

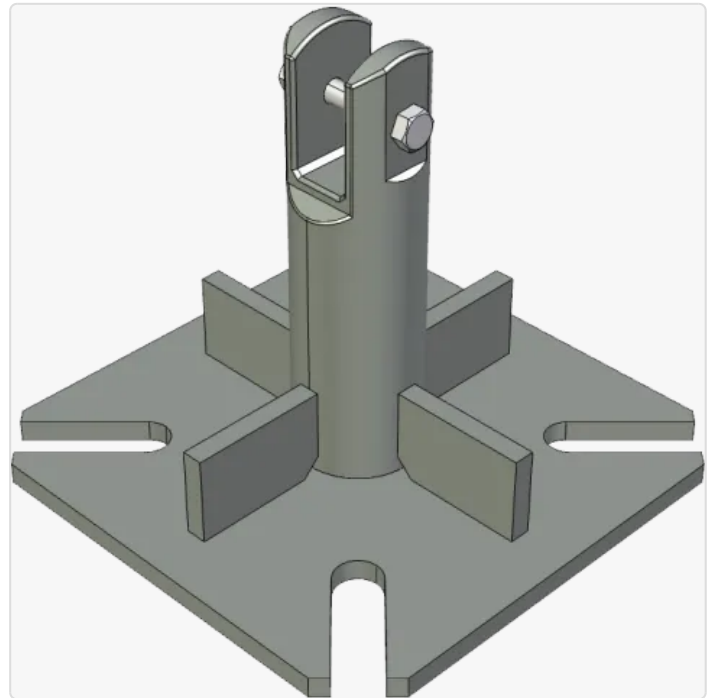
S400 Billet Base Plate for AL220/AL340 Tower Series

MPN: AP-ALT-BBP-S400

Description

The AP-ALT-BBP-S400 is an interface bracket that allows an AL220 tower module or AL340 reducer module to attach to a Surefoot S400 pile cap.

It is required to construct aluminium lattice towers that are to be installed in the ground using the S400. It has a 76.2 mm solid structural grade billet that has been machined into a clevis-fork that accepts the clevis-eye present on AL220 base modules, AL340 reducer modules, and other APAC products. A Class 8.8 M12 Bolt and Nyloc is used as a pin to secure the two clevis components, however thanks to the precision machining, the structural load is directed through the billet-formed clevis rather than the bolt. This design strategy significantly minimises reliance on the bolt for load-bearing purposes, thereby reducing the risk of shear stress and enhancing the overall stability and durability of the tower assembly.



APAC Infrastructure

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Physical Specification

| | | | |
|-------------|--------------------|-----------|-------------------|
| Subtype: | Interface Bracket | Mounting: | S400 Bolt Pattern |
| Dimensions: | 289 × 289 × 250 mm | | |

Available Interfaces

| Quantity | Mounting | Details |
|----------|---------------------------|---|
| 1 | AL220/Reducer Clevis-Fork | For attaching AL220 Base Modules, AL340 Reducer Modules, etc. |

Subcomponents

| Quantity | Name | Materials | Material Finish |
|----------|--|-------------------|-------------------------|
| 1 | Welded Assembly, 12 mm Flat Bar, 76.2 mm Round Rod | Aluminium 6005-T5 | Bright/Pickled Finish |
| 1 | M12 Bolt and Nyloc | Steel | Electroplate Galvanised |

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