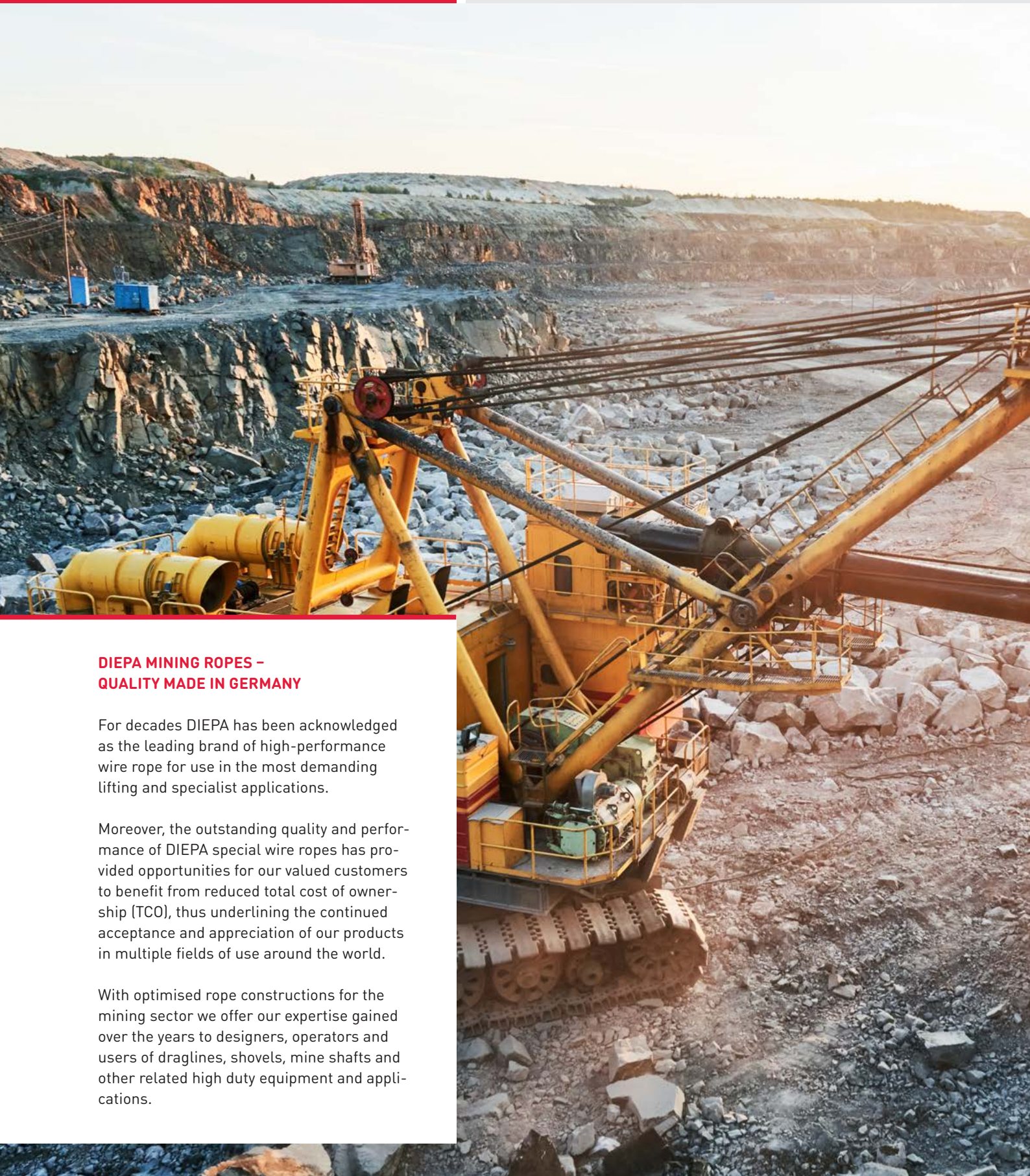


The Diepa logo is rendered in a bold, red, cursive script. The letter 'D' is particularly large and stylized, with a thick stroke. A registered trademark symbol (®) is positioned at the top right of the 'a'. The logo is centered within a white rectangular area that has thin vertical grey lines on its left and right sides. This white area is superimposed on a solid red background. A thick, grey, braided rope runs vertically through the center of the image, passing behind the white logo area.

Diepa[®]

MINING ROPES



**DIEPA MINING ROPES –
QUALITY MADE IN GERMANY**

For decades DIEPA has been acknowledged as the leading brand of high-performance wire rope for use in the most demanding lifting and specialist applications.

Moreover, the outstanding quality and performance of DIEPA special wire ropes has provided opportunities for our valued customers to benefit from reduced total cost of ownership (TCO), thus underlining the continued acceptance and appreciation of our products in multiple fields of use around the world.

With optimised rope constructions for the mining sector we offer our expertise gained over the years to designers, operators and users of draglines, shovels, mine shafts and other related high duty equipment and applications.



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DIEPA MINING ROPES

Manufactured according to international standards DIN EN 12385 and ISO 3154. Design, breaking force and weight will be adjusted to the individual requirements.

DIEPA MX AND ML SERIES

ROPE CONSTRUCTION

Our 8- and 10-strand ropes offer high longevity and best durability against bending fatigue. These advantages are based on parallel lay strands combined with well-engineered rope design. Suitable for both single- and multi-layer applications.

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.

DIEPA MB SERIES

ROPE CONSTRUCTION

Based on our successful rotation resistant rope series these ropes offer excellent non-spin characteristics. The combination of a compact rope structure and rugged outer strands make them most suitable for multi-layer coiling.



ROPE LUBRICANT

Intensive impregnation of all rope components with lubricant during manufacture serves to inhibit the onset of internal corrosion, something especially important for prolonged service. In case of friction based applications, our ropes are equipped with a special coating offering high friction coefficients.

WIRE MATERIAL

DIEPA only processes exceptionally high-quality wire materials which go far beyond the requirements stipulated by the relevant standards. Besides bright or galvanized wires, the coating can be of aluminium-zinc to fulfil special corrosion resistance requirements.

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. Even tailor-made ropes can be realised quickly due to our huge wire stock and our customer-oriented production planning.

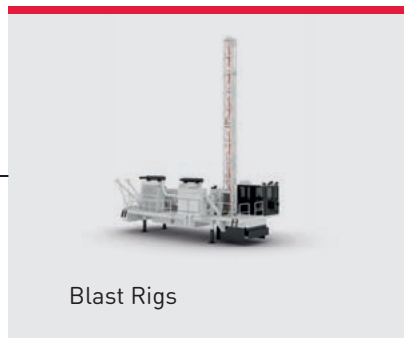
SURFACE MINING



Draglines



Rope Shovels



Blast Rigs

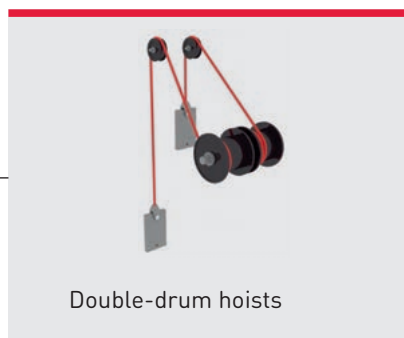
SHAFT MINING | Up to 450 meters shaft depth



Friction (Koepe) hoists



Friction (Koepe) hoists
with diverter sheave



Double-drum hoists

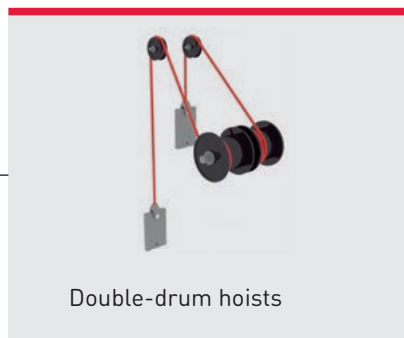
SHAFT MINING | Beyond 450 meters shaft depth



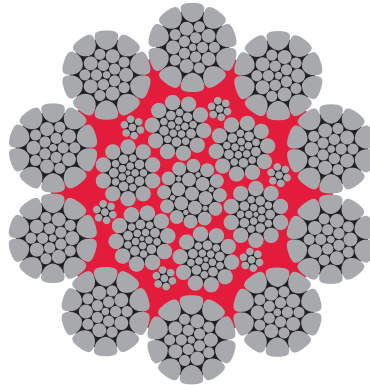
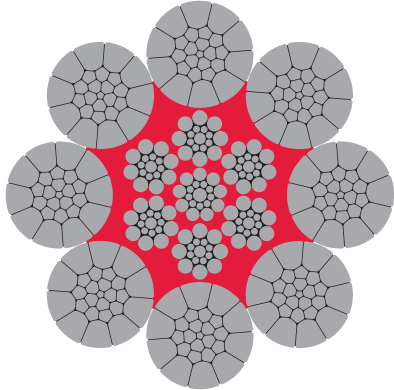
Friction (Koepe) hoists



Friction (Koepe) hoists
with diverter sheave



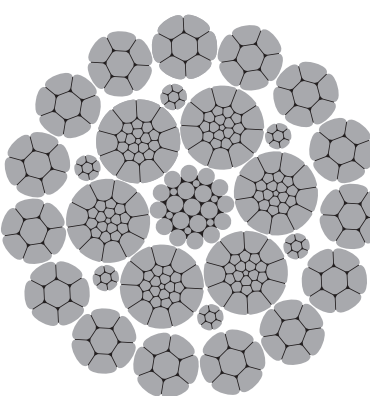
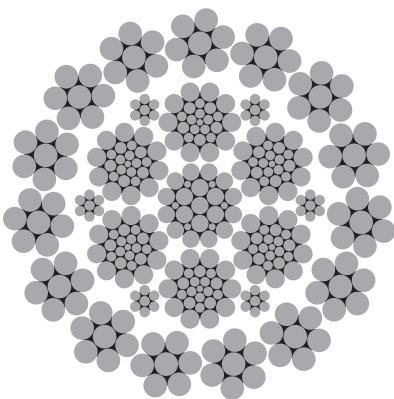
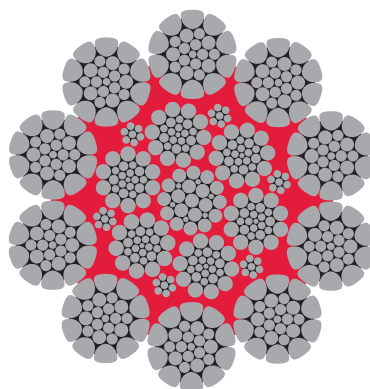
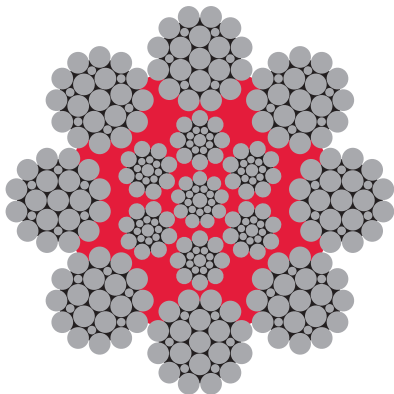
Double-drum hoists



**DIEPA MX-SERIES
DIEPA ML-SERIES**

Non-rotation-resistant

Special wire ropes
optimised for various
mining applications

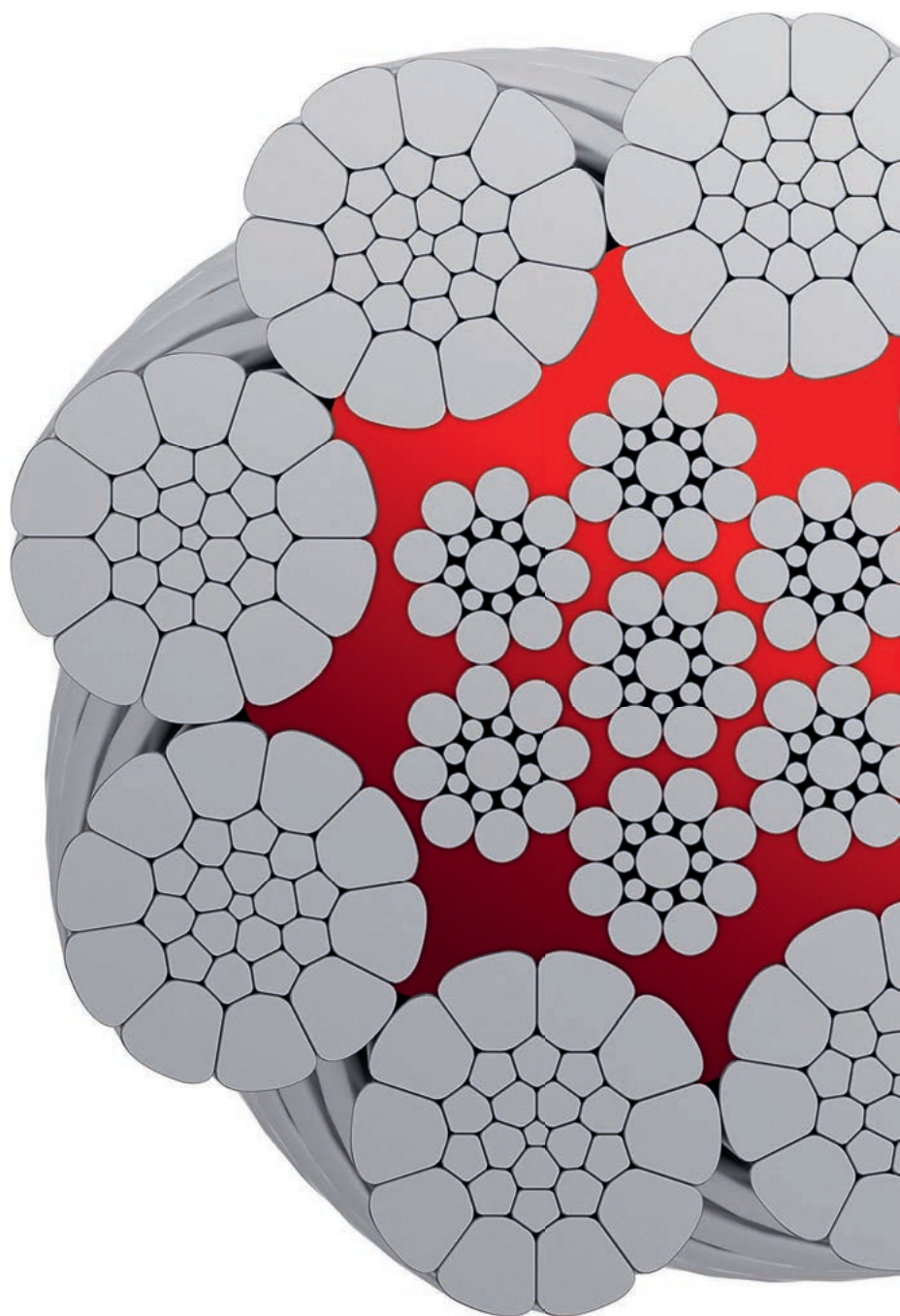


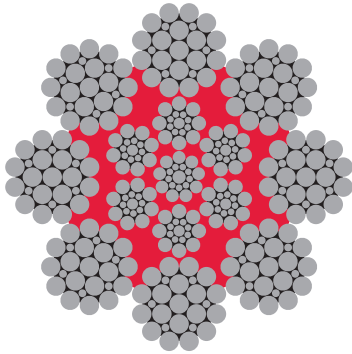
DIEPA MB-SERIES

Rotation-resistant

Special wire ropes
optimised for deep shaft
mining (>450 meters)

DIEPA MX-SERIES



**PRODUCT**DIEPA **MX4****PROPERTIES**

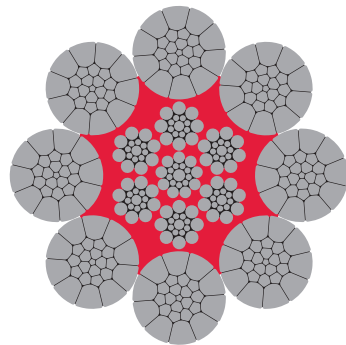
- Non-rotation resistant
- Non-compacted outer strands
- With or without plastic component
- Optimised for longevity

TECHNICAL DATALoad-bearing wires
in the outer strands

152	Ø 12–49 mm	RCN.06
288	Ø 50–69 mm	RCN.13
328	Ø 70–100 mm	RCN.13

fill factor 0.6226

spinning loss factor 0.8450

**PRODUCT**DIEPA **MX5****PROPERTIES**

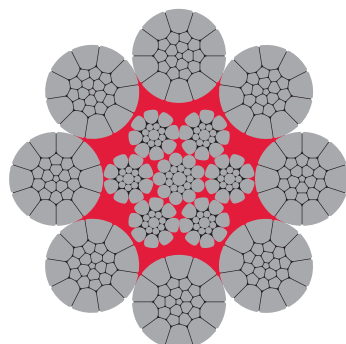
- Non-rotation resistant
- Compacted outer strands
- With or without plastic component
- Balance between longevity and breaking force

TECHNICAL DATALoad-bearing wires
in the outer strands

152	Ø 12–14 mm	RCN.04
208	Ø 15–44 mm	RCN.09
288	Ø 45–69 mm	RCN.13
328	Ø 70–100 mm	RCN.13

fill factor 0.6750

spinning loss factor 0.8500

**PRODUCT**DIEPA **MX6****PROPERTIES**

- Non-rotation resistant
- Compacted outer and inner strands
- With or without plastic component
- Optimised for breaking force
- Sustainable in rough conditions

TECHNICAL DATALoad-bearing wires
in the outer strands

152	Ø 12–14 mm	RCN.04
208	Ø 15–44 mm	RCN.09
288	Ø 45–69 mm	RCN.13
328	Ø 70–100 mm	RCN.13

fill factor 0.7100

spinning loss factor 0.8400

i For tailor-made rope constructions, please contact our technical department.

i Ropes will be modified and optimised to suit your application.

i Diameters and rope grades not listed on request.

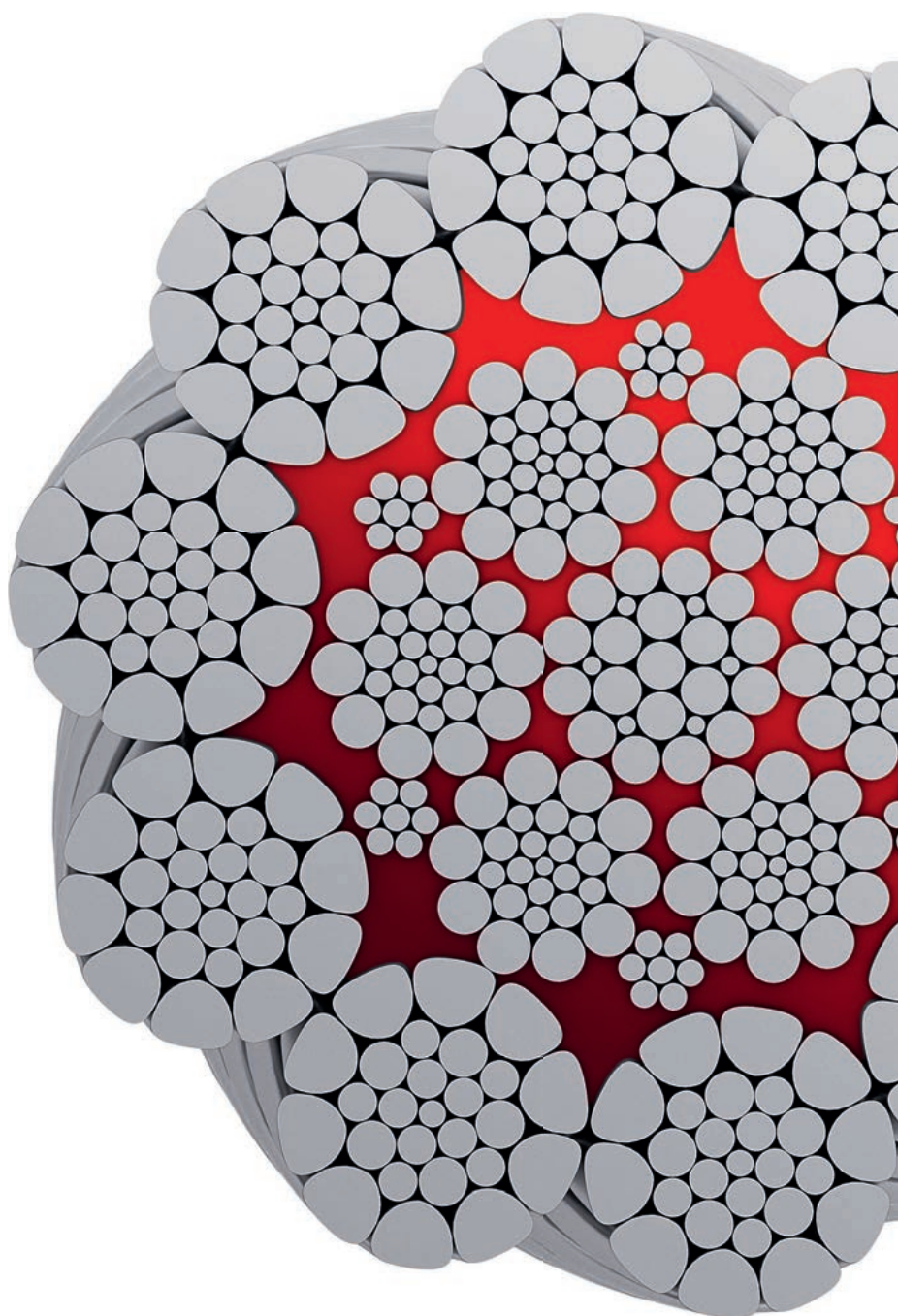
DIEPA MX4
DIEPA MX5
DIEPA MX6

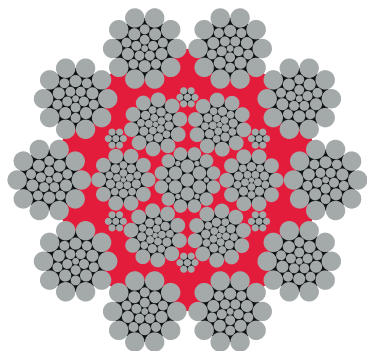
Diameter mm inch		DIEPA MX4			DIEPA MX5			DIEPA MX6		
		Weight kg/100m	Min. breaking force 1960 N/mm² kN lbs		Weight kg/100m	Min. breaking force 1960 N/mm² kN lbs		Weight kg/100m	Min. breaking force 1960 N/mm² kN lbs	
12		65	118	26 500	68	128	28 500	72	132	29 600
	½	73	130	29 200	76	142	32 000	81	148	33 200
13		76	136	30 500	80	150	33 500	85	155	34 900
14		85	152	34 100	92	173	38 800	98	180	40 400
	⅝	92	161	36 200	96	180	40 500	102	187	42 000
15		103	184	41 400	106	199	44 600	113	207	46 400
	⅝	113	205	46 100	119	223	50 000	126	231	51 900
16		116	208	46 800	121	226	50 700	128	235	52 900
17		130	233	52 300	136	255	57 300	145	265	59 700
18		146	262	58 900	153	286	64 200	163	297	66 800
19		161	289	65 000	170	319	71 600	181	332	74 600
	¾	163	291	65 300	171	321	72 000	182	333	75 000
20		178	320	71 800	189	354	79 300	201	367	82 500
21		195	351	78 800	208	389	87 500	221	405	91 000
22		223	401	90 000	228	428	96 100	243	444	99 900
	⅞	224	408	91 700	233	436	98 100	248	454	102 000
23		241	434	97 500	250	468	104 900	265	486	109 200
24		261	469	105 400	272	509	114 300	289	529	119 000
25		285	513	115 300	295	552	124 100	314	574	129 100
	1	290	529	118 700	304	570	128 100	324	592	133 200
26		307	552	124 100	319	597	134 200	339	621	139 600
27		326	587	131 900	344	643	144 700	366	669	150 600
28		358	645	144 800	370	693	155 600	393	720	161 900
	1⅕	367	670	150 500	385	721	162 200	410	749	168 500
29		382	689	154 700	397	743	166 900	422	772	173 700
30		409	736	165 400	425	795	178 600	452	827	185 900
31		434	781	175 400	457	855	192 200	482	882	198 400
	1¼	453	816	183 200	476	890	200 200	506	926	208 300
32		459	827	185 900	487	911	204 800	514	940	211 500
33		497	896	201 200	518	969	217 900	547	1 000	224 900
34		528	951	213 600	549	1 030	231 300	580	1 061	238 700
	1⅝	549	980	220 100	576	1 077	242 300	612	1 120	252 000
35		545	982	220 600	582	1 090	245 000	615	1 125	253 000
36		588	1 058	237 800	616	1 153	259 200	650	1 189	267 700
37		618	1 113	250 200	651	1 221	274 200	687	1 257	282 800
38		660	1 188	267 000	686	1 298	291 600	725	1 326	298 200
	1½	653	1 194	268 200	688	1 303	292 900	729	1 333	300 000
39		691	1 244	279 500	723	1 353	304 300	763	1 396	314 100
40		728	1 311	294 600	761	1 424	320 200	803	1 469	330 600
41		760	1 369	307 600	799	1 496	336 400	844	1 543	347 200
	1⅞	766	1 392	312 800	804	1 505	338 400	855	1 564	351 900
42		806	1 452	326 300	838	1 574	353 600	885	1 620	364 400
43		844	1 520	341 400	879	1 645	369 900	928	1 698	382 000
44		885	1 594	358 100	920	1 723	387 300	972	1 777	400 000
	1¾	889	1 615	362 800	932	1 745	392 500	992	1 814	408 100
45		911	1 640	368 800	955	1 788	402 200	1 016	1 859	418 400
46		956	1 723	387 100	1 006	1 883	423 500	1 062	1 943	437 300
47		994	1 789	402 300	1 042	1 951	438 800	1 109	2 028	456 300
	1⅞	1 020	1 837	412 700	1 070	2 003	450 600	1 138	2 082	468 600
48		1 035	1 864	418 900	1 095	2 050	461 000	1 156	2 115	476 000
49		1 080	1 944	437 300	1 133	2 121	476 900	1 205	2 204	496 100
50		1 125	2 027	455 400	1 188	2 224	500 300	1 255	2 295	516 500
	2	1 161	2 092	470 000	1 218	2 279	512 700	1 295	2 370	533 300
51		1 170	2 107	473 700	1 227	2 298	516 600	1 305	2 388	537 500
52		1 203	2 168	487 100	1 285	2 406	541 100	1 357	2 482	558 600
53		1 264	2 275	511 600	1 325	2 481	557 900	1 410	2 579	580 300
	2⅕	1 311	2 368	532 000	1 375	2 573	578 800	1 462	2 675	601 900
54		1 315	2 369	532 500	1 386	2 594	583 500	1 463	2 677	602 500
55		1 361	2 450	551 000	1 427	2 672	600 800	1 518	2 777	625 000

As of 06/2024 – We reserve the right to make alterations resulting from technical developments.
The representations are schematic and intended as examples. The actual construction depends on the rope diameter.
We can accept no liability for mistakes and printing errors

Diameter mm inch		DIEPA MX4			DIEPA MX5			DIEPA MX6		
		Weight kg/100m	Min. breaking force kN	1960 N/mm ² lbs	Weight kg/100m	Min. breaking force kN	1960 N/mm ² lbs	Weight kg/100m	Min. breaking force kN	1960 N/mm ² lbs
56		1 432	2 581	579 900	1 491	2 791	627 600	1 574	2 880	648 000
57		1 462	2 631	591 800	1 533	2 870	645 300	1 631	2 983	671 300
	2 1/4	1 469	2 652	595 900	1 541	2 885	648 900	1 639	2 999	674 900
58		1 531	2 758	619 700	1 599	2 993	673 200	1 688	3 089	695 100
59		1 566	2 819	634 000	1 642	3 074	691 400	1 747	3 196	719 300
60		1 640	2 954	663 900	1 711	3 203	720 400	1 807	3 305	743 900
	2 3/8	1 637	2 974	668 400	1 717	3 214	723 000	1 826	3 341	751 800
61		1 674	3 013	677 800	1 756	3 286	739 200	1 867	3 416	768 800
62		1 729	3 113	700 100	1 827	3 420	769 200	1 929	3 529	794 200
63		1 786	3 214	722 900	1 873	3 505	788 400	1 992	3 644	820 000
	2 1/2	1 814	3 268	734 500	1 903	3 561	801 100	2 024	3 702	833 100
64		1 843	3 317	746 100	1 947	3 645	819 700	2 056	3 761	846 300
65		1 901	3 421	769 600	1 993	3 732	839 400	2 120	3 879	873 000
66		1 960	3 528	793 500	2 071	3 876	871 800	2 186	3 999	900 100
	2 5/8	2 000	3 604	809 900	2 098	3 926	883 200	2 231	4 082	918 600
67		2 019	3 635	817 700	2 118	3 964	891 800	2 253	4 121	927 500
68		2 080	3 745	842 300	2 198	4 114	925 400	2 321	4 245	955 500
69		2 142	3 856	867 200	2 246	4 205	945 800	2 389	4 371	983 800
	2 3/4	2 195	3 955	888 800	2 302	4 309	969 300	2 449	4 480	1 008 200
70		2 204	3 968	892 600	2 329	4 360	980 600	2 459	4 499	1 012 600
71		2 268	4 082	918 200	2 378	4 452	1 001 400	2 530	4 628	1 041 600
72		2 332	4 198	944 300	2 446	4 579	1 029 900	2 602	4 759	1 071 100
73		2 397	4 315	970 700	2 514	4 706	1 058 700	2 674	4 892	1 101 000
	2 5/8	2 399	4 319	971 500	2 516	4 710	1 059 500	2 676	4 896	1 101 800
74		2 463	4 435	997 400	2 584	4 837	1 087 900	2 748	5 027	1 131 400
75		2 531	4 555	1 024 600	2 654	4 968	1 117 500	2 823	5 164	1 162 300
76		2 598	4 678	1 052 100	2 725	5 102	1 147 400	2 899	5 303	1 193 500
	3	2 612	4 702	1 057 800	2 740	5 128	1 153 600	2 914	5 331	1 199 700
77		2 667	4 801	1 080 000	2 797	5 237	1 177 900	2 976	5 443	1 225 100
78		2 737	4 927	1 108 300	2 871	5 374	1 208 600	3 053	5 586	1 257 200
79		2 808	5 055	1 136 900	2 945	5 512	1 239 800	3 132	5 730	1 289 500
	3 1/8	2 834	5 102	1 147 800	2 973	5 565	1 251 700	3 162	5 784	1 301 800
80		2 879	5 183	1 165 900	3 020	5 653	1 271 500	3 212	5 876	1 322 400
81		2 952	5 313	1 195 200	3 096	5 794	1 303 500	3 293	6 024	1 355 700
82		3 025	5 445	1 224 800	3 173	5 939	1 335 800	3 375	6 173	1 389 400
	3 1/4	3 066	5 519	1 241 400	3 215	6 019	1 353 900	3 420	6 256	1 408 000
83		3 099	5 580	1 254 900	3 250	6 084	1 368 600	3 457	6 324	1 423 400
84		3 174	5 715	1 285 300	3 329	6 232	1 401 700	3 541	6 478	1 458 000
85		3 250	5 852	1 316 100	3 409	6 381	1 435 400	3 626	6 633	1 493 000
	3 3/8	3 306	5 952	1 338 800	3 467	6 491	1 460 100	3 688	6 747	1 518 500
86		3 327	5 989	1 347 300	3 490	6 532	1 469 300	3 712	6 791	1 528 300
87		3 405	6 130	1 378 800	3 571	6 685	1 503 700	3 799	6 949	1 564 000
88		3 484	6 272	1 410 700	3 654	6 840	1 538 400	3 886	7 110	1 600 200
	3 1/2	3 555	6 401	1 439 800	3 729	6 980	1 570 200	3 966	7 256	1 633 100
89		3 563	6 415	1 443 000	3 737	6 996	1 573 700	3 975	7 272	1 636 700
90		3 644	6 560	1 475 600	3 822	7 154	1 609 200	4 065	7 437	1 673 700
91		3 725	6 707	1 508 600	3 907	7 314	1 645 200	4 156	7 603	1 711 100
92		3 808	6 855	1 541 800	3 994	7 476	1 681 500	4 248	7 771	1 749 000
	3 5/8	3 814	6 866	1 544 500	4 000	7 488	1 684 400	4 255	7 783	1 751 800
93		3 891	7 004	1 575 600	4 081	7 639	1 718 300	4 341	7 941	1 787 100
94		3 975	7 156	1 609 600	4 169	7 804	1 755 500	4 435	8 112	1 825 700
95		4 060	7 309	1 644 000	4 258	7 971	1 793 100	4 529	8 286	1 864 800
	3 3/4	4 081	7 348	1 652 800	4 281	8 013	1 802 500	4 553	8 329	1 874 700
96		4 146	7 464	1 678 900	4 348	8 140	1 831 000	4 625	8 461	1 904 400
97		4 233	7 620	1 714 000	4 439	8 310	1 869 300	4 722	8 639	1 944 300
98		4 321	7 778	1 749 600	4 531	8 482	1 908 100	4 820	8 817	1 984 500
	3 7/8	4 358	7 846	1 764 900	4 571	8 556	1 924 700	4 862	8 894	2 001 800
99		4 409	7 937	1 785 500	4 624	8 656	1 947 200	4 919	8 998	2 025 200
100		4 499	8 098	1 821 700	4 718	8 832	1 986 700	5 019	9 181	2 066 400

DIEPA ML-SERIES





PRODUCT

DIEPA **ML4**

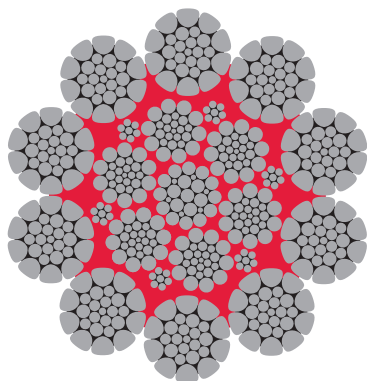
PROPERTIES

- Non-rotation resistant
- Non-compacted outer strands
- With or without plastic component
- 10-strand construction optimised for longevity

TECHNICAL DATA

Load-bearing wires
in the outer strands

260	Ø 20–59 mm	RCN.11
310	Ø 60–90 mm	RCN.13
410	Ø 91–127 mm	RCN.13
fill factor		0.6601
spinning loss factor		0.8500



PRODUCT

DIEPA **ML5**

PROPERTIES

- Non-rotation resistant
- Compacted outer strands
- With or without plastic component
- 10-strand construction optimised for breaking load

TECHNICAL DATA

Load-bearing wires
in the outer strands

260	Ø 20–59 mm	RCN.11
310	Ø 60–90 mm	RCN.13
410	Ø 91–127 mm	RCN.13
fill factor		0.6940
spinning loss factor		0.8400

- ❗ For tailor-made rope constructions, please contact our technical department.
- ❗ Ropes will be modified and optimised to suit your application.
- ❗ Diameters and rope grades not listed on request.

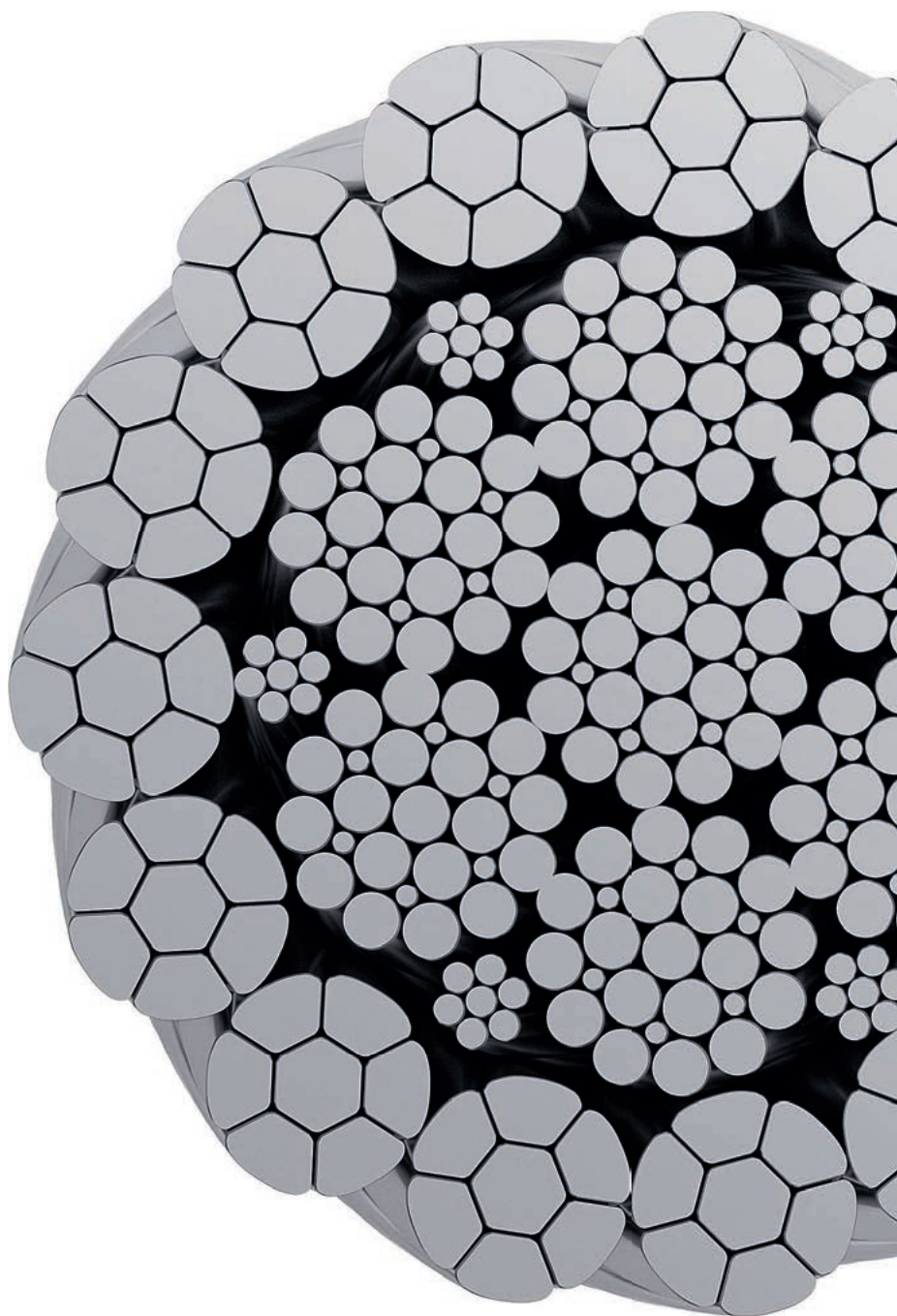
DIEPA ML4
DIEPA ML5

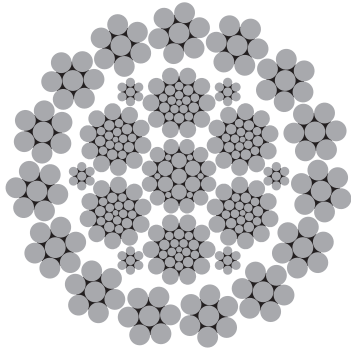
Diameter mm inch		DIEPA ML4			DIEPA ML5		
		Weight kg/100m	Min. breaking force 1960 N/mm ² kN	lbs	Weight kg/100m	Min. breaking force 1960 N/mm ² kN	lbs
20		187	345	77 500	196	359	80 600
21		206	381	85 500	216	396	88 800
22		226	418	93 800	237	434	97 500
	7/8	230	427	95 700	242	444	99 500
23		247	457	102 600	260	475	106 500
24		269	497	111 600	283	517	116 000
25		292	540	121 200	307	561	126 000
	1	301	558	125 100	316	579	130 000
26		315	584	131 000	332	606	136 200
27		340	630	141 400	358	654	147 000
28		366	677	152 000	385	704	158 000
	1 1/8	381	706	158 400	401	732	164 600
29		392	727	163 200	413	754	169 500
30		420	778	174 600	442	807	181 400
31		448	830	186 400	471	863	193 700
	1 1/4	470	870	195 500	495	905	203 100
32		478	885	198 700	502	919	206 400
33		508	941	211 300	534	977	219 500
34		539	999	224 300	567	1 037	233 100
	1 3/8	569	1 053	236 700	598	1 095	245 900
35		572	1 058	237 700	601	1 100	246 900
36		605	1 119	251 500	636	1 163	261 300
37		639	1 182	265 600	672	1 229	276 000
38		674	1 247	280 200	708	1 296	291 100
	1 1/2	677	1 254	281 600	712	1 303	292 600
39		710	1 314	295 200	746	1 365	306 600
40		747	1 382	310 500	785	1 436	322 600
41		784	1 452	326 200	825	1 509	339 000
	1 5/8	795	1 471	330 500	836	1 529	343 500
42		823	1 523	342 300	865	1 583	355 600
43		863	1 597	358 800	907	1 659	372 800
44		903	1 672	375 700	950	1 737	390 300
	1 3/4	922	1 707	383 500	969	1 773	398 400
45		945	1 749	393 000	993	1 817	408 400
46		987	1 828	410 700	1 038	1 899	426 700
47		1 031	1 908	428 700	1 084	1 982	445 400
	1 7/8	1 058	1 959	440 200	1 113	2 035	457 400
48		1 075	1 990	447 100	1 130	2 067	464 600
49		1 120	2 074	466 000	1 178	2 155	484 100
50		1 166	2 159	485 200	1 226	2 244	504 100
	2	1 204	2 229	500 900	1 266	2 316	520 400
51		1 214	2 247	504 800	1 276	2 334	524 400
52		1 262	2 336	524 800	1 326	2 427	545 300
53		1 311	2 426	545 200	1 378	2 521	566 400
	2 1/8	1 359	2 516	565 500	1 429	2 614	587 400
54		1 361	2 519	566 000	1 430	2 617	588 000
55		1 411	2 613	587 100	1 484	2 715	610 000
56		1 463	2 709	608 600	1 538	2 814	632 400
57		1 516	2 806	630 600	1 594	2 916	655 200
	2 1/4	1 524	2 821	634 000	1 602	2 931	658 700
58		1 570	2 905	652 900	1 650	3 019	678 400
59		1 624	3 006	675 600	1 708	3 124	701 900
60		1 680	3 109	698 700	1 766	3 231	726 000
	2 3/8	1 698	3 143	706 300	1 785	3 266	733 900
61		1 736	3 214	722 200	1 825	3 339	750 300
62		1 794	3 320	746 100	1 886	3 450	775 200
63		1 852	3 428	770 300	1 947	3 562	800 400
	2 1/2	1 881	3 482	782 600	1 978	3 619	813 200
64		1 911	3 538	795 000	2 009	3 676	826 000

As of 06/2024 – We reserve the right to make alterations resulting from technical developments.
The representations are schematic and intended as examples. The actual construction depends on the rope diameter.
We can accept no liability for mistakes and printing errors

Diameter mm inch		DIEPA ML4			DIEPA ML5		
		Weight kg/100m	Min. breaking force kN	1960 N/mm ² lbs	Weight kg/100m	Min. breaking force kN	1960 N/mm ² lbs
65		1 971	3 649	820 000	2 073	3 792	852 000
66		2 032	3 762	845 500	2 137	3 909	878 500
	2 5/8	2 074	3 839	863 000	2 181	3 989	896 600
67		2 095	3 877	871 400	2 202	4 029	905 300
68		2 158	3 994	897 600	2 268	4 150	932 500
69		2 221	4 112	924 200	2 336	4 272	960 200
	2 3/4	2 277	4 214	947 000	2 393	4 378	983 900
70		2 286	4 232	951 100	2 404	4 397	988 200
71		2 352	4 354	978 500	2 473	4 523	1 016 600
72		2 419	4 478	1 006 300	2 543	4 652	1 045 500
73		2 486	4 603	1 034 400	2 614	4 782	1 074 700
	2 7/8	2 488	4 606	1 035 100	2 616	4 785	1 075 400
74		2 555	4 729	1 062 900	2 686	4 914	1 104 400
75		2 625	4 859	1 091 800	2 759	5 048	1 134 400
76		2 695	4 989	1 121 200	2 833	5 184	1 164 900
	3	2 709	5 015	1 127 100	2 848	5 211	1 171 000
77		2 766	5 121	1 150 900	2 909	5 321	1 195 700
78		2 839	5 255	1 180 900	2 985	5 460	1 226 900
79		2 912	5 391	1 211 500	3 062	5 600	1 258 700
	3 1/8	2 940	5 442	1 222 900	3 091	5 654	1 270 600
80		2 986	5 528	1 242 300	3 140	5 743	1 290 700
82		3 137	5 808	1 305 100	3 299	6 034	1 356 100
	3 1/4	3 180	5 886	1 322 700	3 343	6 115	1 374 400
84		3 292	6 095	1 369 600	3 461	6 332	1 423 000
	3 3/8	3 429	6 347	1 426 500	3 605	6 595	1 482 100
86		3 451	6 388	1 435 600	3 628	6 637	1 491 600
88		3 613	6 689	1 503 300	3 799	6 949	1 561 800
	3 1/2	3 688	6 826	1 534 100	3 877	7 092	1 593 900
90		3 779	6 996	1 572 300	3 974	7 269	1 633 700
92		3 949	7 311	1 643 000	4 152	7 595	1 707 000
	3 5/8	3 956	7 323	1 645 600	4 159	7 608	1 709 800
94		4 123	7 632	1 715 200	4 335	7 930	1 782 000
	3 3/4	4 233	7 836	1 761 200	4 451	8 141	1 829 800
96		4 300	7 960	1 788 900	4 521	8 271	1 858 700
98		4 481	8 295	1 864 300	4 711	8 618	1 937 000
	3 7/8	4 520	8 367	1 880 500	4 752	8 693	1 953 900
100		4 666	8 637	1 941 200	4 906	8 974	2 016 900
	4	4 816	8 916	2 003 700	5 064	9 264.0	2 081 900
102		4 854	8 986	2 019 600	5 104	9 337.0	2 098 400
104		5 047	9 342	2 099 500	5 306	9 706.0	2 181 400
	4 1/8	5 122	9 482	2 131 000	5 385	9 852.0	2 214 100
106		5 243	9 704	2 181 100	5 512	10 083.0	2 266 200
	4 1/4	5 437	10 065	2 262 100	5 717	10 457.0	2 350 400
108		5 442	10 074	2 264 200	5 722	10 467.0	2 352 500
110		5 646	10 451	2 348 800	5 936	10 859.0	2 440 400
	4 3/8	5 762	10 666	2 397 100	6 058	11 082.0	2 490 600
112		5 853	10 835	2 435 000	6 154	11 257.0	2 530 000
114		6 064	11 225	2 522 800	6 375	11 663.0	2 621 100
	4 1/2	6 096	11 284	2 536 100	6 409	11 724.0	2 635 000
116		6 279	11 622	2 612 100	6 601	12 075.0	2 713 900
	4 5/8	6 439	11 920	2 678 900	6 770	12 384.0	2 783 400
118		6 497	12 027	2 703 000	6 831	12 495.0	2 808 300
120		6 719	12 437	2 795 300	7 064	12 923.0	2 904 300
	4 3/4	6 792	12 572	2 825 700	7 141	13 063.0	2 935 800
122		6 945	12 855	2 889 300	7 301	13 357.0	3 001 900
	4 7/8	7 154	13 243	2 976 400	7 522	13 759.0	3 092 500
124		7 174	13 280	2 984 800	7 543	13 799.0	3 101 100
126		7 408	13 712	3 081 900	7 788	14 247.0	3 202 000
	5	7 526	13 931	3 130 900	7 912	14 474.0	3 253 000

DIEPA MB-SERIES



**PRODUCT**DIEPA **MB4****PROPERTIES**

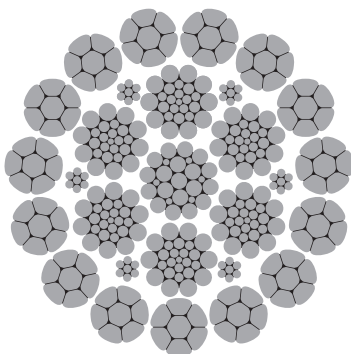
- Rotation resistant
- Non-compacted outer strands
- Optimised for longevity

TECHNICAL DATALoad-bearing wires
in the outer strands

105	Ø 15–49 mm	RCN.23-2
255	Ø 50–99 mm	RCN.27
540	Ø 100–120 mm	RCN.31

fill factor 0.6511

spinning loss factor 0.7800

**PRODUCT**DIEPA **MB5****PROPERTIES**

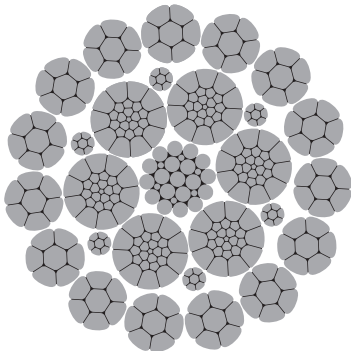
- Rotation resistant
- Compacted outer strands
- High breaking force

TECHNICAL DATALoad-bearing wires
in the outer strands

105	Ø 15–49 mm	RCN.23-2
255	Ø 50–99 mm	RCN.27
540	Ø 100–120 mm	RCN.31

fill factor 0.7145

spinning loss factor 0.8350

**PRODUCT**DIEPA **MB6****PROPERTIES**

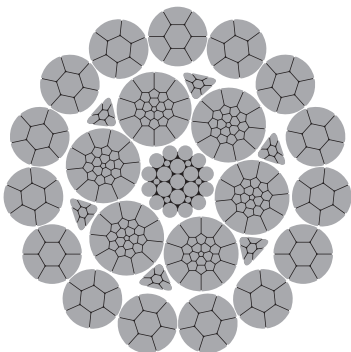
- Rotation resistant
- Compacted outer and inner strands
- Very high breaking force

TECHNICAL DATALoad-bearing wires
in the outer strands

105	Ø 15–49 mm	RCN.23-2
208	Ø 50–70 mm	RCN.27

fill factor 0.7357

spinning loss factor 0.8450

**PRODUCT**DIEPA **MB7****PROPERTIES**

- Rotation resistant
- Compacted outer and inner strands
- Extremely high breaking force
- Optimised for breaking force

TECHNICAL DATALoad-bearing wires
in the outer strands

105	Ø 15–49 mm	RCN.23-2
208	Ø 50–70 mm	RCN.27

fill factor 0.7550

spinning loss factor 0.8450

i For tailor-made rope constructions, please contact our technical department.

i Ropes will be modified and optimised to suit your application.

i Diameters and rope grades not listed on request.

DIEPA MB4
DIEPA MB5
DIEPA MB6
DIEPA MB7

Diameter mm inch		DIEPA MB4			DIEPA MB5			DIEPA MB6			DIEPA MB7		
		Weight kg/100m	Min. breaking force 1960 N/mm ²		Weight kg/100m	Min. breaking force 1960 N/mm ²		Weight kg/100m	Min. breaking force 1960 N/mm ²		Weight kg/100m	Min. breaking force 1960 N/mm ²	
			kN	lbs		kN	lbs		kN	lbs		kN	lbs
	5/8	112	197	44 300	122	231	52 000	126	241	54 100	129	248	55 600
16		113	200	45 000	124	235	52 900	128	245	55 000	131	252	56 600
17		128	226	50 800	140	266	59 700	144	276	62 100	148	284	63 800
18		143	254	57 000	157	297	66 800	162	310	69 700	166	319	71 600
19		160	282	63 400	175	331	74 500	180	346	77 700	185	355	79 800
	3/4	161	284	63 800	176	333	74 900	181	347	78 100	185	357	80 100
20		177	313	70 300	194	367	82 600	200	383	86 100	204	393	88 300
21		195	345	77 500	214	405	91 000	220	422	94 800	225	433	97 500
22		214	378	85 000	235	444	99 900	242	463	104 100	247	476	107 000
	7/8	219	386	86 800	240	453	102 000	247	472	106 300	252	485	109 000
23		234	413	92 900	257	486	109 300	264	506	113 900	270	520	116 900
24		255	450	101 200	280	529	119 100	288	551	123 900	294	565	127 100
25		277	488	109 800	303	574	129 000	312	598	134 600	319	613	138 000
	1	285	505	113 500	313	593	133 400	322	618	139 000	330	634	142 600
26		299	529	119 000	328	621	139 700	337	647	145 600	346	664	149 400
27		323	570	128 300	354	670	150 700	364	698	157 000	373	716	161 000
28		347	613	137 900	381	720	161 900	391	750	168 800	401	770	173 200
	1 1/8	361	638	143 500	396	750	168 700	408	782	175 800	417	802	180 400
29		372	658	147 900	408	772	173 700	420	804	180 900	430	826	185 800
30		398	704	158 300	437	827	186 000	449	861	193 700	460	884	198 900
31		425	751	169 000	467	883	198 600	480	919	206 800	491	944	212 400
	1 1/4	446	788	177 200	489	926	208 400	503	965	217 100	515	990	222 800
32		453	800	180 100	497	940	211 500	511	980	220 500	523	1 006	226 200
33		482	851	191 400	529	1 000	225 100	544	1 042	234 400	557	1 070	240 700
34		512	904	203 400	561	1 061	238 800	577	1 106	248 900	591	1 136	255 600
	1 3/8	540	954	214 600	592	1 121	252 100	609	1 167	262 600	623	1 198	269 600
35		542	958	215 500	595	1 125	253 000	612	1 172	263 700	626	1 203	270 800
36		573	1 013	227 900	629	1 190	267 700	647	1 240	279 100	662	1 273	286 300
37		606	1 070	240 800	665	1 258	282 900	683	1 310	294 700	700	1 344	302 500
38		639	1 129	253 900	701	1 326	298 400	721	1 382	310 900	738	1 418	319 000
	1 1/2	642	1 135	255 300	705	1 333	300 000	725	1 389	312 600	742	1 426	320 800
39		673	1 189	267 500	739	1 397	314 300	759	1 456	327 600	777	1 494	336 200
40		708	1 251	281 500	777	1 470	330 700	799	1 531	344 500	818	1 572	353 700
41		744	1 314	295 700	816	1 544	347 400	839	1 609	362 000	859	1 651	371 600
	1 5/8	754	1 332	299 800	827	1 565	352 100	851	1 630	366 800	871	1 673	376 500
42		781	1 379	310 300	857	1 620	364 500	881	1 688	379 900	902	1 732	389 800
43		818	1 445	325 200	898	1 698	382 200	923	1 769	398 200	945	1 816	408 600
44		857	1 513	340 500	940	1 778	400 000	967	1 853	417 000	990	1 901	427 900
	1 3/4	874	1 544	347 500	959	1 814	408 300	986	1 891	425 600	1 010	1 940	436 600
45		896	1 583	356 300	983	1 860	418 500	1 011	1 938	436 100	1 035	1 989	447 600
46		936	1 654	372 200	1 027	1 943	437 200	1 056	2 025	455 600	1 082	2 078	467 600
47		977	1 727	388 600	1 073	2 029	456 600	1 103	2 114	475 800	1 129	2 169	488 100
	1 7/8	1 004	1 773	399 000	1 101	2 083	468 800	1 132	2 171	488 500	1 159	2 227	501 300
48		1 020	1 801	405 300	1 119	2 116	476 200	1 150	2 205	496 100	1 178	2 263	509 200
49		1 062	1 877	422 300	1 166	2 205	496 300	1 199	2 298	517 000	1 227	2 358	530 700
50		1 106	1 955	439 900	1 214	2 296	516 700	1 248	2 392	538 300	1 278	2 456	552 600
	2	1 142	2 018	454 100	1 253	2 370	533 300	1 288	2 470	555 900	1 319	2 534	570 300
51		1 151	2 033	457 600	1 263	2 389	537 600	1 299	2 489	560 200	1 329	2 554	574 900
52		1 196	2 114	475 700	1 313	2 483	558 800	1 350	2 587	582 200	1 382	2 656	597 700
53		1 243	2 196	494 100	1 364	2 580	580 600	1 402	2 688	604 900	1 436	2 759	620 900
	2 1/8	1 289	2 278	512 600	1 415	2 675	602 100	1 454	2 788	627 400	1 489	2 861	643 900
54		1 290	2 280	513 100	1 416	2 678	602 700	1 456	2 790	628 000	1 491	2 864	644 400
55		1 339	2 365	532 200	1 469	2 778	625 200	1 510	2 895	651 500	1 546	2 971	668 600
56		1 388	2 452	551 700	1 523	2 880	648 100	1 566	3 001	675 400	1 603	3 080	693 200
57		1 438	2 540	571 500	1 578	2 984	671 600	1 622	3 110	699 800	1 661	3 191	718 000
	2 1/4	1 445	2 554	574 700	1 586	2 999	675 000	1 631	3 126	703 400	1 669	3 208	721 900
58		1 489	2 630	591 900	1 633	3 090	695 300	1 679	3 219	724 500	1 719	3 304	743 600
59		1 540	2 721	612 500	1 690	3 197	719 600	1 738	3 331	749 600	1 779	3 419	769 400
60		1 593	2 814	633 300	1 748	3 307	744 200	1 797	3 445	775 300	1 840	3 535	795 700

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The representations are schematic and intended as examples. The actual construction depends on the rope diameter.
We can accept no liability for mistakes and printing errors

Diameter mm inch		DIEPA MB4			DIEPA MB5			DIEPA MB6			DIEPA MB7		
		Weight kg/100m	Min. breaking force 1960 N/mm²		Weight kg/100m	Min. breaking force 1960 N/mm²		Weight kg/100m	Min. breaking force 1960 N/mm²		Weight kg/100m	Min. breaking force 1960 N/mm²	
			kN	lbs		kN	lbs		kN	lbs		kN	lbs
	2⅜	1 611	2 845	640 200	1 767	3 343	752200	1 817	3 482	783700	1 860	3 574	804 200
61		1 647	2 909	654 800	1 807	3 418	769200	1 858	3 561	801300	1 902	3 655	822 500
62		1 701	3 005	676 400	1 867	3 530	794500	1 919	3 678	827800	1 965	3 775	849 700
63		1 757	3 103	698 300	1 928	3 645	820300	1 981	3 798	854800	2 029	3 898	877 200
	2½	1 785	3 152	709 400	1 958	3 703	833400	2 013	3 859	868500	2 061	3 960	891 200
64		1 813	3 202	720 600	1 989	3 762	846600	2 045	3 920	882200	2 094	4 023	905 500
65		1 870	3 303	743 400	2 052	3 880	873300	2 109	4 043	910000	2 160	4 149	933 800
66		1 928	3 405	766 400	2 116	4 000	900300	2 175	4 168	938200	2 227	4 278	962 800
	2⅝	1 968	3 476	782 200	2 159	4 083	919000	2 219	4 255	957500	2 272	4 366	982 600
67		1 987	3 509	789 800	2 180	4 122	927800	2 241	4 296	966900	2 295	4 408	992 100
68		2 047	3 615	813 600	2 246	4 247	955800	2 308	4 425	996000	2 364	4 541	1022000
69		2 107	3 722	837 700	2 312	4 373	984200	2 377	4 556	1025400	2 434	4 675	1052200
	2¾	2 159	3 814	858 400	2 370	4 481	1008400	2 436	4 669	1050900	2 494	4 792	1078500
70		2 169	3 831	862 100	2 380	4 500	1012700	2 446	4 689	1055300	2 505	4 812	1083100
71		2 231	3 941	887 000	2 448	4 630	1042000	On request					
72		2 294	4 053	912 200	2 518	4 761	1071600						
73		2 359	4 166	937 600	2 588	4 894	1101400						
	2⅞	2 360	4 169	938 300	2 590	4 897	1102200						
74		2 424	4 281	963 600	2 660	5 029	1131900						
75		2 490	4 398	989 700	2 732	5 166	1162700	On request					
76		2 556	4 515	1 016 200	2 805	5 305	1193900						
	3	2 570	4 540	1 021 700	2 820	5 332	1200100						
77		2 624	4 636	1 043 300	2 880	5 445	1225500						
78		2 693	4 756	1 070 500	2 955	5 588	1257600						
79		2 762	4 879	1 098 000	3 031	5 731	1289900	On request					
	3⅛	2 789	4 926	1 108 600	3 060	5 787	1302300						
80		2 833	5 004	1 126 100	3 108	5 878	1322800						
82		2 975	5 256	1 183 100	3 266	6 176	1389900						
	3¼	3 015	5 327	1 199 000	3 310	6 258	1408500						
84		3 122	5 516	1 241 500	3 427	6 480	1458500	On request					
	3⅝	3 252	5 745	1 293 100	3 569	6 749	1519100						
86		3 273	5 782	1 301 400	3 592	6 793	1528800						
88		3 427	6 054	1 362 600	3 761	7 113	1600800						
	3½	3 497	6 178	1 390 500	3 839	7 259	1633700						
90		3 584	6 333	1 425 300	3 934	7 439	1674300	On request					
92		3 745	6 617	1 489 200	4 111	7 773	1749400						
	3⅞	3 751	6 628	1 491 600	4 118	7 786	1752400						
94		3 910	6 908	1 554 700	4 292	8 115	1826500						
	3¾	4 015	7 093	1 596 300	4 406	8 332	1875400						
96		4 078	7 205	1 621 600	4 476	8 464	1905100	On request					
98		4 250	7 508	1 689 900	4 665	8 820	1985200						
	3⅞	4 287	7 574	1 704 600	4 705	8 897	2002400						
100		4 425	7 818	1 759 600	4 857	9 184	2067100						
	4	4 568	8 070	1 816 300	5 014	9 481	2133800						
102		4 604	8 134	1 830 700	5 053	9 555	2150500	On request					
104		4 786	8 456	1 903 200	5 253	9 933	2235700						
	4⅛	4 858	8 582	1 931 600	5 332	10 082	2269100						
106		4 972	8 784	1 977 100	5 457	10 319	2322500						
	4¼	5 156	9 110	2 050 500	5 660	10 702	2408800						
108		5 161	9 119	2 052 400	5 665	10 712	2411000	On request					
110		5 354	9 460	2 129 100	5 877	11 113	2501200						
	4⅝	5 464	9 654	2 172 900	5 998	11 341	2552500						
112		5 551	9 807	2 207 300	6 092	11 520	2593000						
114		5 751	10 160	2 286 800	6 312	11 935	2686300						
	4½	5 781	10 213	2 298 700	6 345	11 998	2700400	On request					
116		5 954	10 520	2 367 700	6 535	12 358	2781400						
	4⅝	6 107	10 789	2 428 200	6 703	12 674	2852600						
118		6 161	10 886	2 450 100	6 763	12 788	2878200						
120		6 372	11 258	2 533 800	6 994	13 225	2976600						

ROPE TERMINATIONS FOR INSTALLATION

Tailor-made rope terminations for installation meeting the requirements of ISO 16841



PULLING EYES

- Available in various designs and sizes
- **For single use**
- Marked with safe work load limit according to **ISO 16841**



BECKET LOOPS

- Tailor-made rope terminations
- **For single use**
- Tested to determine the safe work load limit according to **ISO 16841**



DIEPA EASY REEVE SYSTEM

- Combined rope termination **for installation and permanent use!**

i For more information see our separate brochure!

ROPE TERMINATIONS FOR PERMANENT USE

Tailor-made rope terminations for permanent use according to EN 13411



WEDGE SOCKETS

- **80%** rope breaking force efficiency
- Execution according to **EN 13411-6/7**



SWAGINGS

- Executed with aluminium or steel ferrule
- **90%** rope breaking force efficiency
- Execution according to **EN 13411-3**



SOCKETING

- Executed with resin or molten metal
- **100%** rope breaking force efficiency
- Execution according to **EN 13411-4**

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