

PRODUCT DATA SHEET

Circular Steel Dolly (Ø83 mm) with Centrally Fixed Hook

Heavy-Duty MS Plate Dolly for Load Holding, Positioning and Industrial Testing

GENERAL INFORMATION



Parameter	Details
Equipment Name	Circular Steel Dolly (Ø83mm) with Centrally Fixed Hook
Full Form	Heavy-Duty Mild Steel Circular Dolly with Welded Centre Hook
Application	Secure load holding, positioning and attachment in industrial and laboratory testing operations
Suitable For	Load holding, positioning and industrial testing applications requiring a central attachment point
Construction	Durable heavy-duty MS plate with welded centre hook; corrosion-resistant finish
Dolly Shape	Circular disc, Ø83 mm
Standards Compliance	Suitable for use with ISO and international testing practices

EQUIPMENT DESCRIPTION

The Circular Steel Dolly (Ø 83 mm) is a robust, precision-cut disc fabricated from 5–10 mm thick mild steel (MS) plate, fitted with a hook welded at its exact centre. The centrally fixed hook provides a secure, balanced attachment point, so the load is held and positioned evenly without tilting or off-centre pull. The flat circular base gives a stable, uniform bearing surface, while the continuous welded joint ensures dependable performance under repeated loading. The dolly is simple to use, requires no adjustment, and is suited to demanding laboratory, workshop and site conditions.

MAIN COMPONENTS

1. Circular Dolly Plate:

- Ø83 mm circular disc cut from 5–10 mm thick MS plate
- Flat, machined / ground faces for uniform bearing
- Smooth, deburred edges for safe handling

2. Centrally Fixed Hook:

- Heavy-duty MS hook positioned at the exact centre of the disc
- Firmly welded to the plate for secure attachment
- Smooth, rounded hook profile for easy hooking and release

3. Finish & Protective Coating:

- Corrosion-resistant finish for workshop, laboratory and site use
- Easy to clean and maintain

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TECHNICAL SPECIFICATIONS

Parameter	Specification
Dolly Diameter	Ø83 mm
Plate Thickness	5 – 10 mm (as per requirement)
Hook Position	Centrally fixed (at geometric centre of disc)
Hook Material	Heavy-duty mild steel (MS) round bar / section
Material	Mild steel (MS) plate
Joining Method	Welded construction (centre hook to plate)
Finish	Corrosion-resistant coating
Approximate Weight	0.3 – 0.7 kg (depending on plate thickness and hook size)
Safe Working Load	As per application; confirm at time of order based on plate thickness and hook size

CONSTRUCTION DETAILS

Component	Material
Dolly Plate	Heavy-duty MS plate, 5–10 mm thick, Ø83 mm circular
Hook	MS hook with welded connection at the centre of the plate
Welds	Continuous, cleaned and ground welds for structural integrity
Surface Finish	Corrosion-resistant finish for long service life

SAFETY FEATURES

- Centrally fixed hook ensures balanced, axial load transfer
- Heavy-duty welded joint to prevent failure under load
- Thick MS plate (5–10 mm) resists bending and deformation
- Smooth, deburred edges to protect the operator and equipment
- Corrosion-resistant finish to maintain strength over time
- Stable, symmetrical design for controlled handling

OPERATING FEATURES

- Simple, tool-free operation – no moving parts or adjustments
- Suitable for load holding, positioning and attachment during testing
- Flat circular base for stable seating and uniform contact
- Easy to clean and low maintenance

ENVIRONMENTAL SPECIFICATIONS

Parameter	Range
Installation / Use Location	Laboratory, workshop, casting yard and site testing areas

APPLICATION AREAS

- Industrial testing and quality control laboratories
- Material and construction research facilities
- Fabrication workshops and manufacturing plants
- Highway and bridge project sites
- University and research institutions
- General load holding and positioning applications

MAINTENANCE SCHEDULE

Daily Maintenance: Clean the dolly after use, remove dirt and residue, check for damage or bending.

Monthly Maintenance: Inspect the hook weld and plate for cracks, check finish for wear or rust, touch up coating if required.

Yearly Maintenance: Complete structural inspection, re-coat or refurbish finish if required, replace if bent or damaged.

WARRANTY

Warranty Period: 12 Months (1 Year) from date of installation or invoice.