

THE TUFLEX DIFFERENCE

All **Lift-All** slings meet or exceed OSHA and ASME B30.9 standards and regulations

What is a Tuflex Roundsling?

A *Tuflex* roundsling is an endless synthetic sling made from a skein of polyester yarn covered by a double-wall tubular jacket. The roundsling body can be compared to sling webbing with the tubular jacket face yarns woven without binder yarns. This allows the core yarns to move independently within the jacket.

Tufhide Jacket on EN360 and Larger Slings

The double-wall *Tufhide* jacket (made from bulked nylon fibers) offers better abrasion resistance for our larger capacity *Tuflex* Slings. Additionally, *Tufhide* reduces the heat buildup that can damage other high capacity roundslings when used in a choker hitch.

Features and Benefits

Promotes Safety

- Lightweight to reduce fatigue and strain on riggers.
- Synthetic materials won't cut hands.
- Consistent matched lengths for better multiple sling load control.
- No loss of strength from abrasion to cover.
- *Tuff-Tag* provides serial numbered identification for traceability.
- Low stretch (about 3% at rated capacity).
- Reduces sling and load abrasion.
- Good for low headroom lifts.
- Conforms to shape of load to grip securely.

- Tubular jacket protects load bearing yarns from UV degradation.
- Red core yarns provide added visual warning of sling damage.
- Color-coding provides positive sling capacity information.

Saves Money

- Double-wall cover for greater sling life.
- The soft cover won't scratch load surface.
- Conforms to shape of the load for reduced load damage.
- The cover is seamless with no sewn edges, preventing rupture which requires removal from service.
- EN360 and larger *Tuflex* roundslings feature *Tufhide* wear-resistant nylon jacket for extra sling life.
- *Tuff-Tag* provides required OSHA information for the life of the sling.

Saves Time

- Color-coded capacities for quick identification.
- Lightweight and pliable for easy rigging and storage.
- Independent core yarns choke tightly but release easily after use.
- Easy to carry.

WARNING

Follow temperature and chemical information located in the WEB section of this catalog.

Always protect synthetic slings from being cut or damaged by corners, edges and protrusions using protection sufficient for each application.

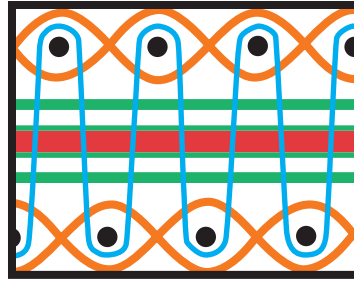


Refer to Sling Protection section in this catalog.

Construction Comparisons: Sling Webbing versus Tuflex Sleaving

Sling Webbing

- Transverse pick yarns inter-relate with binder yarns.
- Woven surface yarns cover each side and carry a portion of the load.
- Strip of longitudinal core yarns bears majority of load.
- Binder yarns secure the surface yarns to web core yarns.
- Red core warning yarns.

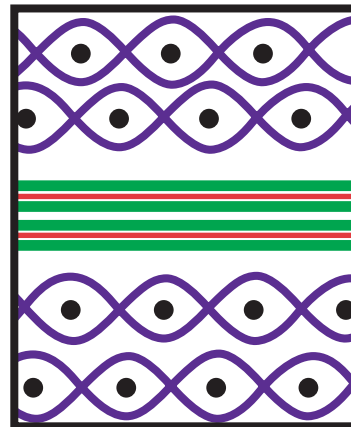
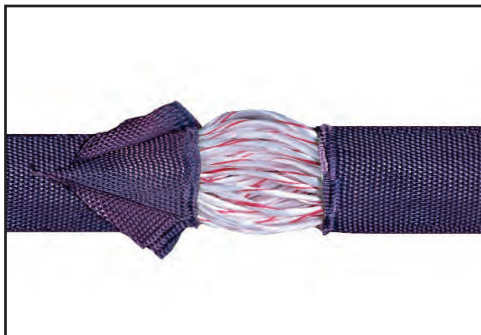


**Sling Webbing
(Side View)**

Sling webbing (as graphically demonstrated), has its surface yarns connected from side to side, to not only protect the core yarns but to position all surface and tensile yarns to work together to support the load. Wear or damage to sling webbing face yarns cause an immediate strength loss. This is the reason why sling webbing has red core yarns to visually reveal damage and act as a basis for sling rejection.

Tuflex Sleaving

- Transverse pick yarns position surface yarns and protect core yarns.
- Woven surface yarns protect core yarns, but carry no load.
- Longitudinal core yarns carry 100% of load.
- Red core warning yarns.



**Tuflex Sleeve
(Side View)**

Roundslings construction (as shown above), protects all load carrying core yarns from abrasion with an independent, woven jacket. Replacement is not necessary until the red or white core yarns can be seen through holes in the jacket. When core yarns are visible, the sling must be removed from service. Tuflex roundslings provide double-wall protection for extended sling life.

HOW TO ORDER

Ordering Tuflex Polyester Roundslings*

1. Specify sling Part Number found in the charts throughout the Tuflex section.
 2. Specify sling length in feet (bearing point to bearing point). Refer to footnotes under Tuflex tables for specific sling lengths and tolerances.
 3. Matched lengths of slings must be specified at time of order.
- Endless and Eye & Eye styles of Tuflex are made to a tolerance of $\pm (1" + 1\% \text{ of the specified length})$, and can stretch 3% at rated capacity.
 - Braided Tuflex length tolerance is $\pm (2" + 5\% \text{ of the ordered length w/sling at rest})$. At its rated capacity, braided Tuflex will stretch approximately 9%.

* Prior to sling selection and use, please review and understand the HELP section in this catalog.