

**BARREL STAND TEST UNIT (BSTU), FOR THE MOBILE GUN SYSTEM –
TACTICAL ENGAGEMENT SIMULATION SYSTEM (MGS-TESS)
SUB CALIBER IN-BORE 105MM SA STRYKER**



Training Category/Level Utilized:
Armor/Level 3

Logistic Responsible Command, Service, or Agency:
PEO-STRI, Orlando FL

Source and Method of Obtaining:
Available through local TSC that support MGS-TESS
Sub Caliber In-bore 105mm SA Stryker

Purpose of Trainer:
Purpose of Equipment: The BSTU serves as a test stand and power source for Training Device 17-243-04/03, Sub Caliber in-Bore 105MM SA, Stryker. Maintenance personnel can use the BSTU in a shop environment to trouble shoot suspected faults with the Sub Caliber In-bore Device for the Stryker MGS.

Functional Description:
As with any piece of equipment, there may be malfunctions reported by the user. For TSC or maintenance personnel to properly troubleshoot any reported malfunctions they must be able assemble and power the device up to perform function checks. The BSTU provides a stable mounting platform for assembly of the IDS and an electrical connection so maintenance personnel can perform all functions of the IDS without having to install the device in a MGS Stryker vehicle.

Physical Information:

1. BSTU Case/w Power Supply and Harnesses
2. Tool Kit
Hex Keys, 5/16 and 7/32,
6 inch Adjustable Wrench

3. 4 EA. Flange Nut, 1/2-13 X 7/8 Wd X 11/16 Ht
(4 spare are also included)
4. 4 EA. Socket Head Cap Screw 3/8-16 X 1" Lg.
(4 spare are also included)
5. 2 EA. C-Clamp, 4" X 3" Throat
6. Barrel Stand (Shown Assembled)
7. Foam Block, Tool Pocket Support
8. Foam Block, Rod Support
9. TM 105-BSTU-10 Operators Manual

Equipment Required, Not Supplied:
None

Special Installation Requirements:
The BSTU kit comes with everything necessary to assemble the stand, to include Hex keys and an adjustable wrench.

Power Requirements:
The power supply in the BSTU supports 100-240 volts incoming power and supplies 24volts to power up and operate the IDS. The power module automatically senses incoming voltage and there are no external switches that must be manipulated to compensate for the power supply in your region

Applicable Publications:
TM 105-BSTU-10

Reference Publications:
None

Training Requirements Supported:
MOSC 19K