Series 310 - Shrink Boot Adapters

The adapters in this section are designed to accommodate lipped-type heat shrinkable boots, which are used for both mechanical strain relief and a degree of environmental protection.

Series 311 - Shrink Boot, EMI/RFI, Strain Relief

This series of adapters provides a simplified method of grounding over-all shields. The over-all shield/braid is secured between a male and female lamp-base type thread providing a good bonding joint. Strain relief clamps and shrink boot attachments are available.

Series 319 - Shrink Boot, EMI/RFI, Shield Sock

These adapters have a shield sock attached to the rear of the adapter body, the method of shield attachment is usually accomplished by means of crimping, Band-it® band, soldering, magna-forming or Tinel® locking system - solutions all supplied by Glenair. This shield sock is then attached to the overall braid on the cable or harness. This attachment is most generally performed by the use of a AS85049/93 back-up ring and then banding the over-lapped braids together. Lipped-type heat shrinkable boots are available to enclose and protect the termination.

Series 32 - Extender Backshells

These simple Glenair backshells provide extensions between the connector and strain relief, offering the convenience of additional space to accommodate service loops, reterminations, diodes, resistors and other uses.
**Series 33 - Pipe Thread Adapters**

Adapters which accommodate tapered National Pipe Threads, usually associated with various forms of conduit or hose end-fittings.

**Series 34 - Shorting Cap Backshells**

Shorting cap backshells provide a total enclosure for the rear of a connector and are adaptable for the fabrication of shorting plugs, special purpose test connectors, or installation of discrete components.

**Series 36 - Non-Environmental Backshells**

Glenair provides straight and angled backshells with a wide variety of strain reliefs for light, medium, general, and heavy duty applications where environmental protection of cable-to-connector terminations is not required.

**Series 37 - Environmental Backshells**

Three versions of environmental backshells are offered with a choice of strain reliefs in straight and angular designs: Full immersion, water-tight and environment resisting. Full immersion denotes cable sealing protection to a depth of 6 ft., water-tight designs provide protection up to 3 ft, and environment resisting backshells are moisture proof (splashproof) and dust resistant. Detailed explanations and drawings of each design are presented at the beginning of this section. A quick reference guide is also provided to aid in backshell selection.
Series 38 - EMI/RFI Non-Environmental Backshells

A range of 360° shield/screen terminations are offered in straight and angled backshells, including designs to accommodate combinations of individual and overall shields or screens. Designs included in this section provide low dc resistance across the termination area. Please see the beginning of this chapter for detailed explanations of the seven different shield termination types as well as complete assembly instructions. A quick reference guide is also provided to aid in backshell selection.

Series 39 - EMI/RFI Cable Sealing Backshells

The backshells described in this section combine the EMI/RFI shield/screen terminations of Series 38 with the cable sealing or environmental resisting features of the backshells in Series 37. Straight and angled designs are available. Please see the beginning of the chapter for explanations of the available cable sealing styles, shielding designs and assembly instructions. A quick reference guide is also provided to aid in backshell selection.

Series 40 - TAG® Ring Backshells

Glenair’s TAG® Ring backshells offer a unique and reliable method of terminating individually shielded wires where the shields are to be grounded through the backshell and connector shell. Straight and angled designs are available. No special tools are required for assembly and full maintainability is provided.

Series 41 - TAG® Ring Shield Termination

Glenair’s TAG® Ring provides a reliable and convenient method of common termination of groups of individual shields/screens on wire bundles and harnesses. This device offers a repairable alternative to inner-outer crimp rings, daisy chains and other termination systems.
Series 42 - Sealtite/Liquidtite Backshells

This series of backshells provide a convenient method of terminating Sealtite/Liquidtite conduit (or equivalent) to a variety of circular connectors. A malleable ferrule which fits over the exposed end of the conduit is compressed into the outer jackets as the lock nut is tightened. This also provides a secure electrical ground for the metal core of the conduit to the backshell body. No special tools are required for assembly. For conduit information, see Glenair’s Convoluted Tubing, Braiding and Flexible Metal-Core Conduit Systems catalog.

Series 440 - Banding and Crimping Backshells

Banding and crimp ring backshells provide an economical approach to terminating overall cable and harness shields/screens. These backshells utilize standard bands, crimp rings, or Tinel-Lock® rings for full 360° shield/screen termination with the low dc resistance. For information on Glenair’s Band-It® Clamping System, please see our Backshell Assembly Tools, Banding Tools and Accessories catalog.

Series 443 - Cable-Sealing Band-in-a-Can Backshells

A banding backshell assembly, that utilizes a secondary adapter that covers the banding area, along with providing options for environmental sealing and strain relief.

Series 447 - Non-Environmental Band-in-a-Can Backshells

A banding backshell assembly, that utilizes a secondary adapter that covers the banding area. Available with a range of options for strain relief.
Series 460 - RFI G-Spring Backshells

Glenair’s G-Spring backshells provide an innovative method of terminating and grounding overall shields/screens and metal foil shielding on wiring harnesses and cables. The G-Spring design provides a peripheral spring member which compresses against the exposed shield to effect positive electrical grounding around the entire circumference of the shield.

Series 463 - RFI Environmental G-Spring Backshells

Glenair’s G-Spring backshells provide an innovative method of terminating and grounding overall shields/screens and metal foil shielding on wiring harnesses and cables. The G-Spring design provides a peripheral spring member which compresses against the exposed shield to effect positive electrical grounding around the circumference of the shield. Environmental versions of the G-Spring provide environmental sealing on a jacketed cable through the use of a low profile o-ring compression seal.

Series 45 - Qwik-Ty® Strain Reliefs

Glenair’s Qwik-Ty® strain reliefs offer a unique method of providing strain relief to open wire bundles used with circular connectors. The Qwik-Ty® provides a low profile, reduced weight and simple installation. Installation is quick and secure, using either plastic tie straps or lacing tape.

Series 61 - "E" Nuts

This section describes the various backshells without strain relief for use with circular connectors. (These are most commonly referred to as "E" Nuts.)
Product Selection Guide

Series 62 - Strain Reliefs

Glenair offers a comprehensive selection of strain reliefs for circular connectors. Straight and angular versions are offered for most connector series.

Series 63 - Bulkhead Fittings,

Series 63 includes a wide variety of bulkhead fittings that feature environmental sealing, shield terminating, strain relief and angular shaped options to facilitate the routing of cables or conduit through bulkheads or other enclosures.

Series 65 - Dummy Stowage Receptacles

A wide choice of dummy stowage receptacles is offered to fit most circular bayonet coupled and thread coupled connectors.

Series 66 and 78 - Protective Covers

A wide selection of EMI/RFI protective covers are offered for both bayonet and thread coupled circular connectors. Our metal covers offer a broad choice of attachments not provided on Military Standard versions. Our Series 78 "Mr. Bean" Protective Rubber Covers are designed to prevent finish damage caused by metal-to-metal contact between disengaged covers and equipment boxes.

Series 68 - Miscellaneous Accessories