HiPer-D® Accessories

Elliptical D-subminiature heatshrink boots

770-030

Elliptical heatshrink boots are designed for Glenair rectangular HiPer-D® backshells with large elliptical cable entries. Heatshrink boots provide strain relief and environmental protection. Shape-memory polymer returns to as-molded shape when heat is applied. Boot lip fits adapter groove for precise fit. Semi-rigid high performance elastomer resists high temperature and withstands exposure to petroleum-based fluids and fuels. Also available with non-halogenated flame-retardant polyolefin for use where limited fire hazard is required.

About User-Installed Adhesive

Heat-shrink boots are not watertight unless equipped with pre-coated or user-installed adhesives. When heat is applied to the boot, the adhesive melts and fixes the boot to the adapter and cable jacket to provide the necessary sealing as well as mechanical strain-relief. For maximum performance Glenair recommends Type U user-installed two-part epoxy adhesive which offers reduced boot installation time and easier installation. Pre-coated boots require additional care to install because the boot must be heated sufficiently to activate the epoxy, at the risk of overheating the overall assembly. A single 50 ml duo syringe can coat many boots. The duo syringe can be re-capped for re-use. Inexpensive mixing nozzles must be discarded after each use.

NOTE: Glenair high-performance two part epoxy meets VG95343 part 15.

See next page for ordering information on user-installed two part epoxy adhesive.

Series 77 "Full Nelson" Shrink Boot Catalog has additional boot styles, technical information, installation instructions and other heatshrink products. Contact Glenair or go to ***www.glenair.com***.

MATERIAL SELECTION GUIDE

1 **Type 1 High Performance Elastomer** -75°C to +150°C**.** Semi-rigid high performance elastomer combines excellent resistance to fuels, oils and solvents with superior performance at extreme temperatures. Material meets the requirements of VG95343 Type 6, BSG 198-5-DE, EN62329-102 and SAE AS5258 Type H. Recommended for demanding applications such as military vehicles and petrochemical exploration.

2 **Type 2 Zero Halogen Polyolefin** -30°C to +135°C**.** Low Smoke Zero Halogen (LSZH) polyolefin boots meet low smoke and toxicity requirements of shipboard, transit and aircraft systems. Oxygen index greater than 30%, smoke index less than 20, and toxicity index under 3 per 100 grams. Material meets requirements of NAVSEA 5617649, VG95343 Part 29, BSG 198-5-DF, EN62329-101 and SAE AS5258 Type G. Good resistance to oils, fuels and solvents.

PRE-COATED ADHESIVE SELECTION GUIDE

W1 **Low Smoke Zero Halogen (LSZH) polyamide hot melt adhesive Coating.** Bonds well to a variety of substrates. Good creep resistance at elevated temperatures. Excellent bond strength at low temperature. Good resistance to fuels and oils. -55°C to +105°C. Compatible with Type 1 and Type 2 boot materials.

R **High Temperature Epoxy Adhesive Coating**. Glenair's highest performance pre-coated adhesive. The material requires careful installation using trained operators. -75°C to 150°C. Withstands prolonged high temperature immersion in fuels and oils. Excellent peel adhesion. Compatible with Type 1 and Type 2 boot materials.

Ordering Information

Sample Part Number	770-030	1	05	R
Basic Part Number	**770-030**			
Material	**1** = High Performance Elastomer **2** = Zero Halogen Polyolefin			
Boot Size	**05** = Size 05 **06** = Size 06 (see next page for dimensions)			
Adhesive Lining	**W1** = Low Smoke Zero Halogen Polyamide Hot Melt Adhesive **R** = High Temperature, High Strength Epoxy Adhesive Omit for boot with no adhesive lining			

F

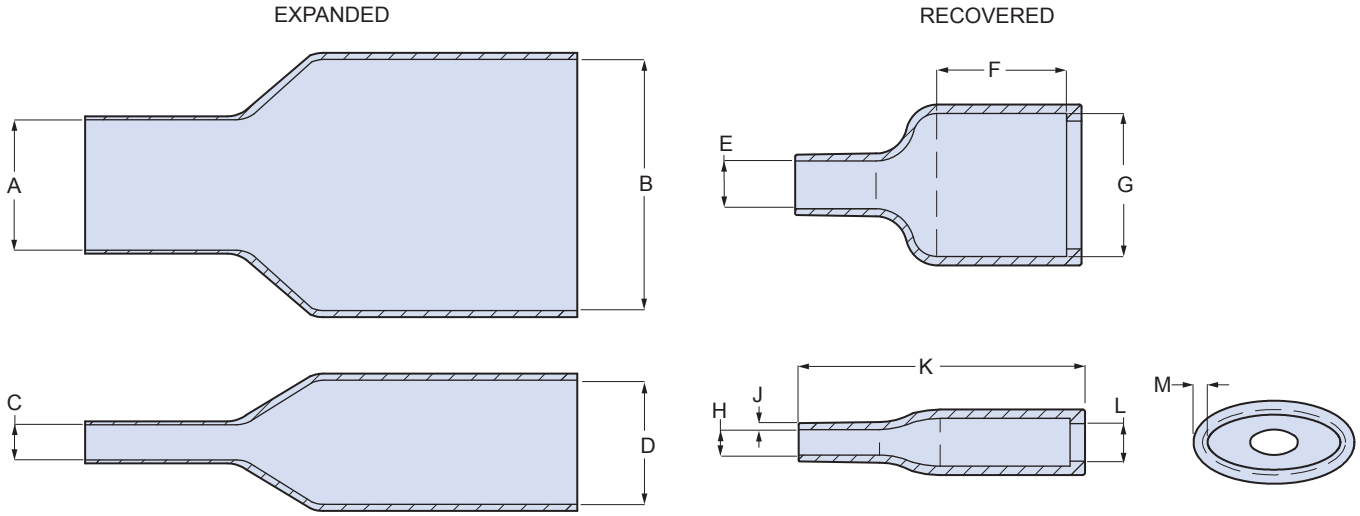
Downloaded from Arrow.com.

HiPer-D® Accessories

Elliptical D-subminiature heatshrink boots

770-030

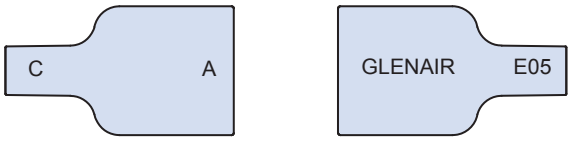
770-030 HEATSHRINK BOOT DIMENSIONS



Boot Size	A Min		B Min		C Min		D Min		E Max		F ± 10%		G Max		H Max		J ± 10%		K ± 10%		L Max		M ± 10%	
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm
05	1.50	38.1	2.00	50.8	.800	20.3	1.00	25.4	.375	9.53	1.062	27	1.125	28.6	.200	5.08	.060	1.52	2.29	58.2	.375	9.53	.070	1.78
06	1.80	45.7	2.50	63.5	.580	14.7	1.50	38.1	.450	11.43	1.062	27	1.637	41.6	.145	3.68	.060	1.52	3.05	77.5	.375	9.53	.070	1.78

770-030 HEATSHRINK BOOT IDENTIFICATION MARKINGS

Heatshrink boots are identified with molded-in lettering. This lettering shows the boot type, boot size and orientation. Position the boot so that the lipped "A" end is toward the adapter and the "C" end is toward the cable. Assembly instructions are in the ***Series 77 "Full Nelson" Environmental Shrink Boots*** catalog, available at www.glenair.com.



USER-INSTALLED BOOT ADHESIVE, DISPENSING GUN AND MIXING NOZZLE

Part Number
779-001

High performance flexible two part thermoset epoxy provides high strength flexible bond from -55° to 150°C. 50 mL duo syringe fits standard dispensing guns. Use with square green mixing nozzle sold separately. 12 hour cure time at 20°C, 1 hour at 85°C, 30 minutes at 150°C. Apply to inside of boot with wooden spatula. 18 month shelf life.

Part Number
779-002

Twin push-rod 1:1 ratio epoxy dispensing gun for use with duo syringe epoxy and mixing nozzle sold separately. Durable heavy-duty plastic. Gun type hand grip with ratcheting trigger to advance push-rods.

Part Number	Count Per Pack
779-003	12

1:1 ratio mixing nozzle attaches to duo syringe with 1/2 turn and locks into place. Nozzle provides consistent mixing of resin and hardener. Kit consists of (12) nozzles.

F

© 2015 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324 • Series 28 HiPer-D catalog
Dimensions in Inches (millimeters) are subject to change without notice.

Downloaded from Arrow.com.