

FALCON CORE INDUSTRIES L.L.C

Industrial Fabrication | Laboratory & Testing Equipment | Custom MS Fabrication

TECHNICAL DATA SHEET

PRECISION Ø12 mm PRISM POLE

Surveying Accessory for Total Station Prism Systems



PRODUCT DESCRIPTION

A precision-made Ø12 mm prism pole designed for total station surveying applications. Manufactured from lightweight, high-strength, corrosion-resistant metal, it provides a stable support for prism reflector assemblies and is suitable for accurate field measurement, control point marking and construction layout works in civil engineering surveying.

• TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Product Name	Precision Ø12 mm Prism Pole
Product Type	Surveying / Total Station Accessory
Primary Function	Support and positioning of prism reflector assemblies
Typical Applications	Total station surveying, field measurement, control point marking and construction layout
Pole Diameter	Ø12 mm
Construction	Rigid precision pole / prism support member
Material	Lightweight, high-strength, corrosion-resistant metal
Mounting Compatibility	Suitable for standard surveying prism systems
Pole Surface	Smooth / durable protective finish
Stability	Rigid and stable during field measurement
Portability	Lightweight and suitable for field use
Environment	Civil engineering surveying and construction sites
Reference Accuracy	To be established by surveying equipment setup and field verification
Dimensional Tolerance	To be specified by engineering drawing / manufacturer

• COMPONENT IDENTIFICATION

- **Precision Prism Pole:** Ø12 mm rigid pole manufactured from lightweight, high-strength, corrosion-resistant metal for stable prism positioning.
- **Prism Mounting End:** Designed to securely accommodate a compatible prism reflector assembly / standard surveying prism system.
- **Pole Body:** Straight, rigid member providing stable support during total station observations and field layout.
- **Protective Finish:** Durable surface finish intended to improve corrosion resistance and support repeated field handling.

• PRODUCT SCOPE

- Standard: Precision Ø12 mm Prism Pole
- Prism reflector mounting provision
- Protective / corrosion-resistant finish
- Optional: compatible prism assembly, carrying/storage case and identification marking

• MATERIAL & APPLICATION NOTES

- Lightweight, high-strength corrosion-resistant metal is specified for practical field handling and durability.
- The pole is intended for use with compatible standard surveying prism systems.
- Actual surveying accuracy depends on prism type, total station setup, centering, verticality and field procedures.
- Overall pole length, weight, mounting-thread details and dimensional tolerances are not specified in the supplied description and should be finalized by engineering/manufacturer before procurement.

Important: This specification is based on the supplied product description and follows the structure and level of detail of the previous prism-pole datasheet. Any unconfirmed dimensions or interface details should be verified against the final engineering drawing or manufacturer specification before manufacture or procurement.