

## MBE / MRE Series

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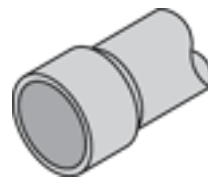
### Overview

Sleeve actuated, instant 625 psi, custom external connection to expanded tubes, Neoprene seals

Product Family :	MBE / MRE Series
Connection Type :	External Tubes
Connection Method :	Sleeve Actuated
Connects To :	Expanded Tube
Pressure Rating :	625 (43.0)



### Description



#### Connectors for Expanded Tubes

The MBE Series (Ball Grip) and MRE Series (Ring Grip) connectors make reliable, leak tight connections for vacuum or pressure applications up to 625 psi. Designed for high flow applications such as run testing. Also ideal for helium leak testing, proof testing, pressure decay and other related processes. The sliding sleeve locks when pressurized to make safe secure instant connections with no operator adjustment.

**To Connect:** Insert the tube into the connector and push the external sleeve until it clicks into the locked position.

**To Disconnect:** Relieve pressure, push the connector toward the tube to release the safety lock and retract the external sleeve to withdraw the connector.

- High flow non-valved with pressure activated safety lock
- Grips until pressure is dissipated, no operator adjustments for added safety

- Mating seal is easily replaced without disassembly, cutting maintenance costs
- Ideal for high flow testing
- -40°F to +250°F operating temperature

## Specification

Body Size	Tube Ø	Expanded Tube Ø	Expansion Length Min.	Flow Ø	Termination (male)
04	1/4"	0.316 (8.03)	0.300	0.190 (4.82)	1/4" NPT
05	5/16"	0.382 (9.71)	0.300	0.248 (6.29)	1/4" NPT
06	3/8"	0.444 (11.28)	0.300	0.311 (7.89)	3/8" NPT
08	1/2"	0.570 (14.48)	0.300	0.436 (11.07)	3/8" NPT
10	5/8"	0.700(17.78)	0.300	0.555 (14.09)	3/8" NPT
12	3/4"	0.840 (21.34)	0.300	0.666 (16.91)	3/4" NPT
14	7/8"	0.970 (24.64)	0.300	0.785 (19.93)	3/4" NPT
16	1"	1.120 (28.45)	0.300	0.940 (23.87)	1" NPT
18	1-1/8"	1.230 (31.25)	0.300	1.025 (26.03)	1-1/4" NPT
22	1.85" to 2.04"	1.490 (37.85)	0.300	1.265 (32.13)	1-1/4" NPT

**Note:** Dimensions are in inches (mm).

**Material:** Stainless steel

## Instructions

Click on the document below to view or download the appropriate operating and maintenance instructions for the MBE and MRE Series connectors from ***FasTest***.

Proper use of the connectors will ensure safe operation and maximum connector life.

- MBE / MRE Operating and Maintenance Instructions

## CADModels

## How to Order:

The MBE and MRE Series connectors are designed for mechanical gripping on expanded tubing.

Connectors are designed, engineered and manufactured to your specific application requirements.

For part number and a price quotation:

- 1) Identify the gripping and sealing areas of your test piece.
- 2) Contact ***FasTest*** with information on test pressure, media and provide detailed drawing, including tolerances of test piece.
- 3) Two sample parts will be required at the time of order for final design and testing purposes.