	181300	896	91400	201500			
33		527	861	87500	192900	953	97200	214200			
34		560	914	92850	204600	1 012	103200	227500			
	1⅜	591	964	98030	216100	1 068	108920	240100			
35		593	969	98400	216900	1 072	109350	241000			
36		628	1 024	104150	229600	1 135	115700	255000			
37		663	1 082	110000	242500	1 199	122250	269500			
38		699	1 141	116000	255700	1 264	128900	284100			
	1½	703	1 147	116670	257200	1 270	129630	285700			
39		736	1 202	122200	269400	1 331	135800	299300			
40		775	1 265	128550	283400	1 400	142850	314900			
41		814	1 329	135050	297700	1 472	150100	330900			
	1⅝	825	1 347	136920	301800	1 491	152130	335300			
42		854	1 394	141750	312500	1 544	157500	347200			
43		895	1 462	148600	327600	1 619	165100	363900			
44		937	1 531	155550	342900	1 694	172850	381000			
	1¾	957	1 562	158800	350000	1 729	176440	388900			
45		981	1 600	162750	358700	1 772	180800	398500			
46		1 025	1 672	170050	374800	1 852	188900	416400			

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

DIEPA **X 40** (S 321)
DIEPA **X 43** (P 825)
DIEPA **X 45**
DIEPA **X 48** (P 825 C)





PRODUCT

DIEPA **X 40**	Ordinary lay
▶ DIEPA **X 43**	Ordinary lay with internal plastic component
DIEPA **X 45**	Lang lay
DIEPA **X 48**	Lang lay with internal plastic component

PROPERTIES

- Non-rotation resistant
- Non-compacted outer strands
- Use without rope swivel

TECHNICAL DATA

Load-bearing wires in outer strands/ RCN acc. to ISO 4309	152	Ø 4 – 49 mm	RCN.06
	288	Ø 50 – 69 mm	RCN.13
	328	Ø 70 – 100 mm	RCN.13
Total number of wires	201	Ø 4 – 14 mm	
	321	Ø 15 – 49 mm	
	409	Ø 50 – 69 mm	
	580	Ø 70 – 100 mm	
Fill factor	0.6226		
Spinning loss factor	0.8450	at 1770 N/mm²	
	0.8450	at 1960 N/mm²	
	0.8350	at 2160 N/mm²	

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
4		7	11.7	1 150	2 500	13.0	1 300	2 800	14.1	1 400	3 000
	3/16	10	16.3	1 660	3 600	17.8	1 810	3 900	19.5	1 990	4 300
5		11	18.3	1 850	4 000	20.2	2 000	4 400	22.0	2 200	4 800
6		16	26.3	2 650	5 800	29.2	2 950	6 500	31.7	3 200	7 000
	1/4	18	29.0	2 960	6 500	32.3	3 290	7 200	35.1	3 580	7 800
6.5		19	30.9	3 100	6 800	34.2	3 450	7 600	37.3	3 750	8 200
7		22	35.8	3 600	7 900	39.7	4 000	8 800	43.2	4 350	9 500
7.5		25	41.1	4 150	9 100	45.6	4 600	10100	49.6	5 050	11100
	5/16	27	43.3	4 410	9 700	48.1	4 900	10800	52.5	5 350	11700
8		27	43.7	4 450	9 800	48.6	4 950	10900	53.4	5 400	11900
8.5		33	52.8	5 350	11700	58.5	5 950	13100	63.7	6 450	14200
9		35	56.9	5 800	12700	63.3	6 450	14200	69.3	7 000	15400
9.5		41	66.0	6 650	14600	73.1	7 400	16300	79.6	8 050	17700
	3/8	41	66.0	6 660	14600	73.1	7 420	16300	79.6	8 070	17700
10		42	68.2	6 950	15300	76.0	7 750	17000	83.0	8 400	18500
11		54	86.3	8 800	19400	96.1	9 800	21600	105	10650	23400
	7/16	56	88.4	9 010	19800	98.4	10030	22100	107	10900	24000
12		65	106	10850	23900	118	12050	26500	129	13100	28800

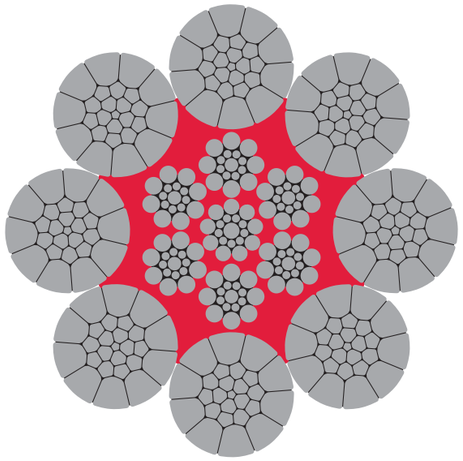
Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
	1/2	73	117	11950	26300	130	13290	29200	142	14440	31800
13		76	122	12450	27400	136	13850	30500	148	15050	33100
14		85	137	13950	30700	152	15500	34100	166	16850	37100
	9/16	92	145	14780	32500	161	16430	36200	175	17860	39300
15		103	166	16900	37200	184	18800	41400	201	20450	45000
	5/8	113	184	18780	41400	205	20940	46100	223	22720	50000
16		116	187	19050	41900	208	21250	46800	227	23050	50800
17		130	210	21400	47100	233	23750	52300	254	25800	56800
18		146	236	24100	53100	262	26750	58900	286	29050	64000
19		161	260	26550	58500	289	29500	65000	316	32100	70700
	3/4	163	262	26680	58800	291	29650	65300	316	32260	71100
20		178	288	29350	64700	320	32600	71800	348	35400	78000
21		195	315	32150	70800	351	35750	78800	382	38900	85700
22		223	361	36750	81000	401	40850	90000	437	44400	97800
	7/8	224	367	37430	82500	408	41610	91700	444	45230	99700
23		241	390	39800	87700	434	44250	97500	473	48100	106000
24		261	422	43050	94900	469	47850	105400	511	52050	114700
25		285	462	47100	103800	513	52300	115300	559	56900	125400
	1	290	476	48500	106900	529	53880	118700	575	58590	129100
26		307	497	50650	111600	552	56300	124100	601	61200	134900
27		326	528	53850	118700	587	59850	131900	640	65050	143400
28		358	580	59100	130200	645	65700	144800	701	71450	157500
	1 1/8	367	603	61430	135400	670	68290	150500	728	74240	163600
29		382	620	63150	139200	689	70200	154700	749	76300	168200
30		409	663	67550	148900	736	75050	165400	802	81600	179800
31		434	703	71650	157900	781	79600	175400	850	86500	190600
	1 1/4	453	734	74820	164900	816	83140	183200	887	90380	199200
32		459	745	75900	167300	827	84350	185900	901	91700	202100
33		497	806	82200	181200	896	91300	201200	975	99250	218800
34		528	855	87200	192200	951	96900	213600	1 035	105300	232100
	1 3/8	549	882	89890	198100	980	99870	220100	1 065	108550	239300
35		545	884	90100	198600	982	100100	220600	1 069	108800	239800
36		588	953	97100	214000	1 058	107900	237800	1 152	117300	258500
37		618	1 002	102150	225100	1 113	113500	250200	1 212	123400	272000
38		660	1 069	109000	240300	1 188	121150	267000	1 293	131700	290300
	1 1/2	653	1 074	109500	241400	1 194	121700	268200	1 298	132300	291600
39		691	1 120	114150	251600	1 244	126800	279500	1 354	137850	303900
40		728	1 180	120300	265200	1 311	133650	294600	1 427	145250	320200
41		760	1 232	125600	276800	1 369	139550	307600	1 490	151700	334400
	1 5/8	766	1 253	127720	281500	1 392	141900	312800	1 513	154260	340000
42		806	1 307	133250	293700	1 452	148050	326300	1 581	160950	354800
43		844	1 368	139400	307300	1 520	154900	341400	1 654	168400	371200
44		885	1 434	146200	322300	1 594	162450	358100	1 734	176600	389300
	1 3/4	889	1 453	148140	326500	1 615	164610	362800	1 755	178940	394400
45		911	1 481	150550	331900	1 640	167300	368800	1 786	181850	400900
46		956	1 550	158050	348400	1 723	175600	387100	1 875	190850	420700
47		994	1 616	164250	362100	1 789	182500	402300	1 948	198350	437200
	1 7/8	1 020	1 653	168510	371400	1 837	187230	412700	1 997	203520	448600
48		1 035	1 678	171050	377000	1 864	190050	418900	2 029	206600	455400
49		1 080	1 756	178500	393500	1 944	198400	437300	2 118	215600	475300
50		1 125	1 824	185950	409900	2 027	206600	455400	2 206	224650	495200
	2	1 161	1 882	191890	423000	2 092	213220	470000	2 274	231790	511000
51		1 170	1 902	193400	426300	2 107	214900	473700	2 294	233600	514900
52		1 203	1 951	198850	438300	2 168	220950	487100	2 359	240150	529400
53		1 264	2 054	208850	460400	2 275	232100	511600	2 477	252250	556100
	2 1/8	1 311	2 131	217220	478800	2 368	241350	532000	2 574	262340	578300
54		1 315	2 133	217400	479200	2 369	241550	532500	2 578	262550	578800
55		1 361	2 212	224950	495900	2 450	249950	551000	2 668	271700	598900
56		1 432	2 323	236750	521900	2 581	263050	579900	2 808	285900	630200
57		1 462	2 376	241600	532600	2 631	268450	591800	2 866	291800	643300

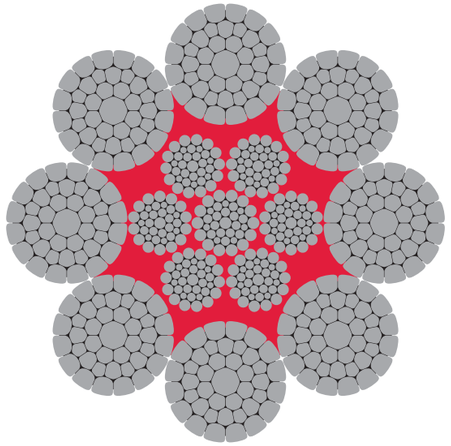
As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
	2¼	1 469	2 387	243290	536300	2 652	270330	595900	2 883	293850	647800
58		1 531	2 482	253000	557700	2 758	281100	619700	3 001	305600	673700
59		1 566	2 546	258850	570600	2 819	287600	634000	3 070	312650	689200
60		1 640	2 659	271000	597400	2 954	301150	663900	3 214	327350	721600
	2⅜	1 637	2 677	272870	601500	2 974	303210	668400	3 233	329590	726600
61		1 674	2 722	276700	610000	3 013	307450	677800	3 282	334200	736700
62		1 729	2 811	285850	630100	3 113	317600	700100	3 390	345250	761100
63		1 786	2 903	295150	650600	3 214	327950	722900	3 500	356500	785900
	2½	1 814	2 942	299850	661000	3 268	333170	734500	3 553	362170	798400
64		1 843	2 996	304600	671500	3 317	338450	746100	3 612	367900	811000
65		1 901	3 090	314200	692600	3 421	349100	769600	3 727	379500	836600
66		1 960	3 186	323950	714100	3 528	359950	793500	3 842	391250	862500
	2⅝	2 000	3 244	330660	728900	3 604	367410	809900	3 918	399350	880400
67		2 019	3 283	333850	736000	3 635	370950	817700	3 959	403200	888800
68		2 080	3 382	343850	758000	3 745	382100	842300	4 078	415300	915500
69		2 142	3 482	354050	780500	3 856	393400	867200	4 199	427600	942600
	2¾	2 195	3 559	362830	799800	3 955	403160	888800	4 299	438210	966000
70		2 204	3 584	364400	803300	3 968	404900	892600	4 321	440100	970200
71		2 268	3 687	374850	826300	4 082	416500	918200	4 446	452750	998100
72		2 332	3 792	385500	849800	4 198	428350	944300	4 572	465600	1 026400
73		2 397	3 897	396300	873600	4 315	440350	970700	4 700	478650	1 055200
	2⅞	2 399	3 900	396610	874300	4 319	440680	971500	4 703	479010	1 056000
74		2 463	4 005	407200	897700	4 435	452450	997400	4 830	491850	1 084300
75		2 531	4 114	418350	922200	4 555	464800	1 024600	4 961	505250	1 113800
76		2 598	4 224	429550	946900	4 678	477250	1 052100	On request		
	3	2 612	4 247	431850	952000	4 702	479830	1 057800			
77		2 667	4 337	440950	972100	4 801	489900	1 080000			
78		2 737	4 450	452450	997400	4 927	502750	1 108300			
79		2 808	4 565	464150	1 023200	5 055	515700	1 136900			
	3⅛	2 834	4 608	468580	1 033000	5 102	520650	1 147800			
80		2 879	4 680	475950	1 049200	5 183	528850	1 165900			
81		2 952	4 799	487900	1 075600	5 313	542150	1 195200			
82		3 025	4 918	500050	1 102400	5 445	555600	1 224800			
	3¼	3 066	4 984	506830	1 117300	5 519	563140	1 241400			
83		3 099	5 039	512350	1 129500	5 580	569250	1 254900			
84		3 174	5 160	524750	1 156800	5 715	583050	1 285300			
85		3 250	5 284	537300	1 184500	5 852	597000	1 316100			
	3⅜	3 306	5 375	546560	1 204900	5 952	607290	1 338800			
86		3 327	5 409	550050	1 212600	5 989	611150	1 347300			
87		3 405	5 536	562900	1 240900	6 130	625450	1 378800			
88		3 484	5 664	575950	1 269700	6 272	639900	1 410700			
	3½	3 555	5 780	587790	1 295800	6 401	653100	1 439800			
89		3 563	5 793	589050	1 298600	6 415	654550	1 443000			
90		3 644	5 924	602400	1 328000	6 560	669350	1 475600			
91		3 725	6 056	615850	1 357700	6 707	684300	1 508600			
92		3 808	6 190	629450	1 387600	6 855	699400	1 541800			
	3⅝	3 814	6 200	630530	1 390000	6 866	700590	1 544500			
93		3 891	6 326	643250	1 418100	7 004	714700	1 575600			
94		3 975	6 463	657150	1 448700	7 156	730150	1 609600			
95		4 060	6 600	671200	1 479700	7 309	745750	1 644000			
	3¾	4 081	6 635	674770	1 487500	7 348	749740	1 652800			
96		4 146	6 741	685400	1 511000	7 464	761550	1 678900			
97		4 233	6 882	699750	1 542600	7 620	777500	1 714000			
98		4 321	7 024	714250	1 574600	7 778	793650	1 749600			
	3⅞	4 358	7 085	720500	1 588400	7 846	800560	1 764900			
99		4 409	7 168	728900	1 606900	7 937	809900	1 785500			
100		4 499	7 313	743700	1 639500	8 098	826350	1 821700			

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.





PRODUCT

DIEPA **X 50**	Ordinary lay
▶ DIEPA **X 53**	Ordinary lay with internal plastic component
DIEPA **X 55**	Lang lay
DIEPA **X 58**	Lang lay with internal plastic component

PROPERTIES

- Non-rotation resistant
- Compacted outer strands
- High breaking force
- Use without rope swivel

TECHNICAL DATA

Load-bearing wires in outer strands/ RCN acc. to ISO 4309	152	Ø 4 – 14 mm	RCN.04
	208	Ø 15 – 44 mm	RCN.09
	288	Ø 45 – 69 mm	RCN.13
	328	Ø 70 – 100 mm	RCN.13
Total number of wires	201	Ø 4 – 14 mm	
	329	Ø 15 – 44 mm	
	409	Ø 45 – 69 mm	
	580	Ø 70 – 100 mm	
Fill factor	0.6750		
Spinning loss factor	0.8500	at 1770 N/mm²	
	0.8500	at 1960 N/mm²	
	0.8400	at 2160 N/mm²	

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
4		8	12.8	1 250	2 700	14.1	1 400	3 000	15.4	1 550	3 400
	3/16	11	18.1	1 830	4 000	20.0	2 040	4 400	21.8	2 210	4 800
5		12	19.9	1 950	4 200	22.1	2 250	4 900	24.0	2 400	5 200
6		17	28.7	2 850	6 200	31.8	3 200	7 000	34.6	3 450	7 600
	¼	19	32.2	3 260	7 100	35.6	3 620	7 900	38.8	3 940	8 600
6.5		20	33.7	3 400	7 400	37.3	3 750	8 200	40.6	4 100	9 000
7		23	39.1	3 950	8 700	43.3	4 350	9 500	47.1	4 750	10400
7.5		27	44.9	4 500	9 900	49.7	5 050	11100	54.1	5 500	12100
	5/16	30	50.3	5 100	11200	55.6	5 670	12500	60.6	6 160	13500
8		30	51.0	5 150	11300	56.5	5 700	12500	61.6	6 250	13700
8.5		34	57.6	5 800	12700	63.8	6 500	14300	69.5	7 050	15500
9		38	64.6	6 500	14300	71.5	7 250	15900	77.9	7 850	17300
9.5		43	72.0	7 300	16000	79.7	8 100	17800	86.5	8 800	19400
	⅜	43	72.4	7 350	16200	80.1	8 160	17900	87.3	8 880	19500
10		47	79.8	8 050	17700	88.4	9 000	19800	96.6	9 750	21400
11		57	96.9	9 750	21400	107	10850	23900	117	11800	26000
	7/16	58	98.5	10010	22000	109	11120	24500	119	12090	26600
12		68	115	11600	25500	128	12950	28500	139	14050	30900

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

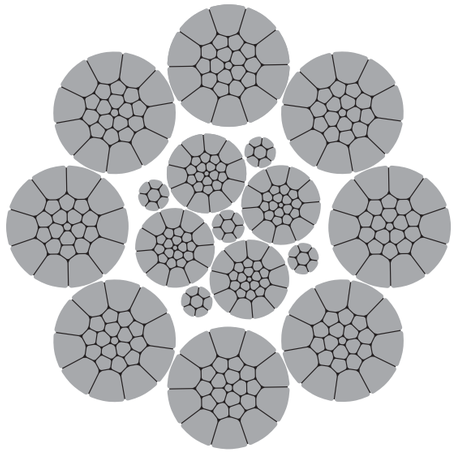
Diameter		Weight	Min. breaking force **1770 N/mm²**			Min. breaking force **1960 N/mm²**			Min. breaking force **2160 N/mm²**		
mm	inch	kg/100m	kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
	½	76	129	13080	28800	142	14530	32000	155	15800	34800
13		80	135	13650	30000	150	15200	33500	163	16500	36300
14		92	156	15850	34900	173	17600	38800	188	19150	42200
	9/16	96	163	16540	36400	180	18390	40500	196	19990	44000
15		106	179	18200	40100	199	20250	44600	217	22000	48500
	⅝	119	201	20430	45000	223	22710	50000	242	24680	54400
16		121	204	20700	45600	226	23000	50700	246	25050	55200
17		136	230	23400	51500	255	26000	57300	278	28300	62300
18		153	258	26250	57800	286	29150	64200	312	31700	69800
19		170	288	29200	64300	319	32500	71600	347	35350	77900
	¾	171	289	29430	64800	321	32690	72000	349	35540	78300
20		189	319	32400	71400	354	36000	79300	385	39150	86300
21		208	352	35700	78700	389	39700	87500	424	43150	95100
22		228	386	39200	86400	428	43600	96100	465	47350	104300
	⅞	233	394	40060	88300	436	44510	98100	475	48390	106600
23		250	422	42850	94400	468	47600	104900	509	51750	114000
24		272	459	46700	102900	509	51850	114300	554	56400	124300
25		295	498	50650	111600	552	56300	124100	601	61150	134800
	1	304	515	52320	115300	570	58140	128100	621	63200	139300
26		319	539	54800	120800	597	60900	134200	650	66150	145800
27		344	581	59100	130200	643	65650	144700	701	71400	157400
28		370	626	63550	140100	693	70600	155600	754	76750	169200
	1⅛	385	651	66220	145900	721	73580	162200	785	79990	176300
29		397	671	68200	150300	743	75750	166900	809	82350	181500
30		425	718	72950	160800	795	81050	178600	866	88150	194300
31		457	772	78450	172900	855	87200	192200	932	94800	208900
	1¼	476	804	81760	180200	890	90840	200200	970	98750	217700
32		487	823	83600	184300	911	92900	204800	992	101050	222700
33		518	875	88950	196000	969	98850	217900	1 055	107450	236800
34		549	929	94450	208200	1 030	104950	231300	1 121	114100	251500
	1⅜	576	973	98930	218100	1 077	109920	242300	1 173	119490	263400
35		582	984	100050	220500	1 090	111150	245000	1 187	120850	266400
36		616	1 041	105850	233300	1 153	117600	259200	1 256	127850	281800
37		651	1 100	111950	246800	1 221	124400	274200	1 328	135250	298100
38		686	1 168	119050	262400	1 298	132300	291600	1 413	143850	317100
	1½	688	1 173	119560	263500	1 303	132860	292900	1 417	144460	318400
39		723	1 222	124250	273900	1 353	138050	304300	1 474	150100	330900
40		761	1 285	130700	288100	1 424	145250	320200	1 551	157850	347900
41		799	1 351	137300	302600	1 496	152600	336400	1 629	165900	365700
	1⅝	804	1 359	138180	304600	1 505	153530	338400	1 639	166890	367900
42		838	1 418	144350	318200	1 574	160400	353600	1 713	174350	384300
43		879	1 486	151000	332800	1 645	167800	369900	1 792	182400	402100
44		920	1 556	158150	348600	1 723	175700	387300	1 876	191050	421100
	1¾	932	1 576	160250	353200	1 745	178060	392500	1 901	193560	426700
45		955	1 615	164200	361900	1 788	182450	402200	1 948	198350	437200
46		1 006	1 700	172850	381000	1 883	192100	423500	2 050	208800	460300
47		1 042	1 762	179100	394800	1 951	199050	438800	2 125	216350	476900
	1⅞	1 070	1 809	183960	405500	2 003	204400	450600	2 182	222200	489800
48		1 095	1 851	188200	414900	2 050	209150	461000	2 233	227350	501200
49		1 133	1 915	194700	429200	2 121	216350	476900	2 309	235200	518500
50		1 188	2 009	204250	450200	2 224	226950	500300	2 423	246700	543800
	2	1 218	2 058	209320	461400	2 279	232570	512700	2 482	252820	557300
51		1 227	2 075	210950	465000	2 298	234350	516600	2 502	254800	561700
52		1 285	2 173	220900	486900	2 406	245450	541100	2 620	266850	588200
53		1 325	2 241	227800	502200	2 481	253100	557900	2 702	275150	606500
	2⅛	1 375	2 324	236300	520900	2 573	262550	578800	2 802	285410	629200
54		1 386	2 343	238250	525200	2 594	264700	583500	2 826	287750	634300
55		1 427	2 413	245350	540800	2 672	272550	600800	2 910	296350	653300
56		1 491	2 519	256200	564800	2 791	284700	627600	3 039	309450	682200
57		1 533	2 592	263500	580900	2 870	292750	645300	3 125	318250	701600

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

DIEPA **X 50** (Z 371)
DIEPA **X 53** (PZ 371)
DIEPA **X 55**
DIEPA **X 58** (PZ 371 C)

Diameter		Weight	Min. breaking force **1770 N/mm²**			Min. breaking force **1960 N/mm²**			Min. breaking force **2160 N/mm²**		
mm	inch	kg/100m	kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
	2¼	1 541	2 605	264910	584000	2 885	294350	648900	3 142	319980	705400
58		1 599	2 703	274800	605800	2 993	305400	673200	3 260	332000	731900
59		1 642	2 776	282300	622300	3 074	313650	691400	3 348	340950	751600
60		1 711	2 893	294100	648300	3 203	326800	720400	3 489	355250	783100
	2⅜	1 717	2 903	295170	650700	3 214	327970	723000	3 500	356520	785900
61		1 756	2 968	301750	665200	3 286	335300	739200	3 579	364500	803500
62		1 827	3 089	314050	692300	3 420	348950	769200	3 725	379350	836300
63		1 873	3 165	321850	709500	3 505	357650	788400	3 818	388800	857100
	2½	1 903	3 216	327060	721000	3 561	363400	801100	3 879	395030	870800
64		1 947	3 291	334650	737700	3 645	371850	819700	3 969	404250	891200
65		1 993	3 370	342650	755400	3 732	380750	839400	4 064	413900	912400
66		2 071	3 500	355900	784600	3 876	395450	871800	4 221	429900	947700
	2⅝	2 098	3 546	360580	794900	3 926	400640	883200	4 276	435530	960100
67		2 118	3 580	364050	802500	3 964	404550	891800	4 318	439750	969400
68		2 198	3 715	377800	832800	4 114	419800	925400	4 481	456350	1 006000
69		2 246	3 798	386150	851300	4 205	429050	945800	4 580	466400	1 028200
	2¾	2 302	3 892	395740	872400	4 309	439710	969300	4 693	477990	1 053700
70		2 329	3 937	400350	882600	4 360	444800	980600	4 749	483550	1 066000
71		2 378	4 021	408850	901300	4 452	454250	1 001400	4 849	493800	1 088600
72		2 446	4 134	420450	926900	4 579	467200	1 029900	4 986	507850	1 119600
73		2 514	4 251	432200	952800	4 706	480250	1 058700	5 126	522050	1 150900
	2⅞	2 516	4 253	432530	953500	4 710	480590	1 059500	5 129	522430	1 151700
74		2 584	4 367	444150	979100	4 837	493500	1 087900	5 268	536450	1 182600
75		2 654	4 486	456200	1 005700	4 968	506900	1 117500	5 410	551050	1 214800
76		2 725	4 607	468450	1 032700	5 102	520500	1 147400	On request		
	3	2 740	4 631	470960	1 038200	5 128	523300	1 153600			
77		2 797	4 729	480850	1 060000	5 237	534300	1 177900			
78		2 871	4 853	493450	1 087800	5 374	548250	1 208600			
79		2 945	4 978	506200	1 115900	5 512	562400	1 239800			
	3⅛	2 973	5 025	511030	1 126600	5 565	567810	1 251700			
80		3 020	5 104	519050	1 144200	5 653	576750	1 271500			
81		3 096	5 233	532100	1 173000	5 794	591300	1 303500			
82		3 173	5 364	545350	1 202200	5 939	605950	1 335800			
	3¼	3 215	5 435	552730	1 218500	6 019	614150	1 353900			
83		3 250	5 494	558700	1 231700	6 084	620800	1 368600			
84		3 329	5 628	572300	1 261600	6 232	635850	1 401700			
85		3 409	5 763	586000	1 291800	6 381	651100	1 435400			
	3⅜	3 467	5 861	596070	1 314000	6 491	662300	1 460100			
86		3 490	5 899	599850	1 322400	6 532	666500	1 469300			
87		3 571	6 037	613900	1 353400	6 685	682100	1 503700			
88		3 654	6 177	628100	1 384700	6 840	697850	1 538400			
	3½	3 729	6 304	641040	1 413200	6 980	712260	1 570200			
89		3 737	6 318	642450	1 416300	6 996	713850	1 573700			
90		3 822	6 461	657000	1 448400	7 154	729950	1 609200			
91		3 907	6 605	671650	1 480700	7 314	746300	1 645200			
92		3 994	6 751	686500	1 513400	7 476	762750	1 681500			
	3⅝	4 000	6 762	687650	1 515900	7 488	764050	1 684400			
93		4 081	6 899	701500	1 546500	7 639	779450	1 718300			
94		4 169	7 047	716650	1 579900	7 804	796300	1 755500			
95		4 258	7 199	732000	1 613700	7 971	813350	1 793100			
	3¾	4 281	7 236	735880	1 622300	8 013	817650	1 802500			
96		4 348	7 351	747450	1 647800	8 140	830550	1 831000			
97		4 439	7 505	763150	1 682400	8 310	847950	1 869300			
98		4 531	7 660	778950	1 717200	8 482	865550	1 908100			
	3⅞	4 571	7 727	785760	1 732200	8 556	873070	1 924700			
99		4 624	7 817	794950	1 752500	8 656	883250	1 947200			
100		4 718	7 976	811100	1 788100	8 832	901200	1 986700			

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**



PRODUCT

▶ DIEPA **H 40**	Ordinary lay
DIEPA **H 43**	Ordinary lay with internal plastic component

PROPERTIES

- Non-rotation resistant
- Compacted outer strands
- Very high breaking force
- Use without rope swivel

TECHNICAL DATA

Load-bearing wires in outer strands/ RCN acc. to ISO 4309	56	Ø 4 – 6 mm	RCN.02
	152	Ø 7 – 15 mm	RCN.04
	208	Ø 16 – 44 mm	RCN.09
	288	Ø 45 – 64 mm	RCN.13
	328	Ø 65 – 76 mm	RCN.13
Total number of wires	95	Ø 4 – 6 mm	
	263	Ø 7 – 15 mm	
	319	Ø 16 – 24 mm	
	347	Ø 25 – 44 mm	
	427	Ø 45 – 64 mm	
	487	Ø 65 – 76 mm	
Fill factor	0.7403		
Spinning loss factor	0.8400		

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
4		8	13.8	1 350	2 900	15.3	1 550	3 400	16.9	1 650	3 600
	3/16	11	19.0	1 940	4 200	21.3	2 170	4 700	23.1	2 350	5 100
5		13	21.6	2 150	4 700	23.9	2 400	5 200	26.4	2 600	5 700
6		18	31.1	3 150	6 900	34.5	3 450	7 600	38.0	3 850	8 400
	1/4	20	34.2	3 490	7 600	38.2	3 890	8 500	42.1	4 290	9 400
6.5		21	36.5	3 650	8 000	40.4	4 100	9 000	44.6	4 500	9 900
7		25	42.4	4 250	9 300	46.9	4 700	10300	51.7	5 250	11500
7.5		28	48.6	4 900	10800	53.8	5 450	12000	59.3	6 000	13200
	5/16	32	53.6	5 460	12000	59.8	6 100	13400	65.7	6 700	14700
8		32	55.3	5 550	12200	61.3	6 200	13600	67.5	6 800	14900
8.5		36	62.5	6 300	13800	69.2	7 050	15500	76.2	7 700	16900
9		40	70.0	7 050	15500	77.5	7 850	17300	85.7	8 650	19000
9.5		45	78.0	7 850	17300	86.5	8 750	19200	94.9	9 650	21200
	3/8	45	78.0	7 900	17400	86.5	8 800	19400	95.3	9 710	21400
10		49	86.5	8 750	19200	95.8	9 700	21300	106	10700	23500
11		60	105	10600	23300	116	11800	26000	128	12950	28500
	7/16	62	106	10790	23700	118	12010	26400	129	13180	29000
12		71	123	12450	27400	136	13850	30500	150	15200	33500

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

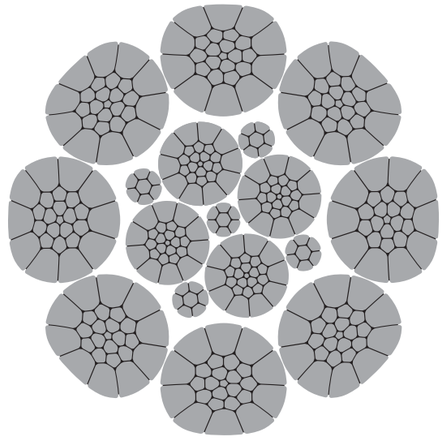
DIEPA **H 40** (SKZ 8)
DIEPA **H 43** (SKZ 8 P)

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
	1/2	81	136	13900	30600	152	15470	34100	167	16990	37400
13		83	143	14550	32000	159	16200	35700	175	17800	39200
14		98	168	17100	37600	187	19050	41900	206	20950	46100
	9/16	102	174	17750	39100	194	19750	43500	213	21720	47800
15		111	191	19400	42700	212	21550	47500	233	23700	52200
	5/8	126	217	22110	48700	241	24530	54000	265	27030	59500
16		128	221	22500	49600	245	24950	55000	270	27500	60600
17		144	248	25200	55500	275	28000	61700	302	30800	67900
18		163	281	28550	62900	311	31700	69800	343	34900	76900
19		179	308	31400	69200	343	34900	76900	377	38400	84600
	3/4	181	310	31580	69600	344	35100	77300	379	38610	85100
20		200	344	35100	77300	383	39000	85900	421	42850	94400
21		225	387	39450	86900	430	43800	96500	474	48250	106300
22		245	422	43000	94700	469	47750	105200	516	52500	115700
	7/8	247	430	43790	96500	477	48640	107200	525	53490	117900
23		265	456	46500	102500	507	51700	113900	559	56900	125400
24		287	496	50500	111300	550	56100	123600	606	61700	136000
25		310	534	54450	120000	593	60450	133200	653	66550	146700
	1	323	550	56050	123500	611	62240	137200	672	68500	151000
26		333	574	58500	128900	638	65000	143200	701	71500	157600
27		362	624	63600	140200	694	70650	155700	763	77750	171400
28		390	672	68500	151000	747	76100	167700	822	83700	184500
	1 1/8	408	708	72150	159000	787	80180	176700	865	88210	194400
29		426	735	74850	165000	816	83200	183400	898	91550	201800
30		449	774	78900	173900	860	87650	193200	946	96400	212500
31		482	832	84750	186800	925	94200	207600	1 017	103650	228500
	1 1/4	504	868	88520	195100	965	98380	216800	1 062	108240	238600
32		511	881	89800	197900	979	99800	220000	1 078	109800	242000
33		545	940	95800	211200	1 045	106500	234700	1 149	117100	258100
34		582	1 004	102350	225600	1 116	113700	250600	1 227	125050	275600
	1 3/8	610	1 047	106710	235200	1 163	118530	261300	1 280	130430	287500
35		609	1 050	107050	236000	1 167	118900	262100	1 284	130850	288400
36		650	1 121	114300	251900	1 246	127000	279900	1 371	139700	307900
37		693	1 194	121750	268400	1 327	135250	298100	1 460	148800	328000
38		738	1 273	129750	286000	1 415	144150	317700	1 556	158550	349500
	1 1/2	726	1 278	130240	287100	1 420	144700	319000	1 561	159150	350800
39		767	1 322	134750	297000	1 469	149750	330100	1 616	164700	363000
40		797	1 374	140100	308800	1 527	155650	343100	1 680	171200	377400
41		841	1 453	147750	325700	1 609	164150	361800	1 773	180600	398100
	1 5/8	852	1 474	150280	331300	1 638	166980	368100	1 802	183700	404900
42		893	1 540	156900	345900	1 711	174350	384300	1 882	191800	422800
43		925	1 599	162500	358200	1 770	180600	398100	1 950	198650	437900
44		974	1 680	171200	377400	1 866	190250	419400	2 053	209250	461300
	1 3/4	988	1 709	174210	384000	1 899	193600	426800	2 089	212960	469400
45		1 013	1 751	177950	392300	1 939	197750	435900	2 136	217550	479600
46		1 063	1 832	186750	411700	2 036	207500	457400	2 239	228300	503300
47		1 105	1 909	194150	428000	2 114	215750	475600	2 330	237300	523100
	1 7/8	1 134	1 956	199350	439400	2 173	221520	488300	2 390	243660	537100
48		1 152	1 987	202450	446300	2 207	224950	495900	2 428	247450	545500
49		1 201	2 076	211050	465200	2 298	234500	516900	2 533	257950	568600
50		1 246	2 150	219100	483000	2 388	243450	536700	2 628	267800	590300
	2	1 290	2 224	226680	499700	2 471	251910	555300	2 718	277100	610800
51		1 301	2 249	228600	503900	2 490	254050	560000	2 744	279450	616000
52		1 340	2 312	235600	519400	2 568	261750	577000	2 825	287950	634800
53		1 405	2 428	246900	544300	2 689	274300	604700	2 964	301800	665300
	2 1/8	1 457	2 489	253700	559300	2 766	281940	621500	3 042	310120	683600
54		1 444	2 491	253850	559600	2 768	282100	621900	3 044	310300	684000
55		1 513	2 615	265900	586200	2 895	295450	651300	3 191	324950	716300
56		1 581	2 727	277950	612700	3 030	308800	680700	3 333	339700	748900
57		1 625	2 809	285600	629600	3 111	317350	699600	3 427	349050	769500

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
	2¼	1 633	2 816	287050	632800	3 129	318970	703200	3 442	350830	773400
58		1 681	2 898	295400	651200	3 221	328250	723600	3 542	361050	795900
59		1 741	3 009	306000	674600	3 332	339950	749400	3 672	374000	824500
60		1 770	3 053	311100	685800	3 391	345700	762100	3 730	380250	838200
	2⅜	1 820	3 146	319920	705200	3 484	355460	783600	3 839	391010	862000
61		1 861	3 216	327050	721000	3 562	363450	801200	3 925	399750	881200
62		1 922	3 323	337900	744900	3 680	375450	827700	4 056	413000	910400
63		1 985	3 431	348850	769000	3 799	387650	854600	4 187	426400	940000
	2½	2 016	3 486	354480	781400	3 860	393860	868300	4 254	433250	955100
64		2 048	3 541	360050	793700	3 921	400050	881900	4 321	440050	970100
65		2 113	3 652	371400	818700	4 045	412650	909700	4 457	453900	1 000600
66		2 178	3 766	382900	844100	4 170	425450	937900	4 596	468000	1 031700
	2⅝	2 223	3 843	390810	861500	4 256	434230	957300	4 690	477660	1 053000
67		2 245	3 881	394600	869900	4 297	438450	966600	4 736	482300	1 063200
68		2 312	3 998	406450	896000	4 427	451650	995700	4 878	496800	1 095200
69		2 381	4 116	418500	922600	4 558	465000	1 025100	5 022	511550	1 127700
	2¾	2 440	4 218	428920	945500	4 671	476580	1 050600	5 147	524230	1 155700
70		2 450	4 236	430750	949600	4 691	478600	1 055100	5 169	526450	1 160600
71		2 521	4 358	443100	976800	4 826	492350	1 085400	5 318	541600	1 194000
72		2 592	4 481	455700	1 004600	4 963	506350	1 116200	5 469	557000	1 227900
73		2 665	4 607	468450	1 032700	5 101	520500	1 147400	5 622	572550	1 262200
	2⅞	2 666	4 610	468800	1 033500	5 105	520890	1 148300	5 626	572980	1 263100
74		2 738	4 734	481400	1 061200	5 242	534850	1 179100	5 777	588350	1 297000
75		2 813	4 863	494450	1 090000	5 384	549400	1 211200	5 934	604350	1 332300
76		2 888	4 993	507750	1 119300	5 529	564150	1 243700	6 093	620550	1 368000
	3	2 903	5 020	510450	112530	5 558	567160	1 250300	6 126	623890	1 375400

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.



PRODUCT

- DIEPA **H 50** Ordinary lay
- DIEPA **H 53** Ordinary lay with internal plastic component

PROPERTIES

- Non-rotation resistant
- Compacted outer strands
- Compacted rope
- Extremley high breaking force
- Use without rope swivel

TECHNICAL DATA

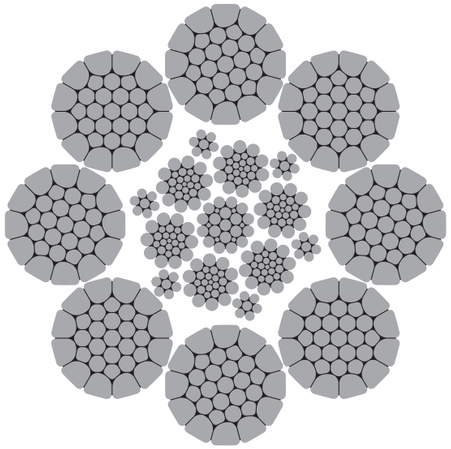
Load-bearing wires in outer strands/ RCN acc. to ISO 4309	208	Ø 12 – 44 mm	RCN.09
	288	Ø 45 – 52 mm	RCN.13
Total number of wires	347	Ø 12 – 44 mm	
	427	Ø 45 – 52 mm	
Fill factor	0.7660		
Spinning loss factor	0.8550	at 1770 N/mm²	
	0.8550	at 1960 N/mm²	
	0.8400	at 2160 N/mm²	

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
12		78	131	13250	29200	145	14750	32500	157	16000	35200
	½	87	147	14920	32800	163	16580	36500	176	17920	39500
13		92	154	15600	34300	170	17350	38200	185	18750	41300
14		106	179	18100	39900	198	20100	44300	214	21750	47900
	9/16	111	186	18890	41600	206	20990	46200	223	22680	50000
15		122	205	20800	45800	227	23100	50900	245	24950	55000
	⅝	136	229	23330	51400	254	25920	57100	275	28010	61700
16		139	233	23650	52100	258	26300	57900	280	28400	62600
17		156	263	26700	58800	292	29700	65400	316	32100	70700
18		175	295	29950	66000	327	33300	73400	354	35950	79200
19		195	328	33350	73500	364	37100	81700	394	40100	88400
	¾	196	330	33590	74000	366	37320	82200	396	40340	88900
20		217	364	37000	81500	404	41100	90600	437	44400	97800
21		239	402	40800	89900	445	45350	99900	481	49000	108000
22		262	440	44800	98700	488	49750	109600	528	53800	118600
	⅞	267	450	45730	100800	498	50810	112000	539	54910	121000
23		286	481	48900	107800	534	54400	119900	577	58800	129600
24		312	524	53300	117500	581	59250	130600	629	64000	141000

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
25		338	569	57800	127400	630	64250	141600	682	69450	153100
	1	349	587	59730	131600	650	66360	146200	704	71720	158100
26		366	616	62550	137800	681	69500	153200	738	75100	165500
27		395	663	67450	148700	735	74950	165200	795	81000	178500
28		425	714	72550	159900	790	80600	177600	856	87150	192100
	1⅛	442	743	75590	166600	823	83990	185100	891	90770	200100
29		455	766	77800	171500	848	86450	190500	918	93450	206000
30		487	819	83300	183600	907	92550	204000	983	100000	220400
31		520	875	88950	196000	969	98800	217800	1 049	106800	235400
	1¼	546	918	93330	205700	1 016	103700	228600	1 100	112070	247000
32		554	932	94750	208800	1 032	105300	232100	1 118	113800	250800
33		590	992	100800	222200	1 098	112000	246900	1 189	121000	266700
34		626	1 053	107000	235800	1 165	118850	262000	1 262	128500	283200
	1⅜	660	1 111	112920	248900	1 230	125470	276600	1 331	135600	298900
35		663	1 115	113400	250000	1 235	125950	277600	1 337	136150	300100
36		702	1 180	119950	264400	1 306	133250	293700	1 415	144050	317500
37		741	1 247	126750	279400	1 380	140800	310400	1 494	152150	335400
38		782	1 315	133650	294600	1 456	148500	327300	1 576	160500	353800
	1½	786	1 322	134390	296200	1 463	149330	329200	1 585	161380	355700
39		824	1 385	140800	310400	1 534	156450	344900	1 661	169050	372600
40		866	1 457	148100	326500	1 613	164550	362700	1 746	177850	392000
41		910	1 530	155600	343000	1 695	172900	381100	1 835	186850	411900
	1⅝	922	1 551	157730	347700	1 718	175250	386300	1 860	189400	417500
42		955	1 606	163300	360000	1 778	181450	400000	1 925	196050	432200
43		1 001	1 683	171150	377300	1 864	190150	419200	2 019	205500	453000
44		1 048	1 763	179250	395100	1 952	199100	438900	2 113	215200	474400
	1¾	1 070	1 799	182930	403200	1 992	203250	448000	2 157	219660	484200
45		1 096	1 843	187450	413200	2 042	208300	459200	2 210	225100	496200
46		1 146	1 926	195850	431700	2 133	217650	479800	2 310	235200	518500
47		1 196	2 011	204500	450800	2 227	227200	500800	On request		
	1⅞	1 228	2 065	209990	462900	2 287	233330	514300			
48		1 248	2 097	213300	470200	2 323	237000	522400			
49		1 300	2 186	222300	490000	2 421	246950	544400			
50		1 354	2 276	231400	510100	2 521	257150	566900			
	2	1 397	2 350	238920	526700	2 602	265480	585200			
51		1 408	2 368	240800	530800	2 622	267550	589800			
52		1 464	2 462	250300	551800	2 726	278150	613200			

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.



PRODUCT

- DIEPA **W 40** Ordinary lay
- DIEPA **W 43** Ordinary lay with internal plastic component

PROPERTIES

- Non-rotation resistant
- Compacted outer strands
- High breaking force
- Use without rope swivel

TECHNICAL DATA

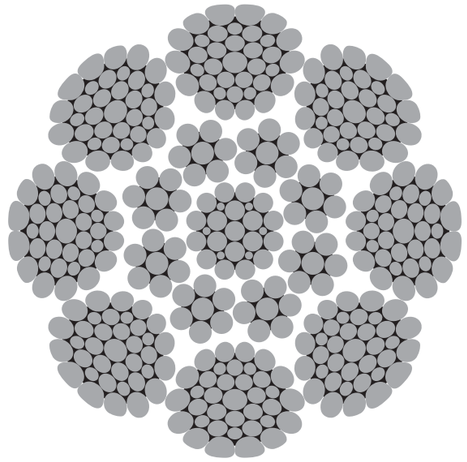
Load-bearing wires in outer strands/ RCN acc. to ISO 4309	248	Ø 16 – 49 mm	RCN.11
	288	Ø 50 – 75 mm	RCN.13
Total number of wires	471	Ø 16 – 49 mm	
	511	Ø 50 – 75 mm	
Fill factor	0.7303		
Spinning loss factor	0.8400		

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
16		127	218	22150	48800	242	24650	54300	266	27100	59700
17		143	246	25000	55100	273	27800	61200	301	30600	67400
18		161	276	28050	61800	306	31200	68700	337	34300	75600
19		179	307	31250	68800	341	34750	76600	375	38250	84300
	¾	180	309	31460	69300	343	34960	77000	378	38460	84700
20		198	341	34650	76300	378	38500	84800	417	42350	93300
21		219	376	38200	84200	417	42450	93500	459	46700	102900
22		240	412	41950	92400	457	46600	102700	504	51250	112900
	⅞	245	421	42830	94400	466	47590	104900	514	52350	115400
23		262	451	45850	101000	500	50900	112200	550	56050	123500
24		286	491	49900	110000	544	55450	122200	600	61000	134400
25		310	533	54150	119300	591	60150	132600	650	66200	145900
	1	320	550	55940	123300	609	62160	137000	671	68380	150700
26		335	576	58550	129000	638	65100	143500	704	71650	157900
27		362	622	63200	139300	689	70200	154700	759	77200	170100
28		389	669	67950	149800	740	75500	166400	816	83050	183000
	1⅛	405	696	70810	156100	771	78670	173400	850	86540	190700
29		417	717	72900	160700	794	81000	178500	875	89100	196400

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
30		447	768	78000	171900	850	86650	191000	937	95350	210200
31		477	820	83300	183600	907	92550	204000	1 000	101850	224500
	1¼	500	860	87410	192700	952	97130	214100	1 049	106840	235500
32		508	874	88750	195600	967	98650	217400	1 066	108500	239100
33		540	929	94400	208100	1 028	104900	231200	1 133	115400	254400
34		574	986	100250	221000	1 092	111350	245400	1 203	122500	270000
	1⅜	605	1 040	105780	233200	1 152	117530	259100	1 269	129280	285000
35		608	1 045	106200	234100	1 157	118000	260100	1 275	129800	286100
36		643	1 105	112350	247600	1 224	124850	275200	1 349	137300	302600
37		679	1 168	118650	261500	1 293	131850	290600	1 425	145100	319800
38		716	1 231	125200	276000	1 363	139100	306600	1 503	153000	337300
	1½	720	1 238	125880	277500	1 371	139870	308300	1 511	153860	339100
39		755	1 297	131850	290600	1 436	146500	322900	1 583	161150	355200
40		794	1 364	138700	305700	1 511	154100	339700	1 665	169550	373700
41		834	1 434	145750	321300	1 588	161950	357000	1 750	178150	392700
	1⅝	845	1 453	147730	325600	1 609	164160	361900	1 773	180570	398000
42		875	1 504	152950	337100	1 666	169950	374600	1 835	186900	412000
43		917	1 577	160300	353300	1 746	178150	392700	1 924	195950	431900
44		961	1 651	167850	370000	1 828	186500	411100	2 015	205150	452200
	1¾	980	1 685	171340	377700	1 866	190380	419700	2 056	209420	461600
45		1 005	1 727	175600	387100	1 913	195050	430000	2 108	214600	473100
46		1 050	1 804	183450	404400	1 998	203850	449400	2 202	224250	494300
47		1 096	1 884	191550	422200	2 086	212850	469200	2 299	234100	516000
	1⅞	1 125	1 934	196700	433600	2 142	218550	481800	2 360	240410	530000
48		1 143	1 965	199750	440300	2 176	222000	489400	2 397	244150	538200
49		1 191	2 048	208150	458800	2 267	231300	509900	2 499	254450	560900
50		1 240	2 132	216800	477900	2 361	240850	530900	2 601	264950	584100
	2	1 280	2 201	223800	493300	2 437	248660	548100	2 686	273530	603000
51		1 290	2 218	225500	497100	2 456	250600	552400	2 706	275650	607600
52		1 342	2 306	234450	516800	2 554	260500	574200	2 814	286600	631800
53		1 394	2 396	243600	537000	2 653	270600	596500	2 923	297700	656300
	2⅛	1 445	2 484	252650	556900	2 751	280720	618800	3 032	308800	680700
54		1 447	2 486	252850	557400	2 754	280950	619300	3 035	309050	681300
55		1 501	2 580	262300	578200	2 857	291450	642500	3 148	320600	706700
56		1 556	2 675	271950	599500	2 962	302100	666000	3 263	332350	732600
57		1 612	2 770	281700	621000	3 069	313050	690100	3 381	344350	759100
	2¼	1 620	2 785	283240	624400	3 084	314720	693800	3 399	346190	763200
58		1 669	2 869	291700	643000	3 177	324150	714600	3 501	356500	785900
59		1 727	2 969	301850	665400	3 287	335400	739400	3 623	368950	813300
60		1 786	3 070	312150	688100	3 399	346850	764600	3 746	381550	841100
	2⅜	1 806	3 103	315590	695700	3 437	350660	773000	3 787	385720	850300
61		1 846	3 174	322650	711300	3 514	358550	790400	3 872	394350	869300
62		1 907	3 279	333350	734900	3 630	370350	816400	4 000	407400	898100
63		1 969	3 384	344150	758700	3 748	382450	843100	4 130	420650	927300
	2½	2 001	3 439	349690	770900	3 808	388550	856500	4 196	427400	942200
64		2 032	3 493	355150	782900	3 868	394650	870000	4 263	434150	957100
65		2 096	3 603	366400	807700	3 990	407100	897400	4 397	447800	987200
66		2 161	3 714	377700	832600	4 113	419700	925200	4 533	461700	1 017800
	2⅝	2 206	3 791	385530	849900	4 198	428370	944300	4 626	471210	1 038800
67		2 227	3 828	389250	858100	4 239	432550	953500	4 672	475800	1 048900
68		2 294	3 943	401000	884000	4 366	445500	982100	4 812	490050	1 080300
69		2 362	4 061	412850	910100	4 496	458750	1 011300	4 955	504600	1 112400
	2¾	2 421	4 161	423120	932800	4 607	470130	1 036400	5 078	517150	1 140100
70		2 431	4 179	424900	936700	4 628	472150	1 040900	5 100	519350	1 144900
71		2 501	4 299	437150	963700	4 760	485700	1 070700	5 246	534300	1 177900
72		2 572	4 421	449550	991000	4 896	499500	1 101100	5 395	549450	1 211300
73		2 644	4 544	462100	1 018700	5 032	513450	1 131900	5 546	564850	1 245200
	2⅞	2 646	4 548	462470	1 019500	5 036	513850	1 132800	5 550	565240	1 246100
74		2 717	4 670	474850	1 046800	5 171	527600	1 163100	5 699	580400	1 279500
75		2 791	4 797	487750	1 075200	5 312	542000	1 194800	5 854	596200	1 314300

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.



PRODUCT

- DIEPA **F 41** Ordinary lay
- DIEPA **F 46** Lang lay

internal plastic component available on request

PROPERTIES

- Non-rotation resistant
- Compacted rope
- Use without rope swivel

TECHNICAL DATA

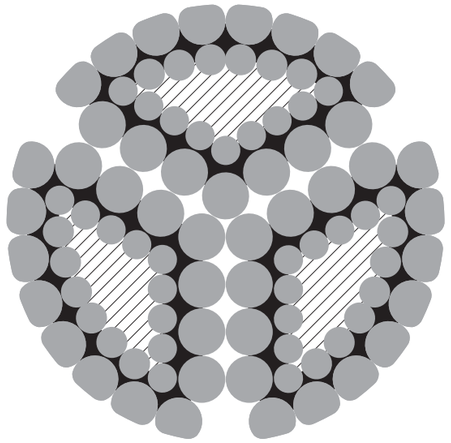
Load-bearing wires in outer strands/ RCN acc. to ISO 4309	208	Ø 10 – 33 mm	RCN.09
	288	Ø 34 – 46 mm	RCN.13
Total number of wires	289	Ø 10 – 33 mm	
	369	Ø 34 – 46 mm	
Fill factor	0.6750		
Spinning loss factor	0.8670	at 1770 N/mm²	
	0.8670	at 1960 N/mm²	
	0.8570	at 2160 N/mm²	

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
10		48	81.4	8 200	18000	90.2	9 150	20100	98.6	9 950	21900
11		58	98.8	9 950	21900	109	11050	24300	119	12050	26500
	7/16	59	100	10210	22500	111	11340	25000	121	12340	27200
12		69	117	11850	26100	130	13200	29100	141	14350	31600
	½	77	131	13340	29400	145	14820	32600	158	16120	35500
13		81	138	13950	30700	153	15500	34100	166	16850	37100
14		94	160	16200	35700	177	17950	39500	192	19550	43000
	9/16	97	166	16880	37200	184	18760	41300	200	20390	44900
15		107	183	18550	40800	203	20650	45500	221	22450	49400
	⅝	120	205	20840	45900	227	23160	51000	247	25180	55500
16		122	208	21150	46600	231	23450	51600	251	25550	56300
17		138	235	23850	52500	260	26500	58400	284	28850	63600
18		155	264	26750	58900	292	29750	65500	318	32350	71300
19		172	294	29800	65600	325	33150	73000	354	36050	79400
	¾	173	295	30020	66100	327	33350	73500	356	36260	79900
20		191	325	33050	72800	361	36750	81000	393	39950	88000
21		210	359	36450	80300	397	40500	89200	433	44000	97000
22		231	394	40000	88100	436	44450	97900	475	48300	106400

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
	⅞	236	402	40860	90000	445	45400	100000	485	49370	108800
23		252	430	43700	96300	477	48550	107000	519	52800	116400
24		275	468	47600	104900	519	52900	116600	566	57500	126700
25		298	508	51650	113800	563	57400	126500	614	62400	137500
	1	308	525	53370	117600	581	59300	130700	633	64480	142100
26		323	550	55900	123200	609	62100	136900	663	67500	148800
27		348	593	60250	132800	656	66950	147500	716	72800	160400
28		374	638	64850	142900	707	72000	158700	770	78300	172600
	1⅛	390	664	67540	148800	736	75050	165400	801	81610	179900
29		401	684	69550	153300	758	77250	170300	825	84000	185100
30		429	733	74400	164000	811	82700	182300	884	89900	198100
31		459	782	79500	175200	866	88300	194600	943	96000	211600
	1¼	481	820	83390	183800	908	92660	204200	989	100750	222100
32		489	833	84700	186700	922	94100	207400	1 005	102300	225500
33		520	886	90050	198500	981	100050	220500	1 069	108800	239800
34		552	941	95600	210700	1 041	106250	234200	1 135	115500	254600
	1⅜	582	992	100910	222400	1 099	112120	247100	1 197	121910	268700
35		584	996	101300	223300	1 104	112550	248100	1 202	122400	269800
36		618	1 054	107200	236300	1 168	119100	262500	1 272	129500	285400
37		653	1 114	113200	249500	1 234	125800	277300	1 344	136800	301500
38		689	1 175	119400	263200	1 301	132700	292500	1 417	144300	318100
	1½	693	1 181	120090	264700	1 308	133430	294100	1 425	145090	319800
39		726	1 237	125800	277300	1 370	139800	308200	1 493	151950	334900
40		763	1 301	132300	291600	1 442	147000	324000	1 570	159900	352500
41		802	1 367	139050	306500	1 515	154450	340500	1 650	168000	370300
	1⅝	813	1 386	140940	310700	1 535	156600	345200	1 672	170270	375300
42		842	1 435	145900	321600	1 589	162100	357300	1 731	176250	388500
43		882	1 504	152900	337000	1 666	169900	374500	1 814	184800	407400
44		924	1 575	160100	352900	1 744	177950	392300	1 900	193450	426400
	1¾	943	1 607	163460	360300	1 780	181620	400300	1 939	197480	435300
45		966	1 647	167500	369200	1 824	186100	410200	1 987	202350	446100
46		1 010	1 722	175000	385800	1 907	194500	428700	2 077	211450	466100

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.



PRODUCT

▶ DIEPA **SUPER 3** Ordinary lay

PROPERTIES

- Slightly rotation resistant
- Compacted rope

TECHNICAL DATA

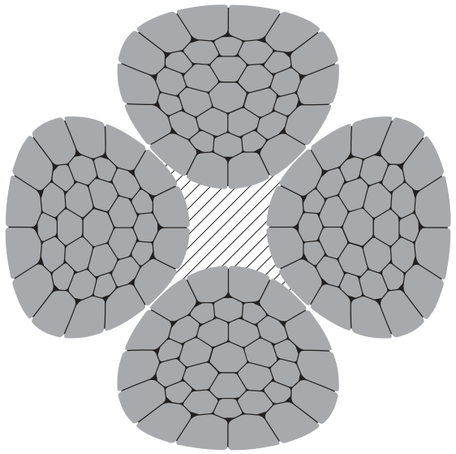
Load-bearing wires in outer strands/ RCN acc. to ISO 4309	90	Ø 4 – 34 mm	RCN.21
Total number of wires	90	Ø 4 – 34 mm	
Fill factor	0.4811		
Spinning loss factor	0.8500		

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
4		6	On request			10.1	1 000	2 200	On request		
	3/16	8				13.7	1 400	3 000			
5		9				15.7	1 550	3 400			
6		13				23.1	2 350	5 100			
	¼	14				25.0	2 550	5 600			
6.5		15				26.6	2 650	5 800			
7		18				31.4	3 200	7 000			
7.5		20				35.4	3 600	7 900			
	5/16	22				38.7	3 950	8 700			
8		22				39.2	4 000	8 800			
8.5		26				45.5	4 600	10100			
9		29				51.5	5 250	11500			
9.5		32				56.8	5 750	12600			
	⅜	32				56.8	5 790	12700			
10		36				63.8	6 500	14300			
11		42				75.0	7 650	16800			
	7/16	44				76.5	7 800	17100			
12		51				89.8	9 150	20100			

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
	½	57				100	10220	22500			
13		59		On request		105	10700	23500		On request	
14		71				127	12900	28400			
	9/16	73				131	13330	29300			
15		80				142	14450	31800			
	⅝	87				154	15670	34500			
16		88				155	15850	34900			
17		102				181	18500	40700			
18		116				206	20950	46100			
19		125				222	22650	49900			
	¾	129				224	22790	50200			
20		142				252	25650	56500			
21		157				278	28300	62300			
22		169				300	30600	67400			
	⅞	175				308	31350	69100			
23		188				333	33950	74800			
24		204				361	36800	81100			
25		222				394	40100	88400			
	1	229				408	41580	91600			
26		243				430	43850	96600			
27		259				459	46750	103000			
28		282				501	51050	112500			
	1⅛	290				517	52740	116200			
29		299				530	54000	119000			
30		320				567	57800	127400			
31		341				605	61700	136000			
	1¼	358				630	64230	141600			
32		360				639	65100	143500			
33		387				686	69900	154100			
34		409				725	73900	162900			
	1⅜	433				768	78310	172600			

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.



PRODUCT

▶ DIEPA **SUPER 4** Ordinary lay

PROPERTIES

- Slightly rotation resistant
- Compacted strands
- Compacted rope

TECHNICAL DATA

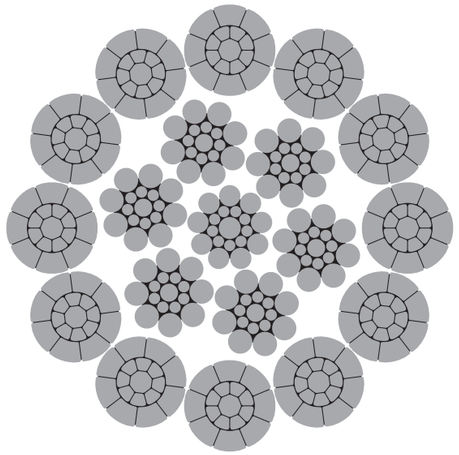
Load-bearing wires in outer strands/ RCN acc. to ISO 4309	76	Ø 4 – 5 mm	RCN.21
	144	Ø 6 – 34 mm	RCN.22
Total number of wires	76	Ø 4 – 5 mm	
	144	Ø 6 – 34 mm	
Fill factor	0.7208		
Spinning loss factor	0.8400	at 1770 N/mm²	
	0.8400	at 1960 N/mm²	
	0.8200	at 2160 N/mm²	

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
4		8	13.5	1 300	2 800	14.9	1 500	3 300	16.0	1 550	3 400
	3/16	11	19.1	1 940	4 200	21.1	2 150	4 700	22.7	2 310	5 000
5		12	21.0	2 100	4 600	23.3	2 350	5 100	25.1	2 500	5 500
6		17	28.9	2 950	6 500	32.4	3 300	7 200	34.8	3 550	7 800
	¼	20	33.9	3 440	7 500	37.6	3 830	8 400	40.4	4 110	9 000
6.5		21	35.6	3 600	7 900	39.4	3 950	8 700	42.4	4 300	9 400
7		24	40.7	4 150	9 100	45.1	4 600	10100	49.1	5 000	11000
7.5		27	47.3	4 750	10400	52.4	5 300	11600	56.4	5 700	12500
	5/16	31	53.0	5 390	11800	58.7	5 980	13100	63.2	6 420	14100
8		31	53.5	5 450	12000	58.9	6 000	13200	63.8	6 500	14300
8.5		35	60.8	6 150	13500	67.3	6 800	14900	72.4	7 300	16000
9		39	66.7	6 800	14900	74.6	7 600	16700	80.4	8 200	18000
9.5		44	76.0	7 650	16800	84.0	8 550	18800	90.2	9 150	20100
	⅜	44	76.4	7 760	17100	84.6	8 620	19000	91.0	9 250	20300
10		50	84.9	8 650	19000	94.7	9 650	21200	102	10350	22800
11		57	98.6	10050	22100	109	11150	24500	118	12000	26400
	7/16	60	104	10560	23200	115	11740	25800	124	12600	27700
12		69	119	12100	26600	132	13500	29700	142	14500	31900

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
	½	79	136	13800	30400	150	15330	33700	162	16460	36200
13		81	140	14250	31400	155	15850	34900	167	17050	37500
14		94	162	16550	36400	181	18400	40500	194	19800	43600
	9/16	99	172	17470	38500	190	19410	42700	205	20840	45900
15		109	188	19200	42300	209	21350	47000	225	22950	50500
	⅝	123	212	21570	47500	235	23960	52800	253	25730	56700
16		125	214	21850	48100	238	24300	53500	256	26100	57500
17		140	242	24650	54300	268	27350	60200	288	29350	64700
18		159	275	28000	61700	305	31100	68500	328	33400	73600
19		177	305	31100	68500	339	34550	76100	364	37100	81700
	¾	177	306	31240	68800	340	34700	76400	366	37260	82100
20		194	334	34000	74900	371	37800	83300	398	40550	89300
21		219	378	38550	84900	420	42800	94300	451	46000	101400
22		239	411	41900	92300	457	46550	102600	491	50000	110200
	⅞	240	416	42270	93100	460	46970	103500	495	50430	111100
23		258	444	45300	99800	494	50350	111000	530	54050	119100
24		281	484	49300	108600	538	54800	120800	577	58850	129700
25		303	522	53250	117300	581	59250	130600	624	63600	140200
	1	314	543	55220	121700	601	61350	135200	647	65880	145200
26		331	570	58150	128100	634	64600	142400	681	69400	152900
27		357	615	62700	138200	683	69600	153400	733	74750	164700
28		382	659	67200	148100	732	74650	164500	786	80150	176600
	1⅛	398	687	69880	154000	761	77650	171100	819	83380	183800
29		413	713	72650	160100	792	80700	177900	851	86700	191100
30		442	762	77700	171200	847	86350	190300	909	92700	204300
31		468	809	82200	181200	895	91350	201300	964	98100	216200
	1¼	491	848	86280	190200	940	95860	211300	1 011	102940	226900
32		498	859	87600	193100	955	97350	214600	1 026	104550	230400
33		530	916	93150	205300	1 015	103550	228200	1 092	111150	245000
34		565	973	99200	218600	1 082	110250	243000	1 162	118400	261000
	1⅜	594	1 027	104400	230100	1 137	116000	255700	1 223	124560	274600

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.



PRODUCT

- DIEPA **D 1200 Z** Ordinary lay

PROPERTIES

- Slightly rotation resistant
- Compacted outer strands
- Use without rope swivel

TECHNICAL DATA

Load-bearing wires in outer strands/ RCN acc. to ISO 4309	84	Ø 6 – 14 mm	RCN.23-1
	204	Ø 15 – 40 mm	RCN.25
Total number of wires	133	Ø 6 – 14 mm	
	325	Ø 15 – 40 mm	
Fill factor	0.6870		
Spinning loss factor	0.8000	at 1770 N/mm²	
	0.8000	at 1960 N/mm²	
	0.7800	at 2160 N/mm²	

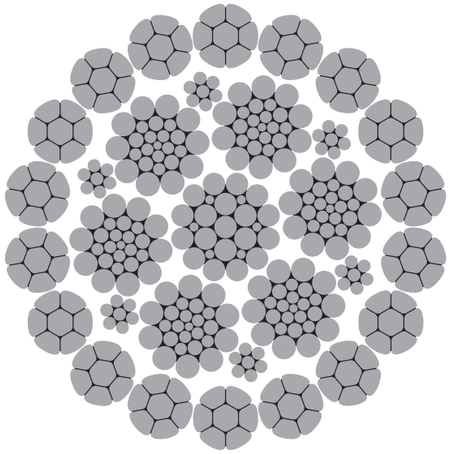
Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
6		17	27.5	2 750	6 000	30.4	3 050	6 700	32.7	3 300	7 200
	¼	19	30.8	3 120	6 800	34.1	3 480	7 600	36.7	3 720	8 200
6.5		20	32.3	3 250	7 100	35.7	3 600	7 900	38.4	3 900	8 500
7		23	37.4	3 800	8 300	41.4	4 200	9 200	44.5	4 500	9 900
7.5		27	43.0	4 350	9 500	47.6	4 800	10500	51.1	5 150	11300
	5/16	30	48.1	4 880	10700	53.3	5 430	11900	57.3	5 820	12800
8		30	48.9	4 950	10900	54.1	5 500	12100	58.1	5 850	12800
8.5		34	55.2	5 600	12300	61.1	6 200	13600	65.7	6 650	14600
9		38	61.9	6 250	13700	68.5	6 950	15300	73.6	7 450	16400
9.5		43	69.0	7 000	15400	76.4	7 750	17000	81.9	8 300	18200
	⅜	43	69.3	7 040	15500	76.8	7 830	17200	82.5	8 390	18400
10		47	76.4	7 750	17000	84.6	8 600	18900	90.9	9 200	20200
11		57	92.4	9 400	20700	102	10400	22900	110	11150	24500
	7/16	59	94.3	9 590	21100	104	10650	23400	112	11420	25100
12		68	110	11150	24500	122	12400	27300	131	13250	29200
	½	77	123	12520	27600	136	13920	30600	147	14920	32800
13		80	129	13100	28800	143	14550	32000	154	15600	34300
14		93	150	15200	33500	166	16900	37200	178	18100	39900

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
	9/16	97	156	15850	34900	173	17610	38800	186	18890	41600
15		107	172	17450	38400	190	19400	42700	205	20800	45800
	5/8	120	193	19570	43100	213	21750	47900	229	23320	51400
16		122	196	19850	43700	217	22050	48600	233	23650	52100
17		137	221	22400	49300	245	24900	54800	263	26750	58900
18		154	248	25150	55400	274	27950	61600	295	29950	66000
19		171	276	28000	61700	305	31150	68600	328	33400	73600
	3/4	172	277	28190	62100	307	31320	69000	330	33590	74000
20		190	306	31000	68300	338	34500	76000	364	37000	81500
21		209	337	34200	75300	373	38000	83700	401	40750	89800
22		230	370	37600	82800	410	41750	92000	440	44800	98700
	7/8	235	377	38370	84500	418	42640	94000	449	45730	100800
23		251	404	41050	90400	448	45600	100500	481	48900	107800
24		273	440	44700	98500	487	49700	109500	524	53300	117500
25		297	478	48550	107000	529	53900	118800	568	57800	127400
	1	306	493	50120	110400	546	55690	122700	586	59730	131600
26		321	517	52500	115700	572	58300	128500	615	62550	137800
27		346	557	56600	124700	617	62900	138600	663	67450	148700
28		372	599	60850	134100	663	67650	149100	713	72550	159900
	1 1/8	388	624	63440	139800	691	70480	155300	742	75590	166600
29		399	643	65300	143900	712	72600	160000	765	77800	171500
30		427	688	69900	154100	761	77650	171100	818	83300	183600
31		456	734	74600	164400	813	82950	182800	874	88950	196000
	1 1/4	479	770	78320	172600	853	87020	191800	916	93330	205700
32		486	782	79550	175300	866	88400	194800	931	94800	208900
33		517	832	84600	186500	921	94000	207200	990	100800	222200
34		549	883	89800	197900	978	99750	219900	1 051	107000	235800
	1 3/8	579	932	94760	208900	1 032	105290	232100	1 109	112930	248900
35		582	936	95150	209700	1 036	105700	233000	1 114	113400	250000
36		615	990	100650	221800	1 096	111850	246500	1 178	119950	264400
37		650	1 046	106350	234400	1 158	118150	260400	1 245	126750	279400
38		686	1 103	112150	247200	1 222	124600	274600	1 313	133650	294600
	1 1/2	689	1 109	112780	248600	1 228	125310	276200	1 320	134400	296200
39		722	1 162	118150	260400	1 287	131250	289300	1 383	140800	310400
40		760	1 222	124250	273900	1 354	138100	304400	1 455	148100	326500
	1 5/8	809	1 302	132360	291800	1 441	147070	324200	1 549	157730	347700

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

DIEPA **D 1318 Z**
DIEPA **D 1318 ZP**
DIEPA **D 1318 CZ**
DIEPA **D 1318 CZP**



PRODUCT

DIEPA **D 1318 Z**	Ordinary lay
DIEPA **D 1318 ZP**	Ordinary lay with internal plastic component
▶ DIEPA **D 1318 CZ**	Lang lay
DIEPA **D 1318 CZP**	Lang lay with internal plastic component

PROPERTIES

- Rotation resistant
- Compacted outer strands
- High breaking force

TECHNICAL DATA

Load-bearing wires in outer strands/ RCN acc. to ISO 4309	108	Ø 6 – 9 mm	RCN.23-2
	126	Ø 10 – 49 mm	RCN.23-3
	306	Ø 50 – 70 mm	RCN.31
Total number of wires	241	Ø 6 – 9 mm	
	349	Ø 10 – 49 mm	
	600	Ø 50 – 70 mm	
Fill factor	0.7509		
Spinning loss factor	0.7800	at 1770 N/mm²	
	0.7800	at 1960 N/mm²	
	0.7700	at 2160 N/mm²	

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
6		20	29.3	2 950	6 500	32.5	3 250	7 100	35.3	3 550	7 800
	1/4	21	32.3	3 290	7 200	35.9	3 660	8 000	38.8	3 960	8 700
6.5		22	34.4	3 450	7 600	38.1	3 850	8 400	41.4	4 150	9 100
7		27	39.9	4 050	8 900	44.2	4 450	9 800	48.1	4 850	10600
7.5		30	45.8	4 600	10100	50.7	5 100	11200	55.2	5 550	12200
	5/16	33	50.6	5 160	11300	56.4	5 750	12600	61.3	6 250	13700
8		35	52.1	5 250	11500	57.7	5 850	12800	62.8	6 350	13900
8.5		38	58.8	5 950	13100	65.1	6 600	14500	70.9	7 150	15700
9		44	66.0	6 650	14600	73.0	7 400	16300	79.3	8 050	17700
9.5		48	73.5	7 400	16300	81.1	8 250	18100	88.6	9 000	19800
	3/8	48	73.5	7 440	16400	81.3	8 290	18200	88.7	9 040	19900
10		52	80.3	8 150	17900	88.9	9 050	19900	96.6	9 850	21700
11		64	97.5	9 900	21800	108	10950	24100	117	11900	26200
	7/16	66	99.3	10120	22300	110	11200	24600	119	12180	26800
12		78	119	12050	26500	132	13400	29500	143	14550	32000
	1/2	86	132	13460	29600	147	14990	33000	160	16270	35800
13		91	139	14100	31000	154	15700	34600	167	17050	37500
14		105	161	16400	36100	179	18250	40200	194	19800	43600

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

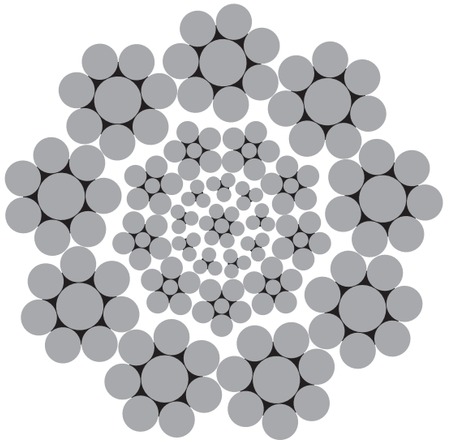
Diameter		Weight	Min. breaking force **1770 N/mm²**			Min. breaking force **1960 N/mm²**			Min. breaking force **2160 N/mm²**		
mm	inch	kg/100m	kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
	9/16	108	167	17060	37600	186	18990	41800	202	20620	45400
15		121	185	18750	41300	205	20900	46000	223	22700	50000
	5/8	134	206	21020	46300	229	23390	51500	249	25370	55900
16		137	211	21350	47000	233	23750	52300	253	25750	56700
17		155	237	24100	53100	263	26800	59000	285	29100	64100
18		175	268	27200	59900	296	30200	66500	322	32800	72300
19		193	296	30100	66300	328	33450	73700	356	36300	80000
	3/4	193	297	30250	66600	330	33620	74100	358	36490	80400
20		214	328	33350	73500	363	37050	81600	395	40250	88700
21		236	361	36700	80900	400	40800	89900	435	44300	97600
22		259	397	40350	88900	440	44850	98800	478	48700	107300
	7/8	262	404	41190	90800	449	45790	100900	488	49720	109600
23		283	434	44100	97200	481	49050	108100	522	53250	117300
24		308	473	48000	105800	523	53350	117600	568	57900	127600
25		327	502	51050	112500	556	56700	125000	604	61600	135800
	1	342	520	52960	116700	577	58850	129700	627	63910	140800
26		359	551	55900	123200	609	62150	137000	662	67450	148700
27		385	591	60050	132300	654	66800	147200	711	72500	159800
28		415	637	64750	142700	706	71950	158600	767	78150	172200
	1 1/8	433	660	67250	148200	733	74740	164700	796	81170	178900
29		443	680	69100	152300	753	76800	169300	818	83400	183800
30		474	727	73900	162900	805	82100	180900	875	89200	196600
31		504	774	78650	173300	856	87350	192500	931	94900	209200
	1 1/4	535	811	82640	182100	900	91790	202300	978	99680	219700
32		539	826	84000	185100	915	93300	205600	994	101300	223300
33		572	877	89150	196500	971	99050	218300	1 056	107600	237200
34		607	931	94700	208700	1 032	105250	232000	1 121	114250	251800
	1 3/8	647	983	100180	220800	1 092	111280	245300	1 185	120840	266400
35		645	990	100600	221700	1 096	111750	246300	1 190	121350	267500
36		680	1 043	106050	233700	1 155	117850	259800	1 255	127950	282000
37		723	1 109	112700	248400	1 228	125250	276100	1 335	136050	299900
38		759	1 165	118400	261000	1 289	131550	290000	1 401	142850	314900
	1 1/2	770	1 167	119000	262300	1 297	132220	291400	1 409	143580	316500
39		798	1 225	124500	274400	1 356	138350	305000	1 474	150250	331200
40		839	1 286	130800	288300	1 425	145350	320400	1 549	157850	347900
41		884	1 356	137800	303700	1 501	153100	337500	1 631	166250	366500
	1 5/8	904	1 370	139640	307800	1 522	155150	342000	1 653	168480	371400
42		926	1 421	144450	318400	1 573	160500	353800	1 710	174300	384200
43		972	1 491	151650	334300	1 651	168500	371400	1 795	182950	403300
44		1 017	1 560	158550	349500	1 727	176200	388400	1 877	191300	421700
	1 3/4	1 049	1 589	161940	357000	1 765	179950	396700	1 917	195410	430800
45		1 065	1 634	166150	366200	1 810	184600	406900	1 967	200500	442000
46		1 111	1 704	173200	381800	1 887	192500	424300	2 050	209000	460700
47		1 161	1 781	181000	399000	1 972	201150	443400	2 143	218400	481400
	1 7/8	1 204	1 822	185760	409500	2 025	206450	455100	2 199	224170	494200
48		1 209	1 856	188600	415700	2 055	209600	462000	2 233	227600	501700
49		1 261	1 934	196600	433400	2 142	218500	481700	2 327	237250	523000
50		1 314	2 015	204900	451700	2 232	227650	501800	2 425	247200	544900
	2	1 370	2 101	213680	471000	2 327	237420	523400	2 531	257810	568300
51		1 381	2 118	215350	474700	2 345	239250	527400	2 551	259800	572700
52		1 435	2 202	223850	493400	2 438	248700	548200	2 653	270100	595400
53		1 491	2 287	232550	512600	2 533	258400	569600	2 755	280600	618600
	2 1/8	1 546	2 372	241220	531700	2 627	268020	590800	2 858	291050	641600
54		1 548	2 374	241400	532100	2 629	268200	591200	2 861	291250	642000
55		1 606	2 463	250450	552100	2 728	278300	613500	2 967	302150	666100
56		1 665	2 554	259650	572400	2 828	288450	635900	3 076	313250	690500
57		1 725	2 646	269000	593000	2 930	298850	658800	3 187	324550	715500
	2 1/4	1 734	2 659	270430	596100	2 945	300480	662400	3 204	326290	719300
58		1 786	2 739	278500	613900	3 033	309450	682200	3 299	336050	740800
59		1 848	2 835	288200	635300	3 139	320200	705900	3 414	347700	766500

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

DIEPA **D 1318 Z**
DIEPA **D 1318 ZP**
DIEPA **D 1318 CZ**
DIEPA **D 1318 CZP**

Diameter		Weight	Min. breaking force **1770 N/mm²**			Min. breaking force **1960 N/mm²**			Min. breaking force **2160 N/mm²**		
mm	inch	kg/100m	kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
60		1 911	2 931	298050	657000	3 246	331150	730000	3 531	359600	792700
	2 3/8	1 932	2 963	301320	664200	3 281	334790	738000	3 570	363560	801500
61		1 975	3 030	308100	679200	3 355	342300	754600	3 650	371700	819400
62		2 040	3 130	318250	701600	3 466	353650	779600	3 771	383950	846400
63		2 107	3 232	328600	724400	3 579	365100	804800	3 893	396500	874100
	2 1/2	2 140	3 283	333870	736000	3 636	370960	817800	3 955	402840	888100
64		2 174	3 335	339100	747500	3 693	376800	830600	4 018	409150	902000
65		2 243	3 440	349800	771100	3 810	388650	856800	4 144	422050	930400
66		2 312	3 547	360650	795000	3 927	400700	883300	4 273	435150	959300
	2 5/8	2 360	3 620	368090	811400	4 008	408990	901600	4 361	444120	979100
67		2 383	3 655	371650	819300	4 047	412950	910300	4 403	448400	988500
68		2 454	3 765	382850	844000	4 169	425400	937800	4 535	461900	1 018300
69		2 527	3 877	394200	869000	4 292	438000	965600	4 670	475600	1 048500
	2 3/4	2 590	3 973	403980	890600	4 399	448870	989500	4 786	487430	1 074500
70		2 601	3 990	405700	894400	4 418	450800	993800	4 806	489500	1 079100

DIEPA **K 114**



PRODUCT

▶ DIEPA **K 114** Ordinary lay

PROPERTIES

- Non-rotation resistant
- Non-compacted outer strands
- Use without rope swivel

TECHNICAL DATA

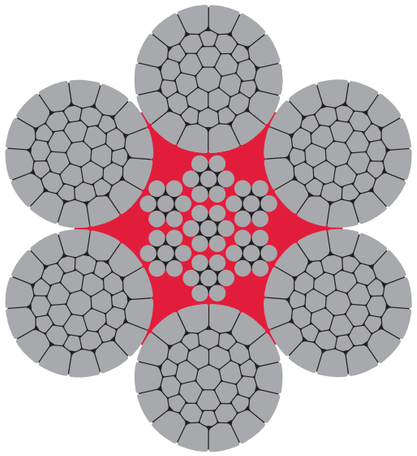
Load-bearing wires in outer strands/ RCN acc. to ISO 4309	63 72	Ø 6 mm Ø 7 – 20 mm	RCN.02 RCN.02
Total number of wires	106 160	Ø 6 mm Ø 7 – 20 mm	
Fill factor	0.6154		
Spinning loss factor	0.8500		

Diameter		Weight	Min. breaking force **1770 N/mm²**			Min. breaking force **1960 N/mm²**			Min. breaking force **2160 N/mm²**		
mm	inch	kg/100m	kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
6		16	24.5	2 500	5 500	27.7	2 800	6 100	On request		
	1/4	19	28.5	2 910	6 400	31.5	3 210	7 000			
6.5		19	30.7	3 100	6 800	34.0	3 400	7 400			
7		24	36.5	3 700	8 100	41.0	4 150	9 100			
7.5		26	40.9	4 100	9 000	45.3	4 550	10000			
	5/16	29	44.0	4 490	9 800	49.3	5 030	11000			
8		29	44.8	4 550	10000	49.5	5 100	11200			
8.5		33	52.5	5 300	11600	58.2	5 900	13000			
9		39	59.9	6 150	13500	67.3	6 800	14900			
9.5		41	65.6	6 650	14600	72.7	7 350	16200			
	3/8	42	65.6	6 690	14700	72.7	7 400	16300			
10		46	72.3	7 400	16300	81.3	8 250	18100			
11		59	91.6	9 350	20600	103	10450	23000			
	7/16	59	92.9	9 470	20800	104	10580	23300			
12		66	102	10500	23100	115	11700	25700			
	1/2	74	114	11670	25700	128	13010	28600			
13		76	116	12200	26800	133	13600	29900			
14		89	133	14400	31700	157	16000	35200			

Diameter		Weight	Min. breaking force **1770 N/mm²**			Min. breaking force **1960 N/mm²**			Min. breaking force **2160 N/mm²**		
mm	inch	kg/100m	kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
	9/16	94	146	14930	32900	163	16590	36500	On request		
15		101	155	16300	35900	178	18100	39900			
	5/8	116	181	18490	40700	202	20590	45300			
16		117	181	18800	41400	206	20950	46100			
17		133	210	21300	46900	233	23700	52200			
18		149	235	23900	52600	261	26600	58600			
19		166	263	26650	58700	291	29600	65200			
	3/4	167	263	26790	59000	292	29750	65500			
20		184	291	29550	65100	322	32850	72400			

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**



PRODUCT

DIEPA **Z 299** Ordinary lay
▶ DIEPA **PZ 299** Ordinary lay with internal plastic component

PROPERTIES

- Non-rotation resistant
- Compacted outer strands
- Use without rope swivel

TECHNICAL DATA

Load-bearing wires in outer strands/ RCN acc. to ISO 4309	42	Ø 4 – 6 mm	RCN.01
	216	Ø 7 – 60 mm	RCN.09
Total number of wires	91	Ø 4 – 6 mm	
	265	Ø 7 – 60 mm	
Fill factor	0.6526		
Spinning loss factor	0.8400	at 1770 N/mm²	
	0.8400	at 1960 N/mm²	
	0.8300	at 2160 N/mm²	

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force 1770 N/mm² kN	kp	lbs	Min. breaking force 1960 N/mm² kN	kp	lbs	Min. breaking force 2160 N/mm² kN	kp	lbs
4		7	12.2	1 200	2 600	13.5	1 300	2 800	14.7	1 450	3 100
	3/16	10	17.3	1 750	3 800	19.1	1 940	4 200	20.8	2 110	4 600
5		11	19.1	1 900	4 100	21.1	2 100	4 600	22.9	2 300	5 000
6		16	27.5	2 750	6 000	30.5	3 100	6 800	33.2	3 350	7 300
	1/4	18	30.7	3 120	6 800	34.0	3 460	7 600	37.1	3 760	8 200
6.5		19	32.2	3 200	7 000	35.7	3 600	7 900	38.8	3 900	8 500
7		22	37.3	3 750	8 200	41.3	4 200	9 200	45.0	4 550	10000
7.5		26	42.9	4 300	9 400	47.5	4 800	10500	51.7	5 200	11400
	5/16	29	48.0	4 880	10700	53.2	5 410	11900	57.9	5 890	12900
8		29	48.8	4 950	10900	54.0	5 500	12100	58.8	5 950	13100
8.5		33	55.1	5 550	12200	61.0	6 200	13600	66.4	6 700	14700
9		37	61.7	6 250	13700	68.3	6 950	15300	74.4	7 550	16600
9.5		41	68.8	6 950	15300	76.2	7 750	17000	82.9	8 400	18500
	3/8	41	69.1	7 030	15400	76.6	7 810	17200	83.4	8 490	18700
10		46	76.2	7 700	16900	84	8 600	18900	92.1	9 300	20500
11		55	92.4	9 350	20600	102	10400	22900	111	11250	24800
	7/16	56	94.1	9 560	21000	104	10620	23400	113	11550	25400
12		66	110	11100	24400	122	12350	27200	132	13400	29500
	1/2	74	123	12490	27500	136	13880	30500	148	15080	33200
13		77	129	13050	28700	143	14500	31900	155	15800	34800
14		89	150	15150	33300	165	16800	37000	180	18300	40300
	9/16	93	156	15810	34800	172	17570	38700	188	19090	42000
15		103	171	17400	38300	190	19350	42600	207	21000	46200

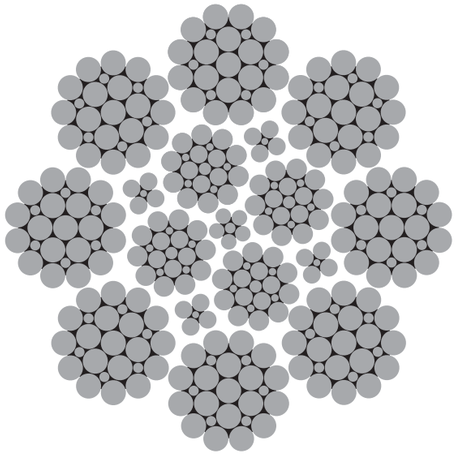
As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

DIEPA **Z 299**
DIEPA **PZ 299**

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force 1770 N/mm² kN	kp	lbs	Min. breaking force 1960 N/mm² kN	kp	lbs	Min. breaking force 2160 N/mm² kN	kp	lbs
	5/8	115	192	19530	43000	213	21690	47800	232	23580	51900
16		117	195	19800	43600	216	22000	48500	235	23900	52600
17		132	220	22350	49200	244	24850	54700	266	27000	59500
18		148	247	25050	55200	274	27850	61300	298	30250	66600
19		165	275	27950	61600	305	31050	68400	332	33750	74400
	3/4	166	277	28120	61900	306	31240	68800	333	33960	74800
20		182	305	30950	68200	338	34400	75800	368	37400	82400
21		201	336	34100	75100	372	37950	83600	405	41250	90900
22		221	369	37500	82600	408	41650	91800	445	45250	99700
	7/8	225	376	38270	84300	417	42520	93700	454	46220	101800
23		241	403	40950	90200	446	45500	100300	486	49450	109000
24		263	439	44600	98300	486	49550	109200	530	53850	118700
25		285	476	48400	106700	528	53800	118600	574	58450	128800
	1	294	492	49990	110200	544	55540	122400	593	60370	133000
26		308	515	52350	115400	570	58200	128300	621	63200	139300
27		333	555	56450	124400	615	62700	138200	670	68200	150300
28		358	597	60700	133800	662	67450	148700	720	73300	161500
	1 1/8	372	622	63270	139400	689	70300	154900	750	76410	168400
29		384	641	65100	143500	710	72400	159600	773	78650	173300
30		411	686	69700	153600	759	77450	170700	827	84200	185600
31		438	732	74450	164100	811	82700	182300	883	89900	198100
	1 1/4	460	768	78120	172200	851	86790	191300	926	94340	207900
32		467	780	79300	174800	864	88150	194300	941	95800	211200
33		497	830	84350	185900	919	93700	206500	1 001	101900	224600
34		527	881	89550	197400	975	99500	219300	1 062	108150	238400
	1 3/8	556	930	94520	208300	1 029	105020	231500	1 121	114150	251600
35		559	933	94900	209200	1 034	105450	232400	1 125	114600	252600
36		591	988	100400	221300	1 094	111550	245900	1 191	121250	267300
37		625	1 043	106050	233700	1 155	117850	259800	1 258	128100	282400
38		659	1 100	111850	246500	1 219	124300	274000	1 327	135100	297800
	1 1/2	662	1 106	112490	247900	1 225	124990	275500	1 334	135850	299400
39		694	1 159	117850	259800	1 284	130950	288600	1 398	142300	313700
40		730	1 220	123950	273200	1 350	137750	303600	1 470	149700	330000
41		767	1 281	130200	287000	1 419	144700	319000	1 545	157300	346700
	1 5/8	777	1 298	132020	291000	1 438	146680	323300	1 565	159440	351500
42		805	1 344	136650	301200	1 488	151850	334700	1 621	165050	363800
43		843	1 409	143250	315800	1 560	159150	350800	1 699	173000	381300
44		883	1 475	150000	330600	1 634	166650	367300	1 779	181150	399300
	1 3/4	901	1 506	153110	337500	1 667	170130	375000	1 816	184910	407600
45		924	1 543	156900	345900	1 709	174300	384200	1 861	189450	417600
46		965	1 613	163950	361400	1 786	182150	401500	1 945	198000	436500
47		1 008	1 683	171150	377300	1 864	190150	419200	2 030	206700	455600
	1 7/8	1 035	1 728	175770	387500	1 914	195300	430500	2 084	212270	467900
48		1 051	1 756	178500	393500	1 945	198350	437200	2 117	215550	475200
49		1 095	1 830	186050	410100	2 026	206700	455600	2 206	224650	495200
50		1 140	1 905	193700	427000	2 110	215250	474500	2 297	233950	515700
	2	1 177	1 967	199980	440800	2 178	222210	489800	2 371	241520	532400
51		1 187	1 982	201550	444300	2 195	223900	493600	2 390	243350	536400
52		1 233	2 061	209500	461800	2 281	232800	513200	2 485	253000	557700
53		1 281	2 140	217650	479800	2 370	241850	533100	2 581	262850	579400
	2 1/8	1 329	2 220	225760	497700	2 458	250850	553000	2 677	272650	601000
54		1 330	2 222	225950	498100	2 460	251050	553400	2 679	272900	601600
55		1 380	2 305	234400	516700	2 553	260400	574000	2 780	283100	624100
56		1 431	2 390	243000	535700	2 647	270000	595200	2 882	293450	646900
57		1 482	2 476	251750	555000	2 742	279750	616700	2 986	304050	670300
	2 1/4	1 490	2 489	253110	558000	2 756	281240	620000	3 001	305680	673900
58		1 535	2 564	260650	574600	2 838	289600	638400	3 091	314800	694000
59		1 588	2 653	269750	594600	2 937	299700	660700	3 199	325750	718100
60		1 642	2 743	278950	614900	3 038	309950	683300	3 308	336850	742600
	2 3/8	1 660	2 773	282020	621700	3 071	313350	690800	3 344	340590	750800

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

DIEPA **S 417**



PRODUCT

▶ DIEPA **S 417** Ordinary lay

PROPERTIES

- Non-rotation resistant
- Non-compacted outer strands
- Use without rope swivel

TECHNICAL DATA

Load-bearing wires in outer strands/ RCN acc. to ISO 4309	56	Ø 4 – 7 mm	RCN.02
	152	Ø 8 – 59 mm	RCN.06
	288	Ø 60 – 75 mm	RCN.13
Total number of wires	95	Ø 4 – 7 mm	
	246	Ø 8 – 15 mm	
	310	Ø 16 – 59 mm	
	427	Ø 60 – 75 mm	
Fill factor	0.6648		
Spinning loss factor	0.8600	at 1770 N/mm²	
	0.8600	at 1960 N/mm²	
	0.8200	at 2160 N/mm²	

Diameter		Weight	Min. breaking force **1770 N/mm²**			Min. breaking force **1960 N/mm²**			Min. breaking force **2160 N/mm²**		
mm	inch	kg/100m	kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
4		8	12.7	1 250	2 700	14.1	1 400	3 000	14.8	1 450	3 100
	3/16	11	17.3	1 760	3 800	19.5	1 990	4 300	20.3	2 070	4 500
5		12	19.9	1 950	4 200	22.0	2 200	4 800	23.1	2 300	5 000
6		17	28.6	2 850	6 200	31.7	3 200	7 000	33.3	3 350	7 300
	1/4	19	31.3	3 190	7 000	35.1	3 580	7 800	36.9	3 760	8 200
6.5		20	33.6	3 350	7 300	37.2	3 750	8 200	39.1	3 950	8 700
7		23	38.9	3 950	8 700	43.1	4 350	9 500	45.3	4 550	10000
7.5		26	44.7	4 500	9 900	49.5	5 000	11000	52.0	5 250	11500
	5/16	30	49.2	5 020	11000	54.5	5 560	12200	57.0	5 810	12800
8		30	50.0	5 100	11200	55.4	5 650	12400	57.9	5 900	13000
8.5		34	57.4	5 800	12700	63.6	6 450	14200	66.8	6 750	14800
9		38	63.3	6 450	14200	70.1	7 150	15700	73.6	7 500	16500
9.5		42	71.7	7 250	15900	79.4	8 050	17700	83.6	8 450	18600
	3/8	43	71.7	7 290	16000	79.4	8 090	17800	83.6	8 490	18700
10		47	78.0	7 950	17500	86.8	8 850	19500	91.2	9 300	20500
11		58	97.6	9 950	21900	108	11050	24300	114	11600	25500
	7/16	58	99.5	10140	22300	111	11270	24800	116	11820	26000
12		69	116	11800	26000	129	13150	28900	135	13750	30300

Diameter		Weight	Min. breaking force **1770 N/mm²**			Min. breaking force **1960 N/mm²**			Min. breaking force **2160 N/mm²**		
mm	inch	kg/100m	kN	kp	lbs	kN	kp	lbs	kN	kp	lbs
	1/2	76	128	13040	28700	142	14490	31900	149	15230	33500
13		80	133	13600	29900	148	15100	33200	156	15900	35000
14		95	159	16200	35700	177	18000	39600	185	18900	41600
	9/16	96	165	16790	37000	183	18650	41100	192	19570	43100
15		107	180	18300	40300	199	20300	44700	209	21300	46900
	5/8	118	204	20790	45800	226	23060	50800	237	24190	53300
16		123	207	21150	46600	230	23450	51600	241	24600	54200
17		138	232	23650	52100	258	26250	57800	270	27550	60700
18		153	258	26300	57900	286	29200	64300	301	30650	67500
19		173	291	29700	65400	324	33000	72700	339	34600	76200
	3/4	174	293	29830	65700	325	33150	73000	341	34760	76600
20		190	319	32550	71700	355	36200	79800	373	38000	83700
21		204	343	35000	77100	382	38950	85800	401	40850	90000
22		234	393	40100	88400	437	44500	98100	458	46700	102900
	7/8	239	401	40910	90100	446	45420	100100	468	47660	105000
23		255	429	43700	96300	477	48600	107100	500	50950	112300
24		276	465	47350	104300	516	52600	115900	541	55150	121500
25		297	500	50950	112300	555	56550	124600	582	59350	130800
	1	303	514	52410	115500	571	58210	128300	599	61060	134600
26		318	536	54650	120400	596	60750	133900	625	63700	140400
27		342	575	58650	129200	640	65200	143700	671	68350	150600
28		366	617	62900	138600	686	69900	154100	719	73300	161500
	1 1/8	384	646	65860	145100	718	73210	161300	753	76750	169200
29		396	668	68050	150000	742	75650	166700	778	79300	174800
30		422	711	72450	159700	790	80500	177400	828	84450	186100
31		442	746	76000	167500	828	84450	186100	869	88600	195300
	1 1/4	474	793	80850	178200	881	89820	198000	924	94240	207700
32		480	809	82500	181800	899	91650	202000	943	96150	211900
33		497	838	85400	188200	931	94900	209200	976	99500	219300
34		544	918	93550	206200	1 020	103950	229100	1 069	109000	240300
	1 3/8	573	964	98280	216600	1 072	109240	240800	1 124	114570	252500
35		574	968	98650	217400	1 076	109650	241700	1 128	115000	253500
36		617	1 040	106000	233600	1 156	117800	259700	1 212	123550	272300
37		649	1 093	111450	245700	1 215	123900	273100	1 275	129950	286400
38		682	1 150	117200	258300	1 277	130200	287000	1 340	136600	301100
	1 1/2	682	1 156	117800	259700	1 284	130870	288500	1 347	137300	302600
39		718	1 210	123300	271800	1 344	137000	302000	1 410	143700	316800
40		751	1 266	129100	284600	1 407	143400	316100	1 476	150450	331600
41		785	1 323	134900	297400	1 471	149900	330400	1 543	157250	346600
	1 5/8	801	1 341	136690	301300	1 490	151890	334800	1 563	159330	351200
42		823	1 387	141350	311600	1 541	157100	346300	1 616	164750	363200
43		858	1 447	147500	325100	1 608	163900	361300	1 686	171900	378900
44		900	1 517	154600	340800	1 685	171800	378700	1 767	180150	397100
	1 3/4	928	1 544	157410	347000	1 716	174900	385500	1 799	183430	404300
45		936	1 578	160900	354700	1 754	178750	394000	1 839	187500	413300
46		996	1 680	171300	377600	1 867	190300	419500	1 958	199600	440000
47		1 018	1 717	175050	385900	1 908	194450	428600	2 001	203950	449600
	1 7/8	1 066	1 760	179410	395500	1 955	199310	439300	2 051	209030	460800
48		1 059	1 785	182000	401200	1 984	202200	445700	2 080	212050	467400
49		1 099	1 853	188900	416400	2 059	209900	462700	2 160	220200	485400
50		1 142	1 925	196250	432600	2 139	218050	480700	2 244	228700	504100
	2	1 213	2 051	208570	459800	2 271	231750	510900	2 387	243070	535800
51		1 222	2 067	210200	463400	2 289	233550	514800	2 405	244950	540000
52		1 271	2 149	218500	481700	2 380	242800	535200	2 501	254650	561400
53		1 320	2 233	227000	500400	2 473	252200	556000	2 598	264550	583200
	2 1/8	1 369	2 315	235460	519000	2 564	261620	576700	2 694	274400	604900
54		1 370	2 318	235650	519500	2 566	261850	577200	2 697	274650	605400
55		1 422	2 405	244450	538900	2 663	271600	598700	2 798	284900	628000
56		1 474	2 492	253400	558600	2 760	281600	620800	2 900	295350	651100
57		1 527	2 583	262600	578900	2 860	291750	643100	3 004	306000	674600

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

Diameter mm	Diameter inch	Weight kg/100m	Min. breaking force **1770 N/mm²** kN	kp	lbs	Min. breaking force **1960 N/mm²** kN	kp	lbs	Min. breaking force **2160 N/mm²** kN	kp	lbs
	2¼	1 535	2 596	263980	581900	2 875	293320	646600	3 021	307630	678200
58		1 581	2 674	271850	599300	2 961	302050	665800	3 111	316800	698400
59		1 636	2 767	281300	620100	3 063	312600	689100	3 219	327850	722700
60		1 692	2 861	290900	641300	3 168	323250	712600	3 329	339050	747400
	2⅜	1 710	2 892	294120	648400	3 203	326810	720400	3 365	342770	755600
61		1 749	2 958	300700	662900	3 275	334150	736600	3 442	350450	772600
62		1 806	3 056	310650	684800	3 383	345200	761000	3 555	362050	798100
63		1 865	3 154	320750	707100	3 493	356400	785700	3 670	373800	824000
	2½	1 895	3 205	325900	718400	3 549	362120	798300	3 729	379800	837300
64		1 925	3 255	331050	729800	3 605	367800	810800	3 788	385800	850500
65		1 985	3 358	341450	752700	3 719	379400	836400	3 907	397900	877200
66		2 047	3 462	352000	776000	3 834	391150	862300	4 029	410250	904400
	2⅝	2 089	3 533	359310	792100	3 913	399230	880100	4 111	418730	923100
67		2 109	3 568	362750	799700	3 951	403100	888600	4 152	422750	931900
68		2 173	3 675	373700	823800	4 070	415250	915400	4 276	435500	960100
69		2 237	3 784	384800	848300	4 190	427500	942400	4 403	448400	988500
	2¾	2 293	3 878	394350	869300	4 294	438170	965900	4 512	459560	1 013100
70		2 303	3 894	396000	873000	4 313	440000	970000	4 531	461500	1 017400
71		2 369	4 007	407400	898100	4 437	452700	998000	4 662	474800	1 046700
72		2 436	4 120	418950	923600	4 562	465500	1 026200	4 795	488250	1 076300
73		2 504	4 236	430650	949400	4 690	478500	1 054900	4 928	501900	1 106400
	2⅞	2 506	4 238	431010	950200	4 693	478900	1 055700	4 932	502290	1 107300
74		2 573	4 352	442550	975600	4 819	491700	1 084000	5 064	515750	1 137000
75		2 643	4 470	454600	1 002200	4 951	505150	1 113600	5 202	529800	1 167900

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

DISCONTINUED
DIEPA SPECIAL WIRE ROPES

ROTATION RESISTANT

DIEPA D 1918 Z
DIEPA D 1918 Z-SO
DIEPA D 2118
DIEPA D 2118 C
DIEPA D 915 C
DIEPA SKF 18
DIEPA D 156
DIEPA D 180
DIEPA D 430
DIEPA D 3615 C
DIEPA DP 2218 Z
DIEPA D 915
DIEPA D 1200
DIEPA TK 209
DIEPA TK 221
DIEPA TK 248

NON-ROTATION RESISTANT

DIEPA SKF 8/9
DIEPA S 408
DIEPA S 408 N-SO
DIEPA S 417 C
DIEPA P 826 C
DIEPA N 825 CN
DIEPA Gelb
DIEPA Rot
DIEPALON
DIEPA S 625
DIEPA N 625 CN
DIEPA S 268
DIEPA S 335
DIEPA SKZ 12

Please contact us for information on availability or alternatives.

GENERAL INFORMATION
ABOUT THIS CATALOGUE

The technical specifications and depicted cross-sections of DIEPA special wire rope detailed in this catalogue comply with the current state of technology at the time of going to press.

Ongoing innovations and further developments are always finding their way into the optimisation process for our special wire ropes. This means it may happen that during the period of validity of the catalogue, the details of individual products may have been subject to change.

In addition to the special wire ropes detailed in the catalogue, DIEPA also makes ropes to specification tailored to the needs and wishes of its customers. It is therefore also possible to undertake rope constructions where the properties such as diameter, breaking force or tensile strength need to be customer specific. Our DIEPA specialists will be glad to provide additional information on this service.

Should you require special elevator ropes please do not hesitate to contact our team for practical advice.

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

APPLICATION TABLE
DIEPA SPECIAL WIRE ROPES

	Rotation resistant	Non-rotation resistant	Compacted outer strands	Compacted rope	Use without rope swivel	Use with rope swivel	Single-layer drum coiling	Multi-layer drum coiling	Special applications
DIEPA **B 40/43**	•				•	•	•		
DIEPA **B 45/48**	•				•	•		•	
DIEPA **B 50/53**	•		•		•	•	•	•	
DIEPA **B 55/58**	•		•		•	•		•	
DIEPA **B 60/63**	•		•		•	•	•	•	
DIEPA **B 65/68**	•		•		•	•		•	
DIEPA **B 70/73/75/78**	•		•		•	•		•	
DIEPA **C 40/43**	•		•		•	•	•	•	
DIEPA **C 45/48**	•		•		•	•		•	
DIEPA **K 40/43/45/48**	•		•	•	•	•			•
DIEPA **X 40/43**		•			•		•		
DIEPA **X 45/48**		•			•				•
DIEPA **X 50/53**		•	•		•		•	•	
DIEPA **X 55/58**		•	•		•				•
DIEPA **H 40/43**		•	•		•		•	•	
DIEPA **H 50/53**		•	•	•	•			•	
DIEPA **W 40/43**		•	•		•		•	•	
DIEPA **F 41/46**		•		•	•				•
DIEPA **Super 3**	slightly rotation resistant			•	•	•			•
DIEPA **Super 4**	slightly rotation resistant		•	•	•	•			•
DIEPA **D 1200 Z**	slightly rotation resistant		•		•				•
DIEPA **D 1318 Z/ZP**	•		•		•	•	•	•	
DIEPA **D 1318 CZ/CZP**	•		•		•	•		•	
DIEPA **K 114**		•			•				•
DIEPA **Z 299/PZ 299**		•	•		•		•	•	
DIEPA **S 417**		•			•				•

As of 09/2014 – We reserve the right to make alterations resulting from technical developments. The representations are schematic and intended as examples. The actual rope construction depends on the rope diameter. We can accept no liability for mistakes and printing errors.

DIEPA Drahtseilwerk Dietz GmbH & Co.KG Damaschkestraße 30 96465 Neustadt bei Coburg Germany Tel.: +49 (0) 9568 924 0 **www.diepa.de**

DIEPA
Drahtseilwerk Dietz
GmbH & Co. KG

Damaschkestraße 30
D-96465 Neustadt bei Coburg

Phone +49 (0) 9568 924-0
Fax +49 (0) 9568 924-101
E-Mail info@diepa.de
Internet www.diepa.de

Reproduction, in whole or in part, only with reference to DIEPA.
09/2014