

SADDLE BASES FOR LIGHTNING PROTECTION

A saddle base is a curved mounting bracket used to attach lightning rods or air terminals to round surfaces such as handrails, pipes, tank vents, catwalk rails, and small-diameter poles.

1. Saddle Base – Upper

Mounted on the top of a curved pipe or rail. Shaped so the lightning rod stands straight when installed on the upper surface.

Use: When the lightning device needs maximum height.

2. Saddle Base – Lower

Mounted on the side or underside of a pipe or rail. Holds the air terminal upright even in lower mounting positions.

Use: For areas where the top of the rail is unavailable.

3. Saddle Base – With Plate

Includes a flat metal plate attached to the saddle.

Purpose: Provides a stronger mounting surface, distributes pressure, and stabilizes the installation.

Use: For thin-walled pipes or situations needing extra support.

4. Saddle Base – Without Plate

Standard curved clamp only.

Use: For strong, thick pipes or tight spaces.

5. Saddle Base – With Hose Clamp

Uses a stainless-steel hose clamp instead of bolts.

A hose clamp is a flexible metal band tightened by a screw, creating even pressure around the pipe.

Benefits: Fast installation, no drilling, good for small or irregular surfaces, vibration-resistant.

6. Saddle Base – Without Hose Clamp (Bolt-On)

Uses bolts or set screws to tighten the saddle directly onto the pipe.

Use: Heavy-duty, permanent installations needing maximum grip strength.

Simple Summary:

- Upper: Mounts on top of pipe.
- Lower: Mounts on side/underside.
- With plate: Extra strength.
- Without plate: Standard clamp.
- With hose clamp: Quick, no-damage, all-around grip.
- Without hose clamp: Bolt-on heavy-duty option.