

INSTALLATION INSTRUCTIONS SM102, SM103

For technical assistance, call 1-800-WILCOXON or email info@wilcoxon.com.

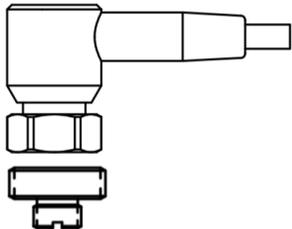
BEFORE BEGINNING INSTALLATION: LOCATE THE SM102 OR SM103 SENSOR AND ALL REQUIRED TOOLS. READ COMPLETE INSTRUCTIONS.



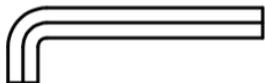
REQUIRED TOOLS



Pilot hole and spot-facing tool,
Thread tap (not pictured)



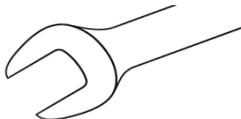
SM102 or SM103 sensor and
integral English or metric
mounting stud



Allen key:
1/8" HEX for English
3MM HEX for Metric



Silicone grease



Torque wrench

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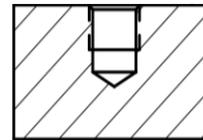
STEP 1

Use the ST101 or similar item to drill a pilot hole and spot-face at the mounting location selected. Using the selected thread, tap the mounting hole.

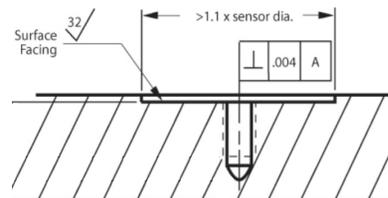


English mounting preparation:
Drill $\text{Ø}.218[\text{Ø}5.54]$] $\downarrow.300[7.62]$ MIN
Tap 1/4-28 UNF-2B $\downarrow.200[5.08]$ MIN

Metric mounting preparation:
Drill $\text{Ø}.199[\text{Ø}5.05]$] $\downarrow.300[7.62]$ MIN
Tap M6 X 1-6g $\downarrow.200[5.08]$ MIN

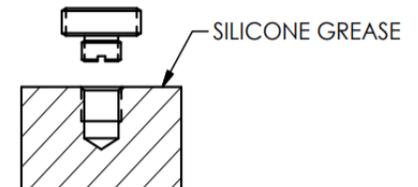


Surface facing preparation:
Spot face a mounting surface 1.1x the
sensor diameter.



STEP 2

Apply silicone grease to the
mounting surface and insert the
mounting stud.



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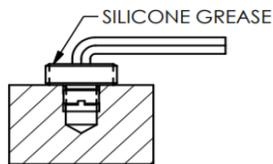
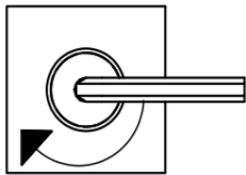
READ COMPLETE INSTRUCTIONS BEFORE BEGINNING INSTALLATION.



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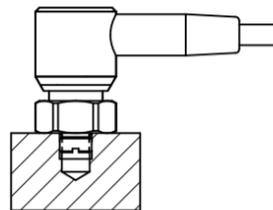
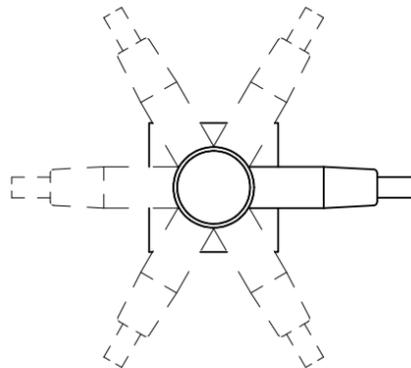
STEP 3

Tighten the mounting stud using the allen key. Torque the mounting stud to 3 to 4 ft-lbs (4.1 to 5.4 Nm)



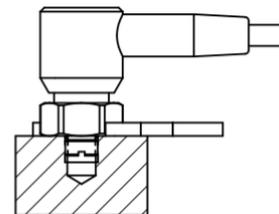
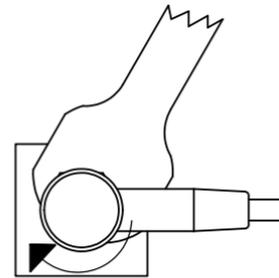
STEP 4

Thread the sensor's hex nut onto the mounting stud. Position the cable or connector to the desired location and hand tighten the hex nut.



STEP 5

Tighten the hex nut using a torque wrench to within 2 to 3 ft-lbs (2.7 to 4.1 Nm) while holding the cable or connector in the desired location.



STEP 6

If for any reason the mounting stud does not disengage from the sensor, use a flat head screw driver to hold the stud while turning the hex nut counterclockwise with a wrench.

