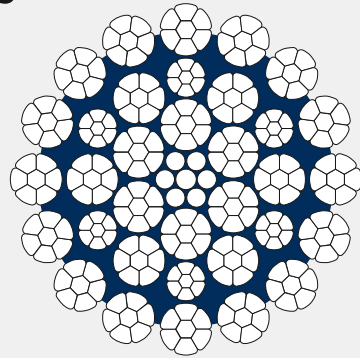
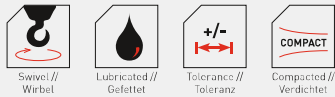


CASAR STARLIFT PLUS



High Breaking Force // Hohe Bruchkraft

PROPERTIES // EIGENSCHAFTEN



APPLICATIONS // ANWENDUNGEN

A very flexible rope with a core in a special design avoiding crossovers between the strands of core and preventing internal rope destruction. Hoist rope for mobile cranes, electrical hoists and other applications, where rotation resistant ropes are required.

Ein sehr flexibles Seil mit einer speziell konstruierten Stahlseileseele, die Überkreuzungen zwischen den Litzen vermeidet sowie die Gefahr von Zerstörungen im Seilinneren herabsetzt. Hubseil für Mobilkrane, Elektrozüge und andere Anwendungen, bei denen drehungsfreie Seile erforderlich sind.

OVERVIEW // ÜBERBLICK TECHNISCHE DATEN

| | |
|---|---|
| Diameter Range // Durchmesserbereich [mm] | 10–56 |
| RCN | 23–2 |
| Number of Outer Strands // Anzahl der Außenlitzen | 16 |
| Number of Wires // Gesamtdrahtzahl | 245 |
| Number of Outer Load Bearing Wires // Anzahl der tragenden Drähte in den Außenlitzen | 112 |
| Average Fill Factor // Mittlerer Füllfaktor | 0,716 |
| Average Nominal Metallic Area Factor C // Mittlerer metallischer Querschnittsfaktor C | 0,562 |
| Average Spin Factor // Mittlerer Verseilfaktor | *N/mm ² 0.83 [1960]* / 0.82 [2160]* / 0.76 [2360]* |

- Temperature range of use: -50°C to +75°C
- Suitable for multi-layer spooling, preferred in Lang's lay execution
- Available in ordinary lay and Lang's lay
- Available in right hand and left hand
- Available in galvanized and ungalvanized

- Einsatztemperaturbereich: -50°C bis +75°C
- In Gleichschlag besonders geeignet für Mehrlagenspulung
- In Kreuzschlag und Gleichschlag erhältlich
- In rechtsgängig und linksgängig erhältlich
- In verzinkter und blanker Ausführung erhältlich

| Nominal Diameter // Nenn-durchmesser | Weight // Gewicht | Minimum Breaking Force // Mindestbruchkraft | | | | | | | | | | | | | |
|--------------------------------------|-------------------|---|-------|---------|------------|------------------------|--------------|---------|------------|------------------------|--------------|---------|------------|---------|--------------|
| | | 1960 N/mm ² | | | | 2160 N/mm ² | | | | 2360 N/mm ² | | | | | |
| mm | inch | kg/m | lb/ft | kN | t [metric] | lbs | t [2000 lbs] | kN | t [metric] | lbs | t [2000 lbs] | kN | t [metric] | lbs | t [2000 lbs] |
| 10 | | 0,50 | 0,34 | 92,0 | 9,38 | 20,682 | 10,34 | 98,0 | 9,99 | 22,031 | 11,02 | 103,4 | 10,54 | 23,245 | 11,62 |
| 11 | 7/16 | 0,61 | 0,41 | 111,0 | 11,32 | 24,954 | 12,48 | 119,0 | 12,13 | 26,752 | 13,38 | 125,2 | 12,77 | 28,146 | 14,07 |
| 12 | | 0,73 | 0,49 | 132,0 | 13,46 | 29,675 | 14,84 | 144,0 | 14,68 | 32,372 | 16,19 | 149,0 | 15,19 | 33,497 | 16,75 |
| | 1/2 | 0,81 | 0,55 | 147,8 | 15,07 | 33,227 | 16,61 | 161,3 | 16,45 | 36,262 | 18,13 | 166,9 | 17,02 | 37,521 | 18,76 |
| 13 | | 0,85 | 0,57 | 155,0 | 15,81 | 34,845 | 17,42 | 169,0 | 17,23 | 37,993 | 19,00 | 175,0 | 17,85 | 39,342 | 19,67 |
| 14 | | 0,99 | 0,67 | 179,0 | 18,25 | 40,241 | 20,12 | 195,0 | 19,88 | 43,838 | 21,92 | 203,0 | 20,70 | 45,636 | 22,82 |
| 15 | | 1,13 | 0,76 | 206,0 | 21,01 | 46,311 | 23,16 | 225,0 | 22,94 | 50,582 | 25,29 | 233,0 | 23,76 | 52,380 | 26,19 |
| 16 | 5/8 | 1,29 | 0,87 | 235,0 | 23,96 | 52,830 | 26,42 | 257,0 | 26,21 | 57,776 | 28,89 | 266,0 | 27,12 | 59,799 | 29,90 |
| 17 | | 1,46 | 0,98 | 261,0 | 26,61 | 58,675 | 29,34 | 285,0 | 29,06 | 64,071 | 32,04 | 300,0 | 30,59 | 67,443 | 33,72 |
| 18 | | 1,63 | 1,09 | 298,0 | 30,39 | 66,993 | 33,50 | 325,0 | 33,14 | 73,063 | 36,53 | 337,0 | 34,36 | 75,761 | 37,88 |
| 19 | 3/4 | 1,81 | 1,22 | 329,0 | 33,55 | 73,962 | 36,98 | 359,0 | 36,61 | 80,706 | 40,35 | 375,0 | 38,24 | 84,303 | 42,15 |
| 20 | | 2,02 | 1,36 | 367,0 | 37,42 | 82,505 | 41,25 | 401,0 | 40,89 | 90,148 | 45,07 | 416,0 | 42,42 | 93,521 | 46,76 |
| 21 | | 2,23 | 1,50 | 402,0 | 40,99 | 90,373 | 45,19 | 439,0 | 44,77 | 98,691 | 49,35 | 458,0 | 46,70 | 102,962 | 51,48 |
| 22 | | 2,44 | 1,64 | 442,0 | 45,07 | 99,366 | 49,68 | 483,0 | 49,25 | 108,583 | 54,29 | 502,0 | 51,19 | 112,854 | 56,43 |
| | 7/8 | 2,48 | 1,67 | 451,0 | 46,00 | 101,411 | 50,71 | 492,9 | 50,26 | 110,808 | 55,40 | 512,3 | 52,24 | 115,170 | 57,58 |
| 23 | | 2,68 | 1,80 | 483,0 | 49,25 | 108,583 | 54,29 | 527,0 | 53,74 | 118,474 | 59,24 | 549,0 | 55,98 | 123,420 | 61,71 |
| 24 | | 2,90 | 1,95 | 525,0 | 53,54 | 118,025 | 59,01 | 573,0 | 58,43 | 128,815 | 64,41 | 598,0 | 60,98 | 134,436 | 67,22 |
| 25 | | 3,14 | 2,11 | 571,0 | 58,23 | 128,366 | 64,18 | 623,0 | 63,53 | 140,056 | 70,03 | 649,0 | 66,18 | 145,901 | 72,95 |
| | 1 | 3,25 | 2,18 | 589,4 | 60,10 | 132,502 | 66,25 | 643,1 | 65,58 | 144,575 | 72,29 | 669,9 | 68,31 | 150,599 | 75,30 |
| 26 | | 3,42 | 2,30 | 615,0 | 62,71 | 138,257 | 69,13 | 671,0 | 68,42 | 150,847 | 75,42 | 702,0 | 71,58 | 157,816 | 78,91 |
| 27 | | 3,68 | 2,47 | 669,0 | 68,22 | 150,397 | 75,20 | 730,0 | 74,44 | 164,110 | 82,06 | 757,0 | 77,19 | 170,180 | 85,09 |
| 28 | | 3,95 | 2,65 | 719,0 | 73,32 | 161,638 | 80,82 | 784,0 | 79,95 | 176,250 | 88,13 | 814,0 | 83,01 | 182,994 | 91,50 |
| | 1 1/8 | 4,11 | 2,76 | 748,8 | 76,36 | 168,337 | 84,17 | 816,5 | 83,26 | 183,556 | 91,78 | 847,8 | 86,45 | 190,593 | 95,30 |
| 29 | | 4,26 | 2,86 | 768,0 | 78,32 | 172,453 | 86,33 | 838,0 | 85,45 | 188,390 | 94,19 | 873,0 | 89,02 | 196,258 | 98,13 |
| 30 | | 4,55 | 3,05 | 827,0 | 84,33 | 185,917 | 92,96 | 903,0 | 92,08 | 203,002 | 101,50 | 935,0 | 95,34 | 210,196 | 105,10 |
| 31 | | 4,85 | 3,26 | 879,0 | 89,63 | 197,607 | 98,80 | 959,0 | 97,79 | 215,592 | 107,80 | 998,0 | 101,77 | 224,359 | 112,18 |
| 32 | 1 1/4 | 5,17 | 3,47 | 934,0 | 95,24 | 209,972 | 104,99 | 1,019,0 | 103,91 | 229,080 | 114,54 | 1,079,8 | 110,11 | 242,749 | 121,37 |
| 33 | | 5,49 | 3,69 | 1,003,0 | 102,28 | 225,483 | 112,74 | 1,095,0 | 111,66 | 246,166 | 123,08 | 1,131,0 | 115,33 | 254,259 | 127,13 |
| 34 | | 5,83 | 3,92 | 1,054,0 | 107,48 | 236,949 | 118,47 | 1,150,0 | 117,27 | 258,530 | 129,27 | 1,201,0 | 122,47 | 269,995 | 135,00 |
| 35 | 1 3/8 | 6,19 | 4,16 | 1,116,5 | 113,85 | 250,999 | 125,50 | 1,218,2 | 124,22 | 273,862 | 136,93 | 1,272,2 | 129,73 | 286,002 | 143,00 |
| 36 | | 6,54 | 4,40 | 1,187,0 | 121,04 | 266,848 | 133,42 | 1,296,0 | 132,16 | 291,352 | 145,68 | 1,346,0 | 137,26 | 302,593 | 151,30 |
| 38 | 1 1/2 | 7,31 | 4,91 | 1,322,0 | 134,81 | 297,197 | 148,60 | 1,443,0 | 147,15 | 324,399 | 162,20 | 1,492,0 | 152,14 | 335,415 | 167,71 |
| 40 | | 8,06 | 5,41 | 1,467,0 | 149,59 | 329,795 | 164,90 | 1,601,0 | 163,26 | 359,919 | 179,96 | 1,648,0 | 168,05 | 370,485 | 185,24 |
| | 1 5/8 | 8,58 | 5,77 | 1,562,0 | 159,28 | 351,154 | 175,58 | 1,704,7 | 173,83 | 383,230 | 191,61 | 1,754,7 | 178,93 | 394,480 | 197,24 |
| 42 | | 8,87 | 5,96 | 1,616,0 | 164,79 | 363,291 | 181,65 | 1,764,0 | 179,88 | 396,563 | 198,28 | 1,818,0 | 185,39 | 408,703 | 204,35 |
| 44 | | 9,77 | 6,56 | 1,770,0 | 180,49 | 397,912 | 198,96 | 1,932,0 | 197,01 | 434,331 | 217,17 | 2,014,0 | 205,37 | 452,765 | 226,38 |
| | 1 3/4 | 9,97 | 6,70 | 1,806,4 | 184,20 | 406,095 | 203,05 | 1,971,7 | 201,06 | 443,256 | 221,63 | 2,055,4 | 209,59 | 462,072 | 231,04 |
| 46 | | 10,68 | 7,18 | 1,935,0 | 197,32 | 435,005 | 217,50 | 2,112,0 | 215,37 | 474,796 | 237,40 | 2,183,0 | 222,61 | 490,758 | 245,38 |
| 48 | 1 7/8 | 11,58 | 7,78 | 2,115,0 | 215,67 | 475,471 | 237,74 | 2,309,0 | 235,45 | 519,084 | 259,54 | 2,361,0 | 240,76 | 530,774 | 265,39 |
| 50 | | 12,61 | 8,48 | 2,297,0 | 234,23 | 516,386 | 258,19 | 2,507,0 | 255,65 | 563,596 | 281,80 | 2,573,0 | 262,38 | 578,433 | 289,22 |
| | 2 | 12,99 | 8,73 | 2,371,0 | 241,78 | 533,022 | 266,51 | 2,587,9 | 263,90 | 581,783 | 290,89 | 2,656,0 | 270,84 | 597,092 | 298,55 |
| 52 | | 13,61 | 9,14 | 2,486,0 | 253,50 | 558,875 | 279,44 | 2,713,0 | 276,65 | 609,907 | 304,95 | 2,790,0 | 284,50 | 627,217 | 313,61 |
| 54 | 2 1/8 | 14,70 | 9,88 | 2,695,0 | 274,82 | 605,860 | 302,93 | 2,941,0 | 299,90 | 661,163 | 330,58 | - | - | - | - |
| 56 | | 15,81 | 10,62 | 2,879,0 | 293,58 | 647,225 | 323,61 | 3,142,0 | 320,40 | 706,350 | 353,17 | - | - | - | - |