

Endurance Dyform 34LR/PI/MAX

Product Benefits and Features

Breaking force

Strongest of all ropes in the rotation-resistant product range — confirmed by Bridon's Powercheck process.

Resistance to rotation

Greatest resistance to rotation of all ropes in the rotation-resistant product range — confirmed by Bridon's unique Twistcheck testing program.

Resistance to bending fatigue

Longer bend-fatigue life when compared with conventional rotation-resistant ropes — confirmed by laboratory testing and extensive field experience.

Resistance to crushing

Excellent resistance to crushing and abrasion due to the rope's compact design and the Dyform strands — recommended when multi-layer spooling is involved.

Reduced elongation

Increased steel content and the Dyform process minimize elongation.

Reduced sheave wear

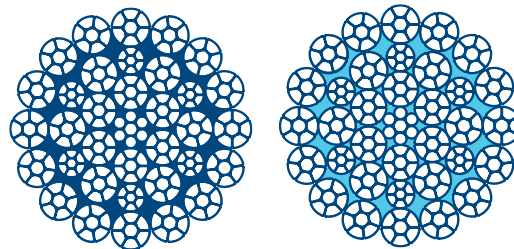
Smooth outer Dyform surface decreases the amount of sheave wear.

Long service life

Exceptional performance means less down time and more work time.

Optional plastic coating of IWRC

IWRC coating extends fatigue life, improves structural stability, and resists corrosion.



Endurance Dyform 34LR

10mm - 40mm 34x7 WSC - Dyform Strands

PI signifies full plastic coating of the steel core.

| Lay Type | | Lay Direction | | Finish | | Grade n/mm ² | | |
|----------|------|---------------|-----------|--------|------|-------------------------|------|-----|
| Regular | Lang | Right hand | Left hand | Bright | Galv | 1960 | 2160 | MAX |
| | • | • | • | • | | • | • | • |

Available as standard.



Endurance Dyform 34LR



| Diameter | | Approx mass WSC | | Min breaking force | | | |
|----------|----|-----------------|-------|--------------------|--------|--------|--------|
| | | | | Rope grade | | | |
| | | | | 1960 | | 2160 | |
| in | mm | lb/ft | kg/ft | tons | kN | tons | kN |
| | 14 | 0.65 | 0.30 | 20.10 | 179.00 | 21.50 | 191.00 |
| 9/16 | | 0.68 | 0.30 | 20.80 | 185.00 | 22.70 | 201.00 |
| 5/8 | 16 | 0.84 | 0.37 | 26.10 | 232.00 | 28.20 | 251.00 |
| | 18 | 1.07 | 0.48 | 33.50 | 298.00 | 35.90 | 319.00 |
| 3/4 | 19 | 1.21 | 0.53 | 37.00 | 329.00 | 40.00 | 356.00 |
| | 20 | 1.32 | 0.60 | 41.60 | 370.00 | 44.60 | 397.00 |
| | 21 | 1.51 | 0.68 | 45.00 | 400.00 | 48.60 | 432.00 |
| | 22 | 1.61 | 0.73 | 49.70 | 442.00 | 54.20 | 482.00 |
| 7/8 | | 1.65 | 0.73 | 50.40 | 448.00 | 54.80 | 487.00 |
| | 23 | 1.75 | 0.80 | 54.00 | 480.00 | 56.90 | 506.00 |
| | 24 | 1.92 | 0.87 | 59.30 | 528.00 | 64.00 | 569.00 |
| 1 | | 2.15 | 0.95 | 62.40 | 555.00 | 70.00 | 623.00 |
| | 26 | 2.28 | 1.04 | 69.50 | 618.00 | 74.00 | 658.00 |
| | 28 | 2.63 | 1.19 | 76.00 | 676.00 | 82.60 | 735.00 |
| 1 1/8 | | 2.73 | 1.20 | 79.50 | 689.00 | 83.60 | 744.00 |
| | 30 | 3.07 | 1.36 | 92.50 | 823.00 | 94.00 | 836.00 |
| 1 1/4 | 32 | 3.37 | 1.49 | 98.20 | 874.00 | 110.20 | 980.00 |

NOTE: All sizes have been Powerchecked



Endurance Dyform 34XL



| Diameter | | Approx mass WSC | | Min breaking force | |
|----------|----|-----------------|-------|--------------------|--------|
| | | | | Rope grade | |
| | | | | 34XL | |
| in | mm | lb/ft | kg/ft | tons | kN |
| 5/8 | 16 | 0.84 | 0.37 | 30.60 | 272.00 |
| 3/4 | 19 | 1.21 | 0.53 | 42.90 | 382.00 |
| 1 | | 2.15 | 0.95 | 71.70 | 638.00 |
| | 26 | 2.28 | 1.04 | 74.00 | 658.00 |
| | 28 | 2.63 | 1.19 | 84.40 | 751.00 |
| 1 1/8 | | 2.73 | 1.20 | 86.90 | 773.00 |
| | 29 | 2.94 | 1.30 | 86.90 | 829.00 |
| 1 1/4 | 32 | 3.37 | 1.49 | 110.2 | 980.00 |

NOTE: All sizes have been Powerchecked

Endurance Dyform 34MAX



| Diameter | | Approx mass WSC | | Min breaking force | |
|----------|----|-----------------|-------|--------------------|---------|
| | | | | Rope grade | |
| | | | | 34MAX | |
| in | mm | lb/ft | kg/ft | tons | kN |
| 1 | | 2.26 | 0.99 | 76.90 | 684.00 |
| | 26 | 2.39 | 1.09 | 79.30 | 705.00 |
| | 28 | 2.76 | 1.25 | 91.60 | 814.00 |
| 1 1/4 | 32 | 3.74 | 1.64 | 122.00 | 1085.00 |

NOTE: All sizes have been Powerchecked