

ROPE DIVIDER PLATE (UPPER + LOWER)

GRXRDPU800

TECHNICAL SPECIFICATION

GROXX TRACTION HOIST ACCESSORIES | GRXRDPU800 ROPE DIVIDER PLATE

The **Groxx GRXRDPU800** is a high-precision internal guide plate engineered for 800 kg capacity traction hoists. Positioned within the internal drive chamber, this component acts as a physical barrier to separate incoming and outgoing wire ropes. By preventing cable overlap, crossing, and internal friction, the GRXRDPU800 ensures smooth cable spooling and protects the hoist's drive mechanism from catastrophic jams during continuous lifting operations.

PRIMARY FUNCTIONS

- Cable Separation & Routing:** Maintains a rigid physical boundary between the primary load-bearing wire rope and the slack tail rope, preventing cross-threading and entanglement inside the hoist housing.
- Sheave Groove Alignment:** Accurately guides the wire rope into and out of the traction sheave grooves at optimal entry angles, reducing lateral wear on the cable and pulley.
- Friction & Wear Reduction:** Minimizes metal-on-metal abrasion and cable-on-cable contact, extending the operational life of the wire rope assembly.
- System Jam Prevention:** Eliminates internal rope bunching and bird-caging during rapid vertical movements or zero-load operations.



TECHNICAL SPECIFICATIONS

FEATURE	SPECIFICATION
Model Number	GRXRDPU800
Rated Hoist Capacity	800 kg Traction Hoist Systems
Compatible Rope Diameter	8.3 mm to 9.5 mm Wire Rope
Primary Material	High-Grade Hardened Alloy Steel / AISI 316SS
Surface Finish	Low-Friction Polished / Anti-Wear Coating
Mounting Interface	Direct Bolt-In Internal Housing Mount
System Weight	0.85 kg

KEY TECHNICAL FEATURES

- Hardened Anti-Wear Construction:** Machined from high-strength alloy steel to withstand continuous high-velocity contact with steel wire rope without grooving or wearing down.
- Low-Friction Precision Edges:** Features smooth, deburred radii on all rope contact points to eliminate cable shearing, strand fraying, and burr formation.
- Precision Bolt Alignment:** Engineered with exact mounting holes for a drop-in fit, allowing fast replacement during routine hoist overhauls and maintenance.
- Corrosion Protection:** Treated with a heavy-duty passivation process to resist rust, moisture, and harsh jobsite chemical exposure.

THE GROXX ADVANTAGE

The **GRXRDPU800 Rope Divider Plate** is an essential internal safety guard for suspended access equipment. By enforcing strict cable separation and precise alignment, Groxx eliminates internal cable tangles—protecting the hoist mechanism, minimizing jobsite downtime, and ensuring reliable vertical travel under heavy multi-use conditions.