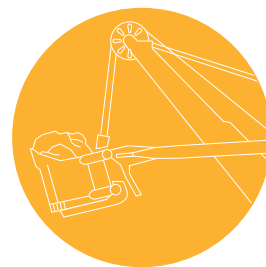


Introducing the
new

CUSHION-PAC® ULTRA

High-performance
shovel rope



MINEX®

Advanced plastic technology
(APT) core

Optimal strand positioning

Dy-pac strands

Interlocking outer
plastic jacket



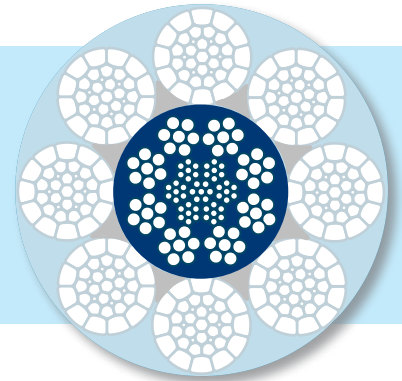
WIRE ROPE
INDUSTRIES

Outperform with our ropes

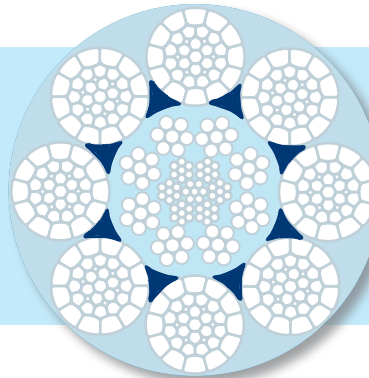


SPECIAL FEATURES

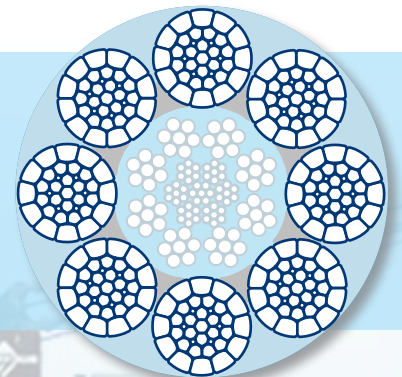
ADVANCED
PLASTIC
TECHNOLOGY
(APT) CORE



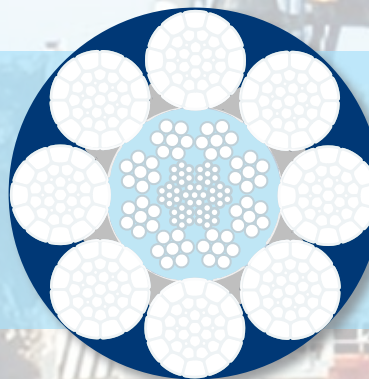
OPTIMAL
STRAND
POSITIONING



DY-PAC
STRANDS



INTERLOCKING
OUTER PLASTIC
JACKET



The specially designed CUSHION-PAC® ULTRA (patent pending) was developed to outperform any existing shovel rope on the market today. Special features such as APT Cushion Core, inter-strand wormings and protective plastic sheathing allows the CUSHION-PAC® ULTRA to reach new levels of productivity.



SPECIAL FEATURES

FEATURES

Protection against strand-to-core contacts
Lubricant retention
Superior outer strand support

BENEFITS

Less wire notching
Extended fatigue life
Improved dimensional stability

FEATURES

Exclusive wormings insure evenly spaced strands
Minimized metal to metal contacts

BENEFITS

Even distribution of the working load
Extended fatigue life

FEATURES

Higher metallic area
Smooth outer surface

BENEFITS

Increased strength and crush resistance
Improved fatigue life and reduced wear on rope and drum

FEATURES

Lubricant retention
Controlled outer plastic jacket

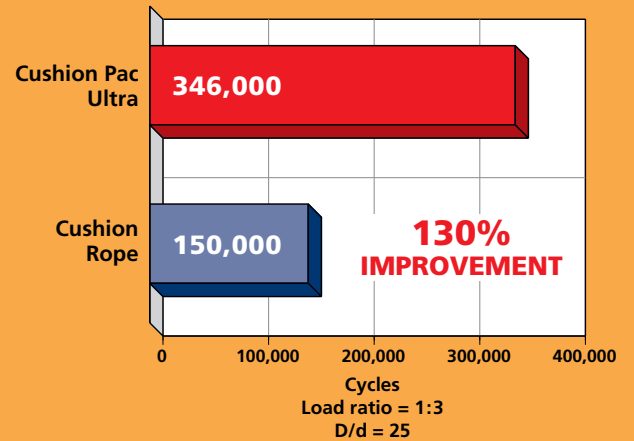
BENEFITS

Increased fatigue life
Minimized abrasion on the rope crowns, the drums and the sheaves

Cushion-Pac Ultra Outperforms

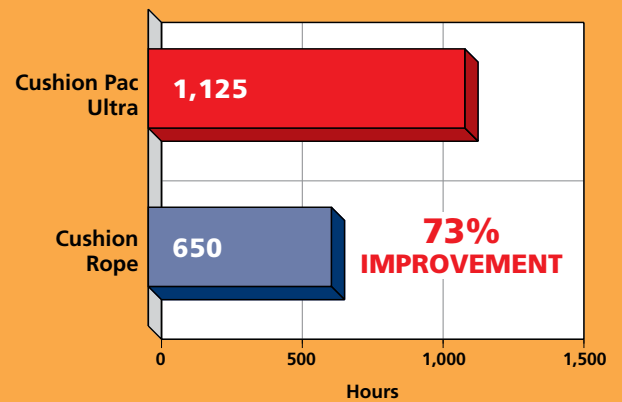
Laboratory Testing

Comparative fatigue testing of regular 8 strand dypac Cushion Rope vs new Cushion Pac Ultra



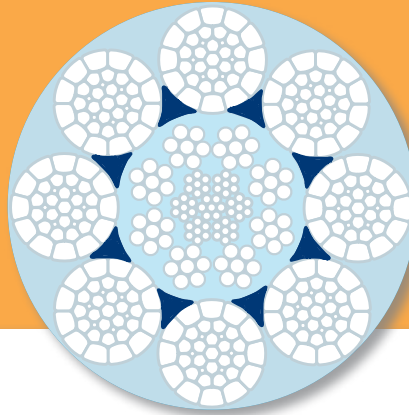
Field Test Results

Field test results for Cushion Pac Ultra rope diameter 2-3/4



CUSTOMER BENEFITS

- 3 Reduced Machine Down-Time
- 3 Fewer Rope Change-Outs
- 3 Minimal Sheave and Drum Wear
- 3 Rope Cleanliness
- 3 A Net Increase in Output



CUSHION-PAC® ULTRA

Weights and Breaking loads

| Diameter inches (mm) | Rope Construction | Approx. Weight lbs/ft (kg/m) | Nominal Breaking Load-tons (kN) |
|-------------------------|--------------------------|---------------------------------|------------------------------------|
| 1-1/2 (38) | 8 x 31 Cushion-Pac Ultra | 4.52 (6.73) | 116 (1 032) |
| 1-5/8 (41) | 8 x 31 Cushion-Pac Ultra | 5.34 (7.95) | 135 (1 201) |
| 1-3/4 (44) | 8 x 31 Cushion-Pac Ultra | 6.16 (9.17) | 158 (1 406) |
| 1-7/8 (48) | 8 x 31 Cushion-Pac Ultra | 7.06 (10.51) | 180 (1 601) |
| 2 (51) | 8 x 31 Cushion-Pac Ultra | 7.86 (11.70) | 202 (1 797) |
| 2-1/8 (54) | 8 x 31 Cushion-Pac Ultra | 9.10 (13.54) | 232 (2 064) |
| 2-1/4 (57) | 8 x 31 Cushion-Pac Ultra | 10.14 (15.09) | 258 (2 295) |
| 2-3/8 (60) | 8 x 31 Cushion-Pac Ultra | 11.21 (16.68) | 285 (2 536) |
| 2-1/2 (64) | 8 x 31 Cushion-Pac Ultra | 12.55 (18.67) | 320 (2 847) |
| 2-5/8 (67) | 8 x 31 Cushion-Pac Ultra | 13.98 (20.80) | 357 (3 176) |
| 2-3/4 (70) | 8 x 36 Cushion-Pac Ultra | 15.17 (22.57) | 369 (3 283) |
| 3 (76) | 8 x 36 Cushion-Pac Ultra | 18.05 (26.86) | 459 (4 085) |

Breaking load values are subject to a minus tolerance of 5%.



WIRE ROPE
INDUSTRIES
Outperform with our ropes

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or visit us at www.wirerope.com