



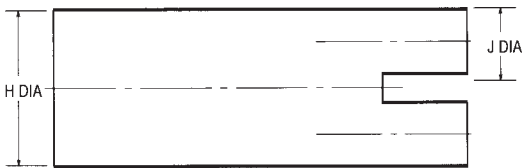
Heat Shrink Heavy Duty Breakout Boot, 4-Way Outlet

3M Part Numbers HDBB-405 to 430

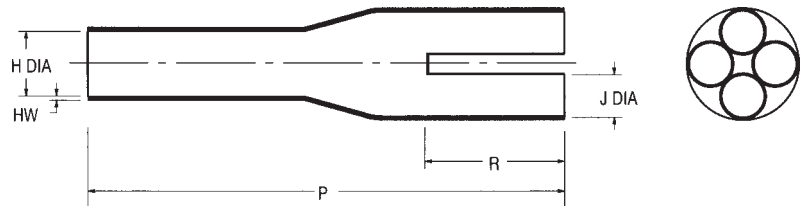
Typical Applications

These breakout boots provide strain relief and environmental/mechanical protection for breakouts in multiconductor armored or sheathed cables. This style is designed for four 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-405-1-250	1A62-12	0.90 (22.86)	0.43 (10.92)	0.28 (7.11)	0.11 (2.79)	2.75 (69.85)	0.75 (19.05)	0.05 (1.27)
HDBB-410-1-250	1A62-13	1.25 (31.75)	0.80 (20.32)	0.50 (12.70)	0.19 (4.83)	3.30 (83.82)	1.00 (25.40)	0.09 (2.29)
HDBB-415-1-250	1A62-14	1.75 (44.45)	0.98 (24.89)	0.79 (20.07)	0.28 (7.11)	3.50 (88.90)	1.20 (30.48)	0.15 (3.81)
HDBB-420-1-250	1A62-15	2.35 (59.69)	1.00 (25.40)	1.00 (25.40)	0.35 (8.89)	8.50 (215.90)	1.70 (43.18)	0.15 (3.81)
HDBB-425-1-250	1A62-16	2.65 (67.31)	1.40 (35.56)	1.20 (30.48)	0.53 (13.46)	5.00 (127.00)	1.50 (38.10)	0.15 (3.81)
HDBB-430-1-250	1A62-17	5.25 (133.35)	3.00 (76.20)	1.35 (34.29)	0.55 (13.97)	9.00 (228.60)	3.00 (76.20)	0.14 (3.56)

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

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