



310-034  
O-Ring Sealed Shrink Boot Adapter  
Direct Coupling - Standard Profile

CONNECTOR DESIGNATOR:

|    |                                                             |
|----|-------------------------------------------------------------|
| A  | MIL-DTL-5015, -26482, Series II and -83723 Series I and III |
| B* | MIL-DTL-5015                                                |
| C  | MIL-DTL-2292                                                |
| D  | MIL-DTL-26482                                               |
| E  | MIL-DTL-26500                                               |
| F  | MIL-DTL-38999 Series I, II                                  |
| G  | MIL-DTL-28840                                               |
| H  | MIL-DTL-38999 Series III and IV                             |
| J  | MIL-DTL-81511 Series I, II, III & IV                        |
| K  | MIL-DTL-83723 Series II                                     |
| L  | LN29729                                                     |
| S  | PATT 105, PATT 603, PATT 608                                |

DIRECT COUPLING

\*When using Designator B, refer to Pages H-4 and H-5

| Finish                                                                |
|-----------------------------------------------------------------------|
| B = Cadmium Plate, Olive Drab                                         |
| C = Anodize, Black                                                    |
| G = Hard Coat, Anodic                                                 |
| M = Electroless Nickel                                                |
| NF = Cadmium Plate, Olive Drab over Electroless Nickel (See Page H-3) |

Angle and Profile

H = 45°  
J = 90°  
S = Straight

Product Series

310

D

S

034

M

16

T

Connector Designator

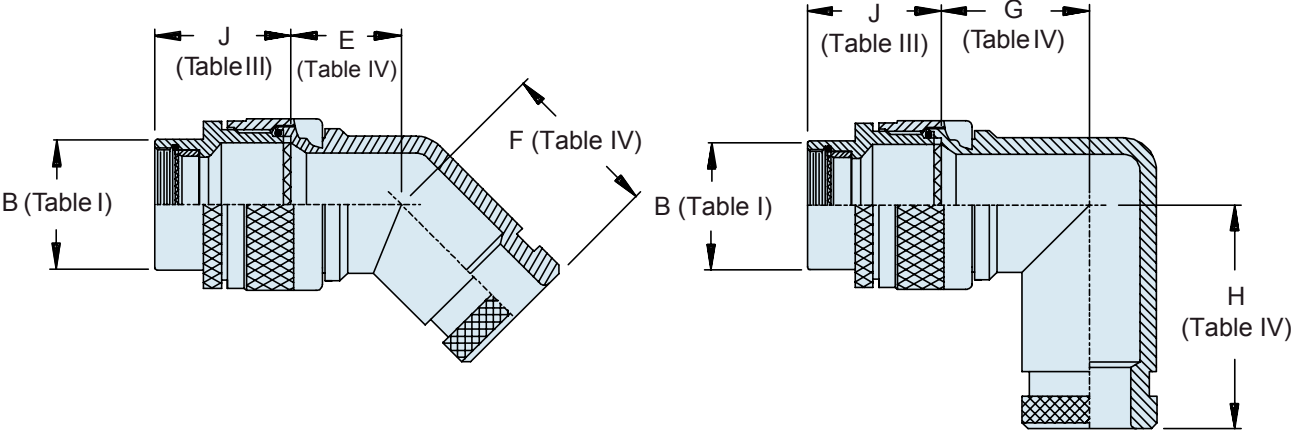
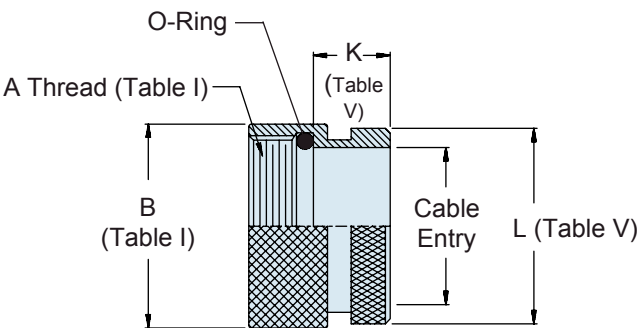
Basic Part Number

Shell Size

Shrink Boot  
See Table III  
(Omit for None)



Add "T" to Part Number for Standard Boot



APPLICATION NOTES

- 1. Cable Entry is defined as the accommodation range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.
- 2. See Backshell Interface Dimensions and Standards on Page H-4.
- 3. When using Connector Designator B refer to pages H-4 and H-5 for part number development.

# 310-034

## O-Ring Sealed Shrink Boot Adapter

### Direct Coupling - Standard Profile



See Pages H-2 and H-3 for unabridged Tables I and II.

**TABLE III: Front Adapter**

| Shell Size | J Max - Connector Designator |              | C            |
|------------|------------------------------|--------------|--------------|
|            | A-E-F-J-H-S                  | D-B-G-K      |              |
| 08/09      | 1.180 (30.0)                 | 1.250 (31.8) | —            |
| 10/11      | 1.180 (30.0)                 | 1.250 (31.8) | —            |
| 12/13      | 1.180 (30.0)                 | 1.250 (31.8) | 1.735 (44.1) |
| 14/15      | 1.180 (30.0)                 | 1.250 (31.8) | 1.915 (48.6) |
| 16/17      | 1.380 (35.0)                 | 1.560 (39.6) | 1.915 (48.6) |
| 18/19      | 1.380 (35.0)                 | 1.560 (39.6) | 1.915 (48.6) |
| 20/21      | 1.380 (35.0)                 | 1.560 (39.6) | 1.915 (48.6) |
| 22/23      | 1.380 (35.0)                 | 1.560 (39.6) | 1.915 (48.6) |
| 24/25      | 1.380 (35.0)                 | 1.560 (39.6) | 1.915 (48.6) |
| 28/29      | 1.610 (40.9)                 | 1.560 (39.6) | 1.915 (48.6) |
| 32/33      | 1.610 (40.9)                 | 1.750 (44.5) | 1.915 (48.6) |
| 36         | 1.610 (40.9)                 | 1.750 (44.5) | 1.915 (48.6) |
| 40         | 1.610 (40.9)                 | 2.190 (55.6) | 1.915 (48.6) |

**TABLE IV: Dimensions**

| Shell Size | E Max        | F Max        | G Max        | H Max        |
|------------|--------------|--------------|--------------|--------------|
| 08/09      | .639 (16.2)  | .810 (20.6)  | .750 (19.1)  | .920 (23.4)  |
| 10/11      | .664 (16.9)  | .840 (21.3)  | .810 (20.6)  | .980 (24.9)  |
| 12/13      | .688 (17.5)  | .860 (21.8)  | .870 (22.1)  | 1.040 (26.4) |
| 14/15      | .705 (17.9)  | .890 (22.6)  | .920 (23.4)  | 1.110 (28.2) |
| 16/17      | .732 (18.6)  | .910 (23.1)  | .980 (24.9)  | 1.170 (29.7) |
| 18/19      | .748 (19.0)  | .920 (23.4)  | 1.020 (25.9) | 1.190 (30.2) |
| 20/21      | .773 (19.6)  | .940 (23.9)  | 1.080 (27.4) | 1.250 (31.8) |
| 22/23      | .800 (20.3)  | .980 (24.9)  | 1.140 (29.0) | 1.330 (33.8) |
| 24/25      | .823 (20.9)  | 1.010 (25.7) | 1.200 (30.5) | 1.400 (35.6) |
| 28         | 1.041 (26.4) | 1.180 (30.0) | 1.480 (37.6) | 1.640 (41.7) |
| 32         | 1.092 (27.7) | 1.370 (34.8) | 1.610 (40.9) | 1.880 (47.8) |
| 28         | 1.041 (26.4) | 1.180 (30.0) | 1.480 (37.6) | 1.640 (41.7) |
| 32         | 1.092 (27.7) | 1.370 (34.8) | 1.610 (40.9) | 1.880 (47.8) |

**TABLE V: Shell Size, Cable Entry, Dimensions and Shrink Boot Part Numbers**

| Shell Size | K Max       | L Max        | Cable Entry Minimum | Shrink Boot Part Number |
|------------|-------------|--------------|---------------------|-------------------------|
| 08         | .500 (12.7) | .688 (17.5)  | .250 (6.4)          | 770-001S103             |
| 10/11      | .500 (12.7) | .803 (20.4)  | .355 (9.0)          | 770-001S103             |
| 12/13      | .500 (12.7) | .938 (23.8)  | .491 (12.5)         | 770-001S104             |
| 14/15      | .500 (12.7) | 1.063 (27.0) | .565 (14.4)         | 770-001S104             |
| 16/17      | .500 (12.7) | 1.238 (31.4) | .690 (17.5)         | 770-001S106             |
| 18         | .500 (12.7) | 1.310 (33.3) | .769 (19.5)         | 770-001S106             |
| 20         | .500 (12.7) | 1.436 (36.5) | .844 (21.4)         | 770-001S107             |
| 22         | .500 (12.7) | 1.560 (39.6) | 1.019 (25.9)        | 770-001S107             |
| 24         | .500 (12.7) | 1.686 (42.8) | 1.134 (28.8)        | 770-001S108             |
| 28         | .687 (17.4) | 2.062 (52.4) | 1.369 (34.8)        | 770-001S108             |
| 32         | .687 (17.4) | 2.312 (58.7) | 1.615 (41.0)        | 770-001S109             |
| 36         | .687 (17.4) | 2.562 (65.1) | 1.830 (46.5)        | Consult Factory         |
| 40         | .687 (17.4) | 2.812 (71.4) | 2.045 (51.9)        | Consult Factory         |

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

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GLENAIR, INC. • 1211 AIR WAY • GLENDALE, CA 91201-2497 • 818-247-6000 • FAX 818-500-9912

www.glenair.com

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E-Mail: sales@glenair.com