

# Helix™ High-Performance Roundslings

A New Innovative Lifting Sling By Slingmax Rigging Solutions



# Fabrication



- Helix™ is fabricated on the same Slingmax Roundsling Machine as Twin-Path® slings.
- Helix™ Sling outer HMPE jacket manufactured domestically by Yale Cordage.
  - Highly abrasion resistant, tested by extensive field trials.
- Helix™ outer Jacket includes Rifled Cover® Technology - increasing sling strength while decreasing footprint (width) and sling weight.



# Features: K-Spec<sup>®</sup>



Helix™ Core Fiber is K-Spec

- Blend of complimentary high-performance fibers
- K-Spec fiber has ten times the strength of steel, but 90% less weight.
- Refined for over 30 years to provide the strongest and most durable internal core fiber on the market
- Less than 1% elongation at rated capacity
- DNV approved



# Diameter under Load & Tagging



5inch sling width: 200K Vertical Capacity



Utilizing strong 3M rubber shrink tube to close the sling and secure the Etiflex tag



# Helix Features



- K-Spec® Core Yarn
- Compact width
  - Fits in narrow hardware where Twin-Path Slings wont
- Rifled Cover Technology
- Lightweight design
- Braided abrasion resistant HMPE Jacket
- Compatible with Slingmax Cornermax Sleeve, Pad, and Spider Sleeve abrasion protection
- Helix™ is DNV Approved
  - K-Spec is the first blended fiber core yarn to be approved by DNV.

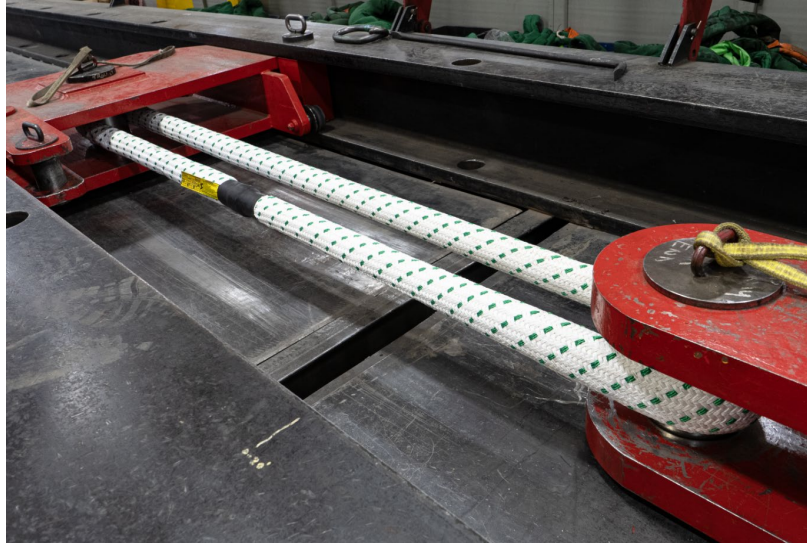


# Testing



## Completed Testing

- 55 Slings tested to failure
- Smallest sling 49,300 lb break
- Largest sling 1,106,000 lb break
- Helix confirms to the following Standards:
  - ANSI/ASME B30.9 chapter 6, NAVFAC P-307 section 14.7.4.3 , Cordage Institute CI-1905, and Web Sling & Tie Down Association WSTDA-RS-1HP



# Fulfilling Market Needs



## **Lightweight Handling with High Strength Capacity:**

Helix features an HMPE core and braided jacket, delivering unmatched strength in a lightweight ergonomic design, reducing strain on riggers while providing increased load capacity to meet lifting needs with ease and

**Optimized Design:** Engineered to have a narrow profile, Helix enhances rigging flexibility ensuring it fits snugly into hardware such as shackles, sister hooks, and other rigging components. Thanks to the sling's reduced width, Helix eliminates the need for cumbersome temporary or permanent sling tapers, optimizing rigging configurations, and maximizing safety and efficiency.



# Helix Accessories



- Spider Sleeve Abrasion Protection Sleeve
- Cornermax Sleeve & Pad

Eye & Eye Slings with thimble eye protection

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