

## SERIES 77 ENVIRONMENTAL SHRINK BOOTS

# TACOM APPROVED!

## 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-*              | Heat Shrinkable 90° Lipped 2-Entry Long Tail Boot      | 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-*              |                                                        | 12273176-1**         | 770-021A*02         | 222F211-**          | 333F322-*              |
|                                                       | 12273162-4**         | 770-012T*04         | 301A514-**          | 412H625-*              |                                                        | 12273176-2**         | 770-021A*03         | 222F221-**          | 333F332-*              |
| Heat Shrinkable Low Profile 4-Entry 3:1 Transition    | 12273163-1**         | 770-014*09          | 462A421-**          | 573H532-*              | Heat Shrinkable 90° Lipped 2-Entry Long Tail Boot      | 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-*              |
|                                                       | 12273163-4**         | 770-014*12          | 462A424-**          | 573H535-*              |                                                        | 12273176-6**         | 770-021A*07         | 222F263-**          | 333F374-*              |
| Heat Shrinkable Adapter Shim Boot                     | 12273164-1**         | 770-019SB*01        | 202E334-**          | 313E445-*              |                                                        | 12273176-7**         | 770-021A*08         | 222F274-**          | 333F385-*              |
|                                                       | 12273164-2**         | 770-019SB*02        | 202E344-**          | 313E455-*              |                                                        |                      |                     |                     |                        |
|                                                       | 12273164-3**         | 770-019SB*03        | 202E336-**          | 313E447-*              |                                                        |                      |                     |                     |                        |
|                                                       | 12273164-4**         | 770-019SB*04        | 202E346-**          | 313E457-*              |                                                        |                      |                     |                     |                        |
| Heat Shrinkable Convoluted Strain Relief 2-Entry Boot | 12273242-1**         | 770-022C*01         | 202C611-**          | 313C722-9              |                                                        |                      |                     |                     |                        |
|                                                       | 12273242-2**         | 770-022C*02         | 202C621-**          | 313C732-9              |                                                        |                      |                     |                     |                        |
|                                                       | 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-**          | —                      |                                                        |                      |                     |                     |                        |

**Glenair®**

For more information  
contact Glenair at  
**818-247-6000** or  
visit our website at  
**www.glenair.com**



## SERIES 77 ENVIRONMENTAL SHRINK BOOTS

### TACOM Approved Shrink Boot Material Properties

| Property                     | Viton®<br>Fluoroelastomer Blend<br>(SPEC-01417-SC-X15111) | High Performance<br>Elastomer Blend<br>(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<br>Burn Length <25mm                   | Burn Time <120 sec<br>Burn Length <25mm                       |
| RoHS Compliant               | Yes                                                       | Yes                                                           |

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

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

#### Approval:

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



818-247-6000  
www.glenair.com