TELESCOPIC STEEL COLLECTION TIP STAINLESS

Multi-diameter telescopic lightning rod. Manufactured entirely from stainless steel, this device is optimized to offer superior mechanical rigidity and exceptional corrosion resistance in highly aggressive environments. Its staggered configuration allows for efficient lightning capture, reducing the sail effect in strong winds.



FEATURE	TECHNICAL SPECIFICATION
Product	Telescopic Pickup Tip/Mast
Material	Stainless Steel (AISI 304 / AISI 316)
Geometry / Diameters	Stepped telescopic construction in 4 sections: Ø 40 mm / Ø 22 mm / Ø 16 mm / Ø 10 mm
Total Length	5,500 mm (5.5 meters)
Effective Length (Free)	4,500 mm (4.5 meters of exposed catchment area)
Splice Length	1,000 mm (1.0 meter reserved for rigid mechanical anchoring)
Weather Resistance	High resistance to saline, industrial and humid environments
Mounting	Attachment to masts, tubular structures and railings
Applications	Direct capture at high points and critical areas

Regulations References:

The design and manufacture of the telescopic tip strictly complies with international and local regulations: IEC 62305-3 (Protection of structures), IEC 62561-1 (Requirements for connection components), RETIE (Technical Regulation of Electrical Installations) and NTC 4552.

STAINLESS STEEL CONNECTION TERMINAL

This high-conductivity connector is designed to establish a perfect, low-resistance equipotential bond between the pickup tip and the down conductor. Its AISI 316 stainless steel construction ensures galvanic immunity, eliminating the risk of corrosion from dissimilar metal contact and maintaining long-term system integrity.



FEATURE	TECHNICAL SPECIFICATION
Product	Connection Terminal / Terminal for Intake
Material	High Strength Stainless Steel (AISI 316)
Range of Conductors	Suitable for round conductors/cables between 6 mm and 10 mm
Adjustment Type	Pressed / High-pressure stainless steel screws
Current Capacity	Withstand Class H (100 kA 10/350 µs)
Galvanic Immunity	Prevents bimetallic corrosion at the collector-downpipe transition
Applications	Electrical fastening between telescopic tip and down conductor

Regulations and References:
Component designed and tested under the protocols of IEC 62561-1 and IEC 62561-2. The terminal fully complies with the requirements of IEC 62305-3 to ensure the safe conduction of lightning current.

MATTBOSS
18740 CURRY POWDER LN
GERMANTOWN, MD 20874

REINFORCED SUPPORTS FOR RAILINGS AND PROFILES

Heavy-duty mechanical brackets designed for the secure and stable attachment of water-collecting points to existing structural elements such as tubular railings or angle profiles. Their clamping system allows for quick and firm installation without compromising the structural integrity of the base or requiring on-site welding.



FEATURE	TECHNICAL SPECIFICATION
Product	Mounting Bracket for Pickup Tip / Mast
Material	Stainless Steel (AISI 304 / AISI 316)
Tube Compatibility	Diameters between 48 mm and 60 mm (1.5" to 2")
Profile Compatibility	Adaptable to angled profiles (L) using a pressure clamp
Fixation Mechanism	Anti-slip safety bolts (no welding required)
Wind Resistance	Certified for maximum gusts of up to 192 km/h
Damping	Dielectric packaging option for coating protection
Applications	Rigid fixing to edges of towers and perimeter railings

Regulations and References:
This support meets the mechanical strength and corrosion standards defined in IEC 62561-4 and IEC 62305-3, in addition to aligning with building codes for structural wind loads.

INSTALLATION AND SAFETY NOTES

Inspection: Before installation, check that all components are free of deformations and surface contaminants.

Tightening Torque: It is recommended to apply the tightening torque specified by the manufacturer to the connection terminals to ensure Class H conductivity.

Maintenance: Perform annual visual inspections to verify the absence of corrosion and the firmness of mechanical supports, especially after seasons of high atmospheric activity.