GRXRPU800

ROPE PRESSING UNIT



OVERVIEW

The Groxx GRXRPU800 is a heavy-duty, high-precision rope press unit specifically engineered for 800 kg capacity traction hoists used in suspended access platforms, swing stages, and material lifting systems. Designed to maintain continuous mechanical engagement between the wire rope and the drive sheave, the GRXRPU800 prevents cable slippage, rope deformation, and operational jams under demanding industrial loads.

KEY FEATURES

- **Positive Traction Management**: Applies precise, continuous radial force to lock the wire rope into the drive sheave grooves, guaranteeing reliable lifting capacity up to its 800 kg rating.
- **Controlled Cable Transit**: Guides the wire rope smoothly through the drive zone, eliminating twisting, bird-caging, and uneven wear during high-frequency ascent and descent cycles.
- **Slack-Rope Protection**: Keeps the cable firmly seated in the traction sheave during zero-load conditions or sudden loss of line tension, preventing internal jams.
- **Emergency Response Engagement**: Maintains the required baseline tension for secondary overspeed and safety locks to trigger instantly if an emergency overspeed event occurs.

TECHNICAL SNAPSHOT

PARAMETER	GRXRPU800
Model Number	GRXRPU800
Rated Hoist Capacity	800 kg
Compatible Rope Diameter	8.3 mm to 9.5 mm Traction Wire Rope
Pressure Mechanism	Self-Adjusting Heavy-Duty Compression Springs
Roller Material	Hardened Chrome-Alloy Steel
Housing Material	AISI 316 Stainless Steel & Galvanized Steel
Weight	3.2 kg

USE & INSPECTION

Install to the Groxx instructions by trained installers. Inspect before each use and at least every 12 months by a competent person.

STANDARDS

See product page

The GRXRPU800 Rope Press Unit eliminates traction slip and cable deformation—the primary drivers of suspended platform downtime.

FULL DATA SHEET ↗

Product page ↗