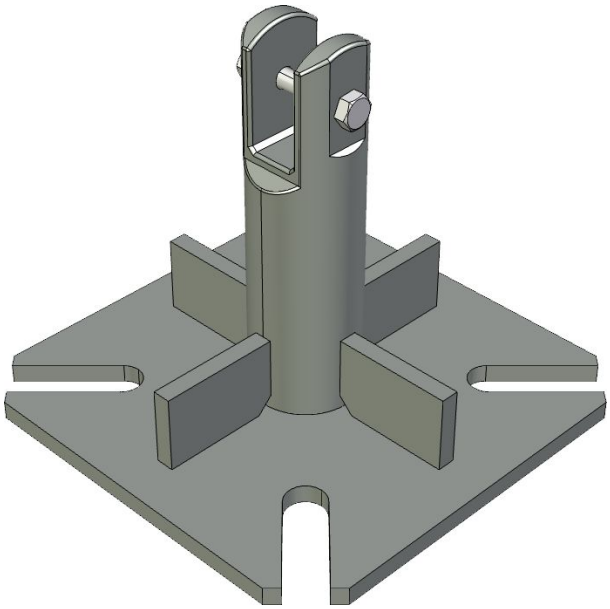
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S400 Billet Base Plate for AL220/AL340 Tower Series

AP-ALT-BBP-S400



Key Features

- 76.2 mm solid structural grade billet
- Precision machined hinge
- Designed for Surefoot S400
- Part of the AL220/AL340 Ecosystems

Overview

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 Stainless Steel 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.

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Specification

Parameter	AP-ALT-BBP-S400
Physical Specification	
System	**AL220** **AL340**
Subtype	**Interface Bracket**
Materials	**Aluminium 6005-T5**
Mounting	**S400 Bolt Pattern**
Dimensions	**289 × 289 × 250 mm**
Weight	**14 kg**
Interfaces	
Installation / Attachment	**Quantity**: 1 — **Mounting**: S400 Bolt Pattern
Available Interfaces	**Quantity**: 1 — **Interfaces**: AL220/Reducer Clevis-Fork — **Notes**: For attaching AL220 Base Modules, AL340 Reducer Modules, etc.

Subcomponents

Quantity	Item	Materials	Material Finish
1	Welded Assembly, 12 mm Flat Bar, 76.2 mm Round Rod	Aluminium 6005-T5	Bright/Pickled Finish

Quantity	Bundled Components
1	Hex Bolt, Stainless Steel - M12 x 80mm Standard Thread (AP-FSS-HXB-M12-80)
1	Nylock Nut, Stainless Steel - M12 Standard Thread (AP-FSS-NYN-M12)
1	Flat Washer, Stainless Steel - M12 (AP-FSS-FW-M12)

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Australian designed and manufactured infrastructure for public safety and first response, built on the Sunshine Coast, Queensland. Need a variation on this design? Our team can engineer it to suit your site.

Contact us

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Specifications, dimensions and weights are nominal, correct at the date of issue and subject to change without notice. Images are for illustration and may show optional equipment. Confirm suitability for your site, including wind region and mounting surface, with APAC before ordering, and install in accordance with APAC's instructions and the relevant Australian Standards.

Issued 11 November 2026. For the latest version of this datasheet, visit https://apacinfrastructure.com.au/product-catalogue/base-plates-interfaces/s400-billet-base-plate-al220al340-tower-series?v=411

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