



Diepa[®]

PORT APPLICATION ROPES

**DIEPA RELIABLE WIRE 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 port sector we offer our expertise gained over years to designers, operators and users of port equipment and applications.





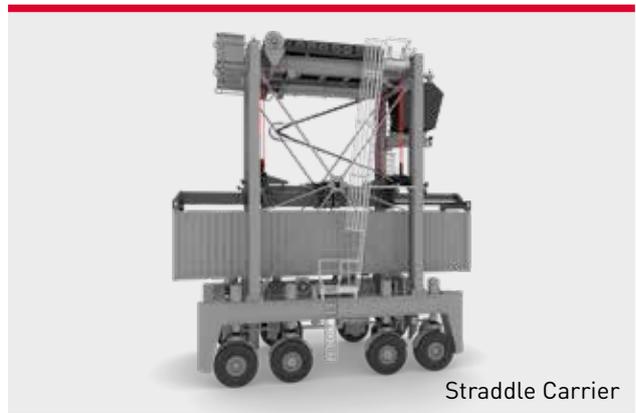
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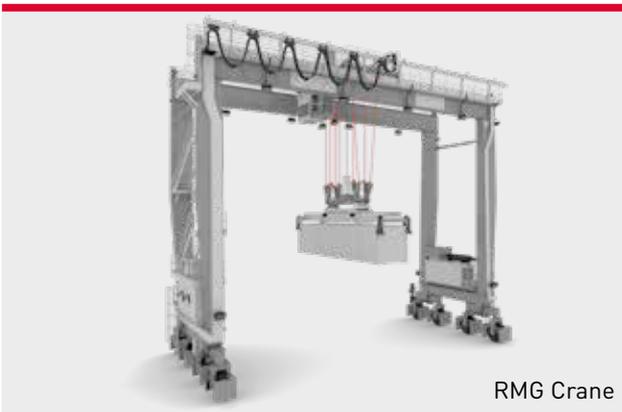
**RELIABLE
WIRE ROPES
FOR THE
PORT
INDUSTRY**



STS Crane



Straddle Carrier

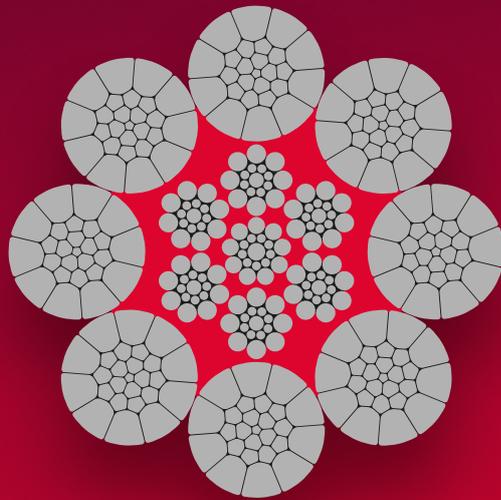


RMG Crane



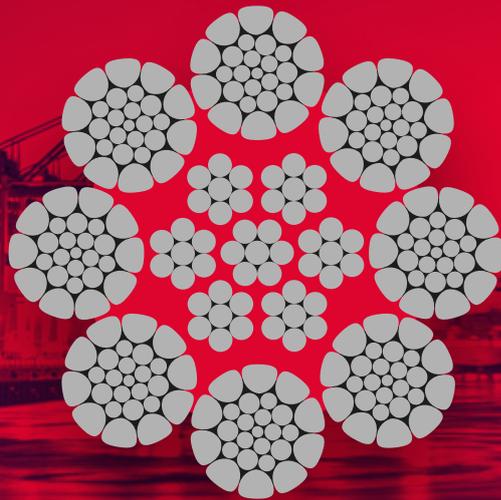
Harbour Crane

With optimised rope constructions for the port sector we offer our expertise gained over the years to designers, operators and users of STS, RMG, MHC, ASC and other related high duty equipment and applications.



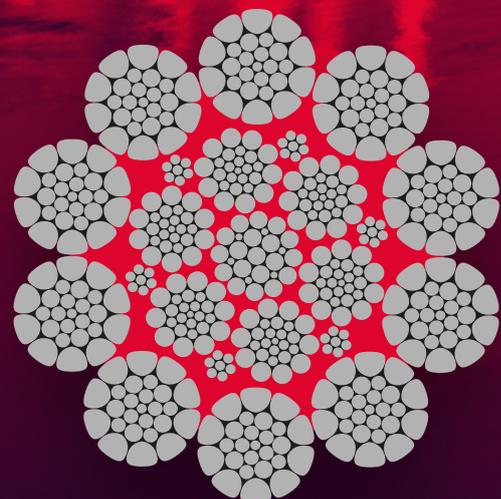
DIEPA X 53

standard variant



DIEPA X 53 E

eco variant

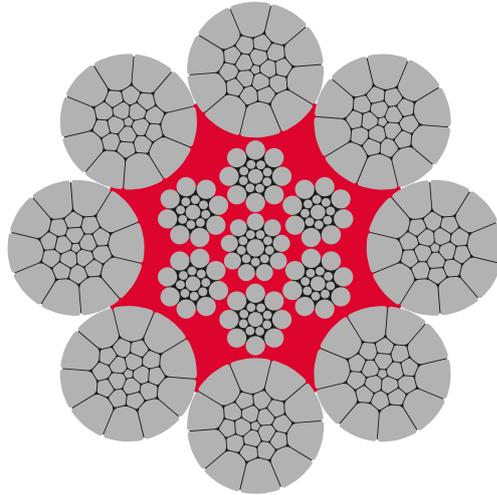
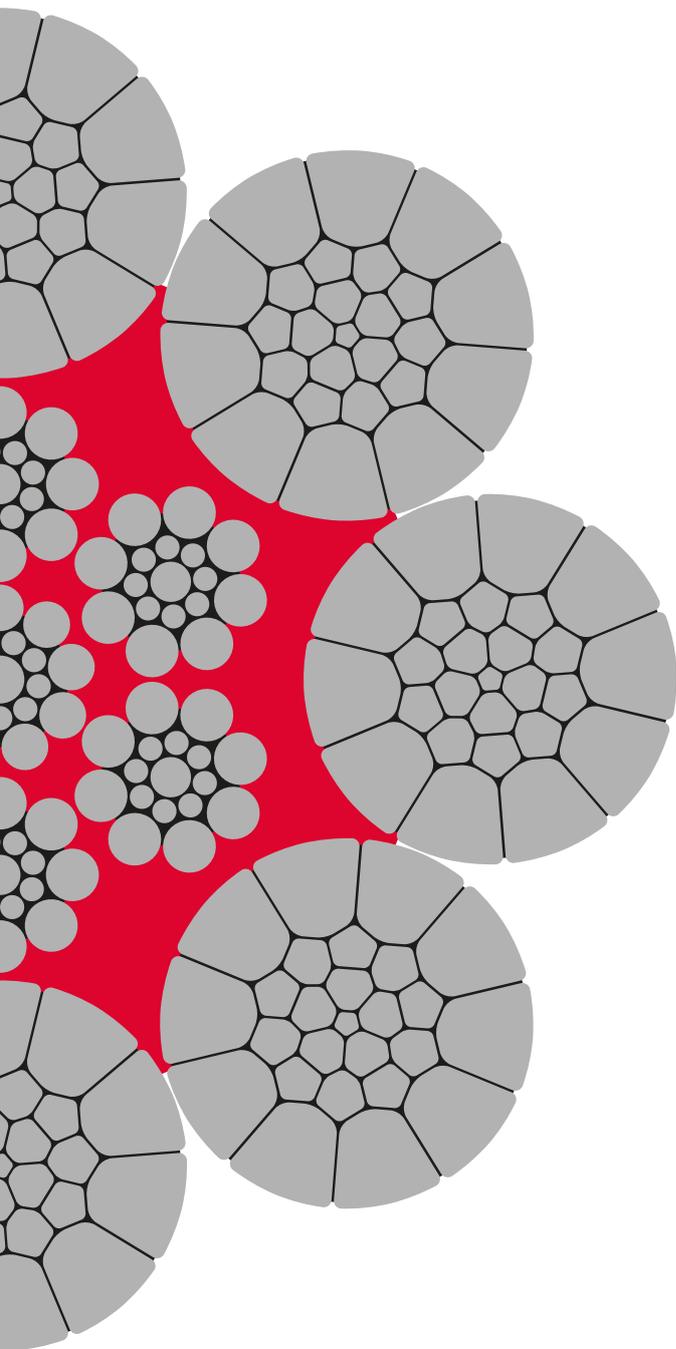


DIEPA L 53

premium variant

DIEPA X 53

standard variant



ROPE DESIGN OPTIONS

DIEPA X 53

Ordinary lay with internal plastic component

PROPERTIES

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

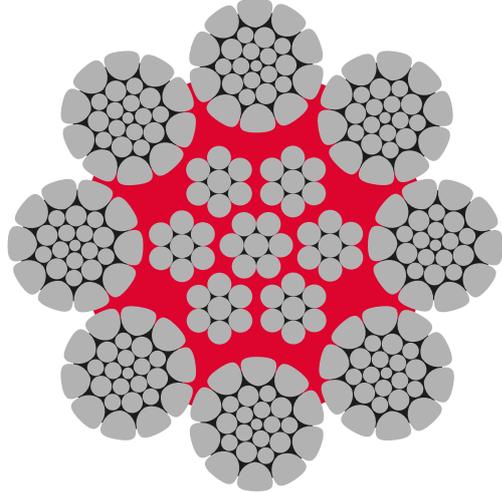
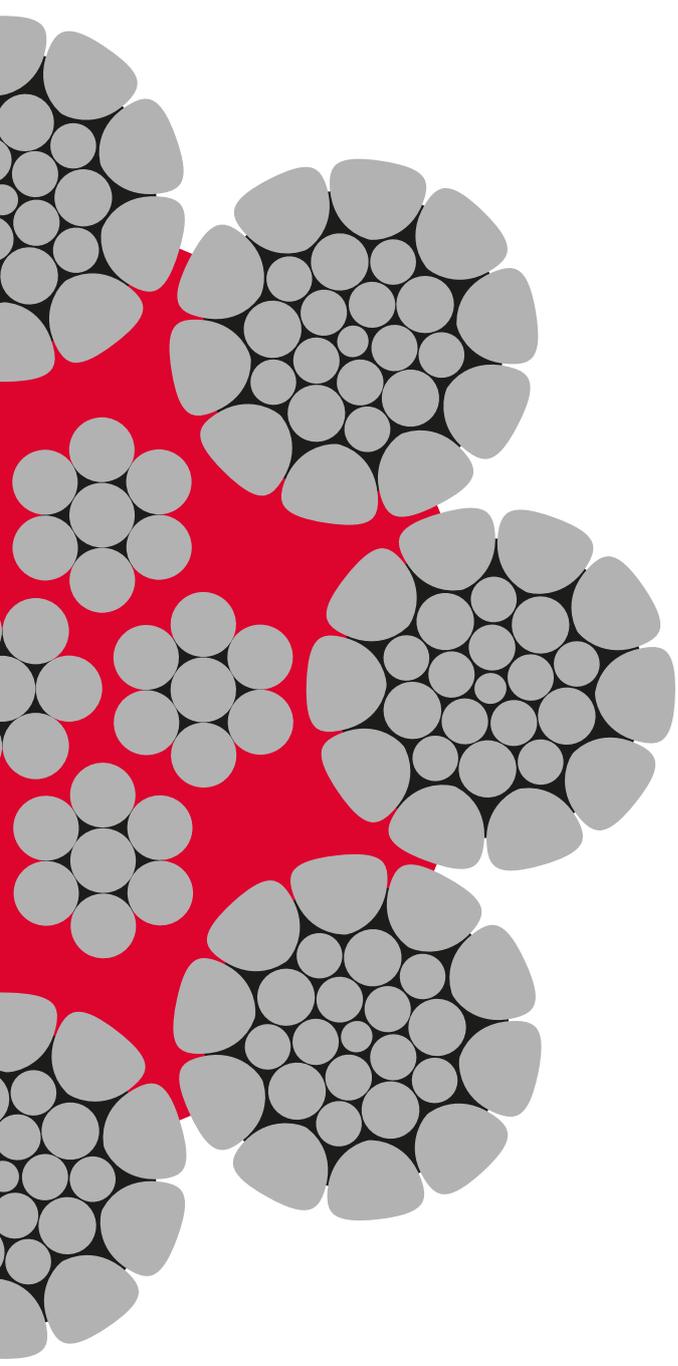
TECHNICAL DATA

| | | | |
|----------------------|--------|---------------------------|--------|
| Load-bearing wires | 152 | Ø 12 – 14 mm | RCN.04 |
| in outer strands/ | 208 | Ø 15 – 43 mm | RCN.09 |
| RCN acc. to ISO 4309 | 288 | Ø 44 – 54 mm | RCN.13 |
| Total number | 201 | Ø 12 – 14 mm | |
| of wires | 329 | Ø 15 – 43 mm | |
| | 409 | Ø 44 – 54 mm | |
| Fill factor | 0.6750 | | |
| Spinning loss factor | 0.8500 | at 1770 N/mm ² | |
| | 0.8500 | at 1960 N/mm ² | |
| | 0.8400 | at 2160 N/mm ² | |

| Diameter | | Weight kg/100m | Min. breaking force 1770 N/mm ² | | | Min. breaking force 1960 N/mm ² | | | Min. breaking force 2160 N/mm ² | | |
|----------|------|-------------------|--|-------------|---------|--|-------------|---------|--|-------------|---------|
| mm | inch | | kN | metric tons | lbs | kN | metric tons | lbs | kN | metric tons | lbs |
| 12 | | 68 | 115 | 11.7 | 25 500 | 128 | 13.0 | 28 500 | 139 | 14.2 | 30 900 |
| | ½ | 76 | 129 | 13.1 | 28 800 | 142 | 14.5 | 32 000 | 155 | 15.8 | 34 800 |
| 13 | | 80 | 135 | 13.8 | 30 000 | 150 | 15.3 | 33 500 | 163 | 16.6 | 36 300 |
| 14 | | 92 | 156 | 15.9 | 34 900 | 173 | 17.6 | 38 800 | 188 | 19.2 | 42 200 |
| | ⅜ | 96 | 163 | 16.6 | 36 400 | 180 | 18.3 | 40 500 | 196 | 20.0 | 44 000 |
| 15 | | 106 | 179 | 18.2 | 40 100 | 199 | 20.3 | 44 600 | 217 | 22.1 | 48 500 |
| | ⅝ | 119 | 201 | 20.5 | 45 000 | 223 | 22.7 | 50 000 | 242 | 24.7 | 54 400 |
| 16 | | 121 | 204 | 20.8 | 45 600 | 226 | 23.0 | 50 700 | 246 | 25.1 | 55 200 |
| 17 | | 136 | 230 | 23.4 | 51 500 | 255 | 26.0 | 57 300 | 278 | 28.3 | 62 300 |
| 18 | | 153 | 258 | 26.3 | 57 800 | 286 | 29.2 | 64 200 | 312 | 31.8 | 69 800 |
| 19 | | 170 | 288 | 29.4 | 64 300 | 319 | 32.5 | 71 600 | 347 | 35.4 | 77 900 |
| | ¾ | 171 | 289 | 29.5 | 64 800 | 321 | 32.7 | 72 000 | 349 | 35.6 | 78 300 |
| 20 | | 189 | 319 | 32.5 | 71 400 | 354 | 36.1 | 79 300 | 385 | 39.2 | 86 300 |
| 21 | | 208 | 352 | 35.9 | 78 700 | 389 | 39.7 | 87 500 | 424 | 43.2 | 95 100 |
| 22 | | 228 | 386 | 39.3 | 86 400 | 428 | 43.6 | 96 100 | 465 | 47.4 | 104 300 |
| | ⅞ | 233 | 394 | 40.2 | 88 300 | 436 | 44.4 | 98 100 | 475 | 48.4 | 106 600 |
| 23 | | 250 | 422 | 43.0 | 94 400 | 468 | 47.7 | 104 900 | 509 | 51.9 | 114 000 |
| 24 | | 272 | 459 | 46.8 | 102 900 | 509 | 51.9 | 114 300 | 554 | 56.5 | 124 300 |
| 25 | | 295 | 498 | 50.8 | 111 600 | 552 | 56.3 | 124 100 | 601 | 61.3 | 134 800 |
| | 1 | 304 | 515 | 52.5 | 115 300 | 570 | 58.1 | 128 100 | 621 | 63.3 | 139 300 |
| 26 | | 319 | 539 | 54.9 | 120 800 | 597 | 60.9 | 134 200 | 650 | 66.3 | 145 800 |
| 27 | | 344 | 581 | 59.2 | 130 200 | 643 | 65.5 | 144 700 | 701 | 71.5 | 157 400 |
| 28 | | 370 | 626 | 63.8 | 140 100 | 693 | 70.6 | 155 600 | 754 | 76.9 | 169 200 |
| | 1 ⅛ | 385 | 651 | 66.4 | 145 900 | 721 | 73.5 | 162 200 | 785 | 80.0 | 176 300 |
| 29 | | 397 | 671 | 68.4 | 150 300 | 743 | 75.7 | 166 900 | 809 | 82.5 | 181 500 |
| 30 | | 425 | 718 | 73.2 | 160 800 | 795 | 81.0 | 178 600 | 866 | 88.3 | 194 300 |
| 31 | | 457 | 772 | 78.7 | 172 900 | 855 | 87.2 | 192 200 | 932 | 95.0 | 208 900 |
| | 1 ¼ | 476 | 804 | 82.0 | 180 200 | 890 | 90.7 | 200 200 | 970 | 98.9 | 217 700 |
| 32 | | 487 | 823 | 83.9 | 184 300 | 911 | 92.9 | 204 800 | 992 | 101 | 222 700 |
| 33 | | 518 | 875 | 89.2 | 196 000 | 969 | 98.8 | 217 900 | 1 055 | 107 | 236 800 |
| 34 | | 549 | 929 | 94.7 | 208 200 | 1 030 | 104 | 231 300 | 1 121 | 114 | 251 500 |
| | 1 ⅝ | 576 | 973 | 99.2 | 218 100 | 1 077 | 109 | 242 300 | 1 173 | 119 | 263 400 |
| 35 | | 582 | 984 | 100 | 220 500 | 1 090 | 111 | 245 000 | 1 187 | 120 | 266 400 |
| 36 | | 616 | 1 041 | 106 | 233 300 | 1 153 | 117 | 259 200 | 1 256 | 128 | 281 800 |
| 37 | | 651 | 1 100 | 112 | 246 800 | 1 221 | 124 | 274 200 | 1 328 | 135 | 298 100 |
| 38 | | 686 | 1 168 | 119 | 262 400 | 1 298 | 132 | 291 600 | 1 413 | 144 | 317 100 |
| | 1 ½ | 688 | 1 173 | 119 | 263 500 | 1 303 | 132 | 292 900 | 1 417 | 144 | 318 400 |
| 39 | | 723 | 1 222 | 124 | 273 900 | 1 353 | 137 | 304 300 | 1 474 | 150 | 330 900 |
| 40 | | 761 | 1 285 | 130 | 288 100 | 1 424 | 145 | 320 200 | 1 551 | 158 | 347 900 |
| 41 | | 799 | 1 351 | 137 | 302 600 | 1 496 | 152 | 336 400 | 1 629 | 166 | 365 700 |
| | 1 ⅞ | 804 | 1 359 | 138 | 304 600 | 1 505 | 153 | 338 400 | 1 639 | 167 | 367 900 |
| 42 | | 838 | 1 418 | 144 | 318 200 | 1 574 | 160 | 353 600 | 1 713 | 174 | 384 300 |
| 43 | | 879 | 1 486 | 151 | 332 800 | 1 645 | 167 | 369 900 | 1 792 | 182 | 402 100 |
| 44 | | 920 | 1 556 | 158 | 348 600 | 1 723 | 175 | 387 300 | 1 876 | 191 | 421 100 |
| | 2 | 932 | 1 576 | 160 | 353 200 | 1 745 | 177 | 392 500 | 1 901 | 193 | 426 700 |
| 45 | | 955 | 1 615 | 164 | 361 900 | 1 788 | 182 | 402 200 | 1 948 | 198 | 437 200 |
| 46 | | 1 006 | 1 700 | 173 | 381 000 | 1 883 | 191 | 423 500 | 2 050 | 208 | 460 300 |
| 47 | | 1 042 | 1 762 | 179 | 394 800 | 1 951 | 198 | 438 800 | 2 125 | 216 | 476 900 |
| | 2 ⅛ | 1 070 | 1 809 | 184 | 405 500 | 2 003 | 204 | 450 600 | 2 182 | 222 | 489 800 |
| 48 | | 1 095 | 1 851 | 188 | 414 900 | 2 050 | 208 | 461 000 | 2 233 | 227 | 501 200 |
| 49 | | 1 133 | 1 915 | 195 | 429 200 | 2 121 | 216 | 476 900 | 2 309 | 235 | 518 500 |
| 50 | | 1 188 | 2 009 | 204 | 450 200 | 2 224 | 226 | 500 300 | 2 423 | 246 | 543 800 |
| | 2 | 1 218 | 2 058 | 209 | 461 400 | 2 279 | 232 | 512 700 | 2 482 | 253 | 557 300 |
| 51 | | 1 227 | 2 075 | 211 | 465 000 | 2 298 | 234 | 516 600 | 2 502 | 255 | 561 700 |
| 52 | | 1 285 | 2 173 | 221 | 486 900 | 2 406 | 245 | 541 100 | 2 620 | 267 | 588 200 |
| 53 | | 1 325 | 2 241 | 228 | 502 200 | 2 481 | 252 | 557 900 | 2 702 | 275 | 606 500 |
| | 2 ⅞ | 1 375 | 2 324 | 236 | 520 900 | 2 573 | 262 | 578 800 | 2 802 | 285 | 629 200 |
| 54 | | 1 386 | 2 343 | 238 | 525 200 | 2 594 | 264 | 583 500 | 2 826 | 288 | 634 300 |

DIEPA X 53 E

eco variant



ROPE DESIGN OPTIONS

DIEPA X53 E

Ordinary lay with internal plastic component

PROPERTIES

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

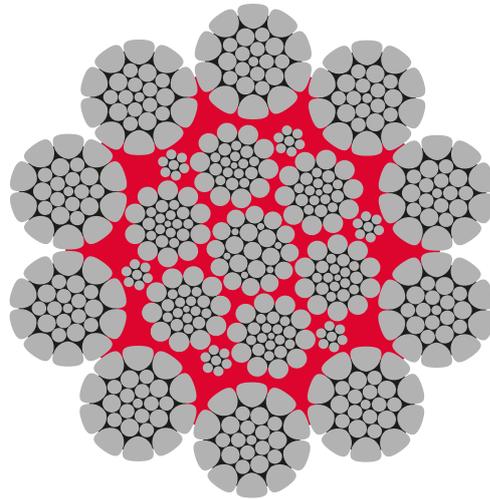
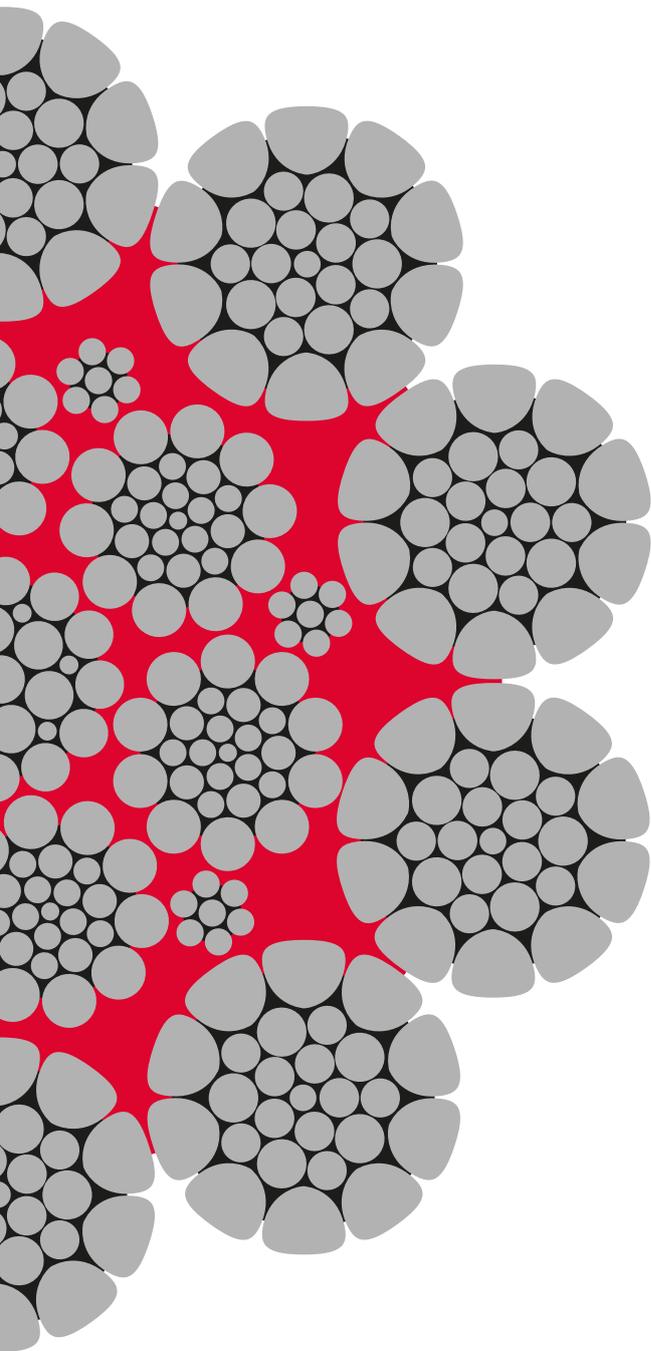
TECHNICAL DATA

| | | | |
|----------------------|--------|---------------------------|--------|
| Load-bearing wires | 152 | Ø 12 – 14 mm | RCN.04 |
| in outer strands/ | 208 | Ø 15 – 43 mm | RCN.09 |
| RCN acc. to ISO 4309 | 288 | Ø 44 – 54 mm | RCN.13 |
| Total number | 201 | Ø 12 – 14 mm | |
| of wires | 257 | Ø 15 – 43 mm | |
| | 288 | Ø 44 – 54 mm | |
| Fill factor | 0.6750 | | |
| Spinning loss factor | 0.8500 | at 1770 N/mm ² | |
| | 0.8500 | at 1960 N/mm ² | |
| | 0.8400 | at 2160 N/mm ² | |

| Diameter | | Weight kg/100m | Min. breaking force 1770 N/mm ² | | | Min. breaking force 1960 N/mm ² | | | Min. breaking force 2160 N/mm ² | | |
|----------|------|-------------------|--|-------------|---------|--|-------------|---------|--|-------------|---------|
| mm | inch | | kN | metric tons | lbs | kN | metric tons | lbs | kN | metric tons | lbs |
| 12 | | 68 | 115 | 11.7 | 25 500 | 128 | 13.0 | 28 500 | 139 | 14.2 | 30 900 |
| | ½ | 76 | 129 | 13.1 | 28 800 | 142 | 14.5 | 32 000 | 155 | 15.8 | 34 800 |
| 13 | | 80 | 135 | 13.8 | 30 000 | 150 | 15.3 | 33 500 | 163 | 16.6 | 36 300 |
| 14 | | 92 | 156 | 15.9 | 34 900 | 173 | 17.6 | 38 800 | 188 | 19.2 | 42 200 |
| | ⅝ | 96 | 163 | 16.6 | 36 400 | 180 | 18.3 | 40 500 | 196 | 20.0 | 44 000 |
| 15 | | 106 | 179 | 18.2 | 40 100 | 199 | 20.3 | 44 600 | 217 | 22.1 | 48 500 |
| | ⅞ | 119 | 201 | 20.5 | 45 000 | 223 | 22.7 | 50 000 | 242 | 24.7 | 54 400 |
| 16 | | 121 | 204 | 20.8 | 45 600 | 226 | 23.0 | 50 700 | 246 | 25.1 | 55 200 |
| 17 | | 136 | 230 | 23.4 | 51 500 | 255 | 26.0 | 57 300 | 278 | 28.3 | 62 300 |
| 18 | | 153 | 258 | 26.3 | 57 800 | 286 | 29.2 | 64 200 | 312 | 31.8 | 69 800 |
| 19 | | 170 | 288 | 29.4 | 64 300 | 319 | 32.5 | 71 600 | 347 | 35.4 | 77 900 |
| | ¾ | 171 | 289 | 29.5 | 64 800 | 321 | 32.7 | 72 000 | 349 | 35.6 | 78 300 |
| 20 | | 189 | 319 | 32.5 | 71 400 | 354 | 36.1 | 79 300 | 385 | 39.2 | 86 300 |
| 21 | | 208 | 352 | 35.9 | 78 700 | 389 | 39.7 | 87 500 | 424 | 43.2 | 95 100 |
| 22 | | 228 | 386 | 39.3 | 86 400 | 428 | 43.6 | 96 100 | 465 | 47.4 | 104 300 |
| | ⅞ | 233 | 394 | 40.2 | 88 300 | 436 | 44.4 | 98 100 | 475 | 48.4 | 106 600 |
| 23 | | 250 | 422 | 43.0 | 94 400 | 468 | 47.7 | 104 900 | 509 | 51.9 | 114 000 |
| 24 | | 272 | 459 | 46.8 | 102 900 | 509 | 51.9 | 114 300 | 554 | 56.5 | 124 300 |
| 25 | | 295 | 498 | 50.8 | 111 600 | 552 | 56.3 | 124 100 | 601 | 61.3 | 134 800 |
| | 1 | 304 | 515 | 52.5 | 115 300 | 570 | 58.1 | 128 100 | 621 | 63.3 | 139 300 |
| 26 | | 319 | 539 | 54.9 | 120 800 | 597 | 60.9 | 134 200 | 650 | 66.3 | 145 800 |
| 27 | | 344 | 581 | 59.2 | 130 200 | 643 | 65.5 | 144 700 | 701 | 71.5 | 157 400 |
| 28 | | 370 | 626 | 63.8 | 140 100 | 693 | 70.6 | 155 600 | 754 | 76.9 | 169 200 |
| | 1 ⅛ | 385 | 651 | 66.4 | 145 900 | 721 | 73.5 | 162 200 | 785 | 80.0 | 176 300 |
| 29 | | 397 | 671 | 68.4 | 150 300 | 743 | 75.7 | 166 900 | 809 | 82.5 | 181 500 |
| 30 | | 425 | 718 | 73.2 | 160 800 | 795 | 81.0 | 178 600 | 866 | 88.3 | 194 300 |
| 31 | | 457 | 772 | 78.7 | 172 900 | 855 | 87.2 | 192 200 | 932 | 95.0 | 208 900 |
| | 1 ¼ | 476 | 804 | 82.0 | 180 200 | 890 | 90.7 | 200 200 | 970 | 98.9 | 217 700 |
| 32 | | 487 | 823 | 83.9 | 184 300 | 911 | 92.9 | 204 800 | 992 | 101 | 222 700 |
| 33 | | 518 | 875 | 89.2 | 196 000 | 969 | 98.8 | 217 900 | 1 055 | 107 | 236 800 |
| 34 | | 549 | 929 | 94.7 | 208 200 | 1 030 | 104 | 231 300 | 1 121 | 114 | 251 500 |
| | 1 ⅝ | 576 | 973 | 99.2 | 218 100 | 1 077 | 109 | 242 300 | 1 173 | 119 | 263 400 |
| 35 | | 582 | 984 | 100 | 220 500 | 1 090 | 111 | 245 000 | 1 187 | 120 | 266 400 |
| 36 | | 616 | 1 041 | 106 | 233 300 | 1 153 | 117 | 259 200 | 1 256 | 128 | 281 800 |
| 37 | | 651 | 1 100 | 112 | 246 800 | 1 221 | 124 | 274 200 | 1 328 | 135 | 298 100 |
| 38 | | 686 | 1 168 | 119 | 262 400 | 1 298 | 132 | 291 600 | 1 413 | 144 | 317 100 |
| | 1 ½ | 688 | 1 173 | 119 | 263 500 | 1 303 | 132 | 292 900 | 1 417 | 144 | 318 400 |
| 39 | | 723 | 1 222 | 124 | 273 900 | 1 353 | 137 | 304 300 | 1 474 | 150 | 330 900 |
| 40 | | 761 | 1 285 | 130 | 288 100 | 1 424 | 145 | 320 200 | 1 551 | 158 | 347 900 |
| 41 | | 799 | 1 351 | 137 | 302 600 | 1 496 | 152 | 336 400 | 1 629 | 166 | 365 700 |
| | 1 ⅞ | 804 | 1 359 | 138 | 304 600 | 1 505 | 153 | 338 400 | 1 639 | 167 | 367 900 |
| 42 | | 838 | 1 418 | 144 | 318 200 | 1 574 | 160 | 353 600 | 1 713 | 174 | 384 300 |
| 43 | | 879 | 1 486 | 151 | 332 800 | 1 645 | 167 | 369 900 | 1 792 | 182 | 402 100 |
| 44 | | 920 | 1 556 | 158 | 348 600 | 1 723 | 175 | 387 300 | 1 876 | 191 | 421 100 |
| | 2 | 932 | 1 576 | 160 | 353 200 | 1 745 | 177 | 392 500 | 1 901 | 193 | 426 700 |
| 45 | | 955 | 1 615 | 164 | 361 900 | 1 788 | 182 | 402 200 | 1 948 | 198 | 437 200 |
| 46 | | 1 006 | 1 700 | 173 | 381 000 | 1 883 | 191 | 423 500 | 2 050 | 208 | 460 300 |
| 47 | | 1 042 | 1 762 | 179 | 394 800 | 1 951 | 198 | 438 800 | 2 125 | 216 | 476 900 |
| | 2 ⅛ | 1 070 | 1 809 | 184 | 405 500 | 2 003 | 204 | 450 600 | 2 182 | 222 | 489 800 |
| 48 | | 1 095 | 1 851 | 188 | 414 900 | 2 050 | 208 | 461 000 | 2 233 | 227 | 501 200 |
| 49 | | 1 133 | 1 915 | 195 | 429 200 | 2 121 | 216 | 476 900 | 2 309 | 235 | 518 500 |
| 50 | | 1 188 | 2 009 | 204 | 450 200 | 2 224 | 226 | 500 300 | 2 423 | 246 | 543 800 |
| | 2 | 1 218 | 2 058 | 209 | 461 400 | 2 279 | 232 | 512 700 | 2 482 | 253 | 557 300 |
| 51 | | 1 227 | 2 075 | 211 | 465 000 | 2 298 | 234 | 516 600 | 2 502 | 255 | 561 700 |
| 52 | | 1 285 | 2 173 | 221 | 486 900 | 2 406 | 245 | 541 100 | 2 620 | 267 | 588 200 |
| 53 | | 1 325 | 2 241 | 228 | 502 200 | 2 481 | 252 | 557 900 | 2 702 | 275 | 606 500 |
| | 2 ⅝ | 1 375 | 2 324 | 236 | 520 900 | 2 573 | 262 | 578 800 | 2 802 | 285 | 629 200 |
| 54 | | 1 386 | 2 343 | 238 | 525 200 | 2 594 | 264 | 583 500 | 2 826 | 288 | 634 300 |

DIEPA L 53

premium variant



ROPE DESIGN OPTIONS

DIEPA L 53

Ordinary lay with internal plastic component

PROPERTIES

- Non-rotation resistant
- Compacted outer strands
- 10-strand construction optimised for breaking load
- Use without rope swivel

TECHNICAL DATA

| | | |
|---|--|--------|
| Load-bearing wires in outer strands/ RCN acc. to ISO 4309 | 260 Ø 12–54 mm | RCN.11 |
| Total number of wires | 483 Ø 12–54 mm | |
| Fill factor | 0.6940 | |
| Spinning loss factor | 0.8400 at 1770 N/mm ² 0.8400 at 1960 N/mm ² 0.8300 at 2160 N/mm ² | |

| Diameter | | Weight kg/100m | Min. breaking force 1770 N/mm ² | | | Min. breaking force 1960 N/mm ² | | | Min. breaking force 2160 N/mm ² | | |
|----------|------|-------------------|--|-------------|---------|--|-------------|---------|--|-------------|---------|
| mm | inch | | kN | metric tons | lbs | kN | metric tons | lbs | kN | metric tons | lbs |
| 12 | | 71 | 116 | 11.9 | 26 200 | 129 | 13.2 | 29 000 | 140 | 14.3 | 31 600 |
| | ½ | 79 | 130 | 13.3 | 29 400 | 144 | 14.8 | 32 500 | 157 | 16.1 | 35 400 |
| 13 | | 83 | 136 | 14.0 | 30 800 | 151 | 15.5 | 34 100 | 165 | 16.8 | 37 100 |
| 14 | | 96 | 158 | 16.2 | 35 700 | 175 | 17.9 | 39 500 | 191 | 19.5 | 43 000 |
| | ⅝ | 100 | 165 | 16.9 | 37 200 | 183 | 18.7 | 41 200 | 199 | 20.3 | 44 800 |
| 15 | | 110 | 182 | 18.6 | 41 000 | 201 | 20.6 | 45 400 | 219 | 22.4 | 49 400 |
| | ⅞ | 124 | 204 | 20.8 | 45 900 | 226 | 23.1 | 50 900 | 246 | 25.1 | 55 400 |
| 16 | | 126 | 207 | 21.1 | 46 600 | 229 | 23.4 | 51 600 | 250 | 25.5 | 56 200 |
| 17 | | 142 | 234 | 23.9 | 52 600 | 259 | 26.4 | 58 300 | 282 | 28.8 | 63 500 |
| 18 | | 159 | 262 | 26.8 | 59 000 | 290 | 29.6 | 65 300 | 316 | 32.3 | 71 200 |
| 19 | | 177 | 292 | 29.8 | 65 700 | 323 | 33.0 | 72 800 | 352 | 36.0 | 79 300 |
| | ¾ | 178 | 294 | 30.0 | 66 100 | 325 | 33.2 | 73 200 | 354 | 36.1 | 79 700 |
| 20 | | 196 | 324 | 33.0 | 72 800 | 358 | 36.6 | 80 700 | 390 | 39.8 | 87 800 |
| 21 | | 216 | 357 | 36.4 | 80 300 | 395 | 40.3 | 88 900 | 430 | 43.9 | 96 800 |
| 22 | | 237 | 392 | 40.0 | 88 100 | 434 | 44.3 | 97 600 | 472 | 48.2 | 106 300 |
| | ⅞ | 242 | 400 | 40.8 | 89 900 | 443 | 45.2 | 99 600 | 482 | 49.2 | 108 400 |
| 23 | | 260 | 428 | 43.7 | 96 300 | 474 | 48.4 | 106 700 | 516 | 52.7 | 116 200 |
| 24 | | 283 | 466 | 47.6 | 104 900 | 516 | 52.7 | 116 200 | 562 | 57.4 | 126 500 |
| 25 | | 307 | 506 | 51.6 | 113 800 | 560 | 57.2 | 126 000 | 610 | 62.3 | 137 300 |
| | 1 | 316 | 522 | 53.3 | 117 500 | 578 | 59.0 | 130 100 | 630 | 64.3 | 141 700 |
| 26 | | 332 | 547 | 55.8 | 123 100 | 606 | 61.8 | 136 300 | 660 | 67.3 | 148 500 |
| 27 | | 358 | 590 | 60.2 | 132 800 | 654 | 66.7 | 147 000 | 712 | 72.6 | 160 100 |
| 28 | | 385 | 635 | 64.8 | 142 800 | 703 | 71.7 | 158 100 | 766 | 78.1 | 172 200 |
| | 1 ⅛ | 401 | 661 | 67.5 | 148 800 | 733 | 74.7 | 164 700 | 798 | 81.4 | 179 400 |
| 29 | | 413 | 681 | 69.5 | 153 200 | 754 | 76.9 | 169 600 | 821 | 83.8 | 184 700 |
| 30 | | 442 | 729 | 74.3 | 163 900 | 807 | 82.3 | 181 500 | 879 | 89.7 | 197 600 |
| 31 | | 471 | 778 | 79.4 | 175 000 | 862 | 87.9 | 193 800 | 939 | 95.7 | 211 000 |
| | 1 ¼ | 495 | 816 | 83.3 | 183 600 | 904 | 92.2 | 203 300 | 985 | 100 | 221 400 |
| 32 | | 502 | 829 | 84.6 | 186 500 | 918 | 93.7 | 206 500 | 1 000 | 102 | 224 900 |
| 33 | | 534 | 882 | 90.0 | 198 300 | 977 | 99.6 | 219 600 | 1 064 | 108 | 239 100 |
| 34 | | 567 | 936 | 95.5 | 210 500 | 1 037 | 105 | 233 100 | 1 129 | 115 | 253 900 |
| | 1 ⅝ | 599 | 988 | 100 | 222 200 | 1 094 | 111 | 246 100 | 1 192 | 121 | 267 900 |
| 35 | | 601 | 992 | 101 | 223 100 | 1 099 | 112 | 247 000 | 1 197 | 122 | 269 000 |
| 36 | | 636 | 1 050 | 107 | 236 000 | 1 163 | 118 | 261 400 | 1 266 | 129 | 284 600 |
| 37 | | 672 | 1 109 | 113 | 249 300 | 1 228 | 125 | 276 100 | 1 337 | 136 | 300 600 |
| 38 | | 708 | 1 170 | 119 | 263 000 | 1 295 | 132 | 291 200 | 1 411 | 143 | 317 100 |
| | 1 ½ | 712 | 1 176 | 119 | 264 400 | 1 302 | 132 | 292 700 | 1 418 | 144 | 318 800 |
| 39 | | 746 | 1 232 | 125 | 277 000 | 1 364 | 139 | 306 700 | 1 486 | 151 | 334 000 |
| 40 | | 785 | 1 296 | 132 | 291 400 | 1 435 | 146 | 322 700 | 1 563 | 159 | 351 400 |
| 41 | | 825 | 1 362 | 138 | 306 100 | 1 508 | 153 | 339 000 | 1 642 | 167 | 369 200 |
| | 1 ⅞ | 836 | 1 380 | 140 | 310 300 | 1 529 | 155 | 343 700 | 1 665 | 169 | 374 200 |
| 42 | | 865 | 1 429 | 145 | 321 300 | 1 583 | 161 | 355 700 | 1 723 | 175 | 387 400 |
| 43 | | 907 | 1 498 | 152 | 336 700 | 1 659 | 169 | 372 900 | 1 806 | 184 | 406 000 |
| 44 | | 950 | 1 568 | 159 | 352 600 | 1 737 | 177 | 390 400 | 1 891 | 192 | 425 200 |
| | 2 | 969 | 1 601 | 163 | 359 800 | 1 773 | 180 | 398 500 | 1 930 | 196 | 433 900 |
| 45 | | 993 | 1 641 | 167 | 368 800 | 1 817 | 185 | 408 400 | 1 978 | 201 | 444 700 |
| 46 | | 1 038 | 1 714 | 174 | 385 400 | 1 898 | 193 | 426 700 | 2 067 | 210 | 464 700 |
| 47 | | 1 084 | 1 790 | 182 | 402 300 | 1 982 | 202 | 445 500 | 2 158 | 220 | 485 100 |
| | 2 ⅛ | 1 113 | 1 838 | 187 | 413 200 | 2 035 | 207 | 457 500 | 2 216 | 225 | 498 200 |
| 48 | | 1 130 | 1 867 | 190 | 419 600 | 2 067 | 210 | 464 600 | 2 251 | 229 | 506 000 |
| 49 | | 1 178 | 1 945 | 198 | 437 300 | 2 154 | 219 | 484 200 | 2 346 | 239 | 527 300 |
| 50 | | 1 226 | 2 026 | 206 | 455 300 | 2 243 | 228 | 504 200 | 2 442 | 249 | 549 000 |
| | 2 | 1 266 | 2 091 | 213 | 470 000 | 2 315 | 236 | 520 400 | 2 521 | 257 | 566 700 |
| 51 | | 1 276 | 2 107 | 214 | 473 700 | 2 334 | 237 | 524 500 | 2 541 | 259 | 571 200 |
| 52 | | 1 326 | 2 191 | 223 | 492 500 | 2 426 | 247 | 545 300 | 2 642 | 269 | 593 800 |
| 53 | | 1 378 | 2 276 | 232 | 511 600 | 2 520 | 256 | 566 500 | 2 744 | 279 | 616 900 |
| | 2 ⅝ | 1 429 | 2 361 | 240 | 530 700 | 2 614 | 266 | 587 600 | 2 847 | 290 | 639 900 |
| 54 | | 1 430 | 2 363 | 240 | 531 100 | 2 616 | 266 | 588 100 | 2 849 | 290 | 640 400 |



As of 05/2025 – 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

QUALITY

RELIABILITY

SAFETY

SUSTAINABILITY

COST EFFICIENCY

AVAILABILITY

DURABILITY

EXPERIENCE

SERVICE



ROPE TERMINATIONS FOR INSTALLATION & PERMANENT USE

Tailor-made rope terminations for installation meeting the requirements of ISO 16841 and for permanent use according to EN 13411



PULLING EYES

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

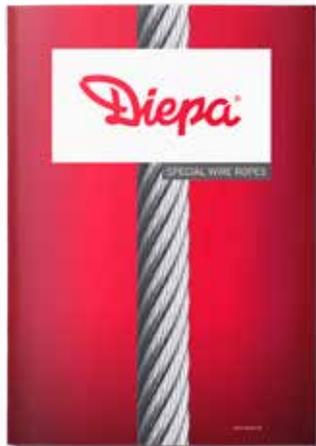
SWAGINGS

- Executed with aluminium or steel ferrule
- **90 %** rope breaking force efficiency
- Execution according to **EN 13411-3**
- Available with all kinds of thimbles like e. g. DIN 3090, DIN 3091, EN 13411-9, heavy-duty-thimble, etc.

SOCKETING

- Executed with resin or molten metal
- **100 %** rope breaking force efficiency
- Execution according to **EN 13411-4**
- Available with all kinds of sockets like e. g. pear sockets, open sockets, closed sockets or customised solutions

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