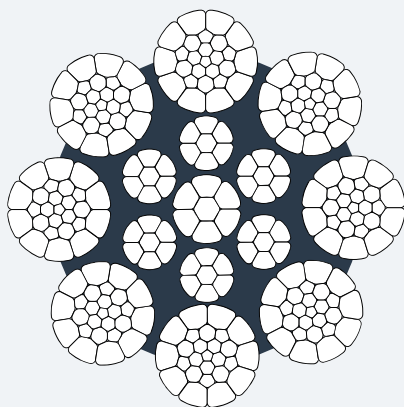
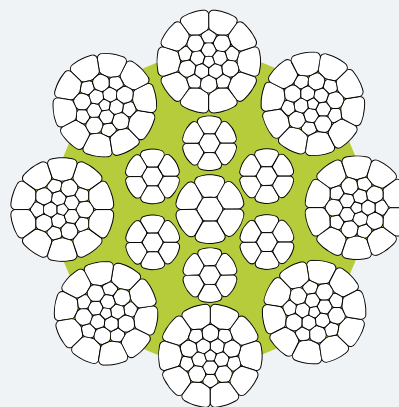


## OLIVEIRA HD 8 K



## OLIVEIRA HD 8 K PPI



### PROPERTIES



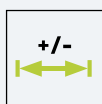
No Swivel



Compacted

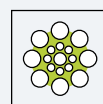


Lubricated



Tolerance

+



PPI

### APPLICATIONS

When rotation resistant ropes are not required (twin hoist systems with right and left ropes, small heights). Hoist for steel mill cranes, container cranes, floating cranes and boom hoist for deck cranes, luffing and mobile cranes, grab cranes.

### OVERVIEW

| RCN | Diameter range [mm] | Construction | Number of outer strands | Number of wires | Number of outer load bearing wires | Average fill factor | Average spin factor<br>*N/mm <sup>2</sup> |
|-----|---------------------|--------------|-------------------------|-----------------|------------------------------------|---------------------|-------------------------------------------|
| 03  | 8 – 11              | 8xK12        | 8                       | 145             | 96                                 | 0,672               |                                           |
| 03  | 12 – 14             | 8xK17        | 8                       | 185             | 136                                | 0,675               | 0,85 (1770*)                              |
| 09  | 15 – 28,58          | 8xK26        | 8                       | 257             | 208                                | 0,677               | 0,85 (1960*)                              |
| 11  | 30 – 42             | 8xK31        | 8                       | 297             | 248                                | 0,673               | 0,82 (2160*)                              |
| 13  | 44 – 60             | 8xK36        | 8                       | 407             | 288                                | 0,683               |                                           |
| 13  | 62 – 64             | 8xK36        | 8                       | 475             | 288                                | 0,671               | 0,84 (1770*)                              |
| >13 | 66 – 72             | 8xK41        | 8                       | 515             | 328                                | 0,666               | 0,83 (1960*)<br>0,81 (2160*)              |

- Temperature range of use: -50°C to +75°C
- Please add 1.5% on the weight for ropes with PPI
- Available in ordinary lay and Lang's lay
- Available in right hand and left hand

| nominal<br>diameter |       | weight |       | minimum breaking force |        |                 |        |                        |        |                 |        |                        |        |                 |        |
|---------------------|-------|--------|-------|------------------------|--------|-----------------|--------|------------------------|--------|-----------------|--------|------------------------|--------|-----------------|--------|
|                     |       |        |       | 1770 N/mm <sup>2</sup> |        |                 |        | 1960 N/mm <sup>2</sup> |        |                 |        | 2160 N/mm <sup>2</sup> |        |                 |        |
|                     |       |        |       | kN t [metric]          |        | lbs t [2000lbs] |        | kN t [metric]          |        | lbs t [2000lbs] |        | kN t [metric]          |        | lbs t [2000lbs] |        |
| mm                  | inch  | kg/m   | lb/ft |                        |        |                 |        |                        |        |                 |        |                        |        |                 |        |
| 8                   | 5/16  | 0,30   | 0,20  | 50,4                   | 5,14   | 11.328          | 5,66   | 55,8                   | 5,69   | 12.544          | 6,27   | 57,7                   | 5,88   | 12.971          | 6,49   |
| 9                   |       | 0,37   | 0,25  | 63,3                   | 6,46   | 14.235          | 7,12   | 70,1                   | 7,15   | 15.763          | 7,88   | 73,6                   | 7,50   | 16.535          | 8,27   |
| 9,53                | 3/8   | 0,39   | 0,26  | 66,8                   | 6,81   | 15.016          | 7,51   | 74,0                   | 7,54   | 16.627          | 8,31   | 79,6                   | 8,12   | 17.899          | 8,95   |
| 10                  |       | 0,45   | 0,30  | 78,3                   | 7,98   | 17.600          | 8,80   | 86,7                   | 8,84   | 19.489          | 9,74   | 92,4                   | 9,42   | 20.772          | 10,39  |
| 11                  | 7/16  | 0,57   | 0,38  | 96,7                   | 9,86   | 21.732          | 10,87  | 107,0                  | 10,92  | 24.064          | 12,03  | 112,0                  | 11,42  | 25.179          | 12,59  |
| 12                  |       | 0,65   | 0,44  | 115,1                  | 11,74  | 25.876          | 12,94  | 126,4                  | 12,89  | 28.415          | 14,21  | 132,6                  | 13,52  | 29.800          | 14,90  |
| 12,70               | 1/2   | 0,71   | 0,48  | 124,4                  | 12,69  | 27.966          | 13,98  | 138,0                  | 14,07  | 31.015          | 15,51  | 144,7                  | 14,76  | 32.530          | 16,26  |
| 13                  |       | 0,77   | 0,52  | 136,6                  | 13,93  | 30.709          | 15,35  | 149,0                  | 15,19  | 33.491          | 16,75  | 156,2                  | 15,93  | 35.123          | 17,56  |
| 14                  |       | 0,90   | 0,61  | 157,9                  | 16,10  | 35.497          | 17,75  | 174,8                  | 17,82  | 39.297          | 19,65  | 187,0                  | 19,07  | 42.039          | 21,02  |
| 15                  |       | 1,03   | 0,69  | 180,0                  | 18,35  | 40.466          | 20,23  | 202,7                  | 20,67  | 45.569          | 22,78  | 214,0                  | 21,82  | 48.109          | 24,05  |
| 15,88               | 5/8   | 1,15   | 0,77  | 200,0                  | 20,39  | 44.962          | 22,48  | 220,0                  | 22,43  | 49.458          | 24,73  | 235,0                  | 23,96  | 52.830          | 26,42  |
| 16                  |       | 1,16   | 0,78  | 204,0                  | 20,80  | 45.861          | 22,93  | 229,4                  | 23,39  | 51.571          | 25,79  | 242,4                  | 24,72  | 54.494          | 27,25  |
| 17                  |       | 1,30   | 0,87  | 227,0                  | 23,15  | 51.032          | 25,52  | 250,0                  | 25,49  | 56.202          | 28,10  | 267,0                  | 27,23  | 60.024          | 30,01  |
| 18                  |       | 1,49   | 1,00  | 260,2                  | 26,53  | 58.495          | 29,25  | 288,2                  | 29,39  | 64.790          | 32,39  | 307,0                  | 31,31  | 69.016          | 34,51  |
| 19                  | 3/4   | 1,64   | 1,10  | 292,1                  | 29,79  | 65.667          | 32,83  | 323,5                  | 32,99  | 72.726          | 36,36  | 342,0                  | 34,87  | 76.885          | 38,44  |
| 20                  |       | 1,84   | 1,23  | 321,0                  | 32,73  | 72.164          | 36,08  | 355,5                  | 36,25  | 79.920          | 39,96  | 379,0                  | 38,65  | 85.203          | 42,60  |
| 22                  |       | 2,21   | 1,49  | 391,7                  | 39,94  | 88.058          | 44,03  | 433,7                  | 44,23  | 97.500          | 48,75  | 458,5                  | 46,75  | 103.075         | 51,54  |
| 22,23               | 7/8   | 2,26   | 1,52  | 394,9                  | 40,27  | 88.784          | 44,39  | 435,0                  | 44,36  | 97.792          | 48,90  | 462,0                  | 47,11  | 103.862         | 51,93  |
| 24                  |       | 2,63   | 1,77  | 464,5                  | 47,37  | 104.424         | 52,21  | 514,3                  | 52,44  | 115.619         | 57,81  | 556,0                  | 56,70  | 124.994         | 62,50  |
| 25                  |       | 2,86   | 1,92  | 504,2                  | 51,41  | 113.349         | 56,67  | 558,2                  | 56,92  | 125.488         | 62,74  | 602,0                  | 61,39  | 135.335         | 67,67  |
| 25,40               | 1     | 2,94   | 1,98  | 519,0                  | 52,92  | 116.676         | 58,34  | 572,0                  | 58,33  | 128.591         | 64,30  | 611,0                  | 62,30  | 137.358         | 68,68  |
| 26                  |       | 3,13   | 2,10  | 548,9                  | 55,97  | 123.398         | 61,70  | 607,8                  | 61,98  | 136.639         | 68,32  | 655,0                  | 66,79  | 147.250         | 73,62  |
| 28                  |       | 3,60   | 2,42  | 629,6                  | 64,20  | 141.540         | 70,77  | 697,3                  | 71,10  | 156.759         | 78,38  | 748,0                  | 76,27  | 168.157         | 84,08  |
| 28,58               | 1 1/8 | 3,67   | 2,46  | 638,0                  | 65,06  | 143.428         | 71,71  | 707,0                  | 72,09  | 158.940         | 79,47  | 751,0                  | 76,58  | 168.831         | 84,42  |
| 30                  |       | 4,12   | 2,77  | 727,1                  | 74,14  | 163.459         | 81,73  | 803,0                  | 81,88  | 180.522         | 90,26  | 864,0                  | 88,10  | 194.235         | 97,12  |
| 31,75               | 1 1/4 | 4,59   | 3,09  | 812,0                  | 82,80  | 182.545         | 91,27  | 895,0                  | 91,26  | 201.204         | 100,60 | 951,0                  | 96,98  | 213.793         | 106,90 |
| 32                  |       | 4,67   | 3,14  | 828,0                  | 84,43  | 186.142         | 93,07  | 911,0                  | 92,90  | 204.801         | 102,40 | 968,0                  | 98,71  | 217.615         | 108,81 |
| 34                  |       | 5,29   | 3,56  | 936,4                  | 95,49  | 210.511         | 105,26 | 1.025                  | 104,52 | 230.429         | 115,21 | 1.091                  | 111,25 | 245.267         | 122,63 |
| 34,93               | 1 3/8 | 5,51   | 3,70  | 954,0                  | 97,28  | 214.468         | 107,23 | 1.057                  | 107,78 | 237.623         | 118,81 | 1.109                  | 113,09 | 249.313         | 124,66 |
| 36                  |       | 5,84   | 3,93  | 1.040                  | 106,05 | 233.801         | 116,90 | 1.150                  | 117,27 | 258.530         | 129,27 | 1.217                  | 124,10 | 273.592         | 136,80 |
| 38                  | 1 1/2 | 6,58   | 4,42  | 1.159                  | 118,19 | 260.554         | 130,28 | 1.271                  | 129,61 | 285.732         | 142,87 | 1.332                  | 135,83 | 299.445         | 149,72 |
| 40                  |       | 7,30   | 4,90  | 1.285                  | 131,03 | 288.879         | 144,44 | 1.410                  | 143,78 | 316.981         | 158,49 | 1.478                  | 150,71 | 332.268         | 166,13 |
| 41,28               | 1 5/8 | 7,47   | 5,02  | 1.305                  | 133,07 | 293.376         | 146,69 | 1.464                  | 149,29 | 329.120         | 164,56 | 1.535                  | 156,53 | 345.082         | 172,54 |
| 42                  |       | 7,98   | 5,36  | 1.403                  | 143,07 | 315.407         | 157,70 | 1.538                  | 156,83 | 345.756         | 172,88 | 1.613                  | 164,48 | 362.617         | 181,31 |
| 44                  |       | 9,00   | 6,05  | 1.554                  | 158,46 | 349.353         | 174,68 | 1.736                  | 177,02 | 390.268         | 195,13 | 1.820                  | 185,59 | 409.152         | 204,58 |
| 44,45               | 1 3/4 | 9,04   | 6,08  | 1.572                  | 160,30 | 353.400         | 176,70 | 1.743                  | 177,74 | 391.842         | 195,92 | 1.828                  | 186,40 | 410.951         | 205,48 |
| 46                  |       | 9,78   | 6,57  | 1.713                  | 174,68 | 385.098         | 192,55 | 1.883                  | 192,01 | 423.315         | 211,66 | 1.975                  | 201,39 | 443.998         | 222,00 |
| 47,63               | 1 7/8 | 10,40  | 6,99  | 1.774                  | 180,90 | 398.811         | 199,41 | 1.964                  | 200,27 | 441.525         | 220,76 | 2.112                  | 215,36 | 474.796         | 237,40 |
| 48                  |       | 10,61  | 7,13  | 1.858                  | 189,46 | 417.695         | 208,85 | 2.055                  | 209,55 | 461.982         | 230,99 | 2.155                  | 219,75 | 484.463         | 242,23 |
| 50                  |       | 11,62  | 7,81  | 1.986                  | 202,52 | 446.470         | 223,24 | 2.253                  | 229,74 | 506.494         | 253,25 | 2.362                  | 240,86 | 530.999         | 265,50 |
| 50,80               | 2     | 11,87  | 7,98  | 2.044                  | 208,43 | 459.509         | 229,75 | 2.283                  | 232,80 | 513.239         | 256,62 | 2.394                  | 244,12 | 538.193         | 269,10 |
| 52                  |       | 12,51  | 8,41  | 2.147                  | 218,93 | 482.665         | 241,33 | 2.427                  | 247,49 | 545.611         | 272,81 | 2.545                  | 259,52 | 572.139         | 286,07 |
| 54                  | 2 1/8 | 13,49  | 9,07  | 2.316                  | 236,17 | 520.657         | 260,33 | 2.607                  | 265,84 | 586.077         | 293,04 | 2.734                  | 278,79 | 614.628         | 307,31 |
| 56                  |       | 14,59  | 9,80  | 2.480                  | 252,89 | 557.526         | 278,76 | 2.800                  | 285,52 | 629.465         | 314,73 | 2.925                  | 298,27 | 657.566         | 328,78 |
| 57,15               | 2 1/4 | 14,92  | 10,03 | 2.572                  | 262,27 | 578.208         | 289,10 | 2.849                  | 290,52 | 640.481         | 320,24 | 3.010                  | 306,93 | 676.675         | 338,34 |
| 58                  |       | 15,67  | 10,53 | 2.649                  | 270,12 | 595.519         | 297,76 | 2.957                  | 301,53 | 664.760         | 332,38 | 3.102                  | 316,32 | 697.357         | 348,68 |
| 60                  |       | 16,71  | 11,23 | 2.842                  | 289,80 | 638.907         | 319,45 | 3.143                  | 320,50 | 706.574         | 353,29 | 3.297                  | 336,20 | 741.195         | 370,60 |
| 60,33               | 2 3/8 | 16,71  | 11,23 | 2.844                  | 290,01 | 639.357         | 319,68 | 3.147                  | 320,90 | 707.474         | 353,74 | 3.301                  | 336,61 | 742.094         | 371,05 |
| 62                  |       | 17,45  | 11,73 | 2.969                  | 302,75 | 667.458         | 333,73 | 3.277                  | 334,16 | 736.699         | 368,35 | 3.448                  | 351,60 | 775.141         | 387,57 |
| 63,50               | 2 1/2 | 18,15  | 12,20 | 3.092                  | 315,30 | 695.109         | 347,55 | 3.424                  | 349,15 | 769.746         | 384,87 | 3.591                  | 366,18 | 807.289         | 403,64 |
| 64                  |       | 18,66  | 12,54 | 3.200                  | 326,31 | 719.388         | 359,69 | 3.509                  | 357,82 | 788.854         | 394,43 | 3.680                  | 375,26 | 827.297         | 413,65 |
| 66                  |       | 19,67  | 13,22 | 3.389                  | 345,58 | 761.877         | 380,94 | 3.708                  | 378,11 | 833.591         | 416,80 | 3.896                  | 397,28 | 875.855         | 437,93 |
| 66,68               | 2 5/8 | 19,94  | 13,40 | 3.405                  | 347,21 | 765.474         | 382,74 | 3.760                  | 383,41 | 845.281         | 422,64 | 3.954                  | 403,20 | 888.894         | 444,45 |
| 68                  |       | 20,81  | 13,98 | 3.565                  | 363,53 | 801.444         | 400,72 | 3.924                  | 400,14 | 882.150         | 441,08 | 4.117                  | 419,82 | 925.538         | 462,77 |
| 70                  | 2 3/4 | 21,69  | 14,57 | 3.733                  | 380,66 | 839.212         | 419,61 | 4.026                  | 410,54 | 905.081         | 452,54 | 4.330                  | 441,54 | 973.423         | 486,71 |
| 72                  |       | 23,26  | 15,63 | 3.965                  | 404,32 | 891.367         | 445,68 | 4.250                  | 433,38 | 955.438         | 477,72 | 4.570                  | 466,01 | 1.027.377       | 513,69 |