

# Series 77 Shrink Boots Right Angle Lipless Boots How To Order



## Right Angle Shrink Boots, Lipless



Right angle lipless boots for attachment directly to standard circular connectors. Choose Type 1 high performance elastomer for extreme temperatures and excellent resistance to fuels and oils, Type 2 non-halogenated flame-retardant polyolefin for use where limited fire hazard is required, or choose Type 3 general purpose polyolefin for use where occasional exposure to heat and chemicals may occur.

**Table 1: Boot Size Selection Guide**

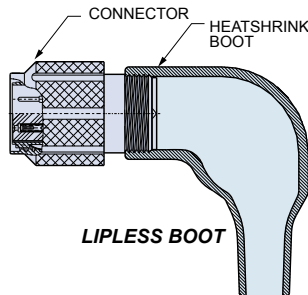
Boot Size	Connector Diameter				Min. Cable Diameter	
	Inches		Millimeters			
	Min	Max	Min	Max	In.	mm.
00	.250	.325	6.35	8.26	.110	2.79
02	.350	.625	8.89	15.88	.175	4.45
03	.450	.850	11.43	21.59	.225	5.72
04	.575	1.000	14.61	25.40	.250	6.35
05	.750	1.200	19.05	30.48	.300	7.62
06	.950	1.350	24.13	34.29	.375	9.53
07	1.150	1.600	29.21	40.64	.425	10.80
08	1.600	2.000	40.60	50.80	.650	16.50

**Table 2: Material Selection Guide**

Attribute	Type 1 High Performance Semi-Rigid Elastomer	Type 2 Zero Halogen Semi-Rigid Polyolefin	Type 3 General Purpose Flexible Polyolefin
Continuous Operating Temperature	-75° to +150°C	-30° to +125°C	-55° to +135°C
Resistance to Fuels, Oils, and Fluids	Excellent	Very Good	Good
Flammability	Self-Extinguishing <15 Sec.	Self-Extinguishing <15 Sec.	Self-Extinguishing <120 Sec.
Low Temperature Flexibility	-70°C	-30°C	-55°C
Low Toxicity, Zero Halogen	No	Yes	No

**Table 3: Pre-Coated Boots Adhesive Information**

Attribute	W2 Standard Hot Melt Adhesive	W1 High Temperature Hot Melt Adhesive	R High Performance Epoxy Adhesive
Boot Material Compatibility	Types 1, 2 and 3	Types 1, 2 and 3	Type 1
Continuous Operating Temp.	-40° to +80°C	-55° to +105°C	-75° to +150°C
Resistance to Fuels, Oils, and Fluids	Good	Good	Excellent
Low Toxicity, Zero Halogen	Yes	Yes	Yes



## Lipless Right Angle Boots- Type I High Performance Elastomer

- -75° C to +150° C
- Excellent resistance to fuels, oils, solvents and heat.

Semi-rigid high performance boots combine excellent resistance to fuels, oils and solvents with superior performance at extreme temperatures. Rated for 3000 hours continuous operation at +150° C. Material meets the requirements of VG95343 Type 6, BSG 198-5-DE, EN62329-102 and SAE AS5258 Type H. These boots are recommended for demanding applications such as military vehicles and petrochemical exploration.



Boot Size	Part Number			
	No Adhesive Lining	Pre-Coated with W1 Hi-Temp Hot-Melt Adhesive	Pre-Coated with W2 Standard Hot-Melt Adhesive	Pre-Coated with R Epoxy Adhesive
00	770-005A100	770-005A100W1	770-005A100W2	770-005A100R
02	770-005A102	770-005A102W1	770-005A102W2	770-005A102R
03	770-005A103	770-005A103W1	770-005A103W2	770-005A103R
04	770-005A104	770-005A104W1	770-005A104W2	770-005A104R
05	770-005A105	770-005A105W1	770-005A105W2	770-005A105R
06	770-005A106	770-005A106W1	770-005A106W2	770-005A106R
07	770-005A107	770-005A107W1	770-005A107W2	770-005A107R
08	770-005A108	770-005A108W1	770-005A108W2	770-005A108R

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

### Lipless Right Angle Shrink Boots- Type 2 Zero Halogen, Semi-Rigid

- *Low Smoke, Zero Halogen*
- *Meets U.S. and E.U. toxicity requirements.*

Halogen-free 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. Available with high temperature hot melt adhesive lining, these boots provide strain relief and environmental protection to connector/cable transitions. Temperature rating -30° to +125° C. Black color.



Boot Size	Part Number		
	No Adhesive Lining	Pre-Coated with <i>W1</i> Hi-Temp Hot-Melt Adhesive	Pre-Coated with <i>W2</i> Standard Hot-Melt Adhesive
00	770-005A200	770-005A200W1	770-005A200W2
02	770-005A202	770-005A202W1	770-005A202W2
03	770-005A203	770-005A203W1	770-005A203W2
04	770-005A204	770-005A204W1	770-005A204W2
05	770-005A205	770-005A205W1	770-005A205W2
06	770-005A206	770-005A206W1	770-005A206W2
07	770-005A207	770-005A207W1	770-005A207W2
08	770-005A208	770-005A208W1	770-005A208W2

### Lipless Right Angle Shrink Boots- Type 3 Polyolefin, Flexible

- *General purpose harnessing*
- *Economical, flexible*
- *-55° C to +135° C*

Economical flexible polyolefin boots with no lip, for direct attachment to connectors. These self-extinguishing boots meet the requirements of SAE AS81765/1 Type II. Good resistance to oils and fuels. Available with optional hot melt adhesive lining, these boots provide strain relief and environmental protection to connector/cable transitions. Temperature rating -55° to +135° C. Black color.



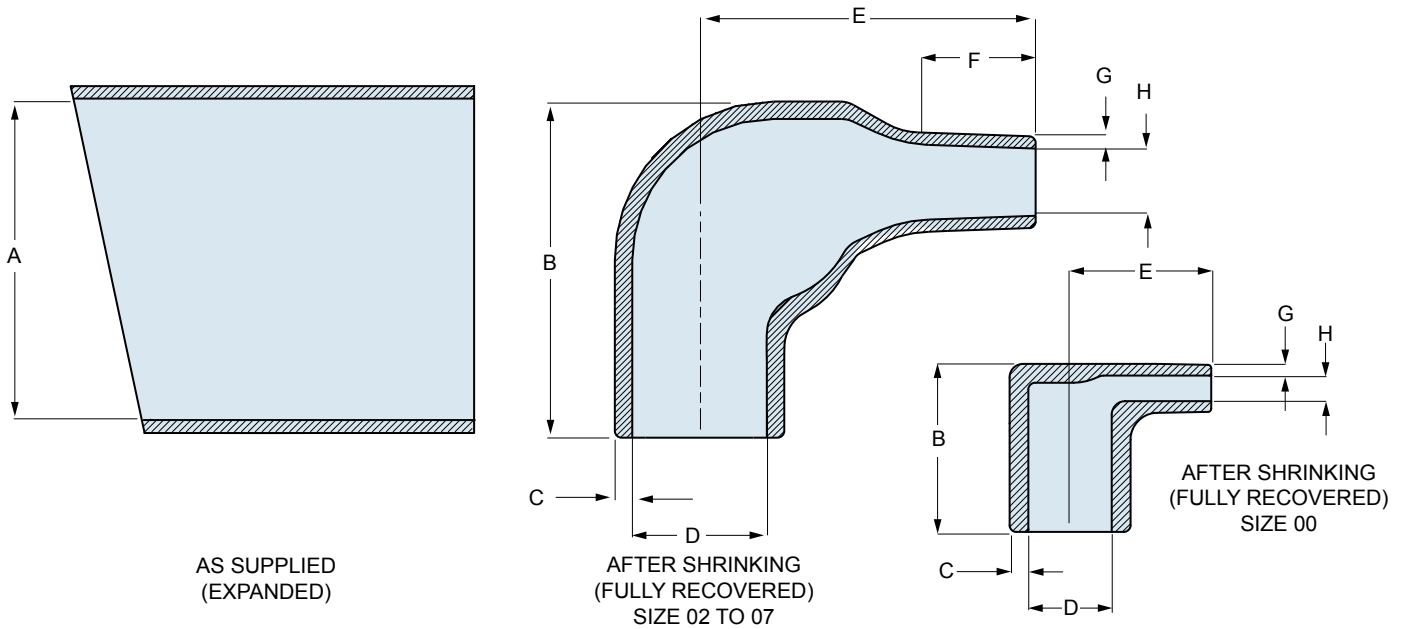
Boot Size	Part Number		
	No Adhesive Lining	Pre-Coated with <i>W2</i> Standard Hot-Melt Adhesive	Pre-Coated with <i>W1</i> Hi-Temp Hot-Melt Adhesive
00	770-005A300	770-005A300W2	770-005A300W1
02	770-005A302	770-005A302W2	770-005A302W1
03	770-005A303	770-005A303W2	770-005A303W1
04	770-005A304	770-005A304W2	770-005A304W1
05	770-005A305	770-005A305W2	770-005A305W1
06	770-005A306	770-005A306W2	770-005A306W1
07	770-005A307	770-005A307W2	770-005A307W1
08	770-005A308	770-005A308W2	770-005A308W1

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

# Series 77 Shrink Boots Right Angle Lipless Boots Dimensions

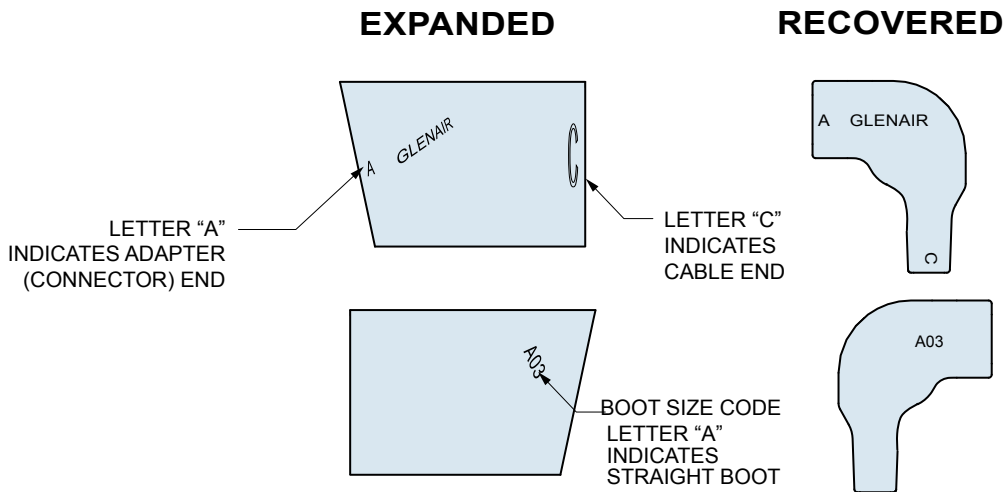


## Lipless Right Angle Shrink Boots- Dimensions



Boot Size	A Min.		B Ref.		C ± 30%		D Max.		E ± 20%		F Ref.		G ± 20%		H Max.	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
00	.354	9.0	.492	12.5	.039	1.0	.236	6.0	.413	10.5	NA	NA	.028	0.7	.079	2.0
02	.669	17.0	.787	20.0	.051	1.3	.315	8.0	.787	20.0	.276	7.0	.028	0.7	.138	3.5
03	.945	24.0	.984	25.0	.063	1.6	.394	10.0	.984	25.0	.394	10.0	.035	0.9	.197	5.0
04	1.181	30.0	1.063	27.0	.071	1.8	.532	13.5	1.260	32.0	.472	12.0	.039	1.0	.217	5.5
05	1.260	32.0	1.260	32.0	.071	1.8	.709	18.0	1.535	39.0	.591	15.0	.047	1.2	.276	7.0
06	1.417	36.0	1.496	38.0	.079	2.0	.886	22.5	1.929	49.0	.630	16.0	.047	1.2	.335	8.5
07	1.693	43.0	1.850	47.0	.087	2.2	1.102	28.0	2.165	55.0	.709	18.0	.059	1.5	.394	10.0
08	2.050	52.0	3.150	80.0	.130	3.3	1.380	35.1	3.150	80.0	1.260	32.0	.060	1.5	1.380	35.1

## Lipless Right Angle Boots- Part Marking, Raised Lettering



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