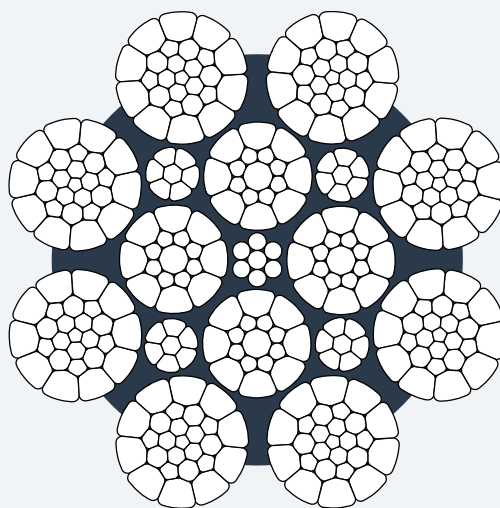


# CASAR **TURBOLIFT**



High  
Breaking Force  
Hohe  
Bruchkraft

## PROPERTIES \_ EIGENSCHAFTEN



No swivel  
Kein Wirbel



Lubricated  
Gefettet



Tolerance  
Toleranz



Parallel  
Construction  
Parallel-  
konstruktion



Compacted  
Verdichtet



Preformed  
Vorgeformt

## APPLICATIONS \_ ANWENDUNGEN

Flexible construction with a high breaking load. Pendant ropes for tower cranes, mobile cranes, grabs, suspended structures, when high breaking loads are required.

Flexible Konstruktion mit einer außergewöhnlich hohen Bruchkraft. Abspannseil für Turmdrehkrane, Mobilkrane, Greifer und Flächentragwerke, wenn hohe Bruchkräfte erforderlich sind.

## OVERVIEW \_ ÜBERBLICK TECHNISCHE DATEN

| Diameter Range _ Durchmesserbereich [mm]                                             | 14 – 48 | 50 – 72 |
|--------------------------------------------------------------------------------------|---------|---------|
| RCN                                                                                  | 09      | 11      |
| Number of Outer Strands _ Anzahl der Außenlitzen                                     | 8       | 8       |
| Number of Wires _ Gesamtdrahtzahl                                                    | 311     | 351     |
| Number of Outer Load Bearing Wires _ Anzahl der tragenden Drähte in den Außenlitzen  | 208     | 248     |
| Average Fill Factor _ Mittlerer Füllfaktor                                           | 0,734   |         |
| Average Nominal Metallic Area Factor C _ Mittlerer metallischer Querschnittsfaktor C | 0,576   |         |
| Average Spin Factor _ Mittlerer Verseilfaktor                                        | 0,83    |         |

- Temperature range of use: –50°C to +140°C
- Available in ordinary lay and Lang's lay
- Available in right hand and left hand
- Available in galvanized and ungalvanized

- Einsatztemperaturbereich: –50°C bis +140°C
- In Kreuzschlag und Gleichschlag erhältlich
- In rechtsgängig und linksgängig erhältlich
- In verzinkter und blanker Ausführung erhältlich

| Nominal<br>Diameter _ Nenn-<br>durchmesser |       | Weight _<br>Gewicht |       | Minimum Breaking Force _ Mindestbruchkraft |            |           |              |            |            |           |              |
|--------------------------------------------|-------|---------------------|-------|--------------------------------------------|------------|-----------|--------------|------------|------------|-----------|--------------|
|                                            |       |                     |       | 1960 N/mm²                                 |            |           |              | 2160 N/mm² |            |           |              |
|                                            |       |                     |       | kN                                         | t [metric] | lbs       | t [2000 lbs] | kN         | t [metric] | lbs       | t [2000 lbs] |
| 14                                         |       | 0,97                | 0,65  | 184,1                                      | 18,77      | 41.387    | 20,69        | 202,8      | 20,68      | 45.591    | 22,80        |
| 15                                         |       | 1,12                | 0,75  | 212,4                                      | 21,66      | 47.749    | 23,87        | 234,1      | 23,87      | 52.628    | 26,31        |
| 16                                         | 5/8   | 1,26                | 0,85  | 241,9                                      | 24,67      | 54.381    | 27,19        | 266,5      | 27,18      | 59.912    | 29,96        |
| 17                                         |       | 1,41                | 0,95  | 274,8                                      | 28,02      | 61.777    | 30,89        | 302,8      | 30,88      | 68.072    | 34,04        |
| 18                                         |       | 1,60                | 1,07  | 308,4                                      | 31,45      | 69.331    | 34,67        | 339,8      | 34,65      | 76.390    | 38,20        |
| 19                                         | 3/4   | 1,80                | 1,21  | 340,3                                      | 34,70      | 76.502    | 38,25        | 375,0      | 38,24      | 84.303    | 42,15        |
| 20                                         |       | 1,99                | 1,34  | 379,0                                      | 38,65      | 85.203    | 42,60        | 417,7      | 42,59      | 93.903    | 46,95        |
| 21                                         |       | 2,21                | 1,48  | 415,0                                      | 42,32      | 93.296    | 46,65        | 458,0      | 46,70      | 102.962   | 51,48        |
| 22                                         |       | 2,41                | 1,62  | 458,9                                      | 46,80      | 103.165   | 51,58        | 505,7      | 51,57      | 113.686   | 56,84        |
|                                            | 7/8   | 2,43                | 1,63  | 468,3                                      | 47,75      | 105.278   | 52,64        | 516,0      | 52,62      | 116.001   | 58,00        |
| 23                                         |       | 2,64                | 1,77  | 501,7                                      | 51,16      | 112.787   | 56,39        | 552,8      | 56,37      | 124.274   | 62,14        |
| 24                                         |       | 2,87                | 1,93  | 542,8                                      | 55,35      | 122.026   | 61,01        | 598,2      | 61,00      | 134.481   | 67,24        |
| 25                                         |       | 3,11                | 2,09  | 589,9                                      | 60,15      | 132.615   | 66,31        | 650,1      | 66,29      | 146.148   | 73,07        |
|                                            | 1     | 3,19                | 2,14  | 608,9                                      | 62,09      | 136.886   | 68,44        | 671,0      | 68,42      | 150.847   | 75,42        |
| 26                                         |       | 3,40                | 2,29  | 636,0                                      | 64,85      | 142.978   | 71,49        | 700,9      | 71,47      | 157.569   | 78,78        |
| 27                                         |       | 3,68                | 2,48  | 691,8                                      | 70,54      | 155.523   | 77,76        | 762,4      | 77,74      | 171.394   | 85,70        |
| 28                                         |       | 3,93                | 2,64  | 742,4                                      | 75,70      | 166.898   | 83,45        | 818,1      | 83,42      | 183.916   | 91,96        |
|                                            | 1 1/8 | 4,12                | 2,77  | 773,1                                      | 78,84      | 173.800   | 86,90        | 852,0      | 86,88      | 191.537   | 95,77        |
| 29                                         |       | 4,23                | 2,84  | 799,0                                      | 81,48      | 179.622   | 89,81        | 880,5      | 89,79      | 197.944   | 98,97        |
| 30                                         |       | 4,49                | 3,02  | 855,3                                      | 87,22      | 192.279   | 96,14        | 942,6      | 96,12      | 211.905   | 105,95       |
| 31                                         |       | 4,95                | 3,33  | 911,0                                      | 92,90      | 204.801   | 102,40       | 1.004,0    | 102,38     | 225.708   | 112,85       |
| 32                                         | 1 1/4 | 5,17                | 3,48  | 978,0                                      | 99,73      | 219.863   | 109,93       | 1.067,0    | 108,80     | 239.871   | 119,94       |
| 33                                         |       | 5,49                | 3,69  | 1.030,2                                    | 105,05     | 231.598   | 115,80       | 1.135,3    | 115,77     | 255.226   | 127,61       |
| 34                                         |       | 5,81                | 3,90  | 1.095,0                                    | 111,66     | 246.166   | 123,08       | 1.206,8    | 123,06     | 271.299   | 135,65       |
| 35                                         | 1 3/8 | 6,18                | 4,15  | 1.155,3                                    | 117,81     | 259.722   | 129,86       | 1.273,3    | 129,84     | 286.249   | 143,12       |
| 36                                         |       | 6,49                | 4,36  | 1.220,0                                    | 124,41     | 274.267   | 137,13       | 1.344,5    | 137,10     | 302.256   | 151,13       |
| 38                                         | 1 1/2 | 7,26                | 4,88  | 1.362,4                                    | 138,93     | 306.280   | 153,14       | 1.501,4    | 153,10     | 337.528   | 168,76       |
| 40                                         |       | 8,05                | 5,41  | 1.514,5                                    | 154,44     | 340.473   | 170,24       | 1.669,1    | 170,20     | 375.229   | 187,61       |
|                                            | 1 5/8 | 8,47                | 5,69  | 1.612,6                                    | 164,44     | 362.527   | 181,26       | 1.777,2    | 181,23     | 399.530   | 199,77       |
| 42                                         |       | 8,87                | 5,96  | 1.676,2                                    | 170,93     | 376.825   | 188,41       | 1.847,2    | 188,36     | 415.267   | 207,63       |
| 44                                         |       | 9,77                | 6,57  | 1.830,8                                    | 186,69     | 411.580   | 205,79       | 2.017,6    | 205,74     | 453.574   | 226,79       |
|                                            | 1 3/4 | 9,89                | 6,65  | 1.868,4                                    | 190,53     | 420.033   | 210,02       | 2.059,1    | 209,97     | 462.904   | 231,45       |
| 46                                         |       | 10,68               | 7,17  | 2.001,2                                    | 204,07     | 449.888   | 224,94       | 2.205,4    | 224,89     | 495.794   | 247,90       |
| 48                                         | 1 7/8 | 11,56               | 7,77  | 2.171,3                                    | 221,41     | 488.128   | 244,06       | 2.392,8    | 244,00     | 537.923   | 268,96       |
| 50                                         |       | 12,57               | 8,45  | 2.365,7                                    | 241,24     | 531.830   | 265,92       | 2.607,1    | 265,85     | 586.099   | 293,05       |
|                                            | 2     | 12,69               | 8,53  | 2.461,4                                    | 251,00     | 553.345   | 276,67       | 2.712,5    | 276,60     | 609.794   | 304,90       |
| 52                                         |       | 13,55               | 9,10  | 2.539,6                                    | 258,97     | 570.925   | 285,46       | 2.798,7    | 285,39     | 629.173   | 314,59       |
| 54                                         | 2 1/8 | 14,54               | 9,77  | 2.752,8                                    | 280,71     | 618.854   | 309,43       | 3.033,7    | 309,35     | 682.003   | 341,00       |
| 56                                         |       | 15,72               | 10,57 | 2.944,8                                    | 300,29     | 662.017   | 331,01       | 3.245,2    | 330,92     | 729.550   | 364,77       |
|                                            | 2 1/4 | 16,27               | 10,93 | 3.067,0                                    | 312,75     | 689.489   | 344,74       | 3.379,8    | 344,65     | 759.809   | 379,90       |
| 58                                         |       | 17,01               | 11,43 | 3.161,7                                    | 322,41     | 710.778   | 355,39       | 3.484,4    | 355,31     | 783.324   | 391,66       |
| 60                                         |       | 17,99               | 12,09 | 3.379,7                                    | 344,64     | 759.787   | 379,89       | 3.724,6    | 379,81     | 837.323   | 418,66       |
|                                            | 2 3/8 | 18,19               | 12,22 | 3.416,4                                    | 348,38     | 768.040   | 384,02       | 3.765,1    | 383,93     | 846.419   | 423,21       |
| 62                                         |       | 19,18               | 12,89 | 3.559,1                                    | 362,93     | 800.117   | 400,06       | 3.922,3    | 399,97     | 881.768   | 440,88       |
| 64                                         | 2 1/2 | 20,66               | 13,88 | 3.762,8                                    | 383,70     | 845.911   | 422,96       | 4.146,7    | 422,85     | 932.215   | 466,11       |
| 66                                         |       | 21,91               | 14,72 | 4.018,6                                    | 409,79     | 903.417   | 451,71       | 4.428,7    | 451,61     | 995.611   | 497,81       |
|                                            | 2 5/8 | 22,36               | 15,02 | 4.101,2                                    | 418,21     | 921.991   | 461,00       | 4.519,8    | 460,89     | 1.016.080 | 508,04       |
| 68                                         |       | 23,10               | 15,52 | 4.245,1                                    | 432,88     | 954.336   | 477,17       | —          | —          | —         | —            |
| 70                                         | 2 3/4 | 24,63               | 16,55 | 4.477,8                                    | 456,61     | 1.006.649 | 503,32       | —          | —          | —         | —            |
| 72                                         |       | 25,97               | 17,45 | 4.736,6                                    | 483,00     | 1.064.830 | 532,41       | —          | —          | —         | —            |