



Hydrajaws Shear Tester

Quick setup guide

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Shear Tester Kit Parts List

The **Shear Tester** is for use with **Hydrajaws M35+, M2000 and M2050 Pull Testers** (**Not included**)

1. Shear Test Reaction Frame
 2. Shear Test Reaction Frame Template
 3. Shear Bracket
 4. Anti-Slip Shoe Support Gasket
 5. 500mm Drop Rod
 6. 2 x Nuts; 2 x Washers
 7. Set of Threaded Buttons and Collars
 8. M2000/2050 Drop Rod Adaptor
 9. 2 x Mounting screws
 10. Rucksack
- 24mm Open Ended Spanner (*not shown*)



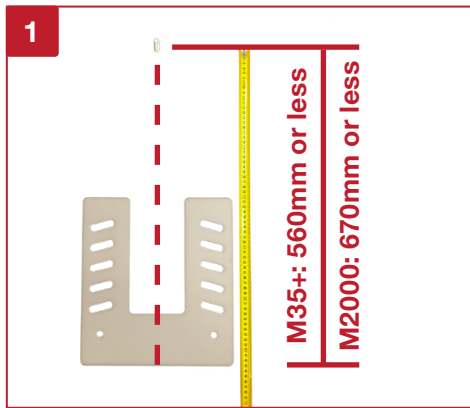
HYDRAJAWS SHEAR TESTER

The Hydrajaws Shear Testing Rig is a versatile and reliable solution for testing shear loads on anchors in construction materials like concrete and masonry. Designed to integrate seamlessly with the M2000, M2050 or M35+ load cells, this kit ensures precise shear load verification for your anchors.

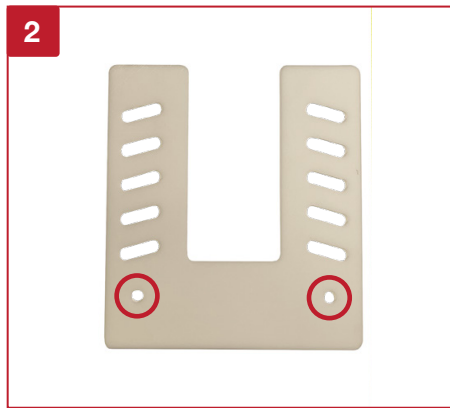
Key features include a Shear Bracket equipped with a PTFE gasket to minimise friction, a keyhole for clear substrate observation, and a datum boss for accurate displacement measurement. The Shear Test Reaction Frame mounts securely to the substrate using four anchors, with spacing tailored to typical UK and European brick centres, ensuring compatibility and consistency.

Measurements can be stored and retrieved using the Hydrajaws Verify App and Digital Reporting System.

SETTING UP THE SHEAR TESTER



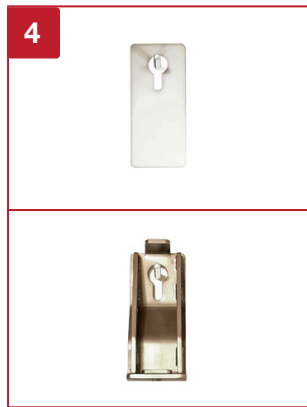
Use the Template and align to the middle of the anchor. We recommend a starting distance from the fixing to the bottom of the template of 560mm for a M35+ tester and 670mm or less for a M2000/2050 tester.



Drill through the bottom two holes. Then choose a slot on both uprights and drill two more holes, allowing for brick or block centres.



Mount the Shear Test Reaction Frame on to the wall with anchors in the drilled holes.

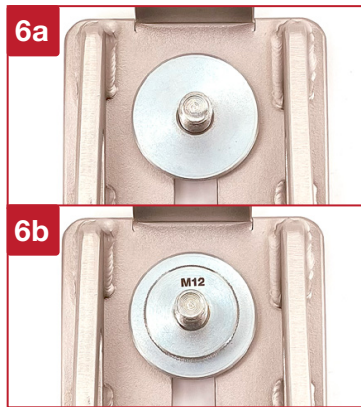


Place the Anti-slip Shear Support Gasket over the anchor. Then place the Shear Bracket on top.



Top: Collar: Fitted first over the anchor and slotted in place in the shear bracket.

Bottom: Threaded Button for a threaded fixing.



Fit the collar over the anchor (6a) and slot into the shear bracket, and secure it with an appropriate sized threaded button (6b) if applicable.



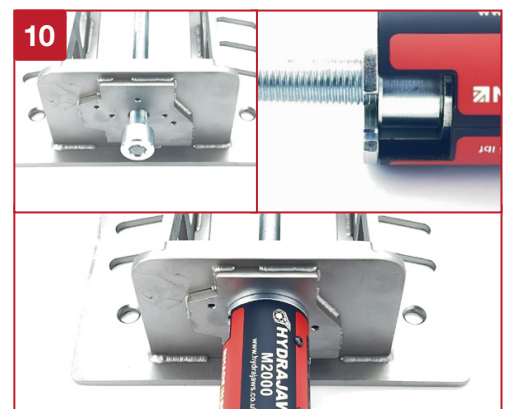
Feed the drop rod through the shear bracket and secure with the Nuts and Washers supplied.



Circled holes are for mounting a M35+ tester. The remaining holes are for mounting a M2000 or M2050 Tester. Use the Mounting Screws provided.



M35+: Feed the Drop Rod through the tester and mount the tester onto the frame. Screw a M35+ Thrust Nut (*not included*) onto the rod.



M2000/2050: Screw the M2000 Drop Rod Adaptor on to the Drop Rod, flush to bottom of the rod. Slot the adaptor into the tester and mount the tester onto the frame with the mounting screws.



It is essential that these operating instructions are read before the tester is operated for the first time.

Always keep these operating instructions together with the tester.

Ensure that the operating instructions are with the tester when it is given to other persons.

SAFETY RULES

- Modification of the tester, or tampering with it's parts is not permissible.
- Observe the information printed in the operating instructions applicable to operation care and maintenance.
- The tester and its accessories may present hazards when used incorrectly by untrained personnel or not as directed.
- Use only the genuine Hydrajaws accessories or ancillary equipment listed in the operating instructions.

USE OF THE TESTER AS DIRECTED

The tester is intended for use by skilled personnel with the appropriate training and knowledge of the applicable safety precautions.