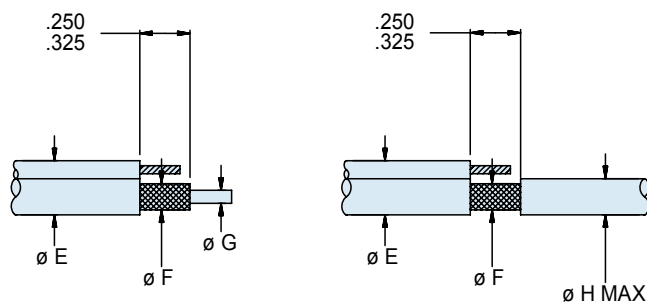
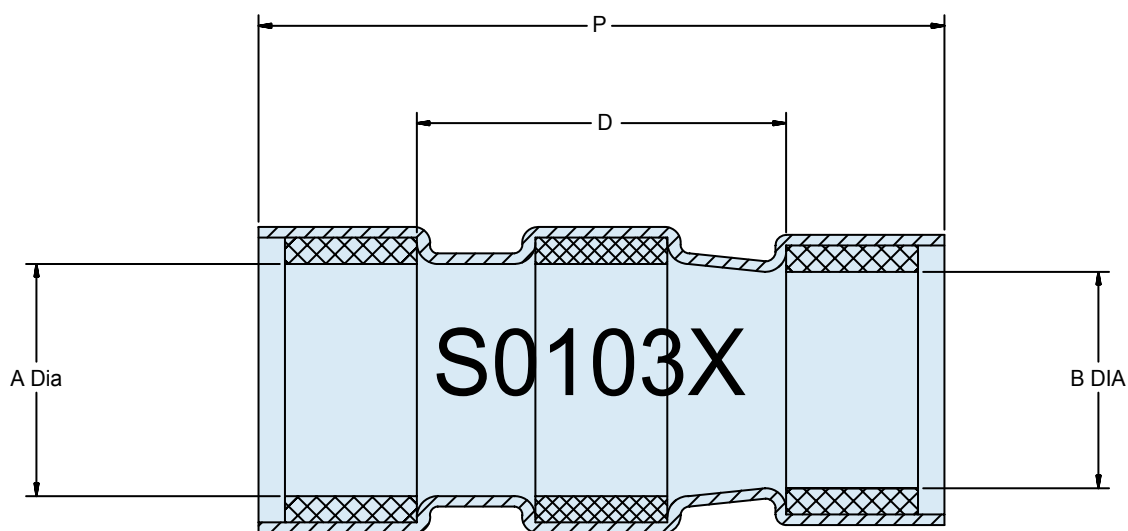
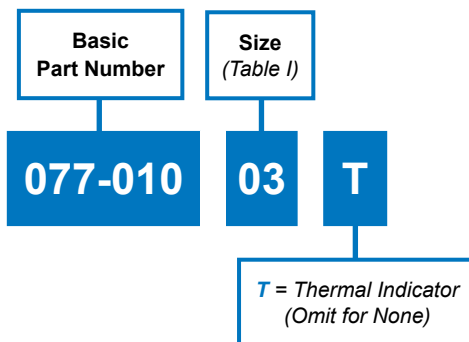




**077-010**  
**AS83519/1 Type Heat Shrink Termination (HST) Sleeves**  
**No Lead Wire**



Dimensions in Inches (millimeters) are subject to change without notice.

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**AS83519/1 Type Heat Shrink Termination (HST) Sleeves**  
**No Lead Wire**



Designed to meet SAE AS83519 performance requirements, Glenair Heat Shrink Termination (HST) shield to ground termination sleeves are fabricated from special transparent cross-linked polyvinylidene fluoride tubing to deliver optimal environmental shield termination in aerospace and defense industry applications. Each HST device is equipped with a pre-fluxed solder preform and thermally stabilized thermoplastic sealing rings that encapsulated and protect the shield-to-ground termination. Glenair HST devices are tested to perform from -55°C to 125°C IAW SAE AS83519.

**TABLE I: Dimensions, Marking Code and Military Reference Number**

| Size | A Dia<br>Min | B Dia<br>Min | P<br>± .07 (1.8) | D<br>Min    | W<br>Ref    | E Dia<br>Max | F Dia<br>Min | G Dia<br>Min | H Dia<br>Max | Military Ref<br>No Lead<br>Wire | Marking<br>Code<br>(See Note 1) |
|------|--------------|--------------|------------------|-------------|-------------|--------------|--------------|--------------|--------------|---------------------------------|---------------------------------|
| 01   | .105 (2.67)  | .075 (1.91)  | .65 (16.5)       | .325 (8.26) | .095 (2.42) | .105 (2.65)  | .035 (0.90)  | .020 (0.50)  | .075 (1.90)  | M83519/1-1                      | S0101X                          |
| 02   | .145 (3.68)  | .105 (2.67)  | .65 (16.5)       | .325 (8.26) | .095 (2.42) | .145 (3.68)  | .055 (1.40)  | .030 (0.72)  | .105 (2.65)  | M83519/1-2                      | S0102X                          |
| 03   | .200 (5.08)  | .170 (4.32)  | .65 (16.5)       | .325 (8.26) | .125 (3.18) | .200 (5.08)  | .085 (2.15)  | .050 (1.25)  | .170 (4.30)  | M83519/1-3                      | S0103X                          |
| 04   | .255 (6.48)  | .235 (5.97)  | .75 (19.0)       | .325 (8.26) | .125 (3.18) | .255 (6.45)  | .130 (3.30)  | .070 (1.80)  | .235 (5.95)  | M83519/1-4                      | S0104X                          |
| 05   | .300 (7.62)  | .275 (7.0)   | .75 (19.0)       | .325 (8.26) | .125 (3.18) | .300 (7.60)  | .170 (4.30)  | .100 (2.50)  | .275 (7.00)  | M83519/1-5                      | S0105X                          |

**Notes**

1. Code number option to be located on sleeve (Example: S0103X)

**Material/Finish:**

- Insulation sleeve - Heat-shrinkable, radiation crosslinked, modified polyvinylidene fluoride per MIL-I-23053/8. Color - Transparent blue.
- Meltable sealing ring - Thermally stabilized thermoplastic, color blue.
- Solder preform - Alloy Sn63 per QQ-S-571 with thermochromic indicator using ROL1 type RMA flux.

**Application**

- Temperature rating: -55°C to +150°C. Cable jacket rating: 125°C min.
- Shield plating: Tin or silver
- For best results prepare cable as shown

Dimensions in Inches (millimeters) are subject to change without notice.