




Technical Datasheet – SS U Hook with Bolt

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Product Overview

The **SS U Bolt** is a **high-strength industrial fastener** designed to **secure pipes, rails, and solar mounting structures**. Manufactured from **Stainless Steel 304 (S.S. 304)** and **Galvanized Iron (GI)**, this bolt ensures **excellent corrosion resistance, high tensile strength, and durability**. It is suitable for **outdoor solar mounting systems, industrial pipe fixing, and heavy structural support applications**.

Material & Construction

- **Material Options:** Stainless Steel (S.S. 304) / Galvanized Iron (GI)
 - **Finish:** Polished (S.S.) / Zinc Coated (GI)
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Dimensional Range

Attribute	Range / Options
Bolt Size	40 MM, 50 MM, 60x40 MM, Custom Sizes Available
Thread Diameter	M6, M8 (Standard)
Rod Thickness	6 MM, 8 MM
Bend Width (U-Section)	As per customer requirements
Leg Length	Customizable

Mechanical Properties

Property	Value
Tensile Strength (S.S. 304)	≥ 515 MPa
Yield Strength (S.S. 304)	≥ 205 MPa
Hardness	≤ 95 HRB
Corrosion Resistance	High (Salt Spray Test ≥ 72 hrs)

Thread Type

- Metric Coarse Thread (Standard) – ISO Compliant
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Performance Standards

- ASTM A193 / DIN 3570 (Reference standards for U Bolts)
 - IS 1367 (Threaded Fasteners – Strength & Dimensions)
 - ISO 898-1 (Fasteners – Mechanical Properties)
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Coating Options

Coating Type	Corrosion Resistance	Application Suitability
Hot-Dip Galvanized (GI)	High	Outdoor, Solar Structures, Heavy Load Areas
Plain Stainless Steel	Very High	Coastal Areas, Corrosive Environments

Key Features

- ✓ **High Load-Bearing Capacity** – Designed for heavy structural applications.
 - ✓ **Corrosion Resistant** – Built to withstand harsh outdoor environments.
 - ✓ **Custom Manufacturing Available** – Tailored sizes and specifications upon request.
 - ✓ **Weather & Rust Resistant** – Ideal for solar installations, industrial piping, and support systems.
 - ✓ **Bulk Order Ready** – MOQ of **1000 pieces** with **competitive bulk pricing**.
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Applications

- **Solar Mounting Structures** – Securing rails, beams, and frames.
 - **Industrial Pipe Support Systems** – Anchoring pipes in fabrication setups.
 - **Structural Reinforcement** – Heavy-duty support in solar & construction industries.
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Packaging & MOQ (Minimum Order Quantity)

Packaging Type	MOQ
Bulk Packaging (Bags / Cartons)	1000 Pieces

Warranty

- **25 Years – Performance Guarantee**
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Compliance & Certifications

- **ISO 9001:2015 Certified Manufacturing**
 - **Material Test Certificates (MTC) Available on Request**
 - **Third-Party Inspection Accepted**
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Technical Drawing

(Optional – You can insert an engineering drawing showing front and side views with dimensions like A, B, C for width, height, and leg length)

Contact Us

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