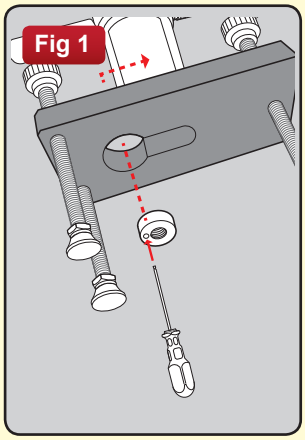
# Hydrajaws Adaptors

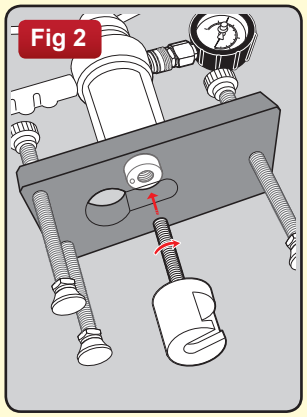
## Operating Guide - 1/2

### THE M12 LOCKING ADAPTOR

The M12 Locking Adaptor fits into the tester body by using the 3mm Ball Driver **(fig 1)**.

This adaptor allows various adaptors to fit into the tester (eg the bolt adaptor **(fig 2)**).

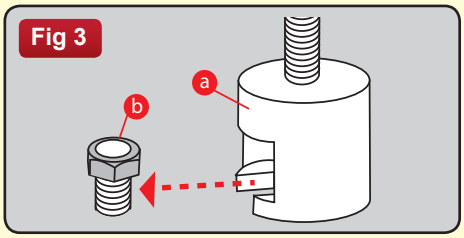



### THE BOLT TEST ADAPTOR

Mount the Locking adaptor into the tester, then thread the bolt tester adaptor into the tester body **(fig 2)**.

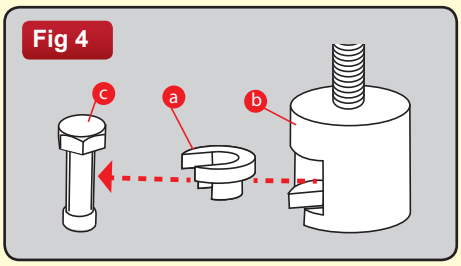
For M16 nuts, **(fig 3)** the bolt tester adaptor **(a)** directly engages the nut **(b)** in the pulling jaw.




### THE SLOTTED BUTTON ADAPTOR

For testing fixings where a connection is made underneath the head of the fixing or anchor the slotted button adaptor is used.

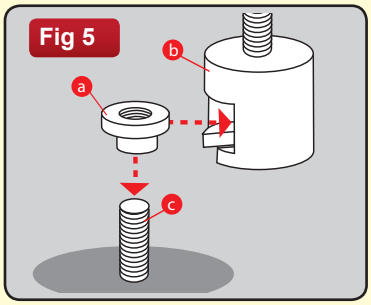
Mount the locking adaptor into the tester (see above). Then thread the bolt tester adaptor into the tester body **(fig 2)**. The slotted button adaptor **(a)** slots into the bolt tester adaptor **(b)** and engages the fixing **(c)** **(fig 4)**.




### THE THREADED BUTTON ADAPTOR

For testing threaded fixings the threaded button adaptor is used.

Mount the locking adaptor into the tester (see above). Then thread the bolt tester adaptor into the tester body **(fig 2)**. The threaded button adaptor **(a)** threads on to the fixing **(c)** and then slots into the bolt tester adaptor **(b)** **(fig 5)**. Ensure the button adaptor has at least 2 complete thread turns on the fixing and is secure.

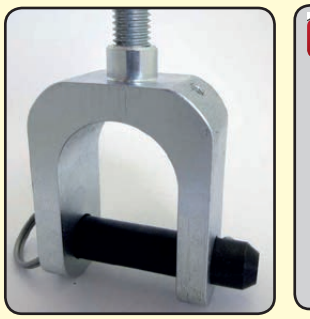


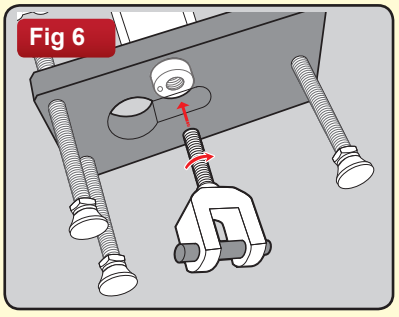

### THE CLEVIS ADAPTOR

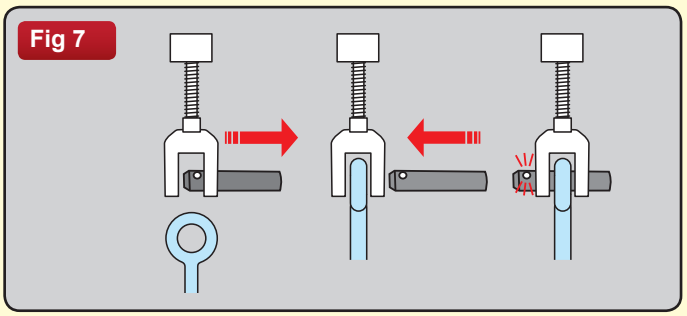
For testing ringbolts the Clevis adaptor is used.

Mount the locking adaptor into the tester (see above). Then thread the clevis adaptor into the tester body until it is fully engaged, using a quarter turn for positioning **(fig 6)**.

Remove crosspin from the clevis adaptor and offer the tester and bridge to engage eye of the anchor in the clevis. Some adjustment will be required on the swivel feet, so that this fit is achieved. Push clevis pin through the clevis and eyebolt, ensuring that the ball on the pin clicks into place, having passed through the second fork **(fig 7)**.



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# Hydrajaws Adaptors

## Operating Guide - 2/2

### THREADED STUD ADAPTORS

Suitable for testing sleeve and stud anchors.

**(fig 8)** After the anchor has been set in accordance with the manufacturers recommendations, a suitable threaded rod **(a)** is screwed into the anchor and the adaptor **(b)** then fitted. The length of the threaded rod to be screwed into the anchor must be at least equal to the diameter of the anchor.

Remove the locking adaptor if fitted.When the adaptor is securely fitted to the anchor thread position, place the tester over the adaptor, passing the head through the hole in the bridge and engage it in the pulling jaw of the tester **(fig 9)**. Level the load spreading bridge with the adjustable legs before commencing the application of the load.

Fig 8

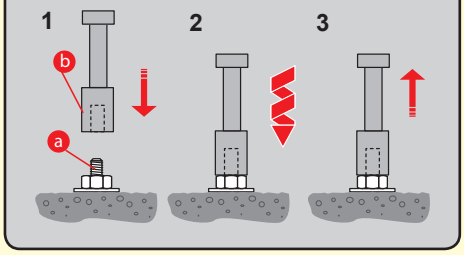
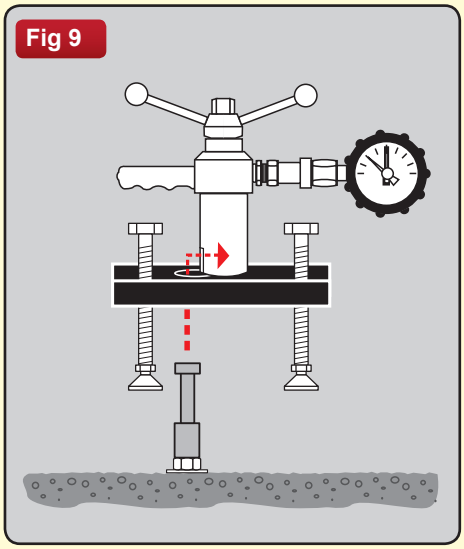
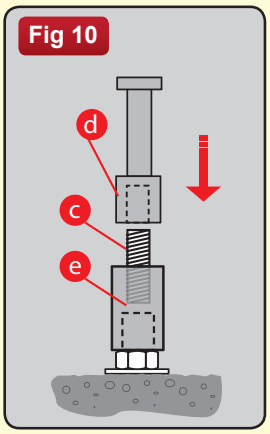



Fig 9



Note: **(fig 10)** To use an optional M30 HD Threaded stud adaptor, first attach 45mm M20 thread piece **(c)** into adaptor **(e)** and attach to the fixing. Then thread the M20 Adaptor **(d)** and proceed as above. Hexagonal leg extensions may be required.

Fig 10




### THREADED ROD ADAPTORS

The M5 and M6 threaded rod adaptors are equipped with an external M12 thread for use in conjunction with the M12 threaded button adaptor. They are used primarily for testing remedial wall ties. The M8 and M10 threaded rod adaptors are equipped with an M16 external thread and the M16 nut fitted with connects to the pulling slot in the tester or bolt tester adaptor.

Connect the threaded rod adaptor complete with the M12 button adaptor to the thread on the fixing **(fig 11)**.

Remove the locking adaptor if fitted. Adjust the length of the bridge legs and the height of the button adaptor/nut so that the adaptor can pass through the hole in the bridge and engage it in the pulling jaw of the tester **(fig 12)**.

Level the load spreading bridge with the adjustable legs before commencing the application of the load.

Fig 11

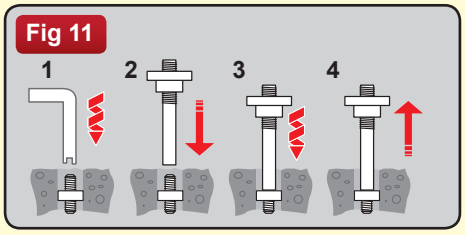
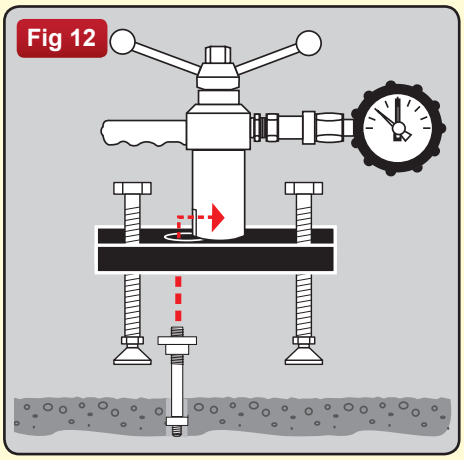



Fig 12



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