1510L™ Clamp Lock Ring Supplemental Instructions

OPERATING PARAMETERS

Pressure Limits:

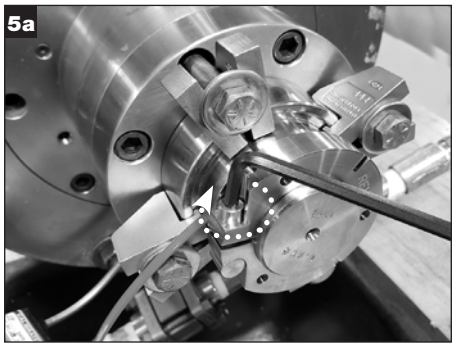
25 mm – 65 mm (1.000" – 2.625") up to 10,3 bar (150 psig)
70 mm – 120 mm (2.750" – 4.750") up to 6,9 bar (100 psig)

OB Length Change (Fmax):

25 mm – 65 mm (1.000" – 2.625"): 53,5 mm (2.11")
70 mm – 120 mm (2.750" – 4.750"): 64,6 mm (2.55")

***** Inspect clamp lock ring after each use. Do not re-use if visible damage is present. The clamp lock ring can be re-used up to 4 times before replacement is required. Contact your Chesterton seal representative for additional support, if required.***

Installation Instructions (Replaces steps 5 thru 7 in 5.0 Seal Installation).

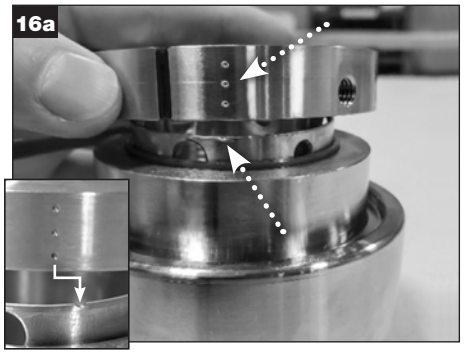


Tighten clamp lock ring socket head cap screw. Refer to Table 1 for proper torque values. ****NOTE: Tightening dog point set screws is not required.***

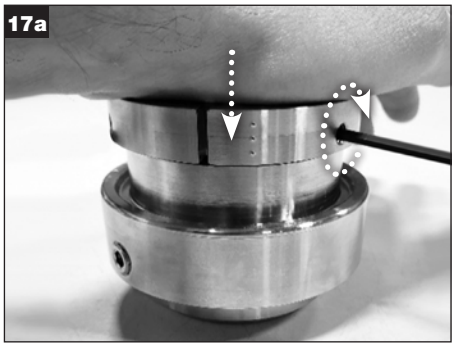
Table 1: Clamp Lock Ring Screw Torque Reference

SEAL SIZE	TORQUE	HEX WRENCH SIZE
25 mm – 35 mm (1.000" – 1.375")	5,7 – 6,8 Nm (50 – 60 in·lbs)	5/32"
38 mm – 65 mm (1.500" – 2.625")	11 – 16 Nm (8 – 12 ft·lbs)	3/16"
70 mm – 120 mm (2.750" – 4.750")	24 – 30 Nm (18 – 22 ft·lbs)	1/4"

Rebuild Instructions (Replaces steps 16 and 17 in 9.2 Seal Rebuild).



Place the lock ring on top of the sleeve and align the three vertical dimples on the outer diameter of the lock ring with the notch on the top edge of the sleeve.



Gently press down on the top of the lock ring and tighten the ¼ dog set screws. ***IMPORTANT: The set screws should be tightened just enough to ensure that they are engaged but should not protrude into the inner diameter of the sleeve.***

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