

Torq N' Seal® Condenser Plugs

Installation Instructions

Specifications

- Max Service Temperature: **300°F (150°C)**
- Max Operating Pressure: **250 psi (1.7 MPa)**
- Plug Material: **6061 Aluminum / EPDM**
- Torque Value to Seal: **120 in-lb (13.50 Nm)**
- Inner Diameter Range: **0.580" to 1.200" (14.7 to 30.5 mm)**

Tools You Will Need

- Torq N' Seal® Condenser Plugs *(supplied by JNT)*
- Hex Capture Drive *(comes included with all Torq N' Seal® plug purchases)*
- 3/8" Square Drive Torque Wrench *(supplied by customer)*

Selecting the Correct Plug

Identify your tube inner diameter, then select the plug below with the appropriate range:

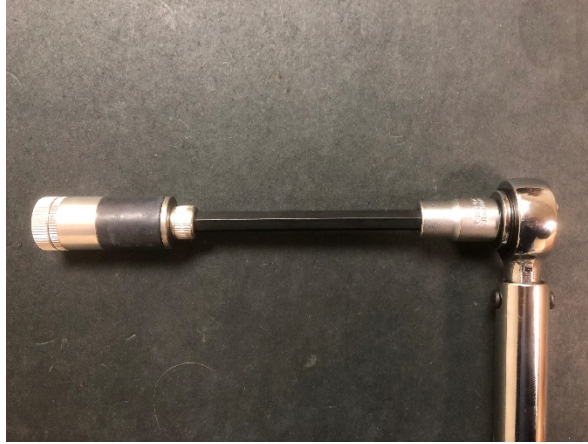
Part Number	Tube ID Range
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Sealing Your Leaking Tube

Remove any loose scaling or oxide formation by means of a tube brush. Snap the Elastomer Condenser Plug onto the specialized 5/16" Hex Capture Drive, at least one of these installation tools is provided with every purchase, then attach that to your 3/8" Square Drive Torque Wrench.



Set your torque wrench to 120 in-lb. Align the cam with the plug body and insert the plug into one end of the leaking tube. Insert the plug until the rubber portion is all the way into the tube, this will ensure maximum sealing area on the tube Inner Diameter and a confident seal.



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Begin to rotate the Torque Wrench clockwise. As you rotate, the cam will fall out of center with the plug body and “lock” the plug into place. This provides the necessary anti-rotation force that will allow the screw to compress and expand the EPDM seal, effectively plugging your tube.

Continue rotating clockwise until the Torque Wrench clicks to indicate **120 in-lb** has been reached.



Your tubes are now sealed up to **250 psi at up to 300°F**.

Removing TNS-ECP Plugs

Simply re-insert the Hex Capture Drive with Torque Wrench and rotate counter-clockwise. This will decompress the EPDM seal and allow the plug to slide easily out of the tube.



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