

ROPE DIVIDER

GRXRD800

TECHNICAL SPECIFICATION

GROXX TRACTION HOIST ACCESSORIES | GRXRD800 ROPE DIVIDER

The **Groxx GRXRD800** is a high-precision internal rope divider engineered specifically for 800 kg capacity traction hoists used in suspended access platforms, swing stages, and material lifting systems. Installed inside the hoist housing, this component acts as a physical guide barrier to separate incoming and outgoing wire ropes, eliminating internal jams, cable overlap, and excessive friction during continuous ascent and descent.

PRIMARY FUNCTIONS

- Positive Cable Separation:** Enforces a rigid physical boundary between the primary load-bearing rope and the slack tail rope, preventing cable cross-threading and internal entanglements.
- Optimal Entry Alignment:** Feeds the wire rope into the traction sheave grooves at precise entry angles, ensuring maximum contact surface area and reducing lateral cable wear.
- Jam Prevention:** Eliminates cable bunching, bird-caging, and internal binding during rapid direction changes or under zero-load slack conditions.
- Wear Reduction:** Minimizes cable-on-cable abrasion and structural housing wear, extending the operational service life of the entire wire rope assembly.



TECHNICAL SPECIFICATIONS

FEATURE	SPECIFICATION
Model Number	GRXRD800
Rated Hoist Capacity	800 kg
Compatible Rope Diameter	8.3 mm to 9.5 mm Wire Rope
Primary Material	Hardened Chrome-Alloy Steel / AISI 316 Stainless Steel
Surface Finish	Precision Polished / Anti-Wear Passivated Coating
Mounting Style	Direct Internal Chassis Bolt Mount
Weight	0.82 kg

KEY TECHNICAL FEATURES

- Hardened Anti-Wear Alloy:** Machined from high-strength alloy steel designed to withstand high-velocity, continuous contact with steel wire rope without grooving or premature wear.
- Smooth Radius Profiling:** All contact edges feature smooth, deburred radii to prevent cable fraying, strand cutting, or burr formation on the wire rope.
- Direct Drop-In Replacement:** Precision-drilled mounting interfaces allow for fast, hassle-free installation during routine hoist maintenance or field overhauls.
- Corrosion-Resistant Coating:** Finished with a protective coating to prevent rust, oxidation, and chemical degradation on active outdoor construction sites.

THE GROXX ADVANTAGE

The **GRXRD800 Rope Divider** solves the critical challenge of internal hoist rope management. By combining precision metallurgy with low-friction edge geometry, Groxx ensures smooth, jam-free cable travel, protecting your investment and maintaining total operational reliability on high-rise jobsites.