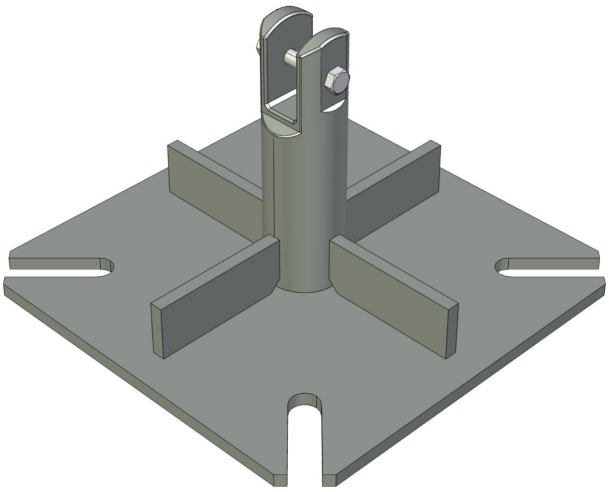
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S600 Billet Base Plate for AL220/AL340 Tower Series

AP-ALT-BBP-S600



Key Features

- 76.2 mm solid structural grade billet
- Precision machined hinge
- Designed for Surefoot S600
- Part of the AL220/AL340 Ecosystems

Overview

The AP-ALT-BBP-S600 is an interface bracket that allows an AL220 tower module or AL340 reducer module to attach to a Surefoot S600 pile cap.

It is required to construct aluminium lattice towers that are to be installed in the ground using the S600. 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

<table>
<tr><th>Parameter</th><th>AP-ALT-BBP-S600</th></tr>
<tr><td colspan="2">Physical Specification</td></tr>
<tr><td>System</td><td>AL220
AL340</td></tr>
<tr><td>Subtype</td><td>Interface Bracket</td></tr>
<tr><td>Materials</td><td>Aluminium 6005-T5</td></tr>
<tr><td>Mounting</td><td>S600 Bolt Pattern</td></tr>
<tr><td>Dimensions</td><td>390 × 390 × 250 mm</td></tr>
<tr><td>Weight</td><td>7.5 kg</td></tr>
<tr><td colspan="2">Interfaces</td></tr>
<tr><td>Installation / Attachment</td><td><table><tr><th>Quantity</th><th>Mounting</th></tr><tr><td>1</td><td>S600 Bolt Pattern</td></tr></table></td></tr>
<tr><td>Available Interfaces</td><td><table><tr><th>Quantity</th><th>Interfaces</th><th>Notes</th></tr><tr><td>1</td><td>AL220/Reducer Clevis-Fork</td><td>For attaching AL220 Base Modules, AL340 Reducer Modules, etc.</td></tr></table></td></tr>
<tr><td colspan="2">Subcomponents</td></tr>
<tr><td colspan="2"><table><tr><th>Quantity</th><th>Item</th><th>Materials</th><th>Material Finish</th></tr><tr><td>1</td><td>Welded Assembly, 12 mm Flat Bar, 76.2 mm Round Rod</td><td>Aluminium 6005-T5</td><td>Bright/Pickled Finish</td></tr></table></td></tr>
<tr><td colspan="2"><table><tr><th>Quantity</th><th>Bundled Components</th></tr><tr><td>1</td><td>Hex Bolt, Stainless Steel - M12 x 80mm Standard Thread (AP-FSS-HXB-M12-80)</td></tr><tr><td>1</td><td>Nylock Nut, Stainless Steel - M12 Standard Thread (AP-FSS-NYN-M12)</td></tr><tr><td>1</td><td>Flat Washer, Stainless Steel - M12 (AP-FSS-FW-M12)</td></tr></table></td></tr>
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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 12 November 2026. For the latest version of this datasheet, visit https://apacinfrastructure.com.au/product-catalogue/base-plates-interfaces/s600-billet-base-plate-al220al340-tower-series?v=412

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