

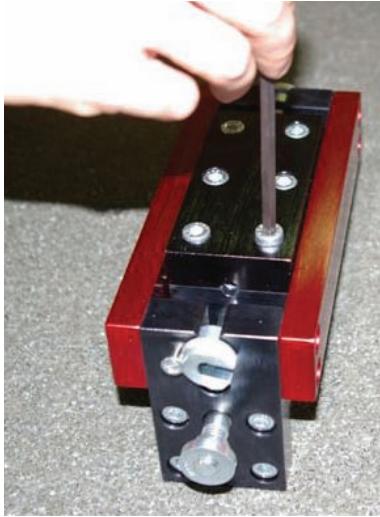
# Hydrajaws Cable Tester

## Operating Instructions

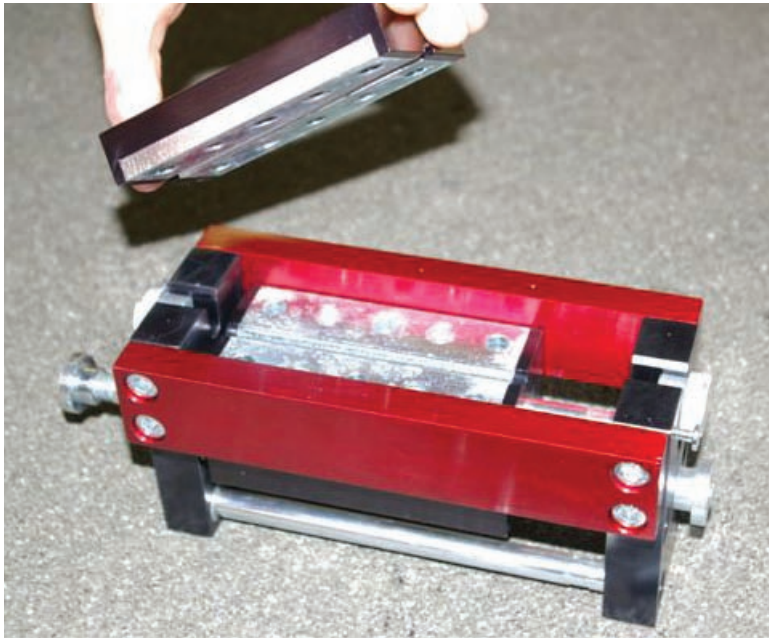


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**1.** With the cable tester clamp side up, remove the 6 cap head screws from the clamp using the 6mm wrench. (Figures 1 and 2).

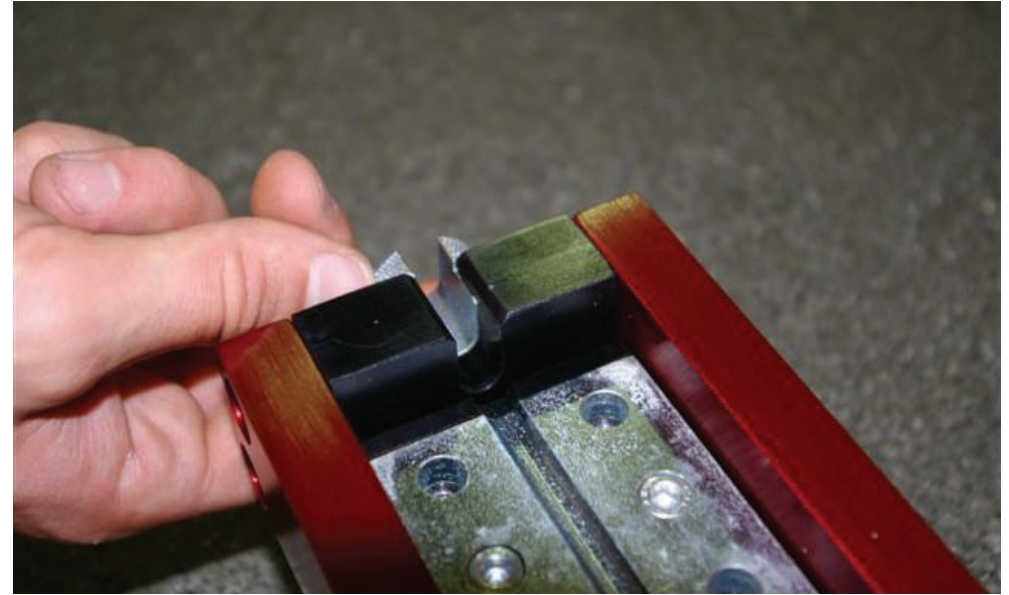


**Figure 1**

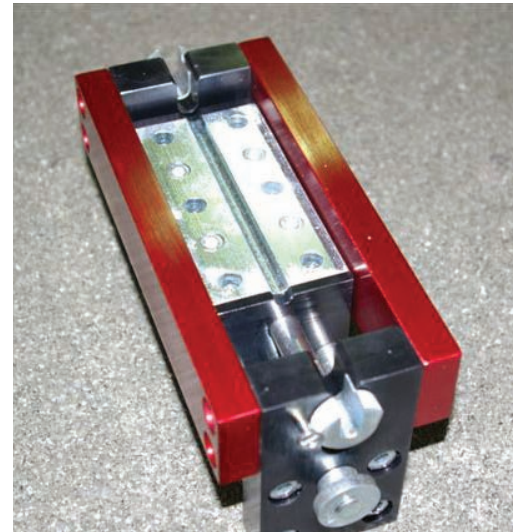


**Figure 2**

**2.** Swivel the two cable clamp locators so that the open slot is aligned with the end plate slot (Figures 3 and 4).

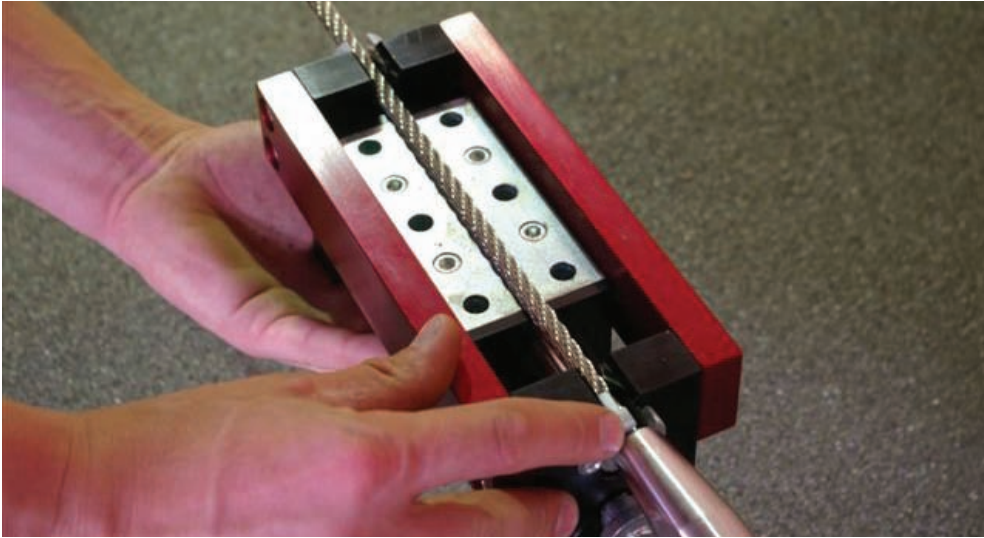


**Figure 3**

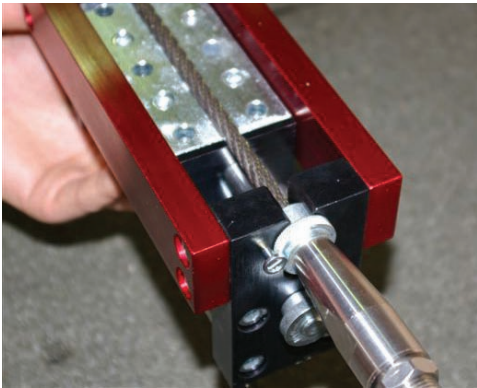


**Figure 4**

**3.** Mark the cable, eg with marker pen, and then locate the cable clamp in the end plate slots and in the cable clamp. Rotate the slotted locators through 90° to retain the cable. (Figures 5, 6 and 7).



**Figure 5**

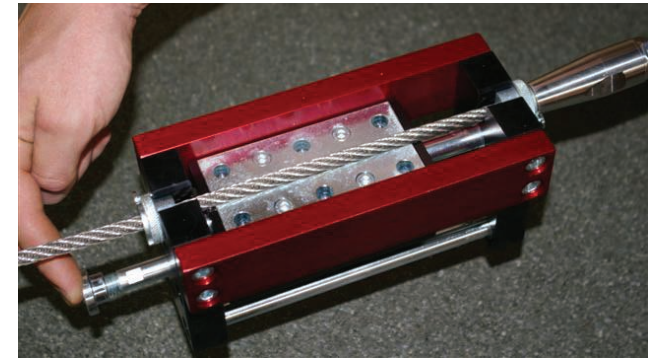


**Figure 6**



**Figure 7**

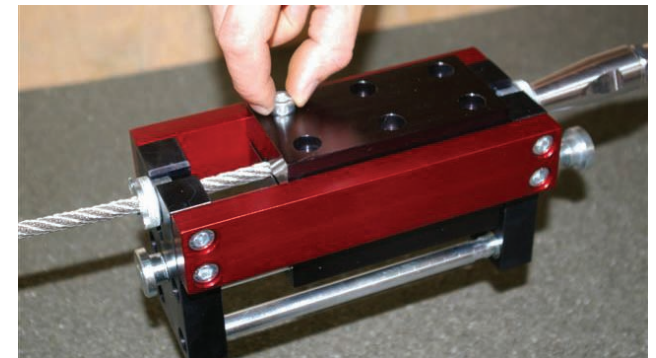
**4.** Slide the clamp along the cable until slotted locator plate is in contact with the swage to be tested and replace the top plate using the 6 cap head screws but do not tighten down fully. (Figures 8, 9 and 10).



**Figure 8**

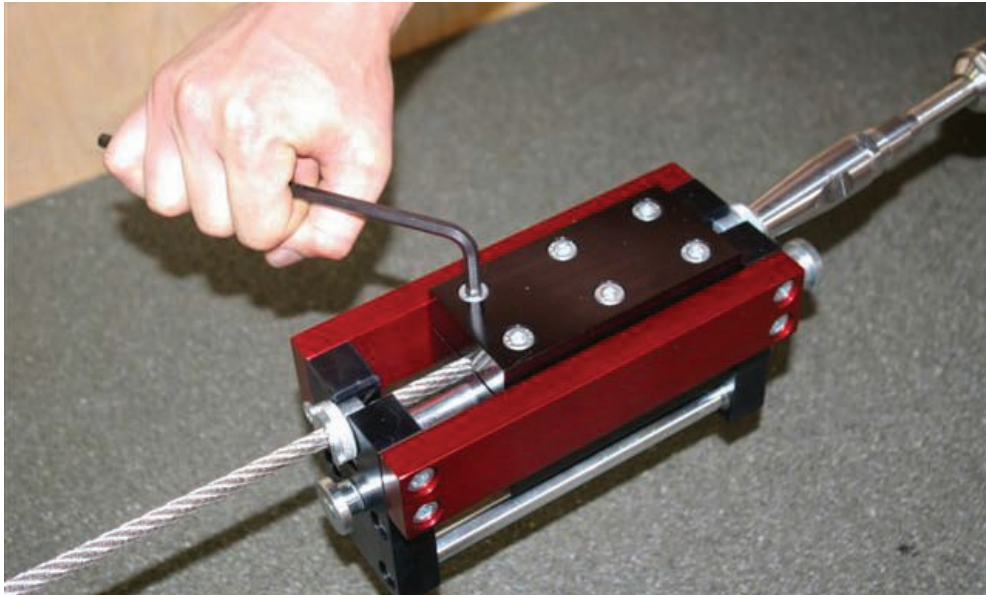


**Figure 9**



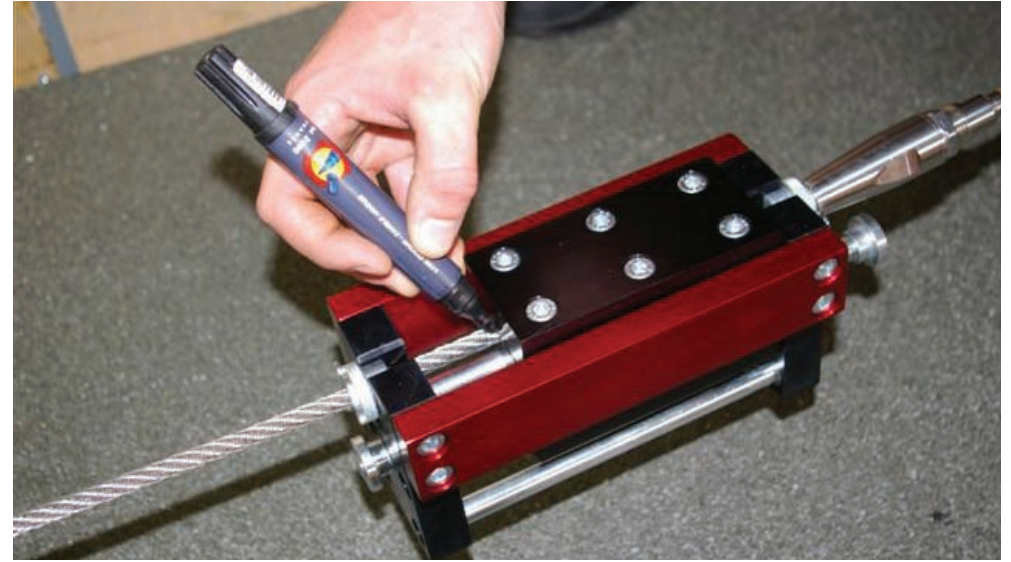
**Figure 10**

**5.** Tighten the 6 cap head screws in the following order using the 6mm allen key, front left, back right, front right, back left, middle left and middle right. (Figure 11).

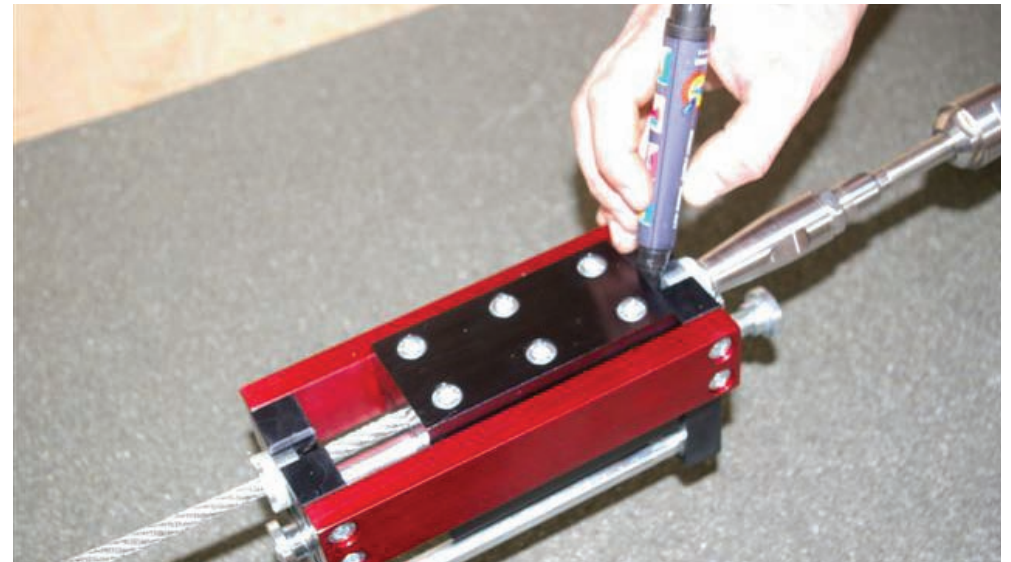


**Figure 11**

**6.** At this stage mark the cable again in both places. (Figures 12 and 13).



**Figure 12**



**Figure 13**

**7.** Remove the 150 load spreading bridge with adjustable feet by unscrewing the 2 M4 cap screws on the underside of the unit. (Figure 14).



**Figure 14**

**8.** Make sure that the jaw on the tester is fully closed. Check this by looking at the mm scale on the main body of the tester which should be near the zero indicator. (Figure 15).



**Figure 15**

**9.** Remove the M12 round locking adaptor from the inside slot on the bottom of the portable tensioner by first unlocking / slackening the allen screw. (Figures 16 and 17).



**Figure 16**



**Figure 17**

**10.** Remove the operating ball handle from the tester by unscrewing anti-clockwise taking care not to remove the bearing and pressure washers. (Figures 18, 19, 20 and 21).



**Figure 18**



**Figure 19**



**Figure 20**



**Figure 21**

**11.** Fit the M22/AF hexagon operating nut in place of the handle. (Figures 22 and 23).



**Figure 22**



**Figure 23**

**12.** The Model 2000/C tester should be located over the button adaptor on the opposite end to the swage under test. (Figures 24 and 25).



**Figure 24**

Turn operating nut by hand to apply enough tension to secure tester.



**Figure 25**

**13.** Attach the 0-20Kn gauge to the Model 2000/C tester by pulling back on the body coupler and clicking into place. Turning the gauge will allow for easy reading (gauge only moveable with coupler system fitted). (Figures 26 and 27).



**Figure 26**



**Figure 27**

**14.** Operate with the M22 ratchet spanner to progressively increase the load on the swage and note the readings on the gauge. Check any movement by looking at the marks previously placed on the cable. Recommended proof load of maximum 10Kn. (Figure 28).



**Figure 28**

**Test requirement: Minimum 10kN force applied for a minimum of 3 minutes.**

Pass / Fail criteria			
Swage Type	Allowed cable strip		
Hex	None, any slip = FAILURE		
Roll	None, any slip = FAILURE		
Swageless	0mm-20mm = Pass	More than 20mm = strip, rebuild and re-test	Re-test = less than 20mm - Pass
			Re-test = more than 20mm - Fail (new product required)
Repeat examination any swage type	None, any slip =		FAILURE

**15.** To dismantle follow reverse procedure.

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