



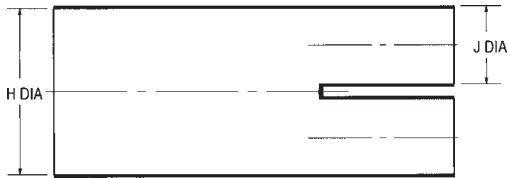
# Heat Shrink Heavy Duty Breakout Boot, 2-Way Outlet

3M Part Numbers HDBB-205 to 230

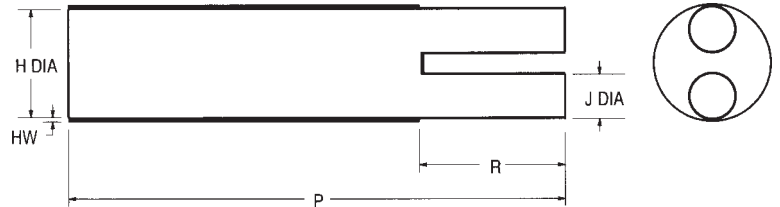
## Typical Applications

These breakout boots provide strain relief and environmental/mechanical protection for breakouts in multiconductor armored or sheathed cables. This style is designed for two breakouts.

### Expanded part (as supplied)



### Fully recovered part (after heating)



PART NUMBER	NAVSEA or DOD-STD- 2003-1 Part Number	Cable End H DIA		Conductor Legs J DIA		P ±10% R	R ±10% R	HW ±20% R
		MIN X	MAX R	MIN X	MAX R			
HDBB-205-1-250	1A62-1	0.80 (20.32)	0.37 (9.40)	0.33 (8.38)	0.11 (2.79)	2.70 (68.58)	0.70 (17.78)	0.06 (1.52)
HDBB-210-1-250	1A62-2	1.20 (30.48)	0.60 (15.24)	0.50 (12.70)	0.17 (4.32)	3.50 (88.90)	1.00 (25.40)	0.08 (2.03)
HDBB-220-1-250	1A62-3	1.90 (48.26)	0.90 (22.86)	0.75 (19.05)	0.30 (7.62)	4.20 (106.68)	1.20 (30.48)	0.12 (3.05)
HDBB-230-1-250	1A62-4	3.00 (76.20)	1.50 (38.10)	1.45 (36.83)	0.50 (12.70)	5.00 (127.00)	1.50 (38.10)	0.12 (3.05)

#### Notes:

- All dimensions in both inches and metric, all angles in degrees
- Dimensions in table: X = Expanded (Minimum) R = Recovered (Maximum)
- Color: Black
- 3M CAGE Code: 20999

Materials Available		Standard Part Supplied with -250 Adhesive		Description Thermoplastic 80°C
		Adhesive (Part #)	Factory Applied	
-1	Semi-rigid Flame Retardant Polyolefin	TTS-250	-250	
-3	Flexible Polyolefin, Halogen Free			
-6	Flexible Flame Retardant Polyolefin			

**Important Notice**

All statements, technical information and recommendations related to the Seller's products are based on information believed to be reliable, but the accuracy or completeness thereof is not guaranteed. Before utilizing the product, the user should determine the suitability of the product for its intended use. The user assumes all risks and liability whatsoever in connection with such use.

Any statements or recommendations of the Seller which are not contained in the Seller's current publications shall have no force or effect unless contained in an agreement signed by an authorized officer of the Seller. The statements contained herein are made in lieu of all warranties, expressed or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose which warranties are hereby expressly disclaimed.

SELLER SHALL NOT BE LIABLE TO THE USER OR ANY OTHER PERSON UNDER ANY LEGAL THEORY, INCLUDING BUT NOT LIMITED TO NEGLIGENCE OR STRICT LIABILITY, FOR ANY INJURY OR FOR ANY DIRECT, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES SUSTAINED OR INCURRED BY REASON OF THE USE OF ANY OF THE SELLER'S PRODUCTS.

**Electrical Products Division**

6801 River Place Blvd.  
Austin, TX 78726-9000