

CASAR FLAT BALANCE ROPE

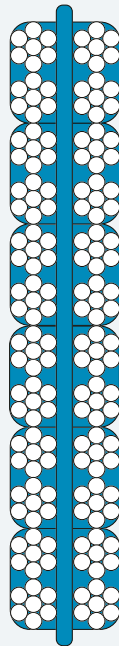
- Koepe Tail / Balance Rope
- Conventional strands
- Designed to have a specific unit weight
- Very flexible
- Very small loop diameter
- Single or double stitched
- Riveted
- Conforms to EN12385-6

PROPERTIES



APPLICATIONS

Our proven and reliable flat rope is perfectly designed to operate as a balance (tail) rope on a koepe friction winder application. It is made according to the EN12385 standard at the most modern manufacturing line worldwide. Due to its flat shape, very small balance rope loop diameters are possible to fit into small shaft compartments.



| Nominal values width w x thickness s mm | | Nominal diameter of load- bearing wires | Sum of nominal cross sectional area of load-bearing wires | Nominal rope length mass of lubricated rope | | | Minimum Aggregate Breaking Force F _{0.9m} | |
|---|-------------------------------|---|---|--|--------------------|---------------------|---|------|
| double stitched | single stitched or riveted | | | double stitched | single stitched | riveted/ clamped | 1370 | 1570 |
| mm | mm | mm | mm ² | kg/100 m | kg/100 m | kg/100 m | kN | kN |
| Rope class: 6 x 4 x 7 = 6 unit ropes each of 4 strands each of 1+6 wires = 168 wires | | | | | | | | |
| 70x17 | 70x15 | 1.6 | 338 | 342 | 328 | 322 | 463 | 531 |
| 74x18 | 74x16 | 1.7 | 381 | 385 | 370 | 362 | 522 | 598 |
| 78x19 | 78x17 | 1.8 | 428 | 433 | 416 | 407 | 586 | 672 |
| 82x20 | 82x18 | 1.9 | 476 | 481 | 462 | 453 | 652 | 747 |
| 87x21 | 87x19 | 2.0 | 526 | 534 | 513 | 502 | 723 | 829 |
| 91x22 | 91x20 | 2.1 | 582 | 588 | 565 | 553 | 797 | 914 |
| 95x23 | 95x21 | 2.2 | 639 | 646 | 620 | 607 | 875 | 1003 |
| Rope class: 8 x 4 x 7 = 8 unit ropes each of 4 strands each of 1+6 wires = 224 wires | | | | | | | | |
| 110x20 | 110x18 | 1.9 | 635 | 642 | 616 | 604 | 870 | 997 |
| 115x20 | 115x18 | 1.95 | 669 | 676 | 649 | 636 | 917 | 1050 |
| 116x21 | 116x19 | 2.0 | 704 | 711 | 683 | 669 | 964 | 1105 |
| 119x21 | 119x19 | 2.05 | 739 | 747 | 717 | 702 | 1010 | 1160 |
| 122x22 | 122x20 | 2.1 | 776 | 784 | 753 | 738 | 1060 | 1220 |
| 125x22 | 125x20 | 2.15 | 813 | 822 | 789 | 773 | 1110 | 1280 |
| 128x23 | 128x21 | 2.2 | 851 | 860 | 826 | 809 | 1170 | 1340 |
| Rope class: 6 x 4 x 12 = 6 unit ropes each of 4 strands each of 3+9 wires = 288 wires | | | | | | | | |
| 112x26 | 112x23 | 1.9 | 817 | 826 | 793 | 768 | 1120 | 1280 |
| 115x26 | 115x23 | 1.95 | 860 | 869 | 835 | 809 | 1180 | 1350 |
| 118x27 | 118x24 | 2.0 | 905 | 914 | 878 | 851 | 1240 | 1420 |
| 121x27 | 121x24 | 2.05 | 951 | 961 | 923 | 894 | 1300 | 1490 |
| 124x28 | 124x25 | 2.1 | 998 | 1010 | 968 | 939 | 1370 | 1570 |
| 127x28 | 127x25 | 2.15 | 1046 | 1060 | 1020 | 984 | 1450 | 1640 |
| 130x29 | 130x26 | 2.2 | 1095 | 1110 | 1070 | 1030 | 1500 | 1720 |
| Rope class: 8 x 4 x 12 M = 8 unit ropes each of 4 strands each of 3+9 wires = 384 wires | | | | | | | | |
| 146x25 | 146x23 | 1.9 | 1089 | 1100 | 1060 | 1030 | 1490 | 1710 |
| 149x26 | 149x23 | 1.95 | 1147 | 1160 | 1120 | 1080 | 1570 | 1800 |
| 154x27 | 154x24 | 2.0 | 1206 | 1220 | 1170 | 1140 | 1650 | 1890 |
| 157x27 | 157x24 | 2.05 | 1267 | 1280 | 1230 | 1190 | 1740 | 1990 |
| 160x28 | 160x25 | 2.1 | 1330 | 1350 | 1290 | 1250 | 1820 | 2090 |
| 165x28 | 165x25 | 2.15 | 1394 | 1410 | 1360 | 1310 | 1910 | 2190 |
| 168x29 | 168x26 | 2.2 | 1460 | 1480 | 1420 | 1380 | 2000 | 2290 |
| Rope class: 8 x 4 x 14 M = 8 unit ropes each of 4 strands each of 4+10 wires = 448 wires | | | | | | | | |
| 168x28 | 168x25 | 2.0 | 1407 | 1430 | 1370 | 1330 | 1950 | 2210 |
| 172x29 | 172x26 | 2.05 | 1479 | 1500 | 1440 | 1390 | 2030 | 2320 |
| 176x29 | 176x26 | 2.1 | 1552 | 1570 | 1510 | 1460 | 2130 | 2440 |
| 180x30 | 180x27 | 2.15 | 1626 | 1650 | 1580 | 1530 | 2230 | 2550 |
| 184x30 | 184x27 | 2.2 | 1703 | 1720 | 1660 | 1600 | 2330 | 2670 |
| Rope class: 8 x 4 x 19 M = 8 unit ropes each of 4 strands each of 1+6+12 wires = 608 wires | | | | | | | | |
| 186x31 | 186x28 | 1.9 | 1724 | 1750 | 1680 | 1620 | 2360 | 2710 |
| 190x32 | 190x29 | 1.95 | 1816 | 1840 | 1780 | 1700 | 2490 | 2850 |
| 194x33 | 194x30 | 2.0 | 1910 | 1950 | 1860 | 1800 | 2620 | 3000 |
| 200x34 | 200x31 | 2.05 | 2007 | 2030 | 1950 | 1890 | 2750 | 3150 |
| 204x34 | 204x31 | 2.1 | 2106 | 2130 | 2040 | 1980 | 2890 | 3310 |
| 210x36 | 210x32 | 2.15 | 2207 | 2230 | 2140 | 2080 | 3020 | 3460 |
| 216x37 | 216x33 | 2.2 | 2311 | 2330 | 2240 | 2180 | 3170 | 3630 |

Values according to EN 12385-6:2004. Product specifications are subject to change without notice or obligation. The shown drawings or cross sections are only for illustrative purposes. The images can vary depending on requested diameter and current status of technical development. This table is for reference only. Additional sizes available upon request.

Special constructions and diameters available – please contact us directly.