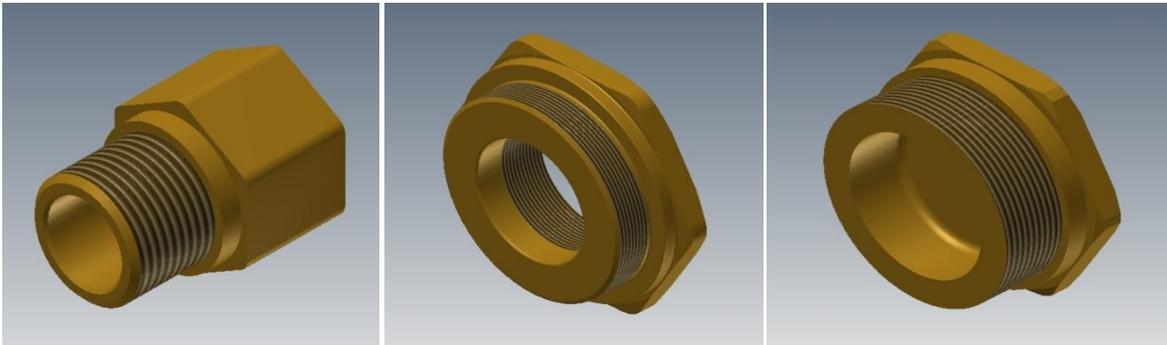




SHOMAL Engineering & Manufacturing Co.

OPERATING INSTRUCTIONS

Adapter Reducers and Stopping Plugs

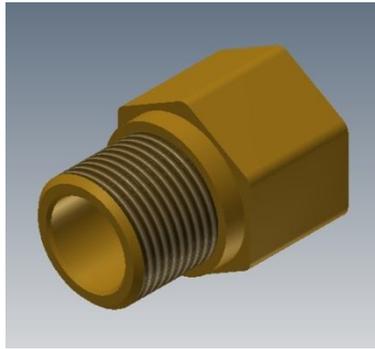


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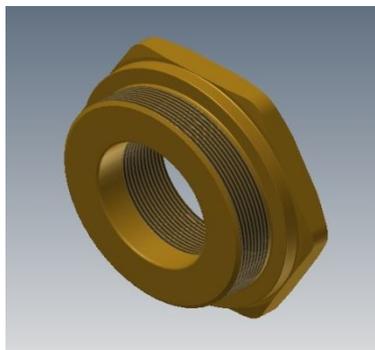


**THIS GUIDE SHOULD BE READ CAREFULLY BEFORE INSTALLATION.
INCORRECT INSTALLATION CAN INVALIDATE THE GUARANTEE!!**

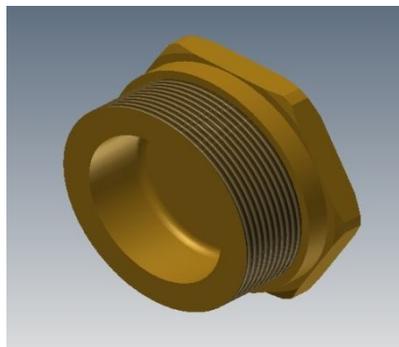
Figures:



SHOMAL type 600 adaptors



SHOMAL type 700 reducers



SHOMAL type 800 plugs

Technical Data :

II 2 G D

Ex d IIC / Ex e IIC / Ex t IIIC

Ambient Temperature -20 °C to +75 °C

IMPORTANT NOTES

I. These installation instructions give guidance on general instructions for safety and installation of chosen SHOMAL products.

II. All SHOMAL products should only be used in applications and environments as detailed in these instructions and other SHOMAL literature.

III. SHOMAL will not take responsibility for any damage, injury or form of loss caused where products are not installed or used as detailed in these instructions. If in doubt, further advice can be obtained from our Technical Department.

IV. SHOMAL is not responsible for any mistakes in product selection.

V. Adaptors / Reducers having Non-Metric female threads.

Safety Instructions

1. All SHOMAL products should be installed in accordance with all relevant Installation Standards and Codes of Practice : EN60079-0 : 2009, EN60079-1 : 2007, EN60079-7 : 2007, EN60079-31 : 2009 and IEC60079-0 : 2007, IEC60079-1 : 2007, IEC60079-7 : 2007

2. Installation of SHOMAL products should only be carried out by an engineer trained in cable gland installation. These products shall not be used for in enclosures where the temperature at the point of mounting is out of the ambient range of -20°C to +75°C.

3. Under no circumstances should installation be carried out under live conditions.

4. The installer should ensure that no damage occurs to any product thread forms or O-Ring seals by chamfering/de-burring tapped and clearance hole entries prior to installation. Where component is electroplated care should be taken to prevent damage or chipping.

5. Threaded Entries: Components can be installed directly into threaded entries and the recommended torque applied.

6. Clearance Holes: Clearance holes should be no greater than 0.5 mm of the major diameter of the male thread. Components installed in clearance holes should be secured with an appropriate sized locknut, fully tightening ensuring no damage or elliptical distortion of O-Ring.

7 • Care should be taken that any electrical continuity is not affected.

8 • Check the presence of EPDM or red fiber sealing ring if necessary on the product.

Installation Torque

SHOMAL Adaptors, Reducers, and Stopping Plugs, should be installed to the recommended torque Values detailed in the following table:

Nominal Thread Size*	Applicable Torque(Nm)
M16 & M20	40.0
M25	55.0
M32	65.0
M40	80.0
M50	100.0
M63	195.0
M75(and larger)	310.0
*For other thread forms, equivalent thread size corresponding to ISO Metric should be used.	

Torque Table

Note: fully tighten the fitting by hand and additional 1 turn by wrench in the absence of Torque wrench.

Necessary points to be aware off

1. Two adaptors installed in series, is not permitted under certification.
2. Do not use a Stopping plug to close off the female thread of the Adaptor /Reducer.
3. Ensure that the product is certified to the same method of protection as the equipment to which it is to be installed.
4. Ensure that the correct thread form and size is selected for the cable gland entry of the enclosure to which the product will be fitted.
5. Ensure that the product can maintain the same Ingress Protection levels as the equipment to which it is to be installed.
6. Change in dimensions, marking and finish of the product is not permitted.
7. Usage other than those specified in product catalogue is not permitted.
8. See product packaging for the Material of Construction.