NEWSLETTER

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Understanding Working Load Limit and Breaking Strength

In this month's rigging refresher, we're breaking down two critical terms that every lift depends on:

Working Load Limit and Breaking Strength. When selecting rigging and lifting equipment, knowing the difference between these two is essential for safety.

- **Working Load Limit (WLL):**
  - The maximum load equipment is designed to carry safely during regular use
  - Also called Safe Working Load (SWL) or Rated Capacity
  - Determined by manufacturers and marked on the product with important details (item code, batch number, size, etc.)
- **Breaking Strength:**
  - The maximum force equipment can withstand before breaking or failing
  - Also known as the Ultimate Strength or Tensile Strength
  - Determined through destructive testing (where equipment is loaded to failure)
- **Why It Matters: The Safety Factor Connection**
  - The safety factor (typically 4:1 or higher) bridges these two critical measurements.

    Example: A component with a 90,400 lbs breaking strength and a 4:1 safety factor has a WLL of 22,600 lbs (10 Tons).

Pro Tip: For real-world examples of WLL ratings, consult our new G100 Catalog - your comprehensive resource for:

✓ **Working Load Limits**
✓ **Detailed product specifications**
✓ **Critical lift planning data**

Stay safe and lift smart! Need help selecting the right hardware? Our team is always ready to assist.

Introducing the Brand-New G100 Catalog

We're thrilled to announce that our exclusive G100 product catalog is now available in digital format! This comprehensive resource showcases our latest offerings and innovations. Hard copies are expected to arrive by mid-August - stay tuned!

Contact us to request your digital copy today!

Thank you for your Continued Support!