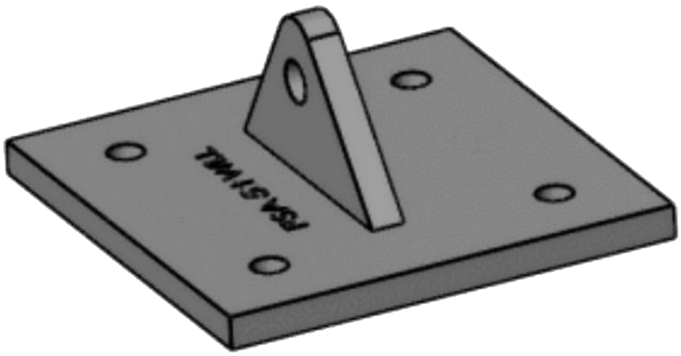
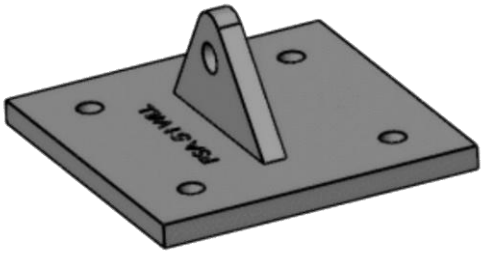


PSA LP05 5t Lifting Plate

Technical Data

PSA LP05 5T LIFTING PLATE

This lifting plate is typically used where cast-in lifting anchors were omitted or incorrectly positioned during the manufacturing process. The PSA system provides a reliable and compliant post-installation solution for safe lifting and handling.



The PSA 5t Lifting Plate is designed and manufactured in Australia and complies with relevant Australian Standards. It is engineered with a defined Design Factor of Safety (FOS) in accordance with AS 3850.1:2015 for multi-use lifting products.

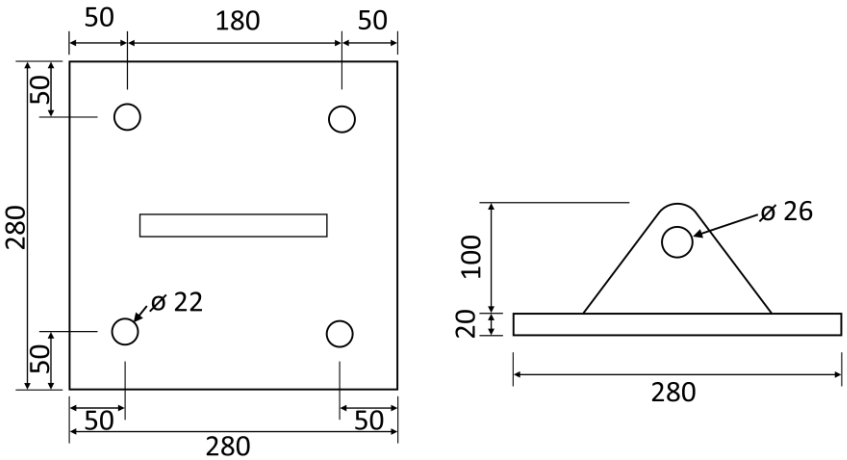
Product Overview

Product Code	Description
LP05	5t Lifting Plate

KEY FEATURES

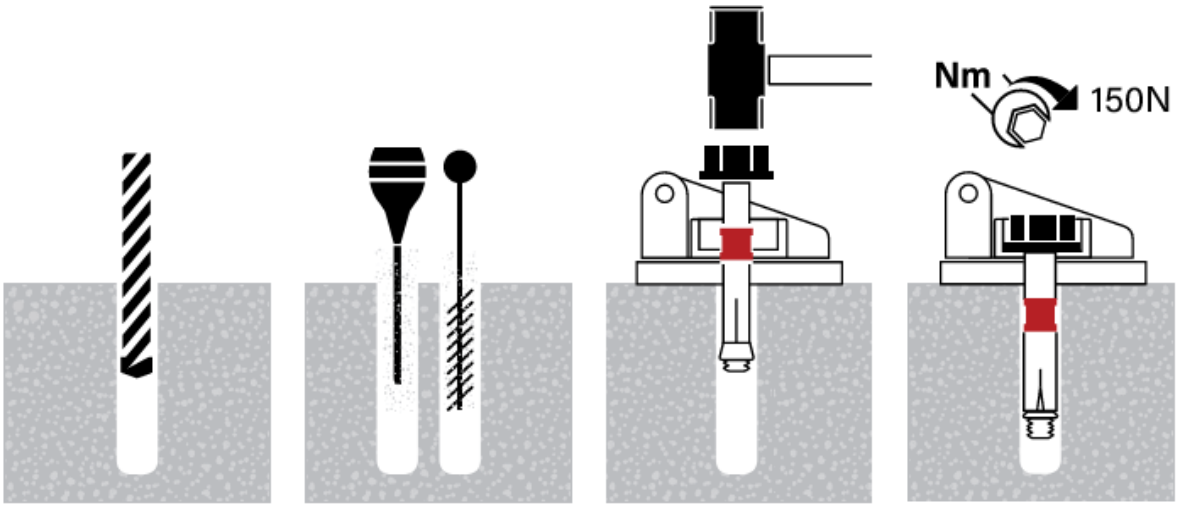
- **Load Capacity:** WLL of 5 Tonnes when installed according to the guidelines provided in this document.
- **Standards Compliance:** Meets the requirements of AS 3850.1 and AS 1554.3, ensuring high safety and quality standards.
- **Manufacturing Origin:** Proudly made in Australia, adhering to stringent local manufacturing standards.
- **Testing and Certification:** Each unit is proof loaded to twice the Working Load Limit (WLL) as specified in AS3850.1 to guarantee safety.
- **Traceability:** Every lifting plate is marked with the WLL and a unique batch number for easy traceability and quality control.

PRODUCT DIMENSIONS



INSTALLATION INSTRUCTIONS

1. Check the concrete where the PSA LP05 Lifting Plate is installed for visible defects such as cracks and spalling. The LP05 Lifting Plate should only be installed when the concrete is free of defects.
2. Ensure that all 4 anchors can be installed with sufficient distance to all edges and openings.
3. Ensure that the concrete has a minimum strength of 25MPa at the time of lift.
4. Place PSA Lifting Plate centrally on the location specified on the certified lifting design. Ensure the lifting eye gusset is in line with the lifting direction.
5. Mark the hole locations on the concrete face using the Lifting Plate as a template.
6. Drill four 95mm deep holes in the marked locations using a 20mm diameter drill bit. Avoid using oversized drill bits.
7. Place the Lifting Plate over the drilled holes and install PSA PBA20 bolts as per guidelines below.



Drill a 20mm hole (Y-Cutter drill bit recommended to the correct embedment, this should be no more than 80% of the base material thickness.

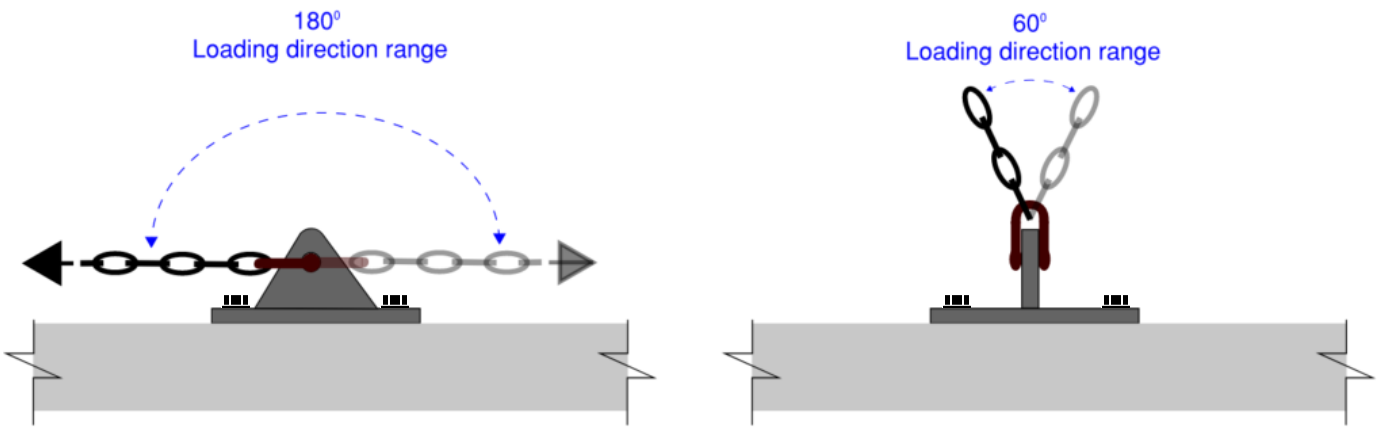
Blow and brush the hole clean of dust and other material.

Insert the anchor so the bolt head and washer seats firmly against the fixture.

Using a calibrated torque wrench, tighten the anchor to 150 Nm.

LIFTING CONSIDERATIONS

The PSA LP Lifting Plate should only be loaded in the directions below:



PSA LP05 Lifting Plates are intended for use in situations where cast-in lifting anchors were not installed or were incorrectly positioned during manufacturing.
Whenever a PSA LP05 Lifting Plate is specified, the design should be reviewed by the PSA Technical Team to ensure suitability and compliance.

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