GGDGRU250

DAVIT ARM – GLASS REPLACEMENT UNIT (GRU) | WLL: 250KG



OVERVIEW

The Davit Arm Glass Replacement Unit (GRU) is a high-efficiency architectural maintenance and rigging assembly engineered specifically for handling glazing units and heavy cladding elements during building installation or replacement operations. Combining a lightweight, high-tensile structural aluminum boom layout with a high-torque electric winch setup, this system provides precise, smooth control over material handling at high altitudes.

KEY FEATURES

- **Advanced Structural Metallurgy**: Built using high-strength Aluminum 6061/T6 for the primary upper boom, post, and monorail assemblies to significantly reduce self-weight, easing handling on rooftop setups while guaranteeing maximum structural stiffness.
- **Robust Foundation Interfaces**: The turning components, fixed mount points, and oversized foundation base are forged from heavy-duty Hot-Dip Galvanized (HDG) Q345-B carbon steel to ensure rigidity against large structural overturning moments and extreme outdoor weathering.
- **Integrated Turning Kinematics**: Equipped with a built-in heavy-duty rotating manual slewing interface ("Turning Kit") allowing for smooth pivot arcs during tight glass tracking maneuvers over roof edge boundaries.
- **High Strength-to-Weight Optimization**: The Ø200 × 8 mm structural aluminum post design minimizes architectural load impact on roofing systems, simplifying manual shifting and alignment between multiple pre-installed base sockets across floor layouts.

TECHNICAL SNAPSHOT

PARAMETER	GGDGRU250
STRUCTURAL PARAMETER	
Model Number	GGDGRU250 (Ref: CCG250-L1.5-H1.5)
Safe Working Load (SWL / WLL)	250 kg
System Reach / Outreach Outreach	1500 mm
Total System Height	1815 mm
Column Pivot Height	1599 mm
Davit Base Footprint Dimensions	400 × 400 mm
Column / Post Profile	Aluminum 6061/T6 (Ø200 × 8 mm wall thickness)
Boom Configuration	High-Tensile Aluminum 6061/T6
Monorail Profile Dimension	Aluminum 6061/T6 (116 × 70 mm)
Fixed Mounting & Turning Hub	Hot-Dip Galvanized (HDG) Steel Q345-B
Base Material Base Composition	Hot-Dip Galvanized (HDG) Steel Q345
ELECTRICAL PARAMETER	
Power Drive Model Reference	Heavy-duty industrial series (500–1000 kg class)
Physical Dimensions (L × W × H)	60 × 24 × 26 cm
Operational Supply Voltage	Three-Phase / 380V / 60Hz (3P/380V/60HZ)
Rated Power Output	3500 W
Effective Hoisting Height	0 to 30 meters range
Lifting Line Speed	10 meters per minute (10m/min)
Motor Insulation Rating	Class F
Ingress Protection Level	IP40

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

EN 1808:2015

Designed to EN 1808:2015. Test certificate on request.

FULL DATA SHEET ↗

Product page ↗