

LOUPS™

Fiber Type:

HMPE abrasion sleeve



LOUPS high-modulus endless slings, by Yale Cordage or a Yale Cordage licensee, significantly advance the technology of lifting slings by utilizing a strength-optimizing, multiple-strand endless braid of High Modulus Polyethylene (HMPE) fiber from, encased in a polyethylene abrasion sleeve.

LOUPS are the **most efficient synthetic slings** available and are **far lighter than steel or conventional round slings**. LOUPS bend gracefully; if you look inside a LOUP, you will find just one continuous looped piece of rope (Image 1), which has been end-for-end spliced to itself.

The core elements of the LOUP utilize bio-based Dyneema® fiber. Made with bio-based feedstock, this fiber maintains the unique properties of Dyneema® while providing a more sustainable solution without compromising final product performance. The diameter of the LOUP core and the number of wraps vary by the tensile strength of the LOUP Yale is building. Since the strength element is small, this product has a 1.1:1 D/d ratio (or bending radius) for Vertical WL. Simply put, LOUPS are less affected by sharp bending radii than larger ropes of comparable strength. LOUPS can be produced as small as 3” in length and as large as 5 million lbs. tensile.

