

**SERIES 77  
ENVIRONMENTAL  
SHRINK BOOTS**



**SERIES 77  
TACOM-Approved Environmental Shrink Boots**

**Glenair Environmental Shrink Boots Now TACOM Approved, In-Stock and Ready for Immediate Shipment**

High-performance Series 77 "Full Nelson" environmental shrink boots manufactured by Glenair in Glendale, California are now approved by the US Army Tank-Automotive Command (TACOM). Manufactured from high-temperature crosslinked elastomeric polymer material and/or caustic chemical-resistant Viton polymer, Glenair straight and right angle long-tail shrink boots, Y and T transitions, convoluted strain-relief boots and heat-shrinkable adapter shims have been added to the following source control documentation:

**Glenair Series 77 "Full Nelson" TACOM APPROVED Shrink Boots**

Description	Military Part Number	Glenair Part Number	Raychem Part Number	Hellermann Part Number	Description	Military Part Number	Glenair Part Number	Raychem Part Number	Hellermann Part Number
Heat Shrinkable Low Profile 3-Entry "Y" Transition	12273148-1**	770-009Y*05	381A301-**	492H412-*	Heat Shrinkable Straight Lipped 2-Entry Long Tail Boot	12273147-1**	770-020S*02	202F211-**	313F322-*
	12273148-2**	770-009Y*06	381A302-**	492H413-*		12273147-2**	770-020S*03	202F221-**	313F332-*
	12273148-3**	770-009Y*07-01	381A303-*01	492H414-*01		12273147-3**	770-020S*04	202F232-**	313F343-*
	12273148-4**	770-009Y*08-01	381A304-*01	492H415-*01		12273147-4**	770-020S*05	202F242-**	313F353-*
	12273148-5**	770-009Y*07	381A303-**	—		12273147-5**	770-020S*06	202F253-**	313F364-*
Heat Shrinkable Low Profile 3-Entry "T" Transition	12273162-1**	770-012T*01	301A511-**	412H622-*	12273147-6**	770-020S*07	202F263-**	313F374-*	
	12273162-2**	770-012T*02	301A512-**	412H623-*	12273147-7**	770-020S*08	202F274-**	313F385-*	
	12273162-3**	770-012T*03	301A513-**	412H624-*	Heat Shrinkable 90° Lipped 2-Entry Long Tail Boot	12273176-1**	770-021A*02	222F211-**	333F322-*
	12273162-4**	770-012T*04	301A514-**	412H625-*		12273176-2**	770-021A*03	222F221-**	333F332-*
12273163-1**	770-014*09	462A421-**	573H532-*	12273176-3**		770-021A*04	222F232-**	333F343-*	
12273163-2**	770-014*10	462A422-**	573H533-*	12273176-4**		770-021A*05	222F242-**	333F353-*	
12273163-3**	770-014*11	462A423-**	573H534-*	12273176-5**		770-021A*06	222F253-**	333F364-*	
Heat Shrinkable Low Profile 4-Entry 3:1 Transition	12273163-4**	770-014*12	462A424-**	573H535-*	12273176-6**	770-021A*07	222F263-**	333F374-*	
	12273164-1**	770-019SB*01	202E334-**	313E445-*	12273176-7**	770-021A*08	222F274-**	333F385-*	
	12273164-2**	770-019SB*02	202E344-**	313E455-*					
Heat Shrinkable Adapter Shim Boot	12273164-3**	770-019SB*03	202E336-**	313E447-*					
	12273164-4**	770-019SB*04	202E346-**	313E457-*					
	12273242-1**	770-022C*01	202C611-**	313C722-9					
	12273242-2**	770-022C*02	202C621-**	313C732-9					
Heat Shrinkable Convoluted Strain Relief 2-Entry Boot	12273242-3**	770-022C*03	202C632-**	313C743-9					
	12273242-4**	770-022C*04	202C642-**	313C753-9					
	12273242-5**	770-022C*05	202C653-**	313C764-9					
	12273242-6**	—	202G621-**	—					
	12273242-7**	—	202G632-**	—					
	12273242-8**	—	202C642-**	—					
	12273242-9**	—	202C653-**	—					

**VG QUALIFIED SHRINK BOOTS AND ADHESIVES**



VG Standards are established by the Deutsches Institut für Normung (DIN) and are widely used in European defense programs. Glenair Type 2 shrink boots are qualified to VG95343 Part 28, and our adhesives are qualified to VG95343 Part 18. Consult Glenair UK for price and delivery.

**Expanded Cross-Reference: TACOM-to-Glenair Shrink Boot Part Numbers**

TACOM #	GLENAIR #	TACOM #	GLENAIR #	TACOM #	GLENAIR #
12273147-120	770-020S602	12273162-110	770-012T601	12273176-120	770-021A602
12273147-220	770-020S603	12273162-210	770-012T602	12273176-220	770-021A603
12273147-320	770-020S604	12273162-310	770-012T603	12273176-320	770-021A604
12273147-420	770-020S605	12273162-410	770-012T604	12273176-420	770-021A605
12273147-520	770-020S606	12273162-120	770-012T501	12273176-520	770-021A606
12273147-620	770-020S607	12273162-220	770-012T502	12273176-620	770-021A607
12273147-720	770-020S608	12273162-320	770-012T503	12273176-720	770-021A608
12273147-130	770-020S502	12273162-420	770-012T504	12273176-130	770-021A502
12273147-230	770-020S503	12273163-110	770-014609	12273176-230	770-021A503
12273147-330	770-020S504	12273163-310	770-014611	12273176-330	770-021A504
12273147-430	770-020S505	12273163-410	770-014612	12273176-430	770-021A505
12273147-530	770-020S506	12273163-120	770-014509	12273176-530	770-021A506
12273147-630	770-020S507	12273163-220	770-014510	12273176-630	770-021A507
12273147-730	770-020S508	12273163-320	770-014511	12273176-730	770-021A508
12273148-110	770-009Y605	12273163-420	770-014512	12273242-110	770-022C601
12273148-210	770-009Y606	12273164-110	770-019SB601	12273242-210	770-022C602
12273148-310	770-009Y607-01	12273164-210	770-019SB602	12273242-310	770-022C603
12273148-410	770-009Y608-01	12273164-310	770-019SB603	12273242-410	770-022C604
12273148-510	770-009Y607	12273164-410	770-019SB604	12273242-510	770-022C605
12273148-120	770-009Y505	12273164-120	770-019SB501	12273242-120	770-022C501
12273148-220	770-009Y506	12273164-220	770-019SB502	12273242-220	770-022C502
12273148-320	770-009Y507-01	12273164-320	770-019SB503	12273242-320	770-022C503
12273148-420	770-009Y508-01	12273164-420	770-019SB504	12273242-320	770-022C503
12273148-520	770-009Y507			12273242-420	770-022C504
				12273242-520	770-022C505

**TACOM Approved Shrink Boot Material Properties**

Property	Viton® Fluoroelastomer Blend (SPEC-01417-SC-X15111)	High Performance Elastomer Blend (SPEC-01417-SC-X15112)
Flexibility	Flexible	Flexible
Operating Temperature Range	-55°C to +150°C	-55°C to +135°C
Shrink Temperature (min.)	135°C	135°C
Tensile Strength (psi)	2200	1500
Elongation (% min.)	400	300
Heat Shock	4 hrs, 225°C	4 hrs, 220°C
Heat Aging	168 hrs, 150°C	168 hrs, 150°C
Dielectric Strength (V/mil)	200	200
Volume Resistivity (ohms-cm)	10 <sup>10</sup>	10 <sup>10</sup>
Water Absorption (%)	0.5	0.5
Flammability	Burn Time <120 sec Burn Length <25mm	Burn Time <120 sec Burn Length <25mm
RoHS Compliant	Yes	Yes

**Approval:**

Project Manager, Heavy Brigade Combat Team (PM-HBCT),  
US Army Tank-Automotive Command (TACOM)



For more information contact Glenair at **818-247-6000** or visit our website at [www.glenair.com](http://www.glenair.com)  
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