

TURBINE BLADE LIFTING SLINGS

LIFTING SLINGS FOR WIND TURBINE BLADES



Wind power is one of the cleanest and most environmentally friendly energy sources available today. However, handling advanced wind turbine components presents major logistical challenges. As innovation drives larger blades and turbines, transporting and installing these massive components safely becomes increasingly complex.

Protecting the Blades

Turbine blades are among the most valuable components of a wind turbine. Protecting them during transport — whether on land or at sea—is essential to ensure they arrive at their destination undamaged and ready for installation.

Cortland International's patented soft Turbine Blade Lifting Slings, engineered from high-modulus polyethylene (HMPE) fiber, are tailor-made for the wind energy market. Proven in the field, these slings safely lift and rotate turbine blades without slippage or cracking. Their unique flattened profile distributes the load evenly over a wider surface area, minimizing stress and preventing damage to the blade structure.

Combining patented design with high-performance synthetic fiber technology, Cortland International's Turbine Blade Lifting Slings deliver exceptional strength, durability, and versatility for today's most demanding blade transport and installation projects.

Features

- Lightweight—yet stronger than steel
- Gentle on hands, gentle on blades
- Flatten under load for optimal contact
- Reduce stress on lifted components
- Exceptional flex fatigue and abrasion resistance
- Easy to handle, store, and transport
- Custom-designed for each application

Email contact@cortlandinternational.com for an initial discussion or visit us online at cortlandinternational.com.

Turbine Blade Lifting Sling

Part No*	Description	Material	Min. Breaking Strength	Weight in Air	Weight in Sea Water	Specific Gravity
SX48-RO-TOR10TE	Blade Lifting Sling	High Modulus Polyethylene	154,400 lbs (70 Te)	70.96 lbs/100 ft	-4.2lbs/100ft	0.98

* other sizes available upon request

