

Connector Accessories



Primary Markets:

- ▶ Aircraft
- ▶ High Vibration
- ▶ Quick Disconnect
- ▶ HMI Lighting
- ▶ Railway/Transit
- ▶ Combat Vehicles
- ▶ Industrial Machinery



SPACECRAFT
COMPONENTS CORP.

SPACECRAFT AT A GLANCE

Your Connector Consultant
Since 1962



Founded in 1962, Spacecraft is a family-owned, leading manufacturer and distributor of cylindrical connectors for the railways/transit, military, aerospace and various harsh environment markets.

As a Manufacturer, Spacecraft's core focus is manufacturing reverse bayonet connectors geared towards railway and transit applications. Our extensive engineering and manufacturing experience with reverse bayonet connectors provides us with the opportunity to offer a broad range of derivative cylindrical products in a short period of time with an assurance of exceptional quality.

As a Distributor, Spacecraft has developed key partnerships with world-class manufacturers whose products encompass MIL-SPEC and harsh environment industrial connectors. We are an authorized MIL-STD-790 value-added assembler for our principal connector manufacturers, such as Souriau, Reiku, Corsair, Sunbank, Astro Tool Corp., Mencom and Ulti-Mate. We stock a wide and deep variety of QPL components which enables us to provide a vast assortment of completed QPL connectors within a three-day turnaround.

As an Organization, Spacecraft prides itself on providing consultative service by utilizing our greatest asset: Our people!

Spacecraft invites you to tour our best-in-class facility located in North Las Vegas, Nevada, USA.

Spacecraft's Core Values

- MIL-STD-790 Certified
- Over 9 Million Connectors in Inventory
- Technical Solutions Oriented
- A Consultative Sales Team
- Vertically Integrated
- Supporter of the Buy American Act



Exceeding Your Quality Expectations

Spacecraft Components Corp. warrants to the original purchaser that it will correct by replacement any defect in workmanship or in-operation of any component purchased from Spacecraft Components Corp. for the life of the equipment in which the component is originally and properly installed. This agreement and warranty supersedes all other warranties expressed or implied.



CIDS (Connector Identification System)

Your Online Source for MIL-SPEC Cylindrical Connectors

Mission Statement

To provide a work environment where our employees can meet their potential and thrive in an atmosphere of excellence by utilizing their strengths and attributes towards supporting our customers, thereby providing superior products and exceptional service which helps our customers gain a competitive advantage in their markets.

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CONNECTOR ACCESSORIES

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CONNECTOR ACCESSORIES

A connector accessory may be defined as a component used with a connector to enhance its operational characteristics but which does not interfere with its basic function of connecting and disconnecting electrical circuits. In many situations however, the useful life of a connector would be severely compromised without the proper accessory.

The extensive range of connector applications and usage environments accounts for the wide variety of accessory configurations, each one designed to meet a specific need. The accessories detailed in this catalog cover the following categories:

- Backshells
- Bulkhead Adapters
- Conduit Fittings
- Dummy Receptacles
- Dust Caps
- Gaskets for Flange Mount Receptacles
- Jam Nuts for Jam Nut Receptacles
- Mounting Plates for Flange Mount Receptacles
- Pipe Thread Adapters
- Rubber Bushings
- Sealing Plugs
- Shield Terminations
- Shorting Cans

BACKSHELLS

Backshells are by far the most complex and widely used accessories. The backshells in this catalog are divided into 9 sub-groups according to their function as follows:

- Environmental Backshells
- Environmental EMI/RFI Backshells
- Grommet Nuts
- Non-Environmental Backshells
- Non-Environmental EMI/RFI Backshells
- Potting Boots and Rings
- Shield Terminating Backshells
- Shrink Boot Adapters
- Strain Reliefs and Cable Clamps

NON-ENVIRONMENTAL BACKSHELLS

Non-Environmental Backshells are sometimes referred to as backshell extenders. They are used when there is a requirement for additional space between the rear of the connector and the strain relief to allow for cable service loops, jumping, filter networks, etc.



ENVIRONMENTAL BACKSHELLS

Backshells categorized as Environmental are those which protect the wiring side of the connector from dust, dirt, moisture and fluids. Almost all recent Military Specification cylindrical connectors are designed so that when the wires are inserted through the grommet, and assuming all holes in the grommet contain either a wire or a sealing plug, the connector will be environmentally sealed once the backshell or strain relief is secured. The environmental seal will remain functional as long as the wires entering the grommet are not bent more than 13 degrees from the axis of the connector. The exact number of degrees which the wires can be bent depends upon the type of wire and insulation materials used. If any bending or flexing of the wire bundle is anticipated, some type of strain relief or cable clamp and backshell must be utilized to maintain the integrity of the environmental seal.

EMI/RFI BACKSHELLS

Most cabling design for transmission of electrical power or high voltage signals is relatively unaffected by electrical interference. However, the introduction of foreign electronic energy into cables carrying low voltage data signals can have disastrous results. The lower the system signal voltage levels, the greater the susceptibility to interference.

Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) can originate from a number of sources. Notorious generators of interference include components such as coils, electromagnets, electric motors, transformers and a variety of radiating electrical equipment like fluorescent lighting, high power radar, broadcast stations, and other communication circuits.

When strong external noise fields exist, the conductors of a cable act as antennas and pick up the radiated signals. The reception of this interference results in inaccurate or interrupted data transmission.

Today, with cabling carrying more low voltage data signals than ever before, proper shielding is of prime importance if the integrity of the transmitted data is to be maintained. An effective shield should be capable of preventing the reception of undesired signals as well as confining extraneous signals generated within the cable itself.

The most common method of shielding against EMI/RFI is to enclose the cable in a tightly woven metal braid comprised of wire strands which is then terminated at one or both ends of the cable to ground potential. The termination and grounding of the shield is accomplished by using a suitable connector backshell.

Many military programs require Electromagnetic Pulse (EMP) protection. Designing against EMP is basically the same as designing against EMI/RFI. The best cable shields for EMP are solid materials such as rigid conduit or pipe. However, where light weight is a consideration, metal braided shields can be used effectively. The mechanical assembly of the shield must have clean metal-to-metal contact with the backshell.

Continuity is extremely important in EMP protection. There must be a 360° circumferential mechanical bond and electrical continuity between the shield and the connector backshell. Shielding voids or pigtail terminations do not provide acceptable EMP protection.

A variety of backshell configurations are available for termination of cable shielding. The designer can select from cone and ring, light bulb thread, compression spring, magnetic forming, crimp ring or stainless steel strap configurations.

CONE AND RING BACKSHELLS

The Cone and Ring method has been used for over 70 years, originating with coaxial (UG type) connectors. Several variations of this concept have evolved and are widely used as they provide excellent shielding as well as strain relief capabilities. All variations are based on the basic Cone and Ring design shown in Figure 1.



Figure 1. Typical Cone and Ring Backshell Assembly.

As shown in the figure, the cable braid is placed between the inner and outer ground rings at the rear of the backshell. As the strain relief or nut is tightened, the braid is clamped between the two rings. Other variations of this method include shield tie-off, inverted cone and 3-ring shield grounding.

For optimum performance, the Cone and Ring shield termination requires a great deal of care by the assembler. To assure 360° continuity, the braid must be “combed out” so that there are no high spots when the Cone and Ring come together. Care must also be taken to prevent cutting the soft copper wires of the braid on sharp edges or by overtightening the strain relief. The fact that this method is fully field repairable accounts for its popularity.

LIGHT BULB THREAD BACKSHELLS (NOT ILLUSTRATED)

As the name implies, the outside rear of the backshell has coarse round threads similar to an ordinary household light bulb. A nut with corresponding threads is slipped over the braided shield. The shield is then distributed evenly over the backshell threads and the nut is screwed in place, securing the shield to the backshell. This method is field repairable but requires care to be sure the braid does not tear as the nut is tightened or removed. These backshells have no strain relief provisions for the cable or conductors. If a jacketed cable is used, environmental sealing can be achieved with the use of a heat-shrinkable boot over the backshell and jacketed cable.

COMPRESSION SPRING BACKSHELLS

The Compression Spring (sometimes called a Ground Spring) Backshell is shown in Figure 2. A ring-shaped coil spring is placed over the braided shield and positioned in the rear of the backshell. A “backup” ferrule is sometimes used between the conductors of the

cable and the braided shield to eliminate the possibility of cutting into or through the shield if the cable clamp or compression nut is tightened excessively.

This method of shield grounding is simple, field repairable and requires no special assembly skills. Compression Spring Backshells are best used in applications with little or no vibration. It has been reported that under certain vibration conditions when a backup ferrule is not used, the spring will “bounce” and shielding integrity could be compromised. EMI/RFI Backshells are available in both Environmental and Non-Environmental configurations.



Figure 2. Compression Spring Backshell Assembly

SHIELD TERMINATION BACKSHELLS

Shield Termination Backshells are used to terminate the outer braid shield of a cable by means of a magnetically formed ring, a crimp ring or a stainless steel strap. Their configuration is distinct from EMI/RFI backshells in that they rely entirely on the ring or band for strain relief rather than on a mechanical clamping device. A typical backshell assembly is shown in Figure 3.



Figure 3. Magnetic Forming or Crimp Ring Backshell Assembly

MAGNETIC FORMING BACKSHELLS

Magnetic Forming is based on the principle that a pulsed magnetic field generated near a metal conductor can produce pressures up to 50,000 psi capable of reshaping the metal conductor (in this case, a metal ring) without physical contact. After the braid is placed over the backshell end and the metal ring (which has a zero temper) is in position, the assembly is placed in a magnetic forming machine which induces a very intense magnetic field by the discharge of high voltage capacitors. This field sets up an opposing field in the metal ring and the net Magnetic Force compresses the ring onto the backshell, securely clamping the braid. Magnetic Forming is currently the preferred EMP termination method as a 360° bond is assured.

Magnetically formed assemblies are not field repairable and the cost of the forming equipment is in the \$50,000 range. Magnetic Forming Backshells have no provision for strain relief of the cable or conductors; however, the ring is crimped so tightly that the shield material will break before it will pull free of the backshell.

There is a tendency for the finish of the aluminum ring to crack and expose base metal when the ring is formed to the backshell. Under certain conditions, these cracks promote corrosion which affects the conductivity path. In extreme instances, the rings have corroded so badly that they have fallen off. Environmental sealing can be obtained by using jacketed cable and a heat-shrinkable boot over the assembly.

CRIMP RING BACKSHELLS

Crimp Ring shield terminations are similar to Magnetic Forming except that the ring is crimped to the backshell with a hydraulic tool. Some users do not like this concept in that there can be areas of little or no contact when using a hex-crimp die. A new method which eliminates any voids has been developed. This method produces a circumferential crimp using a stainless steel ring. Use of the circumferential crimp and stainless steel ring eliminates any possibility of the ring corrosion problems associated with magnetic forming. Crimp Ring terminations have the same strain relief, environmental and field repair parameters as those of Magnetic Forming.

STAINLESS STEEL STRAP BACKSHELLS

As noted above, Magnetic Forming and Crimp Ring terminations are not easily field repairable. The Cone and Ring, Light Bulb Thread and Compression Spring methods are field repairable but require some level of skill and care in assembly and disassembly to avoid damage to the braided shield.



Figure 4. Stainless Steel Strap Backshell Assembly.

The Stainless Steel Strap was developed in an effort to circumvent these shortcomings. The Stainless Steel Strap resembles a metal cable tie and is tensioned by a tool. The strap is held in place by the tension applied to the strap locking mechanism by the hand tool. Easily field repairable, the procedure requires no special assembly skill. The backshells have no provision for strain relief, but environmental sealing is obtained by using jacketed cable and a heat-shrinkable boot over the assembly.

As can be seen, the designer has a wide variety of terminations and features to choose from. The characteristics and features of each termination type are summarized in the following table.

Termination Type	Strain Relief	Environmental	Field Repairable	Required Skill	Mil Spec	Vibration Resistance	Initial Tooling
Cone And Ring	Yes	Yes	Yes	Moderate	Yes	Good	None
Light Bulb Thread	No	Yes [▲]	Yes	Moderate	No	Good	None
Compression Spring	Yes	Yes	Yes	Low	No	Good	None
Magnetic Forming	No	Yes [▲]	No	Low	No	Excellent	\$40,000
Crimp Ring	No	Yes [▲]	No	Low	No	Excellent	\$3,000
Stainless Steel Strap	No	Yes [▲]	Yes	Low	No	Excellent	\$1,500

▲ Only if used with jacketed cable and heat-shrinkable boot.

ENVIRONMENTAL EMI/RFI BACKSHELLS

Environmental EMI/RFI Backshells resist both physical and electrical contamination. As shown in the table above, they are available with all termination types. Due to the severe operating environments connectors are subjected to today, they have become the most widely used backshell for Military applications.

GROMMET NUTS

Grommet Nuts can be described as metal rings with inside threads. They were originally designed for use with solder contact connectors to provide environmental sealing. Since solder contacts are non-removable and must be wired in place, the rear sealing grommet is supplied as a loose piece. The wires are threaded through their respective holes in the grommet, and the grommet is positioned over the wired contacts when soldering is completed. As the Grommet Nut is tightened, it holds the grommet in place and compresses it around the individual wires to effect an environmental seal.

All new Military specification connectors released since the early 1970s have crimp contacts. Grommets of crimp contact connectors are self-sealing and are a non-removable component. These features make the use of Grommet Nuts redundant for sealing purposes. Their only function on a crimp contact connector would be to protect the rear accessory threads and teeth of the connector or to protect the outside of the grommet if it extends beyond the rear connector shell.

Paragraph 3.14.14 of MIL-W-5088, Revision K, dated 24 December 1984 states "Circular electrical connectors shall be provided with strain relief accessories in accordance with MIL-C-85049". Since Grommet Nuts provide no cable support, it is our recommendation that they should not be used.

POTTING BOOTS AND RINGS

In the 1950s, encapsulation potting of electronic components and assemblies was introduced as a method of environmental sealing. Potting became a popular means of sealing connectors since it produced a more positive seal than the rubber grommets in use at the time. Weight reduction was also achieved because potting eliminated the need for grommets, ferrules, backshells and strain reliefs.

Potting Boots act as molds or forms to contain the liquid potting compound until it sets or “cures”. Potting Rings are used to attach the Potting Boot to the rear of a connector, however, some Potting Boots are designed to fit the connector without the use of a Potting Ring.

Two characteristics of potting led to its decline in popularity. One is that potted assemblies are not field repairable. The second, and more serious, surfaced in the early days of the Vietnam conflict. The Air Force began losing an inordinate number of F84 aircraft due to catastrophic electrical failures. The problem was traced to components which had been potted. Due to the climate and operating conditions, the potting compound began to revert. It became fluid again and, in the case of connectors, ran out the back of the potting boot, leaving the wire bundle unsealed and vulnerable to shorting. Although new compounds were formulated to eliminate the problem, the Military opted for the use of improved, redesigned connectors using synthetic rubber sealing grommets and removable crimp contacts. In commercial applications, potting is an acceptable method of termination.

SHRINK BOOTS AND ADAPTERS

Shrink Boots are used to environmentally seal a jacketed cable to a connector. The Shrink Boot Adapter is a specially designed backshell which attaches to the connector’s accessory threads and provides the necessary gripping area for the Shrink Boot.

The Shrink Boot and Adapter are slipped over the cable and after wiring is completed, the Adapter is attached to the connector. The Shrink Boot is positioned over the Adapter and the jacketed cable. As heat is applied to the Shrink Boot (usually with an electric hot air gun), it shrinks tightly around the Adapter and cable forming an environmental seal.

In addition to the basic configurations defined in MIL-DTL-85049, manufacturers offer a number of Shrink Boot termination variations including Crimp Ring, Cone and Ring, Integral Woven Braid, Stainless Steel Band and Light Bulb Thread.

STRAIN RELIEFS AND CABLE CLAMPS

Movement of a cable can produce stress which, as it is transmitted toward the connector, can result in wire breakage, wires coming loose from the contacts, contacts being pulled out of the insert or any number of disastrous consequences. The function of a strain relief device is to hold or grip the cable fast at some point anterior to the location where any damage can potentially occur. Any stress or strain on the cable is then transferred through the strain relief to the connector shell and the area of potential damage is thereby protected.

One point that has always presented some confusion is the interchangeable use of the terms Cable Clamp and Strain Relief. We feel that we have resolved this problem by virtue of the following definitions:

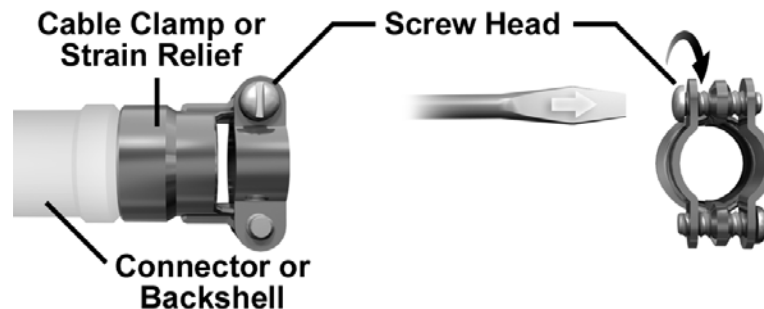
CABLE CLAMP - Any cable support or clamping device which requires the use of an intermediate component for attachment to the back (wiring side) of the connector.

STRAIN RELIEF - Any cable support or clamping device that attaches directly to the body of the connector.

PROPER ASSEMBLY OF STRAIN RELIEFS & CABLE CLAMPS

Cable Clamps and Strain Reliefs are usually shipped unassembled. The reason for this is that unless a cable of minimum diameter is used, the clamp must be disassembled prior to use. On all Cable Clamps and Strain Reliefs which utilize two straps (or saddle bars), care must be exercised to assure proper assembly. Although no M85049, MS or NAS drawing mandates screw orientation or that the clamp be assembled when shipped, there is a proper and preferred method of assembly. This method is defined in Air Force Document T01-1A-14.

Referring to the illustration below, note that the clamp screw heads are oriented so that any torquing force applied with a screw driver is in a direction that will tighten rather than loosen the attachment between the Strain Relief and the connector or backshell to which it is fastened.



BULKHEAD ADAPTERS (NOT ILLUSTRATED)

These accessories are used when it is necessary to route a cable through a bulkhead or panel. Bulkhead Adapters utilize flange or jam nut mount styles. They are available with environmental sealing, shield terminating, strain relief and angular options.

CONDUIT FITTINGS (NOT ILLUSTRATED)

The increasing use in the 1930s of radio communication equipment in vehicles and aircraft led to the development of Conduit Fittings as the first EMI/RFI protective devices. The piston engines used at that time were notorious generators of electrical interference.

The resemblance between these parts and those found in a plumber's kit is more than coincidental. Many of the configurations that found their way into the Military system were based on the commercially available plumbing components first used to shield cabling from electrical interference. Conduit Fittings were replaced as more sophisticated connectors and shielding methods evolved over the years, and now are used mainly for feed-thru applications.

DUMMY RECEPTACLES

Dummy Receptacles (sometimes called storage Receptacles) are devices used to protect a disconnected plug from physical damage as well as from moisture and particle contamination. Dummy Receptacles conform dimensionally to their connector counterparts except that they have no inserts or contacts, hence, the name Dummy Receptacle.

Many plug connectors have been damaged beyond repair because a disconnected cable was dropped or left lying on the floor. Attaching an unused cable to a panel mounted Dummy Receptacle keeps the plug out of harm's way and protects its mating surfaces and contacts. Dummy Receptacles also find use as plug holding fixtures on wire harness boards.

DUST CAPS

Available for both plug and receptacle connectors, Dust Caps protect the mating surfaces of the connector from physical damage and seal the connector against particle and moisture contamination.

All Dust Caps consist basically of a cylindrical body closed at one end. Dust Caps for receptacles have either a gasket or 'O' ring for sealing. An optional component is an attachment method which assures that when the Dust Cap is not in use, it remains in the immediate area of the connector. While the Military has provisions for only two attachment configurations (sash chain or wire rope), various manufacturers offer several additional types (beaded chain, nylon rope, etc.) and a variety of finishes.



GASKETS FOR FLANGE MOUNT RECEPTACLE

These Gaskets are configured to serve two purposes. Elastomeric Gaskets are used for environmental applications when it is necessary to seal the mating surfaces of the connector and mounting panel. Gaskets containing conductive material are used to ground the shell for EMI/ RFI protection. Although the range of available Military part numbers is limited, various manufacturers can supply Gaskets for any Military or commercial cylindrical connector series.



MOUNTING NUTS FOR JAM NUT RECEPTACLE

Mounting Nuts are used to secure a jam nut receptacle to a panel. A recent revision to MS3186 has obsoleted several MS drawings. This new revision allows the use of new material and finishes.

MOUNTING PLATES FOR FLANGE MOUNT RECEPTACLES

The usual way to mount a wall or box mount receptacle to a panel is to use four screws, flat washers, lock washers and nuts. This mounting hardware can be dropped or lost. Mounting Plates have captive self-locking nuts which eliminate this potential problem. The use of Mounting Plates also speeds up and simplifies the mounting of connectors on large panels where it is difficult or impossible for one person to do the installation using standard loose hardware. Mounting Plates are available in heavy, medium and light duty version.

PIPE THREAD ADAPTERS

As the name implies, these Adapters provide the means to interface with conduit having pipe threads per American Standard Tapered Pipe Thread, ASA B21. Not covered by MIL-C-85049, these adapters are supplied by several manufacturers and are shown in Section 19.

RUBBER BUSHING

Rubber Bushings are used in conjunction with Cable Clamps and serve two basic purposes. When the wire harness diameter is smaller than the minimum opening of the clamp, Rubber Bushings of incremental sizes are telescoped to build up the cable diameter. Bushings are also used to protect the wire bundle in the clamping area of the Strain Relief.

SHIELD TERMINATIONS

These devices are used to terminate shields of individual wires in the cable bundle. A variety of configurations are available for individual or mass termination.

SHORTING CANS

Shorting Cans provide a total enclosure for the rear of a connector. They are used for the fabrication of shorting plugs, special purpose test connectors or for the installation of discrete components.

CATALOG ORGANIZATION

Each section in Catalog 401 is devoted to a specific Connector Accessory function. The various configurations are listed in the Table of Contents on [page I](#).

IDENTIFICATION OF A PART NUMBER

Section 19D (Cross Reference/Index) at the end of this catalog serves as a quick reference for identification of known part numbers. Each part number in the Index is identified with a brief description of the part. The description of a MIL-SPEC accessory is preceded by its associated Military Specification and followed by its corresponding Spacecraft part number shown in parentheses. If more detailed information is needed, refer to the page number shown following each description.

To keep the number of Index entries to a manageable amount, we have “abbreviated” most part numbers to their basic form. Significant root characters of each part number are shown while variables such as Shell Size, Dash Number, Finish, etc. are represented by a star (*). Information on abbreviated characters can be found by referring to the part number breakdown shown on each accessory page.

ACCESSORY SELECTION

Connector Accessories are generally selected to perform a specific task or function. Since this catalog is organized by accessory function, quick selection is possible by referring to

the Table of Contents and then turning to the section where the required accessory can be found. Make sure that the accessory selected is configured to the connector series or specification it is to be used on. The applicable connector series and/or specification for each accessory is noted at the top of each page.

A more specific method of selection is used when the commercial series or MIL-SPEC of the connector is known. Refer to the Quick Reference Table of Contents on page [1D-1](#) and turn to the page showing accessories for the connector series in question. The first column of each table lists all accessories available for that series. The following column(s) show basic part numbers for each accessory and the section where detailed information is found.

SECTION 1D

CONNECTOR ACCESSORY

QUICK REFERENCE

SC30, SC50 & SCP Series (MIL-DTL-5015 Type)	1D-2
SC7, SCPC, SCPT & SCPT*S Series (MIL-DTL-26482 Type)	1D-4
SCI, SC2 & SC3 Series (MIL-DTL-38999 Type)	1D-6
SCPB Series (Reverse Bayonet)	1D-8
SCPDM & SCPDS Series	1D-9
SWL Series	1D-10
SWLD Series	1D-11

CONNECTOR ACCESSORY QUICK REFERENCE

SC30, SC50 & SCP SERIES (MIL-DTL-5015 TYPE)

ACCESSORY	SOLDER	CRIMP FRONT OR REAR RELEASE	FOUND IN
BACKSHELLS, ENVIRONMENTAL			
STRAIGHT - CABLE SEALING GLAND	B002*BA	B002*AF	SECTION 2D
	—	B049AF11	
STRAIGHT - FOR ANAMET CONDUIT	B031*BA	B031*AF	
STRAIGHT - PG ADAPTER	B033*BA	B033*AF	
STRAIGHT - PIPE THREAD (PT) ADAPTER	B035*BA	B035*AF	
STRAIGHT - FOR SEALTITE™ LIQUIDTITE CONDUIT	B037*BA	B037*AF	
45° - CABLE SEALING GLAND	B002CC-BA	B002CC-AF*	
	—	B049AF07	
90° - CABLE SEALING GLAND	B002D-BA	B002D-AF*	
	—	B049AF09	
BACKSHELLS, ENVIRONMENTAL EMI/RFI			
STRAIGHT-CONE TYPE	B004*BA	B004*AF	SECTION 3D
	—	B049AF10	
STRAIGHT - INVERTED CONE TYPE	B015*BA	B015*AF	
STRAIGHT - 2 RING TYPE	B023*BA	B023*AF	
STRAIGHT - LIGHTWEIGHT	B043*BA	B043*AF	
45° - CONE TYPE	B004CC-AB	B004CC-AF	
	—	B049AF06	
45° - INVERTED CONE TYPE	B015CC-AB	B015CC-AF	
45° - 2 RING TYPE	B023CC-AB	B023CC-AF	
45° - LIGHTWEIGHT	B043CC-BA	B043CC*AF	
90° - CONE TYPE	B004*AB	B004*AF	
	—	B049AF08	
90° - INVERTED CONE TYPE	B015*AB	B015*AF	
90°-2 RING TYPE	B023*AB	B023*AF	
90° - LIGHTWEIGHT	B043D-BA	B043D*AF	
BACKSHELLS, GROMMET NUTS			
	—	B049AF31	SECTION 4D
	—	B049AF31S	
BACKSHELLS, NON-ENVIRONMENTAL			
STRAIGHT	B001A-BA	B001A-AF	SECTION 5D
	B001B-BA	B001B-AF	
45°	B001CC-BA	B001CC-AF	
90°	B001D-BA	B001D-AF	
BACKSHELLS, NON-ENVIRONMENTAL EMI/RFI			
STRAIGHT-CONE TYPE	B003*BA	B003*AF	SECTION 6D
	—	B049AF25	
STRAIGHT - INVERTED CONE TYPE	B014*BA	B014*AF	
STRAIGHT - LIGHTWEIGHT	B042*BA	B042*AF	
45° - CONE TYPE	B003CC	B003CC	
	—	B049AF23	
45° - INVERTED CONE TYPE	B014CC-BA	B014CC*AF	
45° - LIGHTWEIGHT	B042CC-BA	B042CC*AF	
90° - CONE TYPE	B003D-BA	B003D*AF	
	—	B049AF24	
90° - INVERTED CONE TYPE	B014D-BA	B014D*AF	
90° - LIGHTWEIGHT	B043D-BA	B043D*AF	
BACKSHELLS, POTTING BOOTS & RINGS			
	NOTE 1	NOTE 1	SECTION 7D
BACKSHELLS, SHIELD TERMINATIONS			
STRAIGHT - CRIMP RING FOR SHRINK BOOT	B005*BA	B005*AF	SECTION 8D
STRAIGHT - CRIMP RING TYPE	B007*BA	B007*AF	
STRAIGHT - ADAPTER ONLY	—	B049AF26-1	
STRAIGHT - ADAPTER & CRIMP RING	—	B049AF26-3	
STRAIGHT - SHIELD BAND	—	B049AF82	

* Additional alpha-numerics are required to complete part number.
NOTE 1: Contact sales department for part numbers and availability.

Continued on Next Page

CONNECTOR ACCESSORY QUICK REFERENCE

(MIL-DTL-5015 TYPE) SC30, SC50 & SCP SERIES

Continued from Previous Page

ACCESSORY	SOLDER	CRIMP FRONT OR REAR RELEASE	FOUND IN
BACKSHELLS, SHIELD TERMINATIONS (CONT.)			
45° - CRIMP RING FOR SHRINK BOOT	B005CC*BA	B005CC*AF	SECTION 8D
45° - CRIMP RING TYPE	B007CC*BA	B007CC*AF	
45° - SHIELD BAND	—	B049AF83	
90° - CRIMP RING FOR SHRINK BOOT	B005D*BA	B005D*AF	
90° - CRIMP RING TYPE	B007D*BA	B007D*AF	
90° - SHIELD BAND	—	B049AF84	
SHIELD CRIMP RING ONLY	B049AF26-2	B049AF26-2	
BACKSHELLS, SHORTING CANS			
	B012*BA	B012*AF	SECTION 9D
	B013*BA	B013*AF	
BACKSHELLS, SHRINK BOOT ADAPTERS			
STRAIGHT BOOT ADAPTER	B006A*BA	B006A*AF	SECTION 10D
	B006B*BA	B006B*AF	
	—	B049AF60-1	
	—	B049AF60-2	
BACKSHELLS, STRAIN RELIEF/CABLE CLAMPS			
STRAIGHT - CABLE CLAMP	MS3057-*A	—	SECTION 11D
	MS3057-*B	—	
	MS3057-*C	—	
STRAIGHT - STRAIN RELIEF	—	B049AF52	
	—	B049AF52S	
	—	B049AF53	
	—	B049AF66	
45° - STRAIN RELIEF	—	B049AF43	
	—	B049AF54	
90° - STRAIN RELIEF	—	B049AF51	
	—	B049AF51S	
	—	B049AF55	
	—	B049AF55G	
	—	B049AF55S	
DUMMY RECEPTACLES			
	DRP01	DRP01	SECTION 12D
	DRP13	DRP13	
	SC3105	SC3105	
	SC1196	SC1196	
DUST CAPS			
METAL, FOR PLUG	DCP01	DCP01	SECTION 12D
	SCP25042-*	SCP25042-*	
METAL, FOR RECEPTACLE	DCR01	DCR01	
	SCP25043-*	SCP25043-*	
GASKET FOR FLANGE MOUNT RECEPTACLES			
EMI/RFI	930-Series	930-Series	SECTION 13D
ENVIRONMENTAL	SCP101949-*	SCP150949-*	
JAM NUTS			
	SC3186-*	SC3186-*	SECTION 14D
MOUNTING PLATES			
	B049AF94	B049AF94	SECTION 15D
	B049AF95	B049AF95	
	B049AF96	B049AF96	
RUBBER BUSHINGS			
	MS3420-*	MS3420-*	SECTION 16D
	MS3420-*A	MS3420-*A	
SEALING PLUGS			
	MS25251	—	SECTION 17D
	MS27488	MS27488	

* Additional alpha-numerics are required to complete part number.
NOTE 1: Contact sales department for part numbers and availability.

CONNECTOR ACCESSORY QUICK REFERENCE

SC70, SCPC, SCPT & SCPT*S SERIES (MIL-DTL-26482 TYPE)

ACCESSORY	SCPC	SCPT	SC7 REAR RELEASE	FOUND IN
BACKSHELLS, ENVIRONMENTAL				
STRAIGHT - CABLE SEALING GLAND	B002*BA	B002*BA	B002*AF	SECTION 2D
	—	—	B049AF11	
STRAIGHT - FOR ANAMET CONDUIT	B031*BA	B031*BA	B031*AF	
STRAIGHT - FOR PG ADAPTER	B033*BA	B033*BA	B033*AF	
STRAIGHT - PIPE THREAD (PT) ADAPTERS	B035*BA	B035*BA	B035*AF	
STRAIGHT - FOR SEALTITE™ LIQUIDTITE CONDUIT	B037*BA	B037*BA	B037*AF	
45° - CABLE SEALING GLAND	B002CC-BA	B002CC-BA	B002CC-AF	
	—	—	B049AF07	
90° - CABLE SEALING GLAND	B002D-BA	B002D-BA	B002D-AF	
	—	—	B049AF09	
BACKSHELLS, ENVIRONMENTAL EMI/RFI				
STRAIGHT-CONE TYPE	B004*BA	B004*BA	B004*AF	SECTION 3D
	—	—	B049AF10	
STRAIGHT - INVERTED CONE TYPE	B015*BA	B015*BA	B015*AF	
STRAIGHT-2 RING TYPE	B023*BA	B023*BA	B023*AF	
STRAIGHT - LIGHTWEIGHT	B043*BA	B043*BA	B043*AF	
45° - CONE TYPE	B004CC-BA	B004CC-BA	B004CC-AF	
	—	—	B049AF06	
45° - INVERTED CONE TYPE	B015CC-BA	B015CC-BA	B015CC-AF	
45°-2 RING TYPE	B023CC-BA	B023CC-BA	B023CC-AF	
45° - LIGHTWEIGHT	B043CC-BA	B043CC-BA	B043CC*AF	
90° - CONE TYPE	B004D-BA	B004D-BA	B004D-AF	
	—	—	B049AF08	
90° - INVERTED CONE TYPE	B015D-BA	B015D-BA	B015D-AF	
90° - 2 RING TYPE	B023D-BA	B023D-BA	B023D-AF	
90° - LIGHTWEIGHT	B043D-BA	B043D-BA	B043D*AF	
BACKSHELLS, GROMMET NUTS				
	—	—	B049AF31	SECTION 4D
	—	—	B049AF31S	
BACKSHELLS, NON-ENVIRONMENTAL				
STRAIGHT	B001A-BA	B001A-BA	B001A-AF	SECTION 5D
	B001B-BA	B001 B-BA	B001B-AF	
45°	B001CC-BA	B001CC-BA	B001CC-AF	
90°	B001D-BA	B001 D-BA	B001D-AF	
BACKSHELLS, NON-ENVIRONMENTAL EMI/RFI				
STRAIGHT-CONE TYPE	B003*BA	B003*BA	B003*AF	SECTION 6D
	—	—	B049AF25	
STRAIGHT - INVERTED CONE TYPE	B014*BA	B014*BA	B014*AF	
STRAIGHT - LIGHTWEIGHT	B042*BA	B042*BA	B042*AF	
45° - CONE TYPE	B003CC-BA	B003CC-BA	B003CC*AF	
	—	—	B049AF23	
45° - INVERTED CONE TYPE	B014CC-BA	B014CC-BA	B014CC*AF	
45° - LIGHTWEIGHT	B042CC-BA	B042CC-BA	B042CC*AF	
90° - CONE TYPE	B003D-BA	B003D-BA	B003D*AF	
	—	—	B049AF24	
90° - INVERTED CONE TYPE	B014D-BA	B014D-BA	B014D*AF	
90° - LIGHTWEIGHT	B042D-BA	B042D-BA	B042D*AF	
BACKSHELLS, POTTING BOOTS & RINGS				
	SC3185-*	SC3185-*	NOTE 1	SECTION 7D
BACKSHELLS, SHIELD TERMINATIONS				
STRAIGHT - CRIMP RING FOR SHRINK BOOT	B005*BA	B005*BA	B005*AF	SECTION 8D
STRAIGHT - CRIMP RING TYPE	B007*BA	B007*BA	B007*AF	
STRAIGHT - ADAPTER ONLY	—	—	B049AF26-1	
STRAIGHT - ADAPTER & CRIMP RING	—	—	B049AF26-3	
STRAIGHT - SHIELD BAND	—	—	B049AF82	

* Additional alpha-numerics are required to complete part number.
NOTE 1: Contact sales department for part numbers and availability.

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CONNECTOR ACCESSORY QUICK REFERENCE

(MIL-DTL-26482 TYPE) SC70, SCPC, SCPT & SCPT*S SERIES

Continued from Previous Page

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ACCESSORY	SCPC	SCPT	SC7 REAR RELEASE	FOUND IN
BACKSHELLS, SHIELD TERMINATIONS (CONT.)				
45° - CRIMP RING FOR SHRINK BOOT	B005CC*BA	B005CC*BA	B005CC*AF	SECTION 8D
45° - CRIMP RING TYPE	B007CC*BA	B007CC*BA	B007CC*AF	
45° - SHIELD BAND	-	-	B049AF83	
90° - CRIMP RING FOR SHRINK BOOT	B005D*BA	B005D*BA	B005D*AF	
90°-CRIMP RING TYPE	B007D*BA	B007D*BA	B007D*AF	
90° - SHIELD BAND	-	-	B049AF84	
SHIELD CRIMP RING ONLY	B049AF26-2	B049AF26-2	B049AF26-2	
BACKSHELLS, SHORTING CANS				
	B012*BA	B012*BA	B012*AF	SECTION 9D
	B013*BA	B013*BA	B013*AF	
BACKSHELLS, SHRINK BOOT ADAPTERS				
STRAIGHT BOOT ADAPTER	B006A*BA	B006A*BA	B006A*AF	SECTION 10D
	B006B*BA	B006B*BA	B006B*AF	
	-	-	B049AF60-1	
	-	-	B049AF60-2	
BACKSHELLS, STRAIN RELIEF/CABLE CLAMPS				
STRAIGHT CABLE CLAMP	MS3057-*A	MS3057-*A	-	SECTION 11D
	MS3057-*B	MS3057-*B	-	
	MS3057-*C	MS3057-*C	-	
STRAIGHT - STRAIN RELIEF	-	-	B049AF52	
	-	-	B049AF52S	
	-	-	B049AF53	
	-	-	B049AF66	
45° STRAIN RELIEF	-	-	B049AF43	
	-	-	B049AF54	
90° STRAIN RELIEF	-	-	B049AF51	
	-	-	B049AF51S	
	-	-	B049AF55	
	-	-	B049AF55G	
	-	-	B049AF55S	
DUMMY RECEPTACLES				
	DRP18	DRP04	DRP04	SECTION 12D
	-	SCP3115-*	SCP3115-*	
DUST CAPS				
METAL, FOR PLUG	DCP18	DCP04	DCP04	SECTION 12D
	SCP101955-*	SCP3180-*	SCP3180-*	
METAL, FOR RECEPTACLE	DCR18	DCR04	DCR04	
	SCP101950-*	SCP3181-*	SCP3181-*	
	SCP101951-*	-	-	
	SCP101956-*	-	-	
GASKET FOR FLANGE MOUNT RECEPTACLES				
EMI/RFI	930-Series	930-Series	930-Series	SECTION 13D
ENVIRONMENTAL	SCP101949-*	SCP150949-*	SCP150949-*	
JAM NUTS				
	SC3186-*	SC3186-*	SC3186-*	SECTION 14D
MOUNTING PLATES				
	B049AF94	B049AF94	B049AF94	SECTION 15D
	B049AF95	B049AF95	B049AF95	
	B049AF96	B049AF96	B049AF96	
RUBBER BUSHINGS				
	MS3420-*	MS3420-*	MS3420-*	SECTION 16D
	MS3420-*A	MS3420-*A	MS3420-*A	
SEALING PLUGS				
	MS3187-*	MS3187-*	-	SECTION 17D
	MS25251-*	MS25251-*	-	

* Additional alpha-numerics are required to complete part number.
NOTE 1: Contact sales department for part numbers and availability.

CONNECTOR ACCESSORY QUICK REFERENCE

SC1, SC2 & SC3 SERIES (MIL-DTL-38999 TYPE)

ACCESSORY	SERIES I	SERIES II	SERIES III	FOUND IN
BACKSHELLS, ENVIRONMENTAL				
STRAIGHT CABLE SEALING GLAND	B002*BF	B002*BF	B002*BG	SECTION 2D
STRAIGHT - ANAMET CONDUIT	B031*BF	B031*BF	B031*BG	
STRAIGHT - FOR PG ADAPTERS	B033*BF	B033*BF	B033*BG	
STRAIGHT - FOR PIPE THREAD (PT) ADAPTERS	B035*BF	B035*BF	B035*BG	
STRAIGHT - FOR SEALTITE™ LIQUIDTITE CONDUIT	B037*BF	B037*BF	B037*BG	
45° CABLE SEALING GLAND	B047*BF	B047*BF	B047*BG	
90° CABLE SEALING GLAND	B047*BF	B047*BF	B047*BG	
BACKSHELLS, ENVIRONMENTAL EMI/RFI				
STRAIGHT-CONE TYPE	B004*BF	B004*BF	B004*BG	SECTION 3D
	B049BF17	B049BF17	B049BG18	
STRAIGHT - INVERTED CONE TYPE	B015*BF	B015*BF	B015*BG	
STRAIGHT - 2 RING TYPE	B023*BF	B023*BF	B023*BG	
STRAIGHT - LIGHTWEIGHT	B043*BF	B043*BF	B043*BG	
45° - CONE TYPE	B004*BF	B004*BF	B004*BF	
	B049BF77	B049BF77	B049BG78	
45° - INVERTED CONE TYPE	B015*BF	B015*BF	B015*BG	
45° - 2 RING TYPE	B023*BF	B023*BF	B023*BG	
45° - LIGHTWEIGHT	B043*BF	B043*BF	B043*BG	
90° - CONE TYPE	B004*BF	B004*BF	B004*BF	
	B049BF76	B049BF76	B049BG79	
90° - INVERTED CONE TYPE	B015*BF	B015*BF	B015*BG	
90° - 2 RING TYPE	B023*BF	B023*BF	B023*BG	
90° - LIGHTWEIGHT	B043*BF	B043*BF	B043*BG	
BACKSHELLS, GROMMET NUTS				
	B049BF27	B049BF27	B049BG14S	SECTION 4D
	B049BF27S	B049BF27S	-	
BACKSHELLS, NON-ENVIRONMENTAL				
STRAIGHT	B001*BF	B001*BF	B001*BG	SECTION 5D
	B049BF29	B049BF29	B049BG21	
45°	B001*BF	B001*BF	B001*BF	
90°	B001*BF	B001*BF	B001*BF	
BACKSHELLS, NON-ENVIRONMENTAL EMI/RFI				
STRAIGHT-CONE TYPE	B003*BF	B003*BF	B003*BG	SECTION 6D
	B049BF36	B049BF36	B049BG19	
STRAIGHT - INVERTED CONE TYPE	B014*BF	B014*BF	B014*BG	
STRAIGHT-2 RING TYPE	B023*BF	B023*BF	B023*BG	
STRAIGHT - LIGHTWEIGHT	B042*BF	B042*BF	B042*BG	
45° - CONE TYPE	B003*BF	B003*BF	B003*BF	
45° - INVERTED CONE TYPE	B014*BF	B014*BF	B014*BG	
45°-2 RING TYPE	B023*BF	B023*BF	B023*BG	
45° - LIGHTWEIGHT	B042*BF	B042*BF	B042*BG	
90° - CONE TYPE	B003*BF	B003*BF	B003*BF	
	B049BF37	B049BF37	-	
90° - INVERTED CONE TYPE	B014*BF	B014*BF	B014*BG	
90° - 2 RING TYPE	B023*BF	B023*BF	B023*BG	
90° - LIGHTWEIGHT	B042*BF	B042*BF	B042*BG	
BACKSHELLS, POTTING BOOTS & RINGS				
POTTING BOOT	B049BF74	B049BF74	NOTE 1	SECTION 7D
	B049BF75	B049BF75	NOTE 1	
POTTING BOOT RING	B049BF58	B049BF58	NOTE 1	
	B049BF61	B049BF61	NOTE 1	
BACKSHELLS, SHIELD TERMINATIONS				
STRAIGHT - CRIMP RING FOR SHRINK BOOT	B005*BF	B005*BF	B005*BG	SECTION 8D
STRAIGHT-CRIMP RING	B007*BF	B007*BF	B007*BG	
	B049BF30	B049BF30	B049BG20	
	B049BF33-1	B049BF33-1	B049BG88	
	B049BF85	B049BF85	-	
45° - CRIMP RING FOR SHRINK BOOT	B005*BF	B005*BF	B005*BG	
45° -CRIMP RING	B007*BF	B007*BF	B007*BG	
	B049BF86	B049BF86	-	

* Additional alpha-numerics are required to complete part number.
NOTE 1: Contact sales department for part numbers and availability.

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CONNECTOR ACCESSORY QUICK REFERENCE

(MIL-DTL-38999 TYPE) SC1, SC2 & SC3 SERIES

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ACCESSORY	SERIES I	SERIES II	SERIES III	FOUND IN
BACKSHELLS, SHIELD TERMINATIONS (CONT.)				
90° - CRIMP RING FOR SHRINK BOOT	B005*BF	B005*BF	B005*BG	SECTION 8D
90° - CRIMP RING	B007*BF	B007*BF	B007*BG	
	B049BF32-1	B049BF32-1	—	
	B049BF87	B049BF87	—	
SHIELD CRIMP RING	B049AF26-2	B049AF26-2	B049AF26-2	
BACKSHELL, SHORTING CANS				
	B012*BF	B012*BF	B012*BG	SECTION 9D
	B013*BF	B013*BF	B013*BG	
BACKSHELLS, SHRINK BOOT ADAPTERS				
STRAIGHT BOOT ADAPTER	B006A*BF	B006A*BF	B006A*BG	SECTION 10D
	B006B*BF	B006B*BF	B006B*BG	
	B049BF62	B049BF62	B049BG69	
BACKSHELLS, STRAIN RELIEFS/CABLE CLAMPS				
STRAIGHT STRAIN RELIEF	B049BF45	B049BF45	B049BG38	SECTION 11D
	B049BF49-1	B049BF49-1	—	
	B049BF49-2	B049BF49-2	—	
	B049BF-2S	B049BF49-2S	—	
	B049BF56	B049BF56	—	
	B049BF64	B049BF64	—	
45° STRAIN RELIEF	B038C*BF	B038C*BF	B038C*BG	
	B039CBF	B039CBF	B039CBG	
	B049BF57	B049BF57	B049BG15G	
	B049BF57G	B049BF57G	B049BG15S	
	B049BF57S	B049BF57S	—	
90° STRAIN RELIEF	B038D*BF	B038D*BF	B038D*BG	
	B039D*BF	B039D*BF	B039D*BG	
	B049BF46	B049BF46	B049BG16G	
	B049BF47	B049BF47	B049BG16S	
	B049BF47S	B049BF47S	B049BG39	
	B049BF63	B049BF63	B049BG39S	
	B049BF63G	B049BF63G	—	
	B049BF63S	B049BF63S	—	
	B049BF65	B049BF65	—	
DUMMY RECEPTACLES				
FOR PLUG	DRP07	DRP08	DRP09	SECTION 12D
	SC9999-*	SC99910-*	SC99922-*	
DUST CAPS				
METAL, FOR PLUG	DCP07	DCP08	DCP09*	SECTION 12D
	SC27501-*	SC27510-*	SC99932-*	
METAL, FOR RECEPTACLE	DCR07	DCR08	DCR09	
	SC27502-*	SC27511-*	SC99933-*	
GASKET FOR FLANGE MOUNT RECEPTACLE				
	930-Series	930-Series	930-Series	SECTION 13D
JAM NUTS				
	SC3186-*	SC3186-*	SC99928-*	SECTION 14D
MOUNTING PLATES				
	B049AF94	B049AF94	B049AF94	SECTION 15D
	B049AF95	B049AF95	B049AF95	
	B049AF96	B049AF96	B049AF96	
RUBBER BUSHINGS				
	MS3420	MS3420	MS3420	SECTION 16D
	MS3420-*A	MS3420-*A	MS3420-*A	
	229468-*	229468-*	229468-*	
	229469-*	229469-*	229469-*	
SEALING PLUGS				
	M85049/80	M85049/80	M85049/80	SECTION 18D
	MS27488-*	MS27488-*	MS27488-*	

* Additional alpha-numerics are required to complete part number.
NOTE 1: Contact sales department for part numbers and availability.

CONNECTOR ACCESSORY QUICK REFERENCE

SCPB SERIES (REVERSE BAYONET)

ACCESSORY	SOLDER or F80 CRIMP	FOUND IN
BACKSHELLS, ENVIRONMENTAL		
STRAIGHT - CABLE SEALING GLAND	B002*AB	SECTION 2D
STRAIGHT - FOR ANAMET CONDUIT	B031 A*AB	
STRAIGHT - FOR PG ADAPTER	B033A*AB	
STRAIGHT - FOR PIPE THREAD (PT) ADAPTERS	B035A*AB	
STRAIGHT - FOR SEALTITE™ LIQUIDTITE CONDUIT	B037A*AB	
45° - CABLE SEALING GLAND	B002CC-AB	
90° - CABLE SEALING GLAND	B002D-AB	
BACKSHELLS, ENVIRONMENTAL EMI/RFI		
STRAIGHT-CONE TYPE	B004*AB	SECTION 3D
STRAIGHT - INVERTED CONE	B015*AB	
STRAIGHT - 2 RING	B023*AB	
STRAIGHT - LIGHTWEIGHT	B043*AB	
45° - CONE TYPE	B004CC-AB	
45° - INVERTED CONE TYPE	B005CC-AB	
45° - 2 RING TYPE	B023CC-AB	
45° - LIGHTWEIGHT	B043CC-AB	
90° - CONE TYPE	B004D-AB	
90° - INVERTED CONE TYPE	B015D-AB	
90° - 2 RING TYPE	B023D-AB	
90° - LIGHTWEIGHT	B043D-AB	
BACKSHELLS, NON-ENVIRONMENTAL		
STRAIGHT	B001A-AB	SECTION 4D
	B001B-AB	
45°	B001CC-AB	
90°	B001D-AB	
BACKSHELLS, NON-ENVIRONMENTAL EMI/RFI		
STRAIGHT-CONE TYPE	B003*AB	SECTION 6D
STRAIGHT - INVERTED CONE TYPE	B014*AB	
STRAIGHT - LIGHTWEIGHT	B043*AB	
45° - CONE TYPE	B003CC-AB	
45° - INVERTED CONE TYPE	B014CC-AB	
45° - LIGHTWEIGHT	B042CC-AB	
90° - CONE TYPE	B003D-AB	
90° - INVERTED CONE TYPE	B014D-AB	
90° - LIGHTWEIGHT	B043D-AB	
BACKSHELLS, POTTING BOOTS & RINGS		
	NOTE 1	SECTION 7D
BACKSHELLS, SHIELD TERMINATIONS		
STRAIGHT - CRIMP RING - FOR SHRINK BOOT	B005*AB	SECTION 8D
STRAIGHT - CRIMP RING TYPE	B007*AB	
45° - CRIMP RING - FOR SHRINK BOOT	B005CC*AB	
45° - CRIMP RING TYPE	B007CC*AB	
90° - CRIMP RING - FOR SHRINK BOOT	B005D*AB	
90°-CRIMP RING TYPE	B007D*AB	
SHIELD CRIMP RING	B049AF26-2	

ACCESSORY	SOLDER or F80 CRIMP	FOUND IN
BACKSHELLS, SHORTING CANS		
	B012*AB	SECTION 9D
	B013*AB	
BACKSHELLS, SHRINK BOOT ADAPTERS		
STRAIGHT BOOT ADAPTER	B006A*AB	SECTION 10D
	B006B*AB	
BACKSHELLS, STRAIN RELIEF/CABLE CLAMPS		
STRAIGHT - CABLE CLAMP	MS3057-*A	SECTION 11D
	MS3057-*B	
	MS3057-*C	
DUMMY RECEPTACLES		
	DRP19	SECTION 12D
	SCPB05-*	
DUST CAPS		
METAL, FOR PLUG	DCP19	SECTION 12D
	SCPB*TV	
METAL, FOR RECEPTACLE	DCR19	
	SCPB*TF	
GASKET FOR FLANGE MOUNT RECEPTACLES		
ENVIRONMENTAL - EMI/RFI	930-Series	SECTION 13D
ENVIRONMENTAL	MS51007-*	
	MS52000-*	
JAM NUTS		
	SC3186-*	SECTION 14D
MOUNTING PLATES		
	B049AF94	SECTION 15D
	B049AF95	
	B049AF96	
RUBBER BUSHINGS		
	MS3420-*	SECTION 16D
	MS3420-*A	
SEALING PLUGS		
	MS25251	SECTION 17D
	M527488	

* Additional alpha-numerics are required to complete part number.
NOTE 1: Contact Sales Department for part numbers and availability.

CONNECTOR ACCESSORY QUICK REFERENCE

SCPDM & SCPDS SERIES

1D

ACCESSORY TYPE	SCPDM9606 SCPDM9610 SCPDM9617 SCPDM9619 SCPDS00 Wall Mount Receptacle	SCPDM9607 SCPDM9609 SCPDM9624 In- Line Receptacle	SCPDM9612 Box Mount Receptacle	SCPDM9601 SCPDM9608 SCPDM9620 SCPDS04 Jam Nut Receptacle	SCPDM9700 thru SCPDM9728 SCPDS07 SCP14946 SCP17942 Plug	FOUND IN
BACKSHELLS						
Environmental EMI/RFI Straight	Note 1	Note 1	N/A	Note 1	Note 1	SECTION 3D
90°	Note 1	Note 1	N/A	Note 1	Note 1	
Non-Environmental Straight	Note 1	Note 1	N/A	Note 1	Note 1	SECTION 5D
CABLE CLAMPS/ STRAIN RELIEFS						
Straight or 90° Cable Clamp	MS3057*A	MS3057*A	N/A	MS3057*A	MS3057*A	SECTION 11D
	Note 1	Note 1	N/A	Note 1	Note 1	
DUMMY RECEPTACLES						
	N/A	N/A	N/A	N/A	DRP17 SCP14089 SCP14090	SECTION 12D
DUST CAPS						
	DCR17 SCP- DM9605-*	DCR17 SCP- DM9605-*	DCR17 SCP- DM9605-*	DCR17 SCP- DM9605-*	DCP17 SCP- DM9701 -*	SECTION 12D
SEALING PLUGS						
	MS27488-*	MS27488-*	N/A	MS27488-*	MS27488-*	SECTION 17D
SHRINK BOOT ADAPTERS						
	Note 1	Note 1	N/A	Note 1	Note 1	SECTION 10D

* Additional alpha-numeric are required to complete part number.
NOTE 1: Contact Sales Department for part numbers and availability.
N/A = Not Applicable

CONNECTOR ACCESSORY QUICK REFERENCE

SWL SERIES

ACCESSORY	PART NUMBER	FOUND IN
BACKSHELLS, ENVIRONMENTAL		
STRAIGHT - CABLE SEALING GLAND	SCP101333-*	Contact Sales
	SCP101335-*	
STRAIGHT - CABLE SEALING GLAND - WITH KELLUMS GRIP	SCP101332-*	
	SCP101334-*	
	SCP113637-*	
STRAIGHT - CABLE SEALING ADAPTER	SCP113138-*	
	SCP113196-*	SECTION 2D
	B002A-AM	
	B002B-AM	
STRAIGHT - FOR ANAMET CONDUIT	B031*AM	
STRAIGHT - FOR PG ADAPTERS	B033*AM	
STRAIGHT - FOR PIPE THREAD (PT) ADAPTERS	B035*AM	
STRAIGHT - FOR SEALTITE™ LIQUIDTITE CONDUIT	B037*AM	
45° - CABLE SEALING GLAND	B002CC-AM	SECTION 9D
90° - CABLE SEALING GLAND	B002D-AM	
BACKSHELLS, SHORTING CANS		
	B012*AM	SECTION 9D
	B013*AM	
BACKSHELLS, SHRINK BOOT ADAPTERS		
STRAIGHT BOOT ADAPTER	B006A-AM	SECTION 10D
	B006B-AM	
BACKSHELLS, STRAIN RELIEFS/CABLE CLAMPS		
CABLE CLAMP	MS3057-*B	SECTION 11D
	MS3057-*C	
INDIVIDUAL WIRE SEALING	SCP749**.*	
DUMMY RECEPTACLES		
	SCP1075**	SECTION 12D
DUST CAPS		
METAL, FOR PLUG	SCP101046-*	SECTION 12D
	SCP101531-*	
METAL, FOR RECEPTACLE	SCP101048-*	
	SCP101063-*	
GASKET FOR FLANGE MOUNT RECEPTACLES		
	SCP36675-*	SECTION 13D
	SCP40450-*	
MOUNTING PLATES		
	NOTE 1	SECTION 15D
RUBBER BUSHINGS		
	MS3420-*A	SECTION 16D

* Additional alpha-numerics are required to complete part number.
NOTE 1: Contact Sales Department for part numbers and availability.



CONNECTOR ACCESSORY QUICK REFERENCE

SWLD SERIES

1D

ACCESSORY	PART NUMBER	FOUND IN
BACKSHELLS, ENVIRONMENTAL		
STRAIGHT - CABLE SEALING ADAPTER	B002A-AK	SECTION 2D
	B002B-AK	
STRAIGHT - CABLE SEALING GLAND	B049AK03	Contact Sales
	B049AK04	
	B049AK05	
STRAIGHT - FOR ANAMET CONDUIT	B03TAK	SECTION 2D
STRAIGHT - FOR PG ADAPTER	B033*AK	
STRAIGHT - FOR PIPE THREAD (PT) ADAPTERS	B035*AK	
STRAIGHT - FOR SEALTITE™ LIQUIDTITE CONDUIT	B037*AK	
45° CABLE SEALING GLAND	B002CC-AK	
90° CABLE SEALING GLAND	B002D-AK	
BACKSHELLS, SHORTING CANS		
	B012*AK	SECTION 9D
	B013*AK	
BACKSHELLS, SHRINK BOOT ADAPTERS		
STRAIGHT BOOT ADAPTER	B006A-AK	SECTION 10D
	B006B-AK	
	B049AK59	
BACKSHELLS, STRAIN RELIEFS/CABLE CLAMPS		
CABLE CLAMP	MS3057-*B	SECTION 11D
	MS3057-*C	
INDIVIDUAL WIRE SEALING	SCP74191-*	
DUMMY RECEPTACLES		
	DRP02	SECTION 12D
	SCP18062-*	
DUST CAPS		
METAL, FOR PLUG	DCP02	SECTION 12D
	SCP17350-*	
METAL, FOR RECEPTACLE	DCR02	
	SCP17349-*	
GASKET FOR FLANGE MOUNT RECEPTACLES		
	SCP36675-*	SECTION 13D
	SCP40450-*	
MOUNTING PLATES		
	NOTE 1	SECTION 15D
RUBBER BUSHINGS		
	MS3420-*A	SECTION 16D

* Additional alpha-numerics are required to complete part number.
NOTE 1: Contact Sales Department for part numbers and availability.

SUGGESTED BACKSHELL TORQUE VALUES

Spacecraft Components Corp. takes no responsibility for the suggested torque values stated on this page. They were obtained from members of SAE Technical Standards Committee (AE-8C1, Connectors and Accessories), and will be published in a future technical standard, ARP6151A.

Torque values used to assemble connectors, backshells, and other wiring system components are the responsibility of the user/installer to determine the best torque range for the application. It is also the responsibility of the user/installer to select the appropriate tool for the work and the user conditions/environment.

CIRCULAR ELECTRICAL CONNECTOR ACCESSORIES SUGGESTED TORQUE VALUES (±5 IN-LBS)		
SHELL SIZES	GROUP 1 Light & Medium Duty	GROUP 2 Heavy Duty
	AS50151 (MS3100 Series) MIL-DTL-26482 Series I MIL-DTL-26500 MIL-DTL-27599 MIL-DTL-38999 Series I, II MIL-C-81511 Series I, II, III, IV MIL-DTL-81703 Series I	AS50151 (MS3400 Series) MIL-DTL-22992 MIL-DTL-26482 Series II MIL-DTL-28840 MIL-DTL-38999 Series III, IV MIL-DTL-81703 Series III MIL-DTL-83723 Series I, II, III
8, 9, A	40*	56
3, 10, 10SL, 11, B	40*	76
7, 12, 12S, 13, C	40	108
14, 14S, 15, D	40	116
16, 16S, 17, E	40	116
18, 19, 27, F	40	116
20, 21, 37, G	80	136
22, 23, H	80	136
24, 25, 61, J	80	136
28, 29	120	148
32, 33	120	148
36	120	148
40	170	164
44	170	164
48	170	164

Indicates 35 Inch-Pounds for composite coupling nut.

NOTES: 1. Group 1 values based on 80% of MIL-DTL-85049 light duty thread strength.

2. Use Group 1 values for composite connector accessories.

CABLE CLAMP SCREW SUGGESTED TORQUE VALUES	
SCREW SIZE	TORQUE (+/- .5 IN-LBS)
2 - 56	2
4 - 40	4
6 - 32	6
8 - 32	8
10 - 32	10
¼ - 20	12

JAM NUT INSTALLATION SUGGESTED TORQUE VALUES	
SHELL SIZE	INCH-POUNDS ± 5%
10	95
12	110
14	140
16	170
18	195
20	215
22	235
24	260

CAUTION: Over tightening (Torque) connectors, backshells, and other wiring system components can damage threads, metal or composite structure, or rubber components, and cause them to fail. Under-tightening (Torque) wiring system components can cause the components to loosen during use and fail.

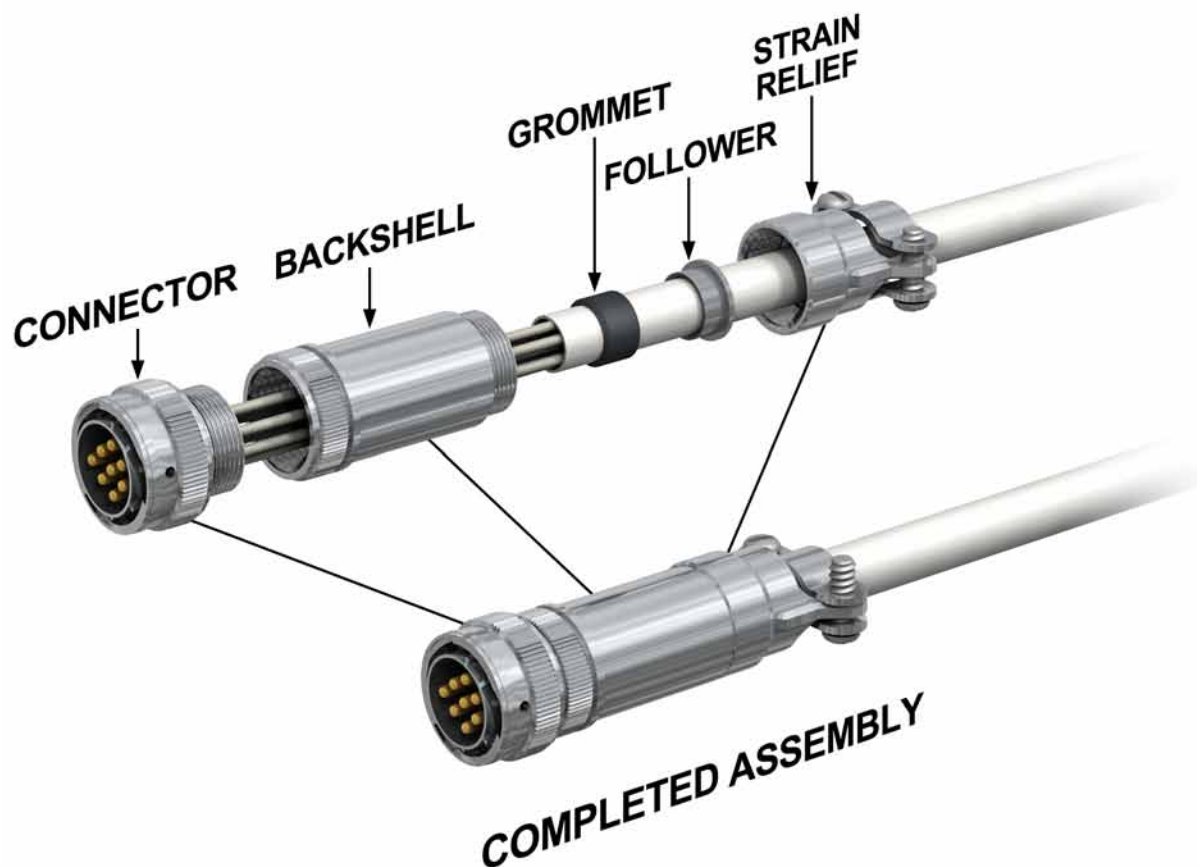
Tightening or loosening system components beyond the specified range of a torque wrench may damage a torque wrench, and affect its accuracy and repeatability.



SECTION 2D

BACKSHELLS

ENVIRONMENTAL

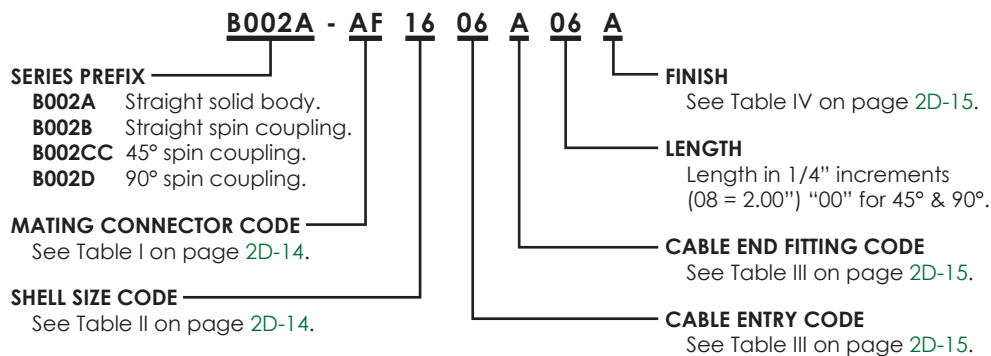


ENVIRONMENTAL BACKSHELL, STRAIGHT, 45° & 90°

B002A, B002B, B002CC, B002D

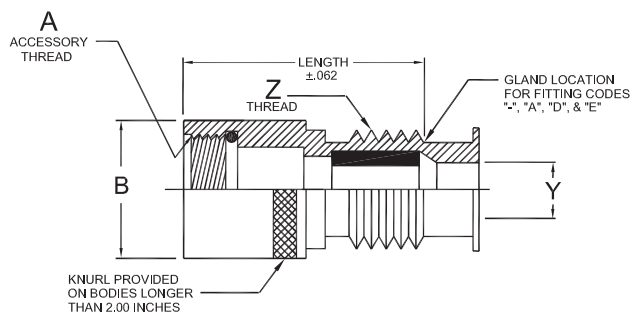
Various Series. See Table I on Page 2D-14.

ORDERING INFORMATION

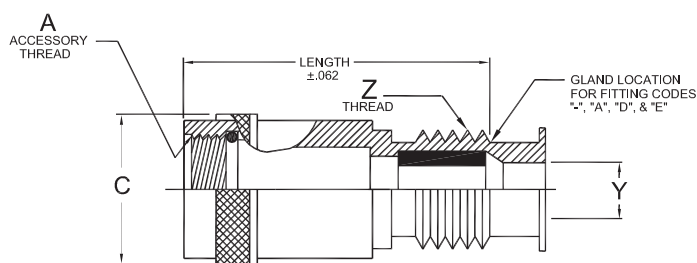


An interfacial adapter will be supplied when maximum cable entry exceeds the connector insert diameter. See Page 2D-12.

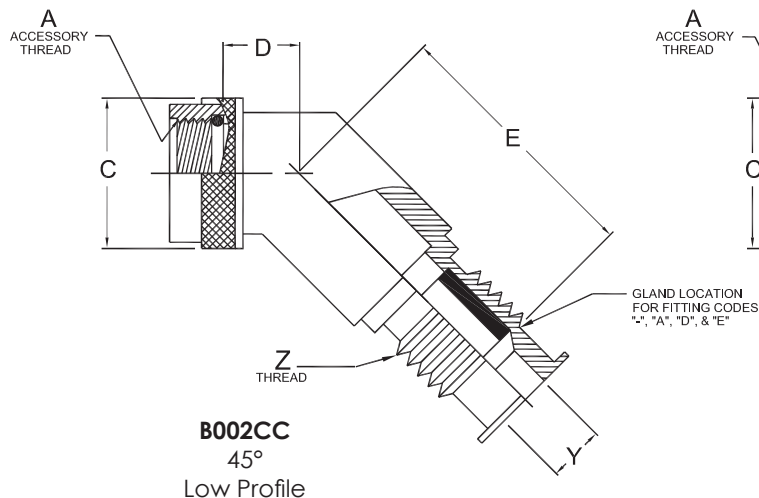
For dimensions Y and Z see Table III on Page 2D-15.



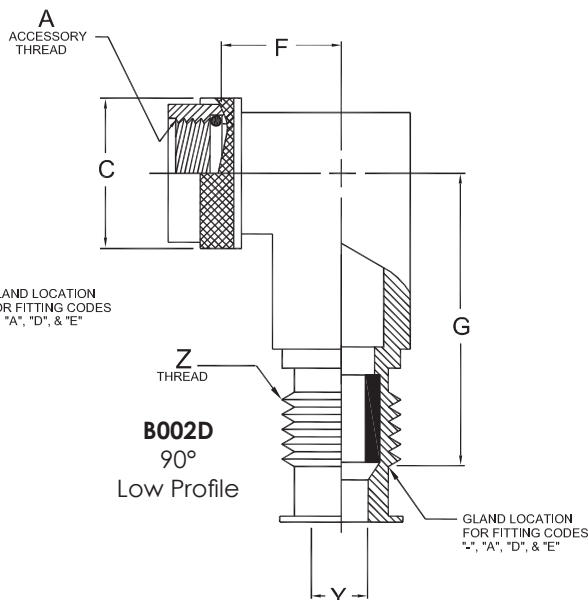
B002A
Straight - Solid Coupling



B002B
Straight - Spin Coupling



B002CC
45°
Low Profile



B002D
90°
Low Profile

ENVIRONMENTAL BACKSHELL, STRAIGHT, 45° & 90°

B002A, B002B, B002CC, B002D

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE									B MAX.	C MAX.	D MAX.	E MAX.	F MAX.	G MAX.
	AB	AF	AK	AM	BA	BB	BF		BG						
			SWLD	SWL			SERIES								
			*1				I	II	III						
.375-32UNEF	8S									.531	.688	.500	1.000	.750	1.125
.438-28UNEF					8		9	8		.594	.688	.500	1.000	.750	1.125
.500-20UNF		8 & 8S								.656	.617	.500	1.000	.750	1.125
.500-28UNEF	10S			10						.656	.850	.500	1.000	.750	1.188
M12x 1.0									9	.656	.688	.750	1.031	1.000	1.250
.562-24UNEF					10		11	10		.719	.812	.750	1.031	1.000	1.250
.625-24UNEF	10SL, 12 & 12S	10,10S & 10SL		12		8				.781	.875	.750	1.031	1.000	1.250
M15x 1.0									11	.781	.812	.750	1.062	1.000	1.312
.688-24UNEF					12		13	12		.844	.938	.812	1.062	1.062	1.312
.750-20UNEF	14 & 14S	12&12S	12	14		10				.906	1.000	.812	1.062	1.062	1.312
M18x 1.0									13	.906	.938	.812	1.125	1.062	1.312
.812-20UNEF					14		15	14		.969	1.062	.812	1.125	1.062	1.375
.875-20UNEF	16 & 16S	14&14S	14	16		12				1.031	1.125	.812	1.125	1.062	1.375
M22x 1.0									15	1.031	1.062	.812	1.188	1.062	1.438
.938-20UNEF					16		17	16		1.094	1.188	.844	1.188	1.125	1.438
1.000-20UNEF	18	16&16S	16	18		14				1.156	1.250	.844	1.188	1.125	1.438
M25x 1.0									17	1.156	1.188	.844	1.188	1.125	1.500
1.062-18UNEF		18			18		19	18		1.219	1.312	.875	1.188	1.188	1.500
1.125-18UNEF	20		18	20		16				1.281	1.375	.875	1.188	1.188	1.562
M28x 1.0									19	1.281	1.312	.875	1.188	1.188	1.562
1.188-18UNEF		20			20		21	20		1.344	1.438	.938	1.188	1.250	1.562
1.250-18UNEF	22		20	22		18				1.406	1.500	.938	1.188	1.250	1.625
M31 x 1.0									21	1.406	1.438	.938	1.250	1.250	1.625
1.312-18UNEF		22			22		23	22		1.469	1.562	.938	1.250	1.250	1.625
1.375-18UNEF	24		22	24		20				1.531	1.625	.938	1.250	1.250	1.625
M34x 1.0									23	1.531	1.562	.938	1.312	1.250	1.750
1.438-18UNEF		24			24		25	24		1.594	1.688	1.000	1.312	1.375	1.750
1.500-18UNEF						22				1.656	1.688	1.000	1.312	1.375	1.750
M37x 1.0									25	1.656	1.688	1.000	1.312	1.375	1.750
1.625-18UNEF	28		24	28		24				1.844	1.969	1.000	1.312	1.375	1.750
1.750-18UNS		28								1.969	2.094	1.000	1.438	1.375	1.812
1.875-16UN	32		28	32						2.094	2.219	1.125	1.438	1.500	1.812
2.000-18UNS		32								2.219	2.344	1.125	1.438	1.500	1.812
2.062-16UNS	36		32	36						2.281	2.406	1.125	1.500	1.500	2.125
2.250-16UN		36								2.469	2.594	1.125	1.500	1.500	2.250
2.312-16UNS	40		36	40						2.531	2.656	1.250	1.500	1.625	2.250
2.500-16UN		40								2.719	2.844	1.250	1.500	1.500	2.250
2.625-16UN			40	44						2.844	2.969	1.250	1.500	1.625	2.375
2.750-16UN		44								2.969	2.969	1.250	1.500	1.625	2.375
2.875-16UN			44	48						3.094	3.281	1.250	1.500	1.625	2.375
3.000-16UN		48								3.219	2.406	1.250	1.500	1.625	2.375
3.125-16UN			48							3.344	3.531	1.250	1.500	1.625	2.375

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

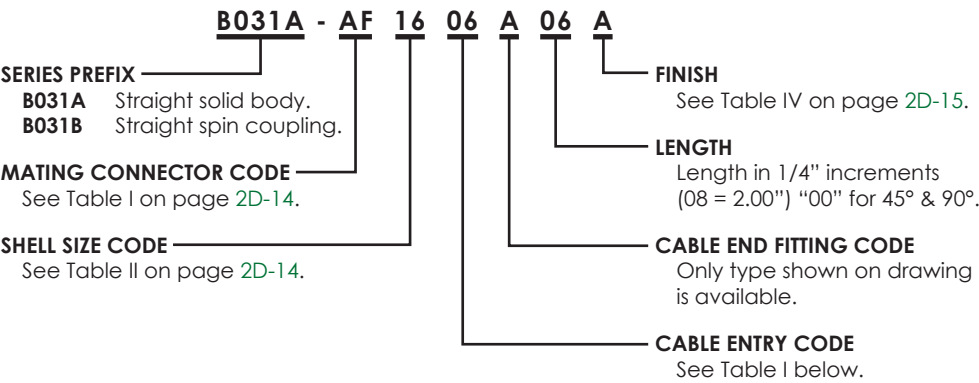
* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

ENVIRONMENTAL BACKSHELL, STRAIGHT FOR ANAMET CONDUIT

B031A, B031B

Various Series. See Table I on Page 2D-14.

ORDERING INFORMATION



An interfacial adapter will be supplied when maximum cable entry exceeds the connector insert diameter. See Page 2D-12.

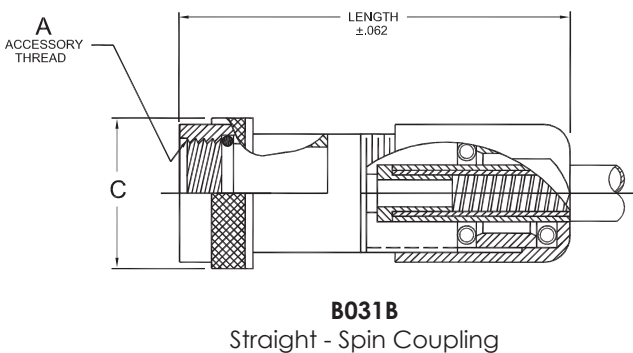
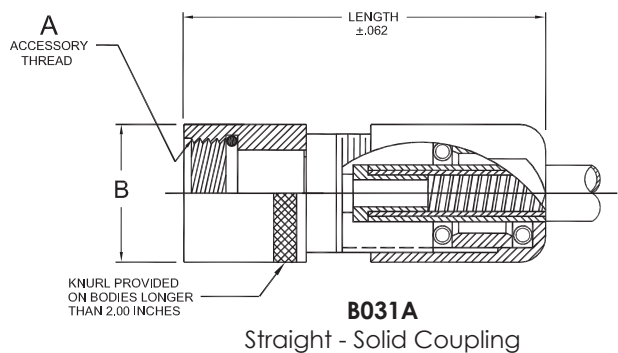


TABLE I

CODE	CONDUIT SIZE
01	3/8
02	1/2
03	3/4
04	1
05	1 1/4
06	1 1/2
07	2

Dimensions are in inches

ENVIRONMENTAL BACKSHELL, STRAIGHT FOR ANAMET CONDUIT

B031A, B031B

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE									B MAX.	C MAX.
	AB	AF	AK	AM	BA	BB	BF		BG		
			SWLD	SWL			SERIES				
		*1	*2				I	II	III		
.375-32UNEF	8S									.531	.688
.438-28UNEF					8		9	8		.594	.688
.500-20UNF		8 & 8S								.656	.617
.500-28UNEF	10S			10						.656	.850
M12x 1.0									9	.656	.688
.562-24UNEF					10		11	10		.719	.812
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.781	.875
M15x 1.0									11	.781	.812
.688-24UNEF					12		13	12		.844	.938
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.906	1.000
M18x 1.0									13	.906	.938
.812-20UNEF					14		15	14		.969	1.062
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.031	1.125
M22x 1.0									15	1.031	1.062
.938-20UNEF					16		17	16		1.094	1.188
1.000-20UNEF	18	16 & 16S	16	18		14				1.156	1.250
M25x 1.0									17	1.156	1.188
1.062-18UNEF		18			18		19	18		1.219	1.312
1.125-18UNEF	20		18	20		16				1.281	1.375
M28x 1.0									19	1.281	1.312
1.188-18UNEF		20			20		21	20		1.344	1.438
1.250-18UNEF	22		20	22		18				1.406	1.500
M31 x 1.0									21	1.406	1.438
1.312-18UNEF		22			22		23	22		1.469	1.562
1.375-18UNEF	24		22	24		20				1.531	1.625
M34x 1.0									23	1.531	1.562
1.438-18UNEF		24			24		25	24		1.594	1.688
1.500-18UNEF						22				1.656	1.688
M37x 1.0									25	1.656	1.688
1.625-18UNEF	28		24	28		24				1.844	1.969
1.750-18UNS		28								1.969	2.094
1.875-16UN	32		28	32						2.094	2.219
2.000-18UNS		32								2.219	2.344
2.062-16UNS	36		32	36						2.281	2.406
2.250-16UN		36								2.469	2.594
2.312-16UNS	40		36	40						2.531	2.656
2.500-16UN		40								2.719	2.844
2.625-16UN			40	44						2.844	2.969
2.750-16UN		44								2.969	2.969
2.875-16UN			44	48						3.094	3.281
3.000-16UN		48								3.219	2.406
3.125-16UN			48							3.344	3.531

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

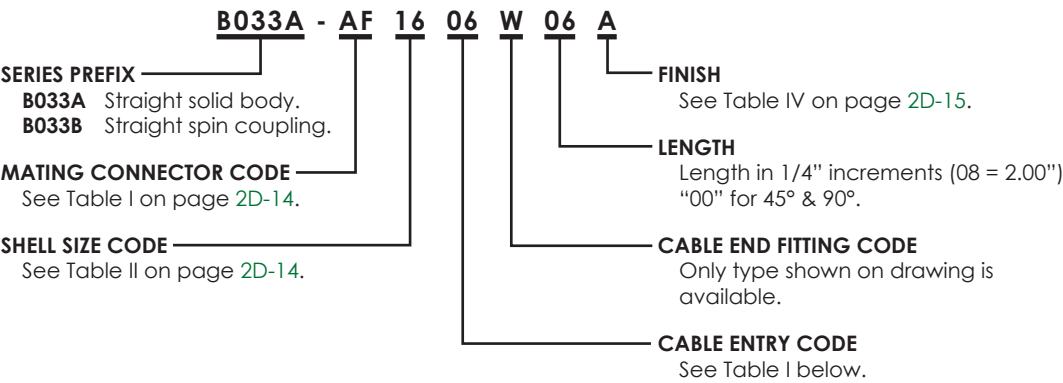
* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

ENVIRONMENTAL BACKSHELL, STRAIGHT FOR PG ADAPTER

B033A, B033B

Various Series. See Table I on Page 2D-14.

ORDERING INFORMATION

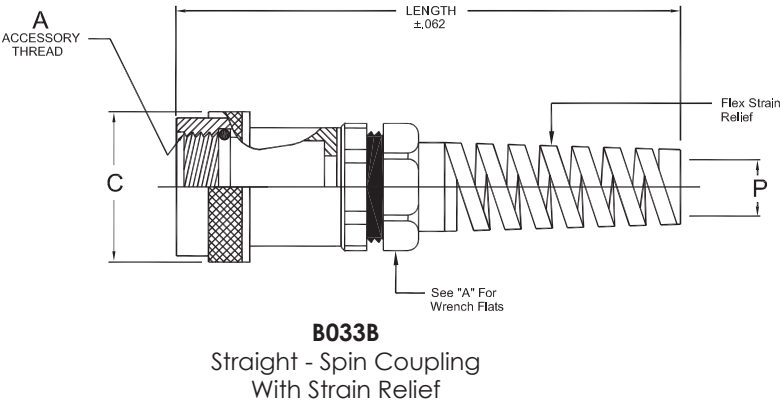
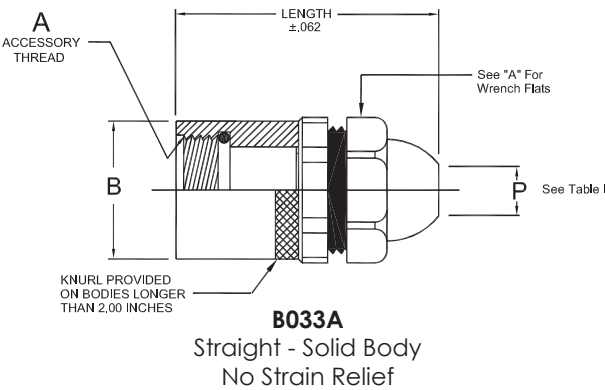


An interfacial adapter will be supplied when maximum cable entry exceeds the connector insert diameter. See Page 2D-12.

TABLE I CABLE ENTRY CODE

CODE		TYPE	P CABLE RANGE	A WRENCH FLATS
FLEX STRAIN RELIEF	NO STRAIN RELIEF			
01	31	PG7	2.0-5.0 [0.08-0.20]	15.0
02	32	PG7	3.0-6.5 [0.12-0.26]	15.0
03	33	PG9	2.0-6.0 [0.08-0.24]	19.0
04	34	PG9	4.0-8.0 [0.16-0.31]	19.0
05	35	PG11	3.0-7.0 [0.12-0.28]	22.0
06	36	PG11	5.0-10.0 [0.20-0.39]	22.0
07	37	PG13.5	5.0-9.0 [0.20-0.35]	24.0
08	38	PG13.5	6.0-12.0 [0.24-0.47]	24.0
09	39	PG16	7.0-12.0 [0.28-0.47]	27.0
10	40	PG16	10.0-14.0 [0.39-0.55]	27.0
11	41	PG21	9.0-16.0 [0.35-0.63]	33.0
12	42	PG21	13.0-18.0 [0.51-0.71]	33.0
13	43	PG29	12.0-20.0 [0.47-0.79]	42.0
14	44	PG29	18.0-25.0 [0.71-0.98]	42.0
15	45	PG36	20.0-26.0 [0.79-1.02]	53.0
16	46	PG36	22.0-32.0 [0.87-1.26]	53.0
17	47	PG42	30.0-38.0 [1.18-1.50]	60.0
18	48	PG48	34.0-44.0 [1.34-1.73]	60.0

Dimensions in brackets [] are in inches



ENVIRONMENTAL BACKSHELL, STRAIGHT FOR PG ADAPTER

B033A, B033B

2D

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE								B MAX.	C MAX.	
	AB	AF	AK	AM	BA	BB	BF				BG
			SWLD	SWL			SERIES				
		*1	*2				I	II			III
.375-32UNEF	8S									.531	.688
.438-28UNEF					8		9	8		.594	.688
.500-20UNF		8 & 8S								.656	.617
.500-28UNEF	10S			10						.656	.850
M12x 1.0									9	.656	.688
.562-24UNEF					10		11	10		.719	.812
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.781	.875
M15x 1.0									11	.781	.812
.688-24UNEF					12		13	12		.844	.938
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.906	1.000
M18x 1.0									13	.906	.938
.812-20UNEF					14		15	14		.969	1.062
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.031	1.125
M22x 1.0									15	1.031	1.062
.938-20UNEF					16		17	16		1.094	1.188
1.000-20UNEF	18	16 & 16S	16	18		14				1.156	1.250
M25x 1.0									17	1.156	1.188
1.062-18UNEF		18			18		19	18		1.219	1.312
1.125-18UNEF	20		18	20		16				1.281	1.375
M28x 1.0									19	1.281	1.312
1.188-18UNEF		20			20		21	20		1.344	1.438
1.250-18UNEF	22		20	22		18				1.406	1.500
M31 x 1.0									21	1.406	1.438
1.312-18UNEF		22			22		23	22		1.469	1.562
1.375-18UNEF	24		22	24		20				1.531	1.625
M34x 1.0									23	1.531	1.562
1.438-18UNEF		24			24		25	24		1.594	1.688
1.500-18UNEF						22				1.656	1.688
M37x 1.0									25	1.656	1.688
1.625-18UNEF	28		24	28		24				1.844	1.969
1.750-18UNS		28								1.969	2.094
1.875-16UN	32		28	32						2.094	2.219
2.000-18UNS		32								2.219	2.344
2.062-16UNS	36		32	36						2.281	2.406
2.250-16UN		36								2.469	2.594
2.312-16UNS	40		36	40						2.531	2.656
2.500-16UN		40								2.719	2.844
2.625-16UN			40	44						2.844	2.969
2.750-16UN		44								2.969	2.969
2.875-16UN			44	48						3.094	3.281
3.000-16UN		48								3.219	2.406
3.125-16UN			48							3.344	3.531

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

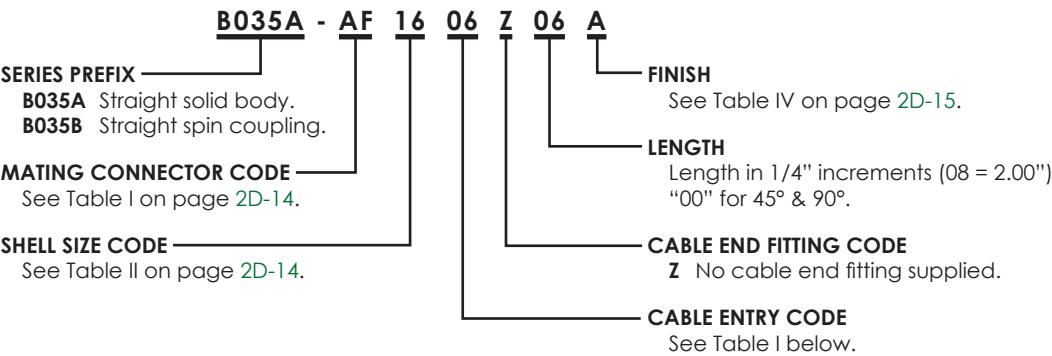
* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

ENVIRONMENTAL BACKSHELL, STRAIGHT FOR PIPE THREAD ADAPTERS

B035A, B035B

Various Series. See Table I on Page 2D-14.

ORDERING INFORMATION



An interfacial adapter will be supplied when maximum cable entry exceeds the connector insert diameter. See Page 2D-12.

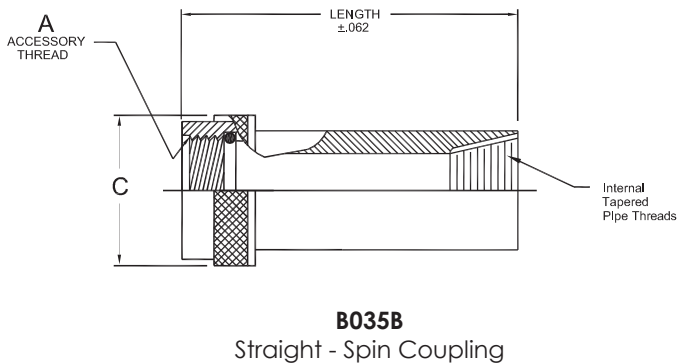
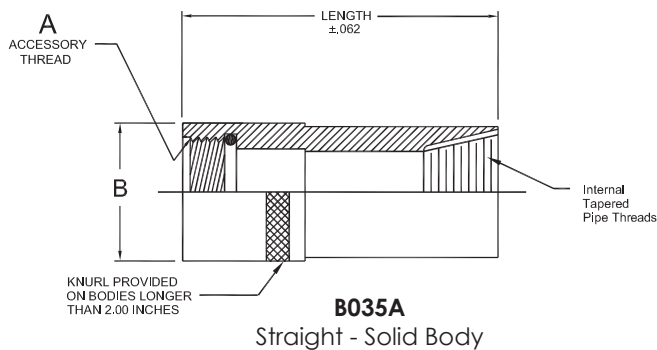


TABLE I

CODE	CONDUIT SIZE
01	1/8
02	1/4
03	3/8
04	1/2
05	3/4
06	1
07	1 1/4
08	1 1/2
09	2
10	2 1/2

Dimensions are in inches

ENVIRONMENTAL BACKSHELL, STRAIGHT FOR PIPE THREAD ADAPTERS

B035A, B035B

2D

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE									B MAX.	C MAX.
	AB	AF	AK	AM	BA	BB	BF		BG		
			SWLD	SWL			SERIES				
			*1				I	II	III		
.375-32UNEF	8S									.531	.688
.438-28UNEF					8		9	8		.594	.688
.500-20UNF		8 & 8S								.656	.617
.500-28UNEF	10S			10						.656	.850
M12x 1.0									9	.656	.688
.562-24UNEF					10		11	10		.719	.812
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.781	.875
M15x 1.0									11	.781	.812
.688-24UNEF					12		13	12		.844	.938
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.906	1.000
M18x 1.0									13	.906	.938
.812-20UNEF					14		15	14		.969	1.062
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.031	1.125
M22x 1.0									15	1.031	1.062
.938-20UNEF					16		17	16		1.094	1.188
1.000-20UNEF	18	16 & 16S	16	18		14				1.156	1.250
M25x 1.0									17	1.156	1.188
1.062-18UNEF		18			18		19	18		1.219	1.312
1.125-18UNEF	20		18	20		16				1.281	1.375
M28x 1.0									19	1.281	1.312
1.188-18UNEF		20			20		21	20		1.344	1.438
1.250-18UNEF	22		20	22		18				1.406	1.500
M31 x 1.0									21	1.406	1.438
1.312-18UNEF		22			22		23	22		1.469	1.562
1.375-18UNEF	24		22	24		20				1.531	1.625
M34x 1.0									23	1.531	1.562
1.438-18UNEF		24			24		25	24		1.594	1.688
1.500-18UNEF						22				1.656	1.688
M37x 1.0									25	1.656	1.688
1.625-18UNEF	28		24	28		24				1.844	1.969
1.750-18UNS		28								1.969	2.094
1.875-16UN	32		28	32						2.094	2.219
2.000-18UNS		32								2.219	2.344
2.062-16UNS	36		32	36						2.281	2.406
2.250-16UN		36								2.469	2.594
2.312-16UNS	40		36	40						2.531	2.656
2.500-16UN		40								2.719	2.844
2.625-16UN			40	44						2.844	2.969
2.750-16UN		44								2.969	2.969
2.875-16UN			44	48						3.094	3.281
3.000-16UN		48								3.219	2.406
3.125-16UN			48							3.344	3.531

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

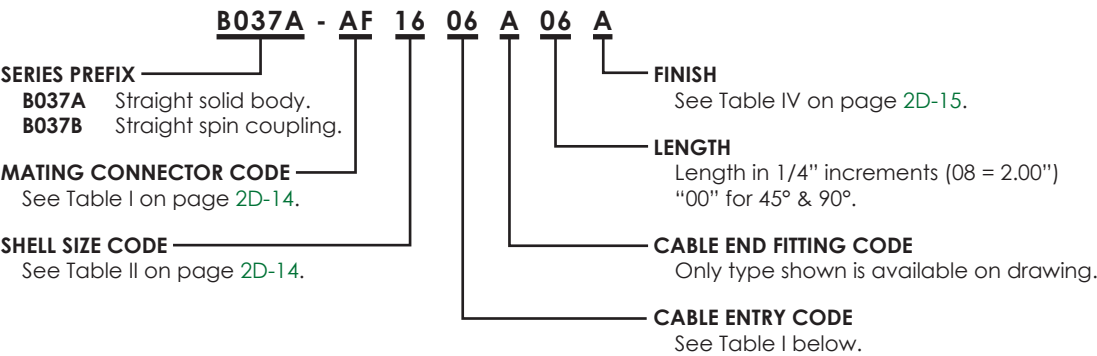
* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

ENVIRONMENTAL BACKSHELL, STRAIGHT FOR SEALTITE™/LIQUIDTITE CONDUIT

B037A, B037B

Various Series. See Table I on Page 2D-14.

ORDERING INFORMATION



An interfacial adapter will be supplied when maximum cable entry exceeds the connector insert diameter. See Page 2D-12.

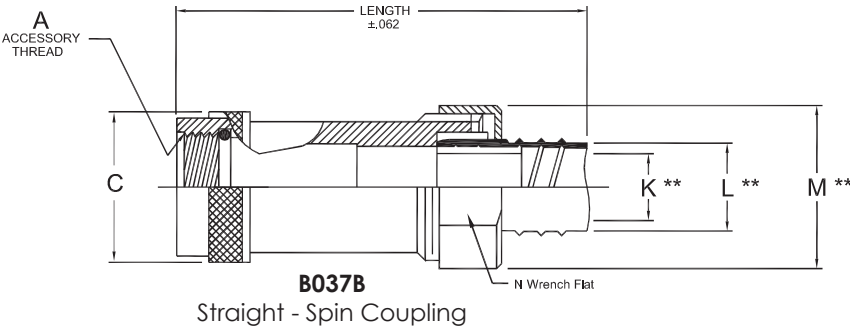
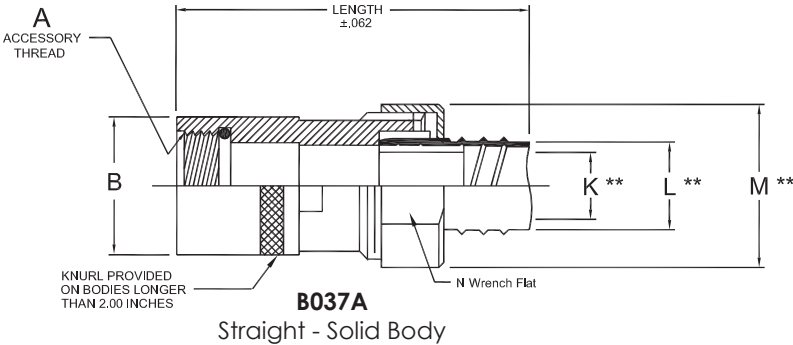


TABLE I

CODE	CONDUIT SIZE	K DIM		L DIM		M Max	N Max Wrench Flats
		Min	Max	Min	Max		
01	3/8	.484 [12.3]	.504 [12.8]	.690 [17.5]	.710 [18.0]	1.155 [29.3]	1.000 [25.4]
02	1/2	.622 [15.8]	.642 [16.3]	.820 [20.8]	.840 [21.3]	1.282 [32.6]	1.125 [28.6]
03	3/4	.820 [20.8]	.840 [21.3]	1.030 [26.2]	1.050 [26.7]	1.531 [38.9]	1.375 [34.9]
04	1	1.041 [26.4]	1.066 [27.1]	1.290 [32.8]	1.315 [33.4]	1.781 [45.2]	1.625 [41.3]
05	1 1/4	1.380 [35.1]	1.410 [35.8]	1.630 [41.4]	1.660 [42.2]	2.218 [56.3]	2.062 [52.4]
06	1 1/2	1.575 [40.0]	1.600 [40.6]	1.875 [47.6]	1.900 [48.3]	2.468 [62.7]	2.312 [58.7]
07	2	2.020 [51.3]	2.045 [51.9]	2.350 [59.7]	2.375 [60.3]	3.031 [77.0]	2.875 [73.0]

Dimensions in brackets [] are in millimeters.



ENVIRONMENTAL BACKSHELL, STRAIGHT FOR SEALTITE™/LIQUIDTITE CONDUIT

B037A, B037B

2D

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE									B MAX.	C MAX.
	AB	AF	AK	AM	BA	BB	BF		BG		
			SWLD	SWL			SERIES				
		*1	*2				I	II	III		
.375-32UNEF	8S									.531	.688
.438-28UNEF					8		9	8		.594	.688
.500-20UNF		8 & 8S								.656	.617
.500-28UNEF	10S			10						.656	.850
M12x 1.0									9	.656	.688
.562-24UNEF					10		11	10		.719	.812
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.781	.875
M15x 1.0									11	.781	.812
.688-24UNEF					12		13	12		.844	.938
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.906	1.000
M18x 1.0									13	.906	.938
.812-20UNEF					14		15	14		.969	1.062
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.031	1.125
M22x 1.0									15	1.031	1.062
.938-20UNEF					16		17	16		1.094	1.188
1.000-20UNEF	18	16 & 16S	16	18		14				1.156	1.250
M25x 1.0									17	1.156	1.188
1.062-18UNEF		18			18		19	18		1.219	1.312
1.125-18UNEF	20		18	20		16				1.281	1.375
M28x 1.0									19	1.281	1.312
1.188-18UNEF		20			20		21	20		1.344	1.438
1.250-18UNEF	22		20	22		18				1.406	1.500
M31 x 1.0									21	1.406	1.438
1.312-18UNEF		22			22		23	22		1.469	1.562
1.375-18UNEF	24		22	24		20				1.531	1.625
M34x 1.0									23	1.531	1.562
1.438-18UNEF		24			24		25	24		1.594	1.688
1.500-18UNEF						22				1.656	1.688
M37x 1.0									25	1.656	1.688
1.625-18UNEF	28		24	28		24				1.844	1.969
1.750-18UNS		28								1.969	2.094
1.875-16UN	32		28	32						2.094	2.219
2.000-18UNS		32								2.219	2.344
2.062-16UNS	36		32	36						2.281	2.406
2.250-16UN		36								2.469	2.594
2.312-16UNS	40		36	40						2.531	2.656
2.500-16UN		40								2.719	2.844
2.625-16UN			40	44						2.844	2.969
2.750-16UN		44								2.969	2.969
2.875-16UN			44	48						3.094	3.281
3.000-16UN		48								3.219	2.406
3.125-16UN			48							3.344	3.531

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

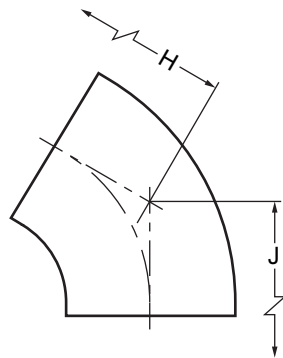
* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

CONFIGURATIONS

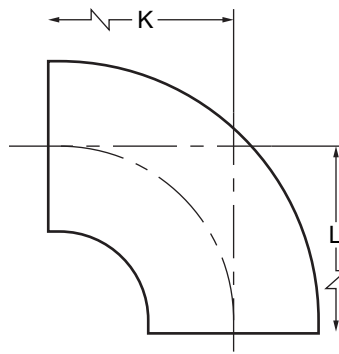
CONFIGURATION CODES

CODE					DESCRIPTION
STRAIGHT	45°	45° BENT TUBE	90°	90° BENT TUBE	
A					Solid body
B	CC	C	D	H	Round non-locking nut, .032" safety wire holes
E	FF	F	G	K	Hex non-locking nut, .032 safety wire holes

BENT TUBE CONFIGURATIONS

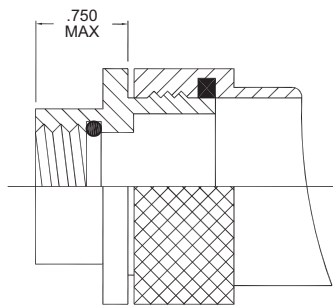


**45°
Bent Tube**

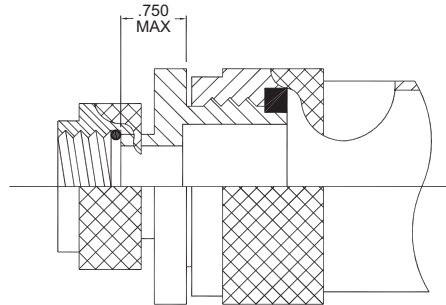


**90°
Bent Tube**

INTERFACIAL ADAPTER CONFIGURATIONS



**Straight Solid
Configuration**



**Straight 45° & 90°
Spin Configuration**

O-Rings Supplied for Environmental Assemblies Only

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE									H MAX.	J MAX.	K MAX.	L MAX.
	AB	AF	AK	AM	BA	BB	BF		BG				
			SWLD	SWL			SERIES						
		*1	*2				I	II	III				
.375-32UNEF	8S									.812	.875	1.125	1.188
.438-28UNEF					8		9	8		.812	.875	1.125	1.188
.500-20UNF		8 & 8S								.812	.875	1.125	1.188
.500-28UNEF	10S			10						.812	.875	1.125	1.188
M12x 1.0									9	.812	.875	1.125	1.188
.562-24UNEF					10		11	10		.875	.938	1.250	1.312
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.875	.938	1.250	1.312
M15x 1.0									11	.875	.938	1.250	1.312
.688-24UNEF					12		13	12		.938	1.000	1.375	1.438
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.938	1.000	1.375	1.438
M18x 1.0									13	.938	1.000	1.375	1.438
.812-20UNEF					14		15	14		1.000	1.062	1.500	1.562
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.000	1.062	1.500	1.562
M22x 1.0									15	1.000	1.062	1.500	1.562
.938-20UNEF					16		17	16		1.062	1.125	1.625	1.688
1.000-20UNEF	18	16 & 16S	16	18		14				1.062	1.125	1.625	1.688
M25x 1.0									17	1.062	1.125	1.625	1.688
1.062-18UNEF		18			18		19	18		1.094	1.156	1.750	1.812
1.125-18UNEF	20		18	20		16				1.094	1.156	1.750	1.812
M28x 1.0									19	1.094	1.156	1.750	1.812
1.188-18UNEF		20			20		21	20		1.156	1.219	1.875	1.938
1.250-18UNEF	22		20	22		18				1.156	1.219	1.875	1.938
M31 x 1.0									21	1.156	1.219	1.875	1.938
1.312-18UNEF		22			22		23	22		1.188	1.250	2.000	2.062
1.375-18UNEF	24		22	24		20				1.188	1.250	2.000	2.062
M34x 1.0									23	1.188	1.250	2.000	2.062
1.438-18UNEF		24			24		25	24		1.250	1.312	2.125	2.188
1.500-18UNEF						22				1.250	1.312	2.125	2.188
M37x 1.0									25	1.250	1.312	2.125	2.188
1.625-18UNEF	28		24	28		24				1.344	1.625	2.375	2.625
1.750-18UNS		28								1.344	1.625	2.375	2.625
1.875-16UN	32		28	32						1.438	1.812	2.625	3.000
2.000-18UNS		32								1.438	1.812	2.625	3.000
2.062-16UNS	36		32	36						1.562	1.938	2.875	3.250
2.250-16UN		36								1.562	1.938	2.875	3.250
2.312-16UNS	40		36	40						1.688	2.062	3.125	3.500
2.500-16UN		40								1.688	2.062	3.125	3.500
2.625-16UN			40	44						1.750	2.188	3.375	3.812
2.750-16UN		44								1.750	2.188	3.375	3.812
2.875-16UN			44	48						1.875	2.312	3.625	4.062
3.000-16UN		48								1.875	2.312	3.625	4.062
3.125-16UN			48							1.875	2.312	3.625	4.062

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

MATING CONNECTOR CODES

TABLE I. MATING CONNECTOR CODES

CODE	CONNECTOR SPECIFICATION
AB	MIL-DTL-5015, Solder Contacts, and F80 Crimp, SCP and SCPB Series
AF	MIL-DTL-5015, Crimp Front or Rear Release Contacts SC30 thru SC39 and SC50 thru SC59 MIL-DTL-26482, Series 2, SCPT70 thru SCPT79
AK	MIL-DTL-22992, Class C & R, SWLD Series, SCP17343 thru SCP17347
AM	SWL Series
BA	MIL-DTL-26482 Series I, Solder or Crimp Front Release, SCPT and SCPC Series
BB	MIL-DTL-26482 Series 1, Class E, F & P SCPT07* and SCPT07S
BF	MIL-DTL-38999 Series I & II, SC1001, SC1466, SC1467, SC1468, SC1469, SC1470, SC1471, SC1496, SC1498, SC1505, SC1656, SC1662, SC2001, SC2472, SC2473, SC2474, SC2475, SC2476, SC2477, SC2478, SC2484, SC2497, SC2499, SC2508, SC2513
BG	MIL-DTL-38999, Series III, SC3920 thru SC3926

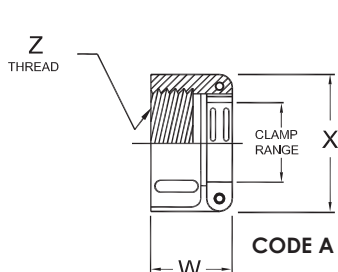
SHELL SIZE CODES

TABLE II. SHELL SIZE CODES

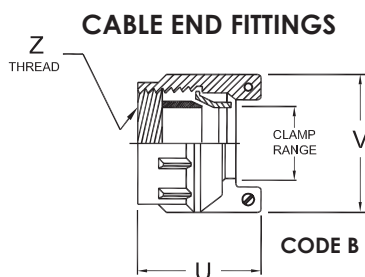
SHELL SIZE CODE	MATING CONNECTOR CODES								
	AB	AF	AK	AM	BA	BB	BF		BG
			SWLD	SWL			SERIES		
							I	II	III
08	8S	8 & 8S			8	8	9	8	
09									9
10	10S	10, 10S & 10SL		10	10	10	11	10	
11				12					11
12	10SL, 12 & 12S	12 & 12S	12	14	12	12	13	12	
13									13
14	14 & 14S	14 & 14S	14	16	14	14	15	14	
15									15
16	16 & 16S	16 & 16S	16	18	16	16	17	16	
17									17
18	18	18	18	20	18	18	19	18	
19									19
20	20	20	20	22	20	20	21	20	
21									21
22	22	22	22	24	22	22	23	22	
23									23
24	24	24	24	28	24	24	25	24	
25									25
28	28	28	28	32					
32	32	32	32	36					
36	36	36	36	40					
40	40	40	40	44					
44		44	44						
48		48	48						

TABLE III. CABLE ENTRY CODE/CABLE END FITTING DIMENSIONS

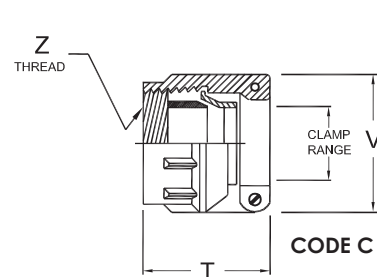
CABLE ENTRY CODE	Z FITTING THREAD	Y REF.	END FITTING A				END FITTING B & C					END FITTING D				END FITTING E	
			X ±.031	W ±.031	CLAMP RANGE		V MAX.	U MAX.	T MAX.	CLAMP RANGE		S ±.020	R ±	CLAMP RANGE		P ±.016	N ±.016
					OPEN	CLOSED				OPEN	CLOSED			OPEN	CLOSED		
03	.500-28UNEF	.250	.812	.812	.250	.156	.812	1.031	1.031	.219	.094	—	—	—	—	.625	.438
04	.625-24UNEF	.312	.875	.812	.312	.188	.938	1.031	1.375	.312	.094	.938	1.281	.312	.125	.750	.438
06	.750-20UNEF	.438	1.062	.875	.438	.281	1.062	1.031	1.375	.438	.250	1.125	1.281	.438	.250	.875	.438
08	.875-20UNEF	.562	1.156	.938	.562	.344	1.188	1.031	1.375	.531	.312	1.312	1.281	.562	.312	1.031	.438
10	1.000-20UNEF	.625	1.250	.938	.625	.375	1.312	1.094	1.438	.625	.375	1.312	1.281	.625	.350	1.156	.438
12	1.188-18UNEF	.750	1.469	.938	.750	.438	1.562	1.219	1.438	.750	.500	1.531	1.312	.750	.500	1.344	.438
16	1.438-18UNEF	.938	1.688	1.031	.938	.562	1.750	1.219	1.562	.938	.594	1.750	1.406	.938	.625	1.564	.438
20	1.750-18UNS	1.250	2.031	1.094	1.250	.750	2.250	1.344	1.812	1.250	.938	2.094	1.594	1.250	.875	1.906	.500
24	2.000-18UNS	1.375	2.281	1.156	1.375	.781	2.375	1.547	2.062	1.375	.969	2.344	1.625	1.375	1.000	2.156	.562
28	2.250-16UN	1.625	2.688	1.688	1.625	.969	2.625	1.547	2.062	1.625	1.188	2.750	1.900	1.625	1.250	2.406	.562
32	2.500-16UN	1.875	2.938	1.750	1.875	1.125	2.812	1.734	2.188	1.875	1.375	3.000	1.900	1.875	1.438	2.656	.625
40	3.000-16UN	2.375	3.500	1.750	2.375	1.469	—	—	—	—	—	—	—	—	—	3.156	.688



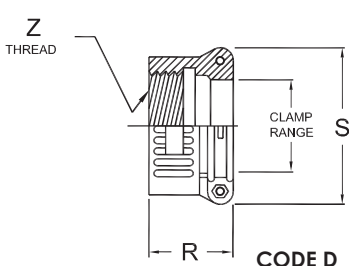
CODE A



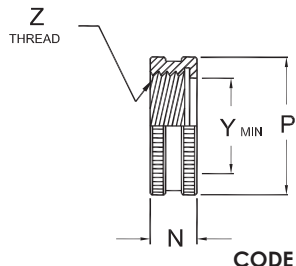
CODE B



CODE C



CODE D



CODE E

SPECIAL FITTING AS
ILLUSTRATED ON
DRAWING

CODE W

NO CABLE END
FITTING SUPPLIED

CODE Z

TABLE IV. FINISH CODES CONSULT FACTORY FOR OTHER AVAILABLE FINISHES

FINISH CODE	DESCRIPTION
A	Cadmium, Olive Drab, per QQ-P-416, Type II, Over Electroless Nickel, per MIL-C-26074 (1000 Hour Salt Spray Finish)
B	Cadmium, Black, per QQ-P-416, Type II, Class 3
C	Cadmium, Olive Drab, per QQ-P-416, Type II, Class 3
D	Cadmium - Yellow, per QQ-P-416, Type II Class 3, 48 Hours
E	Cadmium - Yellow Over Nickel, 48 Hours
F	Anodize, Sulphuric, Black, per MIL-A-8625, Type II, Class 2
G	Chromium Plate, per QQ-C-320, CLASS 2 A, Type II
H	Anodize, Hard, Black, per MIL-A-8625, Type III, Class 2
I	Chemical Film, per MIL-C-5541
J	Cadmium, Clear, per QQ-P-416, Type II Class 3
K	Nickel, Electro Deposited, per QQ-N-290, Class 2

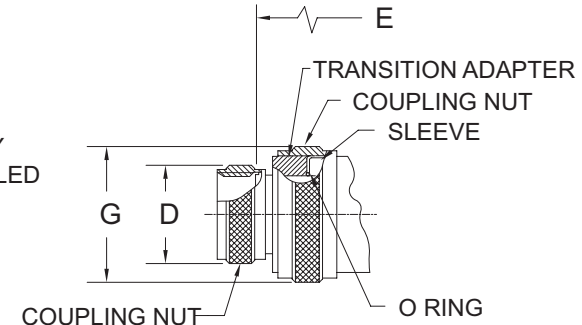
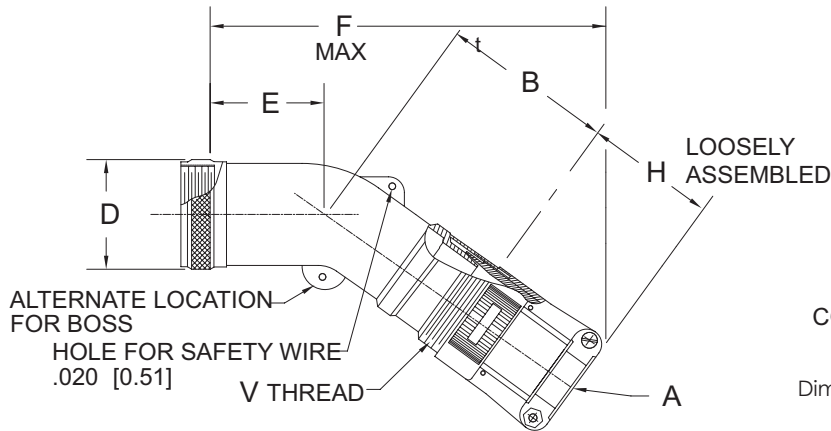
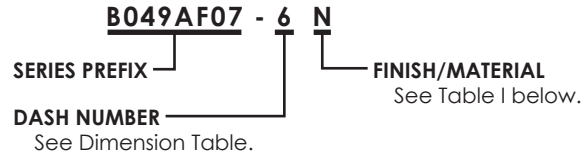
FINISH CODE	DESCRIPTION
L	Zinc Cobalt, Color O.D. .000050
M	Zinc Cobalt, Color Black, .000050
N	Electroless Nickel, per MIL-C-26074, Class 4, Grade B
R	Anodize, Hard, Gray, per MIL-A-8625, Type III, Class 1
S	Anodize, Sulphuric, Gray, per MIL-A-8625, Type II, Class 1
T	Anodize, Hard Color Blue
U	Anodize, Hard Color Red
V	Anodize, Hard Color Yellow
X	Cadmium, Bright, per QQ-P-416, Type II, Over Electroless Nickel, per MIL-C-26074
Z	Anodize, Hard, Green, per MIL-A-8625, Type III, Class 1, Dichromate Seal

45° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF07

For **SC30**, **SC50** & **SC70** Series (MIL-DTL-5015 Crimp & MIL-DTL-26482 Series 2)

ORDERING INFORMATION



Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	W finish is not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Y	Pure dense electrodeposited aluminum in accordance with MIL-DTL-83488, Type II, to withstand 500 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	Not for use on shield termination type connector accessories.
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
B	Black cadmium - In accordance with AMS-QQ-P-416, Type II, Class 3.	Stainless Steel	-65 to +175 °C	B finish is not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.		-65 to +200 °C	
XS	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
ZS	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

45° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF07

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA]		STYLE	B ±.062 [±1.57]	ØD MAX.	E ±.125 [±3.17]	F MAX	ØG MAX.	H MAX	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.								
3	8	8S	4	.125 [3.17]	.250 [6.35]	1	1.182 [30.02]	.617 [15.67]	.500 [12.70]	2.88 [73.15]	—	1.027 [26.09]	.625-24 UNEF
4	10	10S, 10SL	4	.125 [3.17]	.312 [7.92]	1	1.850 [46.99]	.734 [18.64]	.561 [14.25]	3.41 [86.61]	—	1.027 [26.09]	.625-24 UNEF
5	10	10S, 10SL	6	.250 [6.35]	.375 [9.52]	1	1.245 [31.62]	.734 [18.64]	.561 [14.25]	3.05 [77.47]	—	1.027 [26.09]	.750-20 UNEF
6	12	12, 12S	4	.125 [3.17]	.312 [7.92]	1	1.910 [48.51]	.858 [21.79]	.625 [15.87]	3.52 [89.41]	—	1.027 [26.09]	.625-24 UNEF
7	12	12, 12S	6	.250 [6.35]	.437 [11.10]	1	1.910 [48.51]	.858 [21.79]	.625 [15.87]	3.58 [90.93]	—	1.027 [26.09]	.750-20 UNEF
8	12	12, 12S	10	.350 [8.89]	.500 [12.70]	1	1.910 [48.51]	.858 [21.79]	.625 [15.87]	3.86 [98.04]	—	1.027 [26.09]	1.000-20 UNEF
9	14	14, 14S	6	.250 [6.35]	.437 [11.10]	1	2.000 [50.80]	.984 [24.99]	.688 [17.48]	3.71 [94.23]	—	1.027 [26.09]	.750-20 UNEF
10	14	14, 14S	10	.350 [8.89]	.575 [14.60]	1	1.655 [42.04]	.984 [24.99]	.688 [17.48]	3.74 [95.00]	—	1.027 [26.09]	1.000-20 UNEF
11	16	16, 16S	6	.250 [6.35]	.437 [11.10]	1	2.110 [53.59]	1.112 [28.24]	.781 [19.84]	3.88 [98.55]	—	1.027 [26.09]	.750-20 UNEF
12	16	16, 16S	12	.500 [12.70]	.700 [17.78]	1	1.750 [44.45]	1.112 [28.24]	.781 [19.84]	4.03 [102.36]	—	1.059 [26.90]	1.187-18 UNEF
13	18	18	10	.350 [8.89]	.625 [15.87]	1	2.300 [58.42]	1.218 [30.94]	.968 [24.59]	4.48 [113.79]	—	1.027 [26.09]	1.000-20 UNEF
14	18	18	16	.625 [15.87]	.779 [19.79]	1	1.938 [49.23]	1.218 [30.94]	.968 [24.59]	4.49 [114.05]	—	1.156 [29.36]	1.437-18 UNEF
15	20	20	10	.350 [8.89]	.625 [15.87]	1	2.300 [58.42]	1.345 [34.16]	.968 [24.59]	4.48 [113.79]	—	1.027 [26.09]	1.000-20 UNEF
16	20	20	16	.625 [15.87]	.904 [22.96]	1	1.938 [49.23]	1.345 [34.16]	.968 [24.59]	4.49 [114.05]	—	1.156 [29.36]	1.437-18 UNEF
17	22	22	12	.500 [12.70]	.750 [19.05]	1	2.450 [62.23]	1.468 [37.29]	1.063 [27.00]	4.81 [122.17]	—	1.059 [26.90]	1.187-18 UNEF
18	22	22	20	.875 [22.22]	1.029 [26.14]	1	2.093 [53.16]	1.468 [37.29]	1.063 [27.00]	4.98 [126.49]	—	1.375 [34.92]	1.750-18 UNS
19	24	24	12	.500 [12.70]	.750 [19.05]	1	2.450 [62.23]	1.593 [40.46]	1.063 [27.00]	4.81 [122.17]	—	1.059 [26.90]	1.187-18 UNEF
20	24	24	20	.875 [22.22]	1.144 [29.06]	1	2.093 [53.16]	1.593 [40.46]	1.063 [27.00]	4.98 [126.49]	—	1.375 [34.92]	1.750-18 UNS
21	—	28	16	.625 [15.87]	.937 [23.80]	1	2.500 [63.50]	1.969 [50.01]	1.188 [30.18]	5.11 [129.79]	—	1.156 [29.36]	1.437-18 UNEF
22	—	28	24	1.000 [25.40]	1.375 [34.92]	1	2.156 [54.76]	1.969 [50.01]	1.188 [30.18]	5.09 [129.29]	—	1.500 [38.10]	2.000-18 UNS
23	—	32	16	.625 [15.87]	.937 [23.80]	1	2.600 [66.04]	2.219 [56.36]	1.250 [31.75]	5.24 [133.10]	—	1.156 [29.36]	1.437-18 UNEF
24	—	32	20	.875 [22.22]	1.250 [31.75]	1	2.600 [66.04]	2.219 [56.36]	1.250 [31.75]	5.52 [140.21]	—	1.375 [34.92]	1.750-18 UNS
25	—	32	28	1.250 [31.75]	1.625 [41.27]	1	2.250 [57.15]	2.219 [56.36]	1.250 [31.75]	5.73 [145.54]	—	1.781 [45.24]	2.250-16 UN
26	—	36	16	.625 [15.87]	.937 [23.80]	1	2.690 [68.33]	2.469 [62.71]	1.281 [32.54]	5.33 [135.38]	—	1.156 [29.36]	1.437-18 UNEF
27	—	36	24	1.000 [25.40]	1.375 [34.92]	1	2.690 [68.33]	2.469 [62.71]	1.281 [32.54]	5.56 [141.22]	—	1.500 [38.10]	2.000-18 UNS
28	—	36	32	1.437 [36.50]	1.840 [46.74]	1	2.344 [59.54]	2.469 [62.71]	1.281 [32.54]	5.95 [151.13]	—	1.830 [46.48]	2.500-16 UN
29	—	40	16	.625 [15.87]	.937 [23.80]	1	2.690 [68.33]	2.719 [69.06]	2.031 [51.59]	6.08 [154.43]	—	1.156 [29.36]	1.437-18 UNEF
30	—	40	24	1.000 [25.40]	1.375 [34.92]	1	2.690 [68.33]	2.719 [69.06]	2.031 [51.59]	6.31 [160.27]	—	1.500 [38.10]	2.000-18 UNS

Dimensions in brackets [] are in millimeters.

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45° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

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DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA]		STYLE	B ±.062 [±1.57]	ØD MAX.	E ±.125 [±3.17]	F MAX	ØG MAX.	H MAX	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.								
31	–	40	32	1.437 [36.50]	1.875 [47.62]	1	2.344 [59.54]	2.719 [69.06]	2.031 [51.59]	6.70 [170.18]	–	1.830 [46.48]	2.500-16 UN
32	–	44	16	.625 [15.87]	.937 [23.80]	1	2.690 [68.33]	2.969 [75.41]	2.031 [51.59]	6.08 [154.43]	–	1.156 [29.36]	1.437-18 UNEF
33	–	44	24	1.000 [25.40]	1.375 [34.92]	1	2.690 [68.33]	2.969 [75.41]	2.031 [51.59]	6.31 [160.27]	–	1.500 [38.10]	2.000-18 UNS
34	–	44	32	1.437 [36.50]	1.875 [47.62]	1	2.344 [59.54]	2.969 [75.41]	2.031 [51.59]	6.70 [170.18]	–	1.830 [46.48]	2.500-16 UN
35	–	48	16	.625 [15.87]	.937 [23.80]	1	2.690 [68.33]	3.219 [81.76]	2.031 [51.59]	6.08 [154.43]	–	1.156 [29.36]	1.437-18 UNEF
36	–	48	24	1.000 [25.40]	1.375 [34.92]	1	2.690 [68.33]	3.219 [81.76]	2.031 [51.59]	6.31 [160.27]	–	1.500 [38.10]	2.000-18 UNS
37	–	48	32	1.437 [36.50]	1.875 [47.62]	1	2.344 [59.54]	3.219 [81.76]	2.031 [51.59]	6.70 [170.18]	–	1.830 [46.48]	2.500-16 UN
40	16	16, 16S	10	.350 [8.89]	.625 [15.87]	1	2.110 [53.59]	1.112 [28.24]	.781 [19.84]	4.16 [105.66]	–	1.027 [26.09]	1.000-20 UNEF
41	18	18	4	.125 [3.17]	.312 [7.92]	1	2.300 [58.42]	1.218 [30.94]	.968 [24.59]	4.13 [104.90]	–	1.027 [26.09]	.625-24 UNEF
42	18	18	6	.250 [6.35]	.437 [11.10]	1	2.300 [58.42]	1.218 [30.94]	.968 [24.59]	4.20 [106.68]	–	1.027 [26.09]	.750-20 UNEF
43	20	20	6	.250 [6.35]	.437 [11.10]	1	2.300 [58.42]	1.345 [34.16]	.968 [24.59]	4.20 [106.68]	–	1.027 [26.09]	.750-20 UNEF
44	22	22	4	.125 [3.17]	.312 [7.92]	1	2.450 [62.23]	1.468 [37.29]	1.063 [27.00]	4.34 [110.24]	–	1.027 [26.09]	.625-24 UNEF
45	22	22	6	.250 [6.35]	.437 [11.10]	1	2.450 [62.23]	1.468 [37.29]	1.063 [27.00]	4.40 [111.76]	–	1.027 [26.09]	.750-20 UNEF
46	24	24	10	.350 [8.89]	.625 [15.87]	1	2.450 [62.23]	1.593 [40.46]	1.063 [27.00]	4.68 [118.87]	–	1.027 [26.09]	1.000-20 UNEF
47	–	36	12	.500 [12.70]	.750 [19.05]	1	2.690 [68.33]	2.469 [62.71]	1.281 [32.54]	5.20 [132.08]	–	1.059 [26.90]	1.187-18 UNEF
48	–	40	12	.500 [12.70]	.750 [19.05]	1	2.690 [68.33]	2.719 [69.06]	2.031 [51.59]	5.95 [151.13]	–	1.059 [26.90]	1.187-18 UNEF
49	10	10S, 10SL	6	.250 [6.35]	.437 [11.10]	2	1.910 [48.51]	.734 [18.64]	1.375 [34.92]	4.33 [109.98]	.858 [21.79]	1.027 [26.09]	.750-20 UNEF
50	14	14, 14S	12	.500 [12.70]	.750 [19.05]	2	2.300 [58.42]	.984 [24.99]	1.717 [43.61]	5.36 [136.14]	1.218 [30.94]	1.059 [26.90]	1.187-18 UNEF
51	16	16, 16S	16	.625 [15.87]	.937 [23.80]	2	2.450 [62.23]	1.112 [28.24]	1.812 [46.02]	5.70 [144.78]	1.468 [37.29]	1.156 [29.36]	1.437-18 UNEF
52	18	18	12	.500 [12.70]	.750 [19.05]	1	2.300 [58.42]	1.218 [30.94]	.968 [24.59]	4.61 [117.09]	–	1.059 [26.90]	1.187-18 UNEF
54	20	20	12	.500 [12.70]	.750 [19.05]	1	2.300 [58.42]	1.345 [34.16]	.968 [24.59]	4.61 [117.09]	–	1.059 [26.90]	1.187-18 UN
55	20	20	20	.875 [22.22]	1.250 [31.75]	2	2.500 [63.50]	1.345 [34.16]	1.936 [49.17]	6.14 [155.96]	1.969 [50.01]	1.375 [34.92]	1.750-18 UNS
56	22	22	10	.350 [8.89]	.625 [15.87]	1	2.450 [62.23]	1.468 [37.29]	1.063 [27.00]	4.68 [118.87]	–	1.027 [26.09]	1.750-18 UNS
57	22	22	16	.625 [15.87]	.937 [23.80]	1	2.450 [62.23]	1.468 [37.29]	1.063 [27.00]	4.95 [125.73]	–	1.156 [29.36]	1.000-20 UNEF
58	22	22	20	.875 [22.22]	1.250 [31.75]	2	2.500 [63.50]	1.468 [37.29]	1.936 [49.17]	6.14 [155.96]	1.969 [50.01]	1.375 [34.92]	1.437-18 UNEF
59	24	24	16	.625 [15.87]	.937 [23.80]	1	2.450 [62.23]	2.093 [53.16]	1.063 [27.00]	4.95 [125.73]	–	1.156 [29.36]	1.187-18 UNEF
60	–	28	12	.500 [12.70]	.750 [19.05]	1	2.500 [63.50]	1.969 [50.01]	1.188 [30.18]	4.97 [126.24]	–	1.059 [26.90]	1.437-18 UNEF
61	–	28	20	.875 [22.22]	1.250 [31.75]	1	2.500 [63.50]	1.969 [50.01]	1.188 [30.18]	5.39 [136.91]	–	1.375 [34.92]	1.750-18 UNS

Dimensions in brackets [] are in millimeters.

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45° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

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DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA]		STYLE	B $\pm.062$ [± 1.57]	ØD MAX.	E $\pm.125$ [± 3.17]	F MAX	ØG MAX.	H MAX	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.								
62	–	32	24	1.000 [25.40]	1.375 [34.92]	1	2.600 [66.04]	2.219 [56.36]	1.250 [31.75]	5.47 [138.94]	–	1.500 [38.10]	2.000-18 UNS
63	–	36	20	.875 [22.22]	1.250 [31.75]	1	2.690 [68.33]	2.469 [62.71]	1.281 [32.54]	5.62 [142.75]	–	1.375 [34.92]	1.750-18 UNS
64	–	36	28	1.250 [31.75]	1.625 [41.27]	1	2.690 [68.33]	2.469 [62.71]	1.281 [32.54]	6.08 [154.43]	–	1.781 [45.24]	2.250-16 UN
65	–	40	20	.875 [22.22]	1.250 [31.75]	1	2.690 [68.33]	2.719 [69.06]	2.031 [51.59]	6.37 [161.80]	–	1.375 [34.92]	1.750-18 UNEF
66	–	40	28	1.250 [31.75]	1.625 [41.27]	1	2.690 [68.33]	2.719 [69.06]	2.031 [51.59]	6.83 [173.48]	–	1.781 [45.24]	2.250-16 UN
67	–	44	20	.875 [22.22]	1.250 [31.75]	1	2.690 [68.33]	2.969 [75.41]	2.031 [51.59]	6.37 [161.80]	–	1.375 [34.92]	1.750-18 UNS
68	–	44	28	1.250 [31.75]	1.625 [41.27]	1	2.690 [68.33]	2.969 [75.41]	2.031 [51.59]	6.83 [173.48]	–	1.781 [45.24]	2.250-16 UN
69	–	48	20	.875 [22.22]	1.250 [31.75]	1	2.690 [68.33]	3.219 [81.76]	2.031 [51.59]	6.37 [161.80]	–	1.375 [34.92]	1.750-18 UNS
70	–	48	28	1.250 [31.75]	1.625 [41.27]	1	2.690 [68.33]	3.219 [81.76]	2.031 [51.59]	6.83 [173.48]	–	1.781 [45.24]	2.250-16 UN
71	12	12, 12S	10	.350 [8.89]	.625 [15.87]	2	2.110 [53.59]	.858 [21.79]	1.529 [38.84]	4.90 [124.46]	1.112 [28.24]	1.027 [26.09]	1.000-20 UNEF
72	18	18	16	.625 [15.87]	.937 [23.80]	2	2.450 [62.23]	1.218 [30.94]	1.812 [46.02]	5.69 [144.53]	1.468 [37.29]	1.156 [29.36]	1.437-18 UNEF
73	24	24	20	.875 [22.22]	1.250 [31.75]	2	2.500 [63.50]	1.468 [37.29]	1.936 [49.17]	6.13 [155.70]	1.969 [50.01]	1.375 [34.92]	1.750-18 UNS
74	14	14, 14S	4	.125 [3.17]	.312 [7.92]	1	2.000 [50.80]	.984 [24.99]	.688 [17.48]	3.64 [92.46]	–	1.027 [26.09]	.625-24 UNEF
75	16	16, 16S	4	.125 [3.17]	.312 [7.92]	1	2.110 [53.59]	1.112 [28.24]	.781 [19.84]	3.81 [96.77]	–	1.027 [26.09]	.625-24 UNEF

Dimensions in brackets [] are in millimeters.

90° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF09

For **SC30**, **SC50** & **SC70** Series (MIL-DTL-5015 Crimp & MIL-DTL-26482 Series 2)

ORDERING INFORMATION

B049AF09 - 6 N

SERIES PREFIX — **FINISH/MATERIAL**
See Table I below.

DASH NUMBER —
See Dimension Table.

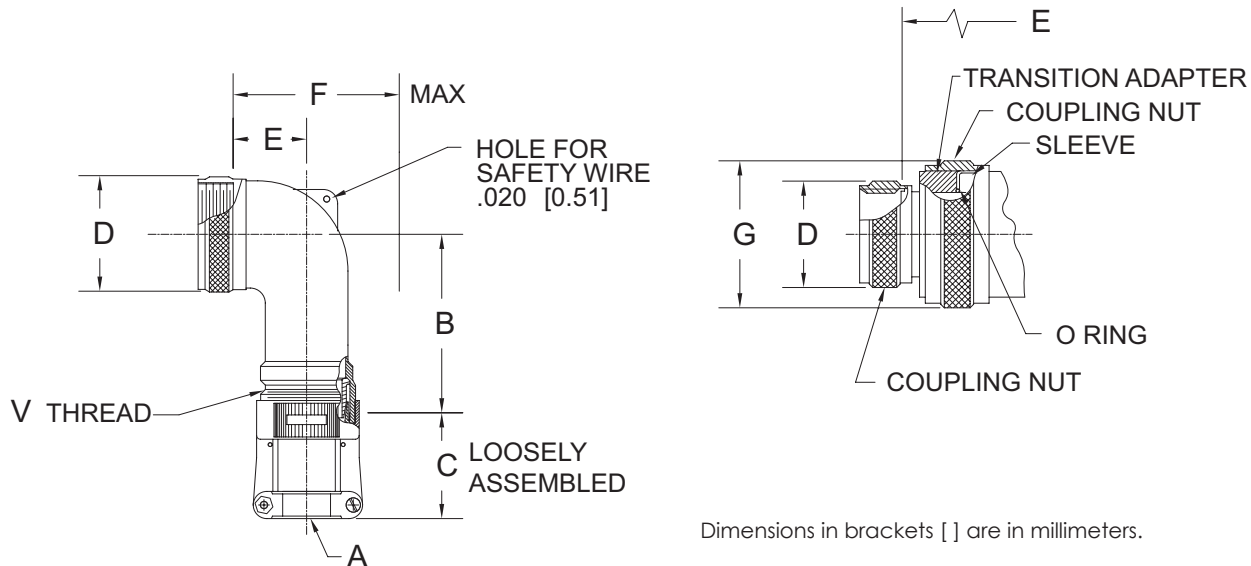


TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	W finish is not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Y	Pure dense electrodeposited aluminum in accordance with MIL-DTL-83488, Type II, to withstand 500 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	Not for use on shield termination type connector accessories.
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
B	Black cadmium - In accordance with AMS-QQ-P-416, Type II, Class 3.	Stainless Steel	-65 to +175 °C	B finish is not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.		-65 to +200 °C	
XS	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
YS	Pure dense electrodeposited aluminum in accordance with MIL-DTL-83488, Type II, to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	Not for use on shield termination type connector accessories.
ZS	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

90° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF09

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA]		STYLE	B ±.062 [±1.57]	C REF.	ØD MAX.	E ±.125 [±3.17]	F MAX	ØG MAX.	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.								
3	8	8S	4	.125 [3.17]	.250 [6.35]	1	1.200 [30.48]	1.027 [26.09]	.617 [15.67]	.541 [13.74]	1.09 [27.69]	—	.625-24 UNEF
4	10	10S, 10SL	4	.125 [3.17]	.312 [7.92]	1	1.920 [48.77]	1.027 [26.09]	.734 [18.64]	.636 [16.15]	1.18 [29.97]	—	.625-24 UNEF
5	10	10S, 10SL	6	.250 [6.35]	.375 [9.52]	1	1.320 [33.53]	1.027 [26.09]	.734 [18.64]	.636 [16.15]	1.27 [32.26]	—	.750-20 UNEF
6	12	12, 12S	4	.125 [3.17]	.312 [7.92]	1	1.940 [49.28]	1.027 [26.09]	.858 [21.79]	.641 [16.28]	1.18 [29.97]	—	.625-24 UNEF
7	12	12, 12S	6	.250 [6.35]	.437 [11.10]	1	1.940 [49.28]	1.027 [26.09]	.858 [21.79]	.641 [16.28]	1.28 [32.51]	—	.750-20 UNEF
8	12	12, 12S	10	.350 [8.89]	.500 [12.70]	1	1.335 [33.91]	1.027 [26.09]	.858 [21.79]	.641 [16.28]	1.37 [34.80]	—	1.000-20 UNEF
9	14	14, 14S	6	.250 [6.35]	.437 [11.10]	1	2.010 [51.05]	1.027 [26.09]	.984 [24.99]	.741 [18.82]	1.38 [35.05]	—	.750-20 UNEF
10	14	14, 14S	10	.350 [8.89]	.575 [14.60]	1	1.655 [42.04]	1.027 [26.09]	.984 [24.99]	.741 [18.82]	1.47 [37.34]	—	1.000-20 UNEF
11	16	16, 16S	6	.250 [6.35]	.437 [11.10]	1	2.100 [53.34]	1.027 [26.09]	1.112 [28.24]	.926 [23.52]	1.59 [40.39]	—	.750-20 UNEF
12	16	16, 16S	12	.500 [12.70]	.700 [17.78]	1	1.745 [44.32]	1.059 [26.90]	1.112 [28.24]	.926 [23.52]	1.77 [44.96]	—	1.187-18 UNEF
13	18	18	10	.350 [8.89]	.625 [15.87]	1	2.270 [57.66]	1.027 [26.09]	1.218 [30.94]	1.016 [25.81]	1.80 [45.72]	—	1.000-20 UNEF
14	18	18	16	.625 [15.87]	.779 [19.79]	1	1.920 [48.77]	1.156 [29.36]	1.218 [30.94]	1.016 [25.81]	1.97 [50.04]	—	1.437-18 UNEF
15	20	20	10	.350 [8.89]	.625 [15.87]	1	2.270 [57.66]	1.027 [26.09]	1.345 [34.16]	1.016 [25.81]	1.80 [45.72]	—	1.000-20 UNEF
16	20	20	16	.625 [15.87]	.904 [22.96]	1	1.920 [48.77]	1.156 [29.36]	1.345 [34.16]	1.016 [25.81]	1.97 [50.04]	—	1.437-18 UNEF
17	22	22	12	.500 [12.70]	.750 [19.05]	1	2.380 [60.45]	1.059 [26.90]	1.468 [37.29]	1.166 [29.62]	2.11 [53.59]	—	1.187-18 UNEF
18	22	22	20	.875 [22.22]	1.029 [26.14]	1	2.025 [51.43]	1.375 [34.92]	1.468 [37.29]	1.166 [29.62]	2.29 [58.17]	—	1.750-18 UNS
19	24	24	12	.500 [12.70]	.750 [19.05]	1	2.380 [60.45]	1.059 [26.90]	1.593 [40.46]	1.166 [29.62]	2.11 [53.59]	—	1.187-18 UNEF
20	24	24	20	.875 [22.22]	1.144 [29.06]	1	2.025 [51.43]	1.375 [34.92]	1.593 [40.46]	1.166 [29.62]	2.29 [58.17]	—	1.750-18 UNS
21	—	28	16	.625 [15.87]	.937 [23.80]	1	2.550 [64.77]	1.156 [29.36]	1.969 [50.01]	1.266 [32.16]	2.33 [59.18]	—	1.437-18 UNEF
22	—	28	24	1.000 [25.40]	1.375 [34.92]	1	2.195 [55.75]	1.500 [38.10]	1.969 [50.01]	1.266 [32.16]	2.51 [63.75]	—	2.000-18 UNS
23	—	32	16	.625 [15.87]	.937 [23.80]	1	2.800 [71.12]	1.156 [29.36]	2.219 [56.36]	1.616 [41.05]	2.81 [71.37]	—	1.437-18 UNEF
24	—	32	20	.875 [22.22]	1.250 [31.75]	1	2.800 [71.12]	1.375 [34.92]	2.219 [56.36]	1.616 [41.05]	2.81 [71.37]	—	1.750-18 UNS
25	—	32	28	1.250 [31.75]	1.625 [41.27]	1	2.445 [62.10]	1.781 [45.24]	2.219 [56.36]	1.616 [41.05]	3.07 [77.98]	—	2.250-16 UN
26	—	36	16	.625 [15.87]	.937 [23.80]	1	2.770 [70.36]	1.156 [29.36]	2.469 [62.71]	1.816 [46.13]	3.13 [79.50]	—	1.437-18 UNEF
27	—	36	24	1.000 [25.40]	1.375 [34.92]	1	2.770 [70.36]	1.500 [38.10]	2.469 [62.71]	1.816 [46.13]	3.13 [79.50]	—	2.000-18 UNS
28	—	36	32	1.437 [36.50]	1.840 [46.74]	1	2.415 [61.34]	1.830 [46.48]	2.469 [62.71]	1.816 [46.13]	3.39 [86.11]	—	2.500-16 UN
29	—	40	16	.625 [15.87]	.937 [23.80]	1	2.770 [70.36]	1.156 [29.36]	2.719 [69.06]	2.566 [65.18]	3.88 [98.55]	—	1.437-18 UNEF
30	—	40	24	1.000 [25.40]	1.375 [34.92]	1	2.770 [70.36]	1.500 [38.10]	2.719 [69.06]	2.566 [65.18]	3.88 [98.55]	—	2.000-18 UNS

Dimensions in brackets [] are in millimeters.

Continued on Next Page

90° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF09

Continued from Previous Page

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA]		STYLE	B ±.062 [±1.57]	C REF.	ØD MAX.	E ±.125 [±3.17]	F MAX	ØG MAX.	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.								
31	–	40	32	1.437 [36.50]	1.875 [47.62]	1	2.415 [61.34]	1.830 [46.48]	2.719 [69.06]	2.566 [65.18]	4.14 [105.16]	–	2.500-16 UN
32	–	44	16	.625 [15.87]	.937 [23.80]	1	2.770 [70.36]	1.156 [29.36]	2.969 [75.41]	2.566 [65.18]	3.88 [98.55]	–	1.437-18 UNEF
33	–	44	24	1.000 [25.40]	1.375 [34.92]	1	2.770 [70.36]	1.500 [38.10]	2.969 [75.41]	2.566 [65.18]	3.88 [98.55]	–	2.000-18 UNS
34	–	44	32	1.437 [36.50]	1.875 [47.62]	1	2.415 [61.34]	1.830 [46.48]	2.969 [75.41]	2.566 [65.18]	4.14 [105.16]	–	2.500-16 UN
35	–	48	16	.625 [15.87]	.937 [23.80]	1	2.770 [70.36]	1.156 [29.36]	3.219 [81.76]	2.566 [65.18]	3.88 [98.55]	–	1.437-18 UNEF
36	–	48	24	1.000 [25.40]	1.375 [34.92]	1	2.770 [70.36]	1.500 [38.10]	3.219 [81.76]	2.566 [65.18]	3.88 [98.55]	–	2.000-18 UNS
37	–	48	32	1.437 [36.50]	1.875 [47.62]	1	2.415 [61.34]	1.830 [46.48]	3.219 [81.76]	2.566 [65.18]	4.14 [105.16]	–	2.500-16 UN
40	16	16, 16S	10	.350 [8.89]	.625 [15.87]	1	2.100 [53.34]	1.027 [26.09]	1.112 [28.24]	.926 [23.52]	1.66 [42.16]	–	1.000-20 UNEF
41	18	18	4	.125 [3.17]	.312 [7.92]	1	2.270 [57.66]	1.027 [26.09]	1.218 [30.94]	1.016 [25.81]	1.80 [45.72]	–	.625-24 UNEF
42	18	18	6	.250 [6.35]	.437 [11.10]	1	2.270 [57.66]	1.027 [26.09]	1.218 [30.94]	1.016 [25.81]	1.80 [45.72]	–	.750-20 UNEF
43	20	20	6	.250 [6.35]	.437 [11.10]	1	2.270 [57.66]	1.027 [26.09]	1.345 [34.16]	1.016 [25.81]	1.80 [45.72]	–	.750-20 UNEF
44	22	22	4	.125 [3.17]	.312 [7.92]	1	2.380 [60.45]	1.027 [26.09]	1.468 [37.29]	1.166 [29.62]	2.11 [53.59]	–	.625-24 UNEF
45	22	22	6	.250 [6.35]	.437 [11.10]	1	2.380 [60.45]	1.027 [26.09]	1.468 [37.29]	1.166 [29.62]	2.11 [53.59]	–	.750-20 UNEF
46	24	24	10	.350 [8.89]	.625 [15.87]	1	2.380 [60.45]	1.027 [26.09]	1.593 [40.46]	1.166 [29.62]	2.11 [53.59]	–	1.000-20 UNEF
47	–	36	12	.500 [12.70]	.750 [19.05]	1	2.770 [70.36]	1.059 [26.90]	2.469 [62.71]	1.816 [46.13]	3.13 [79.50]	–	1.187-18 UNEF
48	–	40	12	.500 [12.70]	.750 [19.05]	1	2.770 [70.36]	1.059 [26.90]	2.719 [69.06]	1.816 [46.13]	3.88 [98.55]	–	1.187-18 UNEF
49	10	10S, 10SL	6	.250 [6.35]	.437 [11.10]	2	1.940 [49.28]	1.027 [26.09]	.734 [18.64]	1.391 [35.33]	2.03 [51.56]	.858 [21.79]	.750-20 UNEF
50	14	14, 14S	12	.500 [12.70]	.750 [19.05]	2	2.270 [57.66]	1.059 [26.90]	.984 [24.99]	1.766 [44.86]	2.61 [66.29]	1.218 [30.94]	1.187-18 UNEF
51	16	16, 16S	16	.625 [15.87]	.937 [23.80]	2	2.380 [60.45]	1.156 [29.36]	1.112 [28.24]	1.916 [48.67]	2.87 [72.90]	1.468 [37.29]	1.437-18 UNEF
52	18	18	12	.500 [12.70]	.750 [19.05]	1	2.270 [57.66]	1.059 [26.90]	1.218 [30.94]	1.016 [25.81]	1.86 [47.24]	–	1.188-18 UNEF
54	20	20	12	.500 [12.70]	.750 [19.05]	1	2.270 [57.66]	1.059 [26.90]	1.345 [34.16]	1.016 [25.81]	1.86 [47.24]	–	1.188-18 UNEF
55	20	20	20	.875 [22.22]	1.250 [31.75]	2	2.550 [64.77]	1.375 [34.92]	1.345 [34.16]	2.016 [51.21]	3.14 [79.76]	1.969 [50.01]	1.750-16 UNS
56	22	22	10	.350 [8.89]	.625 [15.87]	1	2.380 [60.45]	1.027 [26.09]	1.468 [37.29]	1.166 [29.62]	2.11 [53.59]	–	1.000-20 UNEF
57	22	22	16	.625 [15.87]	.937 [23.80]	1	2.380 [60.45]	1.156 [29.36]	1.468 [37.29]	1.166 [29.62]	2.12 [53.85]	–	1.437-18 UNEF
58	22	22	20	.875 [22.22]	1.250 [31.75]	2	2.550 [64.77]	1.375 [34.92]	1.468 [37.29]	2.016 [51.21]	3.14 [79.76]	1.969 [50.01]	1.750-18 UNS
59	24	24	16	.625 [15.87]	.937 [23.80]	1	2.380 [60.45]	1.156 [29.36]	2.093 [53.16]	1.166 [29.62]	2.14 [54.36]	–	1.437-18 UNEF
60	–	28	12	.500 [12.70]	.750 [19.05]	1	2.550 [64.77]	1.059 [26.90]	1.969 [50.01]	1.266 [32.16]	2.33 [59.18]	–	1.188-18 UNEF

Dimensions in brackets [] are in millimeters.

Continued on Next Page

90° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF09

Continued from Previous Page

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA]		STYLE	B $\pm.062$ $[\pm1.57]$	C REF.	ØD MAX.	E $\pm.125$ $[\pm3.17]$	F MAX	ØG MAX.	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.								
61	–	28	20	.875 [22.22]	1.250 [31.75]	1	2.550 [64.77]	1.375 [34.92]	1.969 [50.01]	1.266 [32.16]	2.39 [60.71]	–	1.750-18 UNS
62	–	32	24	1.000 [25.40]	1.375 [34.92]	1	2.800 [71.12]	1.500 [38.10]	2.219 [56.36]	1.616 [41.05]	2.86 [72.64]	–	2.000-18 UNS
63	–	36	20	.875 [22.22]	1.250 [31.75]	1	2.770 [70.36]	1.375 [34.92]	2.469 [62.71]	1.816 [46.13]	3.13 [79.50]	–	1.750-18 UNS
64	–	36	28	1.250 [31.75]	1.625 [41.27]	1	2.770 [70.36]	1.781 [45.24]	2.469 [62.71]	1.816 [46.13]	3.27 [83.06]	–	2.250-16 UN
65	–	40	20	.875 [22.22]	1.250 [31.75]	1	2.770 [70.36]	1.375 [34.92]	2.719 [69.06]	2.566 [65.18]	3.88 [98.55]	–	1.750-18 UNS
66	–	40	28	1.250 [31.75]	1.625 [41.27]	1	2.770 [70.36]	1.781 [45.24]	2.719 [69.06]	2.566 [65.18]	4.02 [102.11]	–	2.250-16 UN
67	–	44	20	.875 [22.22]	1.250 [31.75]	1	2.770 [70.36]	1.375 [34.92]	2.969 [75.41]	2.566 [65.18]	3.88 [98.55]	–	1.750-18 UNS
68	–	44	28	1.250 [31.75]	1.625 [41.27]	1	2.770 [70.36]	1.781 [45.24]	2.969 [75.41]	2.566 [65.18]	4.02 [102.11]	–	2.250-16 UN
69	–	48	20	.875 [22.22]	1.250 [31.75]	1	2.770 [70.36]	1.375 [34.92]	3.219 [81.76]	2.566 [65.18]	3.88 [98.55]	–	1.750-18 UNS
70	–	48	28	1.250 [31.75]	1.625 [41.27]	1	2.770 [70.36]	1.781 [45.24]	3.219 [81.76]	2.566 [65.18]	4.02 [102.11]	–	2.250-16 UN
71	12	12, 12S	10	.350 [8.89]	.625 [15.87]	2	2.100 [53.34]	1.027 [26.09]	.858 [21.79]	1.686 [42.82]	2.42 [61.47]	1.112 [28.24]	1.000-20 UNEF
72	18	18	16	.625 [15.87]	.937 [23.80]	2	2.380 [60.45]	1.156 [29.36]	1.218 [30.94]	1.926 [48.92]	2.88 [73.15]	1.468 [37.29]	1.437-18 UNEF
73	24	24	20	.875 [22.22]	1.250 [31.75]	2	2.550 [64.77]	1.375 [34.92]	1.468 [37.29]	2.026 [51.46]	3.15 [80.01]	1.969 [50.01]	1.750-18 UNS
74	14	14, 14S	4	.125 [3.17]	.312 [7.92]	1	2.010 [51.05]	1.027 [26.09]	.984 [24.99]	.741 [18.82]	1.31 [33.27]	–	.625-24 UNEF
75	16	16, 16S	4	.125 [3.17]	.312 [7.92]	1	2.100 [53.34]	1.027 [26.09]	1.112 [28.24]	.926 [23.52]	1.59 [40.39]	–	.625-24 UNEF

Dimensions in brackets [] are in millimeters.

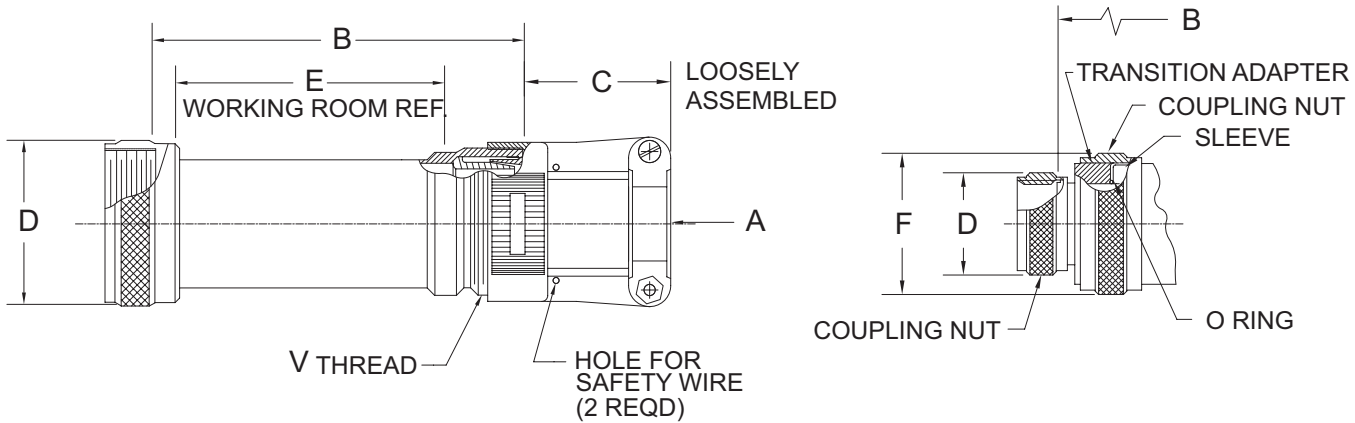
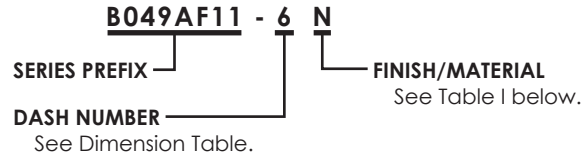
2D

STRAIGHT ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF11

For **SC30**, **SC50** & **SC70** Series (MIL-DTL-5015 Crimp & MIL-DTL-26482 Series 2)

ORDERING INFORMATION



Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	W finish is not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Y	Pure dense electrodeposited aluminum in accordance with MIL-DTL-83488, Type II, to withstand 500 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	Not for use on shield termination type connector accessories.
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
B	Black cadmium - In accordance with AMS-QQ-P-416, Type II, Class 3.	Stainless Steel	-65 to +175 °C	B finish is not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.		-65 to +200 °C	
XS	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
YS	Pure dense electrodeposited aluminum in accordance with MIL-DTL-83488, Type II, to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	Not for use on shield termination type connector accessories.
ZS	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

STRAIGHT ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF11

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA]		STYLE	B $\pm .125$ $[\pm 3.17]$	C REF.	ØD MAX.	E $\pm .125$ $[\pm 3.17]$	F MAX	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.							
5	8	8S	4	.125 [3.17]	.250 [6.35]	1	2.00 [50.80]	1.027 [26.09]	.617 [15.67]	1.06 [26.92]	—	.625-24 UNEF
6	8	8S	4	.125 [3.17]	.250 [6.35]	1	3.00 [76.20]	1.027 [26.09]	.617 [15.67]	2.06 [52.32]	—	.625-24 UNEF
7	8	8S	6	.250 [6.35]	.437 [11.10]	2	2.75 [69.85]	1.027 [26.09]	.617 [15.67]	1.81 [45.97]	.858 [21.79]	.750-20 UNEF
8	8	8S	6	.250 [6.35]	.437 [11.10]	2	3.75 [95.25]	1.027 [26.09]	.617 [15.67]	2.81 [71.37]	.858 [21.79]	.750-20 UNEF
9	10	10S, 10SL	4	.125 [3.17]	.312 [7.92]	1	2.00 [50.80]	1.027 [26.09]	.734 [18.64]	1.06 [26.92]	—	.625-24 UNEF
10	10	10S, 10SL	4	.125 [3.17]	.312 [7.92]	1	3.00 [76.20]	1.027 [26.09]	.734 [18.64]	2.06 [52.32]	—	.625-24 UNEF
11	10	10S, 10SL	6	.250 [6.35]	.437 [11.10]	2	2.75 [69.85]	1.027 [26.09]	.734 [18.64]	1.81 [45.97]	.858 [21.79]	.750-20 UNEF
12	10	10, 10SL	6	.250 [6.35]	.437 [11.10]	2	3.75 [95.25]	1.027 [26.09]	.734 [18.64]	2.81 [71.37]	.858 [21.79]	.750-20 UNEF
13	12	12, 12S	6	.250 [6.35]	.437 [11.10]	1	2.00 [50.80]	1.027 [26.09]	.858 [21.79]	1.06 [26.92]	—	.750-20 UNEF
14	12	12, 12S	6	.250 [6.35]	.437 [11.10]	1	3.00 [76.20]	1.027 [26.09]	.858 [21.79]	2.06 [52.32]	—	.750-20 UNEF
15	12	12, 12S	10	.350 [8.89]	.625 [15.87]	2	2.75 [69.85]	1.027 [26.09]	.858 [21.79]	1.67 [42.42]	1.112 [28.24]	1.000-20 UNEF
16	12	12, 12S	10	.350 [8.89]	.625 [15.87]	2	3.75 [95.25]	1.027 [26.09]	.858 [21.79]	2.67 [67.82]	1.112 [28.24]	1.000-20 UNEF
17	14	14, 14S	10	.350 [8.89]	.575 [14.60]	1	2.00 [50.80]	1.027 [26.09]	.984 [24.99]	.92 [23.37]	—	1.000-20 UNEF
18	14	14, 14S	10	.350 [8.89]	.575 [14.60]	1	3.00 [76.20]	1.027 [26.09]	.984 [24.99]	1.92 [48.77]	—	1.000-20 UNEF
19	14	14, 14S	12	.500 [12.70]	.750 [19.05]	2	2.75 [69.85]	1.059 [26.90]	.984 [24.99]	1.67 [42.42]	1.112 [28.24]	1.187-18 UNEF
20	14	14, 14S	12	.500 [12.70]	.750 [19.05]	2	3.75 [95.25]	1.059 [26.90]	.984 [24.99]	2.67 [67.82]	1.112 [28.24]	1.187-18 UNEF
21	16	16, 16S	12	.500 [12.70]	.700 [17.78]	1	2.00 [50.80]	1.059 [26.90]	1.112 [28.24]	.92 [23.37]	—	1.187-18 UNEF
22	16	16, 16S	12	.500 [12.70]	.700 [17.78]	1	3.00 [76.20]	1.059 [26.90]	1.112 [28.24]	1.92 [48.77]	—	1.187-18 UNEF
23	16	16, 16S	16	.625 [15.87]	.937 [23.80]	2	2.75 [69.85]	1.156 [29.36]	1.112 [28.24]	1.67 [42.42]	1.468 [37.29]	1.437-18 UNEF
24	16	16, 16S	16	.625 [15.87]	.937 [23.80]	2	3.75 [95.25]	1.156 [29.36]	1.112 [28.24]	2.67 [67.82]	1.468 [37.29]	1.437-18 UNEF
25	18	18	10	.350 [8.89]	.625 [15.87]	1	2.00 [50.80]	1.027 [26.09]	1.218 [30.94]	.92 [23.37]	—	1.000-20 UNEF
26	18	18	10	.350 [8.89]	.625 [15.87]	1	3.00 [76.20]	1.027 [26.09]	1.218 [30.94]	1.92 [48.77]	—	1.000-20 UNEF
27	18	18	12	.500 [12.70]	.750 [19.05]	1	2.00 [50.80]	1.059 [26.90]	1.218 [30.94]	.92 [23.37]	—	1.187-18 UNEF
28	18	18	12	.500 [12.70]	.750 [19.05]	1	3.00 [76.20]	1.059 [26.90]	1.218 [30.94]	1.92 [48.77]	—	1.187-18 UNEF
29	18	18	16	.625 [15.87]	.937 [23.80]	2	2.75 [69.85]	1.156 [29.36]	1.218 [30.94]	1.67 [42.42]	1.468 [37.29]	1.437-18 UNEF
30	18	18	16	.625 [15.87]	.937 [23.80]	2	3.75 [95.25]	1.156 [29.36]	1.218 [30.94]	2.67 [67.82]	1.468 [37.29]	1.437-18 UNEF
31	20	20	10	.350 [8.89]	.625 [15.87]	1	3.00 [76.20]	1.027 [26.09]	1.345 [34.16]	1.92 [48.77]	—	1.000-20 UNEF

Dimensions in brackets [] are in millimeters.

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STRAIGHT ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

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DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA]		STYLE	B ±.125 [±3.17]	C REF.	ØD MAX.	E ±.125 [±3.17]	F MAX	V THREAD CLASS 2A
	MIL-DTL- 26482 SERIES 2	MIL-DTL- 5015 CRIMP		MIN.	MAX.							
32	20	20	10	.350 [8.89]	.625 [15.87]	1	4.00 [101.60]	1.027 [26.09]	1.345 [34.16]	2.92 [74.17]	–	1.000-20 UNEF
33	20	20	12	.500 [12.70]	.750 [19.05]	1	3.00 [76.20]	1.059 [26.90]	1.345 [34.16]	1.92 [48.77]	–	1.187-18 UNEF
34	20	20	12	.500 [12.70]	.750 [19.05]	1	4.00 [101.60]	1.059 [26.90]	1.345 [34.16]	2.92 [74.17]	–	1.187-18 UNEF
35	20	20	16	.625 [15.87]	.937 [23.80]	2	3.75 [95.25]	1.156 [29.36]	1.345 [34.16]	2.67 [67.82]	1.468 [37.29]	1.437-18 UNEF
36	20	20	16	.625 [15.87]	.937 [23.80]	2	4.75 [120.65]	1.156 [29.36]	1.345 [34.16]	3.67 [93.22]	1.468 [37.29]	1.437-18 UNEF
37	20	20	20	.875 [22.22]	1.250 [31.75]	2	3.75 [95.25]	1.375 [34.92]	1.345 [34.16]	2.67 [67.82]	1.969 [50.01]	1.750-18 UNS
38	20	20	20	.875 [22.22]	1.250 [31.75]	2	4.75 [120.65]	1.375 [34.92]	1.345 [34.16]	3.67 [93.22]	1.969 [50.01]	1.750-18 UNS
39	22	22	10	.350 [8.89]	.625 [15.87]	1	3.00 [76.20]	1.027 [26.09]	1.468 [37.29]	1.92 [48.77]	–	1.000-20 UNEF
40	22	22	10	.350 [8.89]	.625 [15.87]	1	4.00 [101.60]	1.027 [26.09]	1.468 [37.29]	2.92 [74.17]	–	1.000-20 UNEF
41	22	22	12	.500 [12.70]	.750 [19.05]	1	3.00 [76.20]	1.059 [26.90]	1.468 [37.29]	1.92 [48.77]	–	1.187-18 UNEF
42	22	22	12	.500 [12.70]	.750 [19.05]	1	4.00 [101.60]	1.059 [26.90]	1.468 [37.29]	2.92 [74.17]	–	1.187-18 UNEF
43	22	22	16	.625 [15.87]	.937 [23.80]	1	3.00 [76.20]	1.156 [29.36]	1.468 [37.29]	1.92 [48.77]	–	1.437-18 UNEF
44	22	22	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	1.156 [29.36]	1.468 [37.29]	2.92 [74.17]	–	1.437-18 UNEF
45	22	22	20	.875 [22.22]	1.250 [31.75]	2	3.75 [95.25]	1.375 [34.92]	1.468 [37.29]	2.67 [67.82]	1.969 [50.01]	1.750-18 UNS
46	22	22	20	.875 [22.22]	1.250 [31.75]	2	4.75 [120.65]	1.375 [34.92]	1.468 [37.29]	3.67 [93.22]	1.969 [50.01]	1.750-18 UNS
47	24	24	12	.500 [12.70]	.750 [19.05]	1	3.00 [76.20]	1.059 [26.90]	1.593 [40.46]	1.92 [48.77]	–	1.187-18 UNEF
48	24	24	12	.500 [12.70]	.750 [19.05]	1	4.00 [101.60]	1.059 [26.90]	1.593 [40.46]	2.92 [74.17]	–	1.187-18 UNEF
49	24	24	16	.625 [15.87]	.812 [20.62]	1	3.00 [76.20]	1.156 [29.36]	1.593 [40.46]	1.92 [48.77]	–	1.437-18 UNEF
50	24	24	16	.625 [15.87]	.812 [20.62]	1	4.00 [101.60]	1.156 [29.36]	1.593 [40.46]	2.92 [74.17]	–	1.437-18 UNEF
51	24	24	16	.625 [15.87]	.937 [23.80]	1	3.00 [76.20]	1.156 [29.36]	1.593 [40.46]	1.92 [48.77]	–	1.437-18 UNEF
52	24	24	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	1.156 [29.36]	1.593 [40.46]	2.92 [74.17]	–	1.437-18 UNEF
53	24	24	20	.875 [22.22]	1.250 [31.75]	2	3.75 [95.25]	1.375 [34.92]	1.593 [40.46]	2.67 [67.82]	1.969 [50.01]	1.750-18 UNS
54	24	24	20	.875 [22.22]	1.250 [31.75]	2	4.75 [120.65]	1.375 [34.92]	1.593 [40.46]	3.67 [93.22]	1.969 [50.01]	1.750-18 UNS
55	–	28	12	.500 [12.70]	.750 [19.05]	1	3.00 [76.20]	1.059 [26.90]	1.969 [50.01]	1.92 [48.77]	–	1.187-18 UNEF
56	–	28	12	.500 [12.70]	.750 [19.05]	1	4.00 [101.60]	1.059 [26.90]	1.969 [50.01]	2.92 [74.17]	–	1.187-18 UNEF
57	–	28	16	.625 [15.87]	.937 [23.80]	1	3.00 [76.20]	1.156 [29.36]	1.969 [50.01]	1.92 [48.77]	–	1.437-18 UNEF
58	–	28	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	1.156 [29.36]	1.969 [50.01]	2.92 [74.17]	–	1.437-18 UNEF
59	–	28	20	.875 [22.22]	1.250 [31.75]	1	3.00 [76.20]	1.375 [34.92]	1.969 [50.01]	1.92 [48.77]	–	1.750-18 UNS
60	–	28	20	.875 [22.22]	1.250 [31.75]	1	4.00 [101.60]	1.375 [34.92]	1.969 [50.01]	2.92 [74.17]	–	1.750-18 UNS
61	–	28	24	1.000 [25.40]	1.375 [34.92]	1	3.00 [76.20]	1.500 [38.10]	1.969 [50.01]	1.92 [48.77]	–	2.000-18 UNS
62	–	28	24	1.000 [25.40]	1.375 [34.92]	1	4.00 [101.60]	1.500 [38.10]	1.969 [50.01]	2.92 [74.17]	–	2.000-18 UNS

Dimensions in brackets [] are in millimeters.

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STRAIGHT ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

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DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA]		STYLE	B ±.125 [±3.17]	C REF.	ØD MAX.	E ±.125 [±3.17]	F MAX	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.							
63	-	32	16	.625 [15.87]	.937 [23.80]	1	3.00 [76.20]	1.156 [29.36]	2.219 [56.36]	1.92 [48.77]	-	1.437-18 UNEF
64	-	32	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	1.156 [29.36]	2.219 [56.36]	2.92 [74.17]	-	1.437-18 UNEF
65	-	32	20	.875 [22.22]	1.250 [31.75]	1	3.00 [76.20]	1.375 [34.92]	2.219 [56.36]	1.92 [48.77]	-	1.750-18 UNS
66	-	32	20	.875 [22.22]	1.250 [31.75]	1	4.00 [101.60]	1.375 [34.92]	2.219 [56.36]	2.92 [74.17]	-	1.750-18 UNS
67	-	32	24	1.000 [25.40]	1.375 [34.92]	1	3.00 [76.20]	1.500 [38.10]	2.219 [56.36]	1.92 [48.77]	-	2.000-18 UNEF
68	-	32	24	1.000 [25.40]	1.375 [34.92]	1	4.00 [101.60]	1.500 [38.10]	2.219 [56.36]	2.92 [74.17]	-	2.000-18 UNEF
69	-	32	28	1.250 [31.75]	1.625 [41.27]	1	3.00 [76.20]	1.781 [45.24]	2.219 [56.36]	1.92 [48.77]	-	2.250-16 UN
70	-	32	28	1.250 [31.75]	1.625 [41.27]	1	4.00 [101.60]	1.781 [45.24]	2.219 [56.36]	2.92 [74.17]	-	2.250-16 UN
71	-	36	20	.875 [22.22]	1.250 [31.75]	1	4.00 [101.60]	1.375 [34.92]	2.469 [62.71]	2.92 [74.17]	-	1.750-18 UNS
72	-	36	20	.875 [22.22]	1.250 [31.75]	1	5.00 [127.00]	1.375 [34.92]	2.469 [62.71]	3.92 [99.57]	-	1.750-18 UNS
73	-	36	24	1.000 [25.40]	1.375 [34.92]	1	4.00 [101.60]	1.500 [38.10]	2.469 [62.71]	2.92 [74.17]	-	2.000-18 UNS
74	-	36	24	1.000 [25.40]	1.375 [34.92]	1	5.00 [127.00]	1.500 [38.10]	2.469 [62.71]	3.92 [99.57]	-	2.000-18 UNS
75	-	36	28	1.250 [31.75]	1.625 [41.27]	1	4.00 [101.60]	1.781 [45.24]	2.469 [62.71]	2.92 [74.17]	-	2.250-16 UN
76	-	36	28	1.250 [31.75]	1.625 [41.27]	1	5.00 [127.00]	1.781 [45.24]	2.469 [62.71]	3.92 [99.57]	-	2.250-16 UN
77	-	36	32	1.437 [36.50]	1.875 [47.62]	2	4.88 [123.95]	1.830 [46.48]	2.469 [62.71]	3.80 [96.52]	2.719 [69.06]	2.500-16 UN
78	-	36	32	1.437 [36.50]	1.875 [47.62]	2	5.88 [149.35]	1.830 [46.48]	2.469 [62.71]	4.80 [121.92]	2.719 [69.06]	2.500-16 UN
79	-	40	20	.875 [22.22]	1.250 [31.75]	1	4.00 [101.60]	1.375 [34.92]	2.719 [69.06]	2.92 [74.17]	-	1.750-18 UNS
80	-	40	20	.875 [22.22]	1.250 [31.75]	1	5.00 [127.00]	1.375 [34.92]	2.719 [69.06]	3.92 [99.57]	-	1.750-18 UNS
81	-	40	24	1.000 [25.40]	1.375 [34.92]	1	4.00 [101.60]	1.500 [38.10]	2.719 [69.06]	2.92 [74.17]	-	2.000-18 UNS
82	-	40	24	1.000 [25.40]	1.375 [34.92]	1	5.00 [127.00]	1.500 [38.10]	2.719 [69.06]	3.92 [99.57]	-	2.000-18 UNS
83	-	40	28	1.250 [31.75]	1.625 [41.27]	1	4.00 [101.60]	1.781 [45.24]	2.719 [69.06]	2.92 [74.17]	-	2.250-16 UN
84	-	40	28	1.250 [31.75]	1.625 [41.27]	1	5.00 [127.00]	1.781 [45.24]	2.719 [69.06]	3.92 [99.57]	-	2.250-16 UN
85	-	40	32	1.437 [36.50]	1.875 [47.62]	1	4.00 [101.60]	1.830 [46.48]	2.719 [69.06]	2.92 [74.17]	-	2.500-16 UN
86	-	40	32	1.437 [36.50]	1.875 [47.62]	1	5.00 [127.00]	1.830 [46.48]	2.719 [69.06]	3.92 [99.57]	-	2.500-16 UN
87	-	44	20	.875 [22.22]	1.250 [31.75]	1	4.00 [101.60]	1.375 [34.92]	2.969 [75.41]	2.92 [74.17]	-	1.750-18 UNS
88	-	44	20	.875 [22.22]	1.250 [31.75]	1	5.00 [127.00]	1.375 [34.92]	2.969 [75.41]	3.92 [99.57]	-	1.750-18 UNS
89	-	44	24	1.000 [25.40]	1.375 [34.92]	1	4.00 [101.60]	1.500 [38.10]	2.969 [75.41]	2.92 [74.17]	-	2.000-18 UNS
90	-	44	24	1.000 [25.40]	1.375 [34.92]	1	5.00 [127.00]	1.500 [38.10]	2.969 [75.41]	3.92 [99.57]	-	2.000-18 UNS
91	-	44	28	1.250 [31.75]	1.625 [41.27]	1	4.00 [101.60]	1.781 [45.24]	2.969 [75.41]	2.92 [74.17]	-	2.250-16 UN
92	-	44	28	1.250 [31.75]	1.625 [41.27]	1	5.00 [127.00]	1.781 [45.24]	2.969 [75.41]	3.92 [99.57]	-	2.250-16 UN
93	-	44	32	1.437 [36.50]	1.875 [47.62]	1	4.00 [101.60]	1.830 [46.48]	2.969 [75.41]	2.92 [74.17]	-	2.500-16 UN

Dimensions in brackets [] are in millimeters.

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STRAIGHT ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

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DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA]		STYLE	B ±.125 [±3.17]	C REF.	ØD MAX.	E ±.125 [±3.17]	F MAX	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.							
94	–	44	32	1.437 [36.50]	1.875 [47.62]	1	5.00 [127.00]	1.830 [46.48]	2.969 [75.41]	3.92 [99.57]	–	2.500-16 UN
95	–	48	20	.875 [22.22]	1.250 [31.75]	1	4.00 [101.60]	1.375 [34.92]	3.219 [81.76]	2.92 [74.17]	–	1.750-18 UNS
96	–	48	20	.875 [22.22]	1.250 [31.75]	1	5.00 [127.00]	1.375 [34.92]	3.219 [81.76]	3.92 [99.57]	–	1.750-18 UNS
97	–	48	24	1.000 [25.40]	1.375 [34.92]	1	4.00 [101.60]	1.500 [38.10]	3.219 [81.76]	2.92 [74.17]	–	2.000-18 UNS
98	–	48	24	1.000 [25.40]	1.375 [34.92]	1	5.00 [127.00]	1.500 [38.10]	3.219 [81.76]	3.92 [99.57]	–	2.000-18 UNS
99	–	48	28	1.250 [31.75]	1.625 [41.27]	1	4.00 [101.60]	1.781 [45.24]	3.219 [81.76]	2.92 [74.17]	–	2.250-16 UN
100	–	48	28	1.250 [31.75]	1.625 [41.27]	1	5.00 [127.00]	1.781 [45.24]	3.219 [81.76]	3.92 [99.57]	–	2.250-16 UN
101	–	48	32	1.437 [36.50]	1.875 [47.62]	1	4.00 [101.60]	1.830 [46.48]	3.219 [81.76]	2.92 [74.17]	–	2.500-16 UN
102	–	48	32	1.437 [36.50]	1.875 [47.62]	1	5.00 [127.00]	1.830 [46.48]	3.219 [81.76]	3.92 [99.57]	–	2.500-16 UN
111	12	12, 12S	10	.350 [8.89]	.500 [12.70]	1	2.00 [50.80]	1.027 [26.09]	.858 [21.79]	1.00 [25.40]	–	1.000-20 UNEF
112	16	16, 16S	6	.250 [6.35]	.437 [11.10]	1	2.00 [50.80]	1.027 [26.09]	1.112 [28.24]	1.00 [25.40]	–	.750-20 UNEF
113	16	16, 16S	6	.250 [6.35]	.437 [11.10]	1	3.00 [76.20]	1.027 [26.09]	1.112 [28.24]	2.00 [50.80]	–	.750-20 UNEF
114	12	12, 12S	4	.125 [3.17]	.312 [7.92]	1	2.00 [50.80]	1.027 [26.09]	.858 [21.79]	1.00 [25.40]	–	.625-24 UNEF
115	12	12, 12S	4	.125 [3.17]	.312 [7.92]	1	3.00 [76.20]	1.027 [26.09]	.858 [21.79]	2.00 [50.80]	–	.625-24 UNEF
116	14	14, 14S	6	.250 [6.35]	.437 [11.10]	1	2.00 [50.80]	1.027 [26.09]	.984 [24.99]	1.00 [25.40]	–	.750-20 UNEF
117	14	14S, 14S	6	.250 [6.35]	.437 [11.10]	1	3.00 [76.20]	1.027 [26.09]	.984 [24.99]	2.00 [50.80]	–	.750-20 UNEF
118	16	16, 16S	10	.350 [8.89]	.625 [15.87]	1	2.00 [50.80]	1.027 [26.09]	1.112 [28.24]	.92 [23.37]	–	1.000-20 UNEF
119	16	16, 16S	10	.350 [8.89]	.625 [15.87]	1	3.00 [76.20]	1.027 [26.09]	1.112 [28.24]	1.92 [48.77]	–	1.000-20 UNEF
120	18	18	4	.125 [3.17]	.312 [7.92]	1	2.00 [50.80]	1.027 [26.09]	1.218 [30.94]	.92 [23.37]	–	.625-24 UNEF
121	18	18	4	.125 [3.17]	.312 [7.92]	1	3.00 [76.20]	1.027 [26.09]	1.218 [30.94]	1.92 [48.77]	–	.625-24 UNEF
122	18	18	6	.250 [6.35]	.437 [11.10]	1	2.00 [50.80]	1.027 [26.09]	1.218 [30.94]	.92 [23.37]	–	.750-20 UNEF
123	18	18	6	.250 [6.35]	.437 [11.10]	1	3.00 [76.20]	1.027 [26.09]	1.218 [30.94]	1.92 [48.77]	–	.750-20 UNEF
124	20	20	6	.250 [6.35]	.437 [11.10]	1	3.00 [76.20]	1.027 [26.09]	1.345 [34.16]	1.92 [48.77]	–	.750-20 UNEF
125	20	20	6	.250 [6.35]	.437 [11.10]	1	4.00 [101.60]	1.027 [26.09]	1.345 [34.16]	2.92 [74.17]	–	.750-20 UNEF
126	22	22	4	.125 [3.17]	.312 [7.92]	1	3.00 [76.20]	1.027 [26.09]	1.468 [37.29]	1.92 [48.77]	–	.625-24 UNEF
127	22	22	4	.125 [3.17]	.312 [7.92]	1	4.00 [101.60]	1.027 [26.09]	1.468 [37.29]	2.92 [74.17]	–	.625-24 UNEF
128	22	22	6	.250 [6.35]	.437 [11.10]	1	3.00 [76.20]	1.027 [26.09]	1.468 [37.29]	1.92 [48.77]	–	.750-20 UNEF
129	22	22	6	.250 [6.35]	.437 [11.10]	1	4.00 [101.60]	1.027 [26.09]	1.468 [37.29]	2.92 [74.17]	–	.750-20 UNEF
130	24	24	10	.350 [8.89]	.625 [15.87]	1	3.00 [76.20]	1.027 [26.09]	1.593 [40.46]	1.92 [48.77]	–	1.000-20 UNEF
131	24	24	10	.350 [8.89]	.625 [15.87]	1	4.00 [101.60]	1.027 [26.09]	1.593 [40.46]	2.92 [74.17]	–	1.000-20 UNEF

Dimensions in brackets [] are in millimeters.

Continued on Next Page

STRAIGHT ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF11

Continued from Previous Page

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA]		STYLE	B ±.125 [±3.17]	C REF.	ØD MAX.	E ±.125 [±3.17]	F MAX	V THREAD CLASS 2A
	MIL-DTL- 26482 SERIES 2	MIL-DTL- 5015 CRIMP		MIN.	MAX.							
132	–	36	12	.500 [12.70]	.750 [19.05]	1	4.00 [101.60]	1.059 [26.90]	2.469 [62.71]	2.92 [74.17]	–	1.187-18 UNEF
133	–	36	12	.500 [12.70]	.750 [19.05]	1	5.00 [127.00]	1.059 [26.90]	2.469 [62.71]	3.92 [99.57]	–	1.187-18 UNEF
134	–	40	12	.500 [12.70]	.750 [19.05]	1	4.00 [101.60]	1.059 [26.90]	2.719 [69.06]	2.92 [74.17]	–	1.187-18 UNEF
135	–	40	12	.500 [12.70]	.750 [19.05]	1	5.00 [127.00]	1.059 [26.90]	2.719 [69.06]	3.92 [99.57]	–	1.187-18 UNEF
136	10	10S, 10SL	6	.250 [6.35]	.375 [9.52]	1	2.00 [50.80]	1.027 [26.09]	.734 [18.64]	1.06 [26.92]	–	.750-20 UNEF
137	10	10S, 10SL	6	.250 [6.35]	.375 [9.52]	1	3.00 [76.20]	1.027 [26.09]	.734 [18.64]	2.06 [52.32]	–	.750-20 UNEF
138	12	12, 12S	10	.350 [8.89]	.500 [12.70]	1	2.00 [50.80]	1.027 [26.09]	.858 [21.79]	1.06 [26.92]	–	1.000-20 UNEF
139	12	12, 12S	10	.350 [8.89]	.500 [12.70]	1	3.00 [76.20]	1.027 [26.09]	.858 [21.79]	2.06 [52.32]	–	1.000-20 UNEF
140	20	20	16	.625 [15.87]	.904 [22.96]	1	3.00 [76.20]	1.156 [29.36]	1.345 [34.16]	1.92 [48.77]	–	1.437-18 UNEF
141	20	20	16	.625 [15.87]	.904 [22.96]	1	4.00 [101.60]	1.156 [29.36]	1.345 [34.16]	2.92 [74.17]	–	1.437-20 UNEF
142	22	22	20	.875 [22.22]	1.029 [26.14]	1	3.00 [76.20]	1.375 [34.92]	1.468 [37.29]	1.92 [48.77]	–	1.750-18 UNEF
143	22	22	20	.875 [22.22]	1.029 [26.14]	1	4.00 [101.60]	1.375 [34.92]	1.468 [37.29]	2.92 [74.17]	–	1.750-18 UNEF
144	24	24	20	.875 [22.22]	1.144 [29.06]	1	3.00 [76.20]	1.375 [34.92]	1.593 [40.46]	1.92 [48.77]	–	1.750-18 UNEF
145	24	24	20	.875 [22.22]	1.144 [29.06]	1	4.00 [101.60]	1.375 [34.92]	1.593 [40.46]	2.92 [74.17]	–	1.750-18 UNEF
146	–	36	32	1.437 [36.50]	1.840 [46.74]	1	4.00 [101.60]	1.830 [46.48]	2.469 [62.71]	2.92 [74.17]	–	2.500-16 UNEF
147	–	36	32	1.437 [36.50]	1.840 [46.74]	1	5.00 [127.00]	1.830 [46.48]	2.469 [62.71]	3.92 [99.57]	–	2.500-16 UNEF
148	–	36	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	1.156 [29.36]	2.469 [62.71]	2.92 [74.17]	–	1.437-18 UNEF
149	–	36	16	.625 [15.87]	.937 [23.80]	1	5.00 [127.00]	1.156 [29.36]	2.469 [62.71]	3.92 [99.57]	–	1.437-18 UNEF
150	14	14, 14S	4	.125 [3.17]	.312 [7.92]	1	2.00 [50.80]	1.027 [26.09]	.964 [24.49]	.92 [23.37]	–	.625-24 UNEF
151	14	14, 14S	4	.125 [3.17]	.312 [7.92]	1	3.00 [76.20]	1.027 [26.09]	.964 [24.49]	1.92 [48.77]	–	.625-24 UNEF
152	16	16, 16S	4	.125 [3.17]	.312 [7.92]	1	2.00 [50.80]	1.027 [26.09]	1.112 [28.24]	.92 [23.37]	–	.625-24 UNEF
153	16	16, 16S	4	.125 [3.17]	.312 [7.92]	1	3.00 [76.20]	1.027 [26.09]	1.112 [28.24]	1.92 [48.77]	–	.625-24 UNEF
154	–	44	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	1.156 [29.36]	2.969 [75.41]	2.92 [74.17]	–	1.437-18 UNEF
155	–	44	16	.625 [15.87]	.937 [23.80]	1	5.00 [127.00]	1.156 [29.36]	2.969 [75.41]	3.92 [99.57]	–	1.437-18 UNEF
156	–	40	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	1.156 [29.36]	2.719 [69.06]	2.92 [74.17]	–	1.437-18 UNEF
157	–	40	16	.625 [15.87]	.937 [23.80]	1	5.00 [127.00]	1.156 [29.36]	2.719 [69.06]	3.92 [99.57]	–	1.437-18 UNEF

Dimensions in brackets [] are in millimeters.

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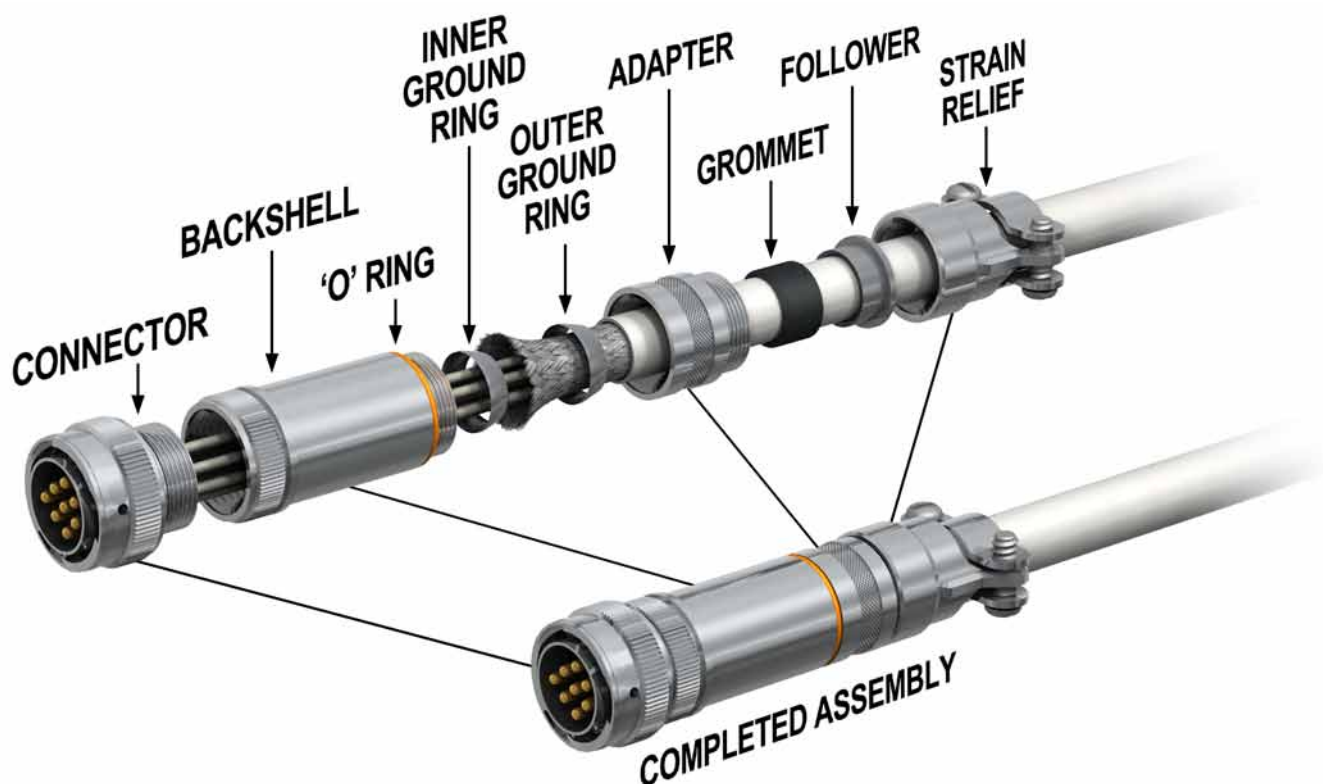
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SECTION 3D

BACKSHELLS

ENVIRONMENTAL EMI/RFI

3D



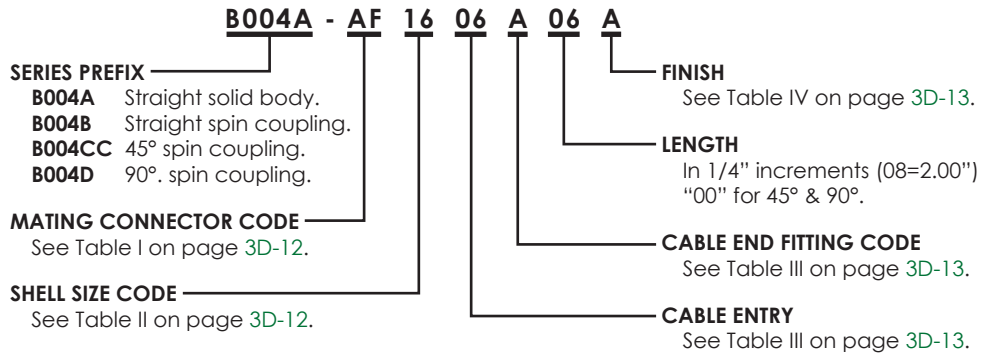
Typical Environmental EMI/RFI Backshell Assembly

STRAIGHT, 45° & 90° CONE TERMINATION

B004A, B004B, B004CC, B004D

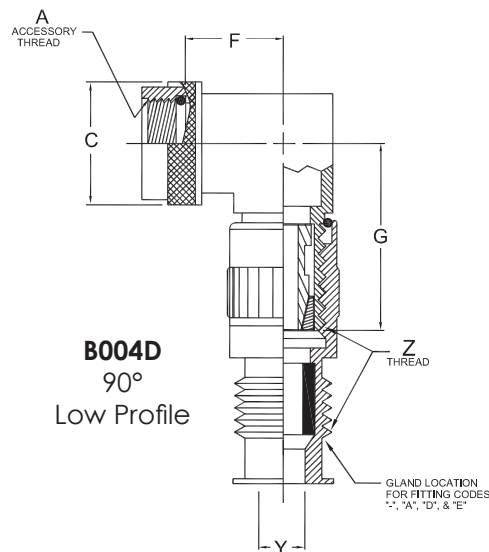
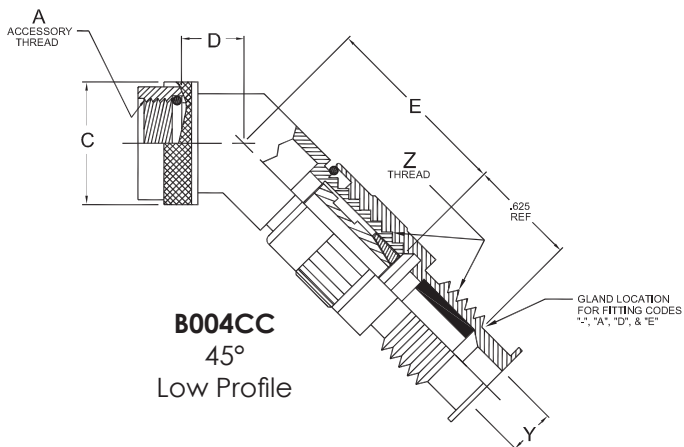
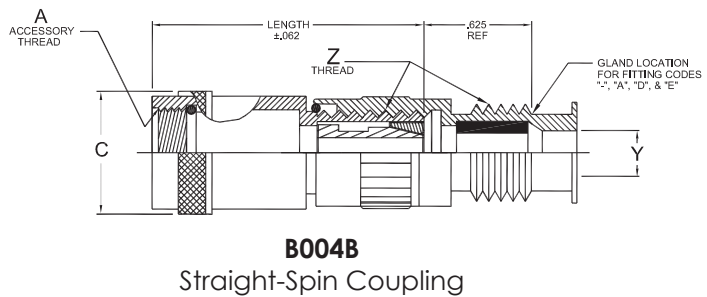
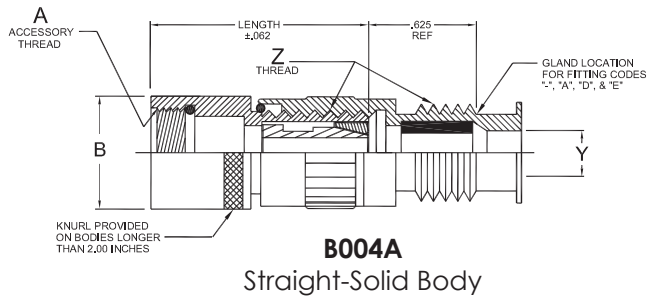
Various Series. See Table I on Page 3D-12.

ORDERING INFORMATION



An interfacial adapter will be supplied when maximum cable entry exceeds the connector insert diameter. See Page 3D-10.

For dimensions Y and Z see Table III on Page 3D-13.



STRAIGHT, 45° & 90° CONE TERMINATION

B004A, B004B, B004CC, B004D

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE									B MAX.	C MAX.	D MAX.	E MAX.	F MAX.	G MAX.
	AB	AF	AK	AM	BA	BB	BF		BG						
			SWLD	SWL			SERIES								
		*1	*2				I	II	III						
.375-32UNEF	8S									.531	.688	.500	1.000	.750	1.125
.438-28UNEF					8		9	8		.594	.688	.500	1.000	.750	1.125
.500-20UNF		8 & 8S								.656	.617	.500	1.000	.750	1.125
.500-28UNEF	10S			10						.656	.850	.500	1.000	.750	1.188
M12x 1.0									9	.656	.688	.750	1.031	1.000	1.250
.562-24UNEF					10		11	10		.719	.812	.750	1.031	1.000	1.250
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.781	.875	.750	1.031	1.000	1.250
M15x 1.0									11	.781	.812	.750	1.062	1.000	1.312
.688-24UNEF					12		13	12		.844	.938	.812	1.062	1.062	1.312
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.906	1.000	.812	1.062	1.062	1.312
M18x 1.0									13	.906	.938	.812	1.125	1.062	1.312
.812-20UNEF					14		15	14		.969	1.062	.812	1.125	1.062	1.375
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.031	1.125	.812	1.125	1.062	1.375
M22x 1.0									15	1.031	1.062	.812	1.188	1.062	1.438
.938-20UNEF					16		17	16		1.094	1.188	.844	1.188	1.125	1.438
1.000-20UNEF	18	16 & 16S	16	18		14				1.156	1.250	.844	1.188	1.125	1.438
M25x 1.0									17	1.156	1.188	.844	1.188	1.125	1.500
1.062-18UNEF		18			18		19	18		1.219	1.312	.875	1.188	1.188	1.500
1.125-18UNEF	20		18	20		16				1.281	1.375	.875	1.188	1.188	1.562
M28x 1.0									19	1.281	1.312	.875	1.188	1.188	1.562
1.188-18UNEF		20			20		21	20		1.344	1.438	.938	1.188	1.250	1.562
1.250-18UNEF	22		20	22		18				1.406	1.500	.938	1.188	1.250	1.625
M31 x 1.0									21	1.406	1.438	.938	1.250	1.250	1.625
1.312-18UNEF		22			22		23	22		1.469	1.562	.938	1.250	1.250	1.625
1.375-18UNEF	24		22	24		20				1.531	1.625	.938	1.250	1.250	1.625
M34x 1.0									23	1.531	1.562	.938	1.312	1.250	1.750
1.438-18UNEF		24			24		25	24		1.594	1.688	1.000	1.312	1.375	1.750
1.500-18UNEF						22				1.656	1.688	1.000	1.312	1.375	1.750
M37x 1.0									25	1.656	1.688	1.000	1.312	1.375	1.750
1.625-18UNEF	28		24	28		24				1.844	1.969	1.000	1.312	1.375	1.750
1.750-18UNS		28								1.969	2.094	1.000	1.438	1.375	1.812
1.875-16UN	32		28	32						2.094	2.219	1.125	1.438	1.500	1.812
2.000-18UNS		32								2.219	2.344	1.125	1.438	1.500	1.812
2.062-16UNS	36		32	36						2.281	2.406	1.125	1.500	1.500	2.125
2.250-16UN		36								2.469	2.594	1.125	1.500	1.500	2.250
2.312-16UNS	40		36	40						2.531	2.656	1.250	1.500	1.625	2.250
2.500-16UN		40								2.719	2.844	1.250	1.500	1.500	2.250
2.625-16UN			40	44						2.844	2.969	1.250	1.500	1.625	2.375
2.750-16UN		44								2.969	2.969	1.250	1.500	1.625	2.375
2.875-16UN			44	48						3.094	3.281	1.250	1.500	1.625	2.375
3.000-16UN		48								3.219	2.406	1.250	1.500	1.625	2.375
3.125-16UN			48							3.344	3.531	1.250	1.500	1.625	2.375

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

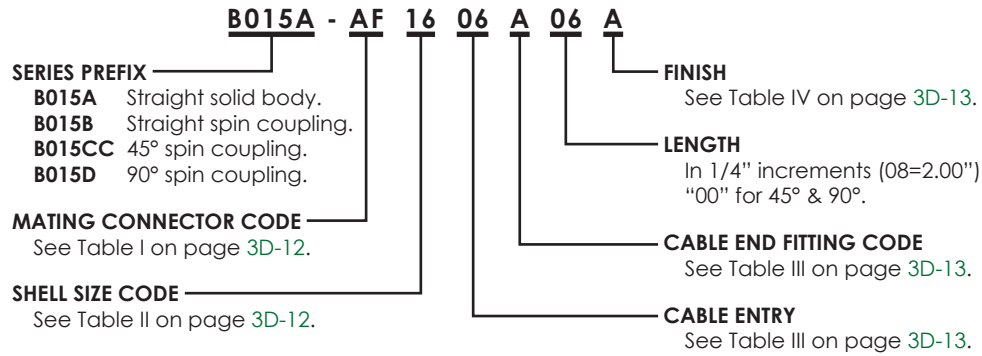
* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

STRAIGHT, 45° & 90° INVERTED CONE TERMINATION

B015A, B015B, B015CC, B015D

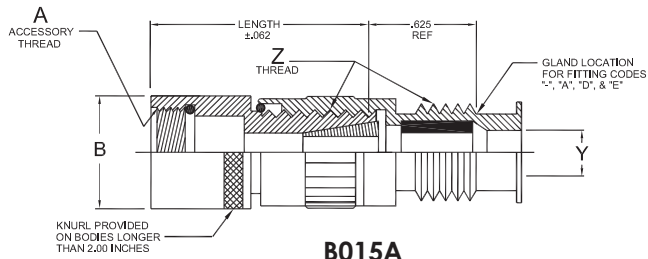
Various Series. See Table I on Page 3D-12.

ORDERING INFORMATION

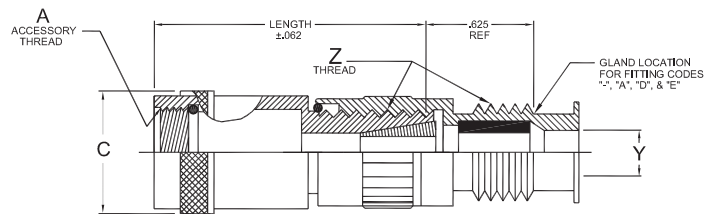


An interfacial adapter will be supplied when maximum cable entry exceeds the connector insert diameter. See Page 3D-10.

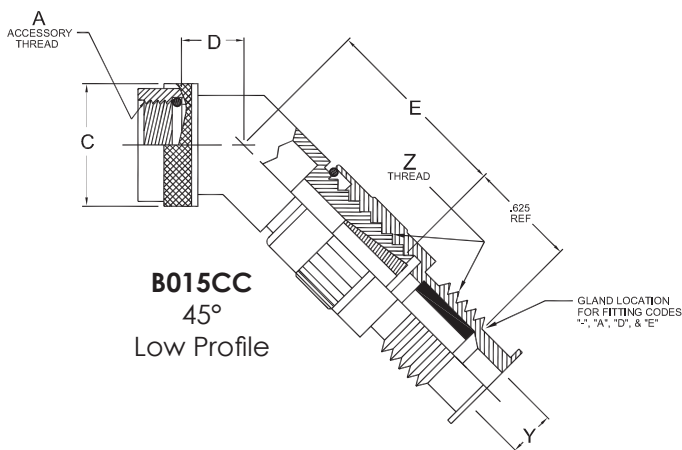
For dimensions Y and Z see Table III on Page 3D-13.



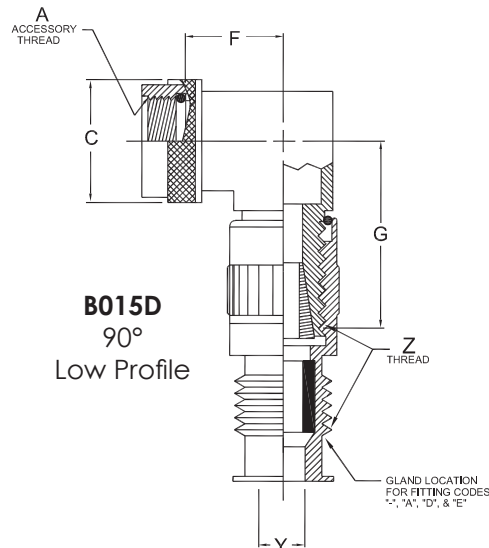
B015A
Straight-Solid Body



B015B
Straight-Spin Coupling



B015CC
45°
Low Profile



B015D
90°
Low Profile

STRAIGHT, 45° & 90° INVERTED CONE TERMINATION

B015A, B015B, B015CC, B015D

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE									B MAX.	C MAX.	D MAX.	E MAX.	F MAX.	G MAX.
	AB	AF	AK	AM	BA	BB	BF		BG						
			SWLD	SWL			SERIES								
		*1	*2				I	II	III						
.375-32UNEF	8S									.531	.688	.500	1.000	.750	1.125
.438-28UNEF					8		9	8		.594	.688	.500	1.000	.750	1.125
.500-20UNF		8 & 8S								.656	.617	.500	1.000	.750	1.125
.500-28UNEF	10S			10						.656	.850	.500	1.000	.750	1.188
M12x 1.0									9	.656	.688	.750	1.031	1.000	1.250
.562-24UNEF					10		11	10		.719	.812	.750	1.031	1.000	1.250
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.781	.875	.750	1.031	1.000	1.250
M15x 1.0									11	.781	.812	.750	1.062	1.000	1.312
.688-24UNEF					12		13	12		.844	.938	.812	1.062	1.062	1.312
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.906	1.000	.812	1.062	1.062	1.312
M18x 1.0									13	.906	.938	.812	1.125	1.062	1.312
.812-20UNEF					14		15	14		.969	1.062	.812	1.125	1.062	1.375
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.031	1.125	.812	1.125	1.062	1.375
M22x 1.0									15	1.031	1.062	.812	1.188	1.062	1.438
.938-20UNEF					16		17	16		1.094	1.188	.844	1.188	1.125	1.438
1.000-20UNEF	18	16 & 16S	16	18		14				1.156	1.250	.844	1.188	1.125	1.438
M25x 1.0									17	1.156	1.188	.844	1.188	1.125	1.500
1.062-18UNEF		18			18		19	18		1.219	1.312	.875	1.188	1.188	1.500
1.125-18UNEF	20		18	20		16				1.281	1.375	.875	1.188	1.188	1.562
M28x 1.0									19	1.281	1.312	.875	1.188	1.188	1.562
1.188-18UNEF		20			20		21	20		1.344	1.438	.938	1.188	1.250	1.562
1.250-18UNEF	22		20	22		18				1.406	1.500	.938	1.188	1.250	1.625
M31 x 1.0									21	1.406	1.438	.938	1.250	1.250	1.625
1.312-18UNEF		22			22		23	22		1.469	1.562	.938	1.250	1.250	1.625
1.375-18UNEF	24		22	24		20				1.531	1.625	.938	1.250	1.250	1.625
M34x 1.0									23	1.531	1.562	.938	1.312	1.250	1.750
1.438-18UNEF		24			24		25	24		1.594	1.688	1.000	1.312	1.375	1.750
1.500-18UNEF						22				1.656	1.688	1.000	1.312	1.375	1.750
M37x 1.0									25	1.656	1.688	1.000	1.312	1.375	1.750
1.625-18UNEF	28		24	28		24				1.844	1.969	1.000	1.312	1.375	1.750
1.750-18UNS		28								1.969	2.094	1.000	1.438	1.375	1.812
1.875-16UN	32		28	32						2.094	2.219	1.125	1.438	1.500	1.812
2.000-18UNS		32								2.219	2.344	1.125	1.438	1.500	1.812
2.062-16UNS	36		32	36						2.281	2.406	1.125	1.500	1.500	2.125
2.250-16UN		36								2.469	2.594	1.125	1.500	1.500	2.250
2.312-16UNS	40		36	40						2.531	2.656	1.250	1.500	1.625	2.250
2.500-16UN		40								2.719	2.844	1.250	1.500	1.500	2.250
2.625-16UN			40	44						2.844	2.969	1.250	1.500	1.625	2.375
2.750-16UN		44								2.969	2.969	1.250	1.500	1.625	2.375
2.875-16UN			44	48						3.094	3.281	1.250	1.500	1.625	2.375
3.000-16UN		48								3.219	2.406	1.250	1.500	1.625	2.375
3.125-16UN			48							3.344	3.531	1.250	1.500	1.625	2.375

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

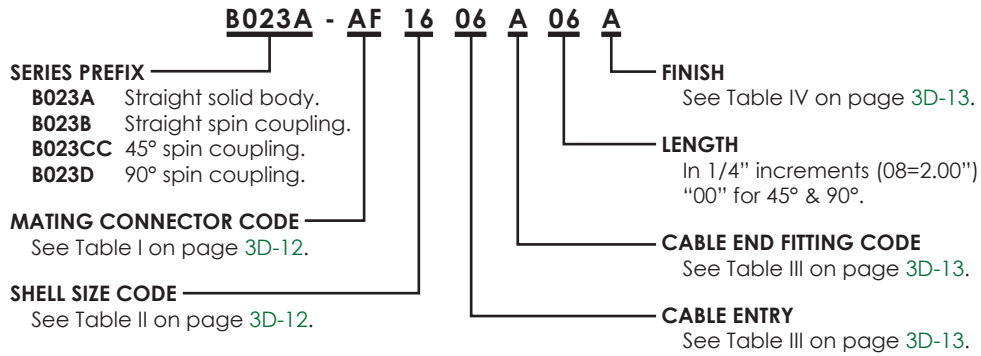
* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

STRAIGHT, 45° & 90° 2 RING TERMINATION

B023A, B023B, B023CC, B023D

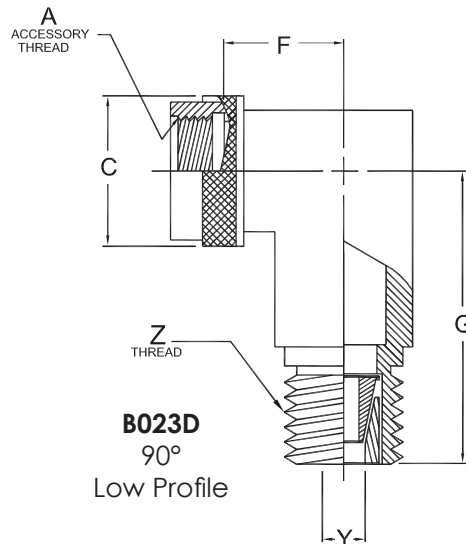
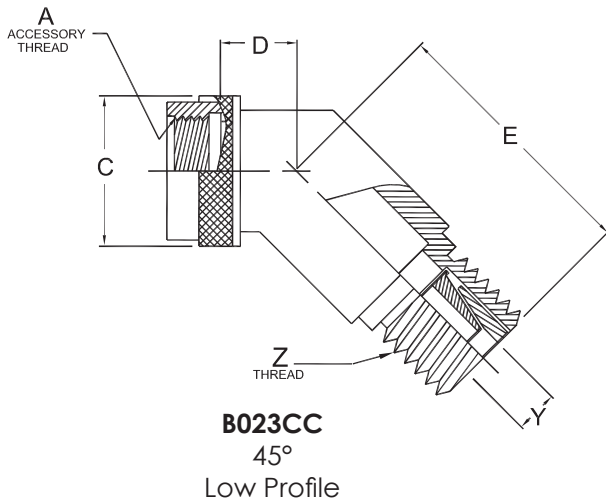
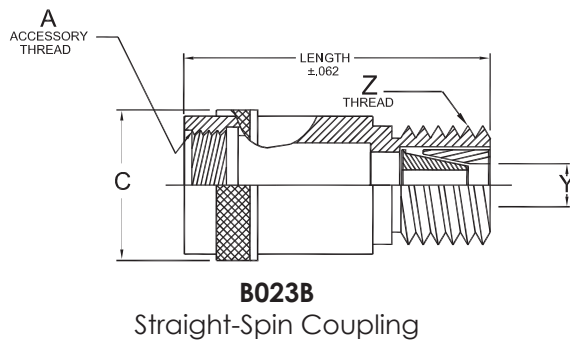
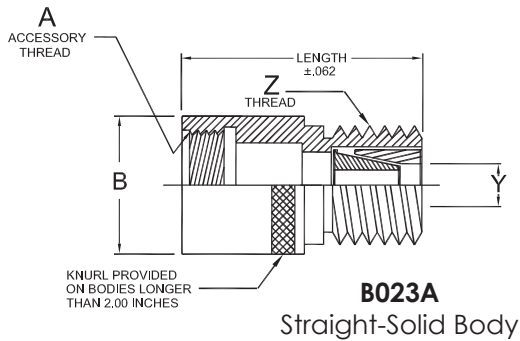
Various Series. See Table I on Page 3D-12.

ORDERING INFORMATION



An interfacial adapter will be supplied when maximum cable entry exceeds the connector insert diameter. See Page 3D-10.

For dimensions Y and Z see Table III on Page 3D-13.



STRAIGHT, 45° & 90° 2 RING TERMINATION

B023A, B023B, B023CC, B023D

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE									B MAX.	C MAX.	D MAX.	E MAX.	F MAX.	G MAX.
	AB	AF	AK	AM	BA	BB	BF		BG						
			SWLD	SWL			SERIES								
		*1	*2				I	II	III						
.375-32UNEF	8S									.531	.688	.500	1.000	.750	1.125
.438-28UNEF					8		9	8		.594	.688	.500	1.000	.750	1.125
.500-20UNF		8 & 8S								.656	.617	.500	1.000	.750	1.125
.500-28UNEF	10S			10						.656	.850	.500	1.000	.750	1.188
M12x 1.0									9	.656	.688	.750	1.031	1.000	1.250
.562-24UNEF					10		11	10		.719	.812	.750	1.031	1.000	1.250
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.781	.875	.750	1.031	1.000	1.250
M15x 1.0									11	.781	.812	.750	1.062	1.000	1.312
.688-24UNEF					12		13	12		.844	.938	.812	1.062	1.062	1.312
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.906	1.000	.812	1.062	1.062	1.312
M18x 1.0									13	.906	.938	.812	1.125	1.062	1.312
.812-20UNEF					14		15	14		.969	1.062	.812	1.125	1.062	1.375
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.031	1.125	.812	1.125	1.062	1.375
M22x 1.0									15	1.031	1.062	.812	1.188	1.062	1.438
.938-20UNEF					16		17	16		1.094	1.188	.844	1.188	1.125	1.438
1.000-20UNEF	18	16 & 16S	16	18		14				1.156	1.250	.844	1.188	1.125	1.438
M25x 1.0									17	1.156	1.188	.844	1.188	1.125	1.500
1.062-18UNEF		18			18		19	18		1.219	1.312	.875	1.188	1.188	1.500
1.125-18UNEF	20		18	20		16				1.281	1.375	.875	1.188	1.188	1.562
M28x 1.0									19	1.281	1.312	.875	1.188	1.188	1.562
1.188-18UNEF		20			20		21	20		1.344	1.438	.938	1.188	1.250	1.562
1.250-18UNEF	22		20	22		18				1.406	1.500	.938	1.188	1.250	1.625
M31 x 1.0									21	1.406	1.438	.938	1.250	1.250	1.625
1.312-18UNEF		22			22		23	22		1.469	1.562	.938	1.250	1.250	1.625
1.375-18UNEF	24		22	24		20				1.531	1.625	.938	1.250	1.250	1.625
M34x 1.0									23	1.531	1.562	.938	1.312	1.250	1.750
1.438-18UNEF		24			24		25	24		1.594	1.688	1.000	1.312	1.375	1.750
1.500-18UNEF						22				1.656	1.688	1.000	1.312	1.375	1.750
M37x 1.0									25	1.656	1.688	1.000	1.312	1.375	1.750
1.625-18UNEF	28		24	28		24				1.844	1.969	1.000	1.312	1.375	1.750
1.750-18UNS		28								1.969	2.094	1.000	1.438	1.375	1.812
1.875-16UN	32		28	32						2.094	2.219	1.125	1.438	1.500	1.812
2.000-18UNS		32								2.219	2.344	1.125	1.438	1.500	1.812
2.062-16UNS	36		32	36						2.281	2.406	1.125	1.500	1.500	2.125
2.250-16UN		36								2.469	2.594	1.125	1.500	1.500	2.250
2.312-16UNS	40		36	40						2.531	2.656	1.250	1.500	1.625	2.250
2.500-16UN		40								2.719	2.844	1.250	1.500	1.500	2.250
2.625-16UN			40	44						2.844	2.969	1.250	1.500	1.625	2.375
2.750-16UN		44								2.969	2.969	1.250	1.500	1.625	2.375
2.875-16UN			44	48						3.094	3.281	1.250	1.500	1.625	2.375
3.000-16UN		48								3.219	2.406	1.250	1.500	1.625	2.375
3.125-16UN			48							3.344	3.531	1.250	1.500	1.625	2.375

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

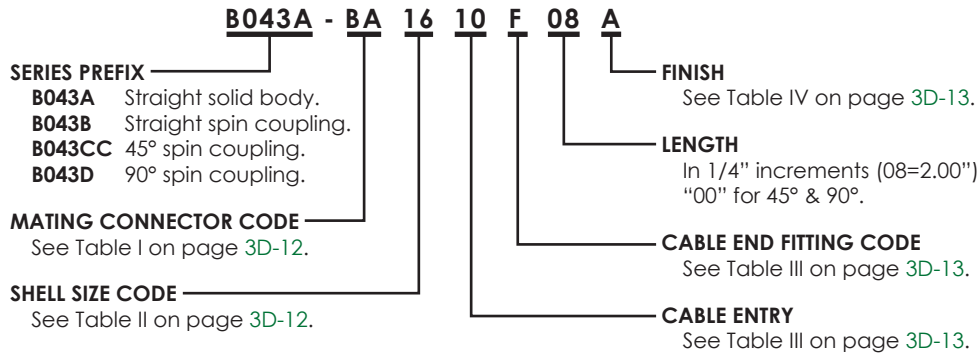
* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

STRAIGHT, 45° & 90° LIGHT WEIGHT TYPE

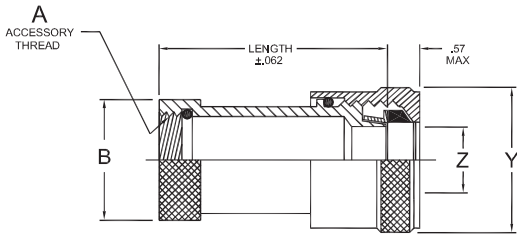
B043A, B043B, B043CC, B043D

Various Series. See Table I on Page 3D-12.

ORDERING INFORMATION

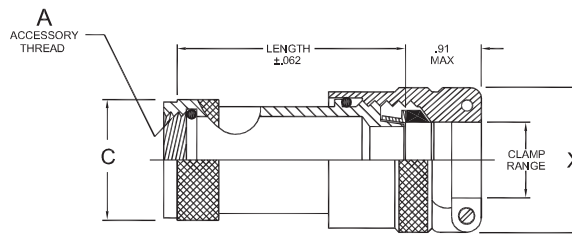


An interfacial adapter will be supplied when maximum cable entry exceeds the connector insert diameter. See Page 3D-10.



B043A

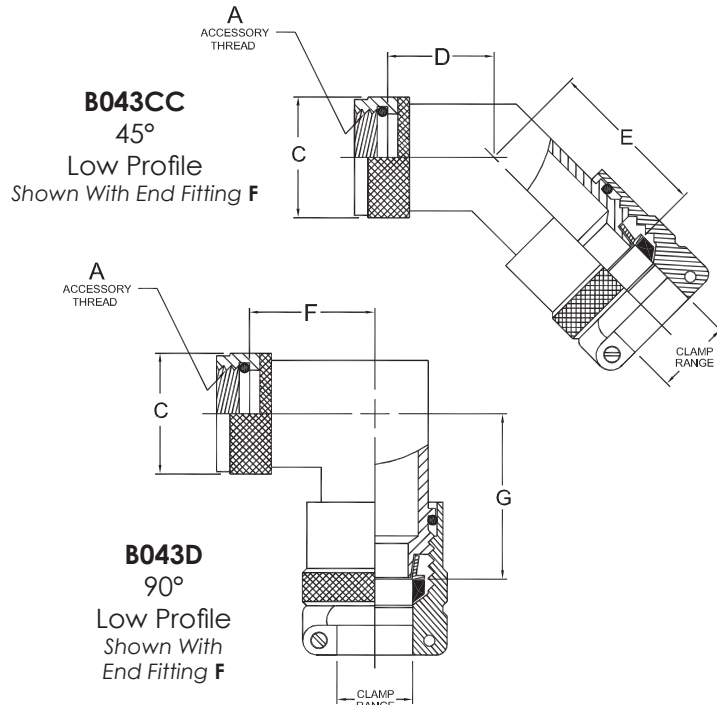
Straight-Solid Body
 Shown With End Fitting **G**



B043B

Straight-Spin Coupling
 Shown With End Fitting **F**

CABLE ENTRY CODE	X MAX.	Y MAX.	Z REF.	CLAMP RANGE	
				OPEN	CLOSED
02	.719	.656	.125	.125	.062
04	.844	.781	.250	.250	.125
06	.969	.906	.375	.375	.188
08	1.094	1.031	.500	.500	.281
10	1.219	1.156	.625	.625	.406
12	1.344	1.281	.750	.750	.531
14	1.469	1.406	.875	.875	.656
16	1.594	1.531	1.000	1.000	.781
18	1.719	1.656	1.125	1.125	.906
20	1.844	1.781	1.250	1.250	1.031
22	1.969	1.906	1.375	1.375	1.156



STRAIGHT, 45° & 90° LIGHT WEIGHT TYPE

B043A, B043B, B043CC, B043D

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE								B MAX.	C MAX.	D MAX.	E MAX.	F MAX.	G MAX.	
	AB	AF	AK	AM	BA	BB	BF								BG
			SWLD	SWL			SERIES								
		*1	*2				I	II							III
.375-32UNEF	8S									.531	.688	.500	1.000	.750	1.125
.438-28UNEF					8		9	8		.594	.688	.500	1.000	.750	1.125
.500-20UNF		8 & 8S								.656	.617	.500	1.000	.750	1.125
.500-28UNEF	10S			10						.656	.850	.500	1.000	.750	1.188
M12x 1.0									9	.656	.688	.750	1.031	1.000	1.250
.562-24UNEF					10		11	10		.719	.812	.750	1.031	1.000	1.250
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.781	.875	.750	1.031	1.000	1.250
M15x 1.0									11	.781	.812	.750	1.062	1.000	1.312
.688-24UNEF					12		13	12		.844	.938	.812	1.062	1.062	1.312
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.906	1.000	.812	1.062	1.062	1.312
M18x 1.0									13	.906	.938	.812	1.125	1.062	1.312
.812-20UNEF					14		15	14		.969	1.062	.812	1.125	1.062	1.375
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.031	1.125	.812	1.125	1.062	1.375
M22x 1.0									15	1.031	1.062	.812	1.188	1.062	1.438
.938-20UNEF					16		17	16		1.094	1.188	.844	1.188	1.125	1.438
1.000-20UNEF	18	16 & 16S	16	18		14				1.156	1.250	.844	1.188	1.125	1.438
M25x 1.0									17	1.156	1.188	.844	1.188	1.125	1.500
1.062-18UNEF		18			18		19	18		1.219	1.312	.875	1.188	1.188	1.500
1.125-18UNEF	20		18	20		16				1.281	1.375	.875	1.188	1.188	1.562
M28x 1.0									19	1.281	1.312	.875	1.188	1.188	1.562
1.188-18UNEF		20			20		21	20		1.344	1.438	.938	1.188	1.250	1.562
1.250-18UNEF	22		20	22		18				1.406	1.500	.938	1.188	1.250	1.625
M31 x 1.0									21	1.406	1.438	.938	1.250	1.250	1.625
1.312-18UNEF		22			22		23	22		1.469	1.562	.938	1.250	1.250	1.625
1.375-18UNEF	24		22	24		20				1.531	1.625	.938	1.250	1.250	1.625
M34x 1.0									23	1.531	1.562	.938	1.312	1.250	1.750
1.438-18UNEF		24			24		25	24		1.594	1.688	1.000	1.312	1.375	1.750
1.500-18UNEF						22				1.656	1.688	1.000	1.312	1.375	1.750
M37x 1.0									25	1.656	1.688	1.000	1.312	1.375	1.750
1.625-18UNEF	28		24	28		24				1.844	1.969	1.000	1.312	1.375	1.750
1.750-18UNS		28								1.969	2.094	1.000	1.438	1.375	1.812
1.875-16UN	32		28	32						2.094	2.219	1.125	1.438	1.500	1.812
2.000-18UNS		32								2.219	2.344	1.125	1.438	1.500	1.812
2.062-16UNS	36		32	36						2.281	2.406	1.125	1.500	1.500	2.125
2.250-16UN		36								2.469	2.594	1.125	1.500	1.500	2.250
2.312-16UNS	40		36	40						2.531	2.656	1.250	1.500	1.625	2.250
2.500-16UN		40								2.719	2.844	1.250	1.500	1.500	2.250
2.625-16UN			40	44						2.844	2.969	1.250	1.500	1.625	2.375
2.750-16UN		44								2.969	2.969	1.250	1.500	1.625	2.375
2.875-16UN			44	48						3.094	3.281	1.250	1.500	1.625	2.375
3.000-16UN		48								3.219	2.406	1.250	1.500	1.625	2.375
3.125-16UN			48							3.344	3.531	1.250	1.500	1.625	2.375

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

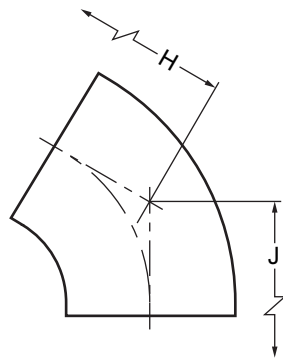
* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

CONFIGURATIONS

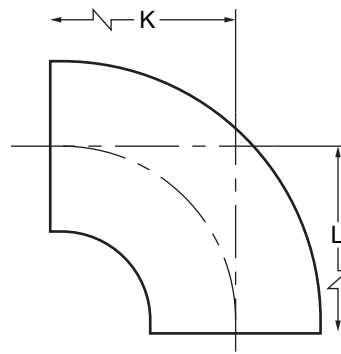
CONFIGURATION CODES

CODE					DESCRIPTION
STRAIGHT	45°	45° BENT TUBE	90°	90° BENT TUBE	
A					Solid body
B	CC	C	D	H	Round non-locking nut, .032" safety wire holes
E	FF	F	G	K	Hex non-locking nut, .032 safety wire holes

BENT TUBE CONFIGURATIONS

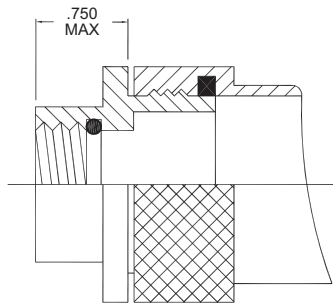


**45°
Bent Tube**

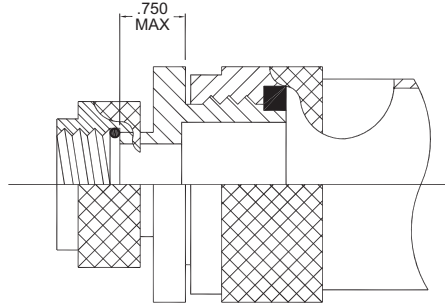


**90°
Bent Tube**

INTERFACIAL ADAPTER CONFIGURATIONS



**Straight Solid
Configuration**



**Straight 45° & 90°
Spin Configuration**

O-Rings Supplied for Environmental Assemblies Only

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE									H MAX.	J MAX.	K MAX.	L MAX.
	AB	AF	AK	AM	BA	BB	BF		BG				
			SWLD	SWL			SERIES						
		*1	*2					I	II				
.375-32UNEF	8S									.812	.875	1.125	1.188
.438-28UNEF					8		9	8		.812	.875	1.125	1.188
.500-20UNF		8 & 8S								.812	.875	1.125	1.188
.500-28UNEF	10S			10						.812	.875	1.125	1.188
M12x 1.0									9	.812	.875	1.125	1.188
.562-24UNEF					10		11	10		.875	.938	1.250	1.312
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.875	.938	1.250	1.312
M15x 1.0									11	.875	.938	1.250	1.312
.688-24UNEF					12		13	12		.938	1.000	1.375	1.438
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.938	1.000	1.375	1.438
M18x 1.0									13	.938	1.000	1.375	1.438
.812-20UNEF					14		15	14		1.000	1.062	1.500	1.562
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.000	1.062	1.500	1.562
M22x 1.0									15	1.000	1.062	1.500	1.562
.938-20UNEF					16		17	16		1.062	1.125	1.625	1.688
1.000-20UNEF	18	16 & 16S	16	18		14				1.062	1.125	1.625	1.688
M25x 1.0									17	1.062	1.125	1.625	1.688
1.062-18UNEF		18			18		19	18		1.094	1.156	1.750	1.812
1.125-18UNEF	20		18	20		16				1.094	1.156	1.750	1.812
M28x 1.0									19	1.094	1.156	1.750	1.812
1.188-18UNEF		20			20		21	20		1.156	1.219	1.875	1.938
1.250-18UNEF	22		20	22		18				1.156	1.219	1.875	1.938
M31 x 1.0									21	1.156	1.219	1.875	1.938
1.312-18UNEF		22			22		23	22		1.188	1.250	2.000	2.062
1.375-18UNEF	24		22	24		20				1.188	1.250	2.000	2.062
M34x 1.0									23	1.188	1.250	2.000	2.062
1.438-18UNEF		24			24		25	24		1.250	1.312	2.125	2.188
1.500-18UNEF						22				1.250	1.312	2.125	2.188
M37x 1.0									25	1.250	1.312	2.125	2.188
1.625-18UNEF	28		24	28		24				1.344	1.625	2.375	2.625
1.750-18UNS		28								1.344	1.625	2.375	2.625
1.875-16UN	32		28	32						1.438	1.812	2.625	3.000
2.000-18UNS		32								1.438	1.812	2.625	3.000
2.062-16UNS	36		32	36						1.562	1.938	2.875	3.250
2.250-16UN		36								1.562	1.938	2.875	3.250
2.312-16UNS	40		36	40						1.688	2.062	3.125	3.500
2.500-16UN		40								1.688	2.062	3.125	3.500
2.625-16UN			40	44						1.750	2.188	3.375	3.812
2.750-16UN		44								1.750	2.188	3.375	3.812
2.875-16UN			44	48						1.875	2.312	3.625	4.062
3.000-16UN		48								1.875	2.312	3.625	4.062
3.125-16UN			48							1.875	2.312	3.625	4.062

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

MATING CONNECTOR CODES

TABLE I. MATING CONNECTOR CODES

CODE	CONNECTOR SPECIFICATION
AB	MIL-DTL-5015, Solder Contacts, and F80 Crimp, SCP and SCPB Series
AF	MIL-DTL-5015, Crimp Front or Rear Release Contacts SC30 thru SC39 and SC50 thru SC59 MIL-DTL-26482, Series 2, SCPT70 thru SCPT79
AK	MIL-DTL-22992, Class C & R, SWLD Series, SCP17343 thru SCP17347
AM	SWL Series
BA	MIL-DTL-26482 Series I, Solder or Crimp Front Release, SCPT and SCPC Series
BB	MIL-DTL-26482 Series 1, Class E, F & P SCPT07* and SCPT07S
BF	MIL-DTL-38999 Series I & II, SC1001, SC1466, SC1467, SC1468, SC1469, SC1470, SC1471, SC1496, SC1498, SC1505, SC1656, SC1662, SC2001, SC2472, SC2473, SC2474, SC2475, SC2476, SC2477, SC2478, SC2484, SC2497, SC2499, SC2508, SC2513
BG	MIL-DTL-38999, Series III, SC3920 thru SC3926

SHELL SIZE CODES

TABLE II. SHELL SIZE CODES

SHELL SIZE CODE	MATING CONNECTOR CODES								
	AB	AF	AK	AM	BA	BB	BF		BG
			SWLD	SWL			SERIES		
							I	II	III
08	8S	8 & 8S			8	8	9	8	
09									9
10	10S	10, 10S & 10SL		10	10	10	11	10	
11				12					11
12	10SL, 12 & 12S	12 & 12S	12	14	12	12	13	12	
13									13
14	14 & 14S	14 & 14S	14	16	14	14	15	14	
15									15
16	16 & 16S	16 & 16S	16	18	16	16	17	16	
17									17
18	18	18	18	20	18	18	19	18	
19									19
20	20	20	20	22	20	20	21	20	
21									21
22	22	22	22	24	22	22	23	22	
23									23
24	24	24	24	28	24	24	25	24	
25									25
28	28	28	28	32					
32	32	32	32	36					
36	36	36	36	40					
40	40	40	40	44					
44		44	44						
48		48	48						

TABLE III. CABLE ENTRY CODE/CABLE END FITTING DIMENSIONS

CABLE ENTRY CODE	Z FITTING THREAD	Y REF.	END FITTING A				END FITTING B & C					END FITTING D				END FITTING E	
			X ±.031	W ±.031	CLAMP RANGE		V MAX.	U MAX.	T MAX.	CLAMP RANGE		S ±.020	R ±	CLAMP RANGE		P ±.016	N ±.016
					OPEN	CLOSED				OPEN	CLOSED			OPEN	CLOSED		
03	.500-28UNEF	.250	.812	.812	.250	.156	.812	1.031	1.031	.219	.094	—	—	—	—	.625	.438
04	.625-24UNEF	.312	.875	.812	.312	.188	.938	1.031	1.375	.312	.094	.938	1.281	.312	.125	.750	.438
06	.750-20UNEF	.438	1.062	.875	.438	.281	1.062	1.031	1.375	.438	.250	1.125	1.281	.438	.250	.875	.438
08	.875-20UNEF	.562	1.156	.938	.562	.344	1.188	1.031	1.375	.531	.312	1.312	1.281	.562	.312	1.031	.438
10	1.000-20UNEF	.625	1.250	.938	.625	.375	1.312	1.094	1.438	.625	.375	1.312	1.281	.625	.350	1.156	.438
12	1.188-18UNEF	.750	1.469	.938	.750	.438	1.562	1.219	1.438	.750	.500	1.531	1.312	.750	.500	1.344	.438
16	1.438-18UNEF	.938	1.688	1.031	.938	.562	1.750	1.219	1.562	.938	.594	1.750	1.406	.938	.625	1.564	.438
20	1.750-18UNS	1.250	2.031	1.094	1.250	.750	2.250	1.344	1.812	1.250	.938	2.094	1.594	1.250	.875	1.906	.500
24	2.000-18UNS	1.375	2.281	1.156	1.375	.781	2.375	1.547	2.062	1.375	.969	2.344	1.625	1.375	1.000	2.156	.562
28	2.250-16UN	1.625	2.688	1.688	1.625	.969	2.625	1.547	2.062	1.625	1.188	2.750	1.900	1.625	1.250	2.406	.562
32	2.500-16UN	1.875	2.938	1.750	1.875	1.125	2.812	1.734	2.188	1.875	1.375	3.000	1.900	1.875	1.438	2.656	.625
40	3.000-16UN	2.375	3.500	1.750	2.375	1.469	—	—	—	—	—	—	—	—	—	3.156	.688

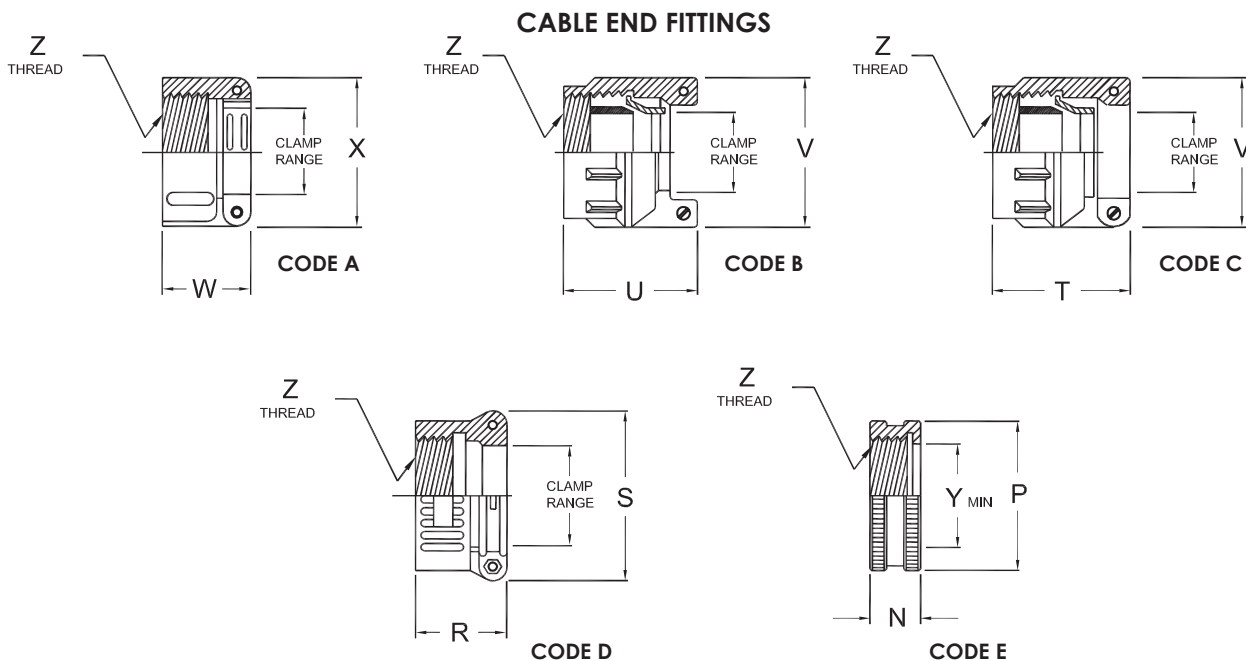


TABLE IV. FINISH CODES CONSULT FACTORY FOR OTHER AVAILABLE FINISHES

FINISH CODE	DESCRIPTION
A	Cadmium, Olive Drab, per QQ-P-416, Type II, Over Electroless Nickel, per MIL-C-26074 (1000 Hour Salt Spray Finish)
B	Cadmium, Black, per QQ-P-416, Type II, Class 3
C	Cadmium, Olive Drab, per QQ-P-416, Type II, Class 3
D	Cadmium - Yellow, per QQ-P-416, Type II Class 3, 48 Hours
E	Cadmium - Yellow Over Nickel, 48 Hours
F	Anodize, Sulphuric, Black, per MIL-A-8625, Type II, Class 2
G	Chromium Plate, per QQ-C-320, CLASS 2 A, Type II
H	Anodize, Hard, Black, per MIL-A-8625, Type III, Class 2
I	Chemical Film, per MIL-C-5541
J	Cadmium, Clear, per QQ-P-416, Type II Class 3
K	Nickel, Electro Deposited, per QQ-N-290, Class 2

FINISH CODE	DESCRIPTION
L	Zinc Cobalt, Color O.D. .000050
M	Zinc Cobalt, Color Black, .000050
N	Electroless Nickel, per MIL-C-26074, Class 4, Grade B
R	Anodize, Hard, Gray, per MIL-A-8625, Type III, Class 1
S	Anodize, Sulphuric, Gray, per MIL-A-8625, Type II, Class 1
T	Anodize, Hard Color Blue
U	Anodize, Hard Color Red
V	Anodize, Hard Color Yellow
X	Cadmium, Bright, per QQ-P-416, Type II, Over Electroless Nickel, per MIL-C-26074
Z	Anodize, Hard, Green, per MIL-A-8625, Type III, Class 1, Dichromate Seal

45° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF06

For **SC30**, **SC50** & **SC70** Series (MIL-DTL-5015 Crimp & MIL-DTL-26482 Series 2)

ORDERING INFORMATION

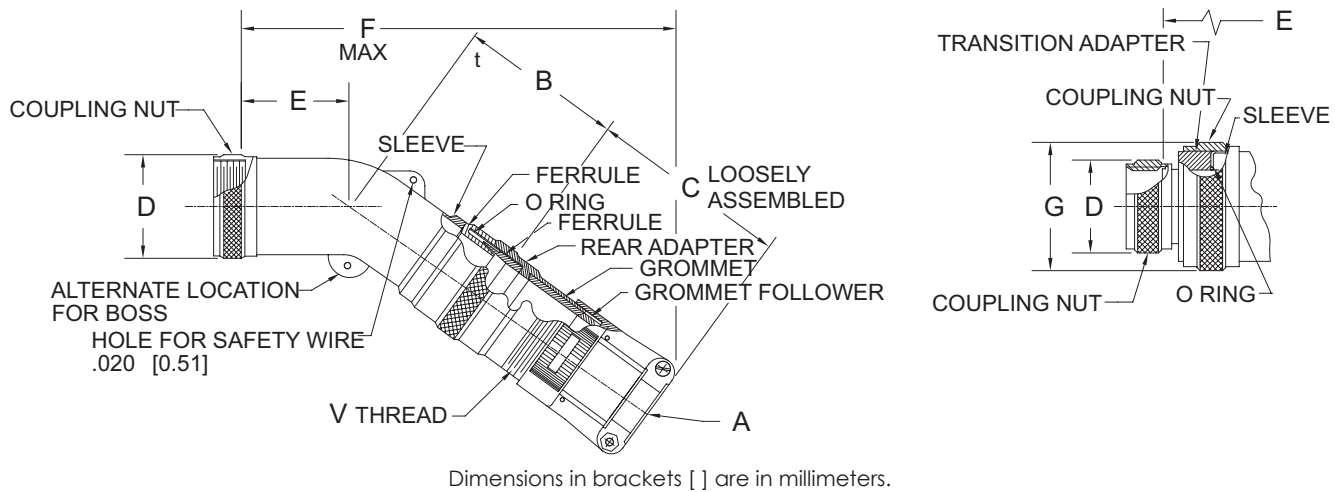
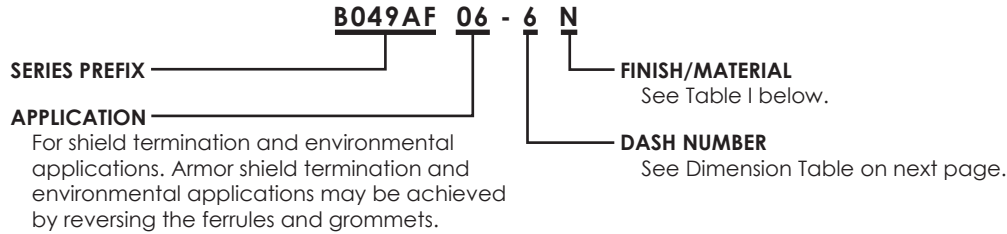


TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
B	Black cadmium - In accordance with AMS-QQ-P-416, Type II, Class 3.	Stainless Steel	-65 to +175 °C	Not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.		-65 to +200 °C	
XS	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
ZS	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	



45° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF06

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B ±.062 [±1.57]	C REF.	ØD MAX.	E ±.125 [±3.17]	F MAX	ØG MAX.	V THREAD CLASS 2A
	MIL- DTL-26482 SERIES 2	MIL- DTL-5015 CRIMP		MIN.	MAX.								
1	–	–	4	.125 [3.17]	.250 [6.35]	1	1.790 [45.47]	1.544 [39.22]	.669 [16.99]	.561 [14.25]	3.37 [60.20]	–	.625-24 UNEF
2	–	–	6	.250 [6.35]	.437 [11.10]	2	1.910 [48.51]	1.544 [39.22]	.669 [16.99]	1.375 [34.92]	4.33 [109.98]	.858 [21.79]	.750-20 UNEF
3	8	8S	4	.125 [3.17]	.250 [6.35]	1	1.182 [30.02]	1.544 [39.22]	.617 [15.67]	.500 [12.70]	2.88 [73.15]	–	.625-24 UNEF
4	10	10S, 10SL	4	.125 [3.17]	.312 [7.92]	1	1.850 [46.99]	1.544 [39.22]	.734 [18.64]	.561 [14.25]	3.41 [86.61]	–	.625-24 UNEF
5	10	10S, 10SL	6	.250 [6.35]	.375 [9.52]	1	1.245 [31.62]	1.544 [39.22]	.734 [18.64]	.561 [14.25]	3.05 [77.47]	–	.750-20 UNEF
6	12	12, 12S	4	.125 [3.17]	.312 [7.92]	1	1.910 [48.51]	1.544 [39.22]	.858 [21.79]	.625 [15.87]	3.52 [89.41]	–	.625-24 UNEF
7	12	12, 12S	6	.250 [6.35]	.437 [11.10]	1	1.910 [48.51]	1.544 [39.22]	.858 [21.79]	.625 [15.87]	3.58 [90.93]	–	.750-20 UNEF
8	12	12, 12S	10	.350 [8.89]	.500 [12.70]	1	1.910 [48.51]	1.844 [46.84]	.858 [21.79]	.625 [15.87]	3.86 [98.04]	–	1.000-20 UNEF
9	14	14, 14S	6	.250 [6.35]	.437 [11.10]	1	2.000 [50.80]	1.544 [39.22]	.984 [24.99]	.688 [17.48]	3.71 [94.23]	–	.750-20 UNEF
10	14	14, 14S	10	.350 [8.89]	.575 [14.60]	1	1.655 [42.04]	1.844 [46.84]	.984 [24.99]	.688 [17.48]	3.74 [95.00]	–	1.000-20 UNEF
11	16	16, 16S	6	.250 [6.35]	.437 [11.10]	1	2.110 [53.59]	1.916 [48.67]	1.112 [28.24]	.781 [19.84]	3.88 [98.55]	–	.750-20 UNEF
12	16	16, 16S	12	.500 [12.70]	.700 [17.78]	1	1.750 [44.45]	1.916 [48.67]	1.112 [28.24]	.781 [19.84]	4.03 [102.36]	–	1.187-18 UNEF
13	18	18	10	.350 [8.89]	.625 [15.87]	1	2.300 [58.42]	1.844 [46.84]	1.218 [30.94]	.968 [24.59]	4.48 [113.79]	–	1.000-20 UNEF
14	18	18	16	.625 [15.87]	.779 [19.79]	1	1.938 [49.23]	2.000 [50.80]	1.218 [30.94]	.968 [24.59]	4.49 [114.05]	–	1.437-18 UNEF
15	20	20	10	.350 [8.89]	.625 [15.87]	1	2.300 [58.42]	1.844 [46.84]	1.345 [34.16]	.968 [24.59]	4.48 [113.79]	–	1.000-20 UNEF
16	20	20	16	.625 [15.87]	.904 [22.96]	1	1.938 [49.23]	2.000 [50.80]	1.345 [34.16]	.968 [24.59]	4.49 [114.05]	–	1.437-18 UNEF
17	22	22	12	.500 [12.70]	.750 [19.05]	1	2.450 [62.23]	1.916 [48.67]	1.468 [37.29]	1.063 [27.00]	4.81 [122.17]	–	1.187-18 UNEF
18	22	22	20	.875 [22.22]	1.029 [26.14]	1	2.093 [53.16]	2.230 [56.64]	1.468 [37.29]	1.063 [27.00]	4.98 [126.49]	–	1.750-18 UNS
19	24	24	12	.500 [12.70]	.750 [19.05]	1	2.450 [62.23]	1.916 [48.67]	1.593 [40.46]	1.063 [27.00]	4.81 [122.17]	–	1.187-18 UNEF
20	24	24	20	.875 [22.22]	1.144 [29.06]	1	2.093 [53.16]	2.230 [56.64]	1.593 [40.46]	1.063 [27.00]	4.98 [126.49]	–	1.750-18 UNS
21	–	28	16	.625 [15.87]	.937 [23.80]	1	2.500 [63.50]	2.000 [50.80]	1.969 [50.01]	1.188 [30.18]	5.11 [129.79]	–	1.437-18 UNEF
22	–	28	24	1.000 [25.40]	1.375 [34.92]	1	2.156 [54.76]	2.024 [51.41]	1.969 [50.01]	1.188 [30.18]	5.09 [129.29]	–	2.000-18 UNS
23	–	32	16	.625 [15.87]	.937 [23.80]	1	2.600 [66.04]	2.000 [50.80]	2.219 [56.36]	1.250 [31.75]	5.24 [133.10]	–	1.437-18 UNEF
24	–	32	20	.875 [22.22]	1.250 [31.75]	1	2.600 [66.04]	2.230 [56.64]	2.219 [56.36]	1.250 [31.75]	5.52 [140.21]	–	1.750-18 UNS
25	–	32	28	1.250 [31.75]	1.625 [41.27]	1	2.250 [57.15]	2.550 [64.77]	2.219 [56.36]	1.250 [31.75]	5.73 [145.54]	–	2.250-16 UN
26	–	36	16	.625 [15.87]	.937 [23.80]	1	2.690 [68.33]	2.000 [50.80]	2.469 [62.71]	1.281 [32.54]	5.33 [135.38]	–	1.437-18 UNEF
27	–	36	24	1.000 [25.40]	1.375 [34.92]	1	2.690 [68.33]	2.024 [51.41]	2.469 [62.71]	1.281 [32.54]	5.56 [141.22]	–	2.000-18 UNS
28	–	36	32	1.437 [36.50]	1.840 [46.74]	1	2.344 [59.54]	2.600 [66.04]	2.469 [62.71]	1.281 [32.54]	5.95 [151.13]	–	2.500-16 UN
29	–	40	16	.625 [15.87]	.937 [23.80]	1	2.690 [68.33]	2.000 [50.80]	2.719 [69.06]	2.031 [51.59]	6.08 [154.43]	–	1.437-18 UNEF
30	–	40	24	1.000 [25.40]	1.375 [34.92]	1	2.690 [68.33]	2.024 [51.41]	2.719 [69.06]	2.031 [51.59]	6.31 [160.27]	–	2.000-18 UNS

Dimensions in brackets [] are in millimeters.

Continued on Next Page

45° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF06

Continued from Previous Page

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B ±.062 [±1.57]	C REF.	ØD MAX.	E ±.125 [±3.17]	F MAX	ØG MAX.	V THREAD CLASS 2A
	MIL- DTL-26482 SERIES 2	MIL- DTL-5015 CRIMP		MIN.	MAX.								
31	–	40	32	.1437 [36.50]	.1875 [47.62]	1	2.344 [59.54]	2.600 [66.04]	2.719 [69.06]	2.031 [51.59]	6.70 [170.18]	–	2.500-16 UN
32	–	44	16	.625 [15.87]	.937 [23.80]	1	2.690 [68.33]	2.000 [50.80]	2.969 [75.41]	2.031 [51.59]	6.08 [154.43]	–	1.437-18 UNEF
33	–	44	24	1.000 [25.40]	1.375 [34.92]	1	2.690 [68.33]	2.024 [51.41]	2.969 [75.41]	2.031 [51.59]	6.31 [160.27]	–	2.000-18 UNS
34	–	44	32	.1437 [36.50]	.1875 [47.62]	1	2.344 [59.54]	2.600 [66.04]	2.969 [75.41]	2.031 [51.59]	6.70 [170.18]	–	2.500-16 UN
35	–	48	16	.625 [15.87]	.937 [23.80]	1	2.690 [68.33]	2.000 [50.80]	3.219 [81.76]	2.031 [51.59]	6.08 [154.43]	–	1.437-18 UNEF
36	–	48	24	1.000 [25.40]	1.375 [34.92]	1	2.690 [68.33]	2.024 [51.41]	3.219 [81.76]	2.031 [51.59]	6.31 [160.27]	–	2.000-18 UNS
37	–	48	32	.1437 [36.50]	.1875 [47.62]	1	2.344 [59.54]	2.600 [66.04]	3.219 [81.76]	2.031 [51.59]	6.70 [170.18]	–	2.500-16 UN
38	–	–	12	.500 [12.70]	.750 [19.05]	1	2.450 [62.23]	1.916 [48.67]	1.653 [41.99]	1.063 [27.00]	4.81 [122.17]	–	1.1875-18 UNS
39	–	–	20	.875 [22.22]	1.184 [30.07]	1	2.093 [53.16]	2.230 [56.64]	1.653 [41.99]	1.063 [27.00]	4.98 [126.49]	–	1.750-18 UNS
40	16	16,16S	10	.350 [8.89]	.625 [15.87]	1	2.110 [53.59]	1.844 [46.84]	1.112 [28.24]	.781 [19.84]	4.16 [105.66]	–	1.000-20 UNEF
41	18	18	4	.125 [3.17]	.312 [7.92]	1	2.300 [58.42]	1.544 [39.22]	1.218 [30.94]	.968 [24.59]	4.13 [104.90]	–	.625-24 UNEF
42	18	18	6	.250 [6.35]	.437 [11.10]	1	2.300 [58.42]	1.544 [39.22]	1.218 [30.94]	.968 [24.59]	4.20 [106.68]	–	.750-20 UNEF
43	20	20	6	.250 [6.35]	.437 [11.10]	1	2.300 [58.42]	1.544 [39.22]	1.345 [34.16]	.968 [24.59]	4.20 [106.68]	–	.750-20 UNEF
44	22	22	4	.125 [3.17]	.312 [7.92]	1	2.450 [62.23]	1.544 [39.22]	1.468 [37.29]	1.063 [27.00]	4.34 [110.24]	–	.625-24 UNEF
45	22	22	6	.250 [6.35]	.437 [11.10]	1	2.450 [62.23]	1.544 [39.22]	1.468 [37.29]	1.063 [27.00]	4.40 [111.76]	–	.750-20 UNEF
46	24	24	10	.350 [8.89]	.625 [15.87]	1	2.450 [62.23]	1.844 [46.84]	1.593 [40.46]	1.063 [27.00]	4.68 [118.87]	–	1.000-20 UNEF
47	–	36	12	.500 [12.70]	.750 [19.05]	1	2.690 [68.33]	1.916 [48.67]	2.469 [62.71]	1.281 [32.54]	5.20 [132.08]	–	1.187-18 UNEF
48	–	40	12	.500 [12.70]	.750 [19.05]	1	2.690 [68.33]	1.916 [48.67]	2.719 [69.06]	2.031 [51.59]	5.95 [151.13]	–	1.187-18 UNEF
49	10	10S,10SL	6	.250 [6.35]	.437 [11.10]	2	1.910 [48.51]	1.544 [39.22]	.734 [18.64]	1.375 [34.92]	4.33 [109.98]	.858 [21.79]	.750-20 UNEF
50	14	14,14S	12	.500 [12.70]	.750 [19.05]	2	2.300 [58.42]	1.916 [48.67]	.984 [24.99]	1.717 [43.61]	5.36 [136.14]	1.218 [30.94]	1.187-18 UNEF
51	16	16,16S	16	.625 [15.87]	.937 [23.80]	2	2.450 [62.23]	2.000 [50.80]	1.112 [28.24]	1.812 [46.02]	5.70 [144.78]	1.468 [37.29]	1.437-18 UNEF
52	18	18	12	.500 [12.70]	.750 [19.05]	1	2.300 [58.42]	1.916 [48.67]	1.218 [30.94]	.968 [24.59]	4.61 [117.09]	–	1.187-18 UNEF
53	–	–	16	.625 [15.87]	.937 [23.80]	1	2.450 [62.23]	2.000 [50.80]	1.653 [41.99]	1.063 [27.00]	4.95 [125.73]	–	1.4375-18 UNEF
54	20	20	12	.500 [12.70]	.750 [19.05]	1	2.300 [58.42]	1.916 [48.67]	1.345 [34.16]	.968 [24.59]	4.61 [117.09]	–	1.187-18 UN
55	20	20	20	.875 [22.22]	1.250 [31.75]	2	2.500 [63.50]	2.230 [56.64]	1.345 [34.16]	1.936 [49.17]	6.14 [155.96]	1.969 [50.01]	1.750-18 UNS
56	22	22	10	.350 [8.89]	.625 [15.87]	1	2.450 [62.23]	1.844 [46.84]	1.468 [37.29]	1.063 [27.00]	4.68 [118.87]	–	1.000-20 UNEF
57	22	22	16	.625 [15.87]	.937 [23.80]	1	2.450 [62.23]	2.000 [50.80]	1.468 [37.29]	1.063 [27.00]	4.95 [125.73]	–	1.437-18 UNEF
58	22	22	20	.875 [22.22]	1.250 [31.75]	2	2.500 [63.50]	2.230 [56.64]	1.468 [37.29]	1.936 [49.17]	6.14 [155.96]	1.969 [50.01]	1.750-18 UNS
59	24	24	16	.625 [15.87]	.937 [23.80]	1	2.450 [62.23]	2.000 [50.80]	2.093 [53.16]	1.063 [27.00]	4.95 [125.73]	–	1.437-18 UNEF
60	–	28	12	.500 [12.70]	.750 [19.05]	1	2.500 [63.50]	1.916 [48.67]	1.969 [50.01]	1.188 [30.18]	4.97 [126.24]	–	1.187-18 UNEF

Dimensions in brackets [] are in millimeters.

Continued on Next Page

45° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF06

Continued from Previous Page

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B ±.062 [±1.57]	C REF.	ØD MAX.	E ±.125 [±3.17]	F MAX	ØG MAX.	V THREAD CLASS 2A
	MIL- DTL-26482 SERIES 2	MIL- DTL-5015 CRIMP		MIN.	MAX.								
61	—	28	20	.875 [22.22]	1.250 [31.75]	1	2.500 [63.50]	2.230 [56.64]	1.969 [50.01]	1.188 [30.18]	5.39 [136.91]	—	1.750-18 UNS
62	—	32	24	1.000 [25.40]	1.375 [34.92]	1	2.600 [66.04]	2.024 [51.41]	2.219 [56.36]	1.250 [31.75]	5.47 [138.94]	—	2.000-18 UNS
63	—	36	20	.875 [22.22]	1.250 [31.75]	1	2.690 [68.33]	2.230 [56.64]	2.469 [62.71]	1.281 [32.54]	5.62 [142.75]	—	1.750-18 UNS
64	—	36	28	1.250 [31.75]	1.625 [41.27]	1	2.690 [68.33]	2.550 [64.77]	2.469 [62.71]	1.281 [32.54]	6.08 [154.43]	—	2.250-16 UN
65	—	40	20	.875 [22.22]	1.250 [31.75]	1	2.690 [68.33]	2.230 [56.64]	2.719 [69.06]	2.031 [51.59]	6.37 [161.80]	—	1.750-18 UNEF
66	—	40	28	1.250 [31.75]	1.625 [41.27]	1	2.690 [68.33]	2.550 [64.77]	2.719 [69.06]	2.031 [51.59]	6.83 [173.48]	—	2.250-16 UN
67	—	44	20	.875 [22.22]	1.250 [31.75]	1	2.690 [68.33]	2.230 [56.64]	2.969 [75.41]	2.031 [51.59]	6.37 [161.80]	—	1.750-18 UNS
68	—	44	28	1.250 [31.75]	1.625 [41.27]	1	2.690 [68.33]	2.550 [64.77]	2.969 [75.41]	2.031 [51.59]	6.83 [173.48]	—	2.250-16 UN
69	—	48	20	.875 [22.22]	1.250 [31.75]	1	2.690 [68.33]	2.230 [56.64]	3.219 [81.76]	2.031 [51.59]	6.37 [161.80]	—	1.750-18 UNS
70	—	48	28	1.250 [31.75]	1.625 [41.27]	1	2.690 [68.33]	2.550 [64.77]	3.219 [81.76]	2.031 [51.59]	6.83 [173.48]	—	2.250-16 UN
71	12	12,12S	10	.350 [8.89]	.625 [15.87]	2	2.110 [53.59]	1.844 [46.84]	.858 [21.79]	1.529 [38.84]	4.90 [124.46]	1.112 [28.24]	1.000-20 UNEF
72	18	18	16	.625 [15.87]	.937 [23.80]	2	2.450 [62.23]	2.000 [50.80]	1.218 [30.94]	1.812 [46.02]	5.69 [144.53]	1.468 [37.29]	1.437-18 UNEF
73	24	24	20	.875 [22.22]	1.250 [31.75]	2	2.500 [63.50]	2.230 [56.64]	1.468 [37.29]	1.936 [49.17]	6.13 [155.70]	1.969 [50.01]	1.750-18 UNS
74	14	14,14S	4	.125 [3.17]	.312 [7.92]	1	2.000 [50.80]	1.544 [39.22]	.984 [24.99]	.688 [17.48]	3.64 [92.46]	—	.625-24 UNEF
75	16	16,16S	4	.125 [3.17]	.312 [7.92]	1	2.110 [53.59]	1.544 [39.22]	1.112 [28.24]	.781 [19.84]	3.81 [96.77]	—	.625-24 UNEF

Dimensions in brackets [] are in millimeters.

3D

90° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF08

For **SC30**, **SC50** & **SC70** Series (MIL-DTL-5015 Crimp & MIL-DTL-26482 Series 2)

ORDERING INFORMATION

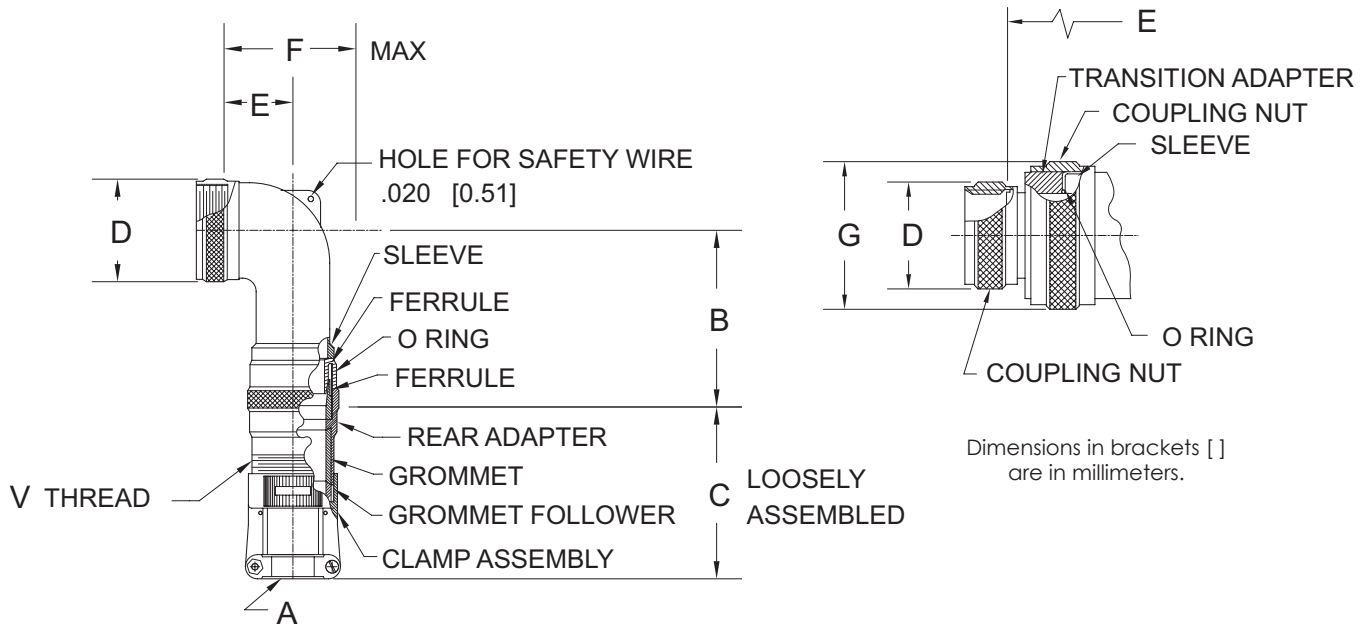
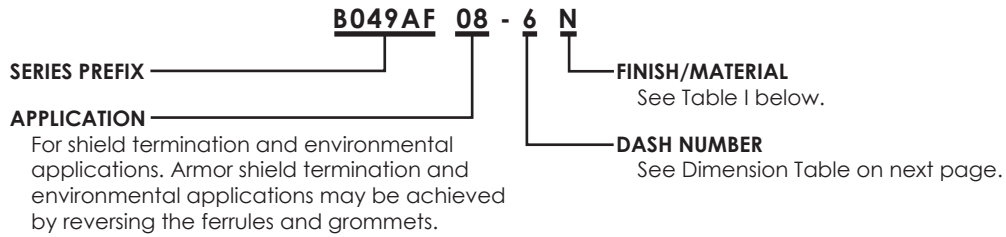


TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
B	Black cadmium - In accordance with AMS-QQ-P-416, Type II, Class 3.	Stainless Steel	-65 to +175 °C	Not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.		-65 to +200 °C	

90° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF08

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B ±.062 [±1.57]	C REF.	ØD MAX.	E ±.125 [±3.17]	F MAX	ØG MAX.	V THREAD CLASS 2A
	MIL- DTL-26482 SERIES 2	MIL- DTL-5015 CRIMP		MIN.	MAX.								
3	8	8S	4	.125 [3.17]	.250 [6.35]	1	1.200 [30.48]	1.544 [39.22]	.617 [15.67]	.541 [13.74]	1.09 [27.69]	-	.625-24 UNEF
4	10	10S, 10SL	4	.125 [3.17]	.312 [7.92]	1	1.920 [48.77]	1.544 [39.22]	.734 [18.64]	.636 [16.15]	1.18 [29.97]	-	.625-24 UNEF
5	10	10S, 10SL	6	.250 [6.35]	.375 [9.52]	1	1.320 [33.53]	1.544 [39.22]	.734 [18.64]	.636 [16.15]	1.27 [32.26]	-	.750-20 UNEF
6	12	12, 12S	4	.125 [3.17]	.312 [7.92]	1	1.940 [49.28]	1.544 [39.22]	.858 [21.79]	.641 [16.28]	1.18 [29.97]	-	.625-24 UNEF
7	12	12, 12S	6	.250 [6.35]	.437 [11.10]	1	1.940 [49.28]	1.544 [39.22]	.858 [21.79]	.641 [16.28]	1.28 [32.51]	-	.750-20 UNEF
8	12	12, 12S	10	.350 [8.89]	.500 [12.70]	1	1.335 [33.91]	1.844 [46.84]	.858 [21.79]	.641 [16.28]	1.37 [34.80]	-	1.000-20 UNEF
9	14	14, 14S	6	.250 [6.35]	.437 [11.10]	1	2.010 [51.05]	1.544 [39.22]	.984 [24.99]	.741 [18.82]	1.38 [35.05]	-	.750-20 UNEF
10	14	14, 14S	10	.350 [8.89]	.575 [14.60]	1	1.655 [42.04]	1.844 [46.84]	.984 [24.99]	.741 [18.82]	1.47 [37.34]	-	1.000-20 UNEF
11	16	16, 16S	6	.250 [6.35]	.437 [11.10]	1	2.100 [53.34]	1.544 [39.22]	1.112 [28.24]	.926 [23.52]	1.59 [40.39]	-	.750-20 UNEF
12	16	16, 16S	12	.500 [12.70]	.700 [17.78]	1	1.745 [44.32]	1.916 [48.67]	1.112 [28.24]	.926 [23.52]	1.77 [44.96]	-	1.187-18 UNEF
13	18	18	10	.350 [8.89]	.625 [15.87]	1	2.270 [57.66]	1.844 [46.84]	1.218 [30.94]	1.016 [25.81]	1.80 [45.72]	-	1.000-20 UNEF
14	18	18	16	.625 [15.87]	.779 [19.79]	1	1.920 [48.77]	2.000 [50.80]	1.218 [30.94]	1.016 [25.81]	1.97 [50.04]	-	1.437-18 UNEF
15	20	20	10	.350 [8.89]	.625 [15.87]	1	2.270 [57.66]	1.844 [46.84]	1.345 [34.16]	1.016 [25.81]	1.80 [45.72]	-	1.000-20 UNEF
16	20	20	16	.625 [15.87]	.904 [22.96]	1	1.920 [48.77]	2.000 [50.80]	1.345 [34.16]	1.016 [25.81]	1.97 [50.04]	-	1.437-18 UNEF
17	22	22	12	.500 [12.70]	.750 [19.05]	1	2.380 [60.45]	1.916 [48.67]	1.468 [37.29]	1.166 [29.62]	2.11 [53.59]	-	1.187-18 UNEF
18	22	22	20	.875 [22.22]	1.029 [26.14]	1	2.025 [51.43]	2.230 [56.64]	1.468 [37.29]	1.166 [29.62]	2.29 [58.17]	-	1.750-18 UNS
19	24	24	12	.500 [12.70]	.750 [19.05]	1	2.380 [60.45]	1.916 [48.67]	1.593 [40.46]	1.166 [29.62]	2.11 [53.59]	-	1.187-18 UNEF
20	24	24	20	.875 [22.22]	1.144 [29.06]	1	2.025 [51.43]	2.230 [56.64]	1.593 [40.46]	1.166 [29.62]	2.29 [58.17]	-	1.750-18 UNS
21	-	28	16	.625 [15.87]	.937 [23.80]	1	2.550 [64.77]	2.000 [50.80]	1.969 [50.01]	1.266 [32.16]	2.33 [59.18]	-	1.437-18 UNEF
22	-	28	24	1.000 [25.40]	1.375 [34.92]	1	2.195 [55.75]	2.024 [51.41]	1.969 [50.01]	1.266 [32.16]	2.51 [63.75]	-	2.000-18 UNS
23	-	32	16	.625 [15.87]	.937 [23.80]	1	2.800 [71.12]	2.000 [50.80]	2.219 [56.36]	1.616 [41.05]	2.81 [71.37]	-	1.437-18 UNEF
24	-	32	20	.875 [22.22]	1.250 [31.75]	1	2.800 [71.12]	2.230 [56.64]	2.219 [56.36]	1.616 [41.05]	2.81 [71.37]	-	1.750-18 UNS
25	-	32	28	1.250 [31.75]	1.625 [41.27]	1	2.445 [62.10]	2.550 [64.77]	2.219 [56.36]	1.616 [41.05]	3.07 [77.98]	-	2.250-16 UN
26	-	36	16	.625 [15.87]	.937 [23.80]	1	2.770 [70.36]	2.000 [50.80]	2.469 [62.71]	1.816 [46.13]	3.13 [79.50]	-	1.437-18 UNEF
27	-	36	24	1.000 [25.40]	1.375 [34.92]	1	2.770 [70.36]	2.024 [51.41]	2.469 [62.71]	1.816 [46.13]	3.13 [79.50]	-	2.000-18 UNS
28	-	36	32	1.437 [36.50]	1.840 [46.74]	1	2.415 [61.34]	2.600 [66.04]	2.469 [62.71]	1.816 [46.13]	3.39 [86.11]	-	2.500-16 UN
29	-	40	16	.625 [15.87]	.937 [23.80]	1	2.770 [70.36]	2.000 [50.80]	2.719 [69.06]	2.566 [65.18]	3.88 [98.55]	-	1.437-18 UNEF
30	-	40	24	1.000 [25.40]	1.375 [34.92]	1	2.770 [70.36]	2.024 [51.41]	2.719 [69.06]	2.566 [65.18]	3.88 [98.55]	-	2.000-18 UNS

Dimensions in brackets [] are in millimeters.

Continued on Next Page

90° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF08

Continued from Previous Page

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B ±.062 [±1.57]	C REF.	ØD MAX.	E ±.125 [±3.17]	F MAX	ØG MAX.	V THREAD CLASS 2A
	MIL- DTL-26482 SERIES 2	MIL- DTL-5015 CRIMP		MIN.	MAX.								
31	–	40	32	1.437 [36.50]	1.875 [47.62]	1	2.415 [61.34]	2.600 [66.04]	2.719 [69.06]	2.566 [65.18]	4.14 [105.16]	–	2.500-16 UN
32	–	44	16	.625 [15.87]	.937 [23.80]	1	2.770 [70.36]	2.000 [50.80]	2.969 [75.41]	2.566 [65.18]	3.88 [98.55]	–	1.437-18 UNEF
33	–	44	24	1.000 [25.40]	1.375 [34.92]	1	2.770 [70.36]	2.024 [51.41]	2.969 [75.41]	2.566 [65.18]	3.88 [98.55]	–	2.000-18 UNS
34	–	44	32	1.437 [36.50]	1.875 [47.62]	1	2.415 [61.34]	2.600 [66.04]	2.969 [75.41]	2.566 [65.18]	4.14 [105.16]	–	2.500-16 UN
35	–	48	16	.625 [15.87]	.937 [23.80]	1	2.770 [70.36]	2.000 [50.80]	3.219 [81.76]	2.566 [65.18]	3.88 [98.55]	–	1.437-18 UNEF
36	–	48	24	1.000 [25.40]	1.375 [34.92]	1	2.770 [70.36]	2.024 [51.41]	3.219 [81.76]	2.566 [65.18]	3.88 [98.55]	–	2.000-18 UNS
37	–	48	32	1.437 [36.50]	1.875 [47.62]	1	2.415 [61.34]	2.600 [66.04]	3.219 [81.76]	2.566 [65.18]	4.14 [105.16]	–	2.500-16 UN
40	16	16, 16S	10	.350 [8.89]	.625 [15.87]	1	2.100 [53.34]	1.844 [46.84]	1.112 [28.24]	.926 [23.52]	1.66 [42.16]	–	1.000-20 UNEF
41	18	18	4	.125 [3.17]	.312 [7.92]	1	2.270 [57.66]	1.544 [39.22]	1.218 [30.94]	1.016 [25.81]	1.80 [45.72]	–	.625-24 UNEF
42	18	18	6	.250 [6.35]	.437 [11.10]	1	2.270 [57.66]	1.544 [39.22]	1.218 [30.94]	1.016 [25.81]	1.80 [45.72]	–	.750-20 UNEF
43	20	20	6	.250 [6.35]	.437 [11.10]	1	2.270 [57.66]	1.544 [39.22]	1.345 [34.16]	1.016 [25.81]	1.80 [45.72]	–	.750-20 UNEF
44	22	22	4	.125 [3.17]	.312 [7.92]	1	2.380 [60.45]	1.544 [39.22]	1.468 [37.29]	1.166 [29.62]	2.11 [53.59]	–	.625-24 UNEF
45	22	22	6	.250 [6.35]	.437 [11.10]	1	2.380 [60.45]	1.544 [39.22]	1.468 [37.29]	1.166 [29.62]	2.11 [53.59]	–	.750-20 UNEF
46	24	24	10	.350 [8.89]	.625 [15.87]	1	2.380 [60.45]	1.844 [46.84]	1.593 [40.46]	1.166 [29.62]	2.11 [53.59]	–	1.000-20 UNEF
47	–	36	12	.500 [12.70]	.750 [19.05]	1	2.770 [70.36]	1.916 [48.67]	2.469 [62.71]	1.816 [46.13]	3.13 [79.50]	–	1.187-18 UNEF
48	–	40	12	.500 [12.70]	.750 [19.05]	1	2.770 [70.36]	1.916 [48.67]	2.719 [69.06]	1.816 [46.13]	3.88 [98.55]	–	1.187-18 UNEF
49	10	10S, 10SL	6	.250 [6.35]	.437 [11.10]	2	1.940 [49.28]	1.544 [39.22]	.734 [18.64]	1.391 [35.33]	2.03 [51.56]	.858 [21.79]	.750-20 UNEF
50	14	14, 14S	12	.500 [12.70]	.750 [19.05]	2	2.270 [57.66]	1.916 [48.67]	.984 [24.99]	1.766 [44.86]	2.61 [66.29]	1.218 [30.94]	1.187-18 UNEF
51	16	16, 16S	16	.625 [15.87]	.937 [23.80]	2	2.380 [60.45]	2.000 [50.80]	1.112 [28.24]	1.916 [48.67]	2.87 [72.90]	1.468 [37.29]	1.437-18 UNEF
52	18	18	12	.500 [12.70]	.750 [19.05]	1	2.270 [57.66]	1.916 [48.67]	1.218 [30.94]	1.016 [25.81]	1.86 [47.24]	–	1.188-18 UNEF
54	20	20	12	.500 [12.70]	.750 [19.05]	1	2.270 [57.66]	1.916 [48.67]	1.345 [34.16]	1.016 [25.81]	1.86 [47.24]	–	1.188-18 UNEF
55	20	20	20	.875 [22.22]	1.250 [31.75]	2	2.550 [64.77]	2.230 [56.64]	1.345 [34.16]	2.016 [51.21]	3.14 [79.76]	1.969 [50.01]	1.750-16 UNS
56	22	22	10	.350 [8.89]	.625 [15.87]	1	2.380 [60.45]	1.844 [46.84]	1.468 [37.29]	1.166 [29.62]	2.11 [53.59]	–	1.000-20 UNEF
57	22	22	16	.625 [15.87]	.937 [23.80]	1	2.380 [60.45]	2.000 [50.80]	1.468 [37.29]	1.166 [29.62]	2.12 [53.85]	–	1.437-18 UNEF
58	22	22	20	.875 [22.22]	1.250 [31.75]	2	2.550 [64.77]	2.230 [56.64]	1.468 [37.29]	2.016 [51.21]	3.14 [79.76]	1.969 [50.01]	1.750-18 UNS
59	24	24	16	.625 [15.87]	.937 [23.80]	1	2.380 [60.45]	2.000 [50.80]	2.093 [53.16]	1.166 [29.62]	2.14 [54.36]	–	1.437-18 UNEF
60	–	28	12	.500 [12.70]	.750 [19.05]	1	2.550 [64.77]	1.916 [48.67]	1.969 [50.01]	1.266 [32.16]	2.33 [59.18]	–	1.188-18 UNEF

Dimensions in brackets [] are in millimeters.

Continued on Next Page

90° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF08

Continued from Previous Page

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B ±.062 [±1.57]	C REF.	ØD MAX.	E ±.125 [±3.17]	F MAX	ØG MAX.	V THREAD CLASS 2A
	MIL- DTL-26482 SERIES 2	MIL- DTL-5015 CRIMP		MIN.	MAX.								
61	–	28	20	.875 [22.22]	1.250 [31.75]	1	2.550 [64.77]	2.230 [56.64]	1.969 [50.01]	1.266 [32.16]	2.39 [60.71]	–	1.750-18 UNS
62	–	32	24	1.000 [25.40]	1.375 [34.92]	1	2.800 [71.12]	2.024 [51.41]	2.219 [56.36]	1.616 [41.05]	2.86 [72.64]	–	2.000-18 UNS
63	–	36	20	.875 [22.22]	1.250 [31.75]	1	2.770 [70.36]	2.230 [56.64]	2.469 [62.71]	1.816 [46.13]	3.13 [79.50]	–	1.750-18 UNS
64	–	36	28	1.250 [31.75]	1.625 [41.27]	1	2.770 [70.36]	2.550 [64.77]	2.469 [62.71]	1.816 [46.13]	3.27 [83.06]	–	2.250-16 UN
65	–	40	20	.875 [22.22]	1.250 [31.75]	1	2.770 [70.36]	2.230 [56.64]	2.719 [69.06]	2.566 [65.18]	3.88 [98.55]	–	1.750-18 UNS
66	–	40	28	1.250 [31.75]	1.625 [41.27]	1	2.770 [70.36]	2.550 [64.77]	2.719 [69.06]	2.566 [65.18]	4.02 [102.11]	–	2.250-16 UN
67	–	44	20	.875 [22.22]	1.250 [31.75]	1	2.770 [70.36]	2.230 [56.64]	2.969 [75.41]	2.566 [65.18]	3.88 [98.55]	–	1.750-18 UNS
68	–	44	28	1.250 [31.75]	1.625 [41.27]	1	2.770 [70.36]	2.550 [64.77]	2.969 [75.41]	2.566 [65.18]	4.02 [102.11]	–	2.250-16 UN
69	–	48	20	.875 [22.22]	1.250 [31.75]	1	2.770 [70.36]	2.230 [56.64]	3.219 [81.76]	2.566 [65.18]	3.88 [98.55]	–	1.750-18 UNS
70	–	48	28	1.250 [31.75]	1.625 [41.27]	1	2.770 [70.36]	2.550 [64.77]	3.219 [81.76]	2.566 [65.18]	4.02 [102.11]	–	2.250-16 UN
71	12	12, 12S	10	.350 [8.89]	.625 [15.87]	2	2.100 [53.34]	1.844 [46.84]	.858 [21.79]	1.686 [42.82]	2.42 [61.47]	1.112 [28.24]	1.000-20 UNEF
72	18	18	16	.625 [15.87]	.937 [23.80]	2	2.380 [60.45]	2.000 [50.80]	1.218 [30.94]	1.926 [48.92]	2.88 [73.15]	1.468 [37.29]	1.437-18 UNEF
73	24	24	20	.875 [22.22]	1.250 [31.75]	2	2.550 [64.77]	2.230 [56.64]	1.468 [37.29]	2.026 [51.46]	3.15 [80.01]	1.969 [50.01]	1.750-18 UNS
74	14	14, 14S	4	.125 [3.17]	.312 [7.92]	1	2.010 [51.05]	1.544 [39.22]	.984 [24.99]	.741 [18.82]	1.31 [33.27]	–	.625-24 UNEF
75	16	16, 16S	4	.125 [3.17]	.312 [7.92]	1	2.100 [53.34]	1.544 [39.22]	1.112 [28.24]	.926 [23.52]	1.59 [40.39]	–	.625-24 UNEF

Dimensions in brackets [] are in millimeters.

3D

STRAIGHT ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF10

For **SC30**, **SC50** & **SC70** Series (MIL-DTL-5015 Crimp & MIL-DTL-26482 Series 2)

ORDERING INFORMATION

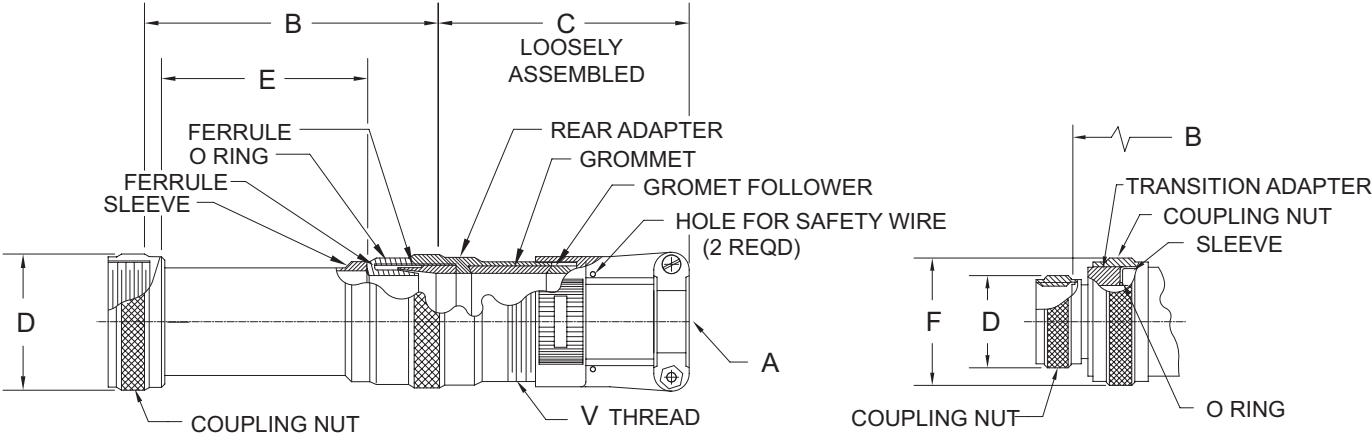
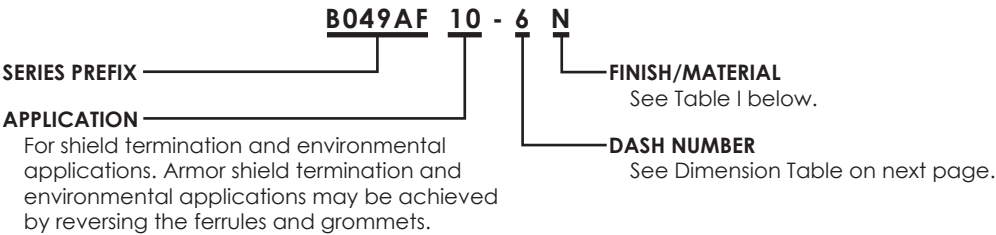


TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
B	Black cadmium - In accordance with AMS-QQ-P-416, Type II, Class 3.	Stainless Steel	-65 to +175 °C	Not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.		-65 to +200 °C	
XS	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
ZS	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

STRAIGHT ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF10

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B ±.125 [±3.17]	C REF.	ØD MAX.	E REF.	F MAX	V THREAD CLASS 2A
	MIL- DTL-26482 SERIES 2	MIL- DTL-5015 CRIMP		MIN.	MAX.							
1	–	–	4	.125 [3.17]	.250 [6.35]	1	2.00 [50.80]	1.544 [39.22]	.669 [16.99]	1.06 [26.92]	–	.625-24 UNEF
2	–	–	4	.125 [3.17]	.250 [6.35]	1	3.00 [76.20]	1.544 [39.22]	.669 [16.99]	2.06 [52.32]	–	.625-24 UNEF
3	–	–	6	.250 [6.35]	.437 [11.10]	2	2.75 [69.85]	1.544 [39.22]	.669 [16.99]	1.81 [45.97]	.858 [21.79]	.750-20 UNEF
4	–	–	6	.250 [6.35]	.437 [11.10]	2	3.75 [95.25]	1.544 [39.22]	.669 [16.99]	2.81 [71.37]	.858 [21.79]	.750-20 UNEF
5	8	8S	4	.125 [3.17]	.250 [6.35]	1	2.00 [50.80]	1.544 [39.22]	.617 [15.67]	1.06 [26.92]	–	.625-24 UNEF
6	8	8S	4	.125 [3.17]	.250 [6.35]	1	3.00 [76.20]	1.544 [39.22]	.617 [15.67]	2.06 [52.32]	–	.625-24 UNEF
7	8	8S	6	.250 [6.35]	.437 [11.10]	2	2.75 [69.85]	1.544 [39.22]	.617 [15.67]	1.81 [45.97]	.858 [21.79]	.750-20 UNEF
8	8	8S	6	.250 [6.35]	.437 [11.10]	2	3.75 [95.25]	1.544 [39.22]	.617 [15.67]	2.81 [71.37]	.858 [21.79]	.750-20 UNEF
9	10	10S, 10SL	4	.125 [3.17]	.312 [7.92]	1	2.00 [50.80]	1.544 [39.22]	.734 [18.64]	1.06 [26.92]	–	.625-24 UNEF
10	10	10S, 10SL	4	.125 [3.17]	.312 [7.92]	1	3.00 [76.20]	1.544 [39.22]	.734 [18.64]	2.06 [52.32]	–	.625-24 UNEF
11	10	10S, 10SL	6	.250 [6.35]	.437 [11.10]	2	2.75 [69.85]	1.544 [39.22]	.734 [18.64]	1.81 [45.97]	.858 [21.79]	.750-20 UNEF
12	10	10, 10SL	6	.250 [6.35]	.437 [11.10]	2	3.75 [95.25]	1.544 [39.22]	.734 [18.64]	2.81 [71.37]	.858 [21.79]	.750-20 UNEF
13	12	12, 12S	6	.250 [6.35]	.437 [11.10]	1	2.00 [50.80]	1.544 [39.22]	.858 [21.79]	1.06 [26.92]	–	.750-20 UNEF
14	12	12, 12S	6	.250 [6.35]	.437 [11.10]	1	3.00 [76.20]	1.544 [39.22]	.858 [21.79]	2.06 [52.32]	–	.750-20 UNEF
15	12	12, 12S	10	.350 [8.89]	.625 [15.87]	2	2.75 [69.85]	1.844 [46.84]	.858 [21.79]	1.67 [42.42]	1.112 [28.24]	1.000-20 UNEF
16	12	12, 12S	10	.350 [8.89]	.625 [15.87]	2	3.75 [95.25]	1.844 [46.84]	.858 [21.79]	2.67 [67.82]	1.112 [28.24]	1.000-20 UNEF
17	14	14, 14S	10	.350 [8.89]	.575 [14.60]	1	2.00 [50.80]	1.844 [46.84]	.984 [24.99]	.92 [23.37]	–	1.000-20 UNEF
18	14	14, 14S	10	.350 [8.89]	.575 [14.60]	1	3.00 [76.20]	1.844 [46.84]	.984 [24.99]	1.92 [48.77]	–	1.000-20 UNEF
19	14	14, 14S	12	.500 [12.70]	.750 [19.05]	2	2.75 [69.85]	1.916 [48.67]	.984 [24.99]	1.67 [42.42]	1.112 [28.24]	1.187-18 UNEF
20	14	14, 14S	12	.500 [12.70]	.750 [19.05]	2	3.75 [95.25]	1.916 [48.67]	.984 [24.99]	2.67 [67.82]	1.112 [28.24]	1.187-18 UNEF
21	16	16, 16S	12	.500 [12.70]	.700 [17.78]	1	2.00 [50.80]	1.916 [48.67]	1.112 [28.24]	.92 [23.37]	–	1.187-18 UNEF
22	16	16, 16S	12	.500 [12.70]	.700 [17.78]	1	3.00 [76.20]	1.916 [48.67]	1.112 [28.24]	1.92 [48.77]	–	1.187-18 UNEF
23	16	16, 16S	16	.625 [15.87]	.937 [23.80]	2	2.75 [69.85]	2.000 [50.80]	1.112 [28.24]	1.67 [42.42]	1.468 [37.29]	1.437-18 UNEF
24	16	16, 16S	16	.625 [15.87]	.937 [23.80]	2	3.75 [95.25]	2.000 [50.80]	1.112 [28.24]	2.67 [67.82]	1.468 [37.29]	1.437-18 UNEF
25	18	18	10	.350 [8.89]	.625 [15.87]	1	2.00 [50.80]	1.844 [46.84]	1.218 [30.94]	.92 [23.37]	–	1.000-20 UNEF
26	18	18	10	.350 [8.89]	.625 [15.87]	1	3.00 [76.20]	1.844 [46.84]	1.218 [30.94]	1.92 [48.77]	–	1.000-20 UNEF
27	18	18	12	.500 [12.70]	.750 [19.05]	1	2.00 [50.80]	1.916 [48.67]	1.218 [30.94]	.92 [23.37]	–	1.187-18 UNEF
28	18	18	12	.500 [12.70]	.750 [19.05]	1	3.00 [76.20]	1.916 [48.67]	1.218 [30.94]	1.92 [48.77]	–	1.187-18 UNEF
29	18	18	16	.625 [15.87]	.937 [23.80]	2	2.75 [69.85]	2.000 [50.80]	1.218 [30.94]	1.67 [42.42]	1.468 [37.29]	1.437-18 UNEF
30	18	18	16	.625 [15.87]	.937 [23.80]	2	3.75 [95.25]	2.000 [50.80]	1.218 [30.94]	2.67 [67.82]	1.468 [37.29]	1.437-18 UNEF
31	20	20	10	.350 [8.89]	.625 [15.87]	1	3.00 [76.20]	1.844 [46.84]	1.345 [34.16]	1.92 [48.77]	–	1.000-20 UNEF

Dimensions in brackets [] are in millimeters.

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STRAIGHT ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

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DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B ±.125 [±3.17]	C REF.	ØD MAX.	E REF.	F MAX	V THREAD CLASS 2A
	MIL- DTL-26482 SERIES 2	MIL- DTL-5015 CRIMP		MIN.	MAX.							
32	20	20	10	.350 [8.89]	.625 [15.87]	1	4.00 [101.60]	1.844 [46.84]	1.345 [34.16]	2.92 [74.17]	—	1.000–20 UNEF
33	20	20	12	.500 [12.70]	.750 [19.05]	1	3.00 [76.20]	1.916 [48.67]	1.345 [34.16]	1.92 [48.77]	—	1.187–18 UNEF
34	20	20	12	.500 [12.70]	.750 [19.05]	1	4.00 [101.60]	1.916 [48.67]	1.345 [34.16]	2.92 [74.17]	—	1.187–18 UNEF
35	20	20	16	.625 [15.87]	.937 [23.80]	2	3.75 [95.25]	2.000 [50.80]	1.345 [34.16]	2.67 [67.82]	1.468 [37.29]	1.437–18 UNEF
36	20	20	16	.625 [15.87]	.937 [23.80]	2	4.75 [120.65]	2.000 [50.80]	1.345 [34.16]	3.67 [93.22]	1.468 [37.29]	1.437–18 UNEF
37	20	20	20	.875 [22.22]	1.250 [31.75]	2	3.75 [95.25]	2.230 [56.64]	1.345 [34.16]	2.67 [67.82]	1.969 [50.01]	1.750–18 UNS
38	20	20	20	.875 [22.22]	1.250 [31.75]	2	4.75 [120.65]	2.230 [56.64]	1.345 [34.16]	3.67 [93.22]	1.969 [50.01]	1.750–18 UNS
39	22	22	10	.350 [8.89]	.625 [15.87]	1	3.00 [76.20]	1.844 [46.84]	1.468 [37.29]	1.92 [48.77]	—	1.000–20 UNEF
40	22	22	10	.350 [8.89]	.625 [15.87]	1	4.00 [101.60]	1.844 [46.84]	1.468 [37.29]	2.92 [74.17]	—	1.000–20 UNEF
41	22	22	12	.500 [12.70]	.750 [19.05]	1	3.00 [76.20]	1.916 [48.67]	1.468 [37.29]	1.92 [48.77]	—	1.187–18 UNEF
42	22	22	12	.500 [12.70]	.750 [19.05]	1	4.00 [101.60]	1.916 [48.67]	1.468 [37.29]	2.92 [74.17]	—	1.187–18 UNEF
43	22	22	16	.625 [15.87]	.937 [23.80]	1	3.00 [76.20]	2.000 [50.80]	1.468 [37.29]	1.92 [48.77]	—	1.437–18 UNEF
44	22	22	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	2.000 [50.80]	1.468 [37.29]	2.92 [74.17]	—	1.437–18 UNEF
45	22	22	20	.875 [22.22]	1.250 [31.75]	2	3.75 [95.25]	2.230 [56.64]	1.468 [37.29]	2.67 [67.82]	1.969 [50.01]	1.750–18 UNS
46	22	22	20	.875 [22.22]	1.250 [31.75]	2	4.75 [120.65]	2.230 [56.64]	1.468 [37.29]	3.67 [93.22]	1.969 [50.01]	1.750–18 UNS
47	24	24	12	.500 [12.70]	.750 [19.05]	1	3.00 [76.20]	1.916 [48.67]	1.593 [40.46]	1.92 [48.77]	—	1.187–18 UNEF
48	24	24	12	.500 [12.70]	.750 [19.05]	1	4.00 [101.60]	1.916 [48.67]	1.593 [40.46]	2.92 [74.17]	—	1.187–18 UNEF
49	24	24	16	.625 [15.87]	.812 [20.62]	1	3.00 [76.20]	2.000 [50.80]	1.593 [40.46]	1.92 [48.77]	—	1.437–18 UNEF
50	24	24	16	.625 [15.87]	.812 [20.62]	1	4.00 [101.60]	2.000 [50.80]	1.593 [40.46]	2.92 [74.17]	—	1.437–18 UNEF
51	24	24	16	.625 [15.87]	.937 [23.80]	1	3.00 [76.20]	2.000 [50.80]	1.593 [40.46]	1.92 [48.77]	—	1.437–18 UNEF
52	24	24	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	2.000 [50.80]	1.593 [40.46]	2.92 [74.17]	—	1.437–18 UNEF
53	24	24	20	.875 [22.22]	1.250 [31.75]	2	3.75 [95.25]	2.230 [56.64]	1.593 [40.46]	2.67 [67.82]	1.969 [50.01]	1.750–18 UNS
54	24	24	20	.875 [22.22]	1.250 [31.75]	2	4.75 [120.65]	2.230 [56.64]	1.593 [40.46]	3.67 [93.22]	1.969 [50.01]	1.750–18 UNS
55	—	28	12	.500 [12.70]	.750 [19.05]	1	3.00 [76.20]	1.916 [48.67]	1.969 [50.01]	1.92 [48.77]	—	1.187–18 UNEF
56	—	28	12	.500 [12.70]	.750 [19.05]	1	4.00 [101.60]	1.916 [48.67]	1.969 [50.01]	2.92 [74.17]	—	1.187–18 UNEF
57	—	28	16	.625 [15.87]	.937 [23.80]	1	3.00 [76.20]	2.000 [50.80]	1.969 [50.01]	1.92 [48.77]	—	1.437–18 UNEF
58	—	28	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	2.000 [50.80]	1.969 [50.01]	2.92 [74.17]	—	1.437–18 UNEF
59	—	28	20	.875 [22.22]	1.250 [31.75]	1	3.00 [76.20]	2.230 [56.64]	1.969 [50.01]	1.92 [48.77]	—	1.750–18 UNS
60	—	28	20	.875 [22.22]	1.250 [31.75]	1	4.00 [101.60]	2.230 [56.64]	1.969 [50.01]	2.92 [74.17]	—	1.750–18 UNS
61	—	28	24	1.000 [25.40]	1.375 [34.92]	1	3.00 [76.20]	1.500 [38.10]	1.969 [50.01]	1.92 [48.77]	—	2.000–18 UNS
62	—	28	24	1.000 [25.40]	1.375 [34.92]	1	4.00 [101.60]	1.500 [38.10]	1.969 [50.01]	2.92 [74.17]	—	2.000–18 UNS

Dimensions in brackets [] are in millimeters.

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STRAIGHT ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

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DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B ±.125 [±3.17]	C REF.	ØD MAX.	E REF.	F MAX	V THREAD CLASS 2A
	MIL- DTL-26482 SERIES 2	MIL- DTL-5015 CRIMP		MIN.	MAX.							
63	–	32	16	.625 [15.87]	.937 [23.80]	1	3.00 [76.20]	1.156 [29.36]	2.219 [56.36]	1.92 [48.77]	–	1.437-18 UNEF
64	–	32	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	1.156 [29.36]	2.219 [56.36]	2.92 [74.17]	–	1.437-18 UNEF
65	–	32	20	.875 [22.22]	1.250 [31.75]	1	3.00 [76.20]	1.375 [34.92]	2.219 [56.36]	1.92 [48.77]	–	1.750-18 UNS
66	–	32	20	.875 [22.22]	1.250 [31.75]	1	4.00 [101.60]	1.375 [34.92]	2.219 [56.36]	2.92 [74.17]	–	1.750-18 UNS
67	–	32	24	1.000 [25.40]	1.375 [34.92]	1	3.00 [76.20]	1.500 [38.10]	2.219 [56.36]	1.92 [48.77]	–	2.000-18 UNEF
68	–	32	24	1.000 [25.40]	1.375 [34.92]	1	4.00 [101.60]	1.500 [38.10]	2.219 [56.36]	2.92 [74.17]	–	2.000-18 UNEF
69	–	32	28	1.250 [31.75]	1.625 [41.27]	1	3.00 [76.20]	1.781 [45.24]	2.219 [56.36]	1.92 [48.77]	–	2.250-16 UN
70	–	32	28	1.250 [31.75]	1.625 [41.27]	1	4.00 [101.60]	1.781 [45.24]	2.219 [56.36]	2.92 [74.17]	–	2.250-16 UN
71	–	36	20	.875 [22.22]	1.250 [31.75]	1	4.00 [101.60]	1.375 [34.92]	2.469 [62.71]	2.92 [74.17]	–	1.750-18 UNS
72	–	36	20	.875 [22.22]	1.250 [31.75]	1	5.00 [127.00]	1.375 [34.92]	2.469 [62.71]	3.92 [99.57]	–	1.750-18 UNS
73	–	36	24	1.000 [25.40]	1.375 [34.92]	1	4.00 [101.60]	1.500 [38.10]	2.469 [62.71]	2.92 [74.17]	–	2.000-18 UNS
74	–	36	24	1.000 [25.40]	1.375 [34.92]	1	5.00 [127.00]	1.500 [38.10]	2.469 [62.71]	3.92 [99.57]	–	2.000-18 UNS
75	–	36	28	1.250 [31.75]	1.625 [41.27]	1	4.00 [101.60]	1.781 [45.24]	2.469 [62.71]	2.92 [74.17]	–	2.250-16 UN
76	–	36	28	1.250 [31.75]	1.625 [41.27]	1	5.00 [127.00]	1.781 [45.24]	2.469 [62.71]	3.92 [99.57]	–	2.250-16 UN
77	–	36	32	1.437 [36.50]	1.875 [47.62]	2	4.88 [123.95]	1.830 [46.48]	2.469 [62.71]	3.80 [96.52]	2.719 [69.06]	2.500-16 UN
78	–	36	32	1.437 [36.50]	1.875 [47.62]	2	5.88 [149.35]	1.830 [46.48]	2.469 [62.71]	4.80 [121.92]	2.719 [69.06]	2.500-16 UN
79	–	40	20	.875 [22.22]	1.250 [31.75]	1	4.00 [101.60]	1.375 [34.92]	2.719 [69.06]	2.92 [74.17]	–	1.750-18 UNS
80	–	40	20	.875 [22.22]	1.250 [31.75]	1	5.00 [127.00]	1.375 [34.92]	2.719 [69.06]	3.92 [99.57]	–	1.750-18 UNS
81	–	40	24	1.000 [25.40]	1.375 [34.92]	1	4.00 [101.60]	2.024 [51.41]	2.719 [69.06]	2.92 [74.17]	–	2.000-18 UNS
82	–	40	24	1.000 [25.40]	1.375 [34.92]	1	5.00 [127.00]	2.024 [51.41]	2.719 [69.06]	3.92 [99.57]	–	2.000-18 UNS
83	–	40	28	1.250 [31.75]	1.625 [41.27]	1	4.00 [101.60]	2.550 [64.77]	2.719 [69.06]	2.92 [74.17]	–	2.250-16 UN
84	–	40	28	1.250 [31.75]	1.625 [41.27]	1	5.00 [127.00]	2.550 [64.77]	2.719 [69.06]	3.92 [99.57]	–	2.250-16 UN
85	–	40	32	1.437 [36.50]	1.875 [47.62]	1	4.00 [101.60]	2.600 [66.04]	2.719 [69.06]	2.92 [74.17]	–	2.500-16 UN
86	–	40	32	1.437 [36.50]	1.875 [47.62]	1	5.00 [127.00]	2.600 [66.04]	2.719 [69.06]	3.92 [99.57]	–	2.500-16 UN
87	–	44	20	.875 [22.22]	1.250 [31.75]	1	4.00 [101.60]	2.230 [56.64]	2.969 [75.41]	2.92 [74.17]	–	1.750-18 UNS
88	–	44	20	.875 [22.22]	1.250 [31.75]	1	5.00 [127.00]	2.230 [56.64]	2.969 [75.41]	3.92 [99.57]	–	1.750-18 UNS
89	–	44	24	1.000 [25.40]	1.375 [34.92]	1	4.00 [101.60]	2.024 [51.41]	2.969 [75.41]	2.92 [74.17]	–	2.000-18 UNS
90	–	44	24	1.000 [25.40]	1.375 [34.92]	1	5.00 [127.00]	2.024 [51.41]	2.969 [75.41]	3.92 [99.57]	–	2.000-18 UNS
91	–	44	28	1.250 [31.75]	1.625 [41.27]	1	4.00 [101.60]	2.550 [64.77]	2.969 [75.41]	2.92 [74.17]	–	2.250-16 UN
92	–	44	28	1.250 [31.75]	1.625 [41.27]	1	5.00 [127.00]	2.550 [64.77]	2.969 [75.41]	3.92 [99.57]	–	2.250-16 UN
93	–	44	32	1.437 [36.50]	1.875 [47.62]	1	4.00 [101.60]	2.600 [66.04]	2.969 [75.41]	2.92 [74.17]	–	2.500-16 UN

Dimensions in brackets [] are in millimeters.

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STRAIGHT ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

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DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B ±.125 [±3.17]	C REF.	ØD MAX.	E REF.	F MAX	V THREAD CLASS 2A
	MIL- DTL-26482 SERIES 2	MIL- DTL-5015 CRIMP		MIN.	MAX.							
94	–	44	32	1.437 [36.50]	1.875 [47.62]	1	5.00 [127.00]	2.600 [66.04]	2.969 [75.41]	3.92 [99.57]	–	2.500-16 UN
95	–	48	20	.875 [22.22]	1.250 [31.75]	1	4.00 [101.60]	2.230 [56.64]	3.219 [81.76]	2.92 [74.17]	–	1.750-18 UNS
96	–	48	20	.875 [22.22]	1.250 [31.75]	1	5.00 [127.00]	2.230 [56.64]	3.219 [81.76]	3.92 [99.57]	–	1.750-18 UNS
97	–	48	24	1.000 [25.40]	1.375 [34.92]	1	4.00 [101.60]	2.024 [51.41]	3.219 [81.76]	2.92 [74.17]	–	2.000-18 UNS
98	–	48	24	1.000 [25.40]	1.375 [34.92]	1	5.00 [127.00]	2.024 [51.41]	3.219 [81.76]	3.92 [99.57]	–	2.000-18 UNS
99	–	48	28	1.250 [31.75]	1.625 [41.27]	1	4.00 [101.60]	2.550 [64.77]	3.219 [81.76]	2.92 [74.17]	–	2.250-16 UN
100	–	48	28	1.250 [31.75]	1.625 [41.27]	1	5.00 [127.00]	2.550 [64.77]	3.219 [81.76]	3.92 [99.57]	–	2.250-16 UN
101	–	48	32	1.437 [36.50]	1.875 [47.62]	1	4.00 [101.60]	2.600 [66.04]	3.219 [81.76]	2.92 [74.17]	–	2.500-16 UN
102	–	48	32	1.437 [36.50]	1.875 [47.62]	1	5.00 [127.00]	2.600 [66.04]	3.219 [81.76]	3.92 [99.57]	–	2.500-16 UN
111	12	12, 12S	10	.350 [8.89]	.500 [12.70]	1	2.00 [50.80]	1.844 [46.84]	.858 [21.79]	1.00 [25.40]	–	1.000-20 UNEF
112	16	16, 16S	6	.250 [6.35]	.437 [11.10]	1	2.00 [50.80]	1.844 [46.84]	1.112 [28.24]	1.00 [25.40]	–	.750-20 UNEF
113	16	16, 16S	6	.250 [6.35]	.437 [11.10]	1	3.00 [76.20]	1.544 [39.22]	1.112 [28.24]	2.00 [50.80]	–	.750-20 UNEF
114	12	12, 12S	4	.125 [3–17]	.312 [7.92]	1	2.00 [50.80]	1.544 [39.22]	.858 [21.79]	1.00 [25.40]	–	.625-24 UNEF
115	12	12, 12S	4	.125 [3–17]	.312 [7.92]	1	3.00 [76.20]	1.544 [39.22]	.858 [21.79]	2.00 [50.80]	–	.625-24 UNEF
116	14	14, 14S	6	.250 [6.35]	.437 [11.10]	1	2.00 [50.80]	1.544 [39.22]	.984 [24.99]	1.00 [25.40]	–	.750-20 UNEF
117	14	14S, 14S	6	.250 [6.35]	.437 [11.10]	1	3.00 [76.20]	1.544 [39.22]	.984 [24.99]	2.00 [50.80]	–	.750-20 UNEF
118	16	16, 16S	10	.350 [8.89]	.625 [15.87]	1	2.00 [50.80]	1.544 [39.22]	1.112 [28.24]	.92 [23.37]	–	1.000-20 UNEF
119	16	16, 16S	10	.350 [8.89]	.625 [15.87]	1	3.00 [76.20]	1.844 [46.84]	1.112 [28.24]	1.92 [48.77]	–	1.000-20 UNEF
120	18	18	4	.125 [3–17]	.312 [7.92]	1	2.00 [50.80]	1.844 [46.84]	1.218 [30.94]	.92 [23.37]	–	.625-24 UNEF
121	18	18	4	.125 [3–17]	.312 [7.92]	1	3.00 [76.20]	1.544 [39.22]	1.218 [30.94]	1.92 [48.77]	–	.625-24 UNEF
122	18	18	6	.250 [6.35]	.437 [11.10]	1	2.00 [50.80]	1.544 [39.22]	1.218 [30.94]	.92 [23.37]	–	.750-20 UNEF
123	18	18	6	.250 [6.35]	.437 [11.10]	1	3.00 [76.20]	1.544 [39.22]	1.218 [30.94]	1.92 [48.77]	–	.750-20 UNEF
124	20	20	6	.250 [6.35]	.437 [11.10]	1	3.00 [76.20]	1.544 [39.22]	1.345 [34.16]	1.92 [48.77]	–	.750-20 UNEF
125	20	20	6	.250 [6.35]	.437 [11.10]	1	4.00 [101.60]	1.544 [39.22]	1.345 [34.16]	2.92 [74.17]	–	.750-20 UNEF
126	22	22	4	.125 [3–17]	.312 [7.92]	1	3.00 [76.20]	1.544 [39.22]	1.468 [37.29]	1.92 [48.77]	–	.625-24 UNEF
127	22	22	4	.125 [3–17]	.312 [7.92]	1	4.00 [101.60]	1.544 [39.22]	1.468 [37.29]	2.92 [74.17]	–	.625-24 UNEF
128	22	22	6	.250 [6.35]	.437 [11.10]	1	3.00 [76.20]	1.544 [39.22]	1.468 [37.29]	1.92 [48.77]	–	.750-20 UNEF
129	22	22	6	.250 [6.35]	.437 [11.10]	1	4.00 [101.60]	1.544 [39.22]	1.468 [37.29]	2.92 [74.17]	–	.750-20 UNEF
130	24	24	10	.350 [8.89]	.625 [15.87]	1	3.00 [76.20]	1.844 [46.84]	1.593 [40.46]	1.92 [48.77]	–	1.000-20 UNEF
131	24	24	10	.350 [8.89]	.625 [15.87]	1	4.00 [101.60]	1.844 [46.84]	1.593 [40.46]	2.92 [74.17]	–	1.000-20 UNEF
132	–	36	12	.500 [12.70]	.750 [19.05]	1	4.00 [101.60]	1.916 [48.67]	2.469 [62.71]	2.92 [74.17]	–	1.187-18 UNEF

Dimensions in brackets [] are in millimeters.

Continued on Next Page



STRAIGHT ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049AF10

Continued from Previous Page

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B $\pm .125$ [± 3.17]	C REF.	ØD MAX.	E REF.	F MAX	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.							
133	–	36	12	.500 [12.70]	.750 [19.05]	1	5.00 [127.00]	1.916 [48.67]	2.469 [62.71]	3.92 [99.57]	–	1.187-18 UNEF
134	–	40	12	.500 [12.70]	.750 [19.05]	1	4.00 [101.60]	1.916 [48.67]	2.719 [69.06]	2.92 [74.17]	–	1.187-18 UNEF
135	–	40	12	.500 [12.70]	.750 [19.05]	1	5.00 [127.00]	1.916 [48.67]	2.719 [69.06]	3.92 [99.57]	–	1.187-18 UNEF
136	10	10S, 10SL	6	.250 [6.35]	.375 [9.52]	1	2.00 [50.80]	1.544 [39.22]	.734 [18.64]	1.06 [26.92]	–	.750-20 UNEF
137	10	10S, 10SL	6	.250 [6.35]	.375 [9.52]	1	3.00 [76.20]	1.544 [39.22]	.734 [18.64]	2.06 [52.32]	–	.750-20 UNEF
138	12	12, 12S	10	.350 [8.89]	.500 [12.70]	1	2.00 [50.80]	1.844 [46.84]	.858 [21.79]	1.06 [26.92]	–	1.000-20 UNEF
139	12	12, 12S	10	.350 [8.89]	.500 [12.70]	1	3.00 [76.20]	1.844 [46.84]	.858 [21.79]	2.06 [52.32]	–	1.000-20 UNEF
140	20	20	16	.625 [15.87]	.904 [22.96]	1	3.00 [76.20]	2.000 [50.80]	1.345 [34.16]	1.92 [48.77]	–	1.437-18 UNEF
141	20	20	16	.625 [15.87]	.904 [22.96]	1	4.00 [101.60]	2.000 [50.80]	1.345 [34.16]	2.92 [74.17]	–	1.437-20 UNEF
142	22	22	20	.875 [22.22]	1.029 [26.14]	1	3.00 [76.20]	2.230 [56.64]	1.468 [37.29]	1.92 [48.77]	–	1.750-18 UNEF
143	22	22	20	.875 [22.22]	1.029 [26.14]	1	4.00 [101.60]	2.230 [56.64]	1.468 [37.29]	2.92 [74.17]	–	1.750-18 UNEF
144	24	24	20	.875 [22.22]	1.144 [29.06]	1	3.00 [76.20]	2.230 [56.64]	1.593 [40.46]	1.92 [48.77]	–	1.750-18 UNEF
145	24	24	20	.875 [22.22]	1.144 [29.06]	1	4.00 [101.60]	2.230 [56.64]	1.593 [40.46]	2.92 [74.17]	–	1.750-18 UNEF
146	–	36	32	1.437 [36.50]	1.840 [46.74]	1	4.00 [101.60]	2.600 [66.04]	2.469 [62.71]	2.92 [74.17]	–	2.500-16 UNEF
147	–	36	32	1.437 [36.50]	1.840 [46.74]	1	5.00 [127.00]	2.600 [66.04]	2.469 [62.71]	3.92 [99.57]	–	2.500-16 UNEF
148	–	36	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	2.000 [50.80]	2.469 [62.71]	2.92 [74.17]	–	1.437-18 UNEF
149	–	36	16	.625 [15.87]	.937 [23.80]	1	5.00 [127.00]	2.000 [50.80]	2.469 [62.71]	3.92 [99.57]	–	1.437-18 UNEF
150	14	14, 14S	4	.125 [3.17]	.312 [7.92]	1	2.00 [50.80]	1.544 [39.22]	.964 [24.49]	.92 [23.37]	–	.625-24 UNEF
151	14	14, 14S	4	.125 [3.17]	.312 [7.92]	1	3.00 [76.20]	1.544 [39.22]	.964 [24.49]	1.92 [48.77]	–	.625-24 UNEF
152	16	16, 16S	4	.125 [3.17]	.312 [7.92]	1	2.00 [50.80]	1.544 [39.22]	1.112 [28.24]	.92 [23.37]	–	.625-24 UNEF
153	16	16, 16S	4	.125 [3.17]	.312 [7.92]	1	3.00 [76.20]	1.544 [39.22]	1.112 [28.24]	1.92 [48.77]	–	.625-24 UNEF
154	–	44	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	2.000 [50.80]	2.969 [75.41]	2.92 [74.17]	–	1.437-18 UNEF
155	–	44	16	.625 [15.87]	.937 [23.80]	1	5.00 [127.00]	2.000 [50.80]	2.969 [75.41]	3.92 [99.57]	–	1.437-18 UNEF
156	–	40	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	2.000 [50.80]	2.719 [69.06]	2.92 [74.17]	–	1.437-18 UNEF
157	–	40	16	.625 [15.87]	.937 [23.80]	1	5.00 [127.00]	2.000 [50.80]	2.719 [69.06]	3.92 [99.57]	–	1.437-18 UNEF

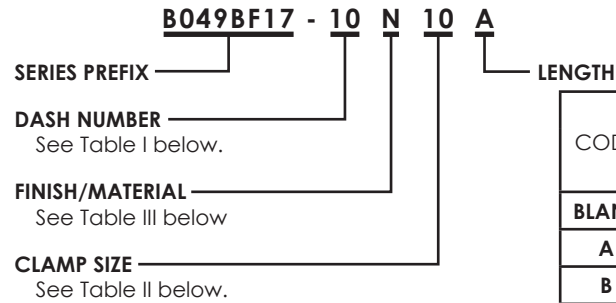
Dimensions in brackets [] are in millimeters.

STRAIGHT ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049BF17

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

ORDERING INFORMATION



CODE	SHELL SIZE	LENGTH
		One Piece Construction
BLANK	8 thru 24	1.50
A	8 thru 24	2.50
B	14 thru 24	3.50
C	20 thru 24	4.50

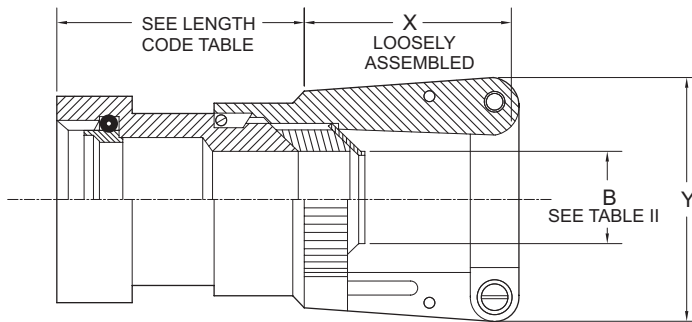


TABLE I

SHELL SIZE	CONNECTOR SHELL SIZE		CLAMP SIZE RANGE*	
	SERIES I	SERIES II	MIN.	MAX.
8	9	8	01	02
10	11	10	01	03
12	13	12	02	04
14	15	14	02	05
16	17	16	02	06
18	19	18	03	07
20	21	20	03	08
22	23	22	03	09
24	25	24	04	10

* Clamp size range applicable to M85049/17 only.
Dimensions in brackets [] are in millimeters.

TABLE II

CLAMP SIZE	B CABLE RANGE		X MAX	Y MAX
	MIN.	MAX.		
01	.062 [1.57]	.125 [3.17]	1.250 [31.75]	.781 [19.84]
02	.125 [3.17]	.250 [6.35]	1.250 [31.75]	.969 [24.61]
03	.250 [6.35]	.375 [9.52]	1.250 [31.75]	1.062 [26.97]
04	.312 [7.92]	.500 [12.70]	1.250 [31.75]	1.156 [29.36]
05	.437 [11.10]	.625 [15.87]	1.132 [28.75]	1.250 [31.75]
06	.562 [14.27]	.750 [19.05]	1.375 [34.92]	1.375 [34.92]
07	.687 [17.45]	.875 [22.22]	1.500 [38.10]	1.500 [38.10]
08	.812 [20.62]	1.000 [25.40]	1.625 [41.27]	1.625 [41.27]
09	.937 [23.80]	1.125 [28.57]	1.625 [41.27]	1.750 [44.45]
10	1.062 [26.97]	1.250 [31.75]	1.625 [41.27]	1.875 [47.62]

Dimensions in brackets [] are in millimeters.

TABLE III - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

90° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049BF76

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

ORDERING INFORMATION

B049BF76 - 12 W 01

SERIES PREFIX ————

DASH NUMBER ————
See Table I below.

FINISH/MATERIAL ————
See Table III below.

LENGTH ————

CLAMP SIZE ————
See Table II below.

CODE	SHELL SIZE	LENGTH
		One Piece Construction
BLANK	8 thru 24	1.50
A	8 thru 24	2.50
B	14 thru 24	3.50
C	20 thru 24	4.50

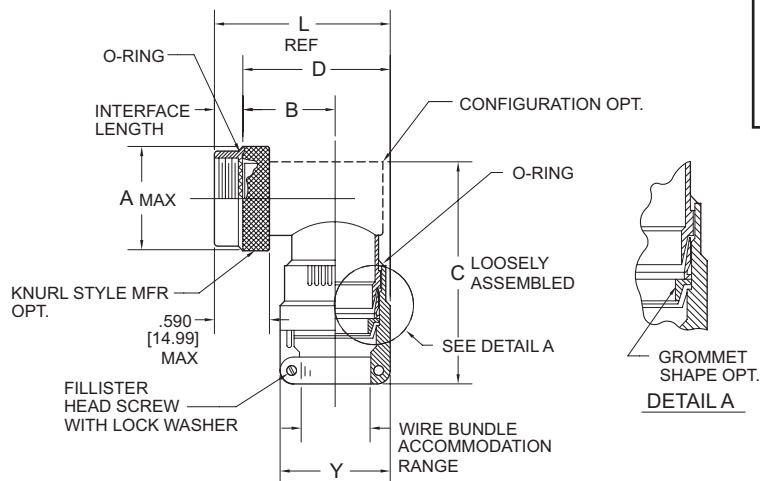


TABLE I

DASH NUMBER	FITS CONN. SHELL SIZE		CLAMP SIZE (SEE TABLE I)	A MAX. DIA OF COUPLING RING	B ±.062 [±1.57]	C ±.062 [±1.57]	D ±.062 [±1.57]	L REF
	SERIES I	SERIES II						
08	09	08	01 THRU 02	.75 [19.05]	.438 [11.13]	3.141 [79.78]	.968 [24.59]	1.27 [32.26]
10	11	10	01 THRU 03	.85 [21.59]	.533 [13.54]	3.261 [82.83]	1.10 [27.94]	1.40 [35.56]
12	13	12	02 THRU 04	1.00 [25.40]	.548 [13.92]	3.281 [83.34]	1.17 [29.72]	1.47 [37.34]
14	15	14	02 THRU 05	1.15 [29.21]	.638 [16.21]	3.351 [85.12]	1.29 [32.77]	1.59 [40.39]
16	17	16	02 THRU 06	1.25 [31.75]	.823 [20.90]	3.441 [87.40]	1.54 [39.12]	1.84 [46.74]
18	19	18	03 THRU 07	1.40 [35.56]	.913 [23.19]	3.611 [91.72]	1.69 [42.93]	1.99 [50.55]
20	21	20	03 THRU 08	1.55 [39.37]	.913 [23.19]	3.611 [91.72]	1.76 [44.70]	2.06 [52.32]
22	23	22	03 THRU 09	1.65 [41.91]	1.063 [27.00]	3.721 [94.51]	1.97 [50.04]	2.27 [57.66]
24	25	24	04 THRU 10	1.85 [46.99]	1.063 [27.00]	3.721 [94.51]	2.03 [51.56]	2.33 [59.18]

Dimensions in brackets [] are in millimeters.

TABLE II

CLAMP SIZE	WIRE BUNDLE ACCOMMODATION RANGE		Y MAX.
	MIN.	MAX.	
01	.062 [1.57]	.125 [3.17]	.80 [20.32]
02	.125 [3.17]	.250 [6.35]	1.00 [25.40]
03	.250 [6.35]	.375 [9.52]	1.10 [27.94]
04	.375 [9.52]	.500 [12.70]	1.20 [30.48]
05	.500 [12.70]	.625 [15.87]	1.25 [31.75]
06	.625 [15.87]	.750 [19.05]	1.40 [35.56]
07	.750 [19.05]	.875 [22.22]	1.50 [38.10]
08	.875 [22.22]	1.000 [25.40]	1.65 [41.91]
09	1.000 [25.40]	1.125 [28.57]	1.75 [44.45]
10	1.125 [28.57]	1.250 [31.75]	1.90 [48.26]

Dimensions in brackets [] are in millimeters.

TABLE III - AVAILABLE FINISHES

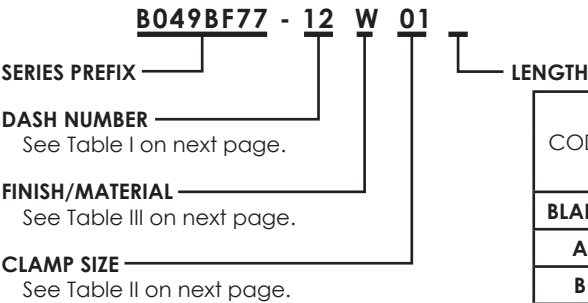
CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

45° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049BF77

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

ORDERING INFORMATION



CODE	SHELL SIZE	LENGTH
		One Piece Construction
BLANK	8 thru 24	1.50
A	8 thru 24	2.50
B	14 thru 24	3.50
C	20 thru 24	4.50

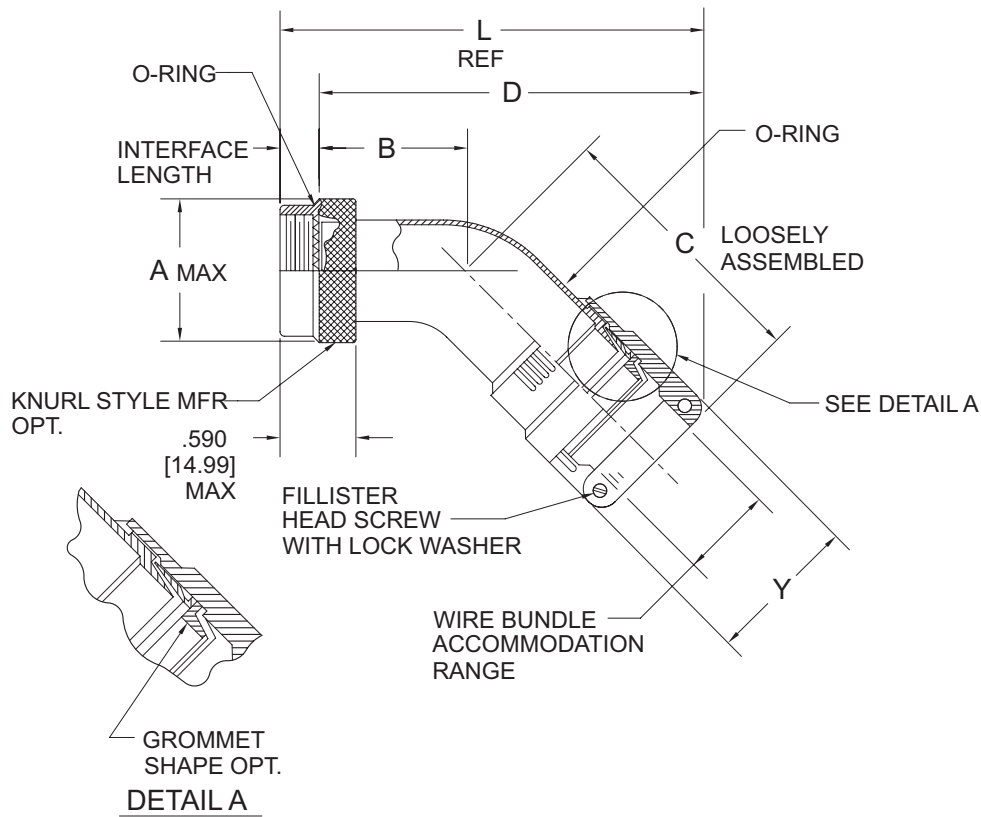


TABLE I

DASH NUMBER	FITS CONN. SHELL SIZE		CLAMP SIZE (SEE TABLE I)	A MAX. DIA OF COUPLING RING	B ±.062 [±1.57]	C ±.062 [±1.57]	D ±.062 [±1.57]	L REF
	SERIES I	SERIES II						
08	09	08	01 THRU 02	.75 [19.05]	.438 [11.13]	3.141 [79.78]	.968 [24.59]	1.27 [32.26]
10	11	10	01 THRU 03	.85 [21.59]	.533 [13.54]	3.261 [82.83]	1.10 [27.94]	1.40 [35.56]
12	13	12	02 THRU 04	1.00 [25.40]	.548 [13.92]	3.281 [83.34]	1.17 [29.72]	1.47 [37.34]
14	15	14	02 THRU 05	1.15 [29.21]	.638 [16.21]	3.351 [85.12]	1.29 [32.77]	1.59 [40.39]
16	17	16	02 THRU 06	1.25 [31.75]	.823 [20.90]	3.441 [87.40]	1.54 [39.12]	1.84 [46.74]
18	19	18	03 THRU 07	1.40 [35.56]	.913 [23.19]	3.611 [91.72]	1.69 [42.93]	1.99 [50.55]
20	21	20	03 THRU 08	1.55 [39.37]	.913 [23.19]	3.611 [91.72]	1.76 [44.70]	2.06 [52.32]
22	23	22	03 THRU 09	1.65 [41.91]	1.063 [27.00]	3.721 [94.51]	1.97 [50.04]	2.27 [57.66]
24	25	24	04 THRU 10	1.85 [46.99]	1.063 [27.00]	3.721 [94.51]	2.03 [51.56]	2.33 [59.18]

Dimensions in brackets [] are in millimeters.

TABLE II

CLAMP SIZE	WIRE BUNDLE ACCOMMODATION RANGE		Y MAX.
	MIN.	MAX.	
01	.062 [1.57]	.125 [3.17]	.80 [20.32]
02	.125 [3.17]	.250 [6.35]	1.00 [25.40]
03	.250 [6.35]	.375 [9.52]	1.10 [27.94]
04	.375 [9.52]	.500 [12.70]	1.20 [30.48]
05	.500 [12.70]	.625 [15.87]	1.25 [31.75]
06	.625 [15.87]	.750 [19.05]	1.40 [35.56]
07	.750 [19.05]	.875 [22.22]	1.50 [38.10]
08	.875 [22.22]	1.000 [25.40]	1.65 [41.91]
09	1.000 [25.40]	1.125 [28.57]	1.75 [44.45]
10	1.125 [28.57]	1.250 [31.75]	1.90 [48.26]

Dimensions in brackets [] are in millimeters.

TABLE III - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

STRAIGHT ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049BG18

For **SC3*** Series (MIL-DTL-38999 Series III)

ORDERING INFORMATION

B049BG18 - 9 W 02 A

SERIES PREFIX ———

DASH NUMBER ———
See Table I on next page.

FINISH/MATERIAL ———
See Table III on next page.

CLAMP SIZE ———
See Table II on next page.

LENGTH ———

CODE	SHELL SIZE	LENGTH IN INCHES
BLANK	9 thru 25	1.50
A	9 thru 25	2.50
B	15 thru 25	3.50
C	21 thru 25	4.50

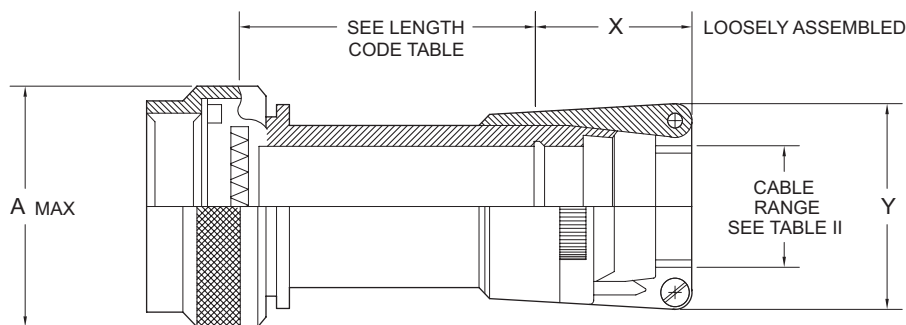


TABLE I

SHELL SIZE	CLAMP SIZE (SEE TABLE II)	ØA MAX. MIL SPEC
9	01 THRU 02	.734 [18.64]
11	01 THRU 03	.840 [21.34]
13	02 THRU 04	.959 [24.36]
15	02 THRU 05	1.091 [27.71]
17	02 THRU 06	1.230 [31.24]
19	03 THRU 07	1.368 [34.75]
21	03 THRU 08	1.484 [37.69]
23	03 THRU 09	1.602 [40.69]
25	04 THRU 10	1.720 [43.69]

Dimensions in brackets [] are in millimeters.

TABLE II

SHELL SIZE	CABLE RANGE		X MAX	Y MAX
	MIN.	MAX.		
01	.062 [1.57]	.125 [3.17]	1.250 [31.75]	.781 [19.84]
02	.125 [3.17]	.250 [6.35]	1.250 [31.75]	.969 [24.61]
03	.250 [6.35]	.375 [9.52]	1.250 [31.75]	1.062 [26.97]
04	.375 [9.52]	.500 [12.70]	1.250 [31.75]	1.156 [29.36]
05	.500 [12.70]	.625 [15.87]	1.312 [33.32]	1.250 [31.75]
06	.625 [15.87]	.750 [19.05]	1.375 [34.92]	1.375 [34.92]
07	.750 [19.05]	.875 [22.22]	1.500 [38.10]	1.500 [38.10]
08	.875 [22.22]	1.000 [25.40]	1.625 [41.27]	1.625 [41.27]
09	1.000 [25.40]	1.125 [28.57]	1.625 [41.27]	1.750 [44.45]
10	1.125 [28.57]	1.250 [31.75]	1.625 [41.27]	1.875 [47.62]

Dimensions in brackets [] are in millimeters.

TABLE III - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	



45° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049BG78

For **SC3*** Series (MIL-DTL-38999 Series III)

ORDERING INFORMATION

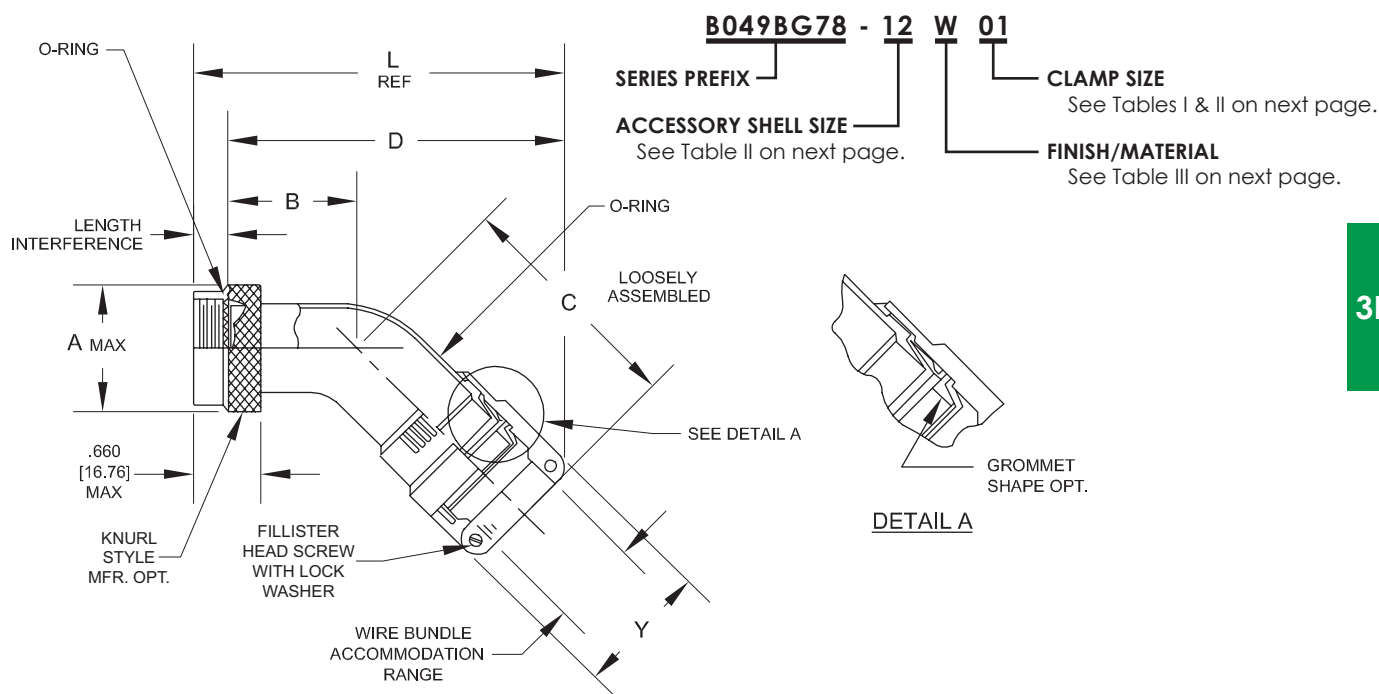


TABLE I

CLAMP SIZE	WIRE BUNDLE ACCOMMODATION RANGE		Y MAX.
	MIN.	MAX.	
01	.062 [1.57]	.125 [3.17]	.80 [20.32]
02	.125 [3.17]	.250 [6.35]	1.00 [25.40]
03	.250 [6.35]	.375 [9.52]	1.10 [27.94]
04	.375 [9.52]	.500 [12.70]	1.20 [30.48]
05	.500 [12.70]	.625 [15.87]	1.25 [31.75]
06	.625 [15.87]	.750 [19.05]	1.40 [35.56]
07	.750 [19.05]	.875 [22.22]	1.50 [38.10]
08	.875 [22.22]	1.000 [25.40]	1.65 [41.91]
09	1.000 [25.40]	1.125 [28.57]	1.75 [44.45]
10	1.125 [28.57]	1.250 [31.75]	1.90 [48.26]

Dimensions in brackets [] are in millimeters.

TABLE II

ACCESS. SHELL SIZE	FITS CONN. SHELL SIZE		CLAMP SIZE (SEE TABLE I)	A MAX. DIA OF COUPLING RING	B ±.062 [±1.57]	C ±.062 [±1.57]	D ±.062 [±1.57]	L REF
	SERIES I	SERIES II						
08	09	08	01 THRU 02	.75 [19.05]	.398 [10.11]	3.088 [78.44]	2.85 [72.39]	3.20 [81.28]
10	11	10	01 THRU 03	.85 [21.59]	.458 [11.63]	3.148 [79.96]	2.98 [75.69]	3.30 [83.82]
12	13	12	02 THRU 04	1.00 [25.40]	.518 [13.16]	3.208 [81.48]	3.13 [79.50]	3.45 [87.63]
14	15	14	02 THRU 05	1.15 [29.21]	.588 [14.94]	3.298 [83.77]	3.32 [84.33]	3.64 [92.46]
16	17	16	02 THRU 06	1.25 [31.75]	.678 [17.22]	3.408 [86.56]	3.53 [89.66]	3.85 [97.79]
18	19	18	03 THRU 07	1.40 [35.56]	.868 [22.05]	3.598 [91.39]	3.91 [99.31]	4.23 [107.44]
20	21	20	03 THRU 08	1.55 [39.37]	.868 [22.05]	3.598 [91.39]	3.96 [100.58]	4.28 [108.71]
22	23	22	03 THRU 09	1.65 [41.91]	.958 [24.33]	3.748 [95.20]	4.19 [106.43]	4.51 [114.55]
24	25	24	04 THRU 10	1.85 [46.99]	.958 [24.33]	3.748 [95.20]	4.24 [107.70]	4.56 [115.82]

Dimensions in brackets [] are in millimeters.

TABLE III - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

90° ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049BG79

For **SC3*** Series (MIL-DTL-38999 Series III)

ORDERING INFORMATION

B049BG79 - 12 W 01

SERIES PREFIX

CLAMP SIZE

See Tables I & II below.

ACCESSORY SHELL SIZE

See Table II below.

FINISH/MATERIAL

See Table III below.

TABLE I

CLAMP SIZE	WIRE BUNDLE ACCOMMODATION RANGE		Y MAX.
	MIN.	MAX.	
01	.062 [1.57]	.125 [3.17]	.80 [20.32]
02	.125 [3.17]	.250 [6.35]	1.00 [25.40]
03	.250 [6.35]	.375 [9.52]	1.10 [27.94]
04	.375 [9.52]	.500 [12.70]	1.20 [30.48]
05	.500 [12.70]	.625 [15.87]	1.25 [31.75]
06	.625 [15.87]	.750 [19.05]	1.40 [35.56]
07	.750 [19.05]	.875 [22.22]	1.50 [38.10]
08	.875 [22.22]	1.000 [25.40]	1.65 [41.91]
09	1.000 [25.40]	1.125 [28.57]	1.75 [44.45]
10	1.125 [28.57]	1.250 [31.75]	1.90 [48.26]

Dimensions in brackets [] are in millimeters.

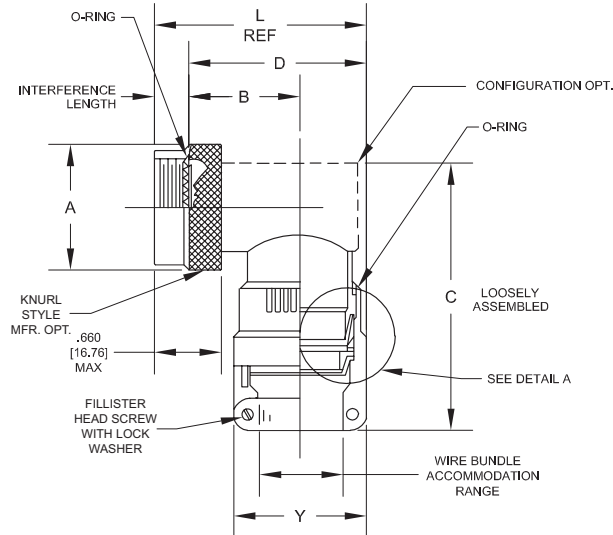


TABLE II

ACCESS. SHELL SIZE	FITS CONN. SHELL SIZE		CLAMP SIZE (SEE TABLE I)	A MAX. DIA OF COUPLING RING	B ±.062 [±1.57]	C ±.062 [±1.57]	D ±.062 [±1.57]	L REF
	SERIES I	SERIES II						
08	09	08	01 THRU 02	.75 [19.05]	.438 [11.13]	3.141 [79.78]	.968 [24.59]	1.32 [33.53]
10	11	10	01 THRU 03	.85 [21.59]	.533 [13.54]	3.261 [82.83]	1.10 [27.94]	1.45 [36.83]
12	13	12	02 THRU 04	1.00 [25.40]	.548 [13.92]	3.281 [83.34]	1.17 [29.72]	1.52 [38.61]
14	15	14	02 THRU 05	1.15 [29.21]	.638 [16.21]	3.351 [85.12]	1.29 [32.77]	1.64 [41.66]
16	17	16	02 THRU 06	1.25 [31.75]	.823 [20.90]	3.441 [87.40]	1.54 [39.12]	1.89 [48.01]
18	19	18	03 THRU 07	1.40 [35.56]	.913 [23.19]	3.611 [91.72]	1.69 [42.93]	2.04 [51.82]
20	21	20	03 THRU 08	1.55 [39.37]	.913 [23.19]	3.611 [91.72]	1.76 [44.70]	2.11 [53.59]
22	23	22	03 THRU 09	1.65 [41.91]	1.063 [27.00]	3.721 [94.51]	1.97 [50.04]	2.32 [58.93]
24	25	24	04 THRU 10	1.85 [46.99]	1.063 [27.00]	3.721 [94.51]	2.03 [51.56]	2.38 [60.45]

Dimensions in brackets [] are in millimeters.

TABLE III - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

SECTION 4D

BACKSHELLS

GROMMET NUTS

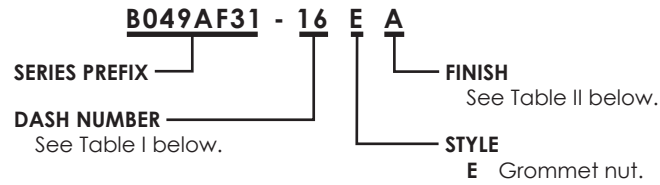
4D

GROMMET NUT

B049AF31

For **SC30**, **SC50** & **SC70** Series (MIL-DTL-5015 Crimp & MIL-DTL-26482 Series 2)

ORDERING INFORMATION



MATERIAL: Aluminum Alloy

For self-locking version see next page.

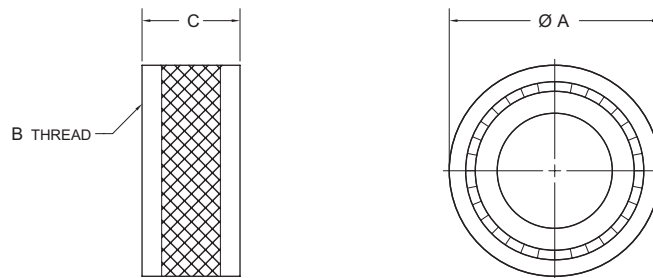


TABLE I

DASH NO.	CONNECTOR SHELL SIZE		ØA MAX STYLE E	B THREAD CLASS 2B	C MAX
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP			
3	—	—	.669 [16.99]	.562-24 UNEF	.540 [13.72]
8	8	8S	.617 [15.67]	.500-20 UNF	.540 [13.72]
10	10	10S, 10SL	.734 [18.64]	.625-24 UNEF	.540 [13.72]
12	12	12S, 12	.858 [21.79]	.750-20 UNEF	.540 [13.72]
14	14	14S, 14	.984 [24.99]	.875-20 UNEF	.540 [13.72]
16	16	16S, 16	1.112 [28.24]	1.000-20 UNEF	.540 [13.72]
18	18	18	1.218 [30.94]	1.062-18 UNEF	.540 [13.72]
20	20	20	1.345 [34.16]	1.188-18 UNEF	.540 [13.72]
22	22	22	1.468 [37.29]	1.312-18 UNEF	.540 [13.72]
24	24	24	1.593 [40.46]	1.438-18 UNEF	.540 [13.72]
28	—	28	1.969 [50.01]	1.750-18 UNS	.702 [17.83]
32	—	32	2.219 [56.36]	2.000-18 UNS	.702 [17.83]
36	—	36	2.469 [62.71]	2.250-16 UN	.702 [17.83]
40	—	40	2.719 [69.06]	2.500-16 UN	.702 [17.83]
44	—	44	2.969 [75.41]	2.750-16 UN	.702 [17.83]
48	—	48	3.219 [81.76]	3.000-16 UN	.702 [17.83]

Dimensions in brackets [] are in millimeters.

TABLE II - AVAILABLE FINISHES

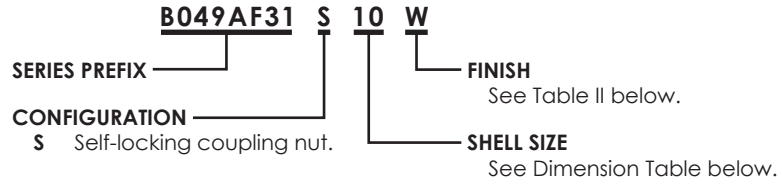
CODE	DESCRIPTION	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	-65 to +175 °C	
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.	-65 to +175 °C	Not for use in space application.

SELF-LOCKING GROMMET NUT

B049AF31S

For **SC30**, **SC50** & **SC70** Series (MIL-DTL-5015 Crimp & MIL-DTL-26482 Series 2)

ORDERING INFORMATION



MATERIAL: Aluminum Alloy

For non-self-locking version see previous page.

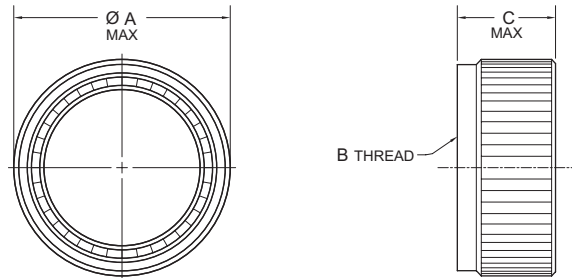


TABLE I

DASH NO.	CONNECTOR SHELL SIZE		ØA MAX	B THREAD CLASS 2B	C MAX
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP			
8	8	8S	.855 [21.72]	.500-20 UNF	.710 [18.03]
10	10	10S, 10SL	1.010 [25.65]	.625-24 UNEF	.710 [18.03]
12	12	12S, 12	1.135 [28.83]	.750-20 UNEF	.710 [18.03]
14	14	14S, 14	1.260 [32.00]	.875-20 UNEF	.710 [18.03]
16	16	16S, 16	1.385 [35.18]	1.000-20 UNEF	.710 [18.03]
18	18	18	1.510 [38.35]	1.062-18 UNEF	.710 [18.03]
20	20	20	1.635 [41.53]	1.188-18 UNEF	.710 [18.03]
22	22	22	1.760 [44.70]	1.312-18 UNEF	.710 [18.03]
24	24	24	1.885 [47.88]	1.438-18 UNEF	.710 [18.03]
28	—	28	2.135 [54.23]	1.750-18 UNS	.890 [22.61]
32	—	32	2.395 [60.83]	2.000-18 UNS	.890 [22.61]
36	—	36	2.635 [66.93]	2.250-16 UN	.890 [22.61]
40	—	40	2.885 [73.28]	2.500-16 UN	.890 [22.61]
44	—	44	3.135 [79.63]	2.750-16 UN	.890 [22.61]
48	—	48	3.385 [85.98]	3.000-16 UN	.890 [22.61]

Dimensions in brackets [] are in millimeters.

TABLE II - AVAILABLE FINISHES

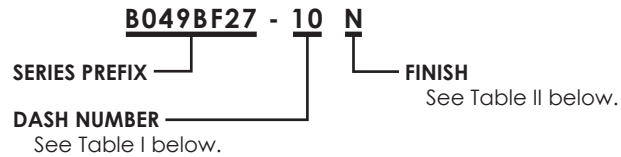
CODE	DESCRIPTION	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	-65 to +175 °C	
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.	-65 to +175 °C	Not for use in space application.

GROMMET NUT

B049BF27

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

ORDERING INFORMATION



MATERIAL: Aluminum Alloy

For self-locking version see next page.

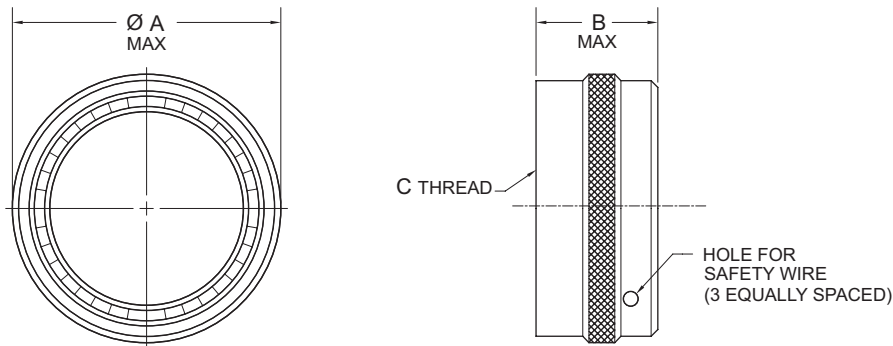


TABLE I

DASH NUMBER	SHELL SIZE		A MAX	B MAX	C THREAD CLASS 2B UNEF
	SERIES I	SERIES II			
8	9	8	.75 [19.05]	.540 [13.72]	.4375-28
10	11	10	.85 [21.59]	.540 [13.72]	.5625-24
12	13	12	1.00 [25.40]	.540 [13.72]	.6875-24
14	15	14	1.10 [27.94]	.540 [13.72]	.8125-20
16	17	16	1.25 [31.75]	.540 [13.72]	.9375-20
18	19	18	1.40 [35.56]	.540 [13.72]	1.0625-18
20	21	20	1.50 [38.10]	.540 [13.72]	1.1875-18
22	23	22	1.65 [41.91]	.540 [13.72]	1.3125-18
24	25	24	1.75 [44.45]	.540 [13.72]	1.4375-18

Dimensions in brackets [] are in millimeters.

TABLE II - AVAILABLE FINISHES

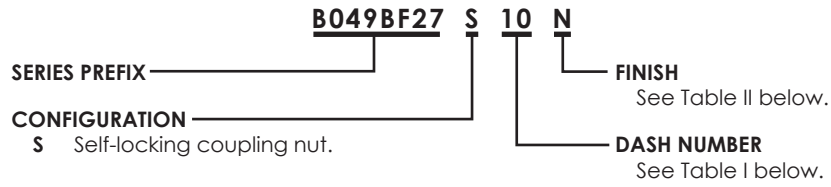
CODE	DESCRIPTION	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.	-65 to +175 °C	Not for use in space application.

SELF-LOCKING GROMMET NUT

B049BF27S

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

ORDERING INFORMATION



MATERIAL: Aluminum Alloy

For non-self-locking version see previous page.

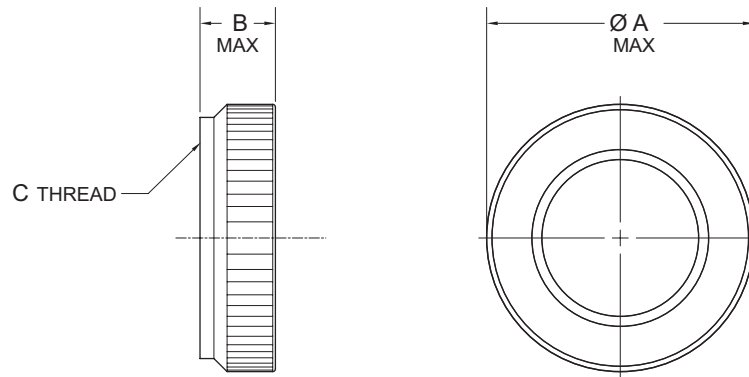


TABLE I

DASH NUMBER	SHELL SIZE		A MAX	B MAX	C THREAD CLASS 2B UNEF
	SERIES I	SERIES II			
8	9	8	.859 [21.82]	.590 [14.99]	.4375-28
10	11	10	.984 [24.99]	.590 [14.99]	.5625-24
12	13	12	1.156 [29.36]	.590 [14.99]	.6875-24
14	15	14	1.281 [32.54]	.590 [14.99]	.8125-20
16	17	16	1.406 [35.71]	.590 [14.99]	.9375-20
18	19	18	1.516 [38.51]	.590 [14.99]	1.0625-18
20	21	20	1.641 [41.68]	.590 [14.99]	1.1875-18
22	23	22	1.766 [44.86]	.590 [14.99]	1.3125-18
24	25	24	1.891 [48.03]	.590 [14.99]	1.4375-18

Dimensions in brackets [] are in millimeters.

TABLE II - AVAILABLE FINISHES

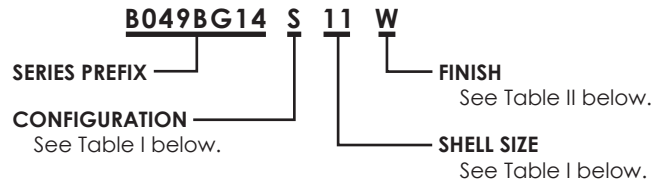
CODE	DESCRIPTION	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.	-65 to +175 °C	Not for use in space application.

GROMMET NUT

B049BG14S

For **SC3*** Series (MIL-DTL-38999 Series III)

ORDERING INFORMATION



MATERIAL: Aluminum Alloy

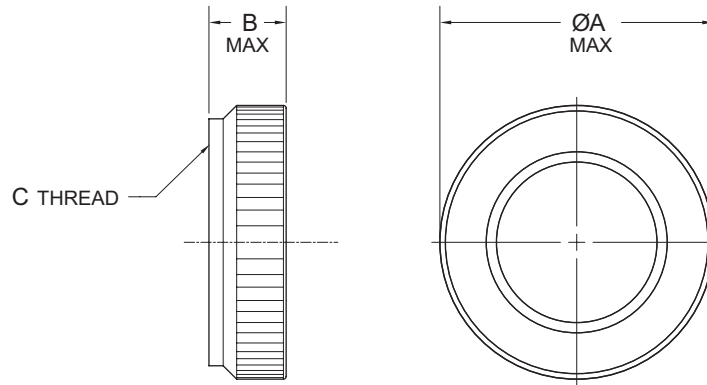


TABLE I

SHELL SIZE	SHELL SIZE CODE SERIES III & IV	A MAX	B MAX	C THREAD METRIC R.H. CLASS 6H
9	A	.858 [21.79]	.660 [16.76]	M12x1.0-0.100R
11	B	.984 [24.99]	.660 [16.76]	M15x1.0-0.100R
13	C	1.157 [29.39]	.660 [16.76]	M18x1.0-0.100R
15	D	1.279 [32.49]	.660 [16.76]	M22x1.0-0.100R
17	E	1.406 [35.71]	.660 [16.76]	M25x1.0-0.100R
19	F	1.516 [38.51]	.660 [16.76]	M28x1.0-0.100R
21	G	1.642 [41.71]	.660 [16.76]	M31 x1.0-0.100R
23	H	1.768 [44.91]	.660 [16.76]	M34x1.0-0.100R
25	J	1.889 [47.98]	.660 [16.76]	M37x1.0-0.100R

Dimensions in brackets [] are in millimeters.

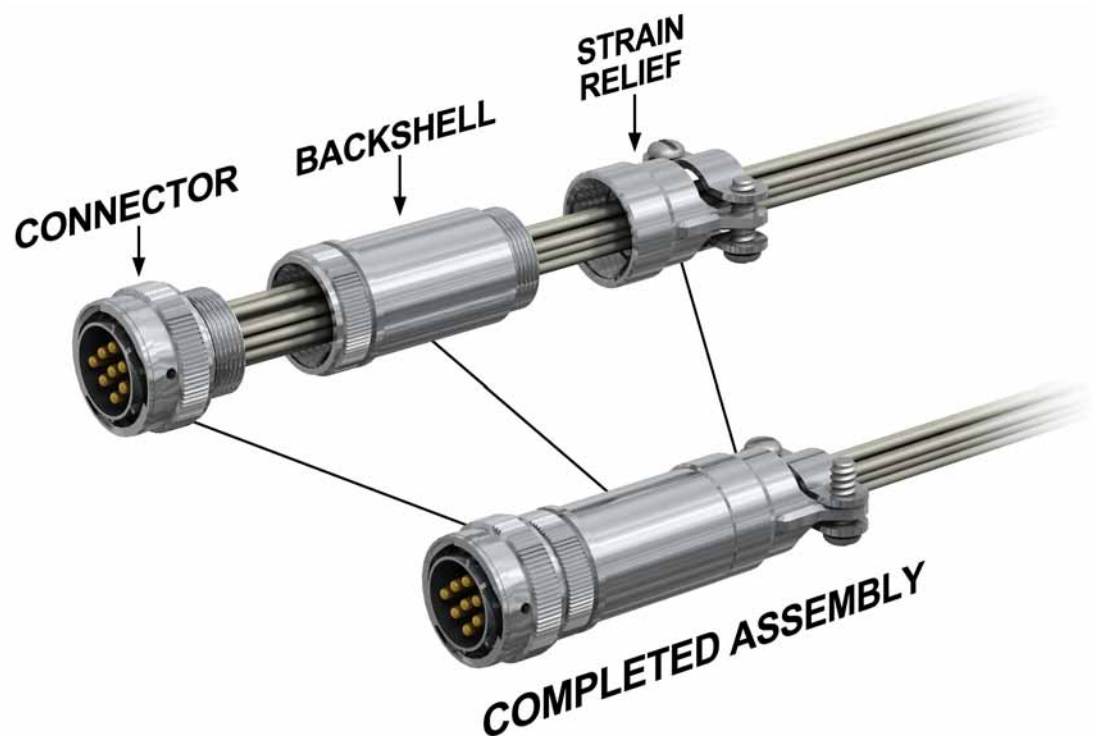
TABLE II - AVAILABLE FINISHES

CODE	DESCRIPTION	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.	-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.	-65 to +175 °C	
Y	Pure dense electrodeposited aluminum in accordance with MIL-DTL-83488, Type II, to withstand 500 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.	-65 to +175 °C	Not for use on shield termination type connector accessories.
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.	-65 to +175 °C	

SECTION 5D

BACKSHELLS

NON-ENVIRONMENTAL



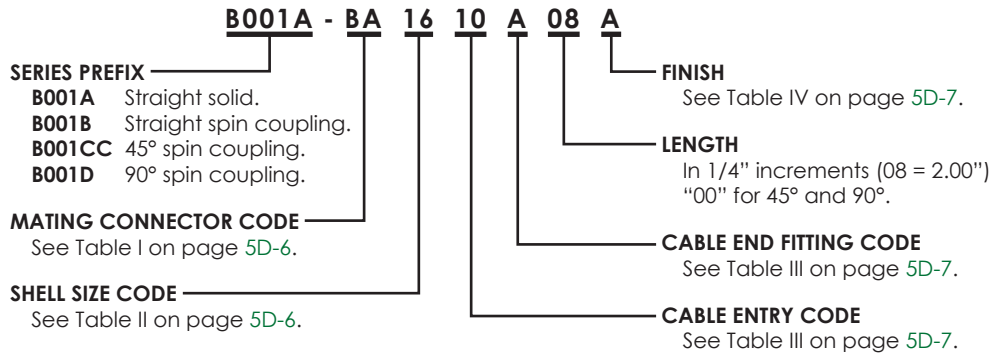
Typical Non-Environmental Backshell Assembly

STRAIGHT, 45° & 90° BACKSHELL NON-ENVIRONMENTAL

B001A, B001B, B001CC, B001D

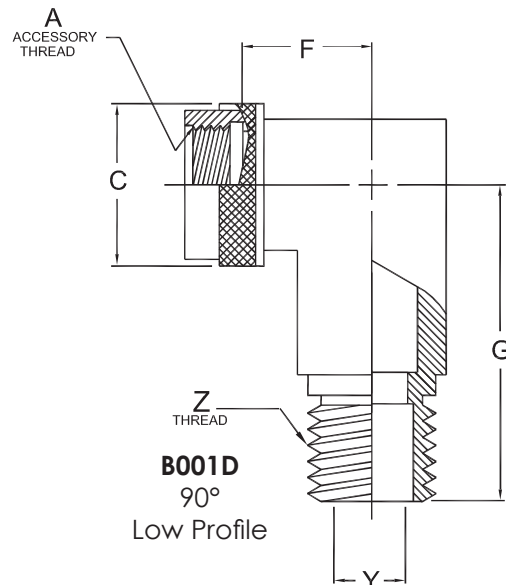
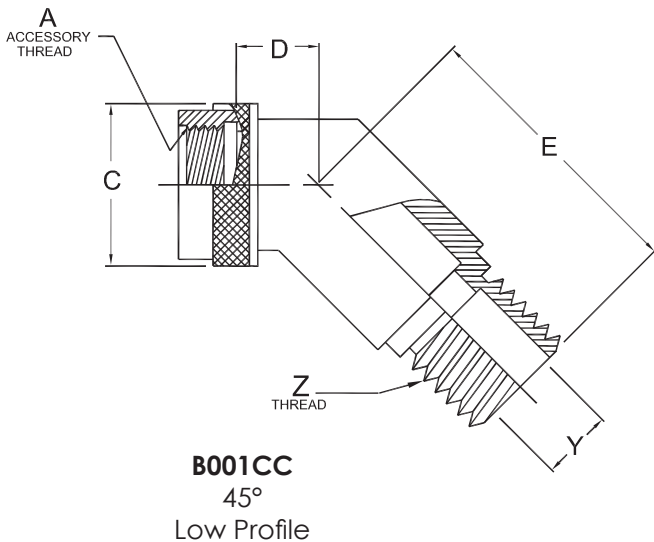
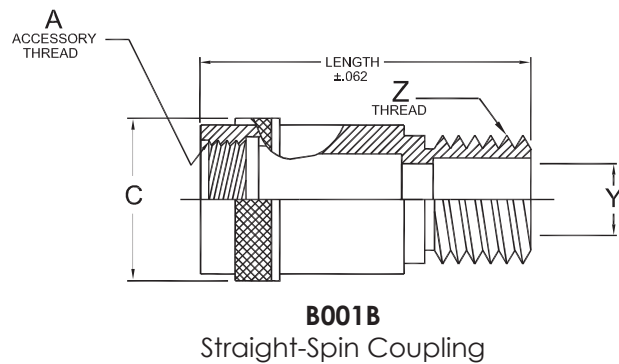
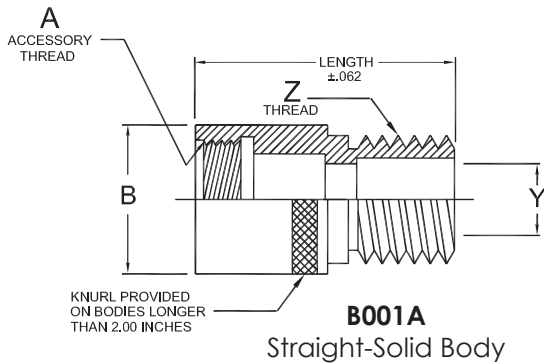
Various Series. See Table I on Page 5D-6.

ORDERING INFORMATION



An interfacial adapter will be supplied when maximum cable entry exceeds the connector insert diameter. See page 5D-4.

For dimensions Y and Z, see Table III on page 5D-7.



STRAIGHT, 45° & 90° BACKSHELL NON-ENVIRONMENTAL

B001A, B001B, B001CC, B001D

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE									B MAX.	C MAX.	D MAX.	E MAX.	F MAX.	G MAX.
	AB	AF	AK	AM	BA	BB	BF		BG						
			SWLD	SWL			SERIES								
		*1	*2				I	II	III						
.375-32UNEF	8S									.531	.688	.500	1.000	.750	1.125
.438-28UNEF					8		9	8		.594	.688	.500	1.000	.750	1.125
.500-20UNF		8 & 8S								.656	.617	.500	1.000	.750	1.125
.500-28UNEF	10S			10						.656	.850	.500	1.000	.750	1.188
M12x 1.0									9	.656	.688	.750	1.031	1.000	1.250
.562-24UNEF					10		11	10		.719	.812	.750	1.031	1.000	1.250
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.781	.875	.750	1.031	1.000	1.250
M15x 1.0									11	.781	.812	.750	1.062	1.000	1.312
.688-24UNEF					12		13	12		.844	.938	.812	1.062	1.062	1.312
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.906	1.000	.812	1.062	1.062	1.312
M18x 1.0									13	.906	.938	.812	1.125	1.062	1.312
.812-20UNEF					14		15	14		.969	1.062	.812	1.125	1.062	1.375
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.031	1.125	.812	1.125	1.062	1.375
M22x 1.0									15	1.031	1.062	.812	1.188	1.062	1.438
.938-20UNEF					16		17	16		1.094	1.188	.844	1.188	1.125	1.438
1.000-20UNEF	18	16 & 16S	16	18		14				1.156	1.250	.844	1.188	1.125	1.438
M25x 1.0									17	1.156	1.188	.844	1.188	1.125	1.500
1.062-18UNEF		18			18		19	18		1.219	1.312	.875	1.188	1.188	1.500
1.125-18UNEF	20		18	20		16				1.281	1.375	.875	1.188	1.188	1.562
M28x 1.0									19	1.281	1.312	.875	1.188	1.188	1.562
1.188-18UNEF		20			20		21	20		1.344	1.438	.938	1.188	1.250	1.562
1.250-18UNEF	22		20	22		18				1.406	1.500	.938	1.188	1.250	1.625
M31 x 1.0									21	1.406	1.438	.938	1.250	1.250	1.625
1.312-18UNEF		22			22		23	22		1.469	1.562	.938	1.250	1.250	1.625
1.375-18UNEF	24		22	24		20				1.531	1.625	.938	1.250	1.250	1.625
M34x 1.0									23	1.531	1.562	.938	1.312	1.250	1.750
1.438-18UNEF		24			24		25	24		1.594	1.688	1.000	1.312	1.375	1.750
1.500-18UNEF						22				1.656	1.688	1.000	1.312	1.375	1.750
M37x 1.0									25	1.656	1.688	1.000	1.312	1.375	1.750
1.625-18UNEF	28		24	28		24				1.844	1.969	1.000	1.312	1.375	1.750
1.750-18UNS		28								1.969	2.094	1.000	1.438	1.375	1.812
1.875-16UN	32		28	32						2.094	2.219	1.125	1.438	1.500	1.812
2.000-18UNS		32								2.219	2.344	1.125	1.438	1.500	1.812
2.062-16UNS	36		32	36						2.281	2.406	1.125	1.500	1.500	2.125
2.250-16UN		36								2.469	2.594	1.125	1.500	1.500	2.250
2.312-16UNS	40		36	40						2.531	2.656	1.250	1.500	1.625	2.250
2.500-16UN		40								2.719	2.844	1.250	1.500	1.500	2.250
2.625-16UN			40	44						2.844	2.969	1.250	1.500	1.625	2.375
2.750-16UN		44								2.969	2.969	1.250	1.500	1.625	2.375
2.875-16UN			44	48						3.094	3.281	1.250	1.500	1.625	2.375
3.000-16UN		48								3.219	2.406	1.250	1.500	1.625	2.375
3.125-16UN			48							3.344	3.531	1.250	1.500	1.625	2.375

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

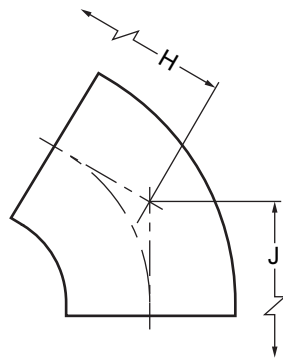
* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

CONFIGURATIONS

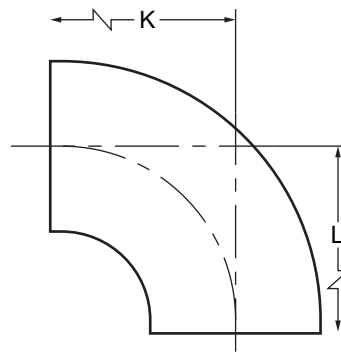
CONFIGURATION CODES

CODE					DESCRIPTION
STRAIGHT	45°	45° BENT TUBE	90°	90° BENT TUBE	
A					Solid body
B	CC	C	D	H	Round non-locking nut, .032" safety wire holes
E	FF	F	G	K	Hex non-locking nut, .032 safety wire holes

BENT TUBE CONFIGURATIONS

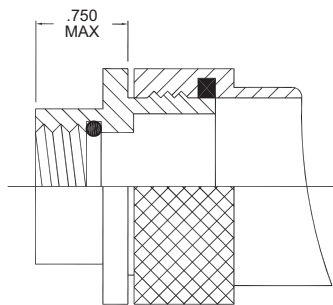


**45°
Bent Tube**

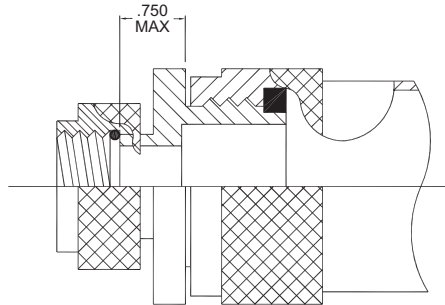


**90°
Bent Tube**

INTERFACIAL ADAPTER CONFIGURATIONS



**Straight Solid
Configuration**



**Straight 45° & 90°
Spin Configuration**

O-Rings Supplied for Environmental Assemblies Only

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE								H MAX.	J MAX.	K MAX.	L MAX.	
	AB	AF	AK	AM	BA	BB	BF						BG
			SWLD	SWL			SERIES						
		*1	*2					I					II
.375-32UNEF	8S								.812	.875	1.125	1.188	
.438-28UNEF					8		9	8		.812	.875	1.125	1.188
.500-20UNF		8 & 8S								.812	.875	1.125	1.188
.500-28UNEF	10S			10						.812	.875	1.125	1.188
M12x 1.0									9	.812	.875	1.125	1.188
.562-24UNEF					10		11	10		.875	.938	1.250	1.312
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.875	.938	1.250	1.312
M15x 1.0									11	.875	.938	1.250	1.312
.688-24UNEF					12		13	12		.938	1.000	1.375	1.438
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.938	1.000	1.375	1.438
M18x 1.0									13	.938	1.000	1.375	1.438
.812-20UNEF					14		15	14		1.000	1.062	1.500	1.562
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.000	1.062	1.500	1.562
M22x 1.0									15	1.000	1.062	1.500	1.562
.938-20UNEF					16		17	16		1.062	1.125	1.625	1.688
1.000-20UNEF	18	16 & 16S	16	18		14				1.062	1.125	1.625	1.688
M25x 1.0									17	1.062	1.125	1.625	1.688
1.062-18UNEF		18			18		19	18		1.094	1.156	1.750	1.812
1.125-18UNEF	20		18	20		16				1.094	1.156	1.750	1.812
M28x 1.0									19	1.094	1.156	1.750	1.812
1.188-18UNEF		20			20		21	20		1.156	1.219	1.875	1.938
1.250-18UNEF	22		20	22		18				1.156	1.219	1.875	1.938
M31 x 1.0									21	1.156	1.219	1.875	1.938
1.312-18UNEF		22			22		23	22		1.188	1.250	2.000	2.062
1.375-18UNEF	24		22	24		20				1.188	1.250	2.000	2.062
M34x 1.0									23	1.188	1.250	2.000	2.062
1.438-18UNEF		24			24		25	24		1.250	1.312	2.125	2.188
1.500-18UNEF						22				1.250	1.312	2.125	2.188
M37x 1.0									25	1.250	1.312	2.125	2.188
1.625-18UNEF	28		24	28		24				1.344	1.625	2.375	2.625
1.750-18UNS		28								1.344	1.625	2.375	2.625
1.875-16UN	32		28	32						1.438	1.812	2.625	3.000
2.000-18UNS		32								1.438	1.812	2.625	3.000
2.062-16UNS	36		32	36						1.562	1.938	2.875	3.250
2.250-16UN		36								1.562	1.938	2.875	3.250
2.312-16UNS	40		36	40						1.688	2.062	3.125	3.500
2.500-16UN		40								1.688	2.062	3.125	3.500
2.625-16UN			40	44						1.750	2.188	3.375	3.812
2.750-16UN		44								1.750	2.188	3.375	3.812
2.875-16UN			44	48						1.875	2.312	3.625	4.062
3.000-16UN		48								1.875	2.312	3.625	4.062
3.125-16UN			48							1.875	2.312	3.625	4.062

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

MATING CONNECTOR CODES

TABLE I. MATING CONNECTOR CODES

CODE	CONNECTOR SPECIFICATION
AB	MIL-DTL-5015, Solder Contacts, and F80 Crimp, SCP and SCPB Series
AF	MIL-DTL-5015, Crimp Front or Rear Release Contacts SC30 thru SC39 and SC50 thru SC59 MIL-DTL-26482, Series 2, SCPT70 thru SCPT79
AK	MIL-DTL-22992, Class C & R, SWLD Series, SCP17343 thru SCP17347
AM	SWL Series
BA	MIL-DTL-26482 Series I, Solder or Crimp Front Release, SCPT and SCPC Series
BB	MIL-DTL-26482 Series 1, Class E, F & P SCPT07* and SCPT07S
BF	MIL-DTL-38999 Series I & II, SC1001, SC1466, SC1467, SC1468, SC1469, SC1470, SC1471, SC1496, SC1498, SC1505, SC1656, SC1662, SC2001, SC2472, SC2473, SC2474, SC2475, SC2476, SC2477, SC2478, SC2484, SC2497, SC2499, SC2508, SC2513
BG	MIL-DTL-38999, Series III, SC3920 thru SC3926

SHELL SIZE CODES

TABLE II. SHELL SIZE CODES

SHELL SIZE CODE	MATING CONNECTOR CODES								
	AB	AF	AK	AM	BA	BB	BF		BG
			SWLD	SWL			SERIES		
							I	II	III
08	8S	8 & 8S			8	8	9	8	
09									9
10	10S	10, 10S & 10SL		10	10	10	11	10	
11				12					11
12	10SL, 12 & 12S	12 & 12S	12	14	12	12	13	12	
13									13
14	14 & 14S	14 & 14S	14	16	14	14	15	14	
15									15
16	16 & 16S	16 & 16S	16	18	16	16	17	16	
17									17
18	18	18	18	20	18	18	19	18	
19									19
20	20	20	20	22	20	20	21	20	
21									21
22	22	22	22	24	22	22	23	22	
23									23
24	24	24	24	28	24	24	25	24	
25									25
28	28	28	28	32					
32	32	32	32	36					
36	36	36	36	40					
40	40	40	40	44					
44		44	44						
48		48	48						

TABLE III. CABLE ENTRY CODE/CABLE END FITTING DIMENSIONS

CABLE ENTRY CODE	Z FITTING THREAD	Y REF.	END FITTING A				END FITTING B & C					END FITTING D				END FITTING E	
			X ±.031	W ±.031	CLAMP RANGE		V MAX.	U MAX.	T MAX.	CLAMP RANGE		S ±.020	R ±	CLAMP RANGE		P ±.016	N ±.016
					OPEN	CLOSED				OPEN	CLOSED			OPEN	CLOSED		
03	.500-28UNEF	.250	.812	.812	.250	.156	.812	1.031	1.031	.219	.094	—	—	—	—	.625	.438
04	.625-24UNEF	.312	.875	.812	.312	.188	.938	1.031	1.375	.312	.094	.938	1.281	.312	.125	.750	.438
06	.750-20UNEF	.438	1.062	.875	.438	.281	1.062	1.031	1.375	.438	.250	1.125	1.281	.438	.250	.875	.438
08	.875-20UNEF	.562	1.156	.938	.562	.344	1.188	1.031	1.375	.531	.312	1.312	1.281	.562	.312	1.031	.438
10	1.000-20UNEF	.625	1.250	.938	.625	.375	1.312	1.094	1.438	.625	.375	1.312	1.281	.625	.350	1.156	.438
12	1.188-18UNEF	.750	1.469	.938	.750	.438	1.562	1.219	1.438	.750	.500	1.531	1.312	.750	.500	1.344	.438
16	1.438-18UNEF	.938	1.688	1.031	.938	.562	1.750	1.219	1.562	.938	.594	1.750	1.406	.938	.625	1.564	.438
20	1.750-18UNS	1.250	2.031	1.094	1.250	.750	2.250	1.344	1.812	1.250	.938	2.094	1.594	1.250	.875	1.906	.500
24	2.000-18UNS	1.375	2.281	1.156	1.375	.781	2.375	1.547	2.062	1.375	.969	2.344	1.625	1.375	1.000	2.156	.562
28	2.250-16UN	1.625	2.688	1.688	1.625	.969	2.625	1.547	2.062	1.625	1.188	2.750	1.900	1.625	1.250	2.406	.562
32	2.500-16UN	1.875	2.938	1.750	1.875	1.125	2.812	1.734	2.188	1.875	1.375	3.000	1.900	1.875	1.438	2.656	.625
40	3.000-16UN	2.375	3.500	1.750	2.375	1.469	—	—	—	—	—	—	—	—	—	3.156	.688

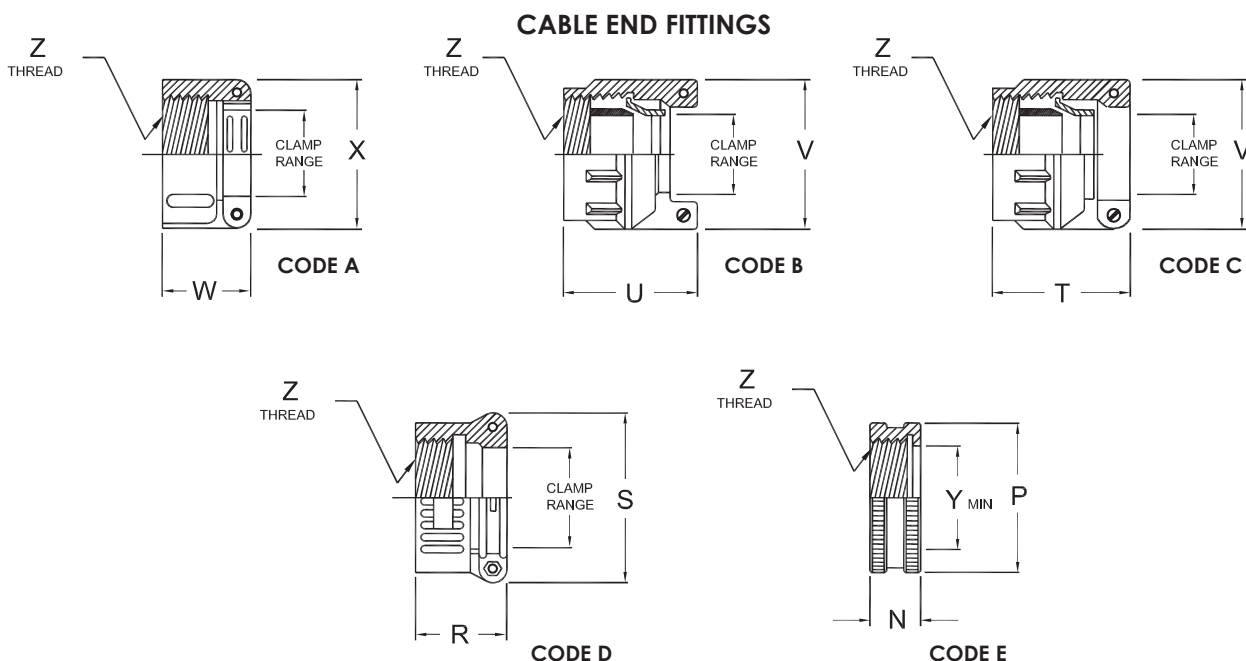


TABLE IV. FINISH CODES CONSULT FACTORY FOR OTHER AVAILABLE FINISHES

FINISH CODE	DESCRIPTION
A	Cadmium, Olive Drab, per QQ-P-416, Type II, Over Electroless Nickel, per MIL-C-26074 (1000 Hour Salt Spray Finish)
B	Cadmium, Black, per QQ-P-416, Type II, Class 3
C	Cadmium, Olive Drab, per QQ-P-416, Type II, Class 3
D	Cadmium - Yellow, per QQ-P-416, Type II Class 3, 48 Hours
E	Cadmium - Yellow Over Nickel, 48 Hours
F	Anodize, Sulphuric, Black, per MIL-A-8625, Type II, Class 2
G	Chromium Plate, per QQ-C-320, CLASS 2 A, Type II
H	Anodize, Hard, Black, per MIL-A-8625, Type III, Class 2
I	Chemical Film, per MIL-C-5541
J	Cadmium, Clear, per QQ-P-416, Type II Class 3
K	Nickel, Electro Deposited, per QQ-N-290, Class 2

FINISH CODE	DESCRIPTION
L	Zinc Cobalt, Color O.D. .000050
M	Zinc Cobalt, Color Black, .000050
N	Electroless Nickel, per MIL-C-26074, Class 4, Grade B
R	Anodize, Hard, Gray, per MIL-A-8625, Type III, Class 1
S	Anodize, Sulphuric, Gray, per MIL-A-8625, Type II, Class 1
T	Anodize, Hard Color Blue
U	Anodize, Hard Color Red
V	Anodize, Hard Color Yellow
X	Cadmium, Bright, per QQ-P-416, Type II, Over Electroless Nickel, per MIL-C-26074
Z	Anodize, Hard, Green, per MIL-A-8625, Type III, Class 1, Dichromate Seal

STRAIGHT NON-ENVIRONMENTAL ADAPTER

B049BA34

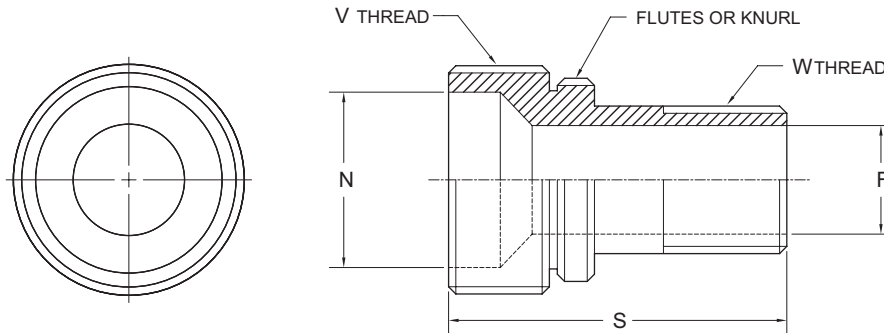
For SCPT07E, SCPT07S*, SCPT74 Receptacles

ORDERING INFORMATION

B049BA34 - 12 W

SERIES PREFIX — **FINISH**
See Table I below.

DASH NUMBER —
See Dimension Table below.



DASH NO.	MIL-DTL-26482 SERIES 1 SHELL SIZE	ØF +.005 -.001 [0.13] [-0.03]	ØN +.010 -.011 [0.25] [-0.28]	S MAX	THREAD UNEF CLASS 2A	
					V	W
8	8	.322 [8.18]	.500 [12.70]	.812 [20.62]	5/8-24	7/16-28
10	10	.439 [11.15]	.609 [15.47]	.812 [20.62]	3/4-20	9/16-24
12	12	.564 [14.33]	.734 [18.64]	.812 [20.62]	7/8-20	11/16-24
14	14	.668 [16.97]	.859 [21.82]	.812 [20.62]	1-20	13/16-20
16	16	.793 [20.14]	.969 [24.61]	.812 [20.62]	1 1/8-18	15/16-20
18	18	.910 [23.11]	1.109 [28.17]	.812 [20.62]	1 1/4-18	1 1/16-18
20	20	1.025 [26.03]	1.219 [30.96]	.906 [23.01]	1 3/8-18	1 3/16-18
22	22	1.150 [29.21]	1.344 [34.14]	.906 [23.01]	1 1/2-18	1 5/16-18
24	24	1.275 [32.38]	1.469 [37.31]	.937 [23.80]	1 5/8-18	1 7/16-18

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	TEMP. RANGE	EXCLUSIONS
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.	-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.	-65 to +175 °C	
Y	Pure dense electrodeposited aluminum in accordance with MIL-DTL-83488, Type II, to withstand 500 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.	-65 to +175 °C	Not for use on shield termination type connector accessories.
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.	-65 to +175 °C	

STRAIGHT NON-ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049BF29

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

ORDERING INFORMATION

B049BF29 - 10 N 10 A

SERIES PREFIX ————

DASH NUMBER ————
See Table I.

FINISH/MATERIAL ————
See Table III below.

LENGTH ————

CLAMP SIZE ————
See Table II.

CODE	SHELL SIZE	LENGTH One Piece Construction ±.032 [±0.81]
BLANK	8 thru 24	1.50
A	8 thru 24	2.50
B	14 thru 24	3.50
C	20 thru 24	4.50

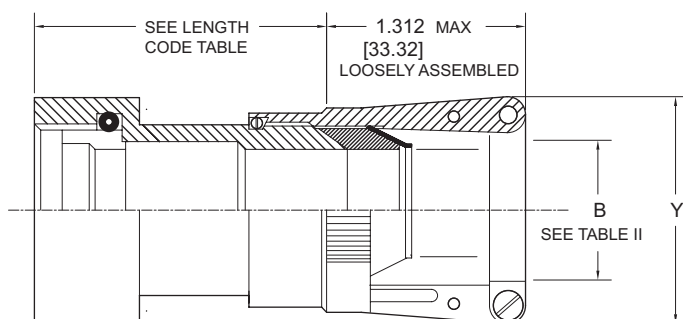


TABLE I

DASH NO.	CONNECTOR SHELL SIZE		CLAMP SIZE RANGE*	
	SERIES II	SERIES I	MIN.	MAX.
8	8	9	01	02
10	10	11	01	03
12	12	13	02	04
14	14	15	02	05
16	16	17	02	06
18	18	19	03	07
20	20	21	03	08
22	22	23	03	09
24	24	25	04	10

* Clamp size range applicable to M85049/29 only.
Dimensions in brackets [] are in millimeters.

TABLE II

CLAMP SIZE	B CABLE RANGE		Y MAX
	MIN.	MAX.	
01	.062 [1.57]	.125 [3.17]	.781 [19.84]
02	.125 [3.17]	.250 [6.35]	.969 [24.61]
03	.250 [6.35]	.375 [9.52]	1.062 [26.97]
04	.312 [7.92]	.500 [12.70]	1.156 [29.36]
05	.437 [11.10]	.625 [15.87]	1.250 [31.75]
06	.562 [14.27]	.750 [19.05]	1.375 [34.92]
07	.687 [17.45]	.875 [22.22]	1.500 [38.10]
08	.812 [20.62]	1.000 [25.40]	1.625 [41.27]
09	.937 [23.80]	1.125 [28.57]	1.750 [44.45]
10	1.062 [26.97]	1.250 [31.75]	1.875 [47.62]

TABLE III - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.		-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Y	Pure dense electrodeposited aluminum in accordance with MIL-DTL-83488, Type II, to withstand 500 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	Not for use on shield termination type connector accessories.
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

STRAIGHT NON-ENVIRONMENTAL ADAPTER

B049BF35

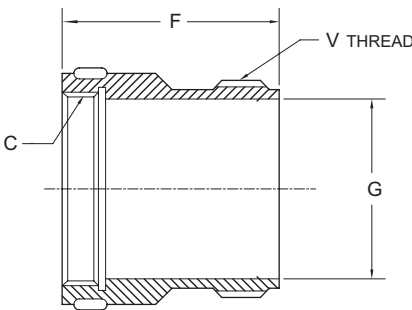
For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

ORDERING INFORMATION

B049BF35 - 12

SERIES PREFIX ——— DASH NUMBER

See Dimension Table below.



DASH NO.	SHELL SIZE		C THREAD UNEF CLASS 2B	F MAX	ØG MIN	V THREAD UNEF CLASS 2A
	SERIES I	SERIES II				
8	9	8	7/16-28	.688 [17.48]	.281 [7.14]	1/2-28
10	11	10	9/16-24		.406 [10.31]	5/8-24
12	13	12	11/16-24		.531 [13.49]	3/4-20
14	15	14	13/16-20		.656 [16.66]	7/8-20
16	17	16	15/16-20		.781 [19.84]	1-20
18	19	18	1 1/16-18		.875 [22.22]	1 3/16-18
20	21	20	1 3/16-18	.750 [19.05]	1.000 [25.40]	
22	23	22	1 5/16-18		1.125 [28.57]	1 7/16-18
24	25	24	1 7/16-18		1.250 [31.75]	

Dimensions in brackets [] are in millimeters.

STRAIGHT NON-ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049BG21

For **SC3*** Series (MIL-DTL-38999 Series III)

ORDERING INFORMATION

SERIES PREFIX	B049BG21	- 9	A	02	A	LENGTH
SHELL SIZE						
See Table I below.						
FINISH/MATERIAL						
See Table III on next page.						
						CLAMP SIZE
						See Table II.

CODE
STANDARD
A
B
C

CODE	ACCESSORY SHELL SIZE	LENGTH IN INCHES ± .06 [±1.52]
STANDARD	9 thru 25	1.50 [38.10]
A	9 thru 25	2.50 [63.50]
B	15 thru 25	3.50 [88.90]
C	21 thru 25	4.50 [114.30]

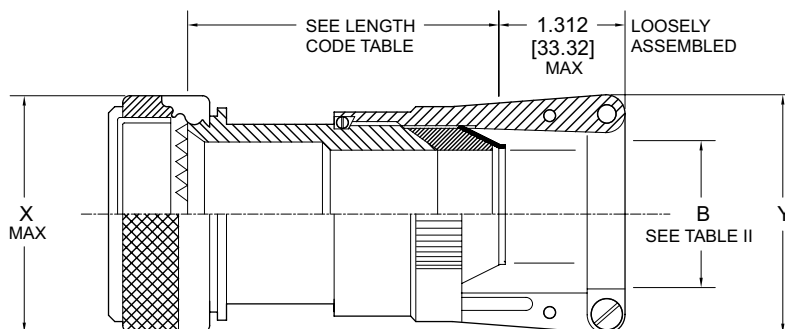


TABLE I

SHELL SIZE	CLAMP SIZE		X MAX DIA OF COUPLING RING
	MIN.	MAX.	
9	01	02	.75 [19.05]
11	01	03	.85 [21.59]
13	02	04	1.00 [25.40]
15	02	05	1.10 [27.94]
17	02	06	1.25 [31.75]
19	03	07	1.40 [35.56]
21	03	08	1.50 [38.10]
23	03	09	1.65 [41.91]
25	04	10	1.75 [44.45]

Dimensions in brackets [] are in millimeters.

TABLE II

CLAMP SIZE	B CABLE RANGE		Y MAX
	MIN.	MAX.	
01	.062 [1.57]	.125 [3.17]	.80 [20.32]
02	.125 [3.17]	.250 [6.35]	1.000 [25.40]
03	.250 [6.35]	.375 [9.52]	1.10 [27.94]
04	.312 [7.92]	.500 [12.70]	1.20 [30.48]
05	.437 [11.10]	.625 [15.87]	1.250 [31.75]
06	.562 [14.27]	.750 [19.05]	1.40 [35.56]
07	.687 [17.45]	.875 [22.22]	1.500 [38.10]
08	.812 [20.62]	1.000 [25.40]	1.65 [41.91]
09	.937 [23.80]	1.125 [28.57]	1.750 [44.45]
10	1.062 [26.97]	1.250 [31.75]	1.90 [48.26]

Dimensions in brackets [] are in millimeters.

STRAIGHT NON-ENVIRONMENTAL BACKSHELL WITH CABLE CLAMP

B049BG21

Ordering Information on Previous Page

TABLE III - AVAILABLE FINISHES

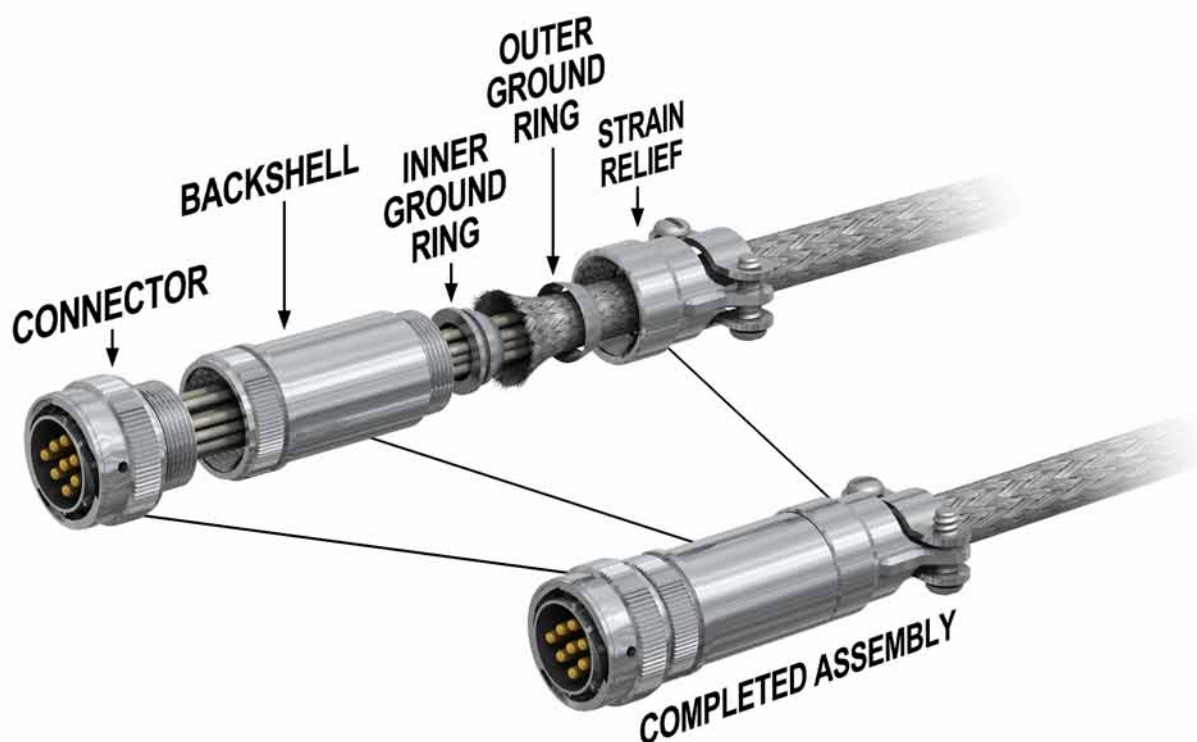
CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.		-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Y	Pure dense electrodeposited aluminum in accordance with MIL-DTL-83488, Type II, to withstand 500 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	Not for use on shield termination type connector accessories.
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	



SECTION 6D

BACKSHELLS

NON-ENVIRONMENTAL EMI/RFI



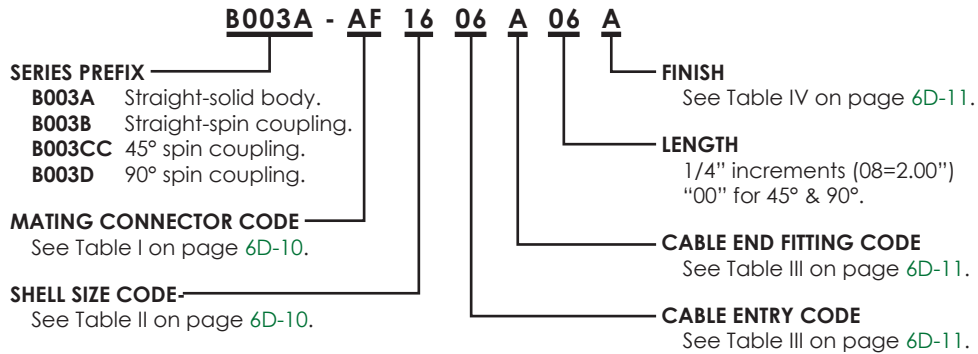
Typical Non-Environmental EMI/RFI Backshell Assembly

STRAIGHT, 45° & 90° NON-ENVIRONMENTAL EMI/RFI BACKSHELL WITH CONE TERMINATION

B003A, B003B, B003CC, B003D

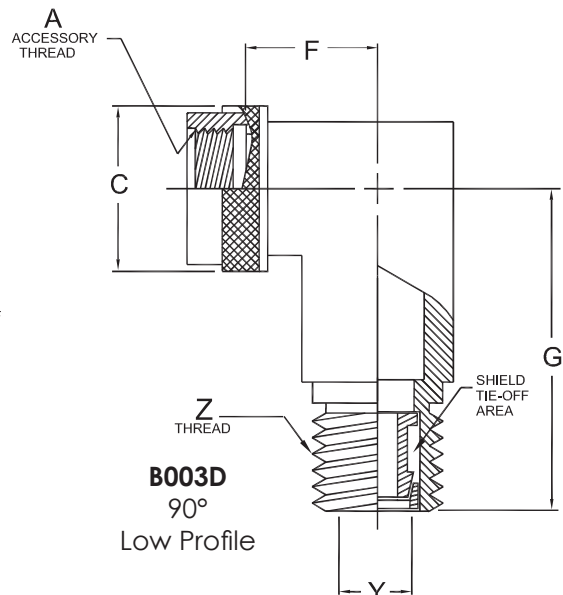
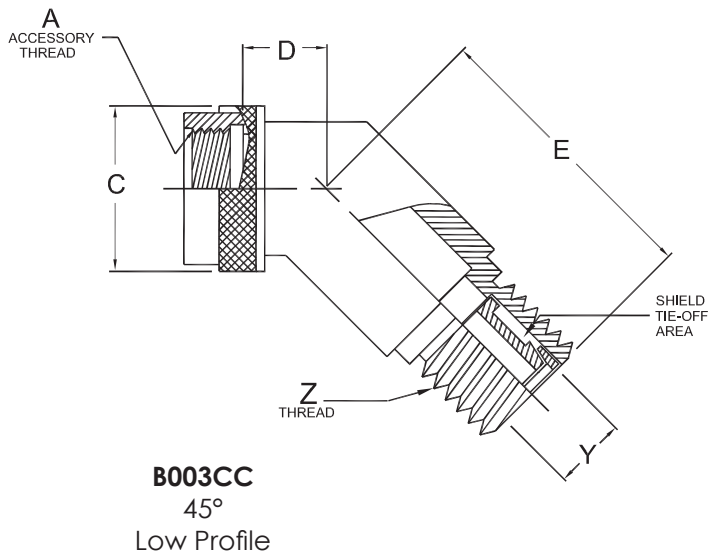
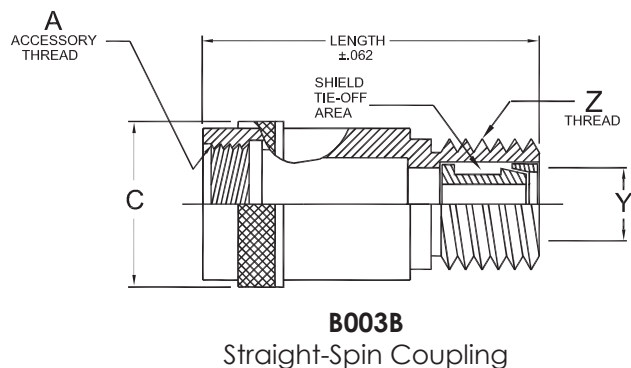
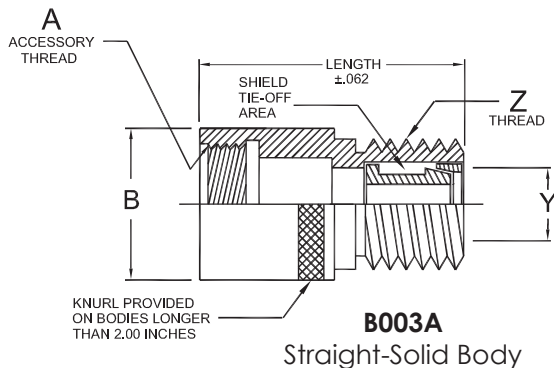
Various Series. See Table I on Page 6D-10.

ORDERING INFORMATION



An interfacial adapter will be supplied when maximum cable entry exceeds the connector insert diameter. See page 6D-8.

For dimensions Y and Z see Table III on Page 6D-11.



STRAIGHT, 45° & 90° NON-ENVIRONMENTAL EMI/RFI BACKSHELL WITH CONE TERMINATION

B003A, B003B, B003CC, B003D

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE									B MAX.	C MAX.	D MAX.	E MAX.	F MAX.	G MAX.
	AB	AF	AK	AM	BA	BB	BF		BG						
			SWLD	SWL			SERIES								
		*1	*2				I	II	III						
.375-32UNEF	8S									.531	.688	.500	1.000	.750	1.125
.438-28UNEF					8		9	8		.594	.688	.500	1.000	.750	1.125
.500-20UNF		8 & 8S								.656	.617	.500	1.000	.750	1.125
.500-28UNEF	10S			10						.656	.850	.500	1.000	.750	1.188
M12x 1.0									9	.656	.688	.750	1.031	1.000	1.250
.562-24UNEF					10		11	10		.719	.812	.750	1.031	1.000	1.250
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.781	.875	.750	1.031	1.000	1.250
M15x 1.0									11	.781	.812	.750	1.062	1.000	1.312
.688-24UNEF					12		13	12		.844	.938	.812	1.062	1.062	1.312
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.906	1.000	.812	1.062	1.062	1.312
M18x 1.0									13	.906	.938	.812	1.125	1.062	1.312
.812-20UNEF					14		15	14		.969	1.062	.812	1.125	1.062	1.375
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.031	1.125	.812	1.125	1.062	1.375
M22x 1.0									15	1.031	1.062	.812	1.188	1.062	1.438
.938-20UNEF					16		17	16		1.094	1.188	.844	1.188	1.125	1.438
1.000-20UNEF	18	16 & 16S	16	18		14				1.156	1.250	.844	1.188	1.125	1.438
M25x 1.0									17	1.156	1.188	.844	1.188	1.125	1.500
1.062-18UNEF		18			18		19	18		1.219	1.312	.875	1.188	1.188	1.500
1.125-18UNEF	20		18	20		16				1.281	1.375	.875	1.188	1.188	1.562
M28x 1.0									19	1.281	1.312	.875	1.188	1.188	1.562
1.188-18UNEF		20			20		21	20		1.344	1.438	.938	1.188	1.250	1.562
1.250-18UNEF	22		20	22		18				1.406	1.500	.938	1.188	1.250	1.625
M31 x 1.0									21	1.406	1.438	.938	1.250	1.250	1.625
1.312-18UNEF		22			22		23	22		1.469	1.562	.938	1.250	1.250	1.625
1.375-18UNEF	24		22	24		20				1.531	1.625	.938	1.250	1.250	1.625
M34x 1.0									23	1.531	1.562	.938	1.312	1.250	1.750
1.438-18UNEF		24			24		25	24		1.594	1.688	1.000	1.312	1.375	1.750
1.500-18UNEF						22				1.656	1.688	1.000	1.312	1.375	1.750
M37x 1.0									25	1.656	1.688	1.000	1.312	1.375	1.750
1.625-18UNEF	28		24	28		24				1.844	1.969	1.000	1.312	1.375	1.750
1.750-18UNS		28								1.969	2.094	1.000	1.438	1.375	1.812
1.875-16UN	32		28	32						2.094	2.219	1.125	1.438	1.500	1.812
2.000-18UNS		32								2.219	2.344	1.125	1.438	1.500	1.812
2.062-16UNS	36		32	36						2.281	2.406	1.125	1.500	1.500	2.125
2.250-16UN		36								2.469	2.594	1.125	1.500	1.500	2.250
2.312-16UNS	40		36	40						2.531	2.656	1.250	1.500	1.625	2.250
2.500-16UN		40								2.719	2.844	1.250	1.500	1.500	2.250
2.625-16UN			40	44						2.844	2.969	1.250	1.500	1.625	2.375
2.750-16UN		44								2.969	2.969	1.250	1.500	1.625	2.375
2.875-16UN			44	48						3.094	3.281	1.250	1.500	1.625	2.375
3.000-16UN		48								3.219	2.406	1.250	1.500	1.625	2.375
3.125-16UN			48							3.344	3.531	1.250	1.500	1.625	2.375

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

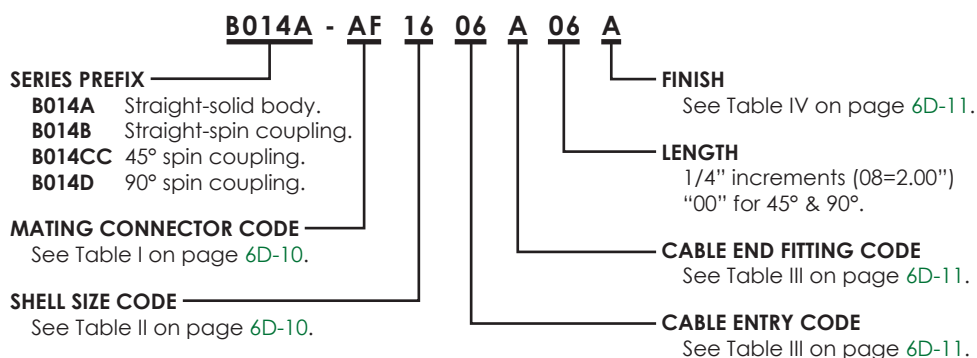
6D

STRAIGHT, 45° & 90° NON-ENVIRONMENTAL EMI/RFI BACKSHELL WITH INVERTED CONE TERMINATION

B014A, B014B, B014CC, B014D

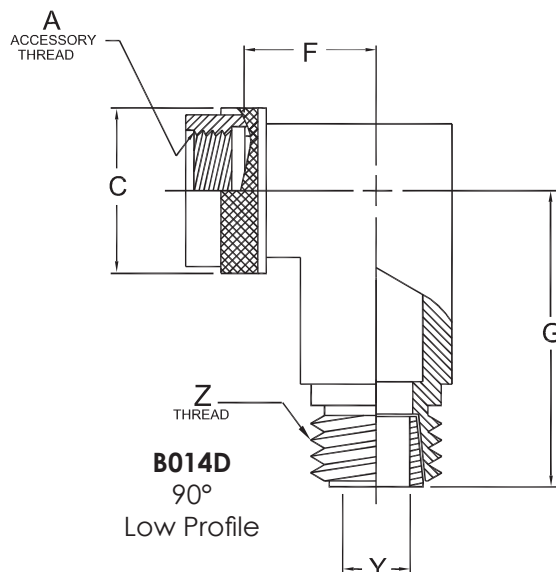
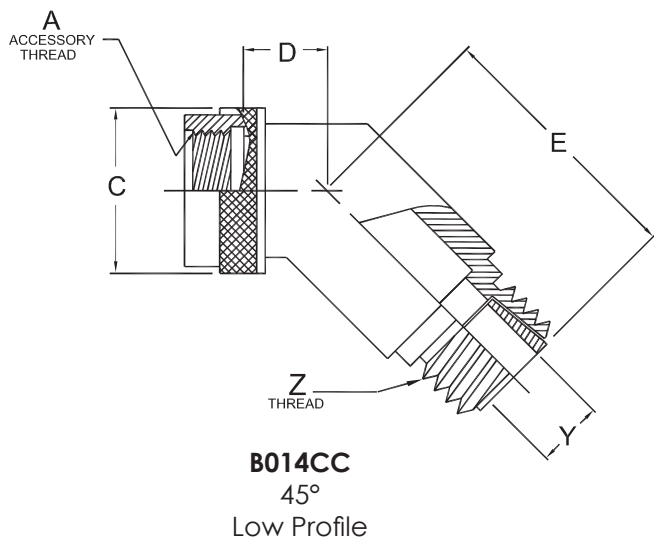
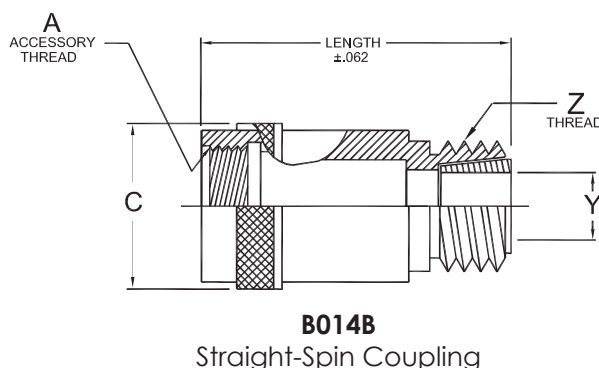
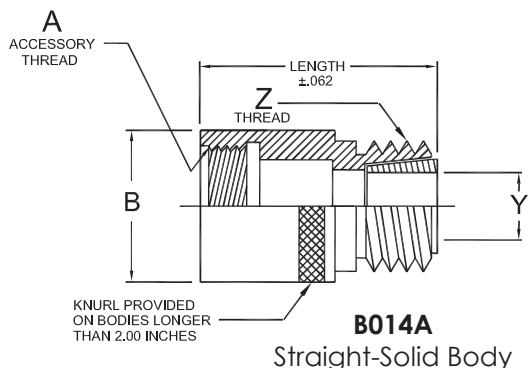
Various Series. See Table I on Page 6D-10.

ORDERING INFORMATION



An interfacial adapter will be supplied when maximum cable entry exceeds the connector insert diameter. See page 6D-8.

For dimensions Y and Z see Table III on Page 6D-11.



STRAIGHT, 45° & 90° NON-ENVIRONMENTAL EMI/RFI BACKSHELL WITH INVERTED CONE TERMINATION

B014A, B014B, B014CC, B014D

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE									B MAX.	C MAX.	D MAX.	E MAX.	F MAX.	G MAX.
	AB	AF	AK	AM	BA	BB	BF		BG						
			SWLD	SWL			SERIES								
		*1	*2				I	II	III						
.375-32UNEF	8S									.531	.688	.500	1.000	.750	1.125
.438-28UNEF					8		9	8		.594	.688	.500	1.000	.750	1.125
.500-20UNF		8 & 8S								.656	.617	.500	1.000	.750	1.125
.500-28UNEF	10S			10						.656	.850	.500	1.000	.750	1.188
M12x 1.0									9	.656	.688	.750	1.031	1.000	1.250
.562-24UNEF					10		11	10		.719	.812	.750	1.031	1.000	1.250
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.781	.875	.750	1.031	1.000	1.250
M15x 1.0									11	.781	.812	.750	1.062	1.000	1.312
.688-24UNEF					12		13	12		.844	.938	.812	1.062	1.062	1.312
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.906	1.000	.812	1.062	1.062	1.312
M18x 1.0									13	.906	.938	.812	1.125	1.062	1.312
.812-20UNEF					14		15	14		.969	1.062	.812	1.125	1.062	1.375
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.031	1.125	.812	1.125	1.062	1.375
M22x 1.0									15	1.031	1.062	.812	1.188	1.062	1.438
.938-20UNEF					16		17	16		1.094	1.188	.844	1.188	1.125	1.438
1.000-20UNEF	18	16 & 16S	16	18		14				1.156	1.250	.844	1.188	1.125	1.438
M25x 1.0									17	1.156	1.188	.844	1.188	1.125	1.500
1.062-18UNEF		18			18		19	18		1.219	1.312	.875	1.188	1.188	1.500
1.125-18UNEF	20		18	20		16				1.281	1.375	.875	1.188	1.188	1.562
M28x 1.0									19	1.281	1.312	.875	1.188	1.188	1.562
1.188-18UNEF		20			20		21	20		1.344	1.438	.938	1.188	1.250	1.562
1.250-18UNEF	22		20	22		18				1.406	1.500	.938	1.188	1.250	1.625
M31 x 1.0									21	1.406	1.438	.938	1.250	1.250	1.625
1.312-18UNEF		22			22		23	22		1.469	1.562	.938	1.250	1.250	1.625
1.375-18UNEF	24		22	24		20				1.531	1.625	.938	1.250	1.250	1.625
M34x 1.0									23	1.531	1.562	.938	1.312	1.250	1.750
1.438-18UNEF		24			24		25	24		1.594	1.688	1.000	1.312	1.375	1.750
1.500-18UNEF						22				1.656	1.688	1.000	1.312	1.375	1.750
M37x 1.0									25	1.656	1.688	1.000	1.312	1.375	1.750
1.625-18UNEF	28		24	28		24				1.844	1.969	1.000	1.312	1.375	1.750
1.750-18UNS		28								1.969	2.094	1.000	1.438	1.375	1.812
1.875-16UN	32		28	32						2.094	2.219	1.125	1.438	1.500	1.812
2.000-18UNS		32								2.219	2.344	1.125	1.438	1.500	1.812
2.062-16UNS	36		32	36						2.281	2.406	1.125	1.500	1.500	2.125
2.250-16UN		36								2.469	2.594	1.125	1.500	1.500	2.250
2.312-16UNS	40		36	40						2.531	2.656	1.250	1.500	1.625	2.250
2.500-16UN		40								2.719	2.844	1.250	1.500	1.500	2.250
2.625-16UN			40	44						2.844	2.969	1.250	1.500	1.625	2.375
2.750-16UN		44								2.969	2.969	1.250	1.500	1.625	2.375
2.875-16UN			44	48						3.094	3.281	1.250	1.500	1.625	2.375
3.000-16UN		48								3.219	2.406	1.250	1.500	1.625	2.375
3.125-16UN			48							3.344	3.531	1.250	1.500	1.625	2.375

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

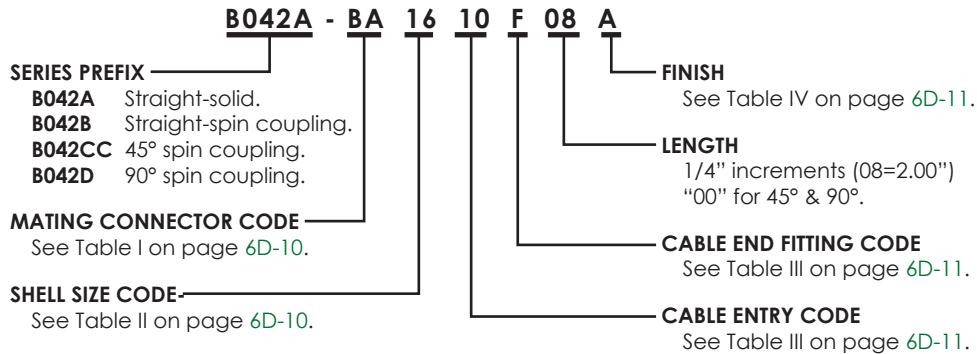
6D

STRAIGHT, 45° & 90° NON-ENVIRONMENTAL EMI/RFI BACKSHELL LIGHT WEIGHT

B042A, B042B, B042CC, B042D

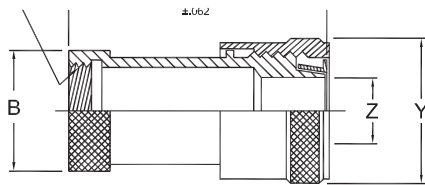
Various Series. See Table I on Page 6D-10.

ORDERING INFORMATION

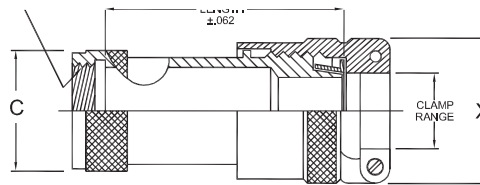


An interfacial adapter will be supplied when maximum cable entry exceeds the connector insert diameter. See page 6D-8.

For dimensions Y and Z see Table III on Page 6D-11.



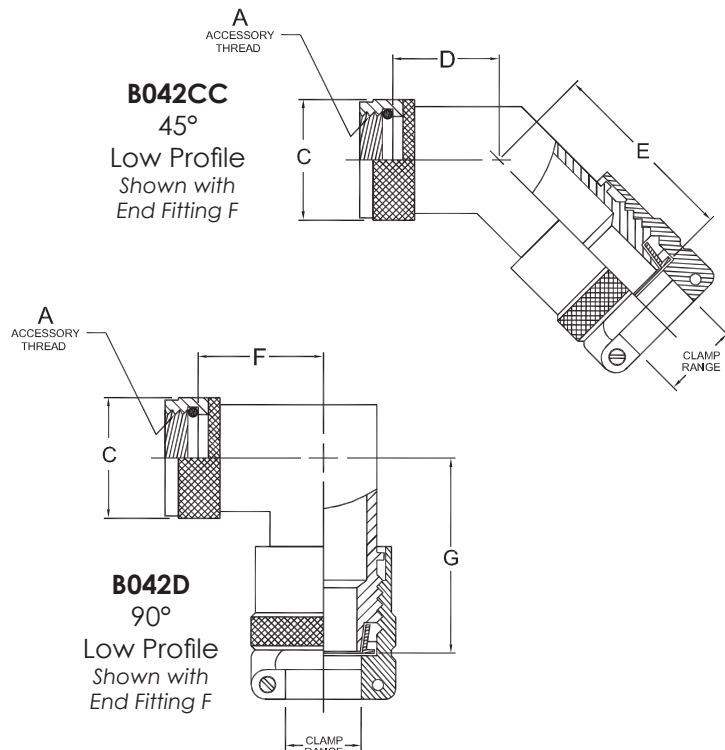
B042A
Straight-Solid Body
Shown with End Fitting G



B042B
Straight-Spin Coupling
Shown with End Fitting F

CABLE END FITTING DIMENSIONS

CABLE ENTRY CODE	X MAX.	Y MAX.	Z REF.	CLAMP RANGE	
				OPEN	CLOSED
02	.719	.656	.125	.125	.062
04	.844	.781	.250	.250	.125
06	.969	.906	.375	.375	.188
08	1.094	1.031	.500	.500	.281
10	1.219	1.156	.625	.625	.406
12	1.344	1.281	.750	.750	.531
14	1.469	1.406	.875	.875	.656
16	1.594	1.531	1.000	1.000	.781
18	1.719	1.656	1.125	1.125	.906
20	1.844	1.781	1.250	1.250	1.031
22	1.969	1.906	1.375	1.375	1.156



STRAIGHT, 45° & 90° NON-ENVIRONMENTAL EMI/RFI BACKSHELL LIGHT WEIGHT

B042A, B042B, B042CC, B042D

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE									B MAX.	C MAX.	D MAX.	E MAX.	F MAX.	G MAX.
	AB	AF	AK	AM	BA	BB	BF		BG						
			SWLD	SWL			SERIES								
		*1	*2				I	II	III						
.375-32UNEF	8S									.531	.688	.500	1.000	.750	1.125
.438-28UNEF					8		9	8		.594	.688	.500	1.000	.750	1.125
.500-20UNF		8 & 8S								.656	.617	.500	1.000	.750	1.125
.500-28UNEF	10S			10						.656	.850	.500	1.000	.750	1.188
M12x 1.0									9	.656	.688	.750	1.031	1.000	1.250
.562-24UNEF					10		11	10		.719	.812	.750	1.031	1.000	1.250
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.781	.875	.750	1.031	1.000	1.250
M15x 1.0									11	.781	.812	.750	1.062	1.000	1.312
.688-24UNEF					12		13	12		.844	.938	.812	1.062	1.062	1.312
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.906	1.000	.812	1.062	1.062	1.312
M18x 1.0									13	.906	.938	.812	1.125	1.062	1.312
.812-20UNEF					14		15	14		.969	1.062	.812	1.125	1.062	1.375
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.031	1.125	.812	1.125	1.062	1.375
M22x 1.0									15	1.031	1.062	.812	1.188	1.062	1.438
.938-20UNEF					16		17	16		1.094	1.188	.844	1.188	1.125	1.438
1.000-20UNEF	18	16 & 16S	16	18		14				1.156	1.250	.844	1.188	1.125	1.438
M25x 1.0									17	1.156	1.188	.844	1.188	1.125	1.500
1.062-18UNEF		18			18		19	18		1.219	1.312	.875	1.188	1.188	1.500
1.125-18UNEF	20		18	20		16				1.281	1.375	.875	1.188	1.188	1.562
M28x 1.0									19	1.281	1.312	.875	1.188	1.188	1.562
1.188-18UNEF		20			20		21	20		1.344	1.438	.938	1.188	1.250	1.562
1.250-18UNEF	22		20	22		18				1.406	1.500	.938	1.188	1.250	1.625
M31 x 1.0									21	1.406	1.438	.938	1.250	1.250	1.625
1.312-18UNEF		22			22		23	22		1.469	1.562	.938	1.250	1.250	1.625
1.375-18UNEF	24		22	24		20				1.531	1.625	.938	1.250	1.250	1.625
M34x 1.0									23	1.531	1.562	.938	1.312	1.250	1.750
1.438-18UNEF		24			24		25	24		1.594	1.688	1.000	1.312	1.375	1.750
1.500-18UNEF						22				1.656	1.688	1.000	1.312	1.375	1.750
M37x 1.0									25	1.656	1.688	1.000	1.312	1.375	1.750
1.625-18UNEF	28		24	28		24				1.844	1.969	1.000	1.312	1.375	1.750
1.750-18UNS		28								1.969	2.094	1.000	1.438	1.375	1.812
1.875-16UN	32		28	32						2.094	2.219	1.125	1.438	1.500	1.812
2.000-18UNS		32								2.219	2.344	1.125	1.438	1.500	1.812
2.062-16UNS	36		32	36						2.281	2.406	1.125	1.500	1.500	2.125
2.250-16UN		36								2.469	2.594	1.125	1.500	1.500	2.250
2.312-16UNS	40		36	40						2.531	2.656	1.250	1.500	1.625	2.250
2.500-16UN		40								2.719	2.844	1.250	1.500	1.500	2.250
2.625-16UN			40	44						2.844	2.969	1.250	1.500	1.625	2.375
2.750-16UN		44								2.969	2.969	1.250	1.500	1.625	2.375
2.875-16UN			44	48						3.094	3.281	1.250	1.500	1.625	2.375
3.000-16UN		48								3.219	2.406	1.250	1.500	1.625	2.375
3.125-16UN			48							3.344	3.531	1.250	1.500	1.625	2.375

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

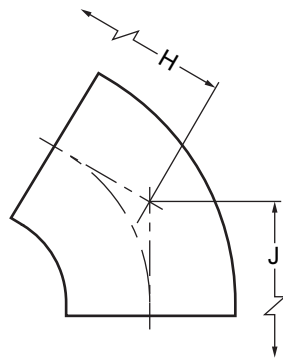
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CONFIGURATIONS

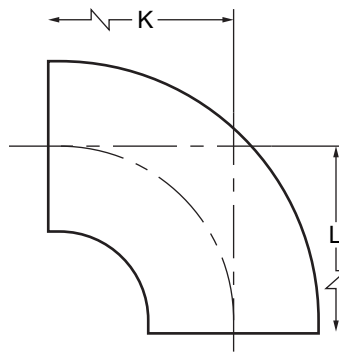
CONFIGURATION CODES

CODE					DESCRIPTION
STRAIGHT	45°	45° BENT TUBE	90°	90° BENT TUBE	
A					Solid body
B	CC	C	D	H	Round non-locking nut, .032" safety wire holes
E	FF	F	G	K	Hex non-locking nut, .032 safety wire holes

BENT TUBE CONFIGURATIONS

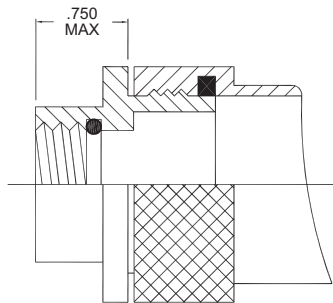


**45°
Bent Tube**

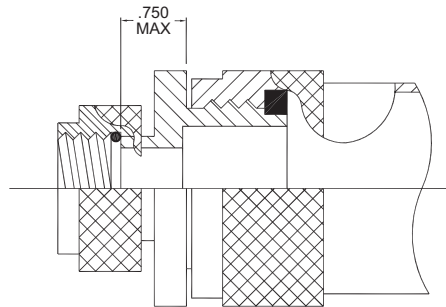


**90°
Bent Tube**

INTERFACIAL ADAPTER CONFIGURATIONS



**Straight Solid
Configuration**



**Straight 45° & 90°
Spin Configuration**

O-Rings Supplied for Environmental Assemblies Only

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE								H MAX.	J MAX.	K MAX.	L MAX.	
	AB	AF	AK	AM	BA	BB	BF						BG
			SWLD	SWL			SERIES						
		*1	*2	I			II	III					
.375-32UNEF	8S									.812	.875	1.125	1.188
.438-28UNEF					8		9	8		.812	.875	1.125	1.188
.500-20UNF		8 & 8S								.812	.875	1.125	1.188
.500-28UNEF	10S			10						.812	.875	1.125	1.188
M12x 1.0									9	.812	.875	1.125	1.188
.562-24UNEF					10		11	10		.875	.938	1.250	1.312
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.875	.938	1.250	1.312
M15x 1.0									11	.875	.938	1.250	1.312
.688-24UNEF					12		13	12		.938	1.000	1.375	1.438
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.938	1.000	1.375	1.438
M18x 1.0									13	.938	1.000	1.375	1.438
.812-20UNEF					14		15	14		1.000	1.062	1.500	1.562
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.000	1.062	1.500	1.562
M22x 1.0									15	1.000	1.062	1.500	1.562
.938-20UNEF					16		17	16		1.062	1.125	1.625	1.688
1.000-20UNEF	18	16 & 16S	16	18		14				1.062	1.125	1.625	1.688
M25x 1.0									17	1.062	1.125	1.625	1.688
1.062-18UNEF		18			18		19	18		1.094	1.156	1.750	1.812
1.125-18UNEF	20		18	20		16				1.094	1.156	1.750	1.812
M28x 1.0									19	1.094	1.156	1.750	1.812
1.188-18UNEF		20			20		21	20		1.156	1.219	1.875	1.938
1.250-18UNEF	22		20	22		18				1.156	1.219	1.875	1.938
M31 x 1.0									21	1.156	1.219	1.875	1.938
1.312-18UNEF		22			22		23	22		1.188	1.250	2.000	2.062
1.375-18UNEF	24		22	24		20				1.188	1.250	2.000	2.062
M34x 1.0									23	1.188	1.250	2.000	2.062
1.438-18UNEF		24			24		25	24		1.250	1.312	2.125	2.188
1.500-18UNEF						22				1.250	1.312	2.125	2.188
M37x 1.0									25	1.250	1.312	2.125	2.188
1.625-18UNEF	28		24	28		24				1.344	1.625	2.375	2.625
1.750-18UNS		28								1.344	1.625	2.375	2.625
1.875-16UN	32		28	32						1.438	1.812	2.625	3.000
2.000-18UNS		32								1.438	1.812	2.625	3.000
2.062-16UNS	36		32	36						1.562	1.938	2.875	3.250
2.250-16UN		36								1.562	1.938	2.875	3.250
2.312-16UNS	40		36	40						1.688	2.062	3.125	3.500
2.500-16UN		40								1.688	2.062	3.125	3.500
2.625-16UN			40	44						1.750	2.188	3.375	3.812
2.750-16UN		44								1.750	2.188	3.375	3.812
2.875-16UN			44	48						1.875	2.312	3.625	4.062
3.000-16UN		48								1.875	2.312	3.625	4.062
3.125-16UN			48							1.875	2.312	3.625	4.062

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

MATING CONNECTOR CODES

TABLE I. MATING CONNECTOR CODES

CODE	CONNECTOR SPECIFICATION
AB	MIL-DTL-5015, Solder Contacts, and F80 Crimp, SCP and SCPB Series
AF	MIL-DTL-5015, Crimp Front or Rear Release Contacts SC30 thru SC39 and SC50 thru SC59 MIL-DTL-26482, Series 2, SCPT70 thru SCPT79
AK	MIL-DTL-22992, Class C & R, SWLD Series, SCP17343 thru SCP17347
AM	SWL Series
BA	MIL-DTL-26482 Series I, Solder or Crimp Front Release, SCPT and SCPC Series
BB	MIL-DTL-26482 Series 1, Class E, F & P SCPT07* and SCPT07S
BF	MIL-DTL-38999 Series I & II, SC1001, SC1466, SC1467, SC1468, SC1469, SC1470, SC1471, SC1496, SC1498, SC1505, SC1656, SC1662, SC2001, SC2472, SC2473, SC2474, SC2475, SC2476, SC2477, SC2478, SC2484, SC2497, SC2499, SC2508, SC2513
BG	MIL-DTL-38999, Series III, SC3920 thru SC3926

SHELL SIZE CODES

TABLE II. SHELL SIZE CODES

SHELL SIZE CODE	MATING CONNECTOR CODES								
	AB	AF	AK	AM	BA	BB	BF		BG
			SWLD	SWL			SERIES		
							I	II	III
08	8S	8 & 8S			8	8	9	8	
09									9
10	10S	10, 10S & 10SL		10	10	10	11	10	
11				12					11
12	10SL, 12 & 12S	12 & 12S	12	14	12	12	13	12	
13									13
14	14 & 14S	14 & 14S	14	16	14	14	15	14	
15									15
16	16 & 16S	16 & 16S	16	18	16	16	17	16	
17									17
18	18	18	18	20	18	18	19	18	
19									19
20	20	20	20	22	20	20	21	20	
21									21
22	22	22	22	24	22	22	23	22	
23									23
24	24	24	24	28	24	24	25	24	
25									25
28	28	28	28	32					
32	32	32	32	36					
36	36	36	36	40					
40	40	40	40	44					
44		44	44						
48		48	48						

TABLE III. CABLE ENTRY CODE/CABLE END FITTING DIMENSIONS

CABLE ENTRY CODE	Z FITTING THREAD	Y REF.	END FITTING A				END FITTING B & C					END FITTING D				END FITTING E	
			X ±.031	W ±.031	CLAMP RANGE		V MAX.	U MAX.	T MAX.	CLAMP RANGE		S ±.020	R ±	CLAMP RANGE		P ±.016	N ±.016
					OPEN	CLOSED				OPEN	CLOSED			OPEN	CLOSED		
03	.500-28UNEF	.250	.812	.812	.250	.156	.812	1.031	1.031	.219	.094	—	—	—	—	.625	.438
04	.625-24UNEF	.312	.875	.812	.312	.188	.938	1.031	1.375	.312	.094	.938	1.281	.312	.125	.750	.438
06	.750-20UNEF	.438	1.062	.875	.438	.281	1.062	1.031	1.375	.438	.250	1.125	1.281	.438	.250	.875	.438
08	.875-20UNEF	.562	1.156	.938	.562	.344	1.188	1.031	1.375	.531	.312	1.312	1.281	.562	.312	1.031	.438
10	1.000-20UNEF	.625	1.250	.938	.625	.375	1.312	1.094	1.438	.625	.375	1.312	1.281	.625	.350	1.156	.438
12	1.188-18UNEF	.750	1.469	.938	.750	.438	1.562	1.219	1.438	.750	.500	1.531	1.312	.750	.500	1.344	.438
16	1.438-18UNEF	.938	1.688	1.031	.938	.562	1.750	1.219	1.562	.938	.594	1.750	1.406	.938	.625	1.564	.438
20	1.750-18UNS	1.250	2.031	1.094	1.250	.750	2.250	1.344	1.812	1.250	.938	2.094	1.594	1.250	.875	1.906	.500
24	2.000-18UNS	1.375	2.281	1.156	1.375	.781	2.375	1.547	2.062	1.375	.969	2.344	1.625	1.375	1.000	2.156	.562
28	2.250-16UN	1.625	2.688	1.688	1.625	.969	2.625	1.547	2.062	1.625	1.188	2.750	1.900	1.625	1.250	2.406	.562
32	2.500-16UN	1.875	2.938	1.750	1.875	1.125	2.812	1.734	2.188	1.875	1.375	3.000	1.900	1.875	1.438	2.656	.625
40	3.000-16UN	2.375	3.500	1.750	2.375	1.469	—	—	—	—	—	—	—	—	—	3.156	.688

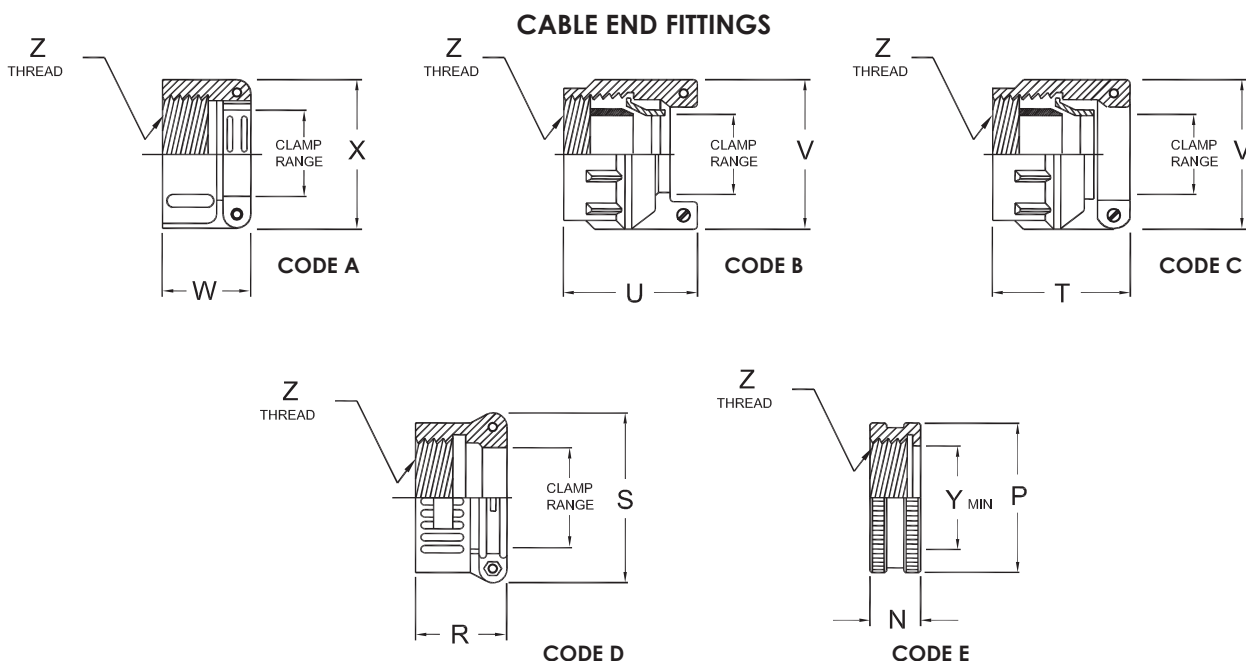


TABLE IV. FINISH CODES CONSULT FACTORY FOR OTHER AVAILABLE FINISHES

FINISH CODE	DESCRIPTION
A	Cadmium, Olive Drab, per QQ-P-416, Type II, Over Electroless Nickel, per MIL-C-26074 (1000 Hour Salt Spray Finish)
B	Cadmium, Black, per QQ-P-416, Type II, Class 3
C	Cadmium, Olive Drab, per QQ-P-416, Type II, Class 3
D	Cadmium - Yellow, per QQ-P-416, Type II Class 3, 48 Hours
E	Cadmium - Yellow Over Nickel, 48 Hours
F	Anodize, Sulphuric, Black, per MIL-A-8625, Type II, Class 2
G	Chromium Plate, per QQ-C-320, CLASS 2 A, Type II
H	Anodize, Hard, Black, per MIL-A-8625, Type III, Class 2
I	Chemical Film, per MIL-C-5541
J	Cadmium, Clear, per QQ-P-416, Type II Class 3
K	Nickel, Electro Deposited, per QQ-N-290, Class 2

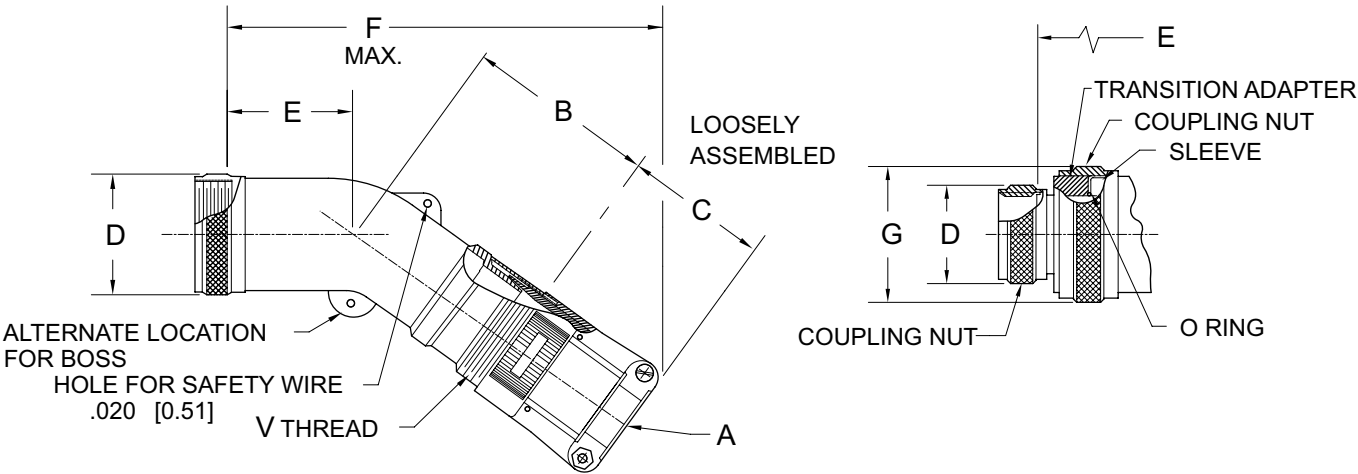
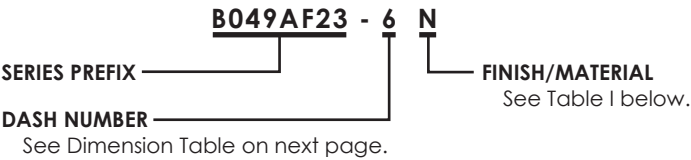
FINISH CODE	DESCRIPTION
L	Zinc Cobalt, Color O.D. .000050
M	Zinc Cobalt, Color Black, .000050
N	Electroless Nickel, per MIL-C-26074, Class 4, Grade B
R	Anodize, Hard, Gray, per MIL-A-8625, Type III, Class 1
S	Anodize, Sulphuric, Gray, per MIL-A-8625, Type II, Class 1
T	Anodize, Hard Color Blue
U	Anodize, Hard Color Red
V	Anodize, Hard Color Yellow
X	Cadmium, Bright, per QQ-P-416, Type II, Over Electroless Nickel, per MIL-C-26074
Z	Anodize, Hard, Green, per MIL-A-8625, Type III, Class 1, Dichromate Seal

45° NON-ENVIRONMENTAL EMI/RFI SHIELD TERMINATION BACKSHELL WITH CABLE CLAMP

B049AF23

For **SC30**, **SC50** & **SC70** Series (MIL-DTL-5015 Crimp & MIL-DTL 26482 Series 2)

ORDERING INFORMATION



Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
B	Black cadmium - In accordance with AMS-QQ-P-416, Type II, Class 3.	Stainless Steel	-65 to +175 °C	Not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.		-65 to +200 °C	
XS	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
ZS	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

45° NON-ENVIRONMENTAL EMI/RFI SHIELD TERMINATION BACKSHELL WITH CABLE CLAMP

B049AF23

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B ±.125 [±3.17]	C REF.	ØD MAX.	E ±.125 [±3.17]	F MAX	ØG MAX.	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.								
3	8	8S	4	.125 [3.17]	.250 [6.35]	1	1.182 [30.02]	1.027 [26.09]	.617 [15.67]	.500 [12.70]	2.52 [64.01]	–	.625-24 UNEF
4	10	10S,10SL	4	.125 [3.17]	.312 [7.92]	1	1.850 [46.99]	1.027 [26.09]	.734 [18.64]	.561 [14.25]	3.05 [77.47]	–	.625-24 UNEF
5	10	10S,10SL	6	.250 [6.35]	.375 [9.52]	1	1.245 [31.62]	1.027 [26.09]	.734 [18.64]	.561 [14.25]	2.69 [68.33]	–	.750-20 UNEF
6	12	12,12S	4	.125 [3.17]	.312 [7.92]	1	1.910 [48.51]	1.027 [26.09]	.858 [21.79]	.625 [15.87]	3.16 [80.26]	–	.625-24 UNEF
7	12	12,12S	6	.250 [6.35]	.437 [11.10]	1	1.910 [48.51]	1.027 [26.09]	.858 [21.79]	.625 [15.87]	3.32 [84.33]	–	.750-20 UNEF
8	12	12,12S	10	.350 [8.89]	.500 [12.70]	1	1.910 [48.51]	1.027 [26.09]	.858 [21.79]	.625 [15.87]	3.29 [83.57]	–	1.000-20 UNEF
9	14	14,14S	6	.250 [6.35]	.437 [11.10]	1	2.000 [50.80]	1.027 [26.09]	.984 [24.99]	.688 [17.48]	3.35 [85.09]	–	.750-20 UNEF
10	14	14,14S	10	.350 [8.89]	.575 [14.60]	1	1.655 [42.04]	1.027 [26.09]	.984 [24.99]	.688 [17.48]	3.17 [80.52]	–	1.000-20 UNEF
11	16	16,16S	6	.250 [6.35]	.437 [11.10]	1	2.110 [53.59]	1.027 [26.09]	1.112 [28.24]	.781 [19.84]	3.52 [89.41]	–	.750-20 UNEF
12	16	16,16S	12	.500 [12.70]	.700 [17.78]	1	1.750 [44.45]	1.059 [26.90]	1.112 [28.24]	.781 [19.84]	3.43 [87.12]	–	1.187-18 UNEF
13	18	18	10	.350 [8.89]	.625 [15.87]	1	2.300 [58.42]	1.027 [26.09]	1.218 [30.94]	.968 [24.59]	3.91 [99.31]	–	1.000-20 UNEF
14	18	18	16	.625 [15.87]	.779 [19.79]	1	1.938 [49.23]	1.156 [29.36]	1.218 [30.94]	.968 [24.59]	3.90 [99.06]	–	1.437-18 UNEF
15	20	20	10	.350 [8.89]	.625 [15.87]	1	2.300 [58.42]	1.027 [26.09]	1.345 [34.16]	.968 [24.59]	3.91 [99.31]	–	1.000-20 UNEF
16	20	20	16	.625 [15.87]	.904 [22.96]	1	1.938 [49.23]	1.156 [29.36]	1.345 [34.16]	.968 [24.59]	3.90 [99.06]	–	1.437-18 UNEF
17	22	22	12	.500 [12.70]	.750 [19.05]	1	2.450 [62.23]	1.059 [26.90]	1.468 [37.29]	1.063 [27.00]	4.21 [106.93]	–	1.187-18 UNEF
18	22	22	20	.875 [22.22]	1.029 [26.14]	1	2.093 [53.16]	1.375 [34.92]	1.468 [37.29]	1.063 [27.00]	4.38 [111.25]	–	1.750-18 UNS
19	24	24	12	.500 [12.70]	.750 [19.05]	1	2.450 [62.23]	1.059 [26.90]	1.593 [40.46]	1.063 [27.00]	4.21 [106.93]	–	1.187-18 UNEF
20	24	24	20	.875 [22.22]	1.144 [29.06]	1	2.093 [53.16]	1.375 [34.92]	1.593 [40.46]	1.063 [27.00]	4.38 [111.25]	–	1.750-18 UNS
21	–	28	16	.625 [15.87]	.937 [23.80]	1	2.500 [63.50]	1.156 [29.36]	1.969 [50.01]	1.188 [30.18]	4.52 [114.81]	–	1.437-18 UNEF
22	–	28	24	1.000 [25.40]	1.375 [34.92]	1	2.156 [54.76]	1.500 [38.10]	1.969 [50.01]	1.188 [30.18]	4.72 [119.89]	–	2.000-18 UNS
23	–	32	16	.625 [15.87]	.937 [23.80]	1	2.600 [66.04]	1.156 [29.36]	2.219 [56.36]	1.250 [31.75]	4.65 [118.11]	–	1.437-18 UNEF
24	–	32	20	.875 [22.22]	1.250 [31.75]	1	2.600 [66.04]	1.375 [34.92]	2.219 [56.36]	1.250 [31.75]	4.92 [124.97]	–	1.750-18 UNS
25	–	32	28	1.250 [31.75]	1.625 [41.27]	1	2.250 [57.15]	1.781 [45.24]	2.219 [56.36]	1.250 [31.75]	5.19 [131.83]	–	2.250-16 UN
26	–	36	16	.625 [15.87]	.937 [23.80]	1	2.690 [68.33]	1.156 [29.36]	2.469 [62.71]	1.281 [32.54]	4.74 [120.40]	–	1.437-18 UNEF
27	–	36	24	1.000 [25.40]	1.375 [34.92]	1	2.690 [68.33]	1.500 [38.10]	2.469 [62.71]	1.281 [32.54]	5.19 [131.83]	–	2.000-18 UNS
28	–	36	32	1.437 [36.50]	1.840 [46.74]	1	2.344 [59.54]	1.830 [46.48]	2.469 [62.71]	1.281 [32.54]	5.41 [137.41]	–	2.500-16 UN
29	–	40	16	.625 [15.87]	.937 [23.80]	1	2.690 [68.33]	1.156 [29.36]	2.719 [69.06]	2.031 [51.59]	5.49 [139.45]	–	1.437-18 UNEF
30	–	40	24	1.000 [25.40]	1.375 [34.92]	1	2.690 [68.33]	1.500 [38.10]	2.719 [69.06]	2.031 [51.59]	5.94 [150.88]	–	2.000-18 UNS

Dimensions in brackets [] are in millimeters.

Continued on Next Page

45° NON-ENVIRONMENTAL EMI/RFI SHIELD TERMINATION BACKSHELL WITH CABLE CLAMP

B049AF23

Continued from Previous Page

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B ±.125 [±3.17]	C REF.	ØD MAX.	E ±.125 [±3.17]	F MAX	ØG MAX.	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.								
31	–	40	32	1.437 [36.50]	1.875 [47.62]	1	2.344 [59.54]	1.830 [46.48]	2.719 [69.06]	2.031 [51.59]	6.16 [156.46]	–	2.500-16 UN
32	–	44	16	.625 [15.87]	.937 [23.80]	1	2.690 [68.33]	1.156 [29.36]	2.969 [75.41]	2.031 [51.59]	5.49 [139.45]	–	1.437-18 UNEF
33	–	44	24	1.000 [25.40]	1.375 [34.92]	1	2.690 [68.33]	1.500 [38.10]	2.969 [75.41]	2.031 [51.59]	5.94 [150.88]	–	2.000-18 UNS
34	–	44	32	1.437 [36.50]	1.875 [47.62]	1	2.344 [59.54]	1.830 [46.48]	2.969 [75.41]	2.031 [51.59]	6.16 [156.46]	–	2.500-16 UN
35	–	48	16	.625 [15.87]	.937 [23.80]	1	2.690 [68.33]	1.156 [29.36]	3.219 [81.76]	2.031 [51.59]	5.49 [139.45]	–	1.437-18 UNEF
36	–	48	24	1.000 [25.40]	1.375 [34.92]	1	2.690 [68.33]	1.500 [38.10]	3.219 [81.76]	2.031 [51.59]	5.94 [150.88]	–	2.000-18 UNS
37	–	48	32	1.437 [36.50]	1.875 [47.62]	1	2.344 [59.54]	1.830 [46.48]	3.219 [81.76]	2.031 [51.59]	6.16 [156.46]	–	2.500-16 UN
40	16	16, 16S	10	.350 [8.89]	.625 [15.87]	1	2.110 [53.59]	1.027 [26.09]	1.112 [28.24]	.781 [19.84]	3.59 [91.19]	–	1.000-20 UNEF
41	18	18	4	.125 [3.17]	.312 [7.92]	1	2.300 [58.42]	1.027 [26.09]	1.218 [30.94]	.968 [24.59]	3.80 [96.52]	–	.625-24 UNEF
42	18	18	6	.250 [6.35]	.437 [11.10]	1	2.300 [58.42]	1.027 [26.09]	1.218 [30.94]	.968 [24.59]	3.84 [97.54]	–	.750-20 UNEF
43	20	20	6	.250 [6.35]	.437 [11.10]	1	2.300 [58.42]	1.027 [26.09]	1.345 [34.16]	.968 [24.59]	3.84 [97.54]	–	.750-20 UNEF
44	22	22	4	.125 [3.17]	.312 [7.92]	1	2.450 [62.23]	1.027 [26.09]	1.468 [37.29]	1.063 [27.00]	3.98 [101.09]	–	.625-24 UNEF
45	22	22	6	.250 [6.35]	.437 [11.10]	1	2.450 [62.23]	1.027 [26.09]	1.468 [37.29]	1.063 [27.00]	4.04 [102.62]	–	.750-20 UNEF
46	24	24	10	.350 [8.89]	.625 [15.87]	1	2.450 [62.23]	1.027 [26.09]	1.593 [40.46]	1.063 [27.00]	4.11 [104.39]	–	1.000-20 UNEF
47	–	36	12	.500 [12.70]	.750 [19.05]	1	2.690 [68.33]	1.059 [26.90]	2.469 [62.71]	1.281 [32.54]	4.60 [116.84]	–	1.187-18 UNEF
48	–	40	12	.500 [12.70]	.750 [19.05]	1	2.690 [68.33]	1.059 [26.90]	2.719 [69.06]	2.031 [51.59]	5.35 [135.89]	–	1.187-18 UNEF
49	10	10S, 10SL	6	.250 [6.35]	.437 [11.10]	2	1.910 [48.51]	1.027 [26.09]	.734 [18.64]	1.375 [34.92]	3.97 [100.84]	.858 [21.79]	.750-20 UNEF
50	14	14, 14S	12	.500 [12.70]	.750 [19.05]	2	2.300 [58.42]	1.059 [26.90]	.984 [24.99]	1.717 [43.61]	4.76 [120.90]	1.218 [30.94]	1.187-18 UNEF
51	16	16, 16S	16	.625 [15.87]	.937 [23.80]	2	2.450 [62.23]	1.156 [29.36]	1.112 [28.24]	1.812 [46.02]	5.11 [129.79]	1.468 [37.29]	1.437-18 UNEF
52	18	18	12	.500 [12.70]	.750 [19.05]	1	2.300 [58.42]	1.059 [26.90]	1.218 [30.94]	.968 [24.59]	4.01 [101.85]	–	1.187-18 UNEF
54	20	20	12	.500 [12.70]	.750 [19.05]	1	2.300 [58.42]	1.059 [26.90]	1.345 [34.16]	.968 [24.59]	4.01 [101.85]	–	1.187-18 UN
55	20	20	20	.875 [22.22]	1.250 [31.75]	2	2.500 [63.50]	1.375 [34.92]	1.345 [34.16]	1.936 [49.17]	5.54 [140.72]	1.969 [50.01]	1.750-18 UNS
56	22	22	10	.350 [8.89]	.625 [15.87]	1	2.450 [62.23]	1.027 [26.09]	1.468 [37.29]	1.063 [27.00]	4.11 [104.39]	–	1.000-20 UNEF
57	22	22	16	.625 [15.87]	.937 [23.80]	1	2.450 [62.23]	1.156 [29.36]	1.468 [37.29]	1.063 [27.00]	4.36 [110.74]	–	1.437-18 UNEF
58	22	22	20	.875 [22.22]	1.250 [31.75]	2	2.500 [63.50]	1.375 [34.92]	1.468 [37.29]	1.936 [49.17]	5.54 [140.72]	1.969 [50.01]	1.750-18 UNS
59	24	24	16	.625 [15.87]	.937 [23.80]	1	2.450 [62.23]	1.156 [29.36]	2.093 [53.16]	1.063 [27.00]	4.36 [110.74]	–	1.437-18 UNEF
60	–	28	12	.500 [12.70]	.750 [19.05]	1	2.500 [63.50]	1.059 [26.90]	1.969 [50.01]	1.188 [30.18]	4.37 [111.00]	–	1.187-18 UNEF
61	–	28	20	.875 [22.22]	1.250 [31.75]	1	2.500 [63.50]	1.375 [34.92]	1.969 [50.01]	1.188 [30.18]	4.79 [121.67]	–	1.750-18 UNS

Dimensions in brackets [] are in millimeters.

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45° NON-ENVIRONMENTAL EMI/RFI SHIELD TERMINATION BACKSHELL WITH CABLE CLAMP

B049AF23

Continued from Previous Page

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B $\pm .125$ [± 3.17]	C REF.	ØD MAX.	E $\pm .125$ [± 3.17]	F MAX	ØG MAX.	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.								
62	–	32	24	1.000 [25.40]	1.375 [34.92]	1	2.600 [66.04]	1.500 [38.10]	2.219 [56.36]	1.250 [31.75]	5.10 [129.54]		2.000-18 UNS
63	–	36	20	.875 [22.22]	1.250 [31.75]	1	2.690 [68.33]	1.375 [34.92]	2.469 [62.71]	1.281 [32.54]	5.02 [127.51]	–	1.750-18 UNS
64	–	36	28	1.250 [31.75]	1.625 [41.27]	1	2.690 [68.33]	1.781 [45.24]	2.469 [62.71]	1.281 [32.54]	5.54 [140.72]	–	2.250-16 UN
65	–	40	20	.875 [22.22]	1.250 [31.75]	1	2.690 [68.33]	1.375 [34.92]	2.719 [69.06]	2.031 [51.59]	5.77 [146.56]	–	1.750-18 UNEF
66	–	40	28	1.250 [31.75]	1.625 [41.27]	1	2.690 [68.33]	1.781 [45.24]	2.719 [69.06]	2.031 [51.59]	6.29 [159.77]		2.250-16 UN
67	–	44	20	.875 [22.22]	1.250 [31.75]	1	2.690 [68.33]	1.375 [34.92]	2.969 [75.41]	2.031 [51.59]	5.77 [146.56]	–	1.750-18 UNS
68	–	44	28	1.250 [31.75]	1.625 [41.27]	1	2.690 [68.33]	1.781 [45.24]	2.969 [75.41]	2.031 [51.59]	6.29 [159.77]	–	2.250-16 UN
69	–	48	20	.875 [22.22]	1.250 [31.75]	1	2.690 [68.33]	1.375 [34.92]	3.219 [81.76]	2.031 [51.59]	5.77 [146.56]		1.750-18 UNS
70	–	48	28	1.250 [31.75]	1.625 [41.27]	1	2.690 [68.33]	1.781 [45.24]	3.219 [81.76]	2.031 [51.59]	6.29 [159.77]	–	2.250-16 UN
71	12	12, 12S	10	.350 [8.89]	.625 [15.87]	2	2.110 [53.59]	1.027 [26.09]	.858 [21.79]	1.529 [38.84]	4.33 [109.98]	1.112 [28.24]	1.000-20 UNEF
72	18	18	16	.625 [15.87]	.937 [23.80]	2	2.450 [62.23]	1.156 [29.36]	1.218 [30.94]	1.812 [46.02]	5.10 [129.54]	1.468 [37.29]	1.437-18 UNEF
73	24	24	20	.875 [22.22]	1.250 [31.75]	2	2.500 [63.50]	1.375 [34.92]	1.468 [37.29]	1.936 [49.17]	5.53 [140.46]	1.969 [50.01]	1.750-18 UNS
74	14	14, 14S	4	.125 [3.17]	.312 [7.92]	1	2.000 [50.80]	1.027 [26.09]	.984 [24.99]	.688 [17.48]	3.28 [83.31]	–	.625-24 UNEF
75	16	16, 16S	4	.125 [3.17]	.312 [7.92]	1	2.110 [53.59]	1.027 [26.09]	1.112 [28.24]	.781 [19.84]	3.45 [87.63]	–	.625-24 UNEF

Dimensions in brackets [] are in millimeters.

6D

90° NON-ENVIRONMENTAL EMI/RFI SHIELD TERMINATION BACKSHELL WITH CABLE CLAMP

B049AF24

For **SC30**, **SC50** & **SC70** Series (MIL-DTL-5015 Crimp & MIL-DTL 26482 Series 2)

ORDERING INFORMATION

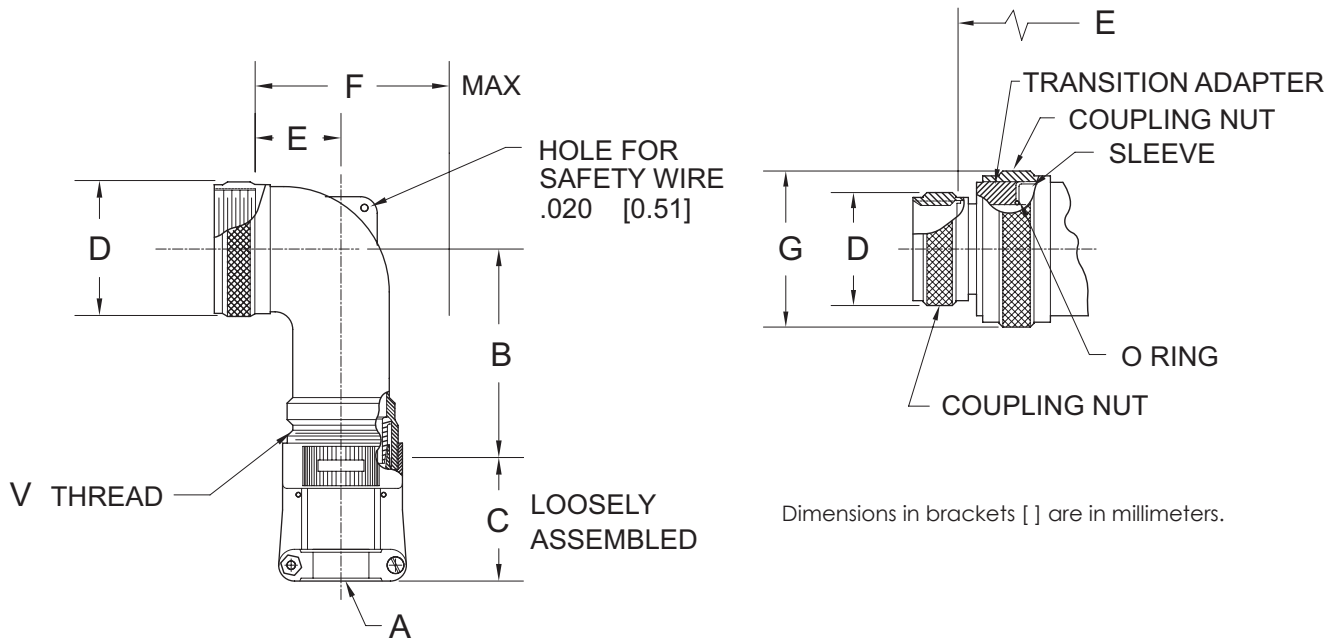
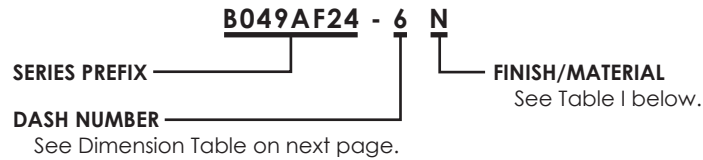


TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
B	Black cadmium - In accordance with AMS-QQ-P-416, Type II, Class 3.	Stainless Steel	-65 to +175 °C	Not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.		-65 to +200 °C	
XS	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
ZS	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

90° NON-ENVIRONMENTAL EMI/RFI SHIELD TERMINATION BACKSHELL WITH CABLE CLAMP

B049AF24

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B ±.125 [±3.17]	C REF.	ØD MAX.	E ±.125 [±3.17]	F MAX.	ØG MAX.	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.								
3	8	8S	4	.125 [3.17]	.250 [6.35]	1	1.200 [30.48]	1.027 [26.09]	.617 [15.67]	.541 [13.74]	1.09 [27.69]	—	.625-24 UNEF
4	10	10S, 10SL	4	.125 [3.17]	.312 [7.92]	1	1.920 [48.77]	1.027 [26.09]	.734 [18.64]	.636 [16.15]	1.18 [29.97]	—	.625-24 UNEF
5	10	10S, 10SL	6	.250 [6.35]	.375 [9.52]	1	1.320 [33.53]	1.027 [26.09]	.734 [18.64]	.636 [16.15]	1.27 [32.26]	—	.750-20 UNEF
6	12	12, 12S	4	.125 [3.17]	.312 [7.92]	1	1.940 [49.28]	1.027 [26.09]	.858 [21.79]	.641 [16.28]	1.18 [29.97]	—	.625-24 UNEF
7	12	12, 12S	6	.250 [6.35]	.437 [11.10]	1	1.940 [49.28]	1.027 [26.09]	.858 [21.79]	.641 [16.28]	1.28 [32.51]	—	.750-20 UNEF
8	12	12, 12S	10	.350 [8.89]	.500 [12.70]	1	1.335 [33.91]	1.027 [26.09]	.858 [21.79]	.641 [16.28]	1.37 [34.80]	—	1.000-20 UNEF
9	14	14, 14S	6	.250 [6.35]	.437 [11.10]	1	2.010 [51.05]	1.027 [26.09]	.984 [24.99]	.741 [18.82]	1.38 [35.05]	—	.750-20 UNEF
10	14	14, 14S	10	.350 [8.89]	.575 [14.60]	1	1.655 [42.04]	1.027 [26.09]	.984 [24.99]	.741 [18.82]	1.47 [37.34]	—	1.000-20 UNEF
11	16	16, 16S	6	.250 [6.35]	.437 [11.10]	1	2.100 [53.34]	1.027 [26.09]	1.112 [28.24]	.926 [23.52]	1.59 [40.39]	—	.750-20 UNEF
12	16	16, 16S	12	.500 [12.70]	.700 [17.78]	1	1.745 [44.32]	1.059 [26.90]	1.112 [28.24]	.926 [23.52]	1.77 [44.96]	—	1.187-18 UNEF
13	18	18	10	.350 [8.89]	.625 [15.87]	1	2.270 [57.66]	1.027 [26.09]	1.218 [30.94]	1.016 [25.81]	1.80 [45.72]	—	1.000-20 UNEF
14	18	18	16	.625 [15.87]	.779 [19.79]	1	1.920 [48.77]	1.156 [29.36]	1.218 [30.94]	1.016 [25.81]	1.97 [50.04]	—	1.437-18 UNEF
15	20	20	10	.350 [8.89]	.625 [15.87]	1	2.270 [57.66]	1.027 [26.09]	1.345 [34.16]	1.016 [25.81]	1.80 [45.72]	—	1.000-20 UNEF
16	20	20	16	.625 [15.87]	.904 [22.96]	1	1.920 [48.77]	1.156 [29.36]	1.345 [34.16]	1.016 [25.81]	1.97 [50.04]	—	1.437-18 UNEF
17	22	22	12	.500 [12.70]	.750 [19.05]	1	2.380 [60.45]	1.059 [26.90]	1.468 [37.29]	1.166 [29.62]	2.11 [53.59]	—	1.187-18 UNEF
18	22	22	20	.875 [22.22]	1.029 [26.14]	1	2.025 [51.43]	1.375 [34.92]	1.468 [37.29]	1.166 [29.62]	2.29 [58.17]	—	1.750-18 UNS
19	24	24	12	.500 [12.70]	.750 [19.05]	1	2.380 [60.45]	1.059 [26.90]	1.593 [40.46]	1.166 [29.62]	2.11 [53.59]	—	1.187-18 UNEF
20	24	24	20	.875 [22.22]	1.144 [29.06]	1	2.025 [51.43]	1.375 [34.92]	1.593 [40.46]	1.166 [29.62]	2.29 [58.17]	—	1.750-18 UNS
21	—	28	16	.625 [15.87]	.937 [23.80]	1	2.550 [64.77]	1.156 [29.36]	1.969 [50.01]	1.266 [32.16]	2.33 [59.18]	—	1.437-18 UNEF
22	—	28	24	1.000 [25.40]	1.375 [34.92]	1	2.195 [55.75]	1.500 [38.10]	1.969 [50.01]	1.266 [32.16]	2.51 [63.75]	—	2.000-18 UNS
23	—	32	16	.625 [15.87]	.937 [23.80]	1	2.800 [71.12]	1.156 [29.36]	2.219 [56.36]	1.616 [41.05]	2.81 [71.37]	—	1.437-18 UNEF
24	—	32	20	.875 [22.22]	1.250 [31.75]	1	2.800 [71.12]	1.375 [34.92]	2.219 [56.36]	1.616 [41.05]	2.81 [71.37]	—	1.750-18 UNS
25	—	32	28	1.250 [31.75]	1.625 [41.27]	1	2.445 [62.10]	1.781 [45.24]	2.219 [56.36]	1.616 [41.05]	3.07 [77.98]	—	2.250-16 UN
26	—	36	16	.625 [15.87]	.937 [23.80]	1	2.770 [70.36]	1.156 [29.36]	2.469 [62.71]	1.816 [46.13]	3.13 [79.50]	—	1.437-18 UNEF
27	—	36	24	1.000 [25.40]	1.375 [34.92]	1	2.770 [70.36]	1.500 [38.10]	2.469 [62.71]	1.816 [46.13]	3.13 [79.50]	—	2.000-18 UNS
28	—	36	32	1.437 [36.50]	1.840 [46.74]	1	2.415 [61.34]	1.830 [46.48]	2.469 [62.71]	1.816 [46.13]	3.39 [86.11]	—	2.500-16 UN
29	—	40	16	.625 [15.87]	.937 [23.80]	1	2.770 [70.36]	1.156 [29.36]	2.719 [69.06]	2.566 [65.18]	3.88 [98.55]	—	1.437-18 UNEF
30	—	40	24	1.000 [25.40]	1.375 [34.92]	1	2.770 [70.36]	1.500 [38.10]	2.719 [69.06]	2.566 [65.18]	3.88 [98.55]	—	2.000-18 UNS
31	—	40	32	1.437 [36.50]	1.875 [47.62]	1	2.415 [61.34]	1.830 [46.48]	2.719 [69.06]	2.566 [65.18]	4.14 [105.16]	—	2.500-16 UN

Dimensions in brackets [] are in millimeters.

Continued on Next Page

90° NON-ENVIRONMENTAL EMI/RFI SHIELD TERMINATION BACKSHELL WITH CABLE CLAMP

B049AF24

Continued from Previous Page

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B ±.125 [±3.17]	C REF.	ØD MAX.	E ±.125 [±3.17]	F MAX.	ØG MAX.	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.								
32	–	44	16	.625 [15.87]	.937 [23.80]	1	2.770 [70.36]	1.156 [29.36]	2.969 [75.41]	2.566 [65.18]	3.88 [98.55]	–	1.437-18 UNEF
33	–	44	24	1.000 [25.40]	1.375 [34.92]	1	2.770 [70.36]	1.500 [38.10]	2.969 [75.41]	2.566 [65.18]	3.88 [98.55]	–	2.000-18 UNS
34	–	44	32	1.437 [36.50]	1.875 [47.62]	1	2.415 [61.34]	1.830 [46.48]	2.969 [75.41]	2.566 [65.18]	4.14 [105.16]	–	2.500-16 UN
35	–	48	16	.625 [15.87]	.937 [23.80]	1	2.770 [70.36]	1.156 [29.36]	3.219 [81.76]	2.566 [65.18]	3.88 [98.55]	–	1.437-18 UNEF
36	–	48	24	1.000 [25.40]	1.375 [34.92]	1	2.770 [70.36]	1.500 [38.10]	3.219 [81.76]	2.566 [65.18]	3.88 [98.55]	–	2.000-18 UNS
37	–	48	32	1.437 [36.50]	1.875 [47.62]	1	2.415 [61.34]	1.830 [46.48]	3.219 [81.76]	2.566 [65.18]	4.14 [105.16]	–	2.500-16 UN
40	16	16.16S	10	.350 [8.89]	.625 [15.87]	1	2.100 [53.34]	1.027 [26.09]	1.112 [28.24]	.926 [23.52]	1.66 [42.16]	–	1.000-20 UNEF
41	18	18	4	.125 [3.17]	.312 [7.92]	1	2.270 [57.66]	1.027 [26.09]	1.218 [30.94]	1.016 [25.81]	1.80 [45.72]	–	.625-24 UNEF
42	18	18	6	.250 [6.35]	.437 [11.10]	1	2.270 [57.66]	1.059 [26.90]	1.218 [30.94]	1.016 [25.81]	1.80 [45.72]	–	.750-20 UNEF
43	20	20	6	.250 [6.35]	.437 [11.10]	1	2.270 [57.66]	1.059 [26.90]	1.345 [34.16]	1.016 [25.81]	1.80 [45.72]	–	.750-20 UNEF
44	22	22	4	.125 [3.17]	.312 [7.92]	1	2.380 [60.45]	1.027 [26.09]	1.468 [37.29]	1.166 [29.62]	2.11 [53.59]	–	.625-24 UNEF
45	22	22	6	.250 [6.35]	.437 [11.10]	1	2.380 [60.45]	1.059 [26.90]	1.468 [37.29]	1.166 [29.62]	2.11 [53.59]	–	.750-20 UNEF
46	24	24	10	.350 [8.89]	.625 [15.87]	1	2.380 [60.45]	1.027 [26.09]	1.593 [40.46]	1.166 [29.62]	2.11 [53.59]	–	1.000-20 UNEF
47	–	36	12	.500 [12.70]	.750 [19.05]	1	2.770 [70.36]	1.027 [26.09]	2.469 [62.71]	1.816 [46.13]	3.13 [79.50]	–	1.187-18 UNEF
48	–	40	12	.500 [12.70]	.750 [19.05]	1	2.770 [70.36]	1.027 [26.09]	2.719 [69.06]	1.816 [46.13]	3.88 [98.55]	–	1.187-18 UNEF
49	10	10S, 10SL	6	.250 [6.35]	.437 [11.10]	2	1.940 [49.28]	1.027 [26.09]	.734 [18.64]	1.391 [35.33]	2.03 [51.56]	.858 [21.79]	.750-20 UNEF
50	14	14.14S	12	.500 [12.70]	.750 [19.05]	2	2.270 [57.66]	1.027 [26.09]	.984 [24.99]	1.766 [44.86]	2.61 [66.29]	1.218 [30.94]	1.187-18 UNEF
51	16	16.16S	16	.625 [15.87]	.937 [23.80]	2	2.380 [60.45]	1.156 [29.36]	1.112 [28.24]	1.916 [48.67]	2.87 [72.90]	1.468 [37.29]	1.437-18 UNEF
52	18	18	12	.500 [12.70]	.750 [19.05]	1	2.270 [57.66]	1.059 [26.90]	1.218 [30.94]	1.016 [25.81]	1.86 [47.24]	–	1.188-18 UNEF
54	20	20	12	.500 [12.70]	.750 [19.05]	1	2.270 [57.66]	1.059 [26.90]	1.345 [34.16]	1.016 [25.81]	1.86 [47.24]	–	1.188-18 UNEF
55	20	20	20	.875 [22.22]	1.250 [31.75]	2	2.550 [64.77]	1.375 [34.92]	1.345 [34.16]	2.016 [51.21]	3.14 [79.76]	1.969 [50.01]	1.750-16 UNS
56	22	22	10	.350 [8.89]	.625 [15.87]	1	2.380 [60.45]	1.027 [26.09]	1.468 [37.29]	1.166 [29.62]	2.11 [53.59]	–	1.000-20 UNEF
57	22	22	16	.625 [15.87]	.937 [23.80]	1	2.380 [60.45]	1.156 [29.36]	1.468 [37.29]	1.166 [29.62]	2.12 [53.85]	–	1.437-18 UNEF
58	22	22	20	.875 [22.22]	1.250 [31.75]	2	2.550 [64.77]	1.375 [34.92]	1.468 [37.29]	2.016 [51.21]	3.14 [79.76]	1.969 [50.01]	1.750-18 UNS
59	24	24	16	.625 [15.87]	.937 [23.80]	1	2.380 [60.45]	1.156 [29.36]	2.093 [53.16]	1.166 [29.62]	2.14 [54.36]	–	1.437-18 UNEF
60	–	28	12	.500 [12.70]	.750 [19.05]	1	2.550 [64.77]	1.059 [26.90]	1.969 [50.01]	1.266 [32.16]	2.33 [59.18]	–	1.188-18 UNEF
61	–	28	20	.875 [22.22]	1.250 [31.75]	1	2.550 [64.77]	1.375 [34.92]	1.969 [50.01]	1.266 [32.16]	2.39 [60.71]	–	1.750-18 UNS
62	–	32	24	1.000 [25.40]	1.375 [34.92]	1	2.800 [71.12]	1.500 [38.10]	2.219 [56.36]	1.616 [41.05]	2.86 [72.64]	–	2.000-18 UNS

Dimensions in brackets [] are in millimeters.

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90° NON-ENVIRONMENTAL EMI/RFI SHIELD TERMINATION BACKSHELL WITH CABLE CLAMP

B049AF24

Continued from Previous Page

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B $\pm .125$ [± 3.17]	C REF.	ØD MAX.	E $\pm .125$ [± 3.17]	F MAX	ØG MAX.	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.								
63	–	36	20	.875 [22.22]	1.250 [31.75]	1	2.770 [70.36]	1.375 [34.92]	2.469 [62.71]	1.816 [46.13]	3.13 [79.50]	–	1.750-18 UNS
64	–	36	28	1.250 [31.75]	1.625 [41.27]	1	2.770 [70.36]	1.781 [45.24]	2.469 [62.71]	1.816 [46.13]	3.27 [83.06]	–	2.250-16 UN
65	–	40	20	.875 [22.22]	1.250 [31.75]	1	2.770 [70.36]	1.375 [34.92]	2.719 [69.06]	2.566 [65.18]	3.88 [98.55]	–	1.750-18 UNS
66	–	40	28	1.250 [31.75]	1.625 [41.27]	1	2.770 [70.36]	1.781 [45.24]	2.719 [69.06]	2.566 [65.18]	4.02 [102.11]	–	2.250-16 UN
67	–	44	20	.875 [22.22]	1.250 [31.75]	1	2.770 [70.36]	1.375 [34.92]	2.969 [75.41]	2.566 [65.18]	3.88 [98.55]	–	1.750-18 UNS
68	–	44	28	1.250 [31.75]	1.625 [41.27]	1	2.770 [70.36]	1.781 [45.24]	2.969 [75.41]	2.566 [65.18]	4.02 [102.11]	–	2.250-16 UN
69	–	48	20	.875 [22.22]	1.250 [31.75]	1	2.770 [70.36]	1.375 [34.92]	3.219 [81.76]	2.566 [65.18]	3.88 [98.55]	–	1.750-18 UNS
70	–	48	28	1.250 [31.75]	1.625 [41.27]	1	2.770 [70.36]	1.781 [45.24]	3.219 [81.76]	2.566 [65.18]	4.02 [102.11]	–	2.250-16 UN
71	12	12,12S	10	.350 [8.89]	.625 [15.87]	2	2.100 [53.34]	1.027 [26.09]	.858 [21.79]	1.686 [42.82]	2.42 [61.47]	1.112 [28.24]	1.000-20 UNEF
72	18	18	16	.625 [15.87]	.937 [23.80]	2	2.380 [60.45]	1.156 [29.36]	1.218 [30.94]	1.926 [48.92]	2.88 [73.15]	1.468 [37.29]	1.437-18 UNEF
73	24	24	20	.875 [22.22]	1.250 [31.75]	2	2.550 [64.77]	1.375 [34.92]	1.468 [37.29]	2.026 [51.46]	3.15 [80.01]	1.969 [50.01]	1.750-18 UNS
74	14	14,14S	4	.125 [3.17]	.312 [7.92]	1	2.010 [51.05]	1.027 [26.09]	.984 [24.99]	.741 [18.82]	1.31 [33.27]	–	.625-24 UNEF
75	16	16,16S	4	.125 [3.17]	.312 [7.92]	1	2.100 [53.34]	1.027 [26.09]	1.112 [28.24]	.926 [23.52]	1.59 [40.39]	–	.625-24 UNEF

Dimensions in brackets [] are in millimeters.

6D

STRAIGHT NON-ENVIRONMENTAL EMI/RFI SHIELD TERMINATION BACKSHELL WITH CABLE CLAMP

B049AF25

For **SC30**, **SC50** & **SC70** Series (MIL-DTL-5015 Crimp & MIL-DTL 26482 Series 2)

ORDERING INFORMATION

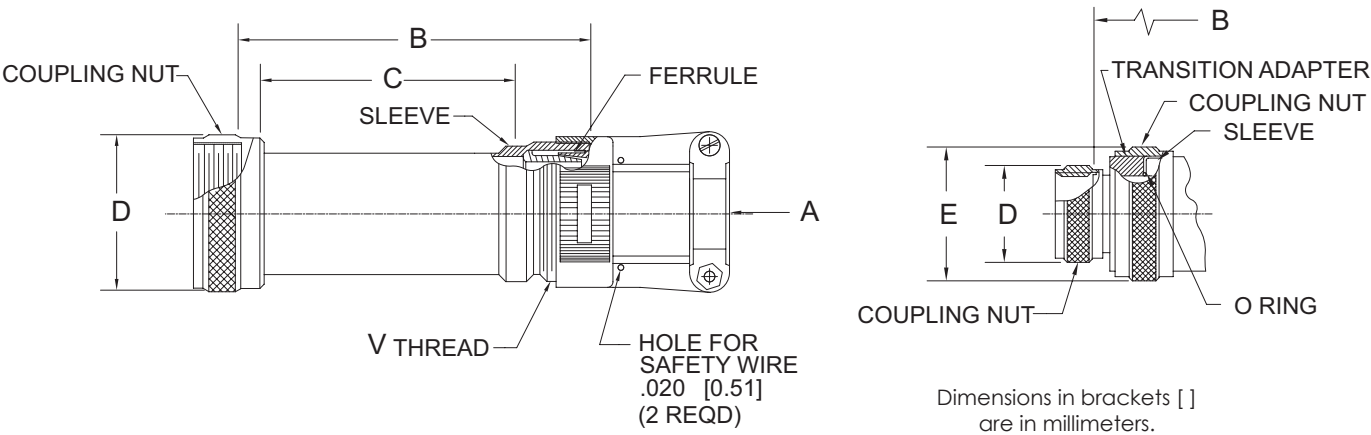
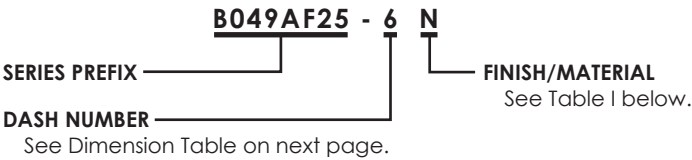


TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
B	Black cadmium - In accordance with AMS-QQ-P-416, Type II, Class 3.	Stainless Steel	-65 to +175 °C	Not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.		-65 to +200 °C	
XS	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
ZS	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

STRAIGHT NON-ENVIRONMENTAL EMI/RFI SHIELD TERMINATION BACKSHELL WITH CABLE CLAMP

B049AF25

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B ±.125 [±3.17]	C REF.	ØD MAX.	ØE MAX.	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.						
5	8	8S	4	.125 [3.17]	.250 [6.35]	1	2.00 [50.80]	1.06 [26.92]	.617 [15.67]	—	.625-24 UNEF
6	8	8S	4	.125 [3.17]	.250 [6.35]	1	3.00 [76.20]	2.06 [52.32]	.617 [15.67]	—	.625-24 UNEF
7	8	8S	6	.250 [6.35]	.437 [11.10]	2	2.75 [69.85]	1.81 [45.97]	.617 [15.67]	.858 [21.79]	.750-20 UNEF
8	8	8S	6	.250 [6.35]	.437 [11.10]	2	3.75 [95.25]	2.81 [71.37]	.617 [15.67]	.858 [21.79]	.750-20 UNEF
9	10	10S, 10SL	4	.125 [3.17]	.312 [7.92]	1	2.00 [50.80]	1.06 [26.92]	.734 [18.64]	—	.625-24 UNEF
10	10	10S, 10SL	4	.125 [3.17]	.312 [7.92]	1	3.00 [76.20]	2.06 [52.32]	.734 [18.64]	—	.625-24 UNEF
11	10	10S, 10SL	6	.250 [6.35]	.437 [11.10]	2	2.75 [69.85]	1.81 [45.97]	.734 [18.64]	.858 [21.79]	.750-20 UNEF
12	10	10, 10SL	6	.250 [6.35]	.437 [11.10]	2	3.75 [95.25]	2.81 [71.37]	.734 [18.64]	.858 [21.79]	.750-20 UNEF
13	12	12, 12S	6	.250 [6.35]	.437 [11.10]	1	2.00 [50.80]	1.06 [26.92]	.858 [21.79]	—	.750-20 UNEF
14	12	12, 12S	6	.250 [6.35]	.437 [11.10]	1	3.00 [76.20]	2.06 [52.32]	.858 [21.79]	—	.750-20 UNEF
15	12	12, 12S	10	.350 [8.89]	.625 [15.87]	2	2.75 [69.85]	1.67 [42.42]	.858 [21.79]	1.112 [28.24]	1.000-20 UNEF
16	12	12, 12S	10	.350 [8.89]	.625 [15.87]	2	3.75 [95.25]	2.67 [67.82]	.858 [21.79]	1.112 [28.24]	1.000-20 UNEF
17	14	14, 14S	10	.350 [8.89]	.575 [14.60]	1	2.00 [50.80]	.92 [23.37]	.984 [24.99]	—	1.000-20 UNEF
18	14	14, 14S	10	.350 [8.89]	.575 [14.60]	1	3.00 [76.20]	1.92 [48.77]	.984 [24.99]	—	1.000-20 UNEF
19	14	14, 14S	12	.500 [12.70]	.750 [19.05]	2	2.75 [69.85]	1.67 [42.42]	.984 [24.99]	1.112 [28.24]	1.187-18 UNEF
20	14	14, 14S	12	.500 [12.70]	.750 [19.05]	2	3.75 [95.25]	2.67 [67.82]	.984 [24.99]	1.112 [28.24]	1.187-18 UNEF
21	16	16, 16S	12	.500 [12.70]	.700 [17.78]	1	2.00 [50.80]	.92 [23.37]	1.112 [28.24]	—	1.187-18 UNEF
22	16	16, 16S	12	.500 [12.70]	.700 [17.78]	1	3.00 [76.20]	1.92 [48.77]	1.112 [28.24]	—	1.187-18 UNEF
23	16	16, 16S	16	.625 [15.87]	.937 [23.80]	2	2.75 [69.85]	1.67 [42.42]	1.112 [28.24]	1.468 [37.29]	1.437-18 UNEF
24	16	16, 16S	16	.625 [15.87]	.937 [23.80]	2	3.75 [95.25]	2.67 [67.82]	1.112 [28.24]	1.468 [37.29]	1.437-18 UNEF
25	18	18	10	.350 [8.89]	.625 [15.87]	1	2.00 [50.80]	.92 [23.37]	1.218 [30.94]	—	1.000-20 UNEF
26	18	18	10	.350 [8.89]	.625 [15.87]	1	3.00 [76.20]	1.92 [48.77]	1.218 [30.94]	—	1.000-20 UNEF
27	18	18	12	.500 [12.70]	.750 [19.05]	1	2.00 [50.80]	.92 [23.37]	1.218 [30.94]	—	1.187-18 UNEF
28	18	18	12	.500 [12.70]	.750 [19.05]	1	3.00 [76.20]	1.92 [48.77]	1.218 [30.94]	—	1.187-18 UNEF
29	18	18	16	.625 [15.87]	.937 [23.80]	2	2.75 [69.85]	1.67 [42.42]	1.218 [30.94]	1.468 [37.29]	1.437-18 UNEF
30	18	18	16	.625 [15.87]	.937 [23.80]	2	3.75 [95.25]	2.67 [67.82]	1.218 [30.94]	1.468 [37.29]	1.437-18 UNEF
31	20	20	10	.350 [8.89]	.625 [15.87]	1	3.00 [76.20]	1.92 [48.77]	1.345 [34.16]	—	1.000-20 UNEF
32	20	20	10	.350 [8.89]	.625 [15.87]	1	4.00 [101.60]	2.92 [74.17]	1.345 [34.16]	—	1.000-20 UNEF

Dimensions in brackets [] are in millimeters.

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STRAIGHT NON-ENVIRONMENTAL EMI/RFI SHIELD TERMINATION BACKSHELL WITH CABLE CLAMP

B049AF25

Continued from Previous Page

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B $\pm .125$ [± 3.17]	C REF.	ØD MAX.	ØE MAX.	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.						
33	20	20	12	.500 [12.70]	.750 [19.05]	1	3.00 [76.20]	1.92 [48.77]	1.345 [34.16]	—	1.187-18 UNEF
34	20	20	12	.500 [12.70]	.750 [19.05]	1	4.00 [101.60]	2.92 [74.17]	1.345 [34.16]	—	1.187-18 UNEF
35	20	20	16	.625 [15.87]	.937 [23.80]	2	3.75 [95.25]	2.67 [67.82]	1.345 [34.16]	1.468 [37.29]	1.437-18 UNEF
36	20	20	16	.625 [15.87]	.937 [23.80]	2	4.75 [120.65]	3.67 [93.22]	1.345 [34.16]	1.468 [37.29]	1.437-18 UNEF
37	20	20	20	.875 [22.22]	1.250 [31.75]	2	3.75 [95.25]	2.67 [67.82]	1.345 [34.16]	1.969 [50.01]	1.750-18 UNS
38	20	20	20	.875 [22.22]	1.250 [31.75]	2	4.75 [120.65]	3.67 [93.22]	1.345 [34.16]	1.969 [50.01]	1.750-18 UNS
39	22	22	10	.350 [8.89]	.625 [15.87]	1	3.00 [76.20]	1.92 [48.77]	1.468 [37.29]	—	1.000-20 UNEF
40	22	22	10	.350 [8.89]	.625 [15.87]	1	4.00 [101.60]	2.92 [74.17]	1.468 [37.29]	—	1.000-20 UNEF
41	22	22	12	.500 [12.70]	.750 [19.05]	1	3.00 [76.20]	1.92 [48.77]	1.468 [37.29]	—	1.187-18 UNEF
42	22	22	12	.500 [12.70]	.750 [19.05]	1	4.00 [101.60]	2.92 [74.17]	1.468 [37.29]	—	1.187-18 UNEF
43	22	22	16	.625 [15.87]	.937 [23.80]	1	3.00 [76.20]	1.92 [48.77]	1.468 [37.29]	—	1.437-18 UNEF
44	22	22	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	2.92 [74.17]	1.468 [37.29]	—	1.437-18 UNEF
45	22	22	20	.875 [22.22]	1.250 [31.75]	2	3.75 [95.25]	2.67 [67.82]	1.468 [37.29]	1.969 [50.01]	1.750-18 UNS
46	22	22	20	.875 [22.22]	1.250 [31.75]	2	4.75 [120.65]	3.67 [93.22]	1.468 [37.29]	1.969 [50.01]	1.750-18 UNS
47	24	24	12	.500 [12.70]	.750 [19.05]	1	3.00 [76.20]	1.92 [48.77]	1.593 [40.46]	—	1.187-18 UNEF
48	24	24	12	.500 [12.70]	.750 [19.05]	1	4.00 [101.60]	2.92 [74.17]	1.593 [40.46]	—	1.187-18 UNEF
49	24	24	16	.625 [15.87]	.812 [20.62]	1	3.00 [76.20]	1.92 [48.77]	1.593 [40.46]	—	1.437-18 UNEF
50	24	24	16	.625 [15.87]	.812 [20.62]	1	4.00 [101.60]	2.92 [74.17]	1.593 [40.46]	—	1.437-18 UNEF
51	24	24	16	.625 [15.87]	.937 [23.80]	1	3.00 [76.20]	1.92 [48.77]	1.593 [40.46]	—	1.437-18 UNEF
52	24	24	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	2.92 [74.17]	1.593 [40.46]	—	1.437-18 UNEF
53	24	24	20	.875 [22.22]	1.250 [31.75]	2	3.75 [95.25]	2.67 [67.82]	1.593 [40.46]	1.969 [50.01]	1.750-18 UNS
54	24	24	20	.875 [22.22]	1.250 [31.75]	2	4.75 [120.65]	3.67 [93.22]	1.593 [40.46]	1.969 [50.01]	1.750-18 UNS
55	—	28	12	.500 [12.70]	.750 [19.05]	1	3.00 [76.20]	1.92 [48.77]	1.969 [50.01]	—	1.187-18 UNEF
56	—	28	12	.500 [12.70]	.750 [19.05]	1	4.00 [101.60]	2.92 [74.17]	1.969 [50.01]	—	1.187-18 UNEF
57	—	28	16	.625 [15.87]	.937 [23.80]	1	3.00 [76.20]	1.92 [48.77]	1.969 [50.01]	—	1.437-18 UNEF
58	—	28	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	2.92 [74.17]	1.969 [50.01]	—	1.43-18 UNEF
59	—	28	20	.875 [22.22]	1.250 [31.75]	1	3.00 [76.20]	1.92 [48.77]	1.969 [50.01]	—	1.750-18 UNS
60	—	28	20	.875 [22.22]	1.250 [31.75]	1	4.00 [101.60]	2.92 [74.17]	1.969 [50.01]	—	1.750-18 UNS
61	—	28	24	1.000 [25.40]	1.375 [34.92]	1	3.00 [76.20]	1.92 [48.77]	1.969 [50.01]	—	2.000-18 UNS
62	—	28	24	1.000 [25.40]	1.375 [34.92]	1	4.00 [101.60]	2.92 [74.17]	1.969 [50.01]	—	2.000-18 UNS
63	—	32	16	.625 [15.87]	.937 [23.80]	1	3.00 [76.20]	1.92 [48.77]	2.219 [56.36]	—	1.437-18 UNEF

Dimensions in brackets [] are in millimeters.

Continued on Next Page

STRAIGHT NON-ENVIRONMENTAL EMI/RFI SHIELD TERMINATION BACKSHELL WITH CABLE CLAMP

B049AF25

Continued from Previous Page

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B ±.125 [±3.17]	C REF.	ØD MAX.	ØE MAX.	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.						
64	-	32	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	2.92 [74.17]	2.219 [56.36]	-	1.437-18 UNEF
65	-	32	20	.875 [22.22]	1.250 [31.75]	1	3.00 [76.20]	1.92 [48.77]	2.219 [56.36]	-	1.750-18 UNS
66	-	32	20	.875 [22.22]	1.250 [31.75]	1	4.00 [101.60]	2.92 [74.17]	2.219 [56.36]	-	1.750-18 UNS
67	-	32	24	1.000 [25.40]	1.375 [34.92]	1	3.00 [76.20]	1.92 [48.77]	2.219 [56.36]	-	2.000-18 UNEF
68	-	32	24	1.000 [25.40]	1.375 [34.92]	1	4.00 [101.60]	2.92 [74.17]	2.219 [56.36]	-	2.000-18 UNEF
69	-	32	28	1.250 [31.75]	1.625 [41.27]	1	3.00 [76.20]	1.92 [48.77]	2.219 [56.36]	-	2.250-16 UN
70	-	32	28	1.250 [31.75]	1.625 [41.27]	1	4.00 [101.60]	2.92 [74.17]	2.219 [56.36]	-	2.250-16 UN
71	-	36	20	.875 [22.22]	1.250 [31.75]	1	4.00 [101.60]	2.92 [74.17]	2.469 [62.71]	-	1.750-18 UNS
72	-	36	20	.875 [22.22]	1.250 [31.75]	1	5.00 [127.00]	3.92 [99.57]	2.469 [62.71]	-	1.750-18 UNS
73	-	36	24	1.000 [25.40]	1.375 [34.92]	1	4.00 [101.60]	2.92 [74.17]	2.469 [62.71]	-	2.000-18 UNS
74	-	36	24	1.000 [25.40]	1.375 [34.92]	1	5.00 [127.00]	3.92 [99.57]	2.469 [62.71]	-	2.000-18 UNS
75	-	36	28	1.250 [31.75]	1.625 [41.27]	1	4.00 [101.60]	2.92 [74.17]	2.469 [62.71]	-	2.250-16 UN
76	-	36	28	1.250 [31.75]	1.625 [41.27]	1	5.00 [127.00]	3.92 [99.57]	2.469 [62.71]	-	2.250-16 UN
77	-	36	32	1.437 [36.50]	1.875 [47.62]	2	4.88 [123.95]	3.80 [96.52]	2.469 [62.71]	2.719 [69.06]	2.500-16 UN
78	-	36	32	1.437 [36.50]	1.875 [47.62]	2	5.88 [149.35]	4.80 [121.92]	2.469 [62.71]	2.719 [69.06]	2.500-16 UN
79	-	40	20	.875 [22.22]	1.250 [31.75]	1	4.00 [101.60]	2.92 [74.17]	2.719 [69.06]	-	1.750-18 UNS
80	-	40	20	.875 [22.22]	1.250 [31.75]	1	5.00 [127.00]	3.92 [99.57]	2.719 [69.06]	-	1.750-18 UNS
81	-	40	24	1.000 [25.40]	1.375 [34.92]	1	4.00 [101.60]	2.92 [74.17]	2.719 [69.06]	-	2.000-18 UNS
82	-	40	24	1.000 [25.40]	1.375 [34.92]	1	5.00 [127.00]	3.92 [99.57]	2.719 [69.06]	-	2.000-18 UNS
83	-	40	28	1.250 [31.75]	1.625 [41.27]	1	4.00 [101.60]	2.92 [74.17]	2.719 [69.06]	-	2.250-16 UN
84	-	40	28	1.250 [31.75]	1.625 [41.27]	1	5.00 [127.00]	3.92 [99.57]	2.719 [69.06]	-	2.250-16 UN
85	-	40	32	1.437 [36.50]	1.875 [47.62]	1	4.00 [101.60]	2.92 [74.17]	2.719 [69.06]	-	2.500-16 UN
86	-	40	32	1.437 [36.50]	1.875 [47.62]	1	5.00 [127.00]	3.92 [99.57]	2.719 [69.06]	-	2.500-16 UN
87	-	44	20	.875 [22.22]	1.250 [31.75]	1	4.00 [101.60]	2.92 [74.17]	2.969 [75.41]	-	1.750-18 UNS
88	-	44	20	.875 [22.22]	1.250 [31.75]	1	5.00 [127.00]	3.92 [99.57]	2.969 [75.41]	-	1.750-18 UNS
89	-	44	24	1.000 [25.40]	1.375 [34.92]	1	4.00 [101.60]	2.92 [74.17]	2.969 [75.41]	-	2.000-18 UNS
90	-	44	24	1.000 [25.40]	1.375 [34.92]	1	5.00 [127.00]	3.92 [99.57]	2.969 [75.41]	-	2.000-18 UNS
91	-	44	28	1.250 [31.75]	1.625 [41.27]	1	4.00 [101.60]	2.92 [74.17]	2.969 [75.41]	-	2.250-16 UN
92	-	44	28	1.250 [31.75]	1.625 [41.27]	1	5.00 [127.00]	3.92 [99.57]	2.969 [75.41]	-	2.250-16 UN
93	-	44	32	1.437 [36.50]	1.875 [47.62]	1	4.00 [101.60]	2.92 [74.17]	2.969 [75.41]	-	2.500-16 UN
94	-	44	32	1.437 [36.50]	1.875 [47.62]	1	5.00 [127.00]	3.92 [99.57]	2.969 [75.41]	-	2.500-16 UN

Dimensions in brackets [] are in millimeters.

Continued on Next Page

STRAIGHT NON-ENVIRONMENTAL EMI/RFI SHIELD TERMINATION BACKSHELL WITH CABLE CLAMP

B049AF25

Continued from Previous Page

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B ±.125 [±3.17]	C REF.	ØD MAX.	ØE MAX.	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.						
95	–	48	20	.875 [22.22]	1.250 [31.75]	1	4.00 [101.60]	2.92 [74.17]	3.219 [81.76]	–	1.750-18 UNS
96	–	48	20	.875 [22.22]	1.250 [31.75]	1	5.00 [127.00]	3.92 [99.57]	3.219 [81.76]	–	1.750-18 UNS
97	–	48	24	1.000 [25.40]	1.375 [34.92]	1	4.00 [101.60]	2.92 [74.17]	3.219 [81.76]	–	2.000-18 UNS
98	–	48	24	1.000 [25.40]	1.375 [34.92]	1	5.00 [127.00]	3.92 [99.57]	3.219 [81.76]	–	2.000-18 UNS
99	–	48	28	1.250 [31.75]	1.625 [41.27]	1	4.00 [101.60]	2.92 [74.17]	3.219 [81.76]	–	2.250-16 UN
100	–	48	28	1.250 [31.75]	1.625 [41.27]	1	5.00 [127.00]	3.92 [99.57]	3.219 [81.76]	–	2.250-16 UN
101	–	48	32	1.437 [36.50]	1.875 [47.62]	1	4.00 [101.60]	2.92 [74.17]	3.219 [81.76]	–	2.500-16 UN
102	–	48	32	1.437 [36.50]	1.875 [47.62]	1	5.00 [127.00]	3.92 [99.57]	3.219 [81.76]	–	2.500-16 UN
111	12	12, 12S	10	.350 [8.89]	.500 [12.70]	1	2.00 [50.80]	1.00 [25.40]	.858 [21.79]	–	1.000-20 UNEF
112	16	16, 16S	6	.250 [6.35]	.437 [11.10]	1	2.00 [50.80]	1.00 [25.40]	1.112 [28.24]	–	.750-20 UNEF
113	16	16, 16S	6	.250 [6.35]	.437 [11.10]	1	3.00 [76.20]	2.00 [50.80]	1.112 [28.24]	–	.750-20 UNEF
114	12	12, 12S	4	.125 [3.17]	.312 [7.92]	1	2.00 [50.80]	1.00 [25.40]	.858 [21.79]	–	.625-24 UNEF
115	12	12, 12S	4	.125 [3.17]	.312 [7.92]	1	3.00 [76.20]	2.00 [50.80]	.858 [21.79]	–	.625-24 UNEF
116	14	14, 14S	6	.250 [6.35]	.437 [11.10]	1	2.00 [50.80]	1.00 [25.40]	.984 [24.99]	–	.750-20 UNEF
117	14	14, 14S	6	.250 [6.35]	.437 [11.10]	1	3.00 [76.20]	2.00 [50.80]	.984 [24.99]	–	.750-20 UNEF
118	16	16, 16S	10	.350 [8.89]	.625 [15.87]	1	2.00 [50.80]	.92 [23.37]	1.112 [28.24]	–	1.000-20 UNEF
119	16	16, 16S	10	.350 [8.89]	.625 [15.87]	1	3.00 [76.20]	1.92 [48.77]	1.112 [28.24]	–	1.000-20 UNEF
120	18	18	4	.125 [3.17]	.312 [7.92]	1	2.00 [50.80]	.92 [23.37]	1.218 [30.94]	–	.625-24 UNEF
121	18	18	4	.125 [3.17]	.312 [7.92]	1	3.00 [76.20]	1.92 [48.77]	1.218 [30.94]	–	.625-24 UNEF
122	18	18	6	.250 [6.35]	.437 [11.10]	1	2.00 [50.80]	.92 [23.37]	1.218 [30.94]	–	.750-20 UNEF
123	18	18	6	.250 [6.35]	.437 [11.10]	1	3.00 [76.20]	1.92 [48.77]	1.218 [30.94]	–	.750-20 UNEF
124	20	20	6	.250 [6.35]	.437 [11.10]	1	3.00 [76.20]	1.92 [48.77]	1.345 [34.16]	–	.750-20 UNEF
125	20	20	6	.250 [6.35]	.437 [11.10]	1	4.00 [101.60]	2.92 [74.17]	1.345 [34.16]	–	.750-20 UNEF
126	22	22	4	.125 [3.17]	.312 [7.92]	1	3.00 [76.20]	1.92 [48.77]	1.468 [37.29]	–	.625-24 UNEF
127	22	22	4	.125 [3.17]	.312 [7.92]	1	4.00 [101.60]	2.92 [74.17]	1.468 [37.29]	–	.625-24 UNEF
128	22	22	6	.250 [6.35]	.437 [11.10]	1	3.00 [76.20]	1.92 [48.77]	1.468 [37.29]	–	.750-20 UNEF
129	22	22	6	.250 [6.35]	.437 [11.10]	1	4.00 [101.60]	2.92 [74.17]	1.468 [37.29]	–	.750-20 UNEF
130	24	24	10	.350 [8.89]	.625 [15.87]	1	3.00 [76.20]	1.92 [48.77]	1.593 [40.46]	–	1.000-20 UNEF
131	24	24	10	.350 [8.89]	.625 [15.87]	1	4.00 [101.60]	2.92 [74.17]	1.593 [40.46]	–	1.000-20 UNEF
132	–	36	12	.500 [12.70]	.750 [19.05]	1	4.00 [101.60]	2.92 [74.17]	2.469 [62.71]	–	1.187-18 UNEF
133	–	36	12	.500 [12.70]	.750 [19.05]	1	5.00 [127.00]	3.92 [99.57]	2.469 [62.71]	–	1.187-18 UNEF

Dimensions in brackets [] are in millimeters.

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STRAIGHT NON-ENVIRONMENTAL EMI/RFI SHIELD TERMINATION BACKSHELL WITH CABLE CLAMP

B049AF25

Continued from Previous Page

DASH NO.	FITS SHELL OF CONN.		CLAMP SIZE	A WIRE BUNDLE RANGE [DIA.]		STYLE	B ±.125 [±3.17]	C REF.	ØD MAX.	ØE MAX.	V THREAD CLASS 2A
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		MIN.	MAX.						
134	–	40	12	.500 [12.70]	.750 [19.05]	1	4.00 [101.60]	2.92 [74.17]	2.719 [69.06]	–	1.187-18 UNEF
135	–	40	12	.500 [12.70]	.750 [19.05]	1	5.00 [127.00]	3.92 [99.57]	2.719 [69.06]	–	1.187-18 UNEF
136	10	10S, 10SL	6	.250 [6.35]	.375 [9.52]	1	2.00 [50.80]	1.06 [26.92]	.734 [18.64]	–	.750-20 UNEF
137	10	10S, 10SL	6	.250 [6.35]	.375 [9.52]	1	3.00 [76.20]	2.06 [52.32]	.734 [18.64]	–	.750-20 UNEF
138	12	12, 12S	10	.350 [8.89]	.500 [12.70]	1	2.00 [50.80]	1.06 [26.92]	.858 [21.79]	–	1.000-20 UNEF
139	12	12, 12S	10	.350 [8.89]	.500 [12.70]	1	3.00 [76.20]	2.06 [52.32]	.858 [21.79]	–	1.000-20 UNEF
140	20	20	16	.625 [15.87]	.904 [22.96]	1	3.00 [76.20]	1.92 [48.77]	1.345 [34.16]	–	1.437-18 UNEF
141	20	20	16	.625 [15.87]	.904 [22.96]	1	4.00 [101.60]	2.92 [74.17]	1.345 [34.16]	–	1.437-20 UNEF
142	22	22	20	.875 [22.22]	1.029 [26.14]	1	3.00 [76.20]	1.92 [48.77]	1.468 [37.29]	–	1.750-18 UNEF
143	22	22	20	.875 [22.22]	1.029 [26.14]	1	4.00 [101.60]	2.92 [74.17]	1.468 [37.29]	–	1.750-18 UNEF
144	24	24	20	.875 [22.22]	1.144 [29.06]	1	3.00 [76.20]	1.92 [48.77]	1.593 [40.46]	–	1.750-18 UNEF
145	24	24	20	.875 [22.22]	1.144 [29.06]	1	4.00 [101.60]	2.92 [74.17]	1.593 [40.46]	–	1.750-18 UNEF
146	–	36	32	1.437 [36.50]	1.840 [46.74]	1	4.00 [101.60]	2.92 [74.17]	2.469 [62.71]	–	2.500-16 UNEF
147	–	36	32	1.437 [36.50]	1.840 [46.74]	1	5.00 [127.00]	3.92 [99.57]	2.469 [62.71]	–	2.500-16 UNEF
148	–	36	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	2.92 [74.17]	2.469 [62.71]	–	1.437-18 UNEF
149	–	36	16	.625 [15.87]	.937 [23.80]	1	5.00 [127.00]	3.92 [99.57]	2.469 [62.71]	–	1.437-18 UNEF
150	14	14, 14S	4	.125 [3.17]	.312 [7.92]	1	2.00 [50.80]	.92 [23.37]	.964 [24.49]	–	.625-24 UNEF
151	14	14, 14S	4	.125 [3.17]	.312 [7.92]	1	3.00 [76.20]	1.92 [48.77]	.964 [24.49]	–	.625-24 UNEF
152	16	16, 16S	4	.125 [3.17]	.312 [7.92]	1	2.00 [50.80]	.92 [23.37]	1.112 [28.24]	–	.625-24 UNEF
153	16	16, 16S	4	.125 [3.17]	.312 [7.92]	1	3.00 [76.20]	1.92 [48.77]	1.112 [28.24]	–	.625-24 UNEF
154	–	44	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	2.92 [74.17]	2.969 [75.41]	–	1.437-18 UNEF
155	–	44	16	.625 [15.87]	.937 [23.80]	1	5.00 [127.00]	3.92 [99.57]	2.969 [75.41]	–	1.437-18 UNEF
156	–	40	16	.625 [15.87]	.937 [23.80]	1	4.00 [101.60]	2.92 [74.17]	2.719 [69.06]	–	1.437-18 UNEF
157	–	40	16	.625 [15.87]	.937 [23.80]	1	5.00 [127.00]	3.92 [99.57]	2.719 [69.06]	–	1.437-18 UNEF

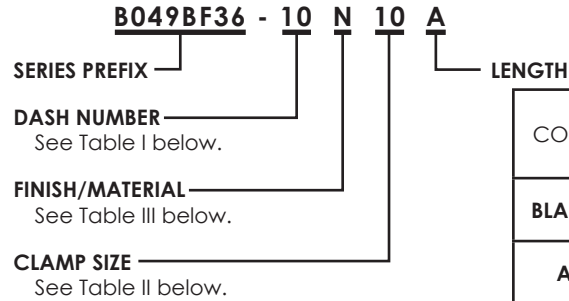
Dimensions in brackets [] are in millimeters.

STRAIGHT NON-ENVIRONMENTAL EMI/RFI BACKSHELL WITH CABLE CLAMP

B049BF36

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

ORDERING INFORMATION



CODE	SHELL SIZE	LENGTH ONE PIECE CONSTRUCTION ±.032 [±0.81]
BLANK	8 thru 24	1.00 [25.40]
A	8 thru 24	2.00 [50.80]
B	14 thru 24	3.00 [76.20]
C	20 thru 24	4.00 [101.60]

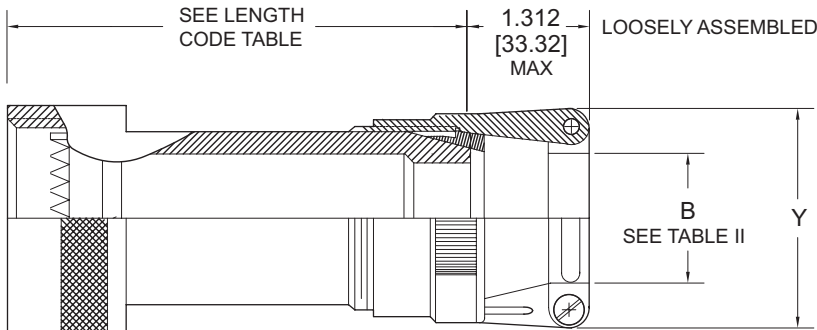


TABLE I

SHELL SIZE	CONNECTOR SHELL SIZE		CLAMP SIZE RANGE*	
	SERIES II	SERIES I	MIN.	MAX.
8	8	9	01	02
10	10	11	01	03
12	12	13	02	04
14	14	15	02	05
16	16	17	02	06
18	18	19	03	07
20	20	21	03	08
22	22	23	03	09
24	24	25	04	10

* Clamp size range applicable to M85049/36 only.

TABLE II

CLAMP SIZE	B CABLE RANGE		Y MAX
	MIN.	MAX.	
01	.062 [1.57]	.125 [3.17]	.781 [19.84]
02	.125 [3.17]	.250 [6.35]	.969 [24.61]
03	.250 [6.35]	.375 [9.52]	1.062 [26.97]
04	.312 [7.92]	.500 [12.70]	1.156 [29.36]
05	.437 [11.10]	.625 [15.87]	1.250 [31.75]
06	.562 [14.27]	.750 [19.05]	1.375 [34.92]
07	.687 [17.45]	.875 [22.22]	1.500 [38.10]
08	.812 [20.62]	1.000 [25.40]	1.625 [41.27]
09	.937 [23.80]	1.125 [28.57]	1.750 [44.45]
10	1.062 [26.97]	1.250 [31.75]	1.875 [47.62]

Dimensions in brackets [] are in millimeters.

TABLE III - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	



90° NON-ENVIRONMENTAL EMI/RFI BACKSHELL WITH CABLE CLAMP

B049BF37

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

ORDERING INFORMATION

B049BF37 10 N 07 D

SERIES PREFIX — **B049BF37**

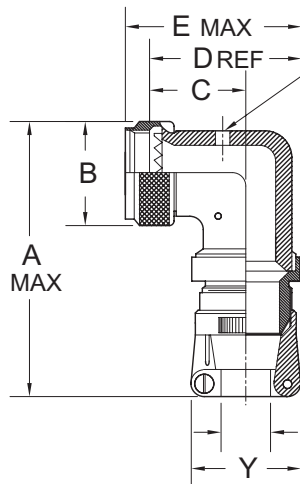
SHELL SIZE — **10**
See Table I below.

FINISH/MATERIAL — **N**
See Table III below.

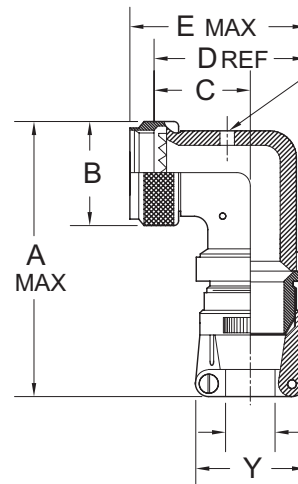
HOLE CONFIGURATION
D 3 Drain holes.
L Encapsulating hole only.

CLAMP SIZE — **07**
See Table I Table II below.

D — **HOLE CONFIGURATION**



B049BF37**D



B049BF37**L

TABLE I

ACCESSORY SHELL SIZE	CONNECTOR SHELL SIZE		CLAMP SIZE (SEE TABLE II)	A MAX.	B MAX.	C MAX.	D REF.	E MAX.
	SERIES I	SERIES II						
8	9	8	01 THRU 02	2.88 [73.15]	.75 [19.05]	.72 [18.29]	1.21 [30.73]	1.45 [36.83]
10	11	10	01 THRU 03	2.92 [74.17]	.85 [21.59]	.72 [18.29]	1.25 [31.75]	1.49 [37.85]
12	13	12	02 THRU 04	3.06 [77.72]	1.00 [25.40]	.80 [20.32]	1.36 [34.54]	1.60 [40.64]
14	15	14	02 THRU 05	3.24 [82.30]	1.10 [27.94]	.85 [21.59]	1.47 [37.34]	1.71 [43.43]
16	17	16	02 THRU 06	3.44 [87.38]	1.25 [31.75]	.91 [23.11]	1.60 [40.64]	1.84 [46.74]
18	19	18	03 THRU 06	3.73 [94.74]	1.40 [35.56]	1.00 [25.40]	1.75 [44.45]	1.99 [50.55]
20	21	20	03 THRU 07	3.94 [100.08]	1.50 [38.10]	1.05 [26.67]	1.82 [46.23]	2.06 [52.32]
22	23	22	03 THRU 08	4.14 [105.16]	1.65 [41.91]	1.10 [27.94]	1.97 [50.04]	2.21 [56.13]
24	25	24	04 THRU 09	4.19 [106.43]	1.75 [44.45]	1.20 [30.48]	2.15 [54.61]	2.30 [58.42]

Dimensions in brackets [] are in millimeters.

TABLE II

CLAMP SIZE	CABLE RANGE		Y MAX.
	MIN.	MAX.	
01	.062 [1.57]	.125 [3.17]	.781 [19.84]
02	.125 [3.17]	.250 [6.35]	.969 [24.61]
03	.250 [6.35]	.375 [9.52]	1.062 [26.97]
04	.312 [7.92]	.500 [12.70]	1.156 [29.36]
05	.437 [11.10]	.625 [15.87]	1.250 [31.75]
06	.562 [14.27]	.750 [19.05]	1.375 [34.92]
07	.687 [17.45]	.875 [22.22]	1.500 [38.10]
08	.812 [20.62]	1.000 [25.40]	1.625 [41.27]
09	.937 [23.80]	1.125 [28.57]	1.750 [44.45]

Dimensions in brackets [] are in millimeters.

TABLE III - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

STRAIGHT NON-ENVIRONMENTAL EMI/RFI BACKSHELL WITH CABLE CLAMP

B049BG19

For **SC3*** Series (MIL-DTL-38999 Series I)

ORDERING INFORMATION

B049BG19 - 9 W 02 A

SERIES PREFIX ——— **STYLE**

DASH NUMBER ———
See Table I below.

FINISH/MATERIAL ———
See Table III below.

CLAMP SIZE ———
See Table II

CODE	ACCESSORY SHELL SIZE	LENGTH IN INCHES ± .032 [±0.81]
STANDARD	9 thru 25	1.50 [38.10]
A	9 thru 25	2.50 [63.50]
B	15 thru 25	3.50 [88.90]
C	21 thru 25	4.50 [114.30]

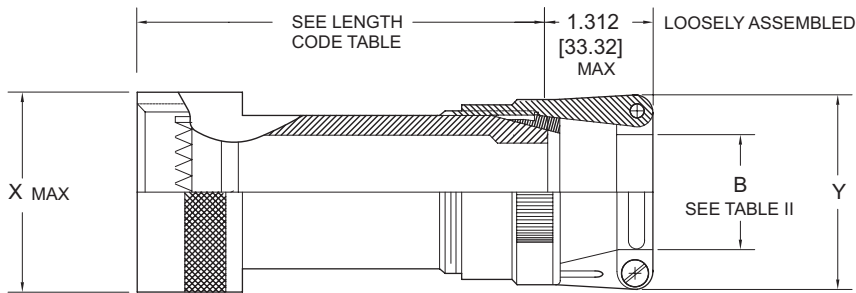


TABLE I

SHELL SIZE	CLAMP SIZE		X MAX. DIA OF COUPLING RING
	MIN.	MAX.	
9	01	02	.75 [19.05]
11	01	03	.85 [21.59]
13	02	04	1.00 [25.40]
15	02	05	1.10 [27.94]
17	02	06	1.25 [31.75]
19	03	07	1.40 [35.56]
21	03	08	1.50 [38.10]
23	03	09	1.65 [41.91]
25	04	10	1.75 [44.45]

Dimensions in brackets [] are in millimeters.

TABLE II

CLAMP SIZE	B CABLE RANGE		Y MAX
	MIN.	MAX.	
01	.062 [1.57]	.125 [3.17]	.781 [19.84]
02	.125 [3.17]	.250 [6.35]	.969 [24.61]
03	.250 [6.35]	.375 [9.52]	1.062 [26.97]
04	.312 [7.92]	.500 [12.70]	1.156 [29.36]
05	.437 [11.10]	.625 [15.87]	1.250 [31.75]
06	.562 [14.27]	.750 [19.05]	1.375 [34.92]
07	.687 [17.45]	.875 [22.22]	1.500 [38.10]
08	.812 [20.62]	1.000 [25.40]	1.625 [41.27]
09	.937 [23.80]	1.125 [28.57]	1.750 [44.45]
10	1.062 [26.97]	1.250 [31.75]	1.875 [47.62]

Dimensions in brackets [] are in millimeters.

TABLE III - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

SECTION 7D BACKSHELLS POTTING BOOTS & RINGS

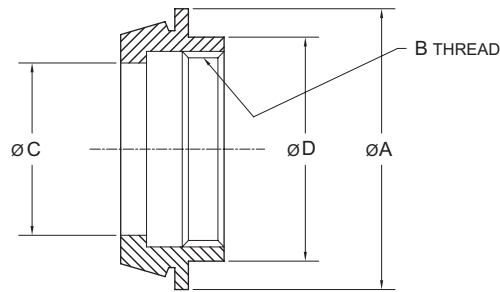
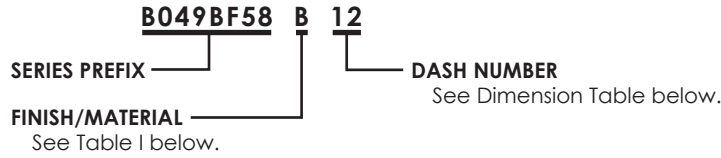
7D

POTTING BOOT RING

B049BF58

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)
B049BF58 Potting Boot Ring is Used with B049BF75 Potting Boot

ORDERING INFORMATION



DASH NO.	SHELL SIZE		ØA MAX	B THREAD UNEF CLASS 2B	ØC ±.005 [±0.13]	ØD ±.005 [±0.13]
	SERIES I	SERIES II				
8	9	8	.600 [15.24]	.4375-28	.344 [8.74]	.500 [12.70]
10	11	10	.726 [18.44]	.5625-24	.472 [11.99]	.625 [15.87]
12	13	12	.850 [21.59]	.6875-24	.586 [14.88]	.750 [19.05]
14	15	14	.976 [24.79]	.8125-20	.711 [18.06]	.875 [22.22]
16	17	16	1.102 [27.99]	.9375-20	.836 [21.23]	1.000 [25.40]
18	19	18	1.226 [31.14]	1.0625-18	.942 [23.93]	1.125 [28.57]
20	21	20	1.352 [34.34]	1.1875-18	1.067 [27.10]	1.250 [31.75]
22	23	22	1.476 [37.49]	1.3125-18	1.192 [30.28]	1.375 [34.92]
24	25	24	1.602 [40.69]	1.4375-18	1.317 [33.45]	1.500 [38.10]

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

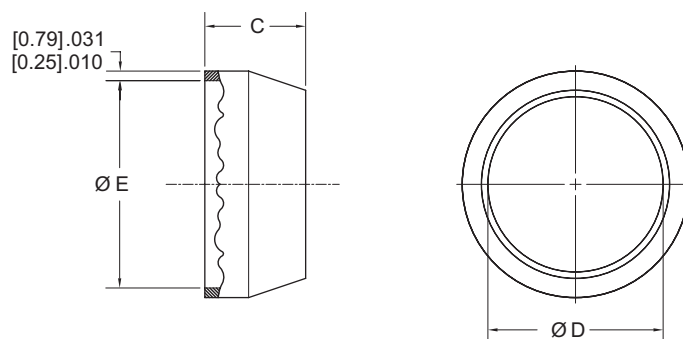
CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Y	Pure dense electrodeposited aluminum in accordance with MIL-DTL-83488, Type II, to withstand 500 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	Not for use on shield termination type connector accessories.
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	



B049BF75-* -1

ORDERING INFORMATION

MATERIAL: Nylon



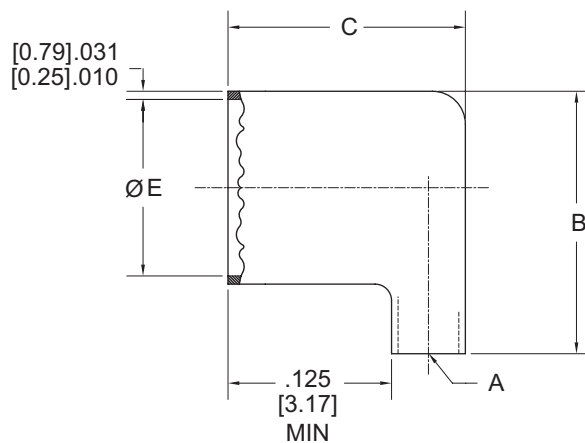
SHELL SIZE	C MAX	D MIN. I.D.	ØE -.000 +.010 [0.00] [0.25]
8	.297 [7.54]	.434 [11.02]	.532 [13.51]
10	.297 [7.54]	.548 [13.92]	.657 [16.69]
12	.297 [7.54]	.673 [17.09]	.781 [19.84]
14	.297 [7.54]	.798 [20.27]	.903 [22.94]
16	.297 [7.54]	.899 [22.83]	1.021 [25.93]
18	.297 [7.54]	1.024 [26.01]	1.145 [29.08]
20	.297 [7.54]	1.149 [29.18]	1.270 [32.26]
22	.297 [7.54]	1.274 [32.36]	1.349 [34.26]
24	.297 [7.54]	1.399 [35.53]	1.520 [38.61]

Dimensions in brackets [] are in millimeters.

B049BF75-*⁻²

ORDERING INFORMATION

MATERIAL: Nylon



SHELL SIZE	A MIN. CROSS-SECTION AREA IN. S.Q.	B MAX.	C MAX	D MIN. I.D.	ØE +.000 -.010 [0.00] [0.25]
8	.073 [1.85]	.766 [19.46]	.438 [11.13]	.434 [11.02]	.532 [13.51]
10	.117 [2.97]	.891 [22.63]	.469 [11.91]	.548 [13.92]	.657 [16.69]
12	.206 [5.23]	1.031 [26.19]	.562 [14.27]	.673 [17.09]	.781 [19.84]
14	.384 [9.75]	1.156 [29.36]	.719 [18.26]	.798 [20.27]	.903 [22.94]
16	.443 [11.25]	1.287 [32.69]	.781 [19.84]	.899 [22.83]	1.021 [25.93]
18	.561 [14.25]	1.406 [35.71]	.844 [21.44]	1.024 [26.01]	1.145 [29.08]
20	.693 [17.60]	1.531 [38.89]	.906 [23.01]	1.149 [29.18]	1.270 [32.26]
22	.840 [21.34]	1.656 [42.06]	.938 [23.83]	1.274 [32.36]	1.349 [34.26]
24	.999 [25.37]	1.781 [45.24]	1.031 [26.19]	1.399 [35.53]	1.520 [38.61]

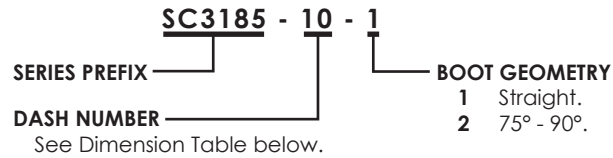
Dimensions in brackets [] are in millimeters.

STRAIGHT POTTING BOOT

SC3185-*-1

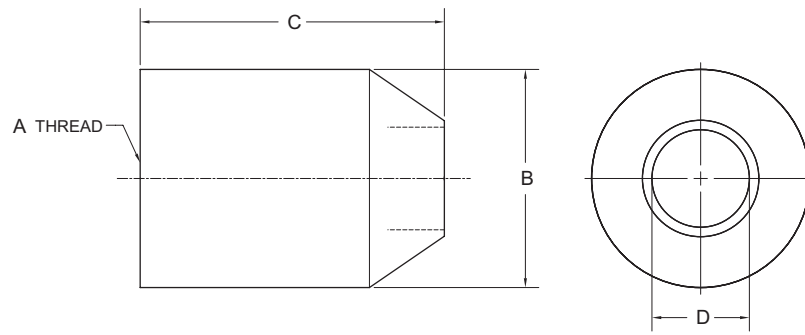
For **SCPT** Series (MIL-DTL-26482 Series I Solder Connectors)

ORDERING INFORMATION



MATERIAL: Nylon

NOTE: Potting Boot Ring Not Required



DASH NO.	SIZE	A THREAD CLASS 2B	ØB MAX	C MAX -2	D MAX.
-8	8	7/16-28	.608 [15.44]	1.125 [28.57]	.317 [8.052]
-10	10	9/16-24	.734 [18.64]	1.250 [31.75]	.433 [10.998]
-12	12	11/16-24	.858 [21.79]	1.344 [34.14]	.548 [13.919]
-14	14	13/16-20	.984 [24.99]	1.453 [36.91]	.673 [17.094]
-16	16	15/16-20	1.110 [28.19]	1.516 [38.51]	.798 [20.269]
-18	18	1 1/16-18	1.234 [31.34]	1.594 [40.49]	.899 [22.835]
-20	20	1 3/16-18	1.360 [34.54]	1.750 [44.45]	1.024 [26.007]
-22	22	1 5/16-18	1.484 [37.69]	1.828 [46.43]	1.149 [29.185]
-24	24	1 7/16-18	1.610 [40.89]	2.125 [53.97]	1.274 [32.360]

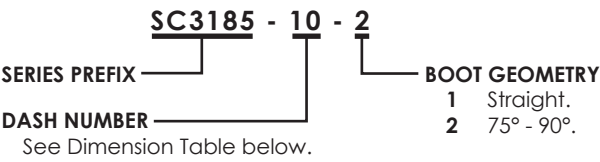
Dimensions in brackets [] are in millimeters.

90° POTTING BOOT

SC3185-*-2

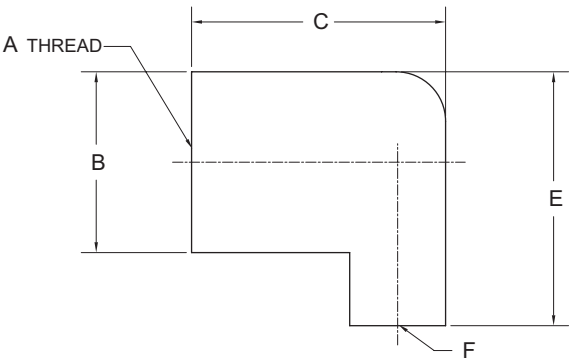
For **SCPT** Series (MIL-DTL-26482 Series I Solder Connectors)

ORDERING INFORMATION



MATERIAL: Nylon

NOTE: POTTING BOOT RING NOT REQUIRED



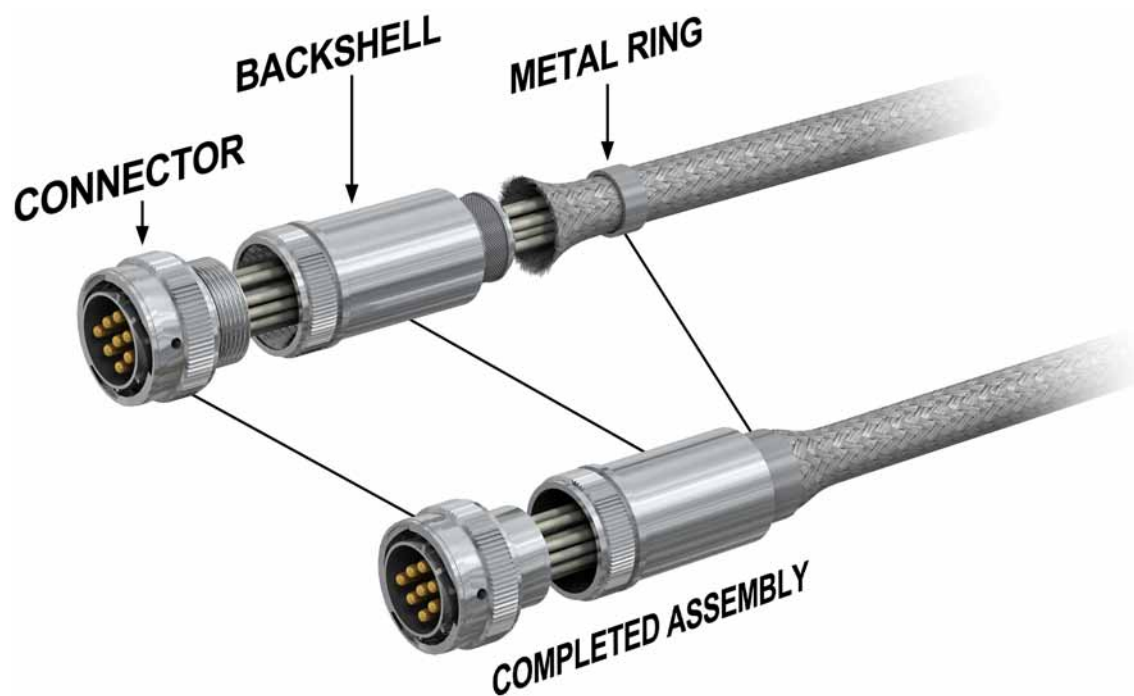
DASH NO.	SIZE	A THREAD CLASS 2B	ØB MAX	C MAX -2	E MAX.	F MIN. CROSS-SEC. AREA IN.
-8	8	7/16-28	.608 [15.44]	1.125 [28.57]	1.030 [26.16]	.078 [1.98]
-10	10	9/16-24	.734 [18.64]	1.250 [31.75]	1.125 [28.57]	.147 [3.73]
-12	12	11/16-24	.858 [21.79]	1.344 [34.14]	1.250 [31.75]	.190 [4.83]
-14	14	13/16-20	.984 [24.99]	1.453 [36.91]	1.297 [32.94]	.226 [5.74]
-16	16	15/16-20	1.110 [28.19]	1.516 [38.51]	1.375 [34.92]	.304 [7.72]
-18	18	1 1/16-18	1.234 [31.34]	1.594 [40.49]	1.469 [37.31]	.532 [13.51]
-20	20	1 3/16-18	1.360 [34.54]	1.750 [44.45]	1.700 [43.18]	.619 [15.72]
-22	22	1 5/16-18	1.484 [37.69]	1.828 [46.43]	1.703 [43.26]	.690 [17.53]
-24	24	1 7/16-18	1.610 [40.89]	2.125 [53.97]	2.100 [53.34]	.806 [20.47]

Dimensions in brackets [] are in millimeters.

SECTION 8D

BACKSHELLS

SHIELD TERMINATIONS



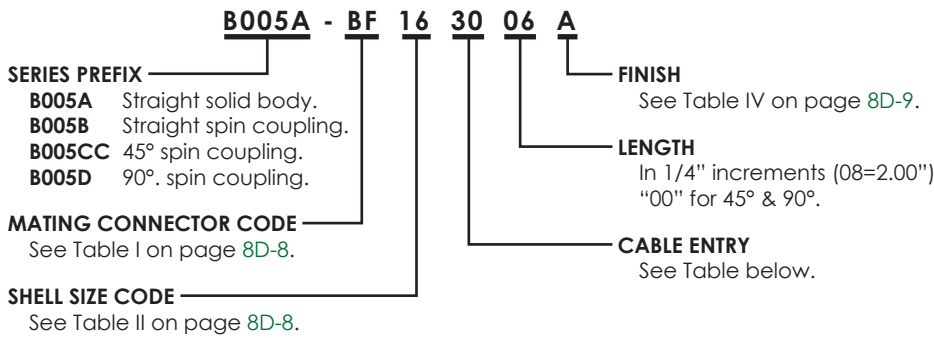
8D

STRAIGHT, 45° & 90° BACKSHELL CRIMP RING SHIELD TERMINATION FOR SHRINK BOOT

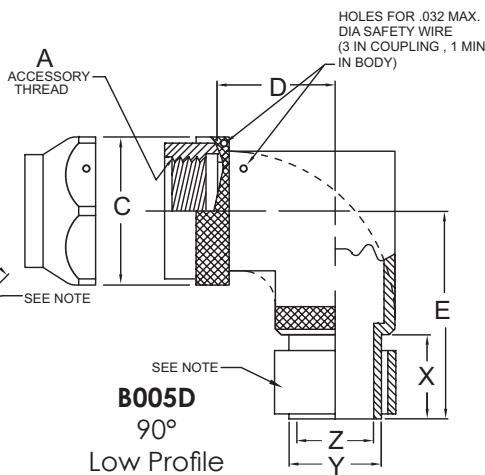
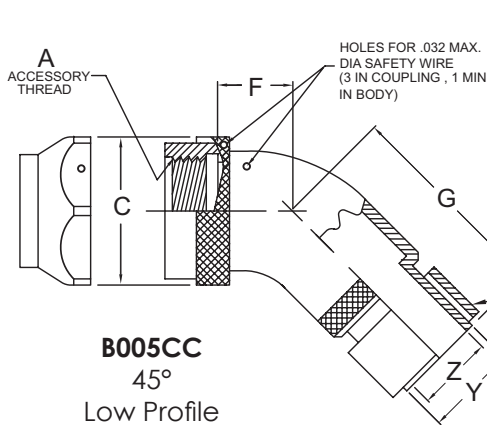
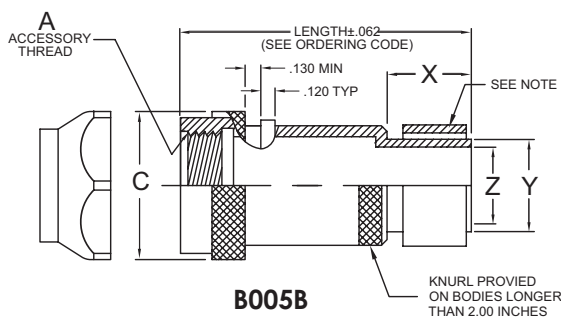
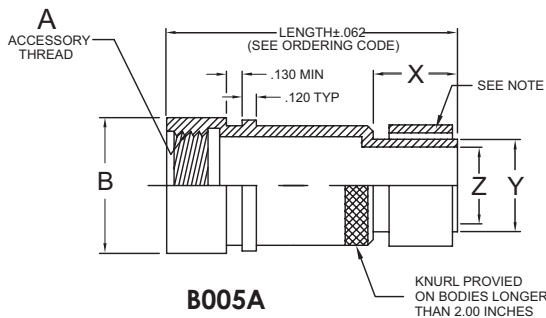
B005A, B005B, B005CC, B005D

Various Series. See Table I on Page 8D-8.

ORDERING INFORMATION



An interfacial adapter will be supplied when maximum cable entry exceeds the connector insert diameter. See Page 8D-6.



STRAIGHT, 45° & 90° BACKSHELL CRIMP RING SHIELD TERMINATION FOR SHRINK BOOT

B005A, B005B, B005CC, B005D

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE								B MAX.	C MAX.	D MAX.	E MAX.	F MAX.	G MAX.	
	AB	AF	AK	AM	BA	BB	BF								BG
			SWLD	SWL			SERIES								
		*1	*2				I	II							III
.375-32UNEF	8S									.531	.688	.500	1.000	.750	1.125
.438-28UNEF					8		9	8		.594	.688	.500	1.000	.750	1.125
.500-20UNF		8 & 8S								.656	.617	.500	1.000	.750	1.125
.500-28UNEF	10S			10						.656	.850	.500	1.000	.750	1.188
M12x 1.0									9	.656	.688	.750	1.031	1.000	1.250
.562-24UNEF					10		11	10		.719	.812	.750	1.031	1.000	1.250
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.781	.875	.750	1.031	1.000	1.250
M15x 1.0									11	.781	.812	.750	1.062	1.000	1.312
.688-24UNEF					12		13	12		.844	.938	.812	1.062	1.062	1.312
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.906	1.000	.812	1.062	1.062	1.312
M18x 1.0									13	.906	.938	.812	1.125	1.062	1.312
.812-20UNEF					14		15	14		.969	1.062	.812	1.125	1.062	1.375
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.031	1.125	.812	1.125	1.062	1.375
M22x 1.0									15	1.031	1.062	.812	1.188	1.062	1.438
.938-20UNEF					16		17	16		1.094	1.188	.844	1.188	1.125	1.438
1.000-20UNEF	18	16 & 16S	16	18		14				1.156	1.250	.844	1.188	1.125	1.438
M25x 1.0									17	1.156	1.188	.844	1.188	1.125	1.500
1.062-18UNEF		18			18		19	18		1.219	1.312	.875	1.188	1.188	1.500
1.125-18UNEF	20		18	20		16				1.281	1.375	.875	1.188	1.188	1.562
M28x 1.0									19	1.281	1.312	.875	1.188	1.188	1.562
1.188-18UNEF		20			20		21	20		1.344	1.438	.938	1.188	1.250	1.562
1.250-18UNEF	22		20	22		18				1.406	1.500	.938	1.188	1.250	1.625
M31 x 1.0									21	1.406	1.438	.938	1.250	1.250	1.625
1.312-18UNEF		22			22		23	22		1.469	1.562	.938	1.250	1.250	1.625
1.375-18UNEF	24		22	24		20				1.531	1.625	.938	1.250	1.250	1.625
M34x 1.0									23	1.531	1.562	.938	1.312	1.250	1.750
1.438-18UNEF		24			24		25	24		1.594	1.688	1.000	1.312	1.375	1.750
1.500-18UNEF						22				1.656	1.688	1.000	1.312	1.375	1.750
M37x 1.0									25	1.656	1.688	1.000	1.312	1.375	1.750
1.625-18UNEF	28		24	28		24				1.844	1.969	1.000	1.312	1.375	1.750
1.750-18UNS		28								1.969	2.094	1.000	1.438	1.375	1.812
1.875-16UN	32		28	32						2.094	2.219	1.125	1.438	1.500	1.812
2.000-18UNS		32								2.219	2.344	1.125	1.438	1.500	1.812
2.062-16UNS	36		32	36						2.281	2.406	1.125	1.500	1.500	2.125
2.250-16UN		36								2.469	2.594	1.125	1.500	1.500	2.250
2.312-16UNS	40		36	40						2.531	2.656	1.250	1.500	1.625	2.250
2.500-16UN		40								2.719	2.844	1.250	1.500	1.500	2.250
2.625-16UN			40	44						2.844	2.969	1.250	1.500	1.625	2.375
2.750-16UN		44								2.969	2.969	1.250	1.500	1.625	2.375
2.875-16UN			44	48						3.094	3.281	1.250	1.500	1.625	2.375
3.000-16UN		48								3.219	2.406	1.250	1.500	1.625	2.375
3.125-16UN			48							3.344	3.531	1.250	1.500	1.625	2.375

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

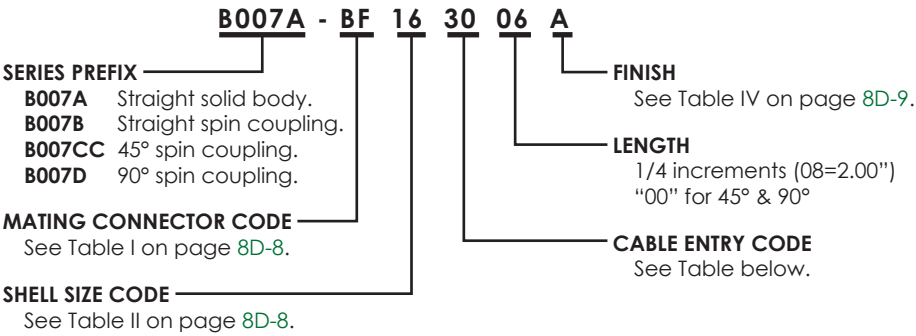
STRAIGHT 45° & 90° BACKSHELL CRIMP RING

SHIELD TERMINATION

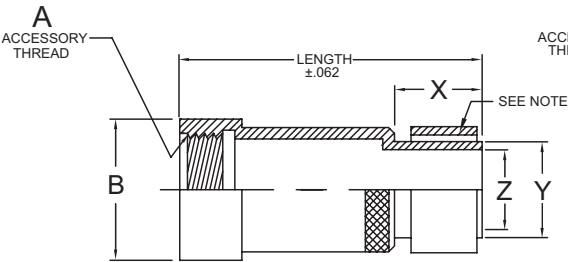
B007A, B007B, B007CC, B007D

Various Series. See Table I on Page 8D-8.

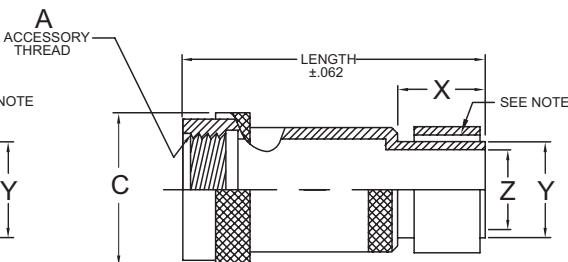
ORDERING INFORMATION



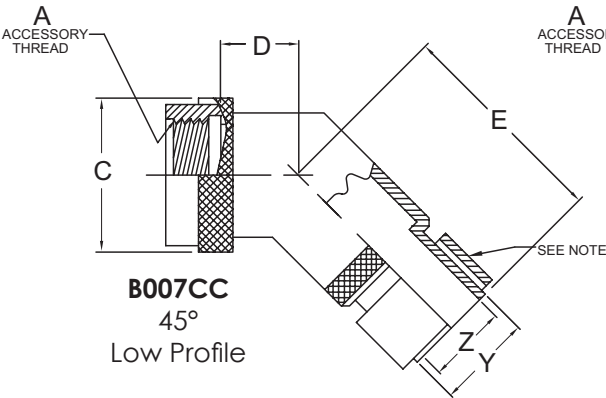
An interfacial adapter will be supplied when maximum cable entry exceeds the connector insert diameter. See Page 8D-6.



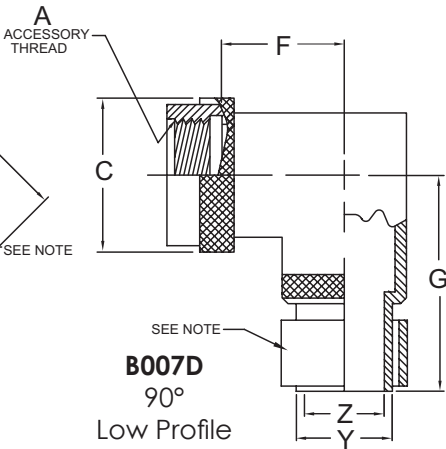
B007A
Straight-Solid Body



B007B
Straight-Spin Coupling



B007CC
45°
Low Profile



B007D
90°
Low Profile

CABLE ENTRY CODE	X ±.015	Y O.D ±.010	Z I.D ±.010
06	.312	.113	.090
10	.312	.145	.124
13	.312	.179	.149
16	.312	.215	.175
20	.312	.250	.219
23	.312	.281	.250
26	.312	.306	.275
29	.312	.335	.297
30	.312	.365	.312
31	.312	.406	.375
32	.312	.500	.430
33	.600	.620	.550
34	.600	.750	.620
35	.600	.880	.810
36	.600	1.000	.920
37	.600	1.120	.990
38	.600	1.120	1.040
39	.600	1.192	1.122
40	.600	1.294	1.224
41	.600	1.423	1.353
42	.600	1.545	1.425
43	.600	1.670	1.550

Reference: MIL-DTL-85049/26-2 Crimp Ring not supplied with assembly.

NOTE: due to the various types and thicknesses of shielding used, crimp rings are not supplied with these adapters. See B049AF26-2 on page 8D-12 for available sizes of crimp rings as well as crimp tools and dies.

STRAIGHT 45° & 90° BACKSHELL CRIMP RING SHIELD TERMINATION

B007A, B007B, B007CC, B007D

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE									B MAX.	C MAX.	D MAX.	E MAX.	F MAX.	G MAX.
	AB	AF	AK	AM	BA	BB	BF		BG						
			SWLD	SWL			SERIES								
		*1	*2				I	II	III						
.375-32UNEF	8S									.531	.688	.500	1.000	.750	1.125
.438-28UNEF					8		9	8		.594	.688	.500	1.000	.750	1.125
.500-20UNF		8 & 8S								.656	.617	.500	1.000	.750	1.125
.500-28UNEF	10S			10						.656	.850	.500	1.000	.750	1.188
M12x 1.0									9	.656	.688	.750	1.031	1.000	1.250
.562-24UNEF					10		11	10		.719	.812	.750	1.031	1.000	1.250
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.781	.875	.750	1.031	1.000	1.250
M15x 1.0									11	.781	.812	.750	1.062	1.000	1.312
.688-24UNEF					12		13	12		.844	.938	.812	1.062	1.062	1.312
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.906	1.000	.812	1.062	1.062	1.312
M18x 1.0									13	.906	.938	.812	1.125	1.062	1.312
.812-20UNEF					14		15	14		.969	1.062	.812	1.125	1.062	1.375
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.031	1.125	.812	1.125	1.062	1.375
M22x 1.0									15	1.031	1.062	.812	1.188	1.062	1.438
.938-20UNEF					16		17	16		1.094	1.188	.844	1.188	1.125	1.438
1.000-20UNEF	18	16 & 16S	16	18		14				1.156	1.250	.844	1.188	1.125	1.438
M25x 1.0									17	1.156	1.188	.844	1.188	1.125	1.500
1.062-18UNEF		18			18		19	18		1.219	1.312	.875	1.188	1.188	1.500
1.125-18UNEF	20		18	20		16				1.281	1.375	.875	1.188	1.188	1.562
M28x 1.0									19	1.281	1.312	.875	1.188	1.188	1.562
1.188-18UNEF		20			20		21	20		1.344	1.438	.938	1.188	1.250	1.562
1.250-18UNEF	22		20	22		18				1.406	1.500	.938	1.188	1.250	1.625
M31 x 1.0									21	1.406	1.438	.938	1.250	1.250	1.625
1.312-18UNEF		22			22		23	22		1.469	1.562	.938	1.250	1.250	1.625
1.375-18UNEF	24		22	24		20				1.531	1.625	.938	1.250	1.250	1.625
M34x 1.0									23	1.531	1.562	.938	1.312	1.250	1.750
1.438-18UNEF		24			24		25	24		1.594	1.688	1.000	1.312	1.375	1.750
1.500-18UNEF						22				1.656	1.688	1.000	1.312	1.375	1.750
M37x 1.0									25	1.656	1.688	1.000	1.312	1.375	1.750
1.625-18UNEF	28		24	28		24				1.844	1.969	1.000	1.312	1.375	1.750
1.750-18UNS		28								1.969	2.094	1.000	1.438	1.375	1.812
1.875-16UN	32		28	32						2.094	2.219	1.125	1.438	1.500	1.812
2.000-18UNS		32								2.219	2.344	1.125	1.438	1.500	1.812
2.062-16UNS	36		32	36						2.281	2.406	1.125	1.500	1.500	2.125
2.250-16UN		36								2.469	2.594	1.125	1.500	1.500	2.250
2.312-16UNS	40		36	40						2.531	2.656	1.250	1.500	1.625	2.250
2.500-16UN		40								2.719	2.844	1.250	1.500	1.500	2.250
2.625-16UN			40	44						2.844	2.969	1.250	1.500	1.625	2.375
2.750-16UN		44								2.969	2.969	1.250	1.500	1.625	2.375
2.875-16UN			44	48						3.094	3.281	1.250	1.500	1.625	2.375
3.000-16UN		48								3.219	2.406	1.250	1.500	1.625	2.375
3.125-16UN			48							3.344	3.531	1.250	1.500	1.625	2.375

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

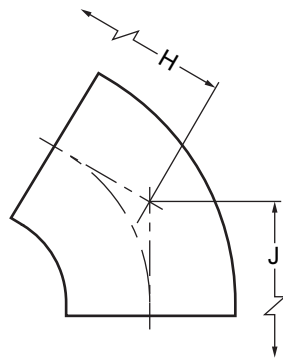
* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

CONFIGURATIONS

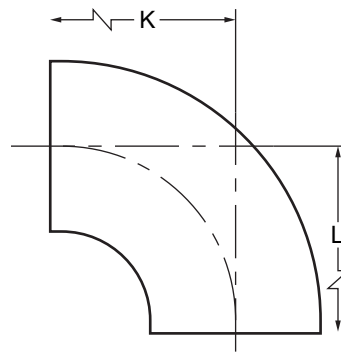
CONFIGURATION CODES

CODE					DESCRIPTION
STRAIGHT	45°	45° BENT TUBE	90°	90° BENT TUBE	
A					Solid body
B	CC	C	D	H	Round non-locking nut, .032" safety wire holes
E	FF	F	G	K	Hex non-locking nut, .032 safety wire holes

BENT TUBE CONFIGURATIONS

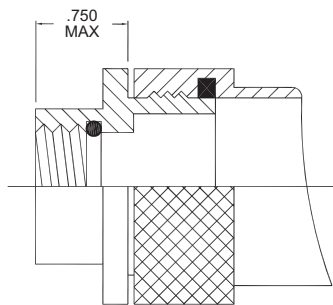


**45°
Bent Tube**

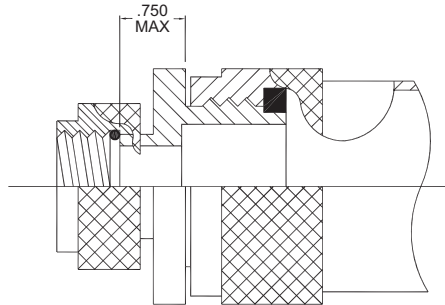


**90°
Bent Tube**

INTERFACIAL ADAPTER CONFIGURATIONS



**Straight Solid
Configuration**



**Straight 45° & 90°
Spin Configuration**

O-Rings Supplied for Environmental Assemblies Only

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE								H MAX.	J MAX.	K MAX.	L MAX.	
	AB	AF	AK	AM	BA	BB	BF						BG
			SWLD	SWL			SERIES						
		*1	*2					I					II
.375-32UNEF	8S								.812	.875	1.125	1.188	
.438-28UNEF					8		9	8		.812	.875	1.125	1.188
.500-20UNF		8 & 8S								.812	.875	1.125	1.188
.500-28UNEF	10S			10						.812	.875	1.125	1.188
M12x 1.0									9	.812	.875	1.125	1.188
.562-24UNEF					10		11	10		.875	.938	1.250	1.312
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.875	.938	1.250	1.312
M15x 1.0									11	.875	.938	1.250	1.312
.688-24UNEF					12		13	12		.938	1.000	1.375	1.438
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.938	1.000	1.375	1.438
M18x 1.0									13	.938	1.000	1.375	1.438
.812-20UNEF					14		15	14		1.000	1.062	1.500	1.562
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.000	1.062	1.500	1.562
M22x 1.0									15	1.000	1.062	1.500	1.562
.938-20UNEF					16		17	16		1.062	1.125	1.625	1.688
1.000-20UNEF	18	16 & 16S	16	18		14				1.062	1.125	1.625	1.688
M25x 1.0									17	1.062	1.125	1.625	1.688
1.062-18UNEF		18			18		19	18		1.094	1.156	1.750	1.812
1.125-18UNEF	20		18	20		16				1.094	1.156	1.750	1.812
M28x 1.0									19	1.094	1.156	1.750	1.812
1.188-18UNEF		20			20		21	20		1.156	1.219	1.875	1.938
1.250-18UNEF	22		20	22		18				1.156	1.219	1.875	1.938
M31 x 1.0									21	1.156	1.219	1.875	1.938
1.312-18UNEF		22			22		23	22		1.188	1.250	2.000	2.062
1.375-18UNEF	24		22	24		20				1.188	1.250	2.000	2.062
M34x 1.0									23	1.188	1.250	2.000	2.062
1.438-18UNEF		24			24		25	24		1.250	1.312	2.125	2.188
1.500-18UNEF						22				1.250	1.312	2.125	2.188
M37x 1.0									25	1.250	1.312	2.125	2.188
1.625-18UNEF	28		24	28		24				1.344	1.625	2.375	2.625
1.750-18UNS		28								1.344	1.625	2.375	2.625
1.875-16UN	32		28	32						1.438	1.812	2.625	3.000
2.000-18UNS		32								1.438	1.812	2.625	3.000
2.062-16UNS	36		32	36						1.562	1.938	2.875	3.250
2.250-16UN		36								1.562	1.938	2.875	3.250
2.312-16UNS	40		36	40						1.688	2.062	3.125	3.500
2.500-16UN		40								1.688	2.062	3.125	3.500
2.625-16UN			40	44						1.750	2.188	3.375	3.812
2.750-16UN		44								1.750	2.188	3.375	3.812
2.875-16UN			44	48						1.875	2.312	3.625	4.062
3.000-16UN		48								1.875	2.312	3.625	4.062
3.125-16UN			48							1.875	2.312	3.625	4.062

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

MATING CONNECTOR CODES

TABLE I. MATING CONNECTOR CODES

CODE	CONNECTOR SPECIFICATION
AB	MIL-DTL-5015, Solder Contacts, and F80 Crimp, SCP and SCPB Series
AF	MIL-DTL-5015, Crimp Front or Rear Release Contacts SC30 thru SC39 and SC50 thru SC59 MIL-DTL-26482, Series 2, SCPT70 thru SCPT79
AK	MIL-DTL-22992, Class C & R, SWLD Series, SCP17343 thru SCP17347
AM	SWL Series
BA	MIL-DTL-26482 Series I, Solder or Crimp Front Release, SCPT and SCPC Series
BB	MIL-DTL-26482 Series 1, Class E, F & P SCPT07* and SCPT07S
BF	MIL-DTL-38999 Series I & II, SC1001, SC1466, SC1467, SC1468, SC1469, SC1470, SC1471, SC1496, SC1498, SC1505, SC1656, SC1662, SC2001, SC2472, SC2473, SC2474, SC2475, SC2476, SC2477, SC2478, SC2484, SC2497, SC2499, SC2508, SC2513
BG	MIL-DTL-38999, Series III, SC3920 thru SC3926

SHELL SIZE CODES

TABLE II. SHELL SIZE CODES

SHELL SIZE CODE	MATING CONNECTOR CODES								
	AB	AF	AK	AM	BA	BB	BF		BG
			SWLD	SWL			SERIES		
							I	II	III
08	8S	8 & 8S			8	8	9	8	
09									9
10	10S	10, 10S & 10SL		10	10	10	11	10	
11				12					11
12	10SL, 12 & 12S	12 & 12S	12	14	12	12	13	12	
13									13
14	14 & 14S	14 & 14S	14	16	14	14	15	14	
15									15
16	16 & 16S	16 & 16S	16	18	16	16	17	16	
17									17
18	18	18	18	20	18	18	19	18	
19									19
20	20	20	20	22	20	20	21	20	
21									21
22	22	22	22	24	22	22	23	22	
23									23
24	24	24	24	28	24	24	25	24	
25									25
28	28	28	28	32					
32	32	32	32	36					
36	36	36	36	40					
40	40	40	40	44					
44		44	44						
48		48	48						

TABLE III. CABLE ENTRY CODE/CABLE END FITTING DIMENSIONS

CABLE ENTRY CODE	Z FITTING THREAD	Y REF.	END FITTING A				END FITTING B & C					END FITTING D				END FITTING E	
			X ±.031	W ±.031	CLAMP RANGE		V MAX.	U MAX.	T MAX.	CLAMP RANGE		S ±.020	R ±	CLAMP RANGE		P ±.016	N ±.016
					OPEN	CLOSED				OPEN	CLOSED			OPEN	CLOSED		
03	.500-28UNEF	.250	.812	.812	.250	.156	.812	1.031	1.031	.219	.094	—	—	—	—	.625	.438
04	.625-24UNEF	.312	.875	.812	.312	.188	.938	1.031	1.375	.312	.094	.938	1.281	.312	.125	.750	.438
06	.750-20UNEF	.438	1.062	.875	.438	.281	1.062	1.031	1.375	.438	.250	1.125	1.281	.438	.250	.875	.438
08	.875-20UNEF	.562	1.156	.938	.562	.344	1.188	1.031	1.375	.531	.312	1.312	1.281	.562	.312	1.031	.438
10	1.000-20UNEF	.625	1.250	.938	.625	.375	1.312	1.094	1.438	.625	.375	1.312	1.281	.625	.350	1.156	.438
12	1.188-18UNEF	.750	1.469	.938	.750	.438	1.562	1.219	1.438	.750	.500	1.531	1.312	.750	.500	1.344	.438
16	1.438-18UNEF	.938	1.688	1.031	.938	.562	1.750	1.219	1.562	.938	.594	1.750	1.406	.938	.625	1.564	.438
20	1.750-18UNS	1.250	2.031	1.094	1.250	.750	2.250	1.344	1.812	1.250	.938	2.094	1.594	1.250	.875	1.906	.500
24	2.000-18UNS	1.375	2.281	1.156	1.375	.781	2.375	1.547	2.062	1.375	.969	2.344	1.625	1.375	1.000	2.156	.562
28	2.250-16UN	1.625	2.688	1.688	1.625	.969	2.625	1.547	2.062	1.625	1.188	2.750	1.900	1.625	1.250	2.406	.562
32	2.500-16UN	1.875	2.938	1.750	1.875	1.125	2.812	1.734	2.188	1.875	1.375	3.000	1.900	1.875	1.438	2.656	.625
40	3.000-16UN	2.375	3.500	1.750	2.375	1.469	—	—	—	—	—	—	—	—	—	3.156	.688

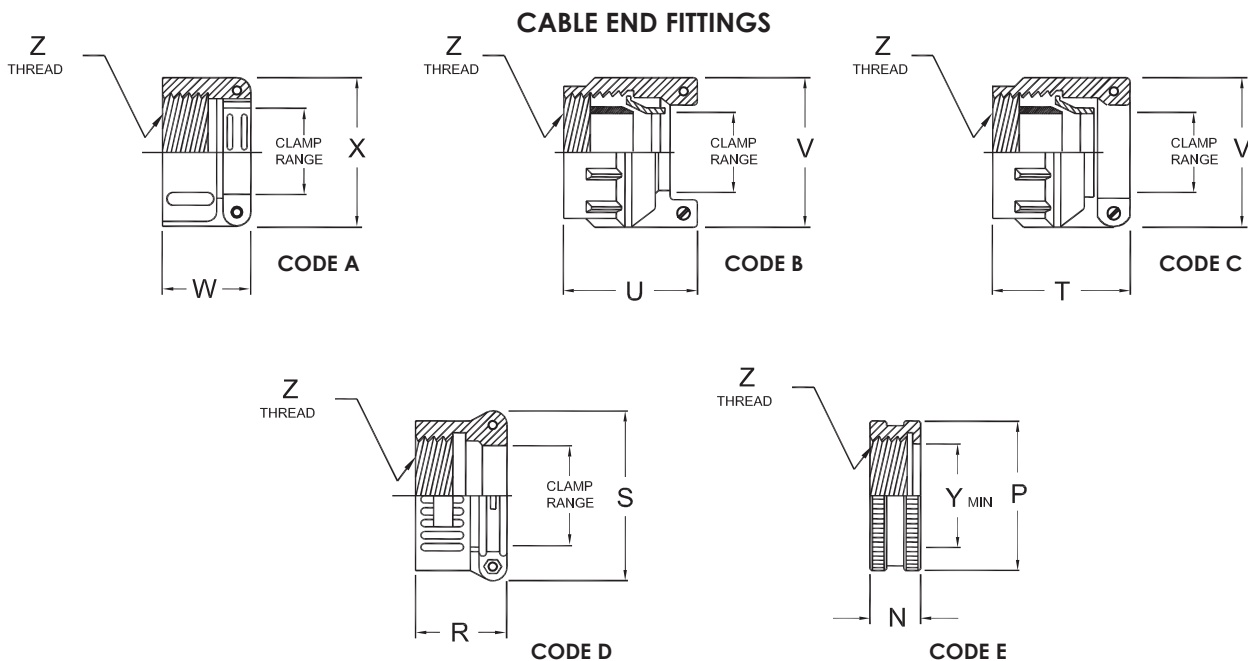


TABLE IV. FINISH CODES CONSULT FACTORY FOR OTHER AVAILABLE FINISHES

FINISH CODE	DESCRIPTION
A	Cadmium, Olive Drab, per QQ-P-416, Type II, Over Electroless Nickel, per MIL-C-26074 (1000 HOUR Salt Spray Finish)
B	Cadmium, Black, Per QQ-P-416, Type II, Class 3
C	Cadmium, Olive Drab, per Qq-P-416, Type II, Class 3
D	Cadmium - Yellow per Qq-P-416, Type II Class 3, 48 Hours
E	Cadmium - Yellow Over Nickel, 48 Hours
F	Anodize, Sulphuric, Black, per MIL-A-8625, Type II, Class 2
G	Chromium Plate, per QQ-C-320, Class 2 A, Type II
H	Anodize, Hard, Black, per MIL-A-8625, Type III, Class 2
I	Chemical Film, per MIL-C-5541
J	Cadmium, Clear, per QQ-P-416, Type II Class 3
K	Nickel, Electro Deposited, per Qq-N-290, Class 2

FINISH CODE	DESCRIPTION
L	Zinc Cobalt, Color O.D. .000050
M	Zinc Cobalt, Color Black, .000050
N	Electroless Nickel per MIL-C-26074, Class 4, Grade B
R	Anodize, Hard, Gray, per MIL-A-8625, Type III, Class 1
S	Anodize, Sulphuric, Gray per MIL-A-8625, Type II, Class 1
T	Anodize, Hard Color Blue
U	Anodize, Hard Color Red
V	Anodize, Hard Color Yellow
X	Cadmium, Bright per QQ-P-416, Type II, Over Electroless Nickel, per MIL-C-26074
Z	Anodize, Hard, Green, per MIL-A-8625, Type III, Class 1, Dichromate Seal

STRAIGHT SHIELD TERMINATION BACKSHELL

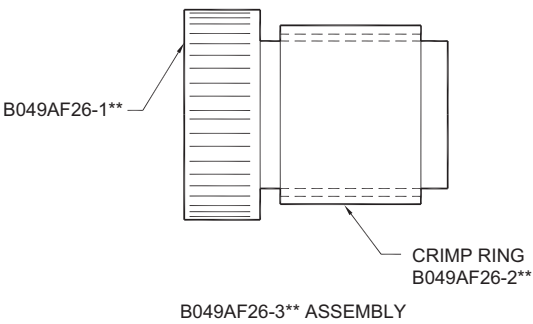
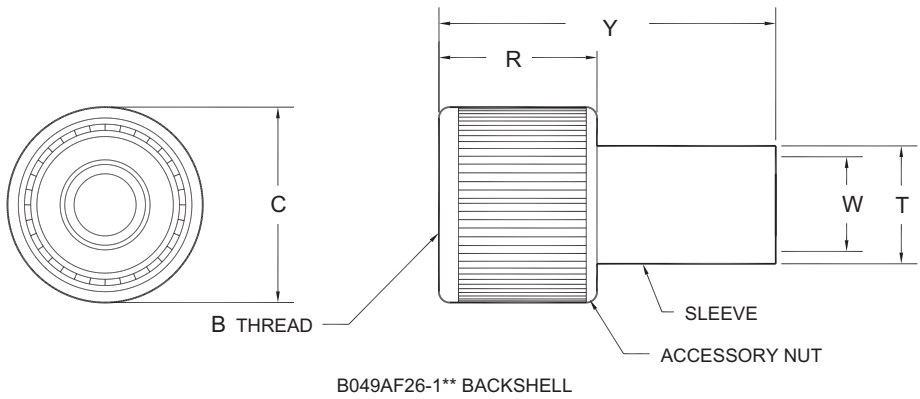
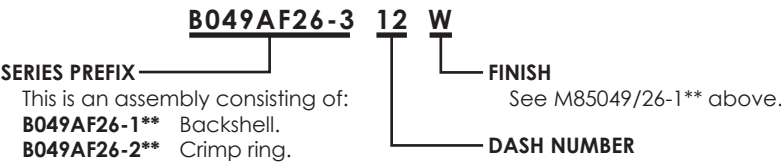
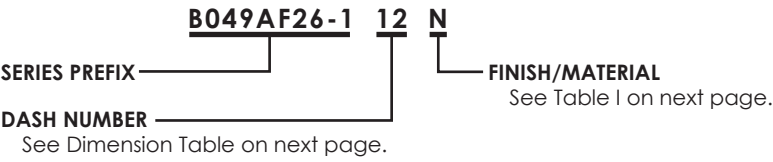
B049AF26-1

STRAIGHT SHIELD TERMINATION BACKSHELL ASSEMBLY

B049AF26-3

For MIL-DTL-5015 Series II & III & MIL-DTL-26482 Series 2

ORDERING INFORMATION



STRAIGHT SHIELD TERMINATION BACKSHELL

B049AF26-1

STRAIGHT SHIELD TERMINATION BACKSHELL ASSEMBLY

B049AF26-3

DASH NO.	FOR CONNECTOR SHELL SIZE (REF)		B THREAD CLASS 2B	ØC +.000 -.045 [+0.00] [-1.14]	R +.000 -.062 [+0.00] [-1.57]	ØT ±.010 [±0.25]	ØW ±.015 [±0.38]	Y MAX	B049AF26-2 RING, SHIELD CRIMP (REF)
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 SERIES II & III							
	MIL-DTL-83723 SERIES III								
8	8	8S	.500-20 UNF	.617 [15.67]	.540 [13.72]	.337 [8.56]	.250 [6.35]	1.277 [32.44]	-8
10	10	10S, 10SL	.625-24 UNEF	.734 [18.64]	.540 [13.72]	.488 [12.40]	.325 [8.25]	1.277 [32.44]	-10
12	12	12S, 12	.750-20 UNEF	.858 [21.79]	.540 [13.72]	.500 [12.70]	.420 [10.67]	1.277 [32.44]	-12
14	14	14S, 14	.875-20 UNEF	.984 [24.99]	.540 [13.72]	.620 [15.75]	.540 [13.72]	1.277 [32.44]	-14
16	16	16S, 16	1.000-20 UNEF	1.112 [28.24]	.540 [13.72]	.750 [19.05]	.670 [17.02]	1.277 [32.44]	-16
18	18	18	1.062-18 UNEF	1.218 [30.94]	.540 [13.72]	.880 [22.35]	.789 [20.04]	1.277 [32.44]	-18
20	20	20	1.188-18 UNEF	1.345 [34.16]	.540 [13.72]	1.000 [25.40]	.914 [23.22]	1.277 [32.44]	-20
22	22	22	1.312-18 UNEF	1.468 [37.29]	.540 [13.72]	1.120 [28.45]	1.039 [26.39]	1.277 [32.44]	-22
24	24	24	1.438-18 UNEF	1.593 [40.46]	.540 [13.72]	1.192 [30.28]	1.112 [28.24]	1.277 [32.44]	-24
28	–	28	1.750-18 UNS	1.969 [50.01]	.702 [17.83]	1.545 [39.24]	1.389 [35.28]	1.439 [36.55]	-28
32	–	32	2.000-18 UNS	2.219 [56.36]	.702 [17.83]	1.795 [45.59]	1.635 [41.53]	1.439 [36.55]	-32
36	–	36	2.250-16 UN	2.469 [62.71]	.702 [17.83]	2.045 [51.94]	1.850 [46.99]	1.439 [36.55]	-36
40	–	40	2.500-16 UN	2.719 [69.06]	.702 [17.83]	2.295 [58.29]	2.065 [52.45]	1.439 [36.55]	-40
44	–	44	2.750-16 UN	2.969 [75.41]	.702 [17.83]	2.545 [64.64]	2.320 [58.93]	1.439 [36.55]	-44
48	–	48	3.000-16 UN	3.219 [81.76]	.702 [17.83]	2.795 [70.99]	2.570 [65.28]	1.439 [36.55]	-48

8D

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

B049AF26-2

ORDERING INFORMATION

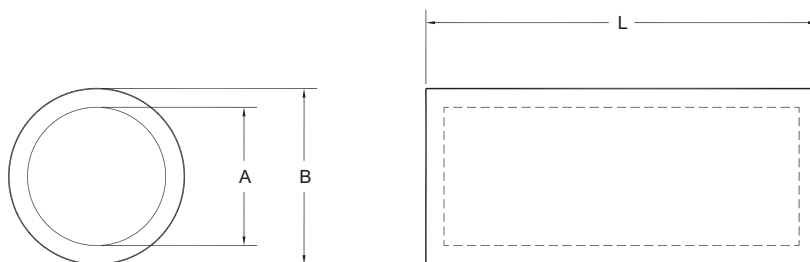
SERIES PREFIX

- DASH NUMBER

See Dimension Table below.

MATERIAL: Copper

FINISH: Tin plate



DASH NUMBER	COLOR CODE	ØA		ØB		L ±.020 [±0.51]	INSTALLING DIE
		MIN.	MAX.	MIN.	MAX.		
8	GREEN	.400 [10.16]	.410 [10.41]	.448 [11.38]	.458 [11.63]	.250 [6.35]	GS405
10	RED	.585 [14.86]	.595 [15.11]	.660 [16.76]	.680 [17.27]	.440 [11.18]	GS590
12							
14	BLUE	.705 [17.91]	.715 [18.16]	.780 [19.81]	.800 [20.32]		GS710
16	GRAY	.835 [21.21]	.845 [21.46]	.910 [23.11]	.930 [23.62]		GS840
18	BROWN	1.005 [25.53]	1.015 [25.78]	1.080 [27.43]	1.100 [27.94]		GS1010
20	GREEN	1.125 [28.57]	1.135 [28.83]	1.200 [30.48]	1.220 [30.99]		GS1130
22	PINK	1.245 [31.62]	1.255 [31.88]	1.320 [33.53]	1.340 [34.04]		GS1250
24	ORANGE	1.327 [33.70]	1.337 [33.96]	1.402 [35.61]	1.422 [36.12]		GS1332
28	RED	1.665 [42.29]	1.675 [42.54]	1.740 [44.20]	1.760 [44.70]		GS1670
32	GRAY	1.915 [48.64]	1.925 [48.89]	1.990 [50.55]	2.010 [51.05]		GS1920
36	GREEN	2.165 [54.99]	2.175 [55.24]	2.240 [56.90]	2.260 [57.40]		GS2170
40	ORANGE	2.415 [61.34]	2.425 [61.59]	2.490 [63.25]	2.510 [63.75]		GS2420
44	YELLOW	2.665 [67.69]	2.675 [67.94]	2.740 [69.60]	2.760 [70.10]	GS2670	
48	BLUE	2.915 [74.04]	2.925 [74.29]	2.990 [75.95]	3.010 [76.45]	GS2920	
61	PURPLE	1.435 [36.45]	1.445 [36.70]	1.510 [38.35]	1.530 [38.86]	GS1440	

Dimensions in brackets [] are in millimeters.

Tooling: Thomas and Betts installing Head No. 13640 with installing dies shown in the table.

STRAIGHT SELF-LOCKING SHIELD BAND TERMINATION BACKSHELL

B049AF82

For **SC30**, **SC50** & **SC70** Series
(MIL-DTL-5015 Series II & III & MIL-DTL-26482 Series 2, MIL-DTL-83723 Series III)

ORDERING INFORMATION

B049AF82 - 16 P 02

SERIES PREFIX — **ENTRY SIZE**

SHELL SIZE — **FINISH/MATERIAL**

See Dimension Table below. See Table I below.

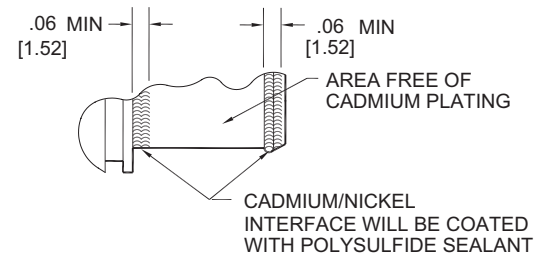
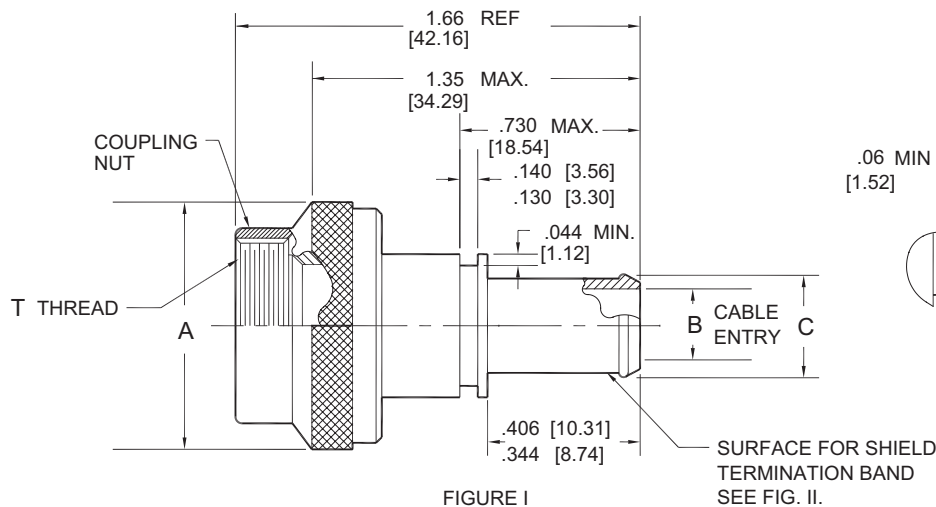


FIGURE II

ACCESSORY SHELL SIZE	FOR CONNECTOR SHELL SIZE (REF)		ØA MAX	ØB ENTRY SIZE		ØC REF.		T THREAD CLASS 2B
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 SERIES II & III		02	03	02	03	
	MIL-DTL-83723 SERIES III							
08	8	8S	.885 [22.48]	N/A	.250 [6.35]	N/A	.395 [10.03]	.500-20 UNF
10	10	10S, 10SL	1.010 [25.65]	N/A	.312 [7.92]	N/A	.457 [11.61]	.625-24 UNEF
12	12	12S, 12	1.135 [28.83]	.312 [7.92]	.438 [11.13]	.457 [11.61]	.583 [14.81]	.750-20 UNEF
14	14	14S, 14	1.260 [32.00]	.438 [11.13]	.562 [14.27]	.583 [14.81]	.707 [17.96]	.875-20 UNEF
16	16	16S, 16	1.385 [35.18]	.500 [12.70]	.625 [15.88]	.645 [16.38]	.770 [19.56]	1.000-20 UNEF
18	18	18	1.510 [38.35]	.625 [15.88]	.750 [19.05]	.770 [19.56]	.895 [22.73]	1.062-18 INEF
20	20	20	1.635 [41.53]	.625 [15.88]	.812 [20.62]	.770 [19.56]	.957 [24.31]	1.187-18 UNEF
22	22	22	1.760 [44.70]	.688 [17.48]	.938 [23.83]	.829 [21.06]	1.083 [27.51]	1.312-18 UNEF
24	24	24	1.885 [47.88]	.750 [19.05]	1.000 [25.40]	.895 [22.73]	1.145 [29.08]	1.437-18 UNEF
28	—	28	2.135 [54.23]	.875 [22.23]	1.125 [28.58]	1.020 [25.91]	1.270 [32.26]	1.750-18 UNS

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

45° SELF-LOCKING SHIELD BAND TERMINATION BACKSHELL

B049AF83

For **SC30**, **SC50** & **SC70** Series
(MIL-DTL-5015 Series II & III & MIL-DTL-26482 Series 2, MIL-DTL-83723 Series III)

ORDERING INFORMATION

B049AF83 - 16 P 02

SERIES PREFIX — **ENTRY SIZE**

SHELL SIZE — **FINISH/MATERIAL**
See Dimension Table on next page. See Table I below.

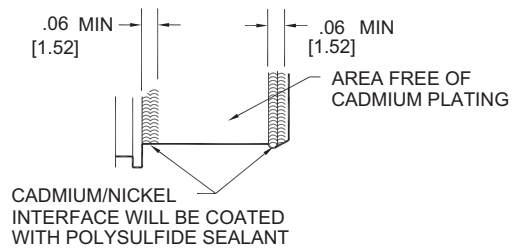
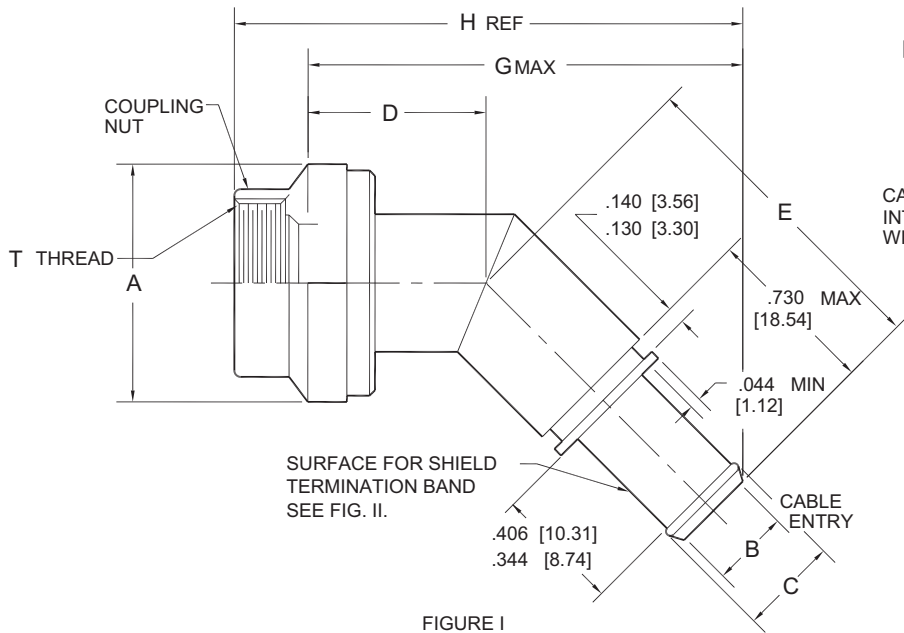


FIGURE II

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

45° SELF-LOCKING SHIELD BAND TERMINATION BACKSHELL

B049AF83

ACCESSORY SHELL SIZE	FOR CONNECTOR SHELL SIZE (REF)		ØA MAX	ØB ±.010 [±.25] ENTRY SIZE		ØC REF.		D MAX	E MAX
	MIL-DTL-64482 SERIES 2	MIL-DTL-5015 SERIES II & III		02	03	02	03		
	MIL-DTL-83723 SERIES III								
08	8	8S	.885 [22.48]	N/A	.250 [6.35]	N/A	.395 [10.03]	.87 [22.10]	1.16 [29.46]
10	10	10S, 10SL	1.010 [25.65]	N/A	.312 [7.92]	N/A	.457 [11.61]	.89 [22.61]	1.18 [29.97]
12	12	12S, 12	1.135 [28.83]	.312 [7.92]	.438 [11.13]	.457 [11.61]	.583 [14.81]	.92 [23.37]	1.20 [30.48]
14	14	14S, 14	1.260 [32.00]	.438 [11.13]	.562 [14.27]	.583 [14.81]	.707 [17.96]	.94 [23.88]	1.22 [30.99]
16	16	16S, 16	1.385 [35.18]	.500 [12.70]	.625 [15.88]	.645 [16.38]	.770 [19.56]	.96 [24.38]	1.25 [31.75]
18	18	18	1.510 [38.35]	.625 [15.88]	.750 [19.05]	.770 [19.56]	.895 [22.73]	.98 [24.89]	1.26 [32.00]
20	20	20	1.635 [41.53]	.625 [15.88]	.812 [20.62]	.770 [19.56]	.957 [24.31]	1.00 [25.40]	1.29 [32.77]
22	22	22	1.760 [44.70]	.688 [17.48]	.938 [23.83]	.829 [21.06]	1.083 [27.51]	1.03 [26.16]	1.31 [33.27]
24	24	24	1.885 [47.88]	.750 [19.05]	1.000 [25.40]	.895 [22.73]	1.145 [29.08]	1.05 [26.67]	1.34 [34.04]
28	—	28	2.135 [54.23]	.875 [22.23]	1.125 [28.58]	1.020 [25.91]	1.270 [32.26]	1.10 [27.94]	1.38 [35.05]

Dimensions in brackets [] are in millimeters.

ACCESSORY SHELL SIZE	FOR CONNECTOR SHELL SIZE (REF)		G MAX WITH C		H REF WITH C		T THREAD CLASS 2B
	MIL-DTL-66482 SERIES 2	MIL-DTL-5015 SERIES II & III	02	03	02	03	
	MIL-DTL-83723 SERIES III						
08	8	8S	N/A	1.830 [46.48]	N/A	2.135 [54.23]	.500-20 UNF
10	10	10S, 10SL	N/A	1.886 [47.90]	N/A	2.191 [55.65]	.625-24 UNEF
12	12	12S, 12	1.930 [49.02]	1.975 [50.17]	2.235 [56.77]	2.280 [57.91]	.750-20 UNEF
14	14	14S, 14	2.009 [51.03]	2.053 [52.15]	2.314 [58.78]	2.358 [59.89]	.875-20 UNEF
16	16	16S, 16	2.072 [52.63]	2.116 [53.75]	2.377 [60.38]	2.421 [61.49]	1.000-20 UNEF
18	18	18	2.143 [54.43]	2.187 [55.55]	2.448 [62.18]	2.492 [63.30]	1.062-18 INEF
20	20	20	2.184 [55.47]	2.251 [57.18]	2.489 [63.22]	2.556 [64.92]	1.187-18 UNEF
22	22	22	2.249 [57.12]	2.339 [59.41]	2.554 [64.87]	2.644 [67.16]	1.312-18 UNEF
24	24	24	2.314 [58.78]	2.402 [61.01]	2.619 [66.52]	2.707 [68.76]	1.437-18 UNEF
28	—	28	2.594 [65.89]	2.683 [68.15]	3.061 [77.75]	3.150 [80.01]	1.750-18 UNS

Dimensions in brackets [] are in millimeters.

90° SELF-LOCKING SHIELD BAND TERMINATION BACKSHELL

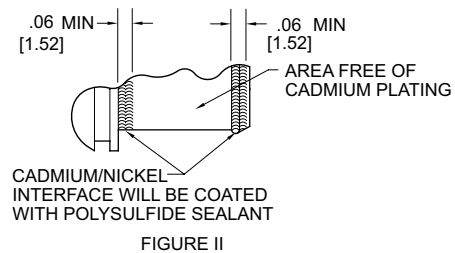
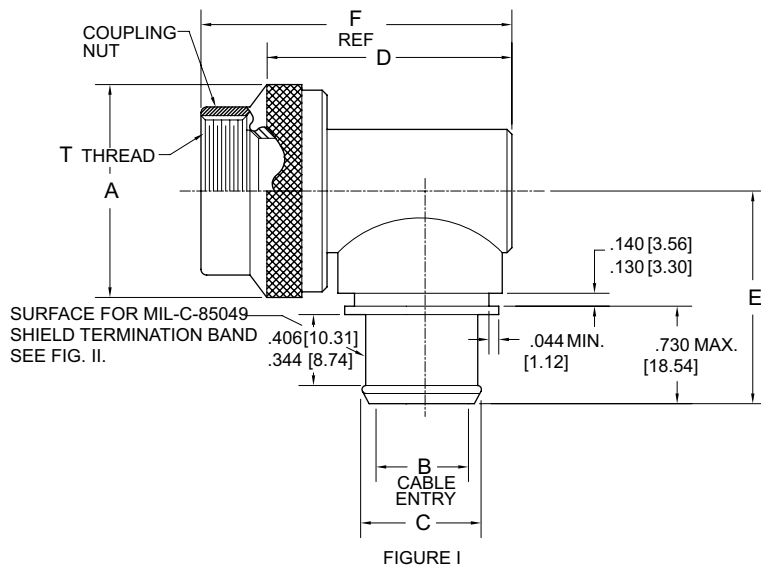
B049AF84

For **SC30**, **SC50** & **SC70** Series
(MIL-DTL-5015 Series II & III & MIL-DTL-26482 Series 2, MIL-DTL-83723 Series III)

ORDERING INFORMATION

B049AF84 - 16 P 02

SERIES PREFIX ———— ENTRY SIZE
SHELL SIZE ———— FINISH/MATERIAL
See Dimension Table below. See Table I on next page.



90° SELF-LOCKING SHIELD BAND TERMINATION BACKSHELL

B049AF84

ACCESSORY SHELL SIZE	FOR CONNECTOR SHELL SIZE (REF)		ØA MAX	ØB ±.010 [±0.25] ENTRY SIZE		ØC REF.		D MAX	E MAX	F REF	T THREAD CLASS 2B
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 SERIES II & III		02	03	02	03				
	MIL-DTL-83723 SERIES III										
08	8	8S	.885 [22.48]	N/A	.250 [6.35]	N/A	.395 [10.03]	1.188 [30.18]	1.417 [35.99]	1.497 [38.02]	.500-20 UNF
10	10	10S, 10SL	1.010 [25.65]	N/A	.312 [7.92]	N/A	.457 [11.61]	1.281 [32.54]	1.480 [37.59]	1.590 [40.39]	.625-24 UNEF
12	12	12S, 12	1.135 [28.83]	.312 [7.92]	.438 [11.13]	.457 [11.61]	.583 [14.81]	1.406 [35.71]	1.542 [39.17]	1.715 [43.56]	.750-20 UNEF
14	14	14S, 14	1.260 [32.00]	.438 [11.13]	.562 [14.27]	.583 [14.81]	.707 [17.96]	1.531 [38.89]	1.605 [40.77]	1.840 [46.74]	.875-20 UNVEF
16	16	16S, 16	1.385 [35.18]	.500 [12.70]	.625 [15.88]	.645 [16.38]	.770 [19.56]	1.656 [42.06]	1.667 [42.34]	1.965 [49.91]	1.000-20 UNEF
18	18	18	1.510 [38.35]	.625 [15.88]	.750 [19.05]	.770 [19.56]	.895 [22.73]	1.718 [43.64]	1.730 [43.94]	2.027 [51.49]	1.062-18 INEF
20	20	20	1.635 [41.53]	.625 [15.88]	.812 [20.62]	.770 [19.56]	.957 [24.31]	1.844 [46.84]	1.792 [45.52]	2.153 [54.69]	1.187-18 UNEF
22	22	22	1.750 [44.45]	.684 [17.37]	.938 [23.83]	.829 [21.06]	1.083 [27.51]	1.938 [49.23]	1.850 [46.99]	2.247 [57.07]	1.312-18 UNEF
24	24	24	1.885 [47.88]	.750 [19.05]	1.000 [25.40]	.895 [22.73]	1.145 [29.08]	2.093 [53.16]	1.917 [48.69]	2.402 [61.01]	1.437-18 UNEF
28	—	28	2.135 [54.23]	.875 [22.23]	1.125 [28.58]	1.020 [25.91]	1.270 [32.26]	2.531 [64.29]	2.042 [51.87]	3.002 [76.25]	1.750-18 UNS

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

8D

STRAIGHT SHIELD TERMINATION BACKSHELL

B049BF30

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

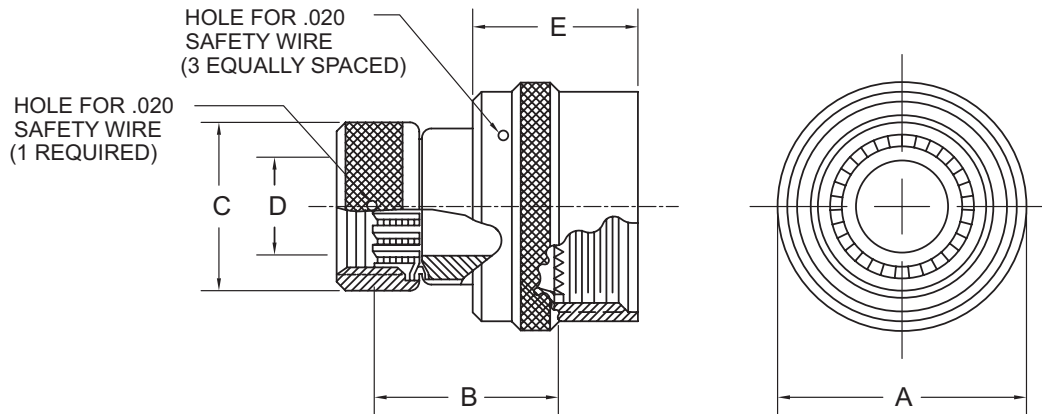
ORDERING INFORMATION

B049BF30 - 12 W

SERIES PREFIX — **FINISH/MATERIAL**
See Table I below.

DASH NUMBER —
See Dimension Table below.

EXCEPTIONS:
Ground nut assembly: Aluminum Alloy, gold iridite.
Ground spring: Gold plate



DASH NO.	MIL-DTL-38999 SHELL SIZE		ØA MAX	B MAX	ØC MAX.	ØD CABLE ENTRY MIN.	E MAX
	SERIES I	SERIES II					
8	9	8	.75 [19.05]	1.000 [25.40]	.55 [13.97]	.250 [6.35]	.54 [13.72]
10	11	10	.85 [21.59]	1.000 [25.40]	.67 [17.02]	.375 [9.52]	.54 [13.72]
12	13	12	1.00 [25.40]	1.000 [25.40]	.80 [20.32]	.500 [12.70]	.54 [13.72]
14	15	14	1.10 [27.94]	1.000 [25.40]	.92 [23.37]	.625 [15.87]	.54 [13.72]
16	17	16	1.25 [31.75]	1.000 [25.40]	1.05 [26.67]	.750 [19.05]	.54 [13.72]
18	19	18	1.40 [35.56]	1.000 [25.40]	1.17 [29.72]	.844 [21.44]	.54 [13.72]
20	21	20	1.50 [38.10]	1.000 [25.40]	1.30 [33.02]	.970 [24.64]	.54 [13.72]
22	23	22	1.65 [41.91]	1.000 [25.40]	1.42 [36.07]	1.094 [27.79]	.54 [13.72]
24	25	24	1.75 [44.45]	1.000 [25.40]	1.67 [42.42]	1.219 [30.96]	.54 [13.72]

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	



90° SHIELD TERMINATION ADAPTER

B049BF32-1

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

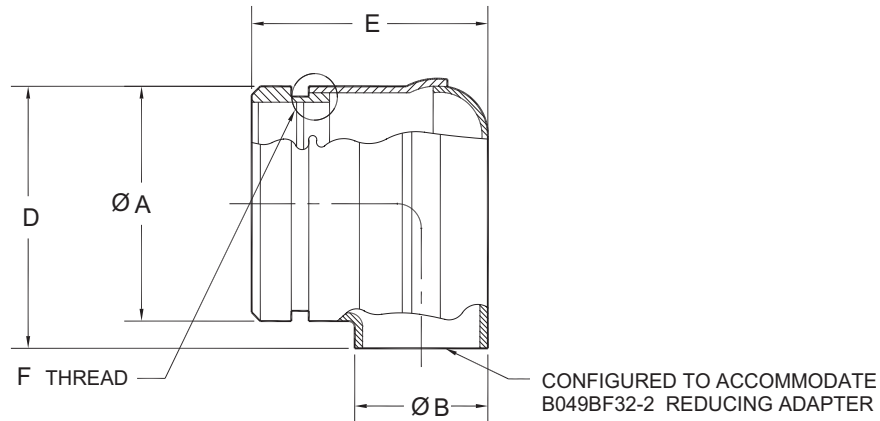
ORDERING INFORMATION

B049BF32-1 - 12

SERIES PREFIX ——— DASH NUMBER

See Dimension Table below.

MATERIAL: Copper alloy
FINISH: Tin, lead plate



DASH NUMBER	MIL-DTL-38999 SHELL SIZE		ØA MAX.	ØB MAX.	D MAX.	E MAX.	F THREAD CLASS 2B UNEF
	SERIES I	SERIES II					
8	9	8	.594 [15.09]	.359 [9.12]	.656 [16.66]	.719 [18.26]	.4375-28
10	11	10	.719 [18.26]	.406 [10.31]	.781 [19.84]	.766 [19.46]	.5625-24
12	13	12	.844 [21.44]	.500 [12.70]	.938 [23.83]	.859 [21.82]	.6875-24
14	15	14	.969 [24.61]	.578 [14.68]	1.062 [26.97]	.938 [23.83]	.8125-20
16	17	16	1.094 [27.79]	.641 [16.28]	1.219 [30.96]	1.000 [25.40]	.9375-20
18	19	18	1.219 [30.96]	.688 [17.48]	1.344 [34.14]	1.047 [26.59]	1.0625-18
20	21	20	1.344 [34.14]	.734 [18.64]	1.469 [37.31]	1.094 [27.79]	1.1875-18
22	23	22	1.469 [37.31]	.796 [20.22]	1.594 [40.49]	1.156 [29.36]	1.3125-18
24	25	24	1.594 [40.49]	.859 [21.82]	1.719 [43.66]	1.219 [30.96]	1.4375-18

Dimensions in brackets [] are in millimeters.

SHIELD TERMINATION REDUCING ADAPTER

B049BF32-2

For Use with B049BF32-1 & B049BF33-1

ORDERING INFORMATION

B049BF32-2 - 141

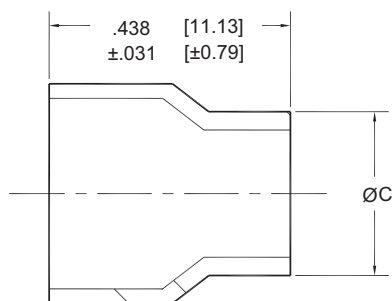
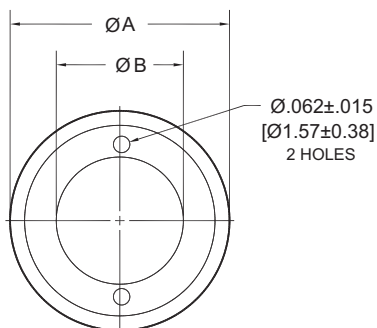
SERIES PREFIX

DASH NUMBER

See Dimension Table below.

MATERIAL: Copper alloy

FINISH: Tin, lead plate



FITS ADAPTER SHELL SIZE	DASH NUMBER	$\varnothing A$ + .001 -.005 [+0.03] [-0.13]	$\varnothing B$ + .010 -.001 [+0.25] [-0.03]	$\varnothing C$ MAX.
8	81	.219 [5.56]	.164 [4.17]	.219 [5.56]
	82	.219 [5.56]	.172 [4.37]	.234 [5.94]
	83	.219 [5.56]	.188 [4.78]	.250 [6.35]
10	101	.346 [8.79]	.217 [5.51]	.266 [6.76]
12	121	.441 [11.20]	.198 [5.03]	.250 [6.35]
	122	.441 [11.20]	.217 [5.51]	.266 [6.76]
	123	.441 [11.20]	.280 [7.11]	.328 [8.33]
14	141	.506 [12.85]	.217 [5.51]	.266 [6.76]
	142	.506 [12.85]	.290 [7.37]	.344 [8.74]
	143	.506 [12.85]	.312 [7.92]	.359 [9.12]
	144	.506 [12.85]	.343 [8.71]	.391 [9.93]
	145	.506 [12.85]	.360 [9.14]	.406 [10.31]
	146	.506 [12.85]	.387 [9.83]	.438 [11.13]
	147	.506 [12.85]	.414 [10.52]	.470 [11.93]
16	161	.571 [14.50]	.217 [5.51]	.266 [6.76]
	162	.571 [14.50]	.290 [7.37]	.344 [8.74]
	163	.571 [14.50]	.343 [8.71]	.391 [9.93]
	164	.571 [14.50]	.406 [10.31]	.453 [11.51]
	165	.571 [14.50]	.328 [8.33]	.375 [9.52]

Dimensions in brackets [] are in millimeters.

FITS ADAPTER SHELL SIZE	DASH NUMBER	$\varnothing A$ + .001 -.005 [+0.03] [-0.13]	$\varnothing B$ + .010 -.001 [+0.25] [-0.03]	$\varnothing C$ MAX.
18	181	.616 [15.65]	.271 [6.88]	.266 [6.76]
	182	.616 [15.65]	.290 [7.37]	.344 [8.74]
	183	.616 [15.65]	.343 [8.71]	.391 [9.93]
	184	.616 [15.65]	.381 [9.68]	.430 [10.92]
	185	.616 [15.65]	.451 [11.46]	.500 [12.70]
	186	—	—	—
20	201	.664 [16.87]	.328 [8.33]	.375 [9.52]
	202	.664 [16.87]	.391 [9.93]	.453 [11.51]
	203	.664 [16.87]	.445 [11.30]	.500 [12.70]
	204	.664 [16.87]	.406 [10.31]	.469 [11.91]
	205	.664 [16.87]	.484 [12.29]	.531 [13.49]
	206	.664 [16.87]	.500 [12.70]	.547 [13.89]
22	221	.738 [18.75]	.395 [10.03]	.406 [10.31]
	222	.738 [18.75]	.438 [11.13]	.484 [12.29]
	223	.738 [18.75]	.453 [11.51]	.500 [12.70]
	224	.738 [18.75]	.469 [11.91]	.516 [13.11]
	225	.738 [18.75]	.562 [14.27]	.609 [15.47]
24	241	.796 [20.22]	.594 [15.09]	.641 [16.28]

Dimensions in brackets [] are in millimeters.



STRAIGHT SHIELD TERMINATION ADAPTER

B049BF33-1

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

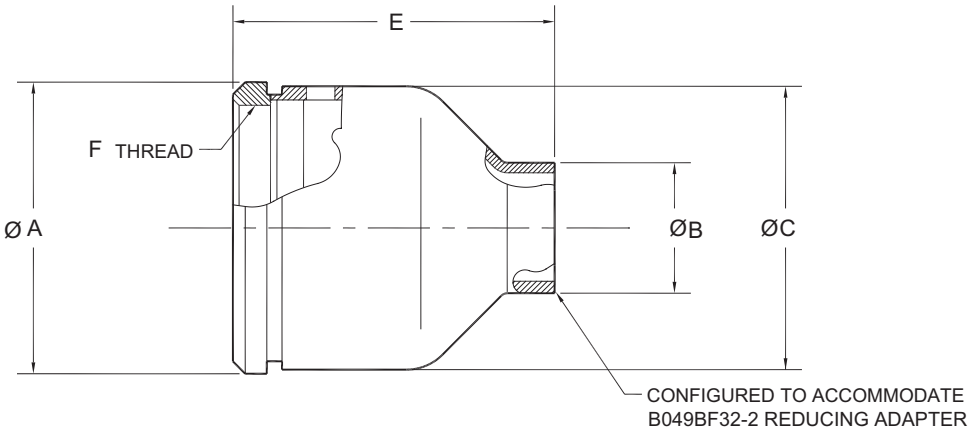
ORDERING INFORMATION

B049BF33-1 - 12

SERIES PREFIX ——— DASH NUMBER

See Dimension Table below.

MATERIAL: Copper alloy
FINISH: Tin, lead plate



DASH NUMBER	MIL-DTL-38999 SHELL SIZE		ØA MAX.	ØB MAX.	ØC MAX.	E MAX.	F THREAD CLASS 2B UNEF
	SERIES I	SERIES II					
8	9	8	.594 [15.09]	.359 [9.12]	.516 [13.11]	.844 [21.44]	.4375-28
10	11	10	.719 [18.26]	.406 [10.31]	.641 [16.28]	.969 [24.61]	.5625-24
12	13	12	.844 [21.44]	.500 [12.70]	.766 [19.46]	1.094 [27.79]	.6875-24
14	15	14	.969 [24.61]	.578 [14.68]	.891 [22.63]	1.156 [29.36]	.8125-20
16	17	16	1.094 [27.79]	.641 [16.28]	1.016 [25.81]	1.291 [32.79]	.9375-20
18	19	18	1.219 [30.96]	.688 [17.48]	1.141 [28.98]	1.344 [34.14]	1.0625-18
20	21	20	1.344 [34.14]	.734 [18.64]	1.265 [32.13]	1.469 [37.31]	1.1875-18
22	23	22	1.469 [37.31]	.796 [20.22]	1.391 [35.33]	1.594 [40.49]	1.3125-18
24	25	24	1.594 [40.49]	.859 [21.82]	1.516 [38.51]	1.719 [43.66]	1.4375-18

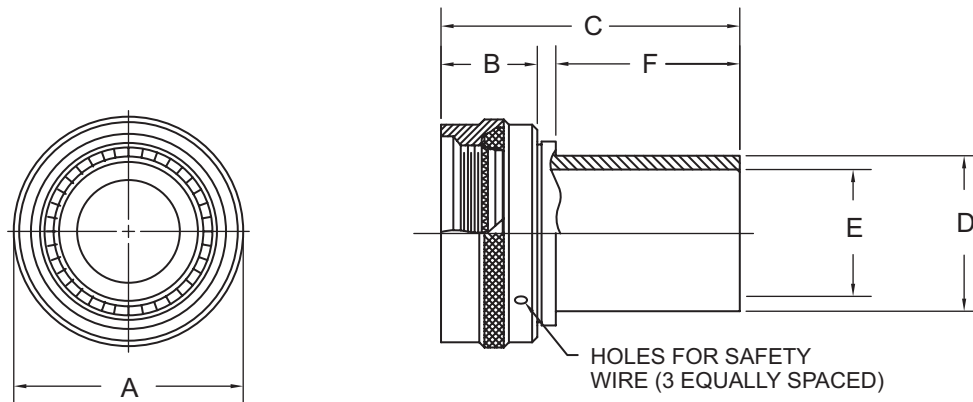
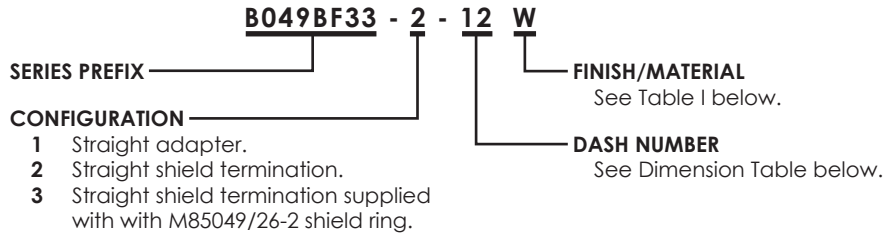
Dimensions in brackets [] are in millimeters.

STRAIGHT SHIELD TERMINATION BACKSHELL

B049BF33-2

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

ORDERING INFORMATION



DASH NUMBER	MIL-DTL-38999 SHELL SIZE		ØA MAX.	B MAX.	C MAX.	ØD MAX.	E ±.015 [±0.38]	F MIN.	USE B049AF26-2 CRIMP RING
	SERIES I	SERIES II							
8	9	8	.75 [19.05]	.54 [13.72]	1.137 [28.88]	.347 [8.81]	.250 [6.35]	.265 [6.73]	8
10	11	10	.85 [21.59]	.54 [13.72]	1.137 [28.88]	.498 [12.65]	.325 [8.25]	.343 [8.71]	10
12	13	12	1.00 [25.40]	.54 [13.72]	1.137 [28.88]	.510 [12.95]	.420 [10.67]	.437 [11.10]	12
14	15	14	1.10 [27.94]	.54 [13.72]	1.137 [28.88]	.630 [16.00]	.540 [13.72]	.562 [14.27]	14
16	17	16	1.25 [31.75]	.54 [13.72]	1.137 [28.88]	.760 [19.30]	.670 [17.02]	.687 [17.45]	16
18	19	18	1.40 [35.56]	.54 [13.72]	1.137 [28.88]	.890 [22.61]	.789 [20.04]	.812 [20.62]	18
20	21	20	1.50 [38.10]	.54 [13.72]	1.137 [28.88]	1.010 [25.65]	.914 [23.22]	.937 [23.80]	20
22	23	22	1.65 [41.91]	.54 [13.72]	1.137 [28.88]	1.130 [28.70]	1.039 [26.39]	1.046 [26.57]	22
24	25	24	1.75 [44.45]	.54 [13.72]	1.137 [28.88]	1.202 [30.53]	1.112 [28.24]	1.125 [28.57]	24

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

STRAIGHT SELF-LOCKING SHIELD BAND TERMINATION BACKSHELL

B049BF85

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

ORDERING INFORMATION

B049BF85 - 16 P 02

SERIES PREFIX — **ENTRY SIZE**

SHELL SIZE — **FINISH/MATERIAL**

See Dimension Table below. See Table I below.

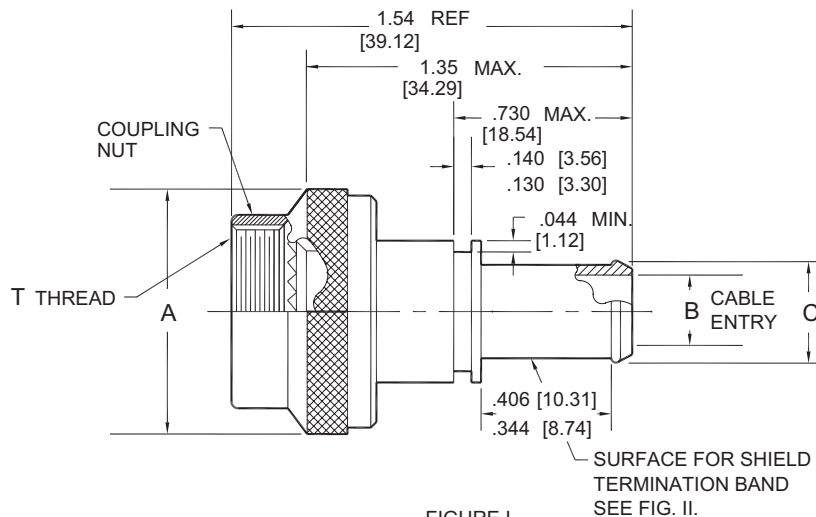


FIGURE I

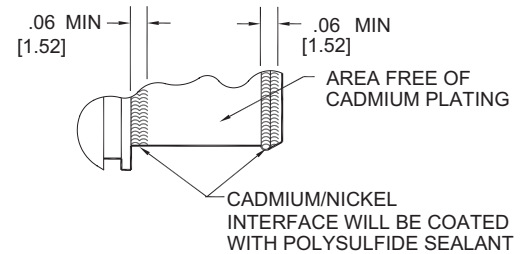


FIGURE II

ACCESSORY SHELL SIZE	MIL-DTL-38999 SHELL SIZE		ØA MAX	ØB ±.010 [±0.25] ENTRY SIZE		ØC REF.		T THREAD CLASS 2B
	SERIES I	SERIES II		01	02	01	02	
08	9	8	.859 [21.82]	N/A	.250 [6.35]	N/A	.395 [10.03]	.438-28 UNEF
10	11	10	.986 [25.04]	N/A	.312 [7.92]	N/A	.457 [11.61]	.562-24 UNEF
12	13	12	1.156 [29.36]	.312 [7.92]	.438 [11.13]	.457 [11.61]	.583 [14.81]	.688-24 UNEF
14	15	14	1.281 [32.54]	.438 [11.13]	.562 [14.27]	.583 [14.81]	.707 [17.96]	.812-20 UNEF
16	17	16	1.406 [35.71]	.500 [12.70]	.625 [15.88]	.645 [16.38]	.770 [19.56]	.938-20 UNEF
18	19	18	1.516 [38.51]	.625 [15.88]	.750 [19.05]	.770 [19.56]	.895 [22.73]	1.062-18 UNEF
20	21	20	1.641 [41.68]	.625 [15.88]	.812 [20.62]	.770 [19.56]	.957 [24.31]	1.188-18 UNEF
22	23	22	1.766 [44.86]	.688 [17.48]	.938 [23.83]	.829 [21.06]	1.083 [27.51]	1.312-18 UNEF
24	25	24	1.891 [48.03]	.750 [19.05]	1.000 [25.40]	.895 [22.73]	1.145 [29.08]	1.438-18 UNEF

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

45° SELF-LOCKING SHIELD BAND TERMINATION BACKSHELL

B049BF86

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

ORDERING INFORMATION

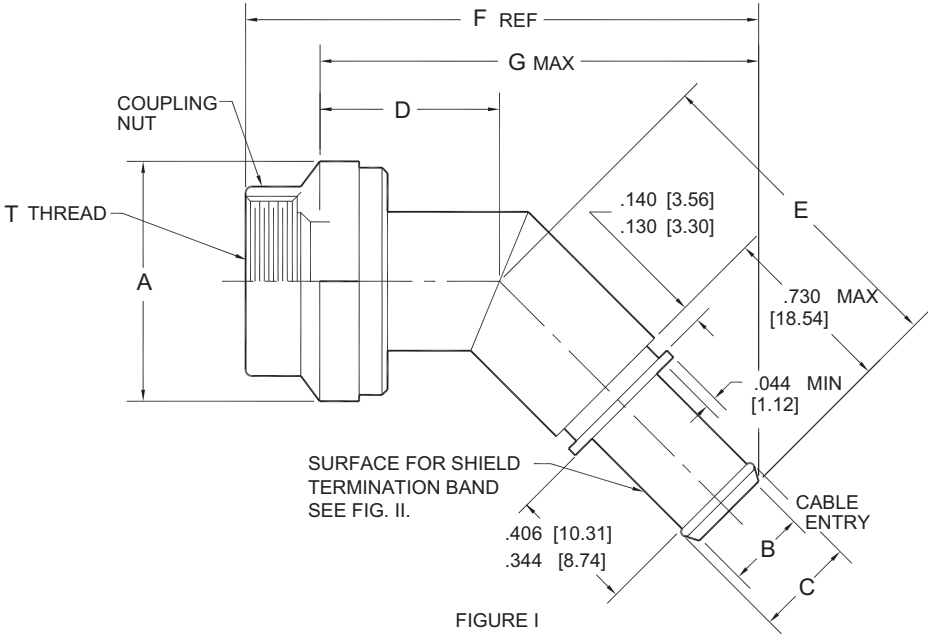
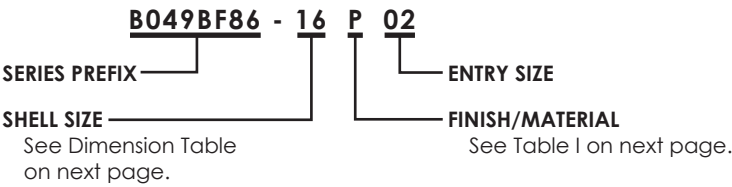


FIGURE I

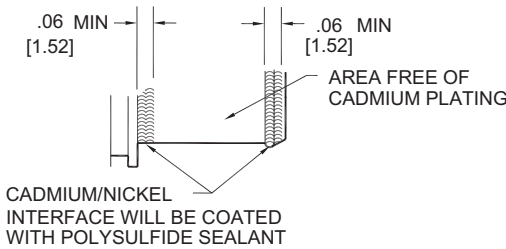


FIGURE II

45° SELF-LOCKING SHIELD BAND TERMINATION BACKSHELL

B049BF86

ACCESSORY SHELL SIZE	CONNECTOR SHELL SIZE		ØA MAX	ØB ±.010 [±.25] ENTRY SIZE		ØC REF		D MAX	E MAX
	SERIES I	SERIES II		02	03	02	03		
08	9	8	.859 [21.82]	N/A	.250 [6.35]	N/A	.395 [10.03]	.87 [22.10]	1.16 [29.46]
10	11	10	.984 [24.99]	N/A	.312 [7.92]	N/A	.457 [11.61]	.90 [22.86]	1.19 [30.23]
12	13	12	1.156 [29.36]	.312 [7.92]	.438 [11.13]	.457 [11.61]	.583 [14.81]	.92 [23.37]	1.21 [30.73]
14	15	14	1.281 [32.54]	.438 [11.13]	.562 [14.27]	.583 [14.81]	.707 [17.96]	.95 [24.13]	1.24 [31.50]
16	17	16	1.406 [35.71]	.500 [12.70]	.625 [15.88]	.645 [16.38]	.770 [19.56]	.98 [24.89]	1.26 [32.00]
18	19	18	1.516 [38.51]	.625 [15.88]	.750 [19.05]	.770 [19.56]	.895 [22.73]	.98 [24.89]	1.27 [32.26]
20	21	20	1.641 [41.68]	.625 [15.88]	.812 [20.62]	.770 [19.56]	.957 [24.31]	1.01 [25.65]	1.30 [33.02]
22	23	22	1.766 [44.86]	.688 [17.48]	.938 [23.83]	.829 [21.06]	1.083 [27.51]	1.04 [26.42]	1.33 [33.78]
24	25	24	1.891 [48.03]	.750 [19.05]	1.000 [25.40]	.895 [22.73]	1.145 [29.08]	1.07 [27.18]	1.35 [34.29]

Dimensions in brackets [] are in millimeters.

ACCESSORY SHELL SIZE	CONNECTOR SHELL SIZE		F REF.		G MAX		T THREAD CLASS 2B
	SERIES I	SERIES II	02	03	02	03	
08	9	8	1.878 [47.70]	2.018 [51.26]	1.690 [42.93]	1.830 [46.48]	.438-28 UNEF
10	11	10	1.929 [49.00]	2.091 [53.11]	1.741 [44.22]	1.903 [48.34]	.562-24 UNEF
12	13	12	2.125 [53.98]	2.170 [55.12]	1.937 [49.20]	1.982 [50.34]	.688-24 UNEF
14	15	14	2.221 [56.41]	2.265 [57.53]	2.033 [51.64]	2.077 [52.76]	.812-20 UNEF
16	17	16	2.287 [58.09]	2.331 [59.21]	2.099 [53.31]	2.143 [54.43]	.938-20 UNEF
18	19	18	2.338 [59.39]	2.382 [60.50]	2.150 [54.61]	2.194 [55.73]	1.062-18 UNEF
20	21	20	2.389 [60.68]	2.456 [62.38]	2.201 [55.91]	2.268 [57.61]	1.188-18 UNEF
22	23	22	2.462 [62.53]	2.551 [64.80]	2.274 [57.76]	2.363 [60.02]	1.312-18 UNEF
24	25	24	2.529 [64.24]	2.617 [66.47]	2.341 [59.46]	2.429 [61.70]	1.438-18 UNEF

Dimensions in brackets [] are in millimeters.

8D

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

90° SELF-LOCKING SHIELD BAND TERMINATION BACKSHELL

B049BF87

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

ORDERING INFORMATION

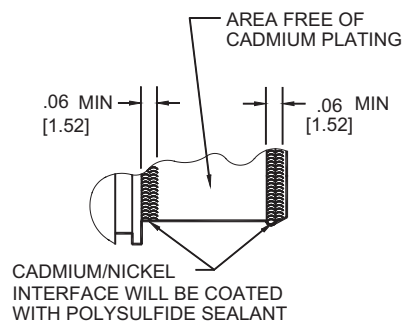
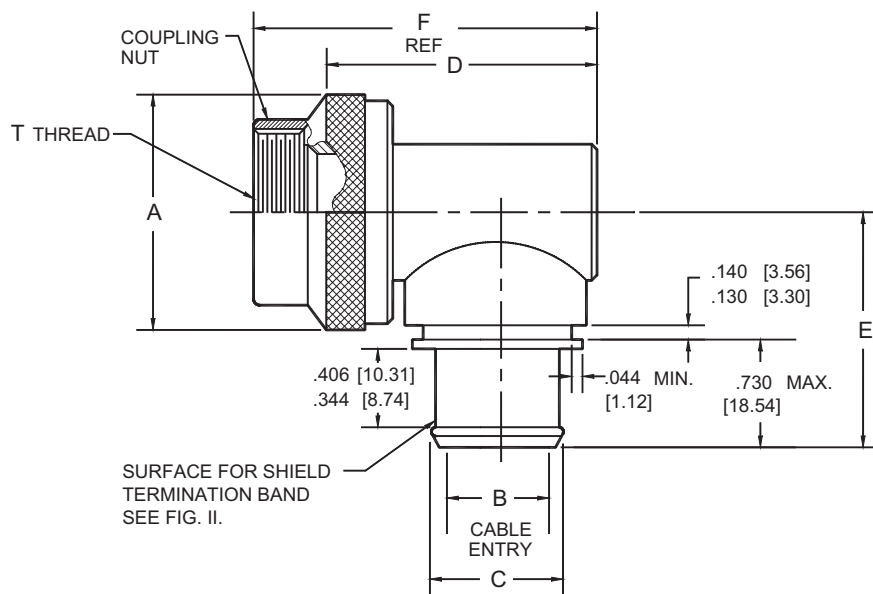
B049BF87 - 16 P 02

SERIES PREFIX — **ENTRY SIZE**

SHELL SIZE — **FINISH/MATERIAL**

See Dimension Table on next page.

See Table I on next page.



90° SELF-LOCKING SHIELD BAND TERMINATION BACKSHELL

B049BF87

ACCESSORY SHELL SIZE	CONNECTOR SHELL SIZE		ØA MAX	ØB ±.010 [±0.25] ENTRY SIZE		ØC REF.		D MAX	E MAX	F REF	T THREAD CLASS 2B
	SERIES I	SERIES II		02	03	02	03				
08	9	8	.858 [21.79]	N/A	.250 [6.35]	N/A	.395 [10.03]	1.375 [34.93]	1.417 [35.99]	1.563 [39.70]	.438-28 UNEF
10	11	10	.984 [24.99]	N/A	.312 [7.92]	N/A	.457 [11.61]	1.437 [36.50]	1.480 [37.59]	1.625 [41.28]	.562-24 UNEF
12	13	12	1.157 [29.39]	.312 [7.92]	.438 [11.13]	.457 [11.61]	.583 [14.81]	1.562 [39.67]	1.553 [39.45]	1.750 [44.45]	.688-24 UNEF
14	15	14	1.279 [32.49]	.438 [11.13]	.562 [14.27]	.583 [14.81]	.707 [17.96]	1.687 [42.85]	1.614 [41.00]	1.875 [47.63]	.812-20 UNEF
16	17	16	1.406 [35.71]	.500 [12.70]	.625 [15.88]	.645 [16.38]	.770 [19.56]	1.750 [44.45]	1.678 [42.62]	1.938 [49.23]	.938-20 UNEF
18	19	18	1.516 [38.51]	.625 [15.88]	.750 [19.05]	.770 [19.56]	.895 [22.73]	1.875 [47.63]	1.733 [44.02]	2.063 [52.40]	1.062-18 UNEF
20	21	20	1.642 [41.71]	.625 [15.88]	.812 [20.62]	.770 [19.56]	.957 [24.31]	1.938 [49.23]	1.796 [45.62]	2.126 [54.00]	1.188-18 UNEF
22	23	22	1.768 [44.91]	.684 [17.37]	.938 [23.83]	.829 [21.06]	1.083 [27.51]	2.062 [52.37]	1.859 [47.22]	2.250 [57.15]	1.312-18 UNEF
24	25	24	1.889 [47.98]	.750 [19.05]	1.000 [25.40]	.895 [22.73]	1.145 [29.08]	2.125 [53.98]	1.919 [48.74]	2.313 [58.75]	1.438-18 UNEF

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

8D

STRAIGHT SHIELD TERMINATION BACKSHELL

B049BG20

For **SC3*** Series (MIL-DTL-38999 Series III)

ORDERING INFORMATION

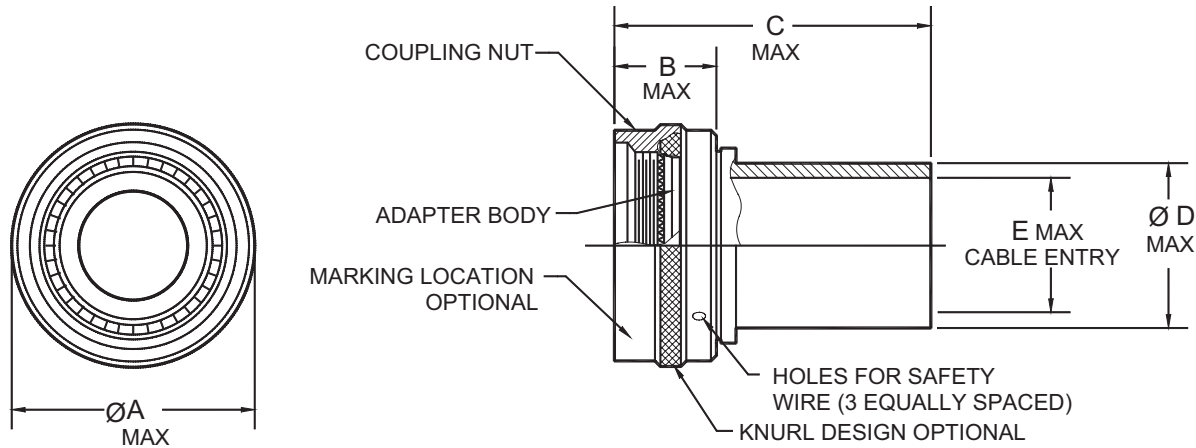
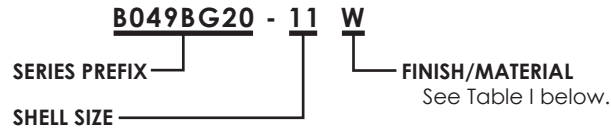


TABLE I - AVAILABLE FINISHES

SHELL SIZE	ØA MAX.	B MAX	C MAX	ØD MAX	E MAX. CABLE ENTRY	B049AF*-2 RING, SHIELD CRIMP (REF)
9	.75 [19.05]	.540 [13.72]	1.287 [32.69]	.347 [8.81]	.265 [6.73]	-8
11	.85 [21.59]	.540 [13.72]	1.287 [32.69]	.498 [12.65]	.343 [8.71]	-10
13	1.00 [25.40]	.540 [13.72]	1.287 [32.69]	.510 [12.95]	.437 [11.10]	-12
15	1.10 [27.94]	.540 [13.72]	1.287 [32.69]	.630 [16.00]	.562 [14.27]	-14
17	1.25 [31.75]	.540 [13.72]	1.287 [32.69]	.760 [19.30]	.687 [17.45]	-16
19	1.40 [35.56]	.540 [13.72]	1.287 [32.69]	.890 [22.61]	.812 [20.62]	-18
21	1.50 [38.10]	.540 [13.72]	1.287 [32.69]	1.010 [25.65]	.937 [23.80]	-20
23	1.65 [41.91]	.540 [13.72]	1.287 [32.69]	1.130 [28.70]	1.046 [26.57]	-22
25	1.75 [44.45]	.540 [13.72]	1.287 [32.69]	1.202 [30.53]	1.125 [28.57]	-24

Dimensions in brackets [] are in millimeters.

CODE	FINISH	MATERIAL
G	Electroless Nickel (See Note 1) (Space Grade)	Aluminum Alloy
N	Electroless Nickel (See Note 1)	
P	Cadmium Olive Drab over Electroless Nickel (Selective Plating, see Figure II)	
W	Cadmium Olive Drab (See Note 2)	
X	Nickel Fluorocarbon Polymer	
Z	Zinc Nickel	
YP	Pure Dense Electrodeposited Aluminum	
ZP	Zinc Nickel (Selective Plating, see Figure II)	Composite
J	Cadmium Olive Drab	
L	Cadmium Olive Drab over Electroless Nickel (Selective Plating, see Figure II)	
M	Electroless Nickel	
XC	Nickel Fluorocarbon Polymer	
YL	Pure Dense Electrodeposited Aluminum (Selective Plating, see Figure II)	
ZC	Zinc Nickel	
ZL	Zinc Nickel (Selective Plating, see Figure II)	

1. Not for Navy use, restricted for Air Force space applications only.

2. P, W, Z and ZP finish not for use in space applications. Also see specification notes.



STRAIGHT SELF-LOCKING SHIELD BAND TERMINATION BACKSHELL

B049BG88

For **SC3*** Series (MIL-DTL-38999 Series III)

ORDERING INFORMATION

B049BG88 - 15 P 02

SERIES PREFIX ————
SHELL SIZE ————
See Dimension Table below.

ENTRY SIZE ————
FINISH/MATERIAL ————
See Table I below.

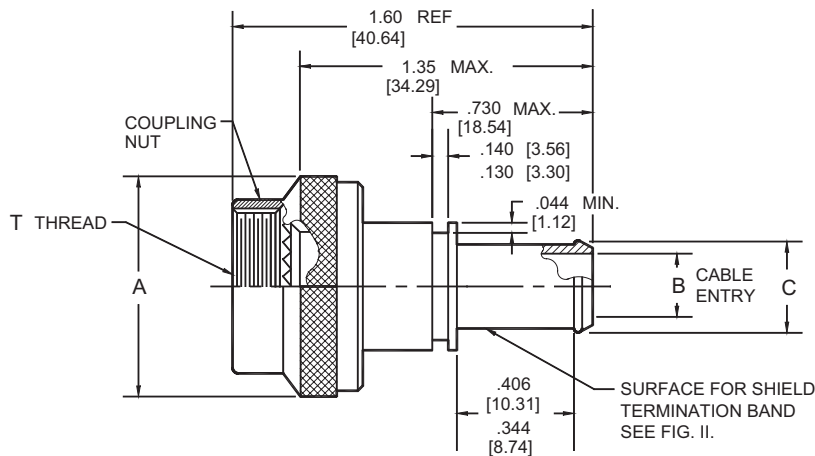


FIGURE I

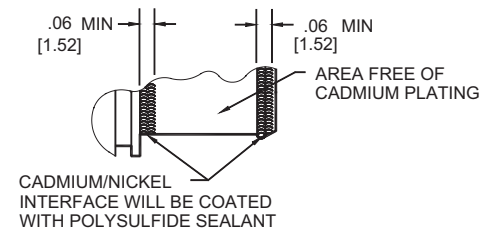


FIGURE II

TABLE I - AVAILABLE FINISHES

ACCESS. SHELL SIZE	SHELL SIZE CODE (REF)	ØA MAX	ØB +0.025 -0.010 [+0.64 -0.25] ENTRY SIZE		ØC REF.		T THREAD ISO METRIC
			02	03	02	03	
9	A	.858 [21.79]	N/A	.250 [6.35]	N/A	.395 [10.03]	M12 X 1-6H
11	B	.984 [24.99]	N/A	.312 [7.92]	N/A	.457 [11.61]	M15 X 1-6H
13	C	1.157 [29.39]	.312 [7.92]	.438 [11.13]	.457 [11.61]	.583 [14.81]	M18 X 1-6H
15	D	1.279 [32.49]	.438 [11.13]	.562 [14.27]	.583 [14.81]	.707 [17.96]	M22 X 1-6H
17	E	1.406 [35.71]	.500 [12.70]	.625 [15.88]	.645 [16.38]	.770 [19.56]	M25 X 1-6H
19	F	1.516 [38.51]	.625 [15.88]	.750 [19.05]	.770 [19.56]	.895 [22.73]	M28 X 1-6H
21	G	1.642 [41.71]	.625 [15.88]	.812 [20.62]	.770 [19.56]	.957 [24.31]	M31 X 1-6H
23	H	1.768 [44.91]	.688 [17.48]	.938 [23.83]	.829 [21.06]	1.083 [27.51]	M34 X 1-6H
25	J	1.889 [47.98]	.750 [19.05]	1.000 [25.40]	.895 [22.73]	1.145 [29.08]	M37 X 1-6H

CODE	FINISH	MATERIAL
G	Electroless Nickel (See Note 1) (Space Grade)	Aluminum Alloy
N	Electroless Nickel (See Note 1)	
P	Cadmium Olive Drab over Electroless Nickel (Selective Plating, see Figure II)	
W	Cadmium Olive Drab (See Note 2)	
X	Nickel Fluorocarbon Polymer	
Z	Zinc Nickel	
YP	Pure Dense Electrodeposited Aluminum	
ZP	Zinc Nickel (Selective Plating, see Figure II)	Composite
J	Cadmium Olive Drab	
L	Cadmium Olive Drab over Electroless Nickel (Selective Plating, see Figure II)	
M	Electroless Nickel	
XC	Nickel Fluorocarbon Polymer	
YL	Pure Dense Electrodeposited Aluminum (Selective Plating, see Figure II)	
ZC	Zinc Nickel	
ZL	Zinc Nickel (Selective Plating, see Figure II)	

Dimensions in brackets [] are in millimeters.

1. Not for Navy use, restricted for Air Force space applications only.
2. P, W, Z and ZP finish not for use in space applications. Also see specification notes.

45° SELF-LOCKING SHIELD BAND TERMINATION BACKSHELL

B049BG89

For **SC3*** Series (MIL-DTL-38999 Series III)

ORDERING INFORMATION

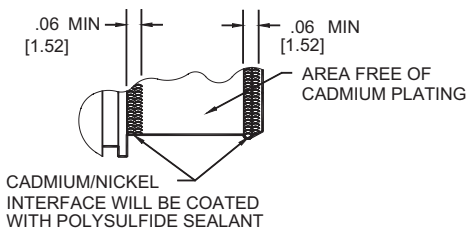
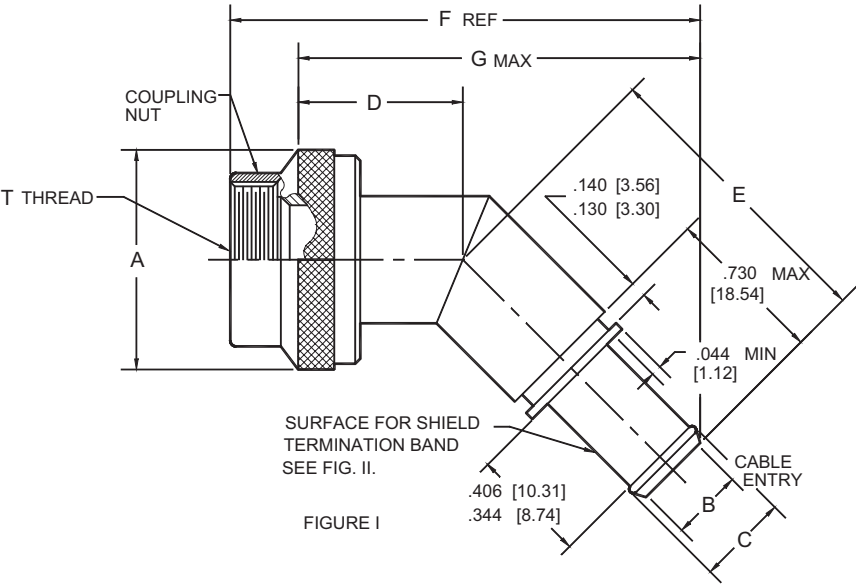
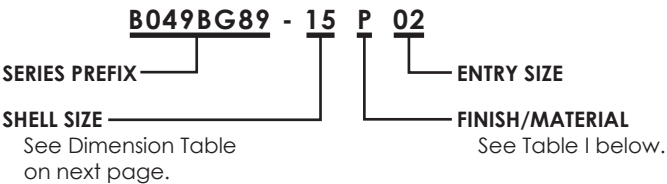


TABLE I - AVAILABLE FINISHES

CODE	FINISH	MATERIAL
G	Electroless Nickel (See Note 1) (Space Grade)	Aluminum Alloy
N	Electroless Nickel (See Note 1)	
P	Cadmium Olive Drab over Electroless Nickel (Selective Plating, see Figure II)	
W	Cadmium Olive Drab (See Note 2)	
X	Nickel Fluorocarbon Polymer	
Z	Zinc Nickel	
YP	Pure Dense Electrodeposited Aluminum	
ZP	Zinc Nickel (Selective Plating, see Figure II)	Composite
J	Cadmium Olive Drab	
L	Cadmium Olive Drab over Electroless Nickel (Selective Plating, see Figure II)	
M	Electroless Nickel	
XC	Nickel Fluorocarbon Polymer	
YL	Pure Dense Electrodeposited Aluminum (Selective Plating, see Figure II)	
ZC	Zinc Nickel	
ZL	Zinc Nickel (Selective Plating, see Figure II)	

1. Not for Navy use, restricted for Air Force space applications only.
2. P, W, Z and ZP finish not for use in space applications. Also see specification notes.

45° SELF-LOCKING SHIELD BAND TERMINATION BACKSHELL

B049BG89

ACCESSORY SHELL SIZE	SHELL SIZE CODE (REF)	ØA MAX	ØB +.025 -.010 [+.064 -.025] ENTRY SIZE		ØC REF.		D MAX	E MAX
			02	03	02	03		
9	A	.858 [21.79]	N/A	.250 [6.35]	N/A	.395 [10.03]	1.01 [25.65]	1.16 [29.46]
11	B	.984 [24.99]	N/A	.312 [7.92]	N/A	.457 [11.61]	1.03 [26.16]	1.19 [30.23]
13	C	1.157 [29.39]	.312 [7.92]	.438 [11.13]	.457 [11.61]	.583 [14.81]	1.06 [26.92]	1.21 [30.73]
15	D	1.279 [32.49]	.438 [11.13]	.562 [14.27]	.583 [14.81]	.707 [17.96]	1.08 [27.43]	1.24 [31.50]
17	E	1.406 [35.71]	.500 [12.70]	.625 [15.88]	.645 [16.38]	.770 [19.56]	1.11 [28.19]	1.26 [32.00]
19	F	1.516 [38.51]	.625 [15.88]	.750 [19.05]	.770 [19.56]	.895 [22.73]	1.12 [28.45]	1.27 [32.26]
21	G	1.642 [41.71]	.625 [15.88]	.812 [20.62]	.770 [19.56]	.957 [24.31]	1.15 [29.21]	1.30 [33.02]
23	H	1.768 [44.91]	.688 [17.48]	.938 [23.83]	.829 [21.06]	1.083 [27.51]	1.17 [29.72]	1.33 [33.78]
25	J	1.889 [47.98]	.750 [19.05]	1.000 [25.40]	.895 [22.73]	1.145 [29.08]	1.20 [30.48]	1.35 [34.29]

Dimensions in brackets [] are in millimeters.

ACCESSORY SHELL SIZE	SHELL SIZE CODE (REF)	F REF OC		G MAX OC		T THREAD ISO METRIC
		02	03	02	03	
9	A	N/A	2.218 [56.34]	N/A	1.970 [50.04]	M12 X 1-6H
11	B	N/A	2.281 [57.94]	N/A	2.033 [51.64]	M15 X 1-6H
13	C	2.325 [59.06]	2.370 [60.20]	2.077 [52.76]	2.122 [53.90]	M18 X 1-6H
15	D	2.411 [61.24]	2.455 [62.36]	2.163 [54.94]	2.207 [56.06]	M22 X 1-6H
17	E	2.477 [62.92]	2.521 [64.03]	2.229 [56.62]	2.273 [57.73]	M25 X 1-6H
19	F	2.538 [64.47]	2.528 [64.21]	2.290 [58.17]	2.334 [59.28]	M28 X 1-6H
21	G	2.589 [65.76]	2.656 [67.46]	2.341 [59.46]	2.408 [61.16]	M31 X 1-6H
23	H	2.652 [67.36]	2.741 [69.62]	2.404 [61.06]	2.493 [63.32]	M34 X 1-6H
25	J	2.719 [69.06]	2.807 [71.30]	2.471 [62.76]	2.559 [65.00]	M37 X 1-6H

Dimensions in brackets [] are in millimeters.

8D

90° SELF-LOCKING SHIELD BAND TERMINATION BACKSHELL

B049BG90

For **SC3*** Series (MIL-DTL-38999 Series III)

ORDERING INFORMATION

B049BG90 - 15 P 02

SERIES PREFIX — **ENTRY SIZE**

SHELL SIZE — **FINISH/MATERIAL**

See Dimension Table below. See Table I below.

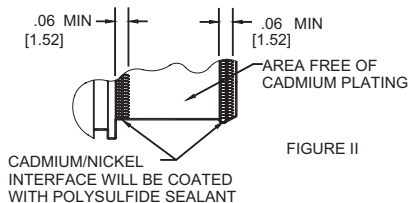
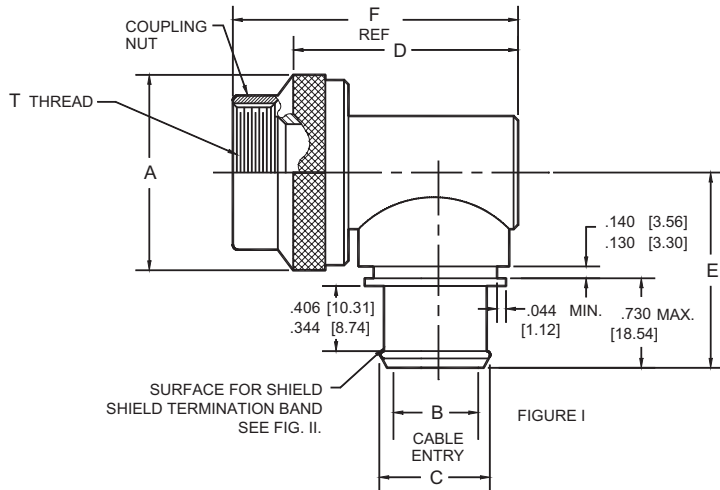


TABLE I - AVAILABLE FINISHES

CODE	FINISH	MATERIAL
G	Electroless Nickel (See Note 1) (Space Grade)	Aluminum Alloy
N	Electroless Nickel (See Note 1)	
P	Cadmium Olive Drab over Electroless Nickel (Selective Plating, see Figure II)	
W	Cadmium Olive Drab (See Note 2)	
X	Nickel Fluorocarbon Polymer	
Z	Zinc Nickel	
YP	Pure Dense Electrodeposited Aluminum	
ZP	Zinc Nickel (Selective Plating, see Figure II)	Composite
J	Cadmium Olive Drab	
L	Cadmium Olive Drab over Electroless Nickel (Selective Plating, see Figure II)	
M	Electroless Nickel	
XC	Nickel Fluorocarbon Polymer	
YL	Pure Dense Electrodeposited Aluminum (Selective Plating, see Figure II)	
ZC	Zinc Nickel	
ZL	Zinc Nickel (Selective Plating, see Figure II)	

- Not for Navy use, restricted for Air Force space applications only.
- P, W, Z and ZP finish not for use in space applications. Also see specification notes.

ACCESSORY SHELL SIZE	SHELL SIZE CODE (REF)	ØA MAX	ØB +.025 -.010 [+.064 -.025] ENTRY SIZE		ØC REF.		D MAX	E MAX	F REF	T THREAD ISO METRIC
			02	03	02	03				
9	A	.858 [21.79]	N/A	.250 [6.35]	N/A	.395 [10.03]	1.375 [34.93]	1.417 [35.99]	1.623 [41.22]	M12 X 1-6H
11	B	.984 [24.99]	N/A	.312 [7.92]	N/A	.457 [11.61]	1.437 [36.50]	1.480 [37.59]	1.685 [42.80]	M15 X 1-6H
13	C	1.157 [29.39]	.312 [7.92]	.438 [11.13]	.457 [11.61]	.583 [14.81]	1.562 [39.67]	1.553 [39.45]	1.810 [45.97]	M18 X 1-6H
15	D	1.279 [32.49]	.438 [11.13]	.562 [14.27]	.583 [14.81]	.707 [17.96]	1.687 [42.85]	1.614 [41.00]	1.935 [49.15]	M22 X 1-6H
17	E	1.406 [35.71]	.500 [12.70]	.625 [15.88]	.645 [16.38]	.770 [19.56]	1.750 [44.45]	1.678 [42.62]	1.998 [50.75]	M25 X 1-6H
19	F	1.516 [38.51]	.625 [15.88]	.750 [19.05]	.770 [19.56]	.895 [22.73]	1.875 [47.63]	1.773 [45.03]	2.123 [53.92]	M28 X 1-6H
21	G	1.642 [41.71]	.625 [15.88]	.812 [20.62]	.770 [19.56]	.957 [24.31]	1.938 [49.23]	1.796 [45.62]	2.186 [55.52]	M31 X 1-6H
23	H	1.768 [44.91]	.688 [17.48]	.938 [23.83]	.829 [21.06]	1.083 [27.51]	2.062 [52.37]	1.859 [47.22]	2.310 [58.67]	M34 X 1-6H
25	J	1.889 [47.98]	.750 [19.05]	1.000 [25.40]	.895 [22.73]	1.145 [29.08]	2.125 [53.98]	1.919 [48.74]	2.373 [60.27]	M37 X 1-6H

Dimensions in brackets [] are in millimeters.

COMPOSITE SPLIT SUPPORT RING

B049BG93

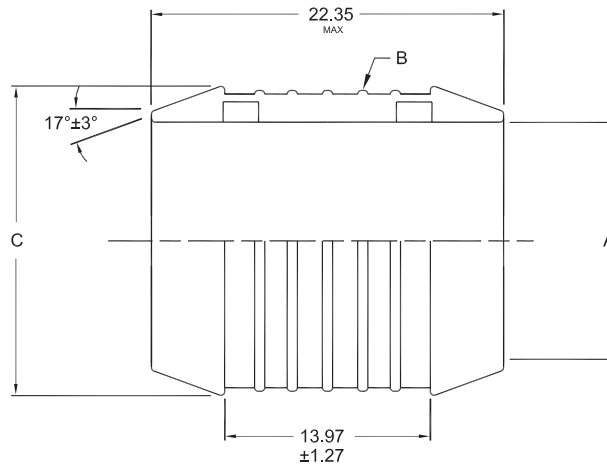
ORDERING INFORMATION

B049BG93 - 14

SERIES PREFIX

DASH NUMBER

See table below.



DASH	A ±0.254 [±6.45] DIA	B ±0.762 [±19.35] DIA	C ±0.254 [±6.45] DIA
04	0.250 [6.35]	0.360 [9.14]	0.404 [10.26]
06	0.375 [9.52]	0.485 [12.32]	0.529 [13.44]
08	0.500 [12.70]	0.610 [15.49]	0.654 [16.61]
10	0.625 [15.88]	0.735 [18.67]	0.779 [19.79]
12	0.750 [19.05]	0.860 [21.84]	0.904 [22.96]
14	0.875 [22.22]	0.985 [25.02]	1.029 [26.14]
16	1.000 [25.40]	1.110 [28.19]	1.154 [29.31]
18	1.125 [28.58]	1.235 [31.37]	1.279 [32.49]
20	1.250 [31.75]	1.360 [34.54]	1.404 [35.66]
22	1.375 [34.92]	1.485 [37.72]	1.529 [38.84]
24	1.500 [38.10]	1.610 [40.89]	1.654 [42.01]
26	1.625 [41.28]	1.735 [44.07]	1.779 [45.19]
28	1.750 [44.45]	1.860 [47.24]	1.904 [48.36]

Dimensions in brackets [] are in millimeters.

8D

TERMINATION BANDS

These Bands are commonly used to attach a braid or a shield to a backshell. They come in two shapes: Coiled or flat.

To provide our customers with a cost effective solution, Spacecraft Components now manufactures Termination Bands and is qualified to the M85049/128 specification.

Shown below is a summary of the various bands and their respective tools.

ELECTRO-ADAPTER	SHAPE	SIZE	SCP P/N	MILITARY REFERENCE	ELECTRO-ADAPTER TOOL	DANIELS TOOL	MILITARY TOOL
214LF002	Flat	.245 x 14.0	SCPSE-02F	M85049/128-1	EAK214-25▲	DBS-1101▲	M81306/2-01▲
214L0002	Coiled		SCPSE-02C	M85049/128-2			

BAND-IT	SHAPE	SIZE	SCP P/N	MILITARY REFERENCE	BAND-IT TOOLS	DANIELS TOOLS	GLENAIR TOOLS	MILITARY TOOLS
A10089	Flat	.242 x 14.25	SCPBE-02F	M85049/128-3	A40199●	DBS-1101▲ DBS-2100●	600-058●	M81306/1-01●
A10088	Coiled		SCPBE-02C	M85049/128-4				
A11089	Flat	.242 x 18.00	N/A	N/A	A30199●	DBS-1201▲ DBS-2200●	600-061●	M81306/1-02●
A31189*	Flat	.120 x 8.125	SCPBE-04F	M85049/128-7				
A31188*	Coiled		SCPBE-04C	M85049/128-8				
A31089*	Flat	.120 x 14.30	SCPBE-03F	N/A				

* Mini Band

GLENAIR	SHAPE	SIZE	SCP P/N	MILITARY REFERENCE	GLENAIR TOOLS	BAND-IT TOOLS	DANIELS TOOLS	MILITARY TOOLS
600-052	Flat	.242 x 14.25	SCPBE-02F	M85049/128-3	600-058●	A40199●	DBS-1101▲ DBS-2100●	M81306/1-01●
600-052-1	Coiled		SCPBE-02C	M85049/128-4				
600-090	Flat	.245 x 18.0	N/A	N/A	600-058●	A40199●	DBS-1101▲ DBS-2100●	M81306/1-01●
600-090-1	Coiled							
600-057*	Flat	.120 x 8.125	SCPBE-04F	M85049/128-7	600-061●	A30199●	DBS-1201▲ DBS-2200●	M81306/1-02●
600-057-1*	Coiled		SCPBE-04C	M85049/128-8				
600-083*	Flat	.120 x 14.30	SCPBE-03F	N/A				
600-083-1*	Coiled		SCPBE-03C					

* Mini Band

Band-It and Glenair bands work in the DBS or STS Tools, but two operations are required (terminate and fold-over) rather than the one operation (terminate/trim). DBS or STS-1101, and 1201 tools include both the termination tool and the secondary roll-over tool.

SUNBANK	SHAPE	SIZE	SCP P/N	MILITARY REFERENCE	SUNBANK TOOLS	DANIELS TOOLS	MILITARY TOOLS
S 3175-2	Flat	.245 x 14.00	SCPSE-02F	M85049/128-1	STS-1101▲	DBS-1101▲	M81306/2-01▲
S 3175-2C	Coiled		SCPSE-02C	M85049/128-2			
S 3175-3*	Flat	.118 x 9.50	SCPSE-04F	M85049/128-5	STS-1201▲	DBS-1201▲	M81306/2-02▲
S 3175-3C*	Coiled		SCPSE-04C	M85049/128-6			
S 3175-4*	Flat	.118 x 14.25	SCPSE-03F	N/A	STS-1201▲	DBS-1201▲	M81306/2-02▲
S 3175-4C*	Coiled		SCPSE-03C				

* Mini Band

DBS or STS-1101 and 1201 tools include both the termination tool and the secondary roll-over tool.

MILITARY REFERENCE

MILITARY	SHAPE	SIZE	SCP P/N	MILITARY TOOLS	NON MILITARY APPLICATIONS			
					Band-It	Daniels	Glenair	Sunbank
M85049/128-1	Flat	.245 x 14.00	SCPSE-02F	M81306/2-01▲	-	DBS-1101▲	-	STS-1101▲
M85049/128-2	Coiled		SCPSE-02C					
M85049/128-3	Flat	.242 x 14.25	SCPBE-02F	M81306/1-01●	A40199●	DBS-2100● DBS-1101▲	600-058●	-
M85049/128-4	Coiled		SCPBE-02C					
M85049/128-5*	Flat	.118 x 9.50	SCPSE-04F	M81306/2-02▲	-	DBS-1201▲	-	STS-1201▲
M85049/128-6*	Coiled		SCPSE-04C					
M85049/128-7*	Flat	.120 x 8.125	SCPBE-04F	M81306/1-02●	A30199●	DBS-2200● DBS-1201▲	600-061●	-
M85049/128-8*	Coiled		SCPBE-04C					

* M85049/128-5, -6, -7, -8 are proposed.

- One Step Tool
- ▲ Two Step Tool

TERMINATION BANDS (.250 WIDE)

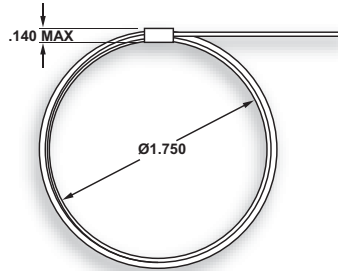


M85049/128-2

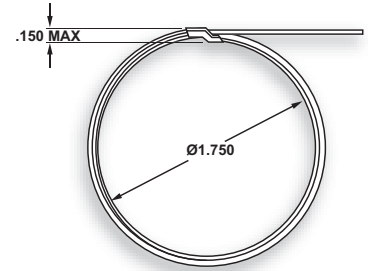
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SCPSE-02F & SCPSE-02C
TERMINATION TOOLS:
DANIELS: DBS-1101▲
SUNBANK: STS-1101▲
M81306/2-01▲

M85049/128-3 & M85049/128-4
SCPBE-02F & SCPBE-02C
TERMINATION TOOLS:
BAND-IT: A40199●
DANIELS: DBS-1101▲
DBS-2100●
GLENAIR: 600-058●
M81306/1-01●

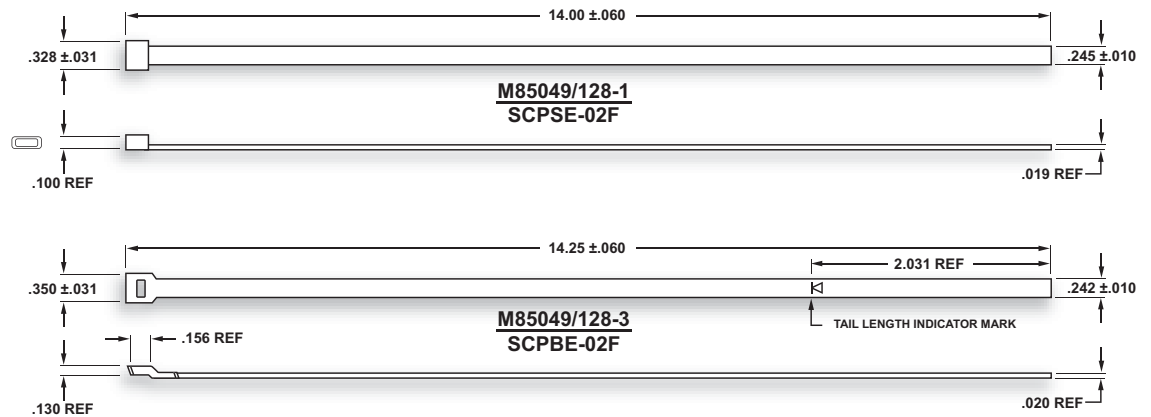
● One Step Tool
▲ Two Step Tool



M85049/128-2
SCPSE-02C



M85049/128-4
SCPBE-02C



MINI-BANDS (.120 WIDE)

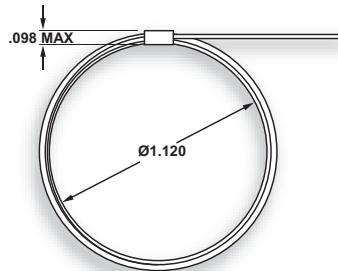


M85049/128-8

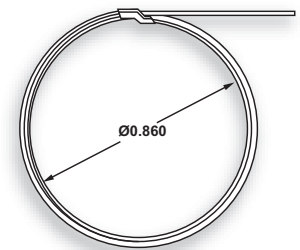
M85049/128-5* & M85049/128-6*
SCPSE-04F & SCPSE-04C
SCPSE-03F & SCPSE-03C
TERMINATION TOOLS:
DANIELS: DBS-1201▲
SUNBANK: STS-1201▲
M81306/2-02▲

M85049/128-7* & M85049/128-8*
SCPBE-04F & SCPBE-04C
SCPBE-03F & SCPBE-03C
TERMINATION TOOLS:
BAND-IT: A30199●
DANIELS: DBS-1201▲
DBS-2200●
GLENAIR: 600-061●
M81306/1-02●

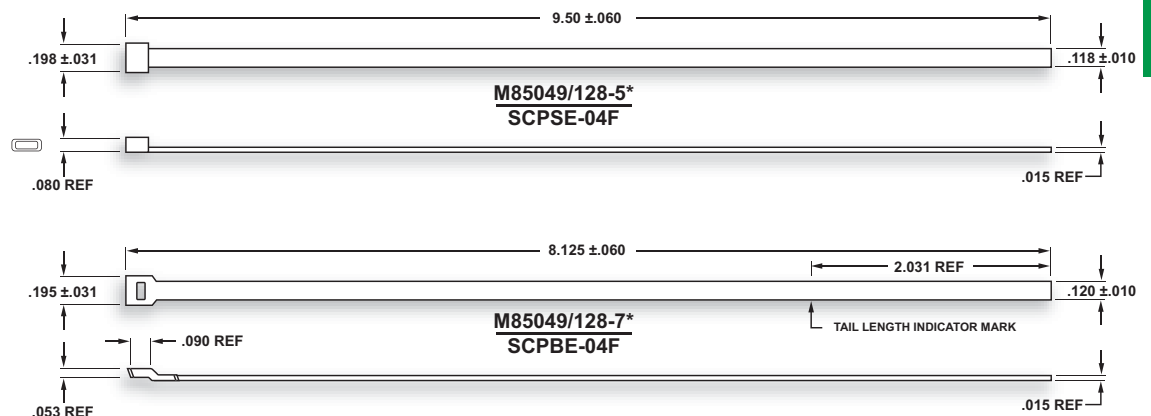
● One Step Tool
▲ Two Step Tool



M85049/128-6*
SCPSE-04C



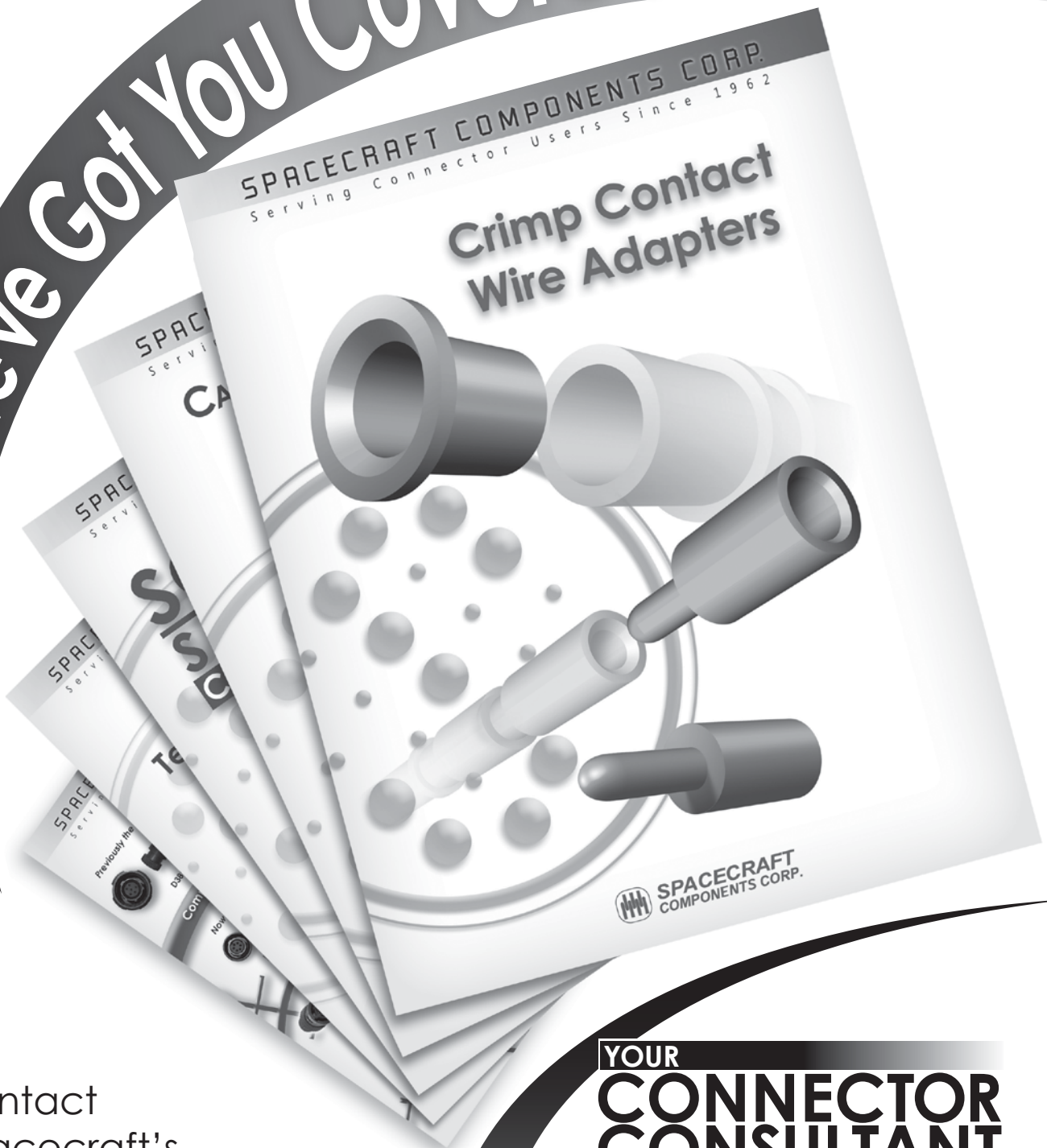
M85049/128-8*
SCPBE-04C



* M85049/128-5, -6, -7, -8 are proposed.

8D

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SECTION 9D

SHORTING CANS

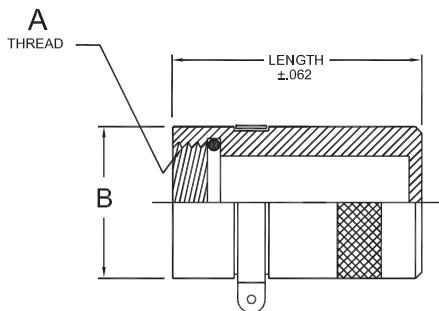
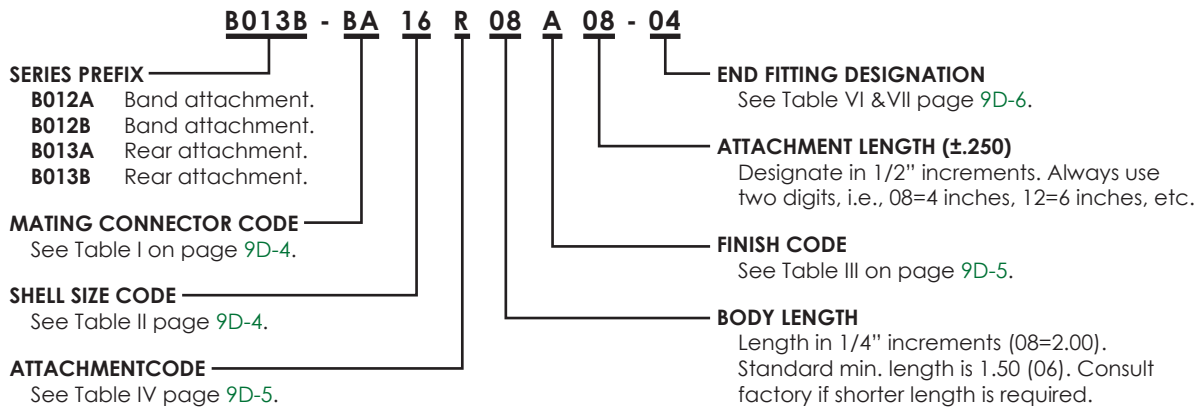
9D

SHORTING CANS

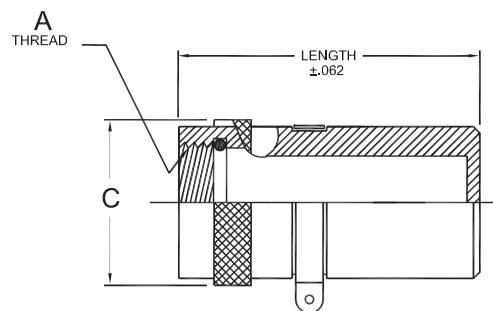
B012A, B012B, B013A, B013B

Various Series. See Table I on Page 9D-4.

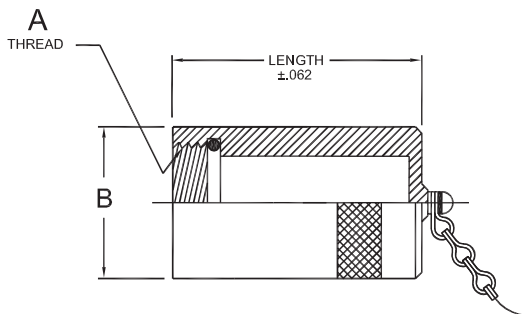
ORDERING INFORMATION



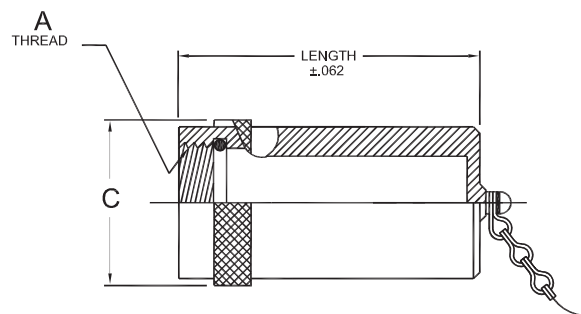
B012A
Straight-Solid Body
Band Attachment



B012B
Straight-Spin Coupling Nut
Band Attachment



B013A
Straight-Solid Body
Rear Attachment



B013B
Straight-Spin Coupling Nut
Rear Attachment

SHORTING CANS

B012A, B012B, B013A, B013B

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE								B MAX.	C MAX.	
	AB	AF	AK	AM	BA	BB	BF				BG
			SWLD	SWL			SERIES				
		*1	*2				I	II			III
.375-32UNEF	8S									.531	.688
.438-28UNEF					8		9	8		.594	.688
.500-20UNF		8 & 8S								.656	.617
.500-28UNEF	10S			10						.656	.850
M12x 1.0									9	.656	.688
.562-24UNEF					10		11	10		.719	.812
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.781	.875
M15x 1.0									11	.781	.812
.688-24UNEF					12		13	12		.844	.938
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.906	1.000
M18x 1.0									13	.906	.938
.812-20UNEF					14		15	14		.969	1.062
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.031	1.125
M22x 1.0									15	1.031	1.062
.938-20UNEF					16		17	16		1.094	1.188
1.000-20UNEF	18	16 & 16S	16	18		14				1.156	1.250
M25x 1.0									17	1.156	1.188
1.062-18UNEF		18			18		19	18		1.219	1.312
1.125-18UNEF	20		18	20		16				1.281	1.375
M28x 1.0									19	1.281	1.312
1.188-18UNEF		20			20		21	20		1.344	1.438
1.250-18UNEF	22		20	22		18				1.406	1.500
M31 x 1.0									21	1.406	1.438
1.312-18UNEF		22			22		23	22		1.469	1.562
1.375-18UNEF	24		22	24		20				1.531	1.625
M34x 1.0									23	1.531	1.562
1.438-18UNEF		24			24		25	24		1.594	1.688
1.500-18UNEF						22				1.656	1.688
M37x 1.0									25	1.656	1.688
1.625-18UNEF	28		24	28		24				1.844	1.969
1.750-18UNS		28								1.969	2.094
1.875-16UN	32		28	32						2.094	2.219
2.000-18UNS		32								2.219	2.344
2.062-16UNS	36		32	36						2.281	2.406
2.250-16UN		36								2.469	2.594
2.312-16UNS	40		36	40						2.531	2.656
2.500-16UN		40								2.719	2.844
2.625-16UN			40	44						2.844	2.969
2.750-16UN		44								2.969	2.969
2.875-16UN			44	48						3.094	3.281
3.000-16UN		48								3.219	2.406
3.125-16UN			48							3.344	3.531

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

MATING CONNECTOR CODES

TABLE I. MATING CONNECTOR CODES

CODE	CONNECTOR SPECIFICATION
AB	MIL-DTL-5015, Solder Contacts, and F80 Crimp, SCP and SCPB Series
AF	MIL-DTL-5015, Crimp Front or Rear Release Contacts SC30 thru SC39 and SC50 thru SC59 MIL-DTL-26482, Series 2, SCPT70 thru SCPT79
AK	MIL-DTL-22992, Class C & R, SWLD Series, SCP17343 thru SCP17347
AM	SWL Series
BA	MIL-DTL-26482 Series I, Solder or Crimp Front Release, SCPT and SCPC Series
BB	MIL-DTL-26482 Series 1, Class E, F & P SCPT07* and SCPT07S
BF	MIL-DTL-38999 Series I & II, SC1001, SC1466, SC1467, SC1468, SC1469, SC1470, SC1471, SC1496, SC1498, SC1505, SC1656, SC1662, SC2001, SC2472, SC2473, SC2474, SC2475, SC2476, SC2477, SC2478, SC2484, SC2497, SC2499, SC2508, SC2513
BG	MIL-DTL-38999, Series III, SC3920 thru SC3926

SHELL SIZE CODES

TABLE II. SHELL SIZE CODES

SHELL SIZE CODE	MATING CONNECTOR CODES								
	AB	AF	AK	AM	BA	BB	BF		BG
			SWLD	SWL			SERIES		
							I	II	III
08	8S	8 & 8S			8	8	9	8	
09									9
10	10S	10, 10S & 10SL		10	10	10	11	10	
11				12					11
12	10SL, 12 & 12S	12 & 12S	12	14	12	12	13	12	
13									13
14	14 & 14S	14 & 14S	14	16	14	14	15	14	
15									15
16	16 & 16S	16 & 16S	16	18	16	16	17	16	
17									17
18	18	18	18	20	18	18	19	18	
19									19
20	20	20	20	22	20	20	21	20	
21									21
22	22	22	22	24	22	22	23	22	
23									23
24	24	24	24	28	24	24	25	24	
25									25
28	28	28	28	32					
32	32	32	32	36					
36	36	36	36	40					
40	40	40	40	44					
44		44	44						
48		48	48						

FINISH AND ATTACHMENT CODES

TABLE III. FINISH CODES CONSULT FACTORY FOR OTHER AVAILABLE FINISHES

FINISH CODE	DESCRIPTION	FINISH CODE	DESCRIPTION
A	Cadmium, Olive Drab, per QQ-P-416, Type II, Over Electroless Nickel, per MIL-C-26074 (1000 Hour Salt Spray Finish)	L	Zinc Cobalt, Color O.D. .000050
B	Cadmium, Black, per QQ-P-416, Type II, Class 3	M	Zinc Cobalt, Color Black, .000050
C	Cadmium, Olive Drab, per QQ-P-416, Type II, Class 3	N	Electroless Nickel, per MIL-C-26074, Class 4, Grade B
D	Cadmium - Yellow, per QQ-P-416, Type II Class 3, 48 Hours	R	Anodize, Hard, Gray, per MIL-A-8625, Type III, Class 1
E	Cadmium - Yellow Over Nickel, 48 Hours	S	Anodize, Sulphuric, Gray, per MIL-A-8625, Type II, Class 1
F	Anodize, Sulphuric, Black, per MIL-A-8625, Type II, Class 2	T	Anodize, Hard Color Blue
G	Chromium Plate, per QQ-C-320, CLASS 2 A, Type II	U	Anodize, Hard Color Red
H	Anodize, Hard, Black, per MIL-A-8625, Type III, Class 2	V	Anodize, Hard Color Yellow
I	Chemical Film, per MIL-C-5541	X	Cadmium, Bright, per QQ-P-416, Type II, Over Electroless Nickel, per MIL-C-26074
J	Cadmium, Clear, per QQ-P-416, Type II Class 3	Z	Anodize, Hard, Green, per MIL-A-8625, Type III, Class 1, Dichromate Seal
K	Nickel, Electro Deposited, per QQ-N-290, Class 2		

TABLE IV. ATTACHMENT CODES

ATTACHMENT CODE	DESCRIPTION
A	No attachment required
B	Bead chain, brass, nickel plated
C	Sash chain, SST, passivated
D	Bead chain, SST, passivated
E	Bead chain, brass, cadmium, olive drab plated
F	Bead chain, brass, unfinished
I	Bead chain, brass, black oxide finish
R	Wire rope, SST, PVC covered, green color
T	Wire rope, SST, teflon covered, natural cover
U	Wire rope, SST, nylon cover, brown color
V	Wire rope, SST, viton covered, black color
W	Nylon cord, green color, SST terminal

End Fittings Illustrated On Next Page

9D

END FITTING CODES

TABLE VI. EYELET END FITTING STYLES AND SIZES (NOT USED WITH ATTACHMENT CODE A)

USED WITH ATTACHMENT CODES:

DASH NO. CODE	Y REF. DIA.
01	.125
02	.141
03	.167
04	.188
05	.219
06	.250

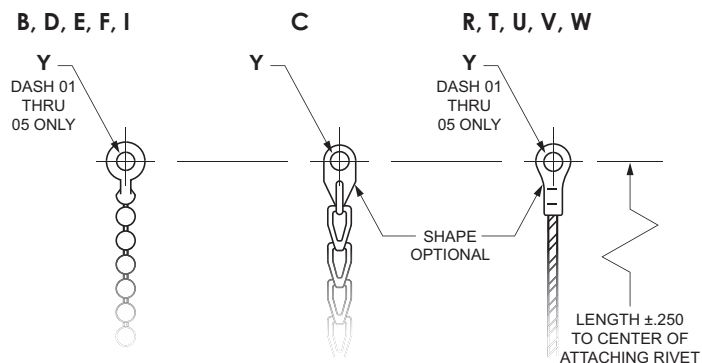
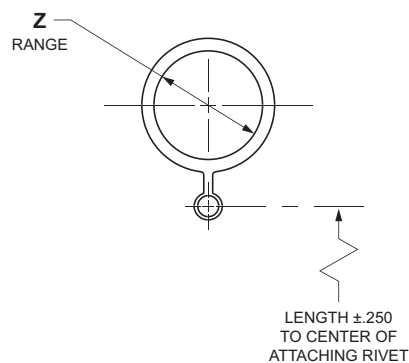


TABLE VII. RING END FITTING SIZES (NOT USED WITH ATTACHMENT CODE A)

DASH NO. CODE	RING PART NUMBER REF.	Z RANGE
33	*	.401-.391
34	*	.454-.444
35	*	.464-.454
36	*	.526-.516
11	229142-01	.604/.584
37	*	.651-.641
12	229142-02	.729/.709
13	229142-03	.885/.865
14	229142-04	.948/.918
15	229142-05	1.072-1.052
16	229142-06	1.198-1.178
17	229142-07	1.322-1.302
18	229142-08	1.448-1.428
19	229142-09	1.572-1.552

DASH NO. CODE	RING PART NUMBER REF.	Z RANGE
20	229142-10	1.698-1.678
21	229142-11	1.822-1.802
22	229142-12	1.948-.928
23	*	2.026-2.016
24	*	2.088-2.078
25	229431-09	2.151-2.141
26	*	2.276-2.266
27	*	2.338-2.328
28	229431-10	2.401-2.391
29	*	2.526-2.516
30	229431-11	2.651-2.641
31	229431-12	2.901-2.891
32	*	3.026-3.016

**USED WITH ATTACHMENT CODES:
B THRU W**



* = Consult factory for availability.

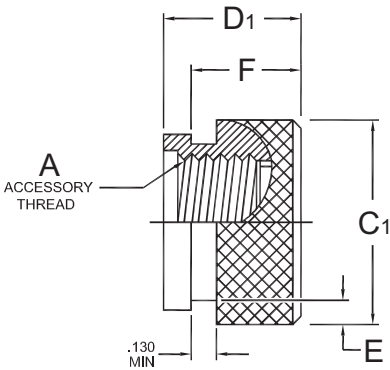
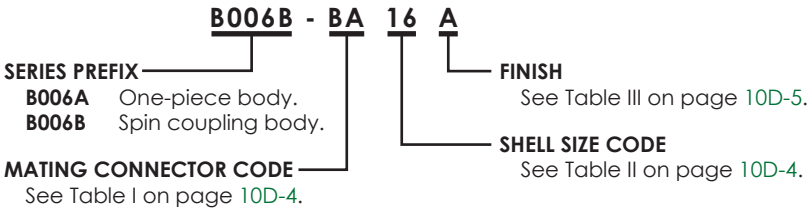
SECTION 10D BACKSHELLS SHRINK BOOT ADAPTERS

SHRINK BOOT ADAPTER

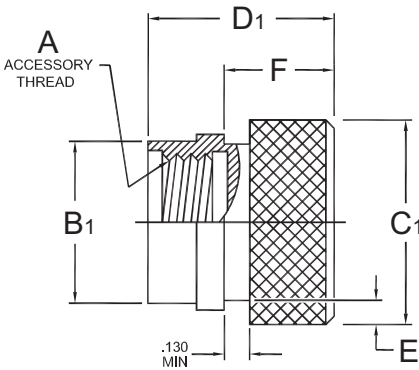
B006A, B006B

For Various Series. See Table I on Next Page

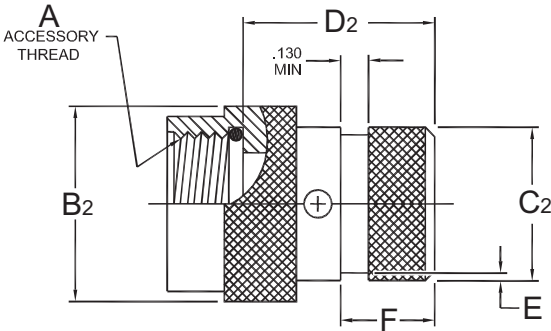
ORDERING INFORMATION



B006A-AF Only



B006A- Balance of Series



B006B

A ACCESSORY THREAD	MATES WITH SHELL SIZE BELOW BY CONNECTOR CODE								B ₁ MAX.	B ₂ MAX.	C ₁ MAX.	C ₂ MAX.	D ₁ MAX.	D ₂ MAX.	E MAX.	F MAX.	
	AB	AF	AK	AM	BA	BB	BF										BG
			SWLD	SWL			SERIES										
		*1	*2				I	II									III
.375-32UNEF	8S									.531	.688	.656	.533	.734	.912	.044	.430
.438-28UNEF					8		9	8		.594	.688	.719	.533	.830	.938	.044	.430
.500-20UNF		8 & 8S								.656	.617	.688	.533	.540	.812	.044	.430
.500-28UNEF	10S			10						.656	.850	.871	.533	.830	1.312	.044	.430
M12x 1.0									9	.656	.688	.719	.533	.734	.812	.044	.430
.562-24UNEF					10		11	10		.719	.812	.844	.605	.830	.938	.044	.430
.625-24UNEF	10SL, 12 & 12S	10, 10S & 10SL		12		8				.781	.875	.906	.605	.830	.812	.044	.430
M15x 1.0									11	.781	.812	.844	.605	.734	.812	.044	.430
.688-24UNEF					12		13	12		.844	.938	.969	.774	.734	.938	.044	.430
.750-20UNEF	14 & 14S	12 & 12S	12	14		10				.906	1.000	1.031	.774	1.438	1.312	.044	.430
M18x 1.0									13	.906	.938	.969	.774	.734	.812	.044	.430
.812-20UNEF					14		15	14		.969	1.062	1.094	.838	.734	.938	.044	.430
.875-20UNEF	16 & 16S	14 & 14S	14	16		12				1.031	1.125	1.156	.838	1.438	1.312	.044	.430
M22x 1.0									15	1.031	1.062	1.094	.838	.734	.812	.044	.430
.938-20UNEF					16		17	16		1.094	1.188	1.281	.963	.734	.938	.044	.430
1.000-20UNEF	18	16 & 16S	16	18		14				1.156	1.250	1.344	.963	1.438	1.312	.044	.430
M25x 1.0									17	1.156	1.188	1.281	.963	.734	.812	.044	.430
1.062-18UNEF		18			18		19	18		1.219	1.312	1.406	1.042	.734	.938	.044	.430
1.125-18UNEF	20		18	20		16				1.281	1.375	1.469	1.217	1.438	1.312	.069	.430
M28x 1.0									19	1.281	1.312	1.469	1.042	.734	.812	.044	.430
1.188-18UNEF		20			20		21	20		1.344	1.438	1.531	1.217	.734	.938	.069	.430
1.250-18UNEF	22		20	22		18				1.406	1.500	1.594	1.355	1.438	1.312	.069	.430
M31 x 1.0									21	1.406	1.438	1.531	1.217	.734	.812	.069	.430
1.312-18UNEF		22			22		23	22		1.469	1.562	1.656	1.355	.734	.938	.069	.430
1.375-18UNEF	24		22	24		20				1.531	1.625	1.719	1.443	1.438	1.312	.069	.430
M34x 1.0									23	1.531	1.562	1.656	1.355	.734	.812	.069	.295
1.438-18UNEF		24			24		25	24		1.594	1.688	1.781	1.443	.734	.938	.069	.430
1.500-18UNEF						22				1.656	1.688	1.844	1.443	.906	1.188	.069	.430
M37x 1.0									25	1.656	1.688	1.781	1.443	.734	.812	.069	.430
1.625-18UNEF	28		24	28		24				1.844	1.969	2.031	1.709	1.438	1.312	.069	.430
1.750-18UNS		28								1.969	2.094	2.156	1.709	.734	.812	.069	.430
1.875-16UN	32		28	32						2.094	2.219	2.281	1.919	1.625	1.438	.086	.592
2.000-18UNS		32								2.219	2.344	2.406	1.919	.734	.969	.086	.592
2.062-16UNS	36		32	36						2.281	2.406	2.469	2.169	1.625	1.438	.086	.592
2.250-16UN		36								2.469	2.594	2.656	2.169	.734	.969	.086	.592
2.312-16UNS	40		36	40						2.656	2.656	2.402	2.402	1.625	1.438	.086	.592
2.500-16UN		40								2.719	2.844	2.906	2.402	.734	.969	.086	.592
2.625-16UN			40	44						2.844	2.969	3.310	2.657	1.625	1.438	.086	.592
2.750-16UN		44								2.969	2.969	3.156	2.657	.734	.969	.086	.592
2.875-16UN			44	48						3.094	3.218	3.281	3.281	1.625	1.438	.086	.592
3.000-16UN		48								3.219	3.406	3.406	3.406	.734	.969	.086	.592
3.125-16UN			48							3.344	3.531	3.531	3.531	1.625	1.438	.086	.592

* 1 - Shell Sizes I, A, W, MIL-DTL-5015 (Crimp), MIL-DTL-26482 (Series 2)

* 2 - Shell Sizes I, A, W, MIL-DTL-22992 Class C, J & R

MATING CONNECTOR CODES

TABLE I. MATING CONNECTOR CODES

CODE	CONNECTOR SPECIFICATION
AB	MIL-DTL-5015, Solder Contacts, and F80 Crimp, SCP and SCPB Series
AF	MIL-DTL-5015, Crimp Front or Rear Release Contacts SC30 thru SC39 and SC50 thru SC59 MIL-DTL-26482, Series 2, SCPT70 thru SCPT79
AK	MIL-DTL-22992, Class C & R, SWLD Series, SCP17343 thru SCP17347
AM	SWL Series
BA	MIL-DTL-26482 Series I, Solder or Crimp Front Release, SCPT and SCPC Series
BB	MIL-DTL-26482 Series 1, Class E, F & P SCPT07* and SCPT07S
BF	MIL-DTL-38999 Series I & II, SC1001, SC1466, SC1467, SC1468, SC1469, SC1470, SC1471, SC1496, SC1498, SC1505, SC1656, SC1662, SC2001, SC2472, SC2473, SC2474, SC2475, SC2476, SC2477, SC2478, SC2484, SC2497, SC2499, SC2508, SC2513
BG	MIL-DTL-38999, Series III, SC3920 thru SC3926

SHELL SIZE CODES

TABLE II. SHELL SIZE CODES

SHELL SIZE CODE	MATING CONNECTOR CODES								
	AB	AF	AK	AM	BA	BB	BF		BG
			SWLD	SWL			SERIES		
							I	II	III
08	8S	8 & 8S			8	8	9	8	
09									9
10	10S	10, 10S & 10SL		10	10	10	11	10	
11				12					11
12	10SL, 12 & 12S	12 & 12S	12	14	12	12	13	12	
13									13
14	14 & 14S	14 & 14S	14	16	14	14	15	14	
15									15
16	16 & 16S	16 & 16S	16	18	16	16	17	16	
17									17
18	18	18	18	20	18	18	19	18	
19									19
20	20	20	20	22	20	20	21	20	
21									21
22	22	22	22	24	22	22	23	22	
23									23
24	24	24	24	28	24	24	25	24	
25									25
28	28	28	28	32					
32	32	32	32	36					
36	36	36	36	40					
40	40	40	40	44					
44		44	44						
48		48	48						



FINISH AND ATTACHMENT CODES

TABLE III. FINISH CODES
CONSULT FACTORY FOR OTHER AVAILABLE FINISHES

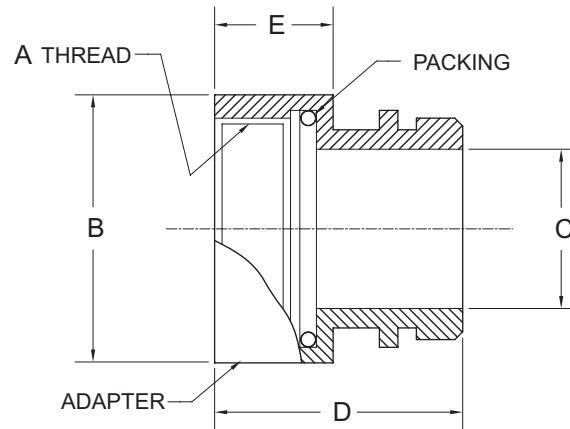
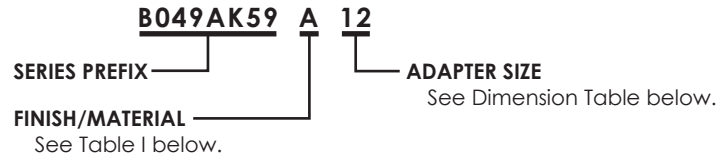
FINISH CODE	DESCRIPTION
A	Cadmium, Olive Drab, per QQ-P-416, Type II, Over Electroless Nickel, per MIL-C-26074 (1000 Hour Salt Spray Finish)
B	Cadmium, Black, per QQ-P-416, Type II, Class 3
C	Cadmium, Olive Drab, per QQ-P-416, Type II, Class 3
D	Cadmium - Yellow, per QQ-P-416, Type II Class 3, 48 Hours
E	Cadmium - Yellow Over Nickel, 48 Hours
F	Anodize, Sulphuric, Black, per MIL-A-8625, Type II, Class 2
G	Chromium Plate, per QQ-C-320, CLASS 2 A, Type II
H	Anodize, Hard, Black, per MIL-A-8625, Type III, Class 2
I	Chemical Film, per MIL-C-5541
J	Cadmium, Clear, per QQ-P-416, Type II Class 3
K	Nickel, Electro Deposited, per QQ-N-290, Class 2
L	Zinc Cobalt, Color O.D. .000050
M	Zinc Cobalt, Color Black, .000050
N	Electroless Nickel, per MIL-C-26074, Class 4, Grade B
R	Anodize, Hard, Gray, per MIL-A-8625, Type III, Class 1
S	Anodize, Sulphuric, Gray, per MIL-A-8625, Type II, Class 1
T	Anodize, Hard Color Blue
U	Anodize, Hard Color Red
V	Anodize, Hard Color Yellow
X	Cadmium, Bright, per QQ-P-416, Type II, Over Electroless Nickel, per MIL-C-26074
Z	Anodize, Hard, Green, per MIL-A-8625, Type III, Class 1, Dichromate Seal

SHRINK BOOT ADAPTER

B049AK59

For **SWLD** series (MIL-DTL-22992)

ORDERING INFORMATION



ADAPTER SIZE	PREFORMED PACKING	A THREAD CLASS 2B-LH	B $\pm.010$ [± 0.25]	\varnothing C $\pm.031$ [± 0.79]	D $\pm.031$ [± 0.79]	E $\pm.016$ [± 0.41]
12	MS9021-017	.7500-20 UNEF	.923 [23.44]	.500 [12.70]	1.175 [29.84]	.479 [12.17]
14	MS9021-019	.8750-20 UNEF	1.047 [26.59]	.656 [16.66]	1.175 [29.84]	.479 [12.17]
16	MS9021-021	1.0000-20 UNEF	1.172 [29.77]	.813 [20.65]	1.175 [29.84]	.479 [12.17]
18	MS9021-023	1.1250-18 UNEF	1.297 [32.94]	.938 [23.83]	1.175 [29.84]	.479 [12.17]
20	MS9021-025	1.2500-18 UNEF	1.422 [36.12]	1.063 [27.00]	1.175 [29.84]	.479 [12.17]
22	MS9021-027	1.3750-18 UNEF	1.547 [39.29]	1.188 [30.18]	1.175 [29.84]	.479 [12.17]
24	MS9021-030	1.6250-18 UNEF	1.787 [45.39]	1.312 [33.32]	1.175 [29.84]	.479 [12.17]
28	MS9021-032	1.8750-16 UN	2.047 [51.99]	1.500 [38.10]	1.175 [29.84]	.479 [12.17]
32	MS9021-033	2.0625-16 UN	2.297 [58.34]	1.800 [45.72]	1.175 [29.84]	.479 [12.17]
36	MS9021-035	2.3125-16 UN	2.547 [64.69]	2.000 [50.80]	1.175 [29.84]	.479 [12.17]
40	MS9021-038	2.6250-16 UN	2.859 [72.62]	2.250 [57.15]	1.375 [34.92]	.667 [16.94]
44	MS9021-040	2.8750-16 UN	3.110 [78.99]	2.459 [62.46]	2.857 [72.57]	2.982 [75.74]

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

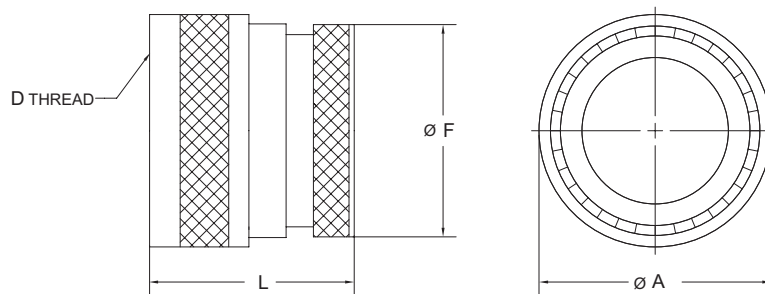
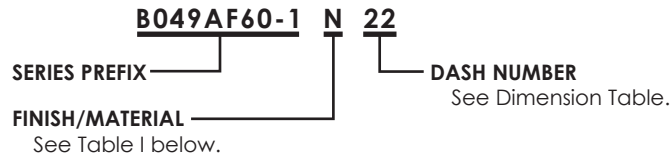
CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Y	Pure dense electrodeposited aluminum in accordance with MIL-DTL-83488, Type II, to withstand 500 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	Not for use on shield termination type connector accessories.
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

For **SC30**, **SC50** & **SC70** Series (MIL-DTL-5015 Crimp & MIL-DTL-26482 Series 2)

For Use with M85049/68-1 or MS3109 Shrink Boots

For Use with M85049/68-2 or MS3117 Shrink Boots

ORDERING INFORMATION



DASH NO.	CONNECTOR SHELL SIZE		ØA +.000 -.045 [+0.00] [-1.14]	ØF +.000 -.020 [+0.00] [-0.51]	L MAX	D THREAD CLASS 2B
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP				
08	8	8S	.617 [15.67]	.533 [13.54]	1.187 [30.15]	.500-20 UNF
10	10	10S, 10SL	.734 [18.64]	.605 [15.37]	1.187 [30.15]	.625-24 UNEF
12	12	12, 12S	.858 [21.79]	.774 [19.66]	1.187 [30.15]	.750-20 UNEF
14	14	14, 14S	.984 [24.99]	.838 [21.29]	1.187 [30.15]	.875-20 UNEF
16	16	16, 16S	1.112 [28.24]	.963 [24.46]	1.187 [30.15]	1.000-20 UNEF
18	18	18	1.218 [30.94]	1.042 [26.47]	1.187 [30.15]	1.062-18 UNEF
20	20	20	1.345 [34.16]	1.217 [30.91]	1.187 [30.15]	1.188-18 UNEF
22	22	22	1.468 [37.29]	1.355 [34.42]	1.187 [30.15]	1.312-18 UNEF
24	24	24	1.593 [40.46]	1.433 [36.40]	1.187 [30.15]	1.438-18 UNEF
28	-	28	1.969 [50.01]	1.709 [43.41]	1.511 [38.38]	1.750-18 UNS
32	-	32	2.219 [56.36]	1.919 [48.74]	1.511 [38.38]	2.000-18 UNS
36	-	36	2.469 [62.71]	2.169 [55.09]	1.511 [38.38]	2.250-16 UN
40	-	40	2.719 [69.06]	2.402 [61.01]	1.511 [38.38]	2.500-16 UN
44	-	44	2.969 [75.41]	2.657 [67.49]	1.511 [38.38]	2.750-16 UN
48	-	48	3.219 [81.76]	2.907 [73.84]	1.511 [38.38]	3.000-16 UN

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.		-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Y	Pure dense electrodeposited aluminum in accordance with MIL-DTL-83488, Type II, to withstand 500 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	Not for use on shield termination type connector accessories.
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

SHRINK BOOT ADAPTER

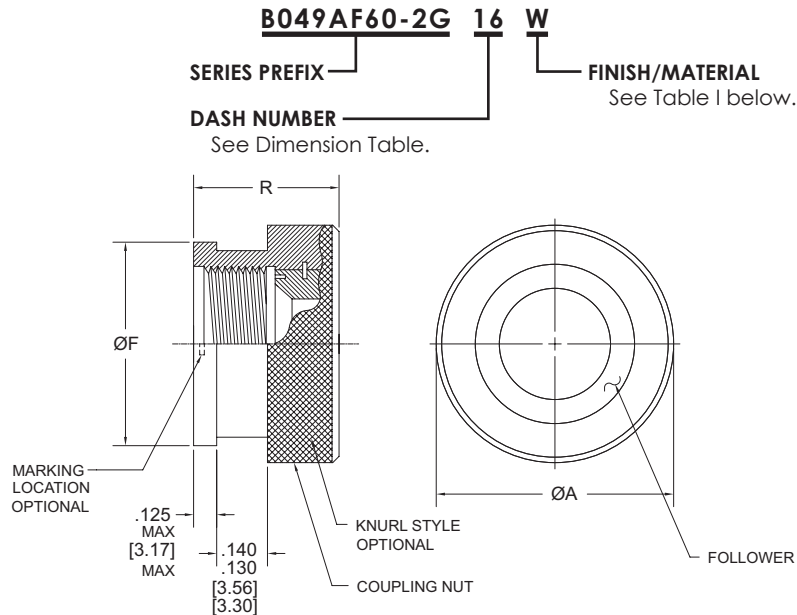
B049AF60-2G

For **SC30**, **SC50** & **SC70** Series (MIL-DTL-5015 Crimp & MIL-DTL-26482 Series 2)

For Use with M85049/68-1 or MS3109 Shrink Boots

For Use with M85049/68-2 or MS3117 Shrink Boots

ORDERING INFORMATION



DASH NO.	CONNECTOR SHELL SIZE		ØA +.000 -.045 [+.000] [-1.14]	C THREAD CLASS 2B	ØF +.000 -.020 [+.000] [-0.51]	R MAX
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP				
08	8	8S	.688 [17.48]	.500-20 UNF	.657 [16.69]	.540 [13.72]
10	10	10S, 10SL	.803 [20.40]	.625-24 UNEF	.774 [19.66]	.540 [13.72]
12	12	12, 12S	.938 [23.83]	.750-20 UNEF	.898 [22.81]	.540 [13.72]
14	14	14, 14S	1.063 [27.00]	.875-20 UNEF	1.024 [26.01]	.540 [13.72]
16	16	16, 16S	1.238 [31.45]	1.000-20 UNEF	1.152 [29.26]	.540 [13.72]
18	18	18	1.310 [33.27]	1.062-18 UNEF	1.243 [31.57]	.540 [13.72]
20	20	20	1.436 [36.47]	1.188-18 UNEF	1.370 [34.80]	.540 [13.72]
22	22	22	1.560 [39.62]	1.312-18 UNEF	1.443 [36.65]	.540 [13.72]
24	24	24	1.686 [42.82]	1.438-18 UNEF	1.618 [41.10]	.540 [13.72]
28	-	28	2.062 [52.37]	1.750-18 UNS	1.969 [50.01]	.702 [17.83]
32	-	32	2.312 [58.72]	2.000-18 UNS	2.219 [56.36]	.702 [17.83]
36	-	36	2.562 [65.07]	2.250-16 UN	2.469 [62.71]	.702 [17.83]
40	-	40	2.812 [71.42]	2.500-16 UN	2.719 [69.06]	.702 [17.83]
44	-	44	3.062 [77.77]	2.750-16 UN	2.969 [75.41]	.702 [17.83]
48	-	48	3.312 [84.12]	3.000-16 UN	3.219 [81.76]	.702 [17.83]

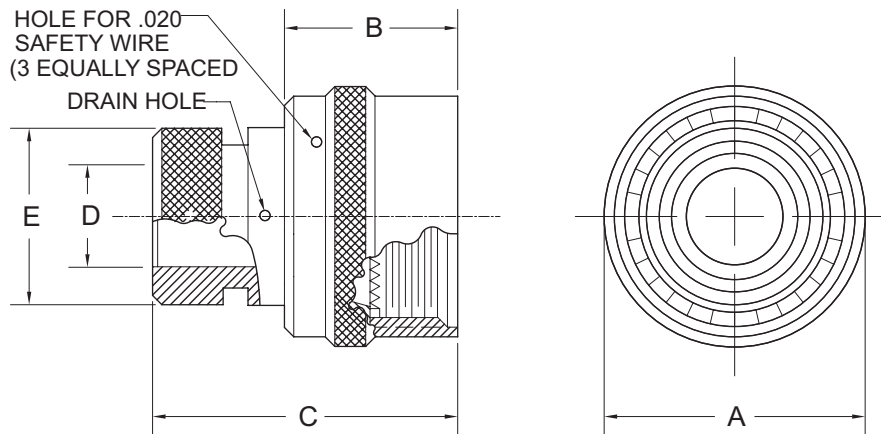
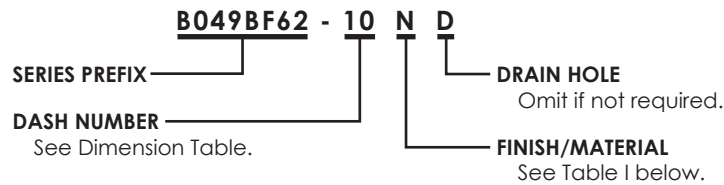
Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.		-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Y	Pure dense electrodeposited aluminum in accordance with MIL-DTL-83488, Type II, to withstand 500 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	Not for use on shield termination type connector accessories.
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II) For Use with M85049/68 Shrink Boots

ORDERING INFORMATION



DASH NO.	CONNECTOR SHELL SIZE		ØA MAX	B MAX	C MAX.	D CABLE ENTRY MAX	ØE MAX
	SERIES I	SERIES II					
08	9	8	.617 [15.67]	.54 [13.72]	1.000 [25.40]	.250 [6.35]	.533 [13.54]
10	11	10	.734 [18.64]	.54 [13.72]	1.000 [25.40]	.375 [9.52]	.606 [15.39]
12	13	12	.858 [21.79]	.54 [13.72]	1.000 [25.40]	.500 [12.70]	.774 [19.66]
14	15	14	.984 [24.99]	.54 [13.72]	1.000 [25.40]	.625 [15.87]	.838 [21.29]
16	17	16	1.112 [28.24]	.54 [13.72]	1.000 [25.40]	.750 [19.05]	.963 [24.46]
18	19	18	1.218 [30.94]	.54 [13.72]	1.000 [25.40]	.812 [20.62]	1.042 [26.47]
20	21	20	1.345 [34.16]	.54 [13.72]	1.000 [25.40]	.937 [23.80]	1.217 [30.91]
22	23	22	1.468 [37.29]	.54 [13.72]	1.000 [25.40]	1.062 [26.97]	1.355 [34.42]
24	25	24	1.593 [40.46]	.54 [13.72]	1.000 [25.40]	1.188 [30.18]	1.443 [36.65]

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.		-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Y	Pure dense electrodeposited aluminum in accordance with MIL-DTL-83488, Type II, to withstand 500 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	Not for use on shield termination type connector accessories.
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

B049BG69

ORDERING INFORMATION

Technical drawing of a cross-section of a mechanical component. The drawing includes the following dimensions and labels:

- Top Dimensions:**
 - $.71$ (Overall width)
 - $[18.03]$ MAX (Dimension across the top holes)
- Labels:**
 - HOLES FOR SAFETY WIRE (3 EQUALLY SPACED)
 - $\varnothing B$ MAX (Dimension across the main body)
 - $\varnothing C$ (Dimension across the central hole)
 - $\varnothing D$ (Dimension across the outer holes)
 - $\varnothing .125$ DRAIN HOLES - 4 PLCS 90° APART $[\varnothing 3.17]$ (OPTIONAL)
- Bottom Dimensions:**
 - $.48$ (Dimension from left edge to first hole)
 - $[12.19]$ MAX (Dimension across the first hole)
 - $.425$ (Dimension from first hole to second hole)
 - $[10.79]$ MAX (Dimension across the second hole)
 - $.140$ $[3.56]$ (Dimension from second hole to third hole)
 - $.130$ $[3.30]$ (Dimension from third hole to fourth hole)
- Other Labels:**
 - E (Dimension from top edge to top of main body)

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.		-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Y	Pure dense electrodeposited aluminum in accordance with MIL-DTL-83488, Type II, to withstand 500 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	Not for use on shield termination type connector accessories.
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

SECTION 11D

BACKSHELLS

STRAIN RELIEFS/CABLE CLAMPS

45° STRAIN RELIEF NON-LOCKING

B049AF43

For **SC30**, **SC50** & **SC70** Series (MIL-DTL-5015 Crimp & MIL-DTL-26482 Series 2)

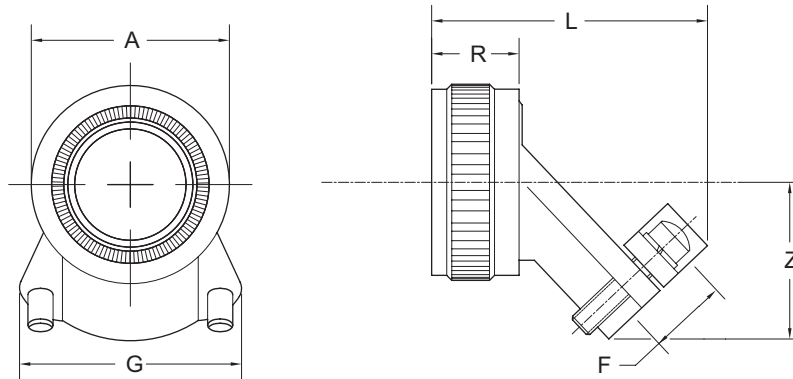
ORDERING INFORMATION

B049AF43 - 10 N

SERIES PREFIX — **DASH NUMBER** — **FINISH/MATERIAL**

See Dimension Table below.

CODE	FINISH	MATERIAL
C	Cadmium, olive drab	Aluminum Alloy
N	Electroless nickel	
W	Cadmium, olive drab suitable underplate 1000 hr. salt spray	



DASH NO.	FOR CONN. SHELL, SIZE (REF)		ØA +.000 -.045 [+0.00] [-1.14]	F WIRE BUNDLE RANGE [DIA.]		G ±.020 [±0.51]	L MAX CLOSED	R +.000 -.062 [+0.00] [-1-57]	Z MAX
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP							
				MAX	MIN				
3	-	-	.669 [16.99]	.204 [5.18]	.125 [3.17]	.732 [18.59]	1.490 [37.85]	.540 [13.72]	.772 [19.61]
8	8	8S	.617 [15.67]	.204 [5.18]	.125 [3.17]	.732 [18.59]	1.490 [37.85]	.540 [13.72]	.772 [19.61]
10	10	10S& 10SL	.734 [18.64]	.286 [7.26]	.187 [4.75]	.812 [20.62]	1.534 [38.96]	.540 [13.72]	.803 [20.40]
12	12	12S& 12	.858 [21.79]	.416 [10.57]	.291 [7.39]	.968 [24.59]	1.608 [40.84]	.540 [13.72]	.866 [22.00]
14	14	14S& 14	.984 [24.99]	.476 [12.09]	.351 [8.92]	1.026 [26.06]	1.650 [41.91]	.540 [13.72]	.928 [23.57]
16	16	16S&16	1.112 [28.24]	.625 [15.87]	.501 [12.73]	1.299 [32.99]	1.756 [44.60]	.540 [13.72]	.991 [25.17]
18	18	18	1.218 [30.94]	.706 [17.93]	.518 [13.16]	1.431 [36.35]	1.874 [47.60]	.540 [13.72]	1.110 [28.19]
20	20	20	1.345 [34.16]	.831 [21.11]	.581 [14.76]	1.537 [39.04]	1.918 [48.72]	.540 [13.72]	1.172 [29.77]
22	22	22	1.468 [37.29]	.956 [24.28]	.644 [16.36]	1.633 [41.48]	1.962 [49.83]	.540 [13.72]	1.235 [31.37]
24	24	24	1.593 [40.46]	1.081 [27.46]	.706 [17.93]	1.755 [44.58]	2.006 [50.95]	.540 [13.72]	1.297 [32.94]
28	-	28	1.969 [50.01]	1.187 [30.15]	.750 [19.05]	2.000 [50.80]	2.301 [58.45]	.702 [17.83]	1.543 [39.19]
32	-	32	2.219 [56.36]	1.250 [31.75]	.875 [22.22]	2.366 [60.10]	2.389 [60.68]	.702 [17.83]	1.668 [42.37]
36	-	36	2.469 [62.71]	1.375 [34.92]	.938 [23.83]	2.476 [62.89]	2.433 [61.80]	.702 [17.83]	1.793 [45.54]
40	-	40	2.719 [69.06]	1.500 [38.10]	.938 [23.83]	2.546 [64.67]	2.434 [61.82]	.702 [17.83]	1.918 [48.72]
44	-	44	2.969 [75.41]	1.750 [44.45]	1.188 [30.18]	2.840 [72.14]	2.700 [68.58]	.702 [17.83]	2.132 [54.15]
48	-	48	3.219 [81.76]	1.875 [47.62]	1.312 [33.32]	3.324 [84.43]	2.788 [70.82]	.702 [17.83]	2.257 [57.33]

1. Dimensions in brackets [] are in millimeters.
2. MS3415 Superseded by M85049/43

For **SC30**, **SC50** & **SC70** Series (MIL-DTL-5015 Crimp & MIL-DTL-26482 Series 2)

ORDERING INFORMATION

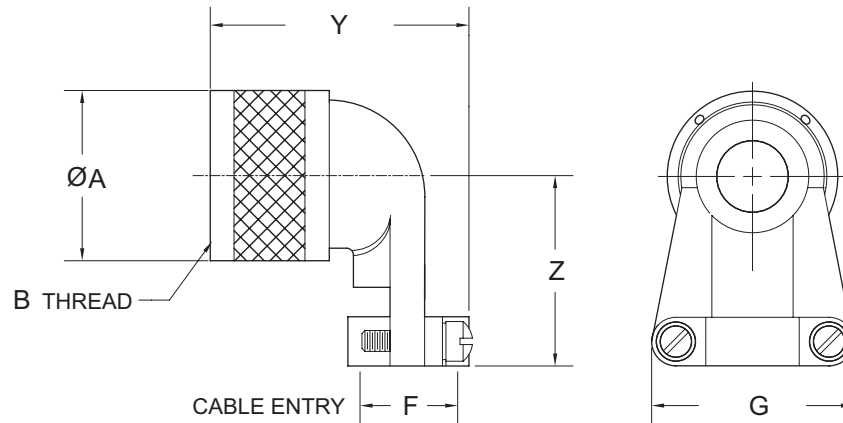
B049AF51-1 - 11 A

SERIES PREFIX — **DASH NUMBER** — **FINISH/MATERIAL**

See Dimension Table below.

For Self-Locking Version,
See Following Page

CODE	FINISH	MATERIAL
A	Non-conductive, black anodize	Aluminum Alloy
C	Cadmium, olive drab	
N	Electroless nickel	
W	Cadmium, olive drab suitable underplate 1000 hr. salt spray	



DASH NO.	FOR CONNECTOR SHELL SIZE (REF)		ØA MAX	B THREAD CLASS 2B	F WIRE BUNDLE RANGE [DIA.]		G ±.020 [±0.51]	Y MAX	Z ±.062 [±1.57]
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP			MAX	MIN			
8	8	8S	.617 [15.67]	.500-20 UNEF	.204 [5.18]	.125 [3.17]	.732 [18.59]	1.101 [27.97]	.746 [18.95]
10	10	10S & 10SL	.734 [18.64]	.625-24 UNEF	.286 [7.26]	.187 [4.75]	.812 [20.62]	1.183 [30.05]	.805 [20.45]
12	12	12S & 12	.858 [21.79]	.750-20 UNEF	.416 [10.57]	.291 [7.39]	.968 [24.59]	1.376 [34.95]	.867 [22.02]
14	14	14S & 14	.984 [24.99]	.875-20 UNEF	.476 [12.09]	.351 [8.92]	1.026 [26.06]	1.436 [36.47]	.930 [23.62]
16	16	16S & 16	1.112 [28.24]	1.000-20 UNEF	.625 [15.87]	.501 [12.73]	1.299 [32.99]	1.585 [40.26]	.994 [25.25]
18	18	18	1.218 [30.94]	1.062-18 UNEF	.706 [17.93]	.518 [13.16]	1.431 [36.35]	1.697 [43.10]	1.171 [29.74]
20	20	20	1.345 [34.16]	1.188-18 UNEF	.831 [21.11]	.581 [14.76]	1.537 [39.04]	1.822 [46.28]	1.234 [31.34]
22	22	22	1.468 [37.29]	1.312-18 UNEF	.956 [24.28]	.644 [16.36]	1.633 [41.48]	1.947 [49.45]	1.296 [32.92]
24	24	24	1.593 [40.46]	1.438-18 UNEF	1.081 [27.46]	.706 [17.93]	1.755 [44.58]	2.072 [52.63]	1.358 [34.49]
28	—	28	1.969 [50.01]	1.750-18 UNS	1.187 [30.15]	.750 [19.05]	2.000 [50.80]	2.372 [60.25]	1.572 [39.93]
32	—	32	2.219 [56.36]	2.000-18 UNS	1.250 [31.75]	.875 [22.22]	2.366 [60.10]	2.435 [61.85]	1.797 [45.64]
36	—	36	2.469 [62.71]	2.250-16 UN	1.375 [34.92]	.938 [23.83]	2.476 [62.89]	2.560 [65.02]	1.922 [48.82]
40	—	40	2.719 [69.06]	2.500-16 UN	1.500 [38.10]	.938 [23.83]	2.546 [64.67]	2.685 [68.20]	2.047 [51.99]
44	—	44	2.969 [75.41]	2.750-16 UN	1.7570 [44.63]	1.188 [30.18]	2.840 [72.14]	2.935 [74.55]	2.296 [58.32]
48	—	48	3.219 [81.76]	3.000-16 UN	1.875 [47.62]	1.312 [33.32]	3.324 [84.43]	3.060 [77.72]	2.421 [61.49]

Dimensions in brackets [] are in millimeters.

90° STRAIN RELIEF SELF-LOCKING

B049AF51S

For **SC30**, **SC50** & **SC70** Series (MIL-DTL-5015 Crimp & MIL-DTL-26482 Series 2)

ORDERING INFORMATION

B049AF51 S 11 A

SERIES PREFIX

CONFIGURATION

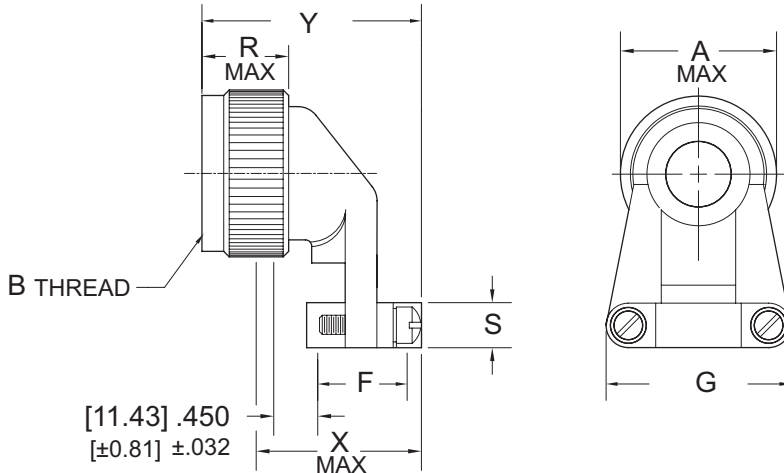
S Self-locking coupling.

DASH NUMBER

See Dimension Table below.

FINISH/MATERIAL

CODE	FINISH	MATERIAL
A	Non-conductive, black anodize	Aluminum
N	Electroless nickel	Alloy
S	Passivated	Stainless Steel
W	Cadmium, olive drab suitable underplate 1000 hr. salt spray	Aluminum Alloy



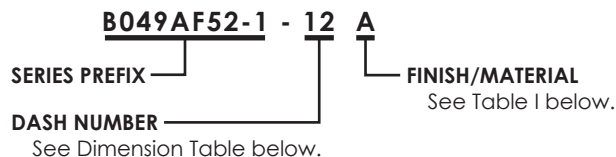
For Non-Locking Version,
See Previous Page

DASH NO.	FOR CONN. SHELL SIZE (REF)		ØA MAX	B THREAD CLASS 2B	F WIRE BUNDLE RANGE [DIA.]		G ±.020 [±0.51]	R MAX	S ±.020 [±0.51]	X MAX	Y MAX
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP			MIN	MAX					
8	8	8S	.885 [22.48]	.500-20 UNF	.204 [5.18]	.125 [3-17]	.732 [18.59]	.710 [18.03]	.250 [6.35]	.98 [24.89]	1.257 [31.93]
10	10	10S, 10SL	1.010 [25.65]	.625-24 UNEF	.286 [7.26]	.187 [4.75]	.812 [20.62]	.710 [18.03]	.250 [6.35]	1.02 [25.91]	1.339 [34.01]
12	12	12S, 12	1.135 [28.83]	.750-20 UNEF	.416 [10.57]	.291 [7.39]	.968 [24.59]	.710 [18.03]	.250 [6.35]	1.21 [30.73]	1.582 [40.18]
14	14	14S, 14	1.260 [32.00]	1.000-20 UNEF	.476 [12.09]	.351 [8.92]	1.026 [26.06]	.710 [18.03]	.50 [12.70]	1.27 [32.26]	1.592 [40.44]
16	16	16S, 16	1.385 [35.18]	1.062-18 UNEF	.625 [15.87]	.501 [12.73]	1.299 [32.99]	.710 [18.03]	.250 [6.35]	1.42 [36.07]	1.741 [44.22]
18	18	18	1.510 [38.35]	1.188-18 UNEF	.706 [17.93]	.518 [13.16]	1.431 [36.35]	.710 [18.03]	.375 [9.52]	1.53 [38.86]	1.853 [47.07]
20	20	20	1.635 [41.53]	1.438-18 UNEF	.831 [21.11]	.581 [14.76]	1.537 [39.04]	.710 [18.03]	.375 [9.52]	1.65 [41.91]	1.978 [50.24]
22	22	22	1.760 [44.70]	1.750-18 UNS	.956 [24.28]	.644 [16.36]	1.633 [41.48]	.710 [18.03]	.375 [9.52]	1.78 [45.21]	2.108 [53.54]
24	24	24	1.885 [47.88]	2.000-18 UNS	1.081 [27.46]	.706 [17.93]	1.755 [44.45]	.710 [18.03]	.375 [9.52]	1.90 [48.26]	2.228 [56.59]
28	-	28	2.135 [54.23]	2.250-16 UN	1.187 [30.15]	.750 [19.05]	2.000 [50.80]	.890 [22.61]	.500 [12.70]	2.20 [55.88]	2.528 [64.21]
32	-	32	2.395 [60.83]	2.500-16 UN	1.250 [31.75]	.875 [22.22]	2.366 [60.10]	.890 [22.61]	.500 [12.70]	2.27 [57.66]	2.591 [65.81]
36	-	36	2.635 [66.93]	2.250-16 UN	1.375 [34.92]	.938 [23.83]	2.476 [62.89]	.890 [22.61]	.500 [12.70]	2.39 [60.71]	2.716 [68.99]
40	-	40	2.885 [73.28]	2.500-16 UN	1.500 [38.10]	.938 [23.83]	2.546 [64.67]	.890 [22.61]	.500 [12.70]	2.52 [64.01]	2.814 [71.48]
44	-	44	3.135 [79.63]	2.750-16 UN	1.750 [44.45]	1.188 [30.18]	2.840 [72.14]	.890 [22.61]	.625 [15.87]	2.77 [70.36]	3.091 [78.51]
48	-	48	3.385 [85.98]	3.000-16 UN	1.875 [47.62]	1.312 [33.32]	3.324 [84.43]	.890 [22.61]	.625 [15.87]	2.89 [73.41]	3.216 [81.69]

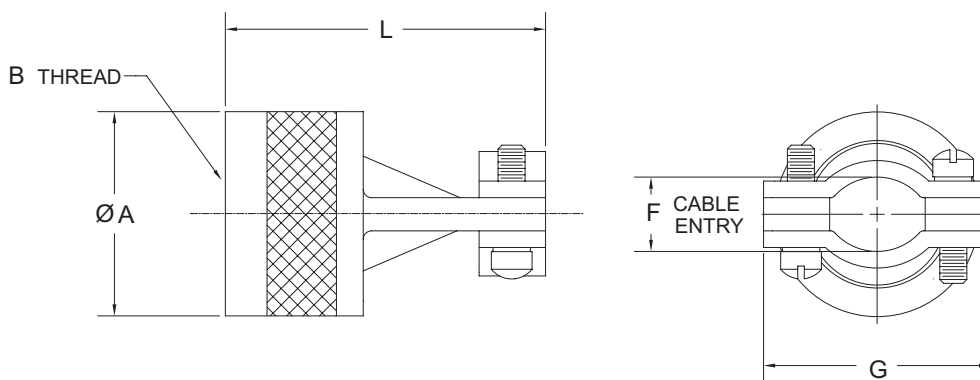
Dimensions in brackets [] are in millimeters.

For **SC30**, **SC50** & **SC70** Series (MIL-DTL-5015 Crimp & MIL-DTL-26482 Series 2)

ORDERING INFORMATION



For Self-Locking Version,
See Following Page



DASH NO.	FOR CONNECTOR SHELL SIZE (REF)		ØA MAX	B THREAD CLASS 2B	F WIRE BUNDLE RANGE [DIA.]		G ±.020 [±0.51]	L ±.062 [±1.57]
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP			MAX	MIN		
8	8	8S	.617 [15.67]	.500-20UNF	.204 [5.18]	.125 [3.17]	.732 [18.59]	.890 [22.61]
10	10	10S & 10SL	.734 [18.64]	.625-24 UNEF	.286 [7.26]	.187 [4.75]	.812 [20.62]	1.000 [25.40]
12	12	12S & 12	.858 [21.79]	.750-20 UNEF	.416 [10.57]	.291 [7.39]	.968 [24.59]	1.125 [28.57]
14	14	14S & 14	.984 [24.99]	.875-20 UNEF	.476 [12.09]	.351 [8.92]	1.026 [26.06]	1.125 [28.57]
16	16	16S & 16	1.112 [28.24]	1.000-20 UNEF	.625 [15.90]	.501 [12.73]	1.299 [32.99]	1.250 [31.75]
18	18	18	1.218 [30.94]	1.062-18 UNEF	.706 [17.93]	.518 [13.16]	1.431 [36.35]	1.500 [38.10]
20	20	20	1.345 [34.16]	1.188-18 UNEF	.831 [21.11]	.581 [14.76]	1.537 [39.04]	1.625 [41.27]
22	22	22	1.468 [37.29]	1.312-18 UNEF	.956 [24.28]	.644 [16.36]	1.633 [41.48]	1.750 [44.45]
24	24	24	1.593 [40.46]	1.438-18 UNEF	1.081 [27.46]	.706 [17.93]	1.755 [44.58]	1.875 [47.62]
28	—	28	1.969 [50.01]	1.750-18UNS	1.187 [30.15]	.750 [19.05]	2.000 [50.80]	2.187 [55.55]
32	—	32	2.219 [56.36]	2.000-18 UNS	1.250 [31.75]	.875 [22.22]	2.366 [60.10]	2.375 [60.32]
36	—	36	2.469 [62.71]	2.250-16 UN	1.375 [34.92]	.938 [23.83]	2.476 [62.89]	2.750 [69.85]
40	—	40	2.719 [69.06]	2.500-16 UN	1.500 [38.10]	.938 [23.83]	2.546 [64.67]	2.938 [74.63]
44	—	44	2.969 [75.41]	2.750-16 UN	1.750 [44.45]	1.188 [30.18]	2.840 [72.14]	3.312 [84.12]
48	—	48	3.219 [81.76]	3.000-16 UN	1.875 [47.62]	1.312 [33.32]	3.324 [84.43]	3.687 [93.65]

1. Dimensions in Brackets [] are in millimeters.
2. MS3417 Superseded by M85049/52-1.

TABLE I - AVAILABLE FINISHES

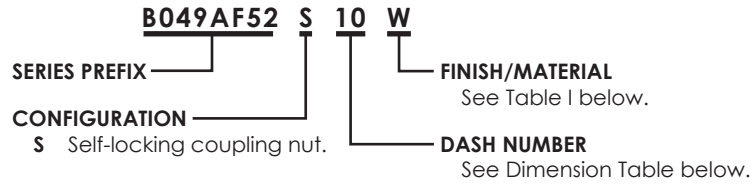
CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.		-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.	Stainless Steel	-65 to +200 °C	

STRAIGHT STRAIN RELIEF SELF-LOCKING

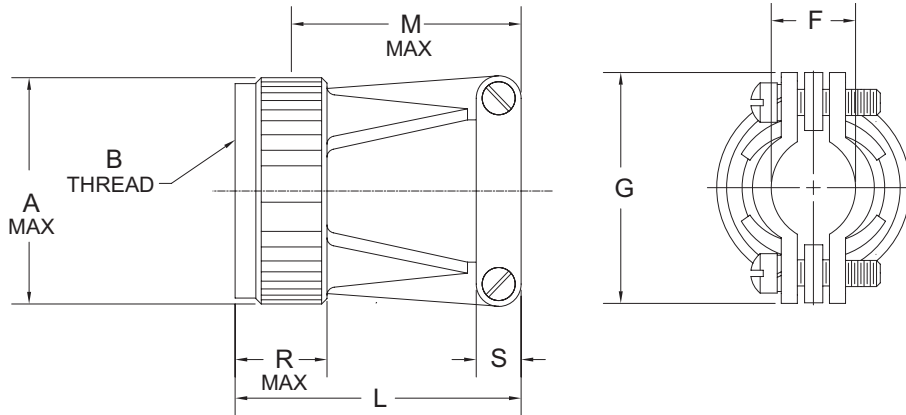
B049AF52S

For **SC30**, **SC50** & **SC70** Series (MIL-DTL-5015 Crimp & MIL-DTL-26482 Series 2)

ORDERING INFORMATION



For Non-Self-Locking Version,
See Previous Page



DASH NO.	FOR CONN. SHELL SIZE (REF)		ØA MAX	B THREAD CLASS 2B	F WIRE BUNDLE RANGE [DIA.]		G ±.020 [±0.51]	L MAX	M MAX	R MAX	S ±.020 [±0.51]
	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP			MAX	MIN					
8	8	8S	.855 [21.72]	.500-20 UNF	.204 [5.18]	.125 [3.17]	.732 [18.59]	1.04 [26.42]	.73 [18.54]	.710 [18.03]	.250 [6.35]
10	10	10S, 10SL	1.010 [25.65]	.625-24 UNEF	.286 [7.26]	.187 [4.75]	.812 [20.62]	1.16 [29.46]	.85 [21.59]	.710 [18.03]	.250 [6.35]
12	12	12S, 12	1.135 [28.83]	.750-20 UNEF	.416 [10.57]	.291 [7.39]	.968 [24.59]	1.29 [32.77]	.98 [24.89]	.710 [18.03]	.250 [6.35]
14	14	14S, 14	1.260 [32.00]	.875-20 UNEF	.476 [12.09]	.351 [8.92]	1.026 [26.06]	1.29 [32.77]	.98 [24.89]	.710 [18.03]	.250 [6.35]
16	16	16S, 16	1.385 [35.18]	1.000-20 UNEF	.625 [15.87]	.501 [12.73]	1.299 [32.99]	1.41 [35.81]	1.10 [27.94]	.710 [18.03]	.250 [6.35]
18	18	18	1.510 [38.35]	1.062-18 UNEF	.706 [17.93]	.518 [13.16]	1.431 [36.35]	1.66 [42.16]	1.35 [34.29]	.710 [18.03]	.375 [9.52]
20	20	20	1.635 [41.53]	1.188-18 UNEF	.831 [21.11]	.581 [14.76]	1.537 [39.04]	1.79 [45.47]	1.48 [37.59]	.710 [18.03]	.375 [9.52]
22	22	22	1.760 [44.70]	1.312-18 UNEF	.956 [24.28]	.644 [16.36]	1.633 [41.48]	1.91 [48.51]	1.60 [40.64]	.710 [18.03]	.375 [9.52]
24	24	24	1.885 [47.88]	1.438-18 UNEF	1.081 [27.46]	.706 [17.93]	1.755 [44.58]	2.04 [51.82]	1.73 [43.94]	.710 [18.03]	.375 [9.52]
28	–	28	2.135 [54.23]	1.750-18 UNS	1.187 [30.15]	.750 [19.05]	2.000 [50.80]	2.35 [59.69]	1.88 [47.75]	.890 [22.61]	.500 [12.70]
32	–	32	2.395 [60.83]	2.000-18 UNS	1.250 [31.75]	.875 [22.22]	2.366 [60.10]	2.60 [66.04]	2.13 [54.10]	.890 [22.61]	.500 [12.70]
36	–	36	2.635 [66.93]	2.250-16 UN	1.375 [34.92]	.938 [23.83]	2.476 [62.89]	2.91 [73.91]	2.44 [61.98]	.890 [22.61]	.500 [12.70]
40	–	40	2.885 [73.28]	2.500-16 UN	1.500 [38.10]	.938 [23.83]	2.546 [64.67]	3.10 [78.74]	2.63 [66.80]	.890 [22.61]	.500 [12.70]
44	–	44	3.135 [79.63]	2.750-16 UN	1.750 [44.45]	1.188 [30.18]	2.840 [72.14]	3.47 [88.14]	3.00 [76.20]	.890 [22.61]	.625 [15.87]
48	–	48	3.385 [85.98]	3.000-16 UN	1.875 [47.62]	1.312 [33.32]	3.324 [84.43]	3.87 [98.30]	3.40 [86.36]	.890 [22.61]	.625 [15.87]

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.		-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.	Stainless Steel	-65 to +200 °C	



FOR **SC1*** & **SC2*** SERIES (MIL-DTL-38999 SERIES I & II)

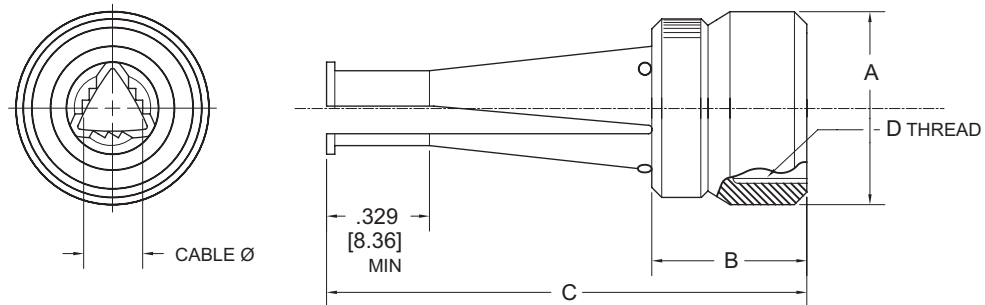
ORDERING INFORMATION

B049BF45 A 16

SERIES PREFIX — **FINISH/MATERIAL** — **DASH NUMBER**

See Table I below.

See Dimension Table below.



DASH NO.	SHELL SIZE		A MAX	B MAX	C MAX	D THREAD CLASS 2B UNEF	CABLE DIAMETER	
	SERIES II	SERIES I					MIN.	MAX.
8	8	9	.578 [14.68]	.422 [10.72]	1.344 [34.14]	.4375-28	.094 [2.39]	.203 [5.16]
10	10	11	.703 [17.86]	.422 [10.72]	1.344 [34.14]	.5625-24	.141 [3.58]	.250 [6.35]
12	12	13	.828 [21.03]	.422 [10.72]	1.344 [34.14]	.6875-24	.172 [4.37]	.323 [8.20]
14	14	15	.953 [24.21]	.422 [10.72]	1.344 [34.14]	.8125-20	.203 [5.16]	.422 [10.72]
16	16	17	1.078 [27.38]	.422 [10.72]	1.344 [34.14]	.9375-20	.234 [5.94]	.500 [12.70]
18	18	19	1.203 [30.56]	.422 [10.72]	1.344 [34.14]	1.0625-18	.265 [6.73]	.562 [14.27]
20	20	21	1.328 [33.73]	.422 [10.72]	1.422 [36.12]	1.1875-18	.297 [7.54]	.625 [15.87]
22	22	23	1.453 [36.91]	.422 [10.72]	1.422 [36.12]	1.3125-18	.328 [8.33]	.703 [17.86]
24	24	25	1.578 [40.08]	.344 [8.74]	1.422 [36.12]	1.4375-18	.359 [9.12]	.765 [19.43]

1. Dimensions in brackets [] are in millimeters.

2. MS27663*-1 superseded by M85049/45.

TABLE I - AVAILABLE FINISHES

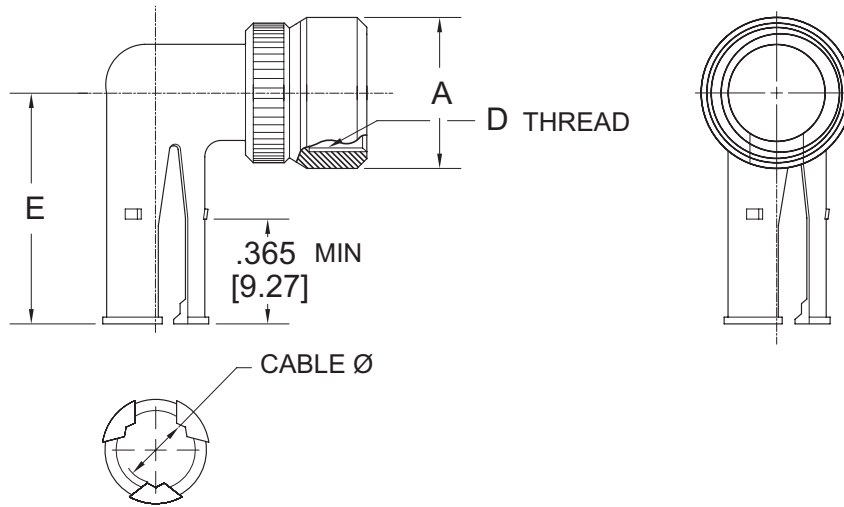
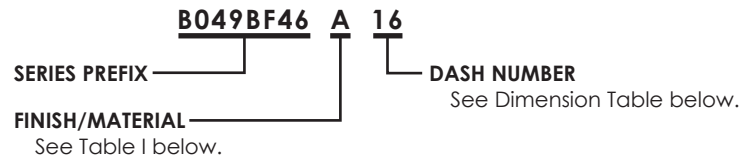
CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Y	Pure dense electrodeposited aluminum in accordance with MIL-DTL-83488, Type II, to withstand 500 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	Not for use on shield termination type connector accessories.
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

90° STRAIN RELIEF NON-LOCKING

B049BF46

FOR SC1* & SC2* SERIES (MIL-DTL-38999 SERIES I & II)

ORDERING INFORMATION



DASH NO.	SHELL SIZE		A MAX	D THREAD CLASS 2B UNEF	E MAX	CABLE DIAMETER	
	SERIES II	SERIES I				MIN.	MAX.
8	8	9	.578 [14.68]	.4375-28	1.015 [25.78]	.094 [2.39]	.203 [5.16]
10	10	11	.703 [17.86]	.5625-24	1.062 [26.97]	.141 [3.58]	.250 [6.35]
12	12	13	.828 [21.03]	.6875-24	1.125 [28.57]	.172 [4.37]	.323 [8.20]
14	14	15	.953 [24.21]	.8125-20	1.328 [33.73]	.203 [5.16]	.422 [10.72]
16	16	17	1.078 [27.38]	.9375-20	1.392 [35.36]	.234 [5.94]	.500 [12.70]
18	18	19	1.203 [30.56]	1.0625-18	1.453 [36.91]	.265 [6.73]	.562 [14.27]
20	20	21	1.328 [33.73]	1.1875-18	1.609 [40.87]	.297 [7.54]	.625 [15.87]
22	22	23	1.453 [36.91]	1.3125-18	1.656 [42.06]	.328 [8.33]	.703 [17.86]
24	24	25	1.578 [40.08]	1.4375-18	1.719 [43.66]	.359 [9.12]	.765 [19.43]

1. Dimensions in brackets [] are in millimeters.
2. MS27663*-2 superseded by M85049/46.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
X	Nickel fluorocarbon polymer. Nickel with fluorocarbon polymer additives over a suitable underplate to withstand 1000 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	
Y	Pure dense electrodeposited aluminum in accordance with MIL-DTL-83488, Type II, to withstand 500 hours of salt spray testing. Color shall be non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	Not for use on shield termination type connector accessories.
Z	Zinc nickel in accordance with ASTM B841 over suitable underplate to withstand 1000 hours of salt spray testing. Color shall be black, conductive, and non-reflective. Final finish shall be electrically conductive.		-65 to +175 °C	

FOR **SC1*** & **SC2*** SERIES (MIL-DTL-38999 SERIES I & II)

ORDERING INFORMATION

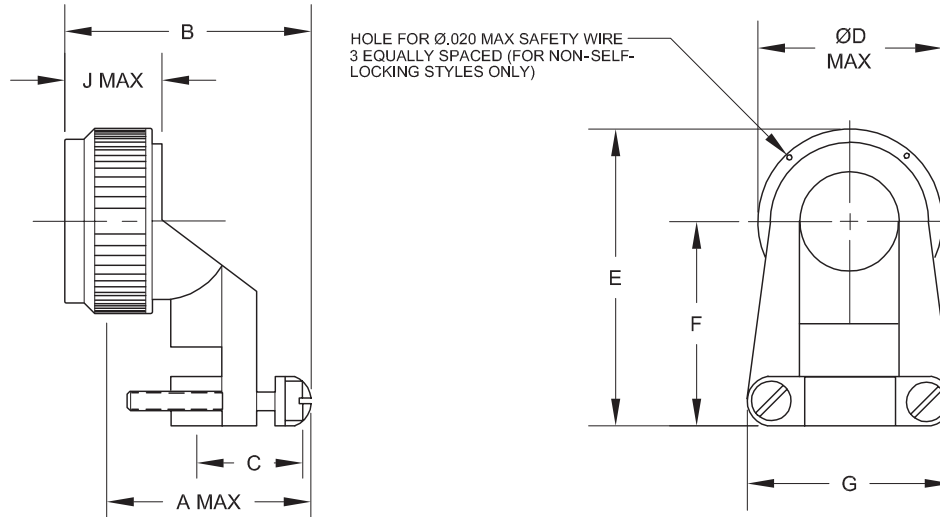
B049BF47 S W 10

SERIES PREFIX — **B049BF47**

CONFIGURATION — **S** Non self-locking coupling nut.
S Self-locking coupling nut.

FINISH/MATERIAL — **W** See Table I below.

DASH NUMBER — **10** See Dimension Table below.



DASH NO.	CONNECTOR SHELL SIZE		A MAX	B MAX	C CABLE ENTRY		D MAX		E MAX	F MAX	G MAX	J MAX	
	SERIES II	SERIES I			MIN. OPEN	MAX. CLOSED	SELF-LOCK	NON-LOCK				SELF-LOCK	NON-LOCK
8	8	9	1.16 [29.46]	1.38 [35.05]	.234 [5.94]	.098 [2.49]	.86 [21.84]	.75 [19.05]	1.38 [35.05]	1.00 [25.40]	.85 [21.59]	.590 [14.99]	.540 [13.72]
10	10	11	1.16 [29.46]	1.38 [35.05]	.234 [5.94]	.153 [3.89]	.98 [24.89]	.85 [21.59]	1.53 [38.86]	1.10 [27.94]	.90 [22.86]	.590 [14.99]	.540 [13.72]
12	12	13	1.24 [31.50]	1.46 [37.08]	.238 [6.05]	.190 [4.83]	1.16 [29.46]	1.00 [25.40]	1.60 [40.64]	1.10 [27.94]	1.10 [27.94]	.590 [14.99]	.540 [13.72]
14	14	15	1.41 [35.81]	1.63 [41.40]	.457 [11.61]	.260 [6.60]	1.28 [32.51]	1.10 [27.94]	1.80 [45.72]	1.25 [31.75]	1.15 [29.21]	.590 [14.99]	.540 [13.72]
16	16	17	1.58 [40.13]	1.80 [45.72]	.634 [16.10]	.283 [7.19]	1.41 [35.81]	1.25 [31.75]	1.93 [49.02]	1.30 [33.02]	1.30 [33.02]	.590 [14.99]	.540 [13.72]
18	18	19	1.60 [40.64]	1.82 [46.23]	.614 [15.60]	.325 [8.25]	1.52 [38.61]	1.40 [35.56]	2.05 [52.07]	1.35 [34.29]	1.50 [38.10]	.590 [14.99]	.540 [13.72]
20	20	21	1.68 [42.67]	1.90 [48.26]	.698 [17.73]	.343 [8.71]	1.64 [41.66]	1.50 [38.10]	2.35 [59.69]	1.60 [40.64]	1.60 [40.64]	.590 [14.99]	.540 [13.72]
22	22	23	1.82 [46.23]	2.04 [51.82]	.823 [20.90]	.381 [9.68]	1.77 [44.96]	1.65 [41.91]	2.58 [65.53]	1.75 [44.45]	1.70 [43.18]	.590 [14.99]	.540 [13.72]
24	24	25	1.93 [49.02]	2.15 [54.61]	.853 [21.67]	.418 [10.62]	1.89 [48.01]	1.75 [44.45]	2.73 [69.34]	1.85 [46.99]	1.80 [45.72]	.590 [14.99]	.540 [13.72]

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

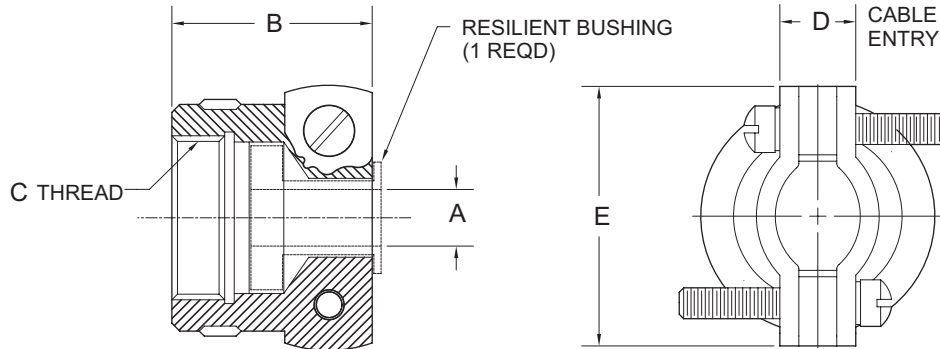
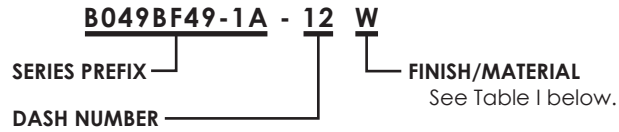
CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.	Aluminum Alloy	-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.	Stainless Steel	-65 to +200 °C	

STRAIGHT STRAIN RELIEF NON-LOCKING

B049BF49-1A

For **SC1*** & **SC2*** Series (MIL-DTL-27599 & MIL-DTL-38999 Series I & II)

ORDERING INFORMATION



DASH NO.	SHELL SIZE SERIES II	A +.010 -.025 [+0.25] [-0.63] FREE DIA	B	C THREAD CLASS 2B UNEF	D CABLE ENTRY		E MAX
					MIN OPEN	MAX CLOSED	
8	8	.125 [3.17]	.781 [19.84]	.4375-28	.234 [5.94]	.187 [4.75]	.828 [21.03]
10	10	.188 [4.78]		.5625-24	.297 [7.54]	.187 [4.75]	.891 [22.63]
12	12	.312 [7.92]		.6875-24	.422 [10.72]	.281 [7.14]	1.016 [25.81]
14	14	.375 [9.52]	.844 [21.44]	.8125-20	.547 [13.89]	.325 [8.25]	1.141 [28.98]
16	16	.500 [12.70]		.9375-20	.609 [15.47]	.356 [9.04]	1.203 [30.56]
18	18	.625 [15.87]		1.0625-18	.734 [18.64]	.456 [11.58]	1.469 [37.31]
20	20	.625 [15.87]	.906 [23.01]	1.1875-18	.734 [18.64]	.519 [13.18]	1.469 [37.31]
22	22	.750 [19.05]		1.3125-18	.922 [23.42]	.519 [13.18]	1.656 [42.06]
24	24	.800 [20.32]		1.4375-18	.964 [24.49]	.657 [16.69]	1.750 [44.45]

1. Dimensions in brackets [] are in millimeters.
2. MS27342*-2 superseded by M85049/49-1.

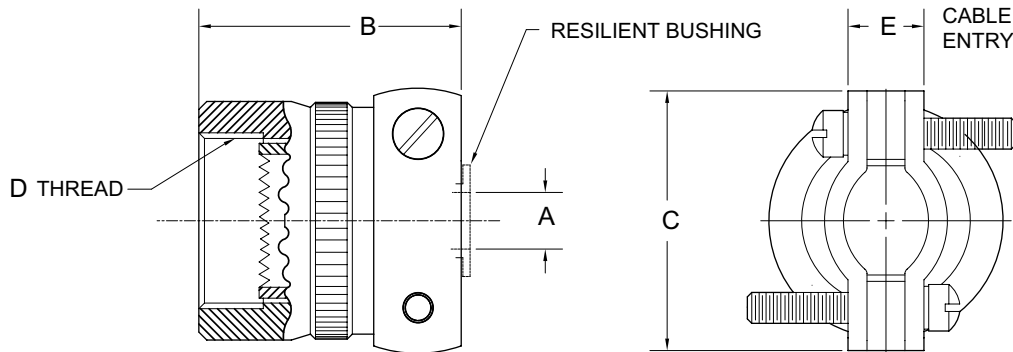
TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.		-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.	Stainless Steel	-65 to +200 °C	



For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

ORDERING INFORMATION



DASH NO.	SHELL SIZE		A +.010 -.025 [+0.25] [-0.63] FREE	B MAX	C MAX	D THREAD CLASS 2B UNEF	E CABLE ENTRY	
	SERIES II	SERIES I					MIN. OPEN	MAX. CLOSED
8	8	9	.125 [3.17]	1.078 [27.38]	.828 [21.03]	.4375-28	.234 [5.94]	.187 [4.75]
10	10	11	.188 [4.78]		.891 [22.63]	.5625-24	.297 [7.54]	.187 [4.75]
12	12	13	.312 [7.92]		1.016 [25.81]	.6875-24	.422 [10.72]	.281 [7.14]
14	14	15	.375 [9.52]	1.312 [33.32]	1.141 [28.98]	.8125-20	.547 [13.89]	.325 [8.25]
16	16	17	.500 [12.70]		1.203 [30.56]	.9375-20	.609 [15.47]	.356 [9.04]
18	18	19	.625 [15.87]		1.469 [37.31]	1.0625-18	.734 [18.64]	.456 [11.58]
20	20	21	.625 [15.87]		1.469 [37.31]	1.1875-18	.734 [18.64]	.519 [13.18]
22	22	23	.750 [19.05]	1.453 [36.91]	1.656 [42.06]	1.3125-18	.922 [23.42]	.519 [13.18]
24	24	25	.800 [20.32]	1.375 [34.92]	1.750 [44.45]	1.4375-18	.984 [24.99]	.657 [16.69]

Dimensions in brackets [] are in millimeters.
2. MS27506*-2 superseded by M85049/49-2 Rev A.

TABLE I - AVAILABLE FINISHES

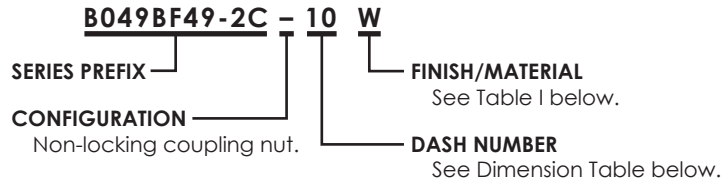
CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.		-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.	Stainless Steel	-65 to +200 °C	

STRAIGHT STRAIN RELIEF NON-LOCKING

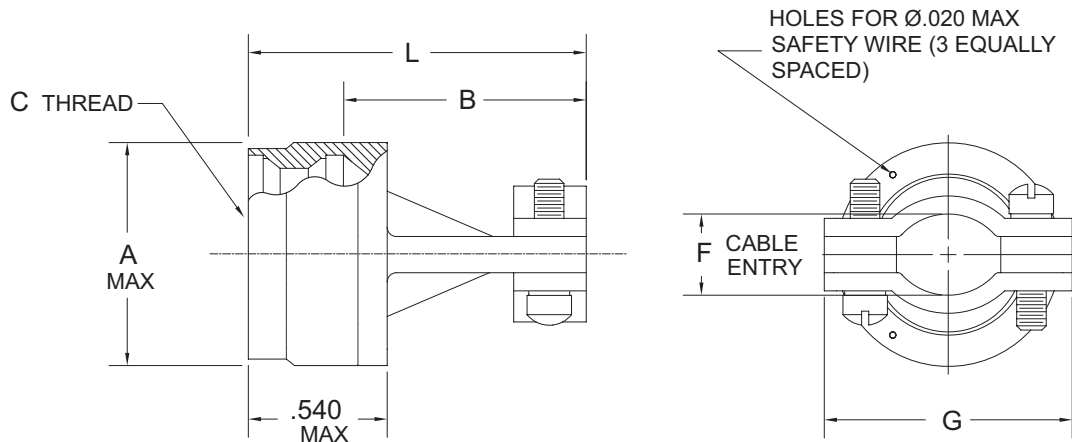
B049BF49-2C

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

ORDERING INFORMATION



For Self-Locking Version See Next Page



DASH NO.	CONNECTOR SHELL SIZE		A MAX	B MAX	C THREAD CLASS 2B UNEF	F WIRE BUNDLE RANGE [DIA.]		G MAX	L MAX
	SERIES I	SERIES II				MIN.	MAX.		
8	9	8	.75 [19.05]	.91 [23.11]	.4375-28	.093 [2.36]	.234 [5.94]	.85 [21.59]	1.10 [27.94]
10	11	10	.85 [21.59]	.91 [23.11]	.5625-24	.153 [3.89]	.234 [5.94]	.90 [22.86]	1.10 [27.94]
12	13	12	1.00 [25.40]	1.01 [25.65]	.6875-24	.190 [4.83]	.328 [8.33]	1.10 [27.94]	1.20 [30.48]
14	15	14	1.10 [27.94]	1.06 [26.92]	.8125-20	.260 [6.60]	.457 [11.61]	1.15 [29.21]	1.25 [31.75]
16	17	16	1.25 [31.75]	1.16 [29.46]	.9375-20	.283 [7.19]	.614 [15.60]	1.30 [33.02]	1.35 [34.29]
18	19	18	1.40 [35.56]	1.41 [35.81]	1.0625-18	.325 [8.25]	.634 [16.10]	1.50 [38.10]	1.60 [40.64]
20	21	20	1.50 [38.10]	1.51 [38.35]	1.1875-18	.343 [8.71]	.698 [17.73]	1.60 [40.64]	1.70 [43.18]
22	23	22	1.65 [41.91]	1.66 [42.16]	1.3125-18	.381 [9.68]	.823 [20.90]	1.70 [43.18]	1.85 [46.99]
24	25	24	1.75 [44.45]	1.76 [44.70]	1.4375-18	.418 [10.62]	.853 [21.67]	1.80 [45.72]	1.95 [49.53]

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.		-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.	Stainless Steel	-65 to +200 °C	

For **SC1*** & **SC2*** Series (MIL-DTL-38999 Series I & II)

11D

ORDERING INFORMATION

B049BF49-2 S 10 W

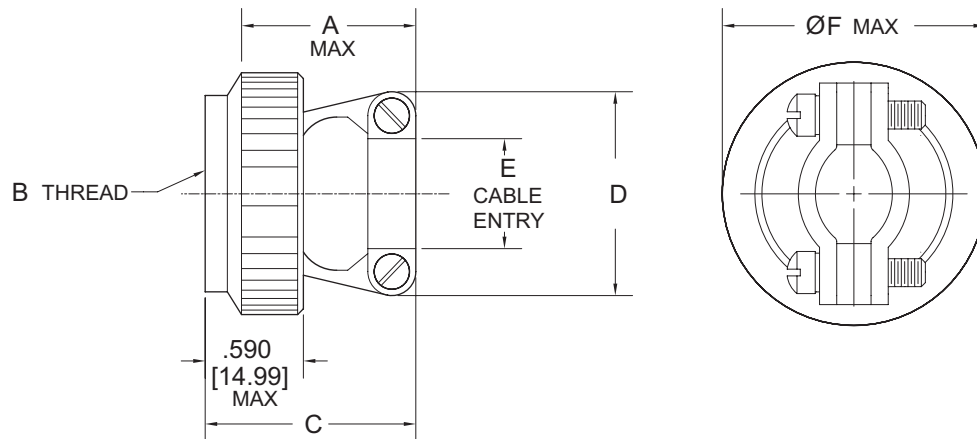
SERIES PREFIX — **B049BF49-2**

CONFIGURATION — **S** Self-locking coupling nut.

FINISH/MATERIAL — **W** See Table I below.

DASH NUMBER — **10** See Dimension Table below.

For Non-Locking Version, See Previous Page



DASH NO.	CONNECTOR SHELL SIZE		A MAX	B THREAD CLASS 2B UNEF	C MAX	D MAX	E WIRE BUNDLE RANGE [DIA.]		ØF MAX
	SERIES I	SERIES II					MIN.	MAX.	
8	9	8	.91 [23.11]	.4375-28	1.10 [27.94]	.85 [21.59]	.098 [2.49]	.234 [5.94]	.859 [21.82]
10	11	10	.91 [23.11]	.5625-24	1.10 [27.94]	.90 [22.86]	.153 [3.89]	.234 [5.94]	.984 [24.99]
12	13	12	1.01 [25.65]	.6875-24	1.20 [30.48]	1.10 [27.94]	.190 [4.83]	.328 [8.33]	1.156 [29.36]
14	15	14	1.06 [26.92]	.8125-20	1.25 [31.75]	1.15 [29.21]	.260 [6.60]	.457 [11.61]	1.281 [32.54]
16	17	16	1.16 [29.46]	.9375-20	1.35 [34.29]	1.30 [33.02]	.283 [7.19]	.614 [15.60]	1.406 [35.71]
18	19	18	1.41 [35.81]	1.0625-18	1.60 [40.64]	1.50 [38.10]	.325 [8.25]	.634 [16.10]	1.516 [38.51]
20	21	20	1.51 [38.35]	1.1875-18	1.70 [43.18]	1.60 [40.64]	.343 [8.71]	.698 [17.73]	1.641 [41.68]
22	23	22	1.66 [42.16]	1.3125-18	1.85 [46.99]	1.70 [43.18]	.381 [9.68]	.823 [20.90]	1.765 [44.83]
24	25	24	1.76 [44.70]	1.4375-18	1.95 [49.53]	1.80 [45.72]	.418 [10.62]	.853 [21.67]	1.891 [48.03]

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

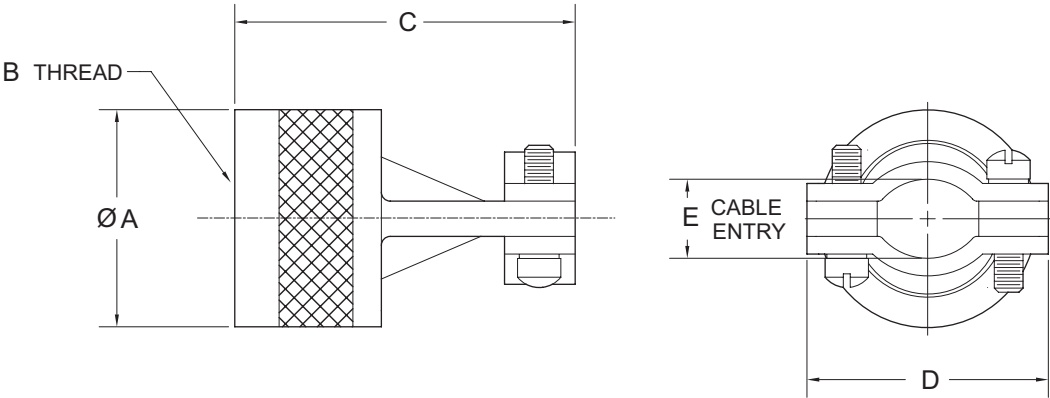
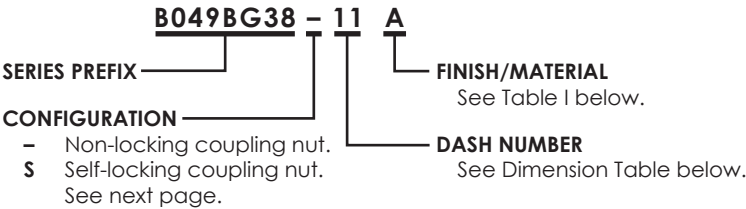
CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.		-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.	Stainless Steel	-65 to +200 °C	

STRAIGHT STRAIN RELIEF NON-LOCKING

B049BG38

For **SC3*** Series (MIL-DTL-38999 Series III)

ORDERING INFORMATION



SHELL SIZE	SHELL SIZE CODE (REF)	A MAX	B THREAD METRIC R.H. CLASS 6H	C MAX	D MAX	E CABLE ENTRY	
						OPEN MIN	CLOSED MAX
9	A	.75 [19.05]	M12x1.0-0.100R	1.10 [27.94]	.85 [21.59]	.234 [5.94]	.082 [2.08]
11	B	.85 [21.59]	M15x1.0-0.100R	1.10 [27.94]	.90 [22.86]	.234 [5.94]	.082 [2.08]
13	C	1.00 [25.40]	M18x1.0-0.100R	1.20 [30.48]	1.10 [27.94]	.328 [8.33]	.114 [2.90]
15	D	1.10 [27.94]	M22x 1.0-0.100R	1.25 [31.75]	1.15 [29.21]	.457 [11.61]	.176 [4.47]
17	E	1.25 [31.75]	M25x 1.0-0.100R	1.35 [34.29]	1.30 [33.02]	.634 [16.10]	.238 [6.05]
19	F	1.40 [35.56]	M28x 1.0-0.100R	1.60 [40.64]	1.50 [38.10]	.614 [15.60]	.208 [5.28]
21	G	1.50 [38.10]	M31 x 1.0-0.100R	1.70 [43.18]	1.60 [40.64]	.698 [17.73]	.302 [7.67]
23	H	1.65 [41.91]	M34x 1.0-0.100R	1.85 [46.99]	1.70 [43.18]	.823 [20.90]	.302 [7.67]
25	J	1.75 [44.45]	M37x 1.0-0.100R	1.95 [49.53]	1.80 [45.72]	.853 [21.67]	.332 [8.43]

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.		-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.	Stainless Steel	-65 to +200 °C	

For **SC3*** Series (MIL-DTL-38999 Series III)

11D

ORDERING INFORMATION

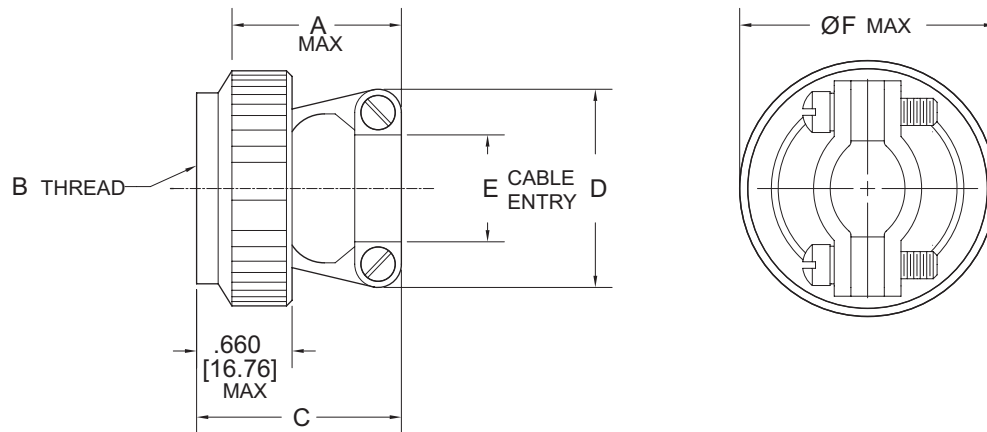
B049BG38 S 11 W

SERIES PREFIX — **CONFIGURATION** — **FINISH/MATERIAL** — **SHELL SIZE**

See Table I below.

See Dimension Table below.

— Non-locking coupling nut. See previous page.
S Self-locking coupling nut.



SHELL SIZE	SHELL SIZE CODE (REF)	A MAX	B THREAD METRIC R.H. CLASS 6H	C MAX	D MAX	E CABLE ENTRY		ØF MAX
						OPEN MIN	CLOSED MAX	
9	A	.91 [23.11]	M12x1.0-0.100R	1.10 [27.94]	.85 [21.59]	.234 [5.94]	.098 [2.49]	.858 [21.79]
11	B	.91 [23.11]	M15x1.0-0.100R	1.10 [27.94]	.90 [22.86]	.234 [5.94]	.153 [3.89]	.984 [24.99]
13	C	1.01 [25.65]	M18x1.0-0.100R	1.20 [30.48]	1.10 [27.94]	.328 [8.33]	.190 [4.83]	1.157 [29.39]
15	D	1.06 [26.92]	M22x 1.0-0.100R	1.25 [31.75]	1.15 [29.21]	.457 [11.61]	.260 [6.60]	1.279 [32.49]
17	E	1.16 [29.46]	M25x 1.0-0.100R	1.35 [34.29]	1.30 [33.02]	.634 [16.10]	.283 [7.19]	1.406 [35.71]
19	F	1.41 [35.81]	M28x 1.0-0.100R	1.60 [40.64]	1.50 [38.10]	.614 [15.60]	.325 [8.25]	1.516 [38.51]
21	G	1.51 [38.35]	M31 x 1.0-0.100R	1.70 [43.18]	1.60 [40.64]	.698 [17.73]	.343 [8.71]	1.642 [41.71]
23	H	1.66 [42.16]	M34x 1.0-0.100R	1.85 [46.99]	1.70 [43.18]	.823 [20.90]	.381 [9.68]	1.768 [44.91]
25	J	1.76 [44.70]	M37x 1.0-0.100R	1.95 [49.53]	1.80 [45.72]	.853 [21.67]	.418 [10.62]	1.889 [47.98]

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.		-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.	Stainless Steel	-65 to +200 °C	

90° STRAIN RELIEF NON-LOCKING

B049BG39

For **SC3*** Series (MIL-DTL-38999 Series III)

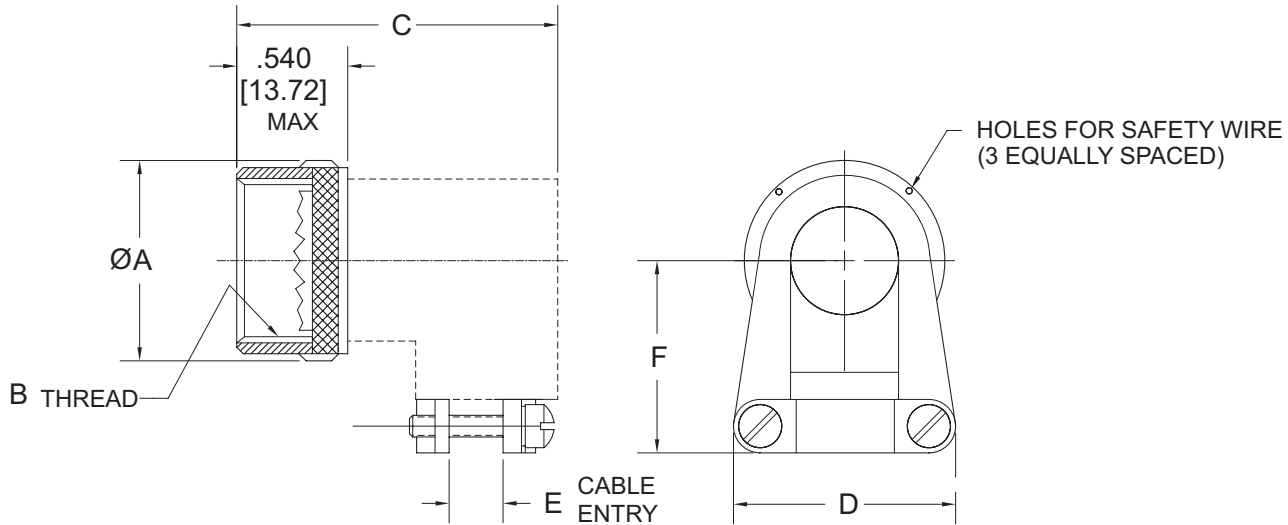
ORDERING INFORMATION

B049BG39 - 11 A

SERIES PREFIX — **CONFIGURATION** — **DASH NUMBER** — **FINISH/MATERIAL**

— Non-locking coupling nut
S Self-locking coupling nut.
See next page.

See Table I below.
See Dimension Table below.



SHELL SIZE	SHELL SIZE CODE (REF)	A MAX	B THREAD METRIC R.H. CLASS 6H	C MAX	D MAX	E CABLE ENTRY		F MAX
						OPEN MIN	CLOSED MAX	
9	A	.75 [19.05]	M12x1.0-0.100R	1.20 [30.48]	.85 [21.59]	.234 [5.94]	.082 [2.08]	1.00 [25.40]
11	B	.85 [21.59]	M15x1.0-0.100R	1.20 [30.48]	.90 [22.86]	.234 [5.94]	.082 [2.08]	1.10 [27.94]
13	C	1.00 [25.40]	M18x1.0-0.100R	1.40 [35.56]	1.10 [27.94]	.328 [8.33]	.114 [2.90]	1.10 [27.94]
15	D	1.10 [27.94]	M22x 1.0-0.100R	1.45 [36.83]	1.15 [29.21]	.457 [11.61]	.176 [4.47]	1.25 [31.75]
17	E	1.25 [31.75]	M25x 1.0-0.100R	1.60 [40.64]	1.30 [33.02]	.634 [16.10]	.238 [6.05]	1.30 [33.02]
19	F	1.40 [35.56]	M28x 1.0-0.100R	1.70 [43.18]	1.50 [38.10]	.614 [15.60]	.208 [5.28]	1.35 [34.29]
21	G	1.50 [38.10]	M31 x 1.0-0.100R	1.85 [46.99]	1.60 [40.64]	.698 [17.73]	.302 [7.67]	1.60 [40.64]
23	H	1.65 [41.91]	M34x 1.0-0.100R	1.95 [49.53]	1.70 [43.18]	.823 [20.90]	.302 [7.67]	1.75 [44.45]
25	J	1.75 [44.45]	M37x 1.0-0.100R	2.10 [53.34]	1.80 [45.72]	.853 [21.67]	.332 [8.43]	1.85 [46.99]

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.		-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.	Stainless Steel	-65 to +200 °C	

For **SC3*** Series (MIL-DTL-38999 Series III)

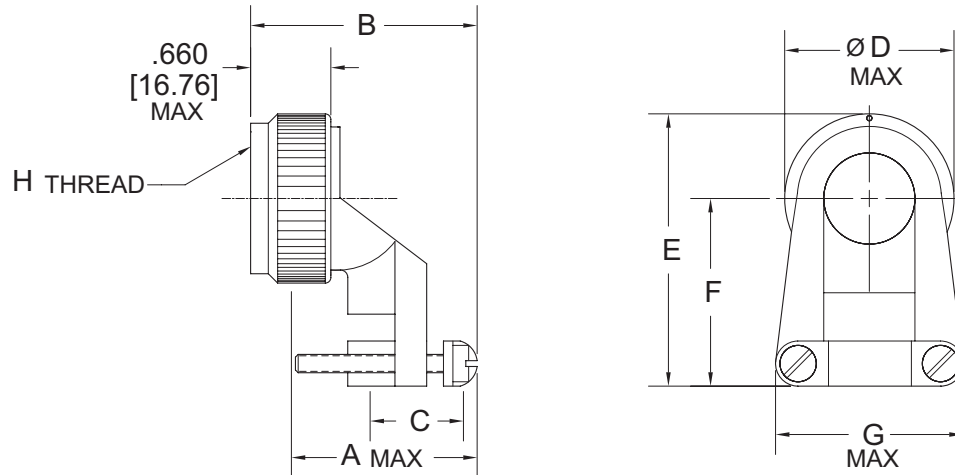
ORDERING INFORMATION

B049BG39 S 11 W

SERIES PREFIX — **CONFIGURATION** — **SHELL SIZE** — **FINISH/MATERIAL**

— Non-locking coupling nut. See previous page.
S Self-locking coupling nut.

See Table I below.
 See Dimension Table below.



SHELL SIZE	SHELL SIZE CODE (REF)	A MAX	B MAX	C CABLE ENTRY		ØD MAX	E MAX	F MAX	G MAX	H THREAD METRIC R.H. CLASS 6H
				OPEN MIN	CLOSED MAX					
9	A	1.01 [25.65]	1.20 [30.48]	.234 [5.94]	.098 [2.49]	.858 [21.79]	1.38 [35.05]	1.00 [25.40]	.85 [21.59]	M12x1.0-0.100R
11	B	1.01 [25.65]	1.20 [30.48]	.234 [5.94]	.153 [3.89]	.984 [24.99]	1.53 [38.86]	1.10 [27.94]	.90 [22.86]	M15x1.0-0.100R
13	C	1.21 [30.73]	1.40 [35.56]	.328 [8.33]	.190 [4.83]	1.157 [29.39]	1.60 [40.64]	1.10 [27.94]	1.10 [27.94]	M18x1.0-0.100R
15	D	1.26 [32.00]	1.45 [36.83]	.457 [11.61]	.260 [6.60]	1.279 [32.49]	1.80 [45.72]	1.25 [31.75]	1.15 [29.21]	M22x1.0-0.100R
17	E	1.41 [35.81]	1.60 [40.64]	.634 [16.10]	.283 [7.19]	1.406 [35.71]	1.93 [49.02]	1.30 [33.02]	1.30 [33.02]	M25x1.0-0.100R
19	F	1.51 [38.35]	1.70 [43.18]	.614 [15.60]	.325 [8.25]	1.516 [38.51]	2.05 [52.07]	1.35 [34.29]	1.50 [38.10]	M28x1.0-0.100R
21	G	1.66 [42.16]	1.85 [46.99]	.698 [17.73]	.343 [8.71]	1.642 [41.71]	2.35 [59.69]	1.60 [40.64]	1.60 [40.64]	M31 x1.0-0.100R
23	H	1.76 [44.70]	1.95 [49.53]	.823 [20.90]	.381 [9.68]	1.768 [44.91]	2.58 [65.53]	1.75 [44.45]	1.70 [43.18]	M34x1.0-0.100R
25	J	1.91 [48.51]	2.10 [53.34]	.853 [21.67]	.418 [10.62]	1.889 [47.98]	2.73 [69.34]	1.85 [46.99]	1.80 [45.72]	M37x1.0-0.100R

Dimensions in brackets [] are in millimeters.

TABLE I - AVAILABLE FINISHES

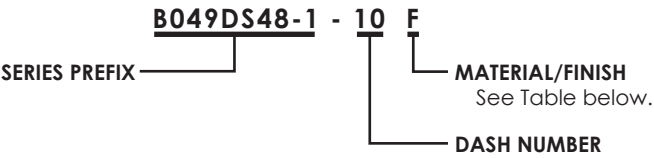
CODE	DESCRIPTION	MATERIAL	TEMP. RANGE	EXCLUSIONS
A	Black anodize - In accordance with Class 2 of AMS-A-8625, Type II.	Aluminum Alloy	-65 to +175 °C	
N	Electroless nickel - In accordance with AMS-C-26074 or AMS 2404.		-65 to +200 °C	Not for Navy use.
W	Cadmium - Olive drab over suitable underplate, 1000 hour salt spray.		-65 to +175 °C	Not for use in space application.
S	Passivate - In accordance with AMS-QQ-P-35, AMS 2700, or ASTM A 967.	Stainless Steel	-65 to +200 °C	

STRAIGHT STRAIN RELIEF

B049DS48-1

For MIL-DTL-24308

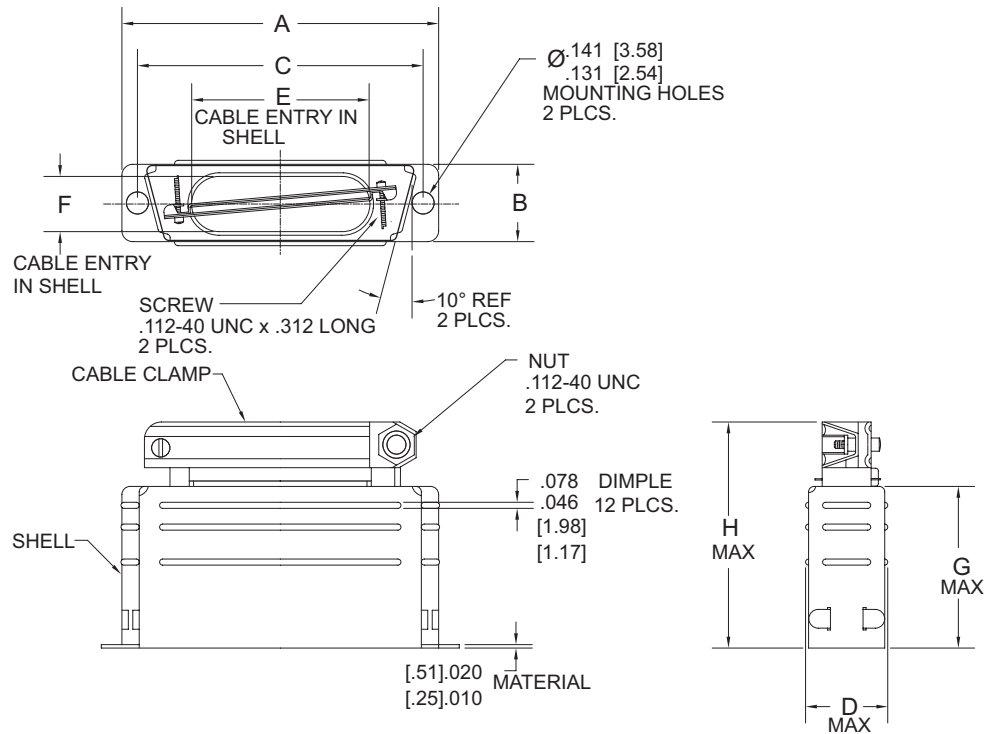
ORDERING INFORMATION



NOT APPLICABLE TO M24308/20

DASH NO.	MATERIAL			FINISH	
	SHELL	CABLE CLAMP	SCREW/NUT ¹	SHELL/CABLE CLAMP	SCREW/NUT
1 2 3 4 5	Low Carbon Sheet Steel	Low Carbon Sheet Steel SAE 1010 .024 Thick	Steel ²	F ³	F ^{3,4}
1 2 3 4 5			300 Series Corrosion Resistant Steel ⁵	N	Passivate in Accordance With QQ-PP-35
6 7 8 9 10	Brass In Accordance with QQ-B-613 Composition 260	Brass In Accordance with QQ-B-613 Composition 260 1/2 Hard	Brass ⁶	F ³	F ^{3,4}
6 7 8 9 10			300 Series Corrosion Resistant Steel ⁵	N ⁷	Passivate in Accordance With QQ-PP-35

1. Rivnuts (or equivalent) shall be aluminum alloy in accordance with MIL-C-85049, black Anodized in accordance with MIL-C-8625, Type II.
2. Steel nuts for -3, -4, and -5 shall be MS21083b04 and MS21083N04.
3. Class F finish is not for space flight use.
4. Cadmium plated screws and nuts shall be class 3 thickness in accordance with QQ-P-416.
5. Corrosion resistant nuts for -3, -4, -5, -8, -9 and -10 shall be MS21083C04.
6. And MS21083N04 brass nuts for -8, -9 and -10 shall be MS21083B04 and MS21083N04
7. Class N finish is Not for Navy use. Air Force only, use Class N finish for space application.
- Finish designator:
- Finish F- yellow chromate over cadmium in accordance with QQ-P-416, Type II, Class 2.
- Finish N- electroless nickel in accordance with MIL-C-26074, Class 1 or 2, Grade B.
- Finish Z- cancelled. Parts with finish F shall be substituted for parts with finish Code Z.



PART OR IDENTIFYING NUMBER (PIN)		SHELL SIZE	A	B	C	D MAX.	E	F	G	H
STEEL	NON-MAGNETIC (BRASS)									
B049DS48-1-1	B049DS48-1-6	1	1.218 1.188 [30.94] [30.18]	.514 .469 [13.06] [11.91]	.989 .979 [25.12] [24.87]	.578 [14.68]	.390 .360 [9.91] [9.14]	.390 .360 [9.91] [9.14]	.765 .735 [19.43] [18.67]	1.250 1.187 [31.75] [30.15]
B049DS48-1-2	B049DS48-1-7	2	1.546 1.516 [39.27] [38.51]	.514 .469 [13.06] [11.91]	1.317 1.307 [33.45] [33.20]	.578 [14.68]	.728 .698 [18.49] [17.73]	.327 .297 [8.31] [7.54]	.765 .735 [19.43] [18.67]	1.250 1.187 [31.75] [30.15]
B049DS48-1-3	B049DS48-1-8	3	2.093 2.063 [53.16] [52.40]	.514 .469 [13.06] [11.91]	1.857 1.847 [47.17] [46.91]	.578 [14.68]	1.015 .985 [25.78] [25.02]	.327 .297 [8.31] [7.54]	1.015 .985 [25.78] [25.02]	1.563 1.500 [39.70] [38.10]
B049DS48-1-4	B049DS48-1-9	4	2.733 2.703 [69.42] [68.66]	.514 .469 [13.06] [11.91]	2.505 2.495 [63.63] [63.37]	.578 [14.68]	1.390 1.360 [35.31] [34.54]	.327 .297 [8.31] [7.54]	1.015 .985 [25.78] [25.02]	1.563 1.500 [39.70] [38.10]
B049DS48-1-5	B049DS48-1-10	5	2.640 2.610 [67.06] [66.29]	.623 .578 [15.82] [14.68]	2.411 2.401 [61.24] [60.99]	.687 [17.45]	1.421 1.391 [36.09] [35.33]	.421 .391 [10.69] [9.93]	1.140 1.110 [28.96] [28.19]	1.688 1.625 [42.88] [41.28]

Dimensions in brackets [] are in millimeters.

STRAIGHT STRAIN RELIEF

B049DS48-2

For MIL-DTL-24308

ORDERING INFORMATION

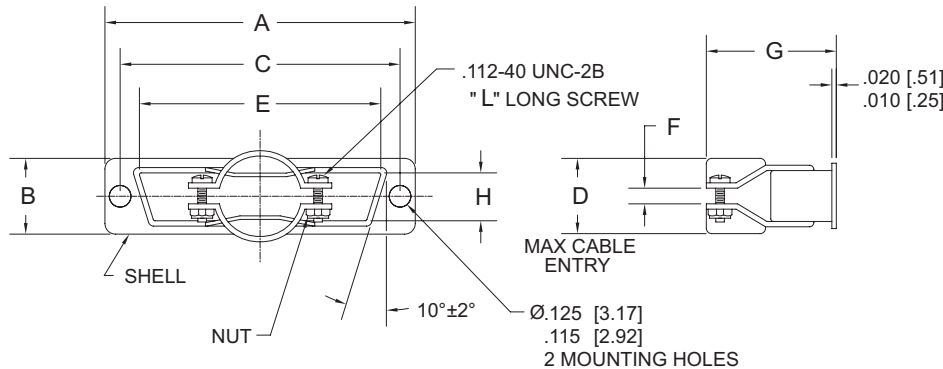
B049DS48-2 - 10 F

SERIES PREFIX — **DASH NUMBER** — **MATERIAL/FINISH**
See Table below.

NOT APPLICABLE TO M24308/21

DASH NO.	MATERIAL			FINISH	
	SHELL	CABLE CLAMP	SCREW/NUT ¹	SHELL/CABLE CLAMP	SCREW/NUT
1 2 3 4 5	Low Carbon Sheet Steel	Low Carbon Sheet Steel SAE 1010 .024 Thick	Steel ²	F ³	F ^{3,4}
1 2 3 4 5			300 Series Corrosion Resistant Steel ⁵	N	Passivate in Accordance With QQ-PP-35
6 7 8 9 10			Brass ⁶	F ³	F ^{3,4}
6 7 8 9 10			300 Series Corrosion Resistant Steel ⁵	N ⁷	Passivate in Accordance With QQ-PP-35

- Rivnuts (or equivalent) shall be aluminum alloy in accordance with MIL-C-85049, black Anodized in accordance with MIL-C-8625, Type II.
 - Steel nuts for -3, -4, and -5 shall be MS21083B04 and MS21083N04.
 - Class F finish is not for space flight use.
 - Cadmium plated screws and nuts shall be class 3 thickness in accordance with QQ-P-416.
 - Corrosion resistant nuts for -3, -4, -5, -8, -9 and -10 shall be MS21083C04.
 - And MS21083N04 brass nuts for -8, -9 and -10 shall be MS21083B04 and MS21083N04.
 - Class N finish is Not for Navy use. Air force only, use Class N finish for space application.
- Finish designator:
 Finish F- yellow chromate over cadmium in accordance with QQ-P-416, Type II, Class 2.
 Finish N- electroless nickel in accordance with MIL-C-26074, Class 1 or 2, Grade B.
 Finish Z- cancelled. Parts with finish F shall be substituted for parts with finish Code Z.



PART OR IDENTIFYING NUMBER (PIN)		SHELL SIZE	A	B	C	D MAX.	E	F	G	H	L ±.031 [±.78]
STEEL	NON-MAGNETIC (BRASS)										
B049DS48-2-1	B049DS48-2-6	1	1.223 1.193 [31.06] [30.30]	.515 .485 [13.08] [12.32]	.989 .979 [25.12] [24.87]	.406 [10.31]	.676 .646 [17.17] [16.41]	.140 .110 [3.56] [2.79]	1.061 1.001 [26.95] [25.43]	.359 .329 [9.12] [8.36]	.375 [9.52]
B049DS48-2-2	B049DS48-2-7	2	1.546 1.516 [39.27] [38.51]	.515 .485 [13.08] [12.32]	1.317 1.307 [33.45] [33.20]	.406 [10.31]	.999 .969 [25.37] [24.61]	.140 .110 [3.56] [2.79]	1.061 1.001 [26.95] [25.43]	.359 .329 [9.12] [8.36]	.375 [9.52]
B049DS48-2-3	B049DS48-2-8	3	2.093 2.063 [53.16] [52.40]	.515 .485 [13.08] [12.32]	1.857 1.847 [47.17] [46.91]	.593 [15.06]	1.530 1.500 [38.86] [38.10]	.202 .172 [5.13] [4.37]	1.092 1.032 [27.74] [26.21]	.359 .329 [9.12] [8.36]	.375 [9.52]
B049DS48-2-4	B049DS48-2-9	4	2.733 2.703 [69.42] [68.66]	.515 .485 [13.08] [12.32]	2.505 2.495 [63.63] [63.37]	.718 [18.24]	2.186 2.156 [55.52] [54.76]	.265 .235 [6.73] [5.97]	1.092 1.032 [27.74] [26.21]	.359 .329 [9.12] [8.36]	.500 [12.70]
B049DS48-2-5	B049DS48-2-10	5	2.640 2.610 [67.06] [66.29]	.624 .594 [15.85] [15.09]	2.411 2.401 [61.24] [60.99]	.812 [20.62]	2.108 2.078 [53.54] [52.78]	.327 .297 [8.31] [7.54]	1.092 1.032 [27.74] [26.21]	.453 .423 [11.51] [10.74]	.625 [15.88]

Dimensions in brackets [] are in millimeters.



For MIL-DTL-24308

ORDERING INFORMATION

B049DS48-3 - 10 F

SERIES PREFIX — DASH NUMBER — MATERIAL/FINISH
See Table below.

DASH NO.	MATERIAL			FINISH	
	SHELL	CABLE CLAMP	SCREW/NUT ¹	SHELL/CABLE CLAMP	SCREW/NUT
1 2 3 4 5	Low Carbon Sheet Steel	Low Carbon Sheet Steel SAE 1010 .024 Thick	Steel ²	F ³	F ^{3,4}
1 2 3 4 5			300 Series Corrosion Resistant Steel ⁵	N	Passivate in Accordance With QQ-PP-35
6 7 8 9 10			Brass ⁶	F ³	F ^{3,4}
6 7 8 9 10			300 Series Corrosion Resistant Steel ⁵	N ⁷	Passivate in Accordance With QQ-PP-35

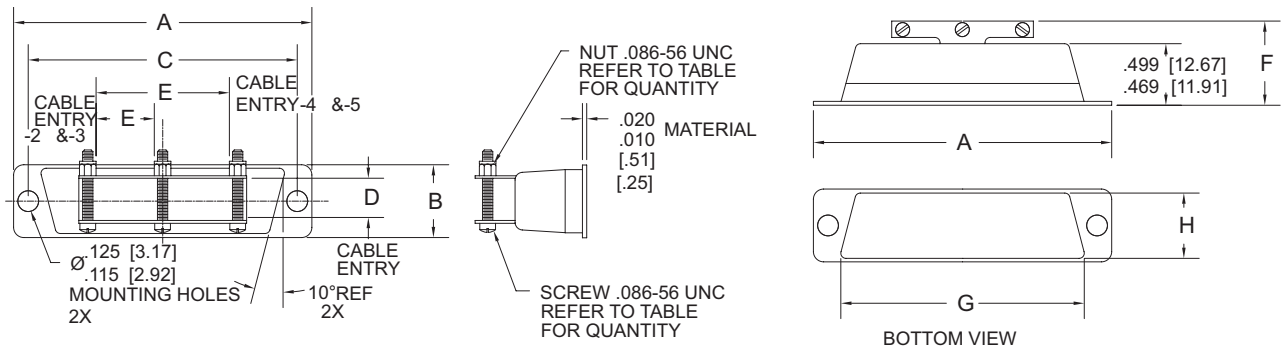
- Rivnuts (or equivalent) shall be aluminum alloy in accordance with MIL-C-85049, black Anodized in accordance with MIL-C-8625, Type II.
- Steel nuts for -3, -4, and -5 shall be MS21083B04 and MS21083N04.
- Class F finish is not for space flight use.
- Cadmium plated screws and nuts shall be class 3 thickness in accordance with QQ-P-416.
- Corrosion resistant nuts for -3, -4, -5, -8, -9 and -10 shall be MS21083C04.
- And MS21083N04 brass nuts for -8, -9 and -10 shall be MS21083B04 and MS21083N04.
- Class N finish is Not for Navy use. Air force only, use Class N finish for space application.

Finish designator:

Finish F- yellow chromate over cadmium in accordance with QQ-P-416, Type II, Class 2.

Finish N- electroless nickel in accordance with MIL-C-26074, Class 1 or 2, Grade B.

Finish Z- cancelled. Parts with finish F shall be substituted for parts with finish Code Z.



PART OR IDENTIFYING NUMBER (PIN)		SHELL SIZE	NUMBER OF SCREWS	A	B	C	D	E	F	G	H
STEEL	NON-MAGNETIC (BRASS)										
B049DS48-3-2	B049DS48-3-7	2	2	1.546 1.516 [39.27] [38.51]	.515 .485 [13.08] [12.32]	1.317 1.307 [33.45] [33.20]	.311 .281 [7.90] [7.14]	.327 .297 [8.31] [7.54]	.679 .609 [17.25] [15.47]	1.106 1.076 [28.09] [27.33]	.457 .427 [11.61] [10.85]
B049DS48-3-3	B049DS48-3-8	3	2	2.093 2.063 [53.16] [52.40]	.515 .485 [13.08] [12.32]	1.857 1.847 [47.17] [46.91]	.311 .281 [7.90] [7.14]	.811 .781 [20.60] [19.84]	.679 .609 [17.25] [15.47]	1.646 1.616 [41.81] [41.05]	.457 .427 [11.61] [10.85]
B049DS48-3-4	B049DS48-3-9	4	3	2.733 2.703 [69.42] [68.66]	.515 .485 [13.08] [12.32]	2.505 2.495 [63.63] [63.37]	.311 .281 [7.90] [7.14]	.702 .672 [17.83] [17.07]	.679 .609 [17.25] [15.47]	2.297 2.267 [58.34] [57.58]	.457 .427 [11.61] [10.85]
B049DS48-3-5	B049DS48-3-10	5	3	2.640 2.610 [67.06] [66.29]	.624 .594 [15.85] [15.09]	2.411 2.401 [61.24] [60.99]	.405 .375 [10.29] [9.52]	.702 .672 [17.83] [17.07]	.703 .685 [17.86] [17.40]	2.220 2.190 [56.39] [55.63]	.580 .550 [14.73] [13.97]

Dimensions in brackets [] are in millimeters.

90° STRAIN RELIEF

B049DS50

For MIL-DTL-24308

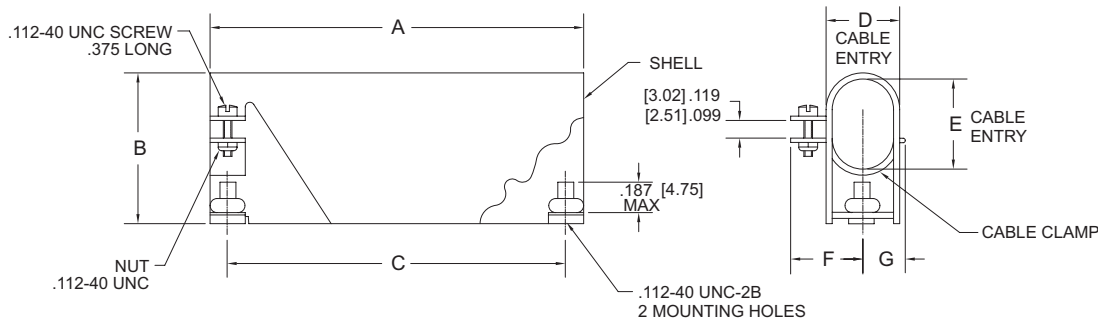
ORDERING INFORMATION

B049DS50 - 1 - F

SERIES PREFIX ——— DASH NUMBER ——— MATERIAL/FINISH
See Table below.

DASH NO.	MATERIAL			FINISH	
	SHELL	CABLE CLAMP	SCREW/NUT ¹	SHELL/CABLE CLAMP	SCREW/NUT
1 2 3 4 5	Low Carbon Sheet Steel	Low Carbon Sheet Steel SAE 1010 .024 Thick	Steel ²	F ³	F ^{3,4}
1 2 3 4 5			300 Series Corrosion Resistant Steel ⁵	N	Passivate in Accordance With QQ-PP-35
6 7 8 9 10			Brass ⁶	F ³	F ^{3,4}
6 7 8 9 10			300 Series Corrosion Resistant Steel ⁵	N ⁷	Passivate in Accordance With QQ-PP-35
6 7 8 9 10			Brass In Accordance with QQ-B-613 Composition 260 1/2 Hard		

- Rivnuts (or equivalent) shall be aluminum alloy in accordance with MIL-C-85049, black Anodized in accordance with MIL-C-8625, Type II.
 - Steel nuts for -3, -4, and -5 shall be MS21083B04 and MS21083N04.
 - Class F finish is not for space flight use.
 - Cadmium plated screws and nuts shall be class 3 thickness in accordance with QQ-P-416.
 - Corrosion resistant nuts for -3, -4, -5, -8, -9 and -10 shall be MS21083C04.
 - And MS21083N04 brass nuts for -8, -9 and -10 shall be MS21083B04 and MS21083N04.
 - Class N finish is Not for Navy use. Air force only, use Class N finish for space application.
- Finish designator:
 Finish F- yellow chromate over cadmium in accordance with QQ-P-416, Type II, Class 2.
 Finish N- electroless nickel in accordance with MIL-C-26074, Class 1 or 2, Grade B.
 Finish Z- cancelled. Parts with finish F shall be substituted for parts with finish Code Z.



PART OR IDENTIFYING NUMBER (PIN)		SHELL SIZE	A	B	C	D	E	F	G
STEEL	NON-MAGNETIC (BRASS)								
B049DS/50-1	B049DS50-6	1	1.218 1.188 [30.94] [30.18]	.748 .688 [19.00] [17.48]	.989 .979 [25.12] [24.87]	.467 .407 [11.86] [10.34]	.467 .407 [11.86] [10.34]	.498 .438 [12.65] [11.13]	.311 .251 [7.90] [6.38]
B049DS50-2	B049DS50-7	2	1.546 1.516 [39.27] [38.51]	.748 .688 [19.00] [17.48]	1.317 1.307 [33.45] [33.20]	.467 .407 [11.86] [10.34]	.467 .407 [11.86] [10.34]	.498 .438 [12.65] [11.13]	.311 .251 [7.90] [6.38]
B049DS50-3	B049DS50-8	3	2.093 2.063 [53.16] [52.40]	.998 .938 [25.35] [23.83]	1.857 1.847 [47.17] [46.91]	.467 .407 [11.86] [10.34]	.655 .595 [16.64] [15.11]	.498 .438 [12.65] [11.13]	.311 .251 [7.90] [6.38]
B049DS50-4	B049DS50-9	4	2.733 2.703 [69.42] [68.66]	1.217 1.157 [30.91] [29.39]	2.505 2.495 [63.63] [63.37]	.467 .407 [11.86] [10.34]	.842 .782 [21.39] [19.86]	.498 .438 [12.65] [11.13]	.311 .251 [7.90] [6.38]
B049DS50-5	B049DS50-10	5	2.640 2.610 [67.06] [66.29]	1.280 1.220 [32.51] [30.99]	2.411 2.401 [61.24] [60.99]	.592 .532 [15.04] [13.51]	.936 .876 [23.77] [22.25]	.561 .501 [14.25] [12.73]	.373 .313 [9.47] [7.95]

Dimensions in brackets [] are in millimeters.

For All Series Having a Threaded Backshell

ORDERING INFORMATION

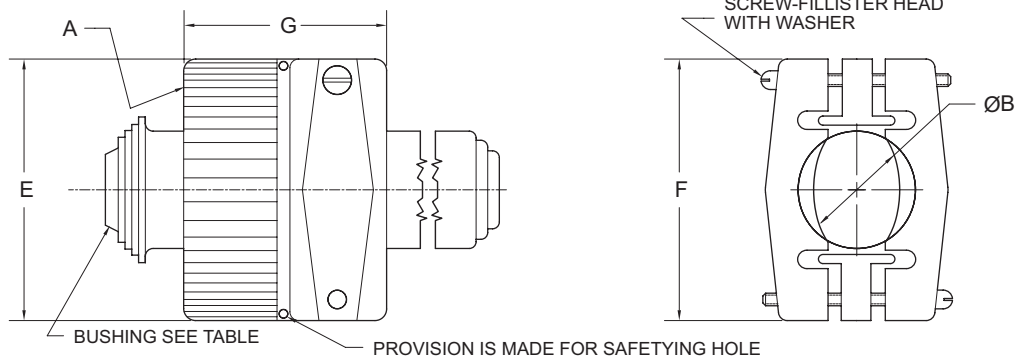
MS3057 - 20A C

MIL-SPEC ——— **20A** ——— **C** ——— FINISH/MATERIAL

DASH NUMBER ———

See Dimension Table below.

CODE	FINISH	MATERIAL
A	Non-conductive, black anodize	Aluminum Alloy
C	Cadmium, olive drab, 48 hr salt spray	
N	Electroless nickel	



DASH NO.	CONNECTOR SHELL SIZE (REF)	A THREAD CLASS 2B	B MAX	ØE ±.031 [±0.79]	F ±.031 [±0.79]	G ±.031 [±0.79]	BUSHING (REF) (a)
-3A	8S & 10S	.500-28 UNEF	.250 [6.35]	.688 [17.48]	.812 [20.62]	.812 [20.62]	MS3420-3
-4A	10SL, 12S & 12	.625-24 UNEF	.312 [7.92]	.812 [20.62]	.875 [22.22]	.875 [22.22]	MS3420-4
-6A	14S & 14	.750-20 UNEF	.438 [11.13]	.969 [24.61]	1.062 [26.97]	.875 [22.22]	MS3420-6
-8A	16S & 16	.875-20 UNEF	.562 [14.27]	1.094 [27.79]	1.156 [29.36]	.938 [23.83]	MS3420-8
-10A	18	1.000-20 UNEF	.625 [15.87]	1.188 [30.18]	1.250 [31.75]	.938 [23.83]	MS3420-10
-12A	20 & 22	1.188-18 UNEF	.750 [19.05]	1.375 [34.92]	1.469 [37.31]	.938 [23.83]	MS3420-12
-16A	24 & 28	1.438-18 UNEF	.938 [23.83]	1.656 [42.06]	1.688 [42.88]	1.031 [26.19]	MS3420-16
-20A	32	1.750-18 UNS	1.250 [31.75]	2.031 [51.59]	2.031 [51.59]	1.094 [27.79]	MS3420-20
-24A	36	2.000-18 UNS	1.375 [34.92]	2.219 [56.36]	2.281 [57.94]	1.156 [29.36]	MS3420-24
-28A	40	2.250-16 UN	1.625 [41.27]	2.500 [63.50]	2.688 [68.28]	1.688 [42.88]	MS3420-28
-32A	44	2.500-16 UN	1.875 [47.62]	2.781 [70.64]	2.938 [74.63]	1.750 [44.45]	MS3420-32
-40A	48	3.000-16 UN	2.375 [60.32]	3.281 [83.34]	3.500 [88.90]	1.750 [44.45]	MS3420-40

1. (a) Bushings are not supplied with clamps.
2. Dimensions in brackets [] are in millimeters.

CABLE CLAMP

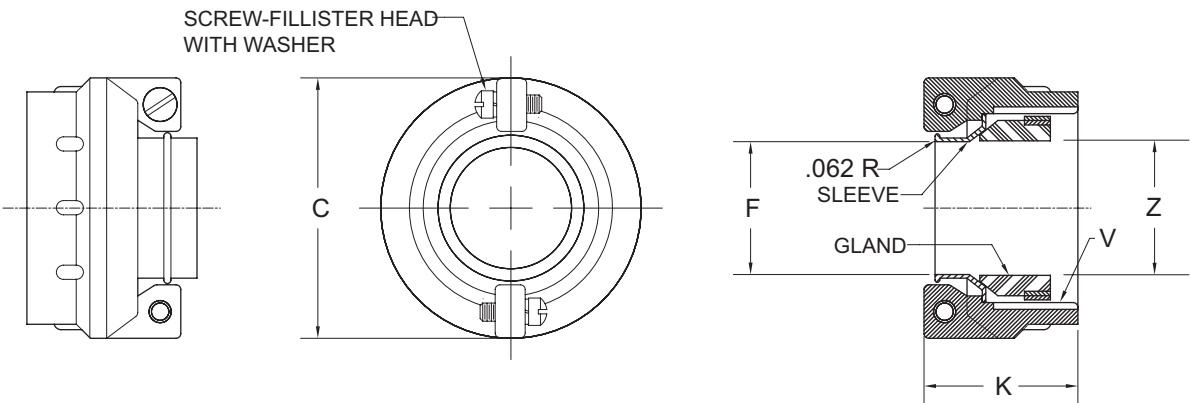
MS3057-*B

For All Series Having a Threaded Backshell

ORDERING INFORMATION

MS3057 - 20B
MIL-SPEC DASH NUMBER
See Dimension Table below.

MATERIAL: Aluminum Alloy
FINISH: Cadmium, Olive Drab, 48 Hr Salt Spray



DASH NO.	CONNECTOR SHELL SIZE (REF)	C MAX	F +.020 -.000 [+0.51] [-0.00]	K MAX	V THREAD CLASS 2B	ØZ APPROX. (GLAND)		BUSHING (REF) (a)
						FREE	CLOSED	
-3B	8S & 10S	.812 [20.62]	.231 [5.87]	1.031 [26.19]	.500-28 UNEF	.219 [5.56]	.031 [0.79]	MS3420-3A
-4B	10SL, 12S & 12	.937 [23.80]	.315 [8.00]		.625-24 UNEF	.312 [7.92]	.094 [2.39]	MS3420-4A
-6B	14S & 14	1.062 [26.97]	.440 [11.18]		.750-20 UNEF	.438 [11.13]	.250 [6.35]	MS3420-6A
-8B	16S & 16	1.188 [30.18]	.515 [13.08]		.875-20 UNEF	.531 [13.49]	.312 [7.92]	MS3420-8A
-10B	18	1.312 [33.32]	.614 [15.60]	1.094 [27.79]	1.000-20 UNEF	.625 [15.87]	.375 [9.52]	MS3420-10A
-12B	20 & 22	1.562 [39.67]	.738 [18.75]	1.219 [30.96]	1.188-18 UNEF	.750 [19.05]	.500 [12.70]	MS3420-12A
-16B	24 & 28	1.750 [44.45]	.926 [23.52]		1.438-18 UNEF	.938 [23.83]	.594 [15.09]	MS3420-16A
-20B	32	2.250 [57.15]	1.200 [30.48]	1.344 [34.14]	1.750-18 UNS	1.250 [31.75]	.938 [23.83]	MS3420-20A
-24B	36	2.375 [60.32]	1.363 [34.62]	1.547 [39.29]	2.000-18 UNS	1.375 [34.92]	.969 [24.61]	MS3420-24A
-28B	40	2.625 [66.67]	1.611 [40.92]		2.250-16 UN	1.625 [41.27]	1.188 [30.18]	MS3420-28A
-32B	44	2.812 [71.42]	1.865 [47.37]	1.734 [44.04]	2.500-16 UN	1.875 [47.62]	1.375 [34.92]	MS3420-32A
-40B	48	3.312 [84.12]	2.365 [60.07]	1.781 [45.24]	3.000-16 UN	2.375 [60.32]	1.875 [47.62]	MS3420-40A

Dimensions in brackets [] are in millimeters.

For All Series Having a Threaded Backshell

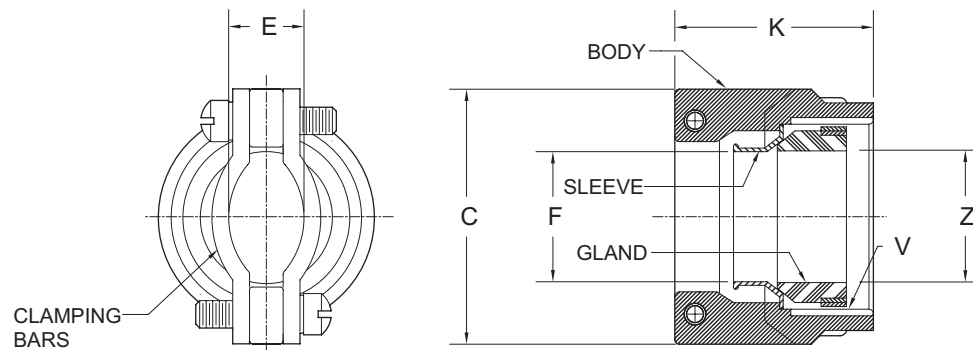
ORDERING INFORMATION

MS3057 - 20C

MIL-SPEC

DASH NUMBER

See Dimension Table below.

MATERIAL: Aluminum Alloy**FINISH:** Cadmium, Olive Drab, 48 Hr Salt Spray

DASH NO.	CONNECTOR SHELL SIZE (REF)	C MAX	E MAX CLOSED	F +.020 -.000 [+0.51] [-0.00]	K MAX	V THREAD CLASS 2B	ØZ APPROX. (GLAND)		BUSHING (REF) (α)
							FREE	CLOSED	
-3C	8S & 10S	.812 [20.62]	.217 [5.51]	.231 [5.87]	1.375 [34.92]	.500-28 UNEF	.219 [5.56]	.031 [0.79]	MS3420-3A
-4C	10SL, 12S & 12	.937 [23.80]	.296 [7.52]	.315 [8.00]	1.375 [34.92]	.625-24 UNEF	.312 [7.92]	.094 [2.39]	MS3420-4A
-6C	14S & 14	1.062 [26.97]	.390 [9.91]	.440 [11.18]	1.375 [34.92]	.750-20 UNEF	.438 [11.13]	.250 [6.35]	MS3420-6A
-8C	16S & 16	1.188 [30.18]	.434 [11.02]	.515 [13.08]	1.375 [34.92]	.875-20 UNEF	.531 [13.49]	.312 [7.92]	MS3420-8A
-10C	18	1.312 [33.32]		.614 [15.60]	1.437 [36.50]	1.000-20 UNEF	.625 [15.87]	.375 [9.52]	MS3420-10A
-12C	20 & 22	1.562 [39.67]	.596 [15.14]	.738 [18.75]	1.437 [36.50]	1.188-18 UNEF	.750 [19.05]	.500 [12.70]	MS3420-12A
-16C	24 & 28	1.750 [44.45]		.926 [23.52]	1.562 [39.67]	1.438-18 UNEF	.938 [23.83]	.594 [15.09]	MS3420-16A
-20C	32	2.250 [57.15]	.858 [21.79]	1.200 [30.48]	1.812 [46.02]	1.750-18 UNS	1.250 [31.75]	.938 [23.83]	MS3420-20A
-24C	36	2.375 [60.32]		1.363 [34.62]	1.812 [46.02]	2.000-18 UNS	1.375 [34.92]	.969 [24.61]	MS3420-24A
-28C	40	2.625 [66.67]	1.107 [28.12]	1.611 [40.92]	2.062 [52.37]	2.250-16 UN	1.625 [41.27]	1.188 [30.18]	MS3420-28A
-32C	44	2.812 [71.42]	1.421 [36.09]	1.865 [47.37]	2.188 [55.58]	2.500-16 UN	1.875 [47.62]	1.375 [34.92]	MS3420-32A

Dimensions in brackets [] are in millimeters.

CABLE CLAMP

MS3057-*D

For All Series Having a Threaded Backshell

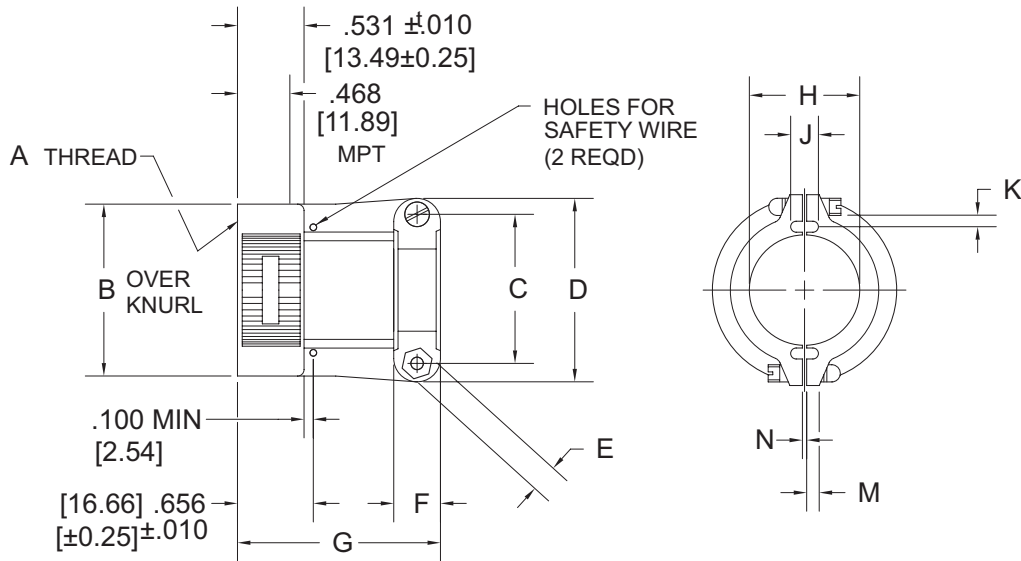
ORDERING INFORMATION

MS3057 - 20D C

MIL SPEC ————
DASH NUMBER ————
See Dimension Table below.

FINISH/MATERIAL

CODE	FINISH	MATERIAL
A	Cadmium, olive drab over suitable underplate, 1000 hr. salt spray	Aluminum Alloy
C	Cadmium, olive drab, 48 hr. salt spray	
D	Black cadmium	Stainless Steel
N	Electroless nickel	



DASH NO.	A THREAD CLASS 2B	ØB MAX	C ±.010 [±0.25]	D ±.020 [±0.51]	E +.000 -.007 [+0.00] [-0.18]	F ±.010 [±0.25]	G ±.020 [±0.51]	H WIRE BUNDLE RANGE [DIA.]		ØJ ±.010 [±0.25]	K ±.010 [±0.25]	M ±.010 [±0.25]	N ±.010 [±0.25]
								MIN	MAX				
-4D	.625-24 UNEF	.937 [23.80]	.637 [16.18]	.937 [23.80]	.250 [6.35]	.312 [7.92]	1.281 [32.54]	.125 [3.17]	.312 [7.92]	.218 [5.54]	.062 [1.57]	.156 [3.96]	.109 [2.77]
-6D	.750-20 UNEF	1.031 [26.19]	.763 [19.38]	1.125 [28.57]	.250 [6.35]	.375 [9.52]	1.281 [32.54]	.250 [6.35]	.437 [11.10]	.281 [7.14]	.062 [1.57]	.175 [4.44]	.125 [3.17]
-8D	.875-20 UNEF	1.250 [31.75]	.942 [23.93] ±.032 [±0.81]	1.312 [33.32]	.250 [6.35]	.422 [10.72] ±.026 [±0.66]	1.281 [32.54]	.312 [7.92]	.562 [14.27]	.312 [7.92]	.062 [1.57]	.211 [5.36] ±.018 [±0.46]	.125 [3.17]
-10D	1.000-20 UNEF	1.250 [31.75]	.964 [24.49]	1.312 [33.32]	.250 [6.35]	.437 [11.10]	1.281 [32.54]	.350 [8.89]	.625 [15.87]	.312 [7.92]	.062 [1.57]	.218 [5.54]	.125 [3.17]
-12D	1.188-18 UNEF	1.437 [36.50]	1.130 [28.70]	1.531 [38.89]	.250 [6.35]	.437 [11.10]	1.312 [33.32]	.500 [12.70]	.750 [19.05]	.375 [9.52]	.062 [1.57]	.250 [6.35]	.156 [3.96]
-16D	1.438-18 UNEF	1.688 [42.88]	1.375 [34.92]	1.750 [44.45]	.250 [6.35]	.531 [13.49]	1.406 [35.71]	.625 [15.87]	.937 [23.80]	.375 [9.52]	.062 [1.57]	.250 [6.35]	.188 [4.78]
-20D	1.750-18 UNS	2.000 [50.80]	1.703 [43.26]	2.093 [53.16]	.312 [7.92]	.531 [13.49]	1.593 [40.46]	.875 [22.22]	1.250 [31.75]	.475 [12.06]	.078 [1.98]	.312 [7.92]	.188 [4.78]
-24D	2.000-18 UNS	2.250 [57.15]	1.906 [48.41]	2.343 [59.51]	.312 [7.92]	.531 [13.49]	1.625 [41.27]	1.000 [25.40]	1.375 [34.92]	.500 [12.70]	.093 [2.36]	.312 [7.92]	.250 [6.35]
-28D	2.250-16 UN	2.500 [63.50]	2.218 [56.34]	2.750 [69.85]	.312 [7.92]	.812 [20.62]	1.900 [48.26]	1.250 [31.75]	1.625 [41.27]	.625 [15.87]	.093 [2.36]	.312 [7.92]	.375 [9.52]
-32D	2.500-16 UN	2.750 [69.85]	2.500 [63.50]	3.000 [76.20]	.312 [7.92]	.812 [20.62]	1.900 [48.26]	1.437 [36.50]	1.875 [47.62]	.675 [17.14]	.125 [3.17]	.312 [7.92]	.375 [9.52]

1. Dimensions in brackets [] are in millimeters.

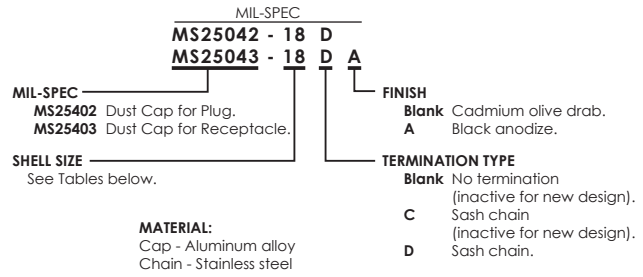
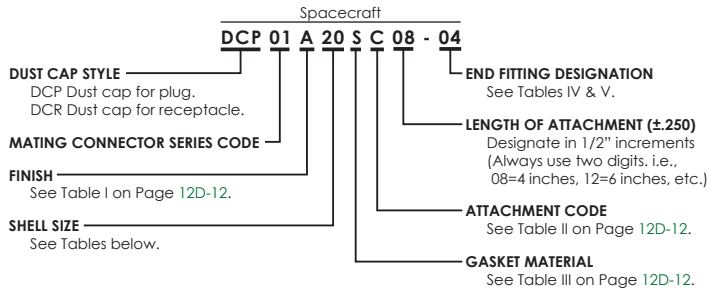
2. MS3057-*D superseded by M85049/42.

SECTION 12D

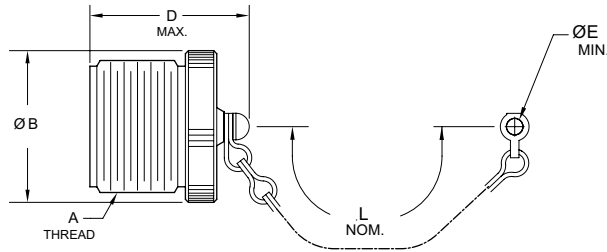
DUST CAPS & DUMMY RECEPTACLES

MIL-DTL-5015 DUST CAPS & DUMMY RECEPTACLES

DCP01, DCR01 & DRP01



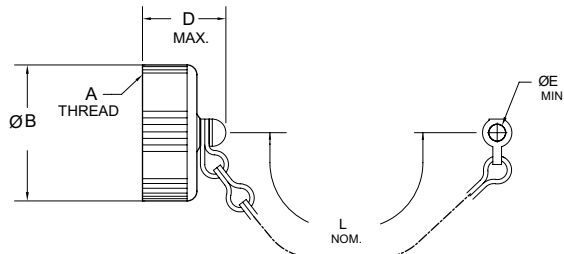
DCP01 Dust Cap for Plug (MS25042)



DASH NO.	SHELL SIZE	A THREAD CLASS 2A	B MAX.	D MAX.	E MIN.	L NOMINAL
8	8S	.500-28 UNEF	.562 [14.27]	.969 [24.61]	.151 [3.84]	4.00 [101.60]
10	10S, 10SL	.625-24 UNEF	.687 [17.45]	.969 [24.61]	.151 [3.84]	4.00 [101.60]
12	12, 12S	.750-20 UNEF	.812 [20.62]	1.156 [29.36]	.151 [3.84]	4.50 [114.30]
14	14, 14S	.875-20 UNEF	.937 [23.80]	1.156 [29.36]	.151 [3.84]	4.50 [114.30]
16	16, 16S	1.000-20 NEF	1.062 [26.97]	1.156 [29.36]	.151 [3.84]	4.50 [114.30]
18	18	1.125-18 UNEF	1.187 [30.15]	1.156 [29.36]	.151 [3.84]	4.50 [114.30]
20	20	1.250-18 UNEF	1.312 [33.32]	1.156 [29.36]	.182 [4.62]	5.00 [127.00]
22	22	1.375-18 UNEF	1.437 [36.50]	1.156 [29.36]	.182 [4.62]	5.00 [127.00]
24	24	1.500-18 UNEF	1.562 [39.67]	1.156 [29.36]	.182 [4.62]	5.50 [139.70]
28	28	1.750-18 UNS	1.812 [46.02]	1.156 [29.36]	.182 [4.62]	7.75 [196.85]
32	32	2.000-18 UNS	2.062 [52.37]	1.156 [29.36]	.213 [5.41]	7.75 [196.85]
36	36	2.250-16 UN	2.312 [58.72]	1.156 [29.36]	.213 [5.41]	7.75 [196.85]
40	40	2.500-16 UN	2.562 [65.07]	1.156 [29.36]	.213 [5.41]	7.75 [196.85]

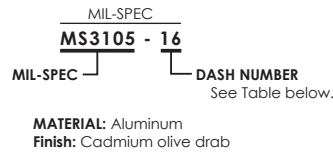
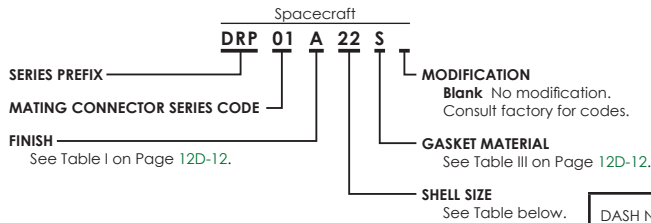
1. Dimensions in brackets [] are in millimeters.

DCR01 Dust Cap for Receptacle (MS25043)

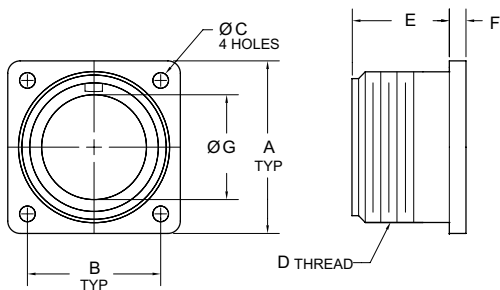


SHELL SIZE	SHELL SIZE	A THREAD CLASS 2B	B MAX.	D MAX.	E MIN.	L NOMINAL
8	8S	.500-28 UNEF	.688 [17.48]	.750 [19.05]	.135 [3.43]	4.00 [101.60]
10	10S, 10SL	.625-24 UNEF	.815 [20.70]	.750 [19.05]	.135 [3.43]	4.00 [101.60]
12	12, 12S	.750-20 UNEF	1.000 [25.40]	.750 [19.05]	.135 [3.43]	4.50 [114.30]
14	14, 14S	.875-20 UNEF	1.125 [28.57]	.750 [19.05]	.135 [3.43]	4.50 [114.30]
16	16, 16S	1.000-20 NEF	1.188 [30.18]	.750 [19.05]	.135 [3.43]	4.50 [114.30]
18	18	1.125-18 UNEF	1.344 [34.14]	.750 [19.05]	.135 [3.43]	4.50 [114.30]
20	20	1.250-18 UNEF	1.469 [37.31]	.750 [19.05]	.135 [3.43]	5.00 [127.00]
22	22	1.375-18 UNEF	1.594 [40.49]	.750 [19.05]	.135 [3.43]	5.00 [127.00]
24	24	1.500-18 UNEF	1.719 [43.66]	.750 [19.05]	.166 [4.22]	5.50 [139.70]
28	28	1.750-18 UNS	1.969 [50.01]	.812 [20.62]	.166 [4.22]	7.75 [196.85]
32	32	2.000-18 UNS	2.219 [56.36]	.812 [20.62]	.182 [4.62]	7.75 [196.85]
36	36	2.250-16 UN	2.469 [62.71]	.812 [20.62]	.182 [4.62]	7.75 [196.85]
40	40	2.500-16 UN	2.719 [69.06]	.812 [20.62]	.182 [4.62]	7.75 [196.85]

1. Dimensions in brackets [] are in millimeters.



DRP01 Dummy Receptacle (MS3105)

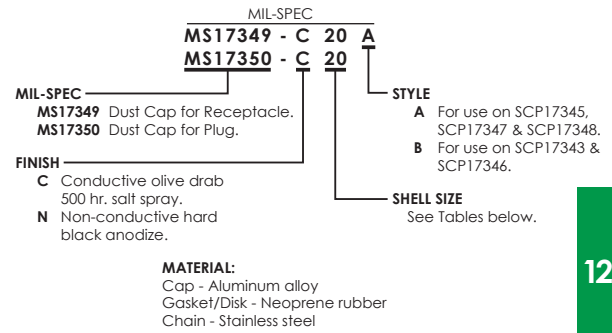
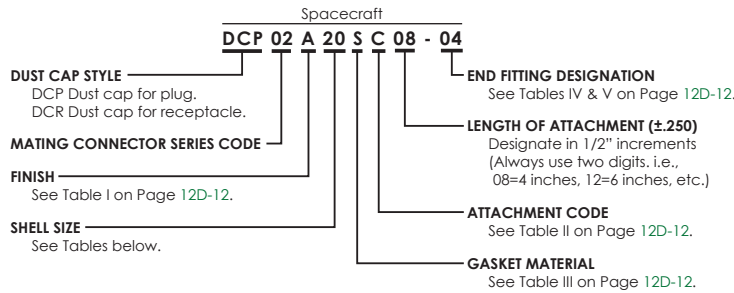


DASH NO. SHELL SIZE	A ±.031 [±0.79]	B ±.005 [±0.25]	C +.010 - .005 [+0.25] [-0.13]	D THREAD CLASS 2A	E +.031 - .000 [+0.79] [-0.00]	F
8S	.875 [22.22]	.594 [15.09]	.120 [3.05]	.500-28 UNEF	.562 [14.27]	.156 [3.96]
10S, 10SL	1.000 [25.40]	.719 [18.26]	.120 [3.05]	.625-24 UNEF	.562 [14.27]	.156 [3.96]
12S	1.094 [27.79]	.812 [20.62]	.120 [3.05]	.750-20 UNEF	.562 [14.27]	.156 [3.96]
12	1.094 [27.79]	.812 [20.62]	.120 [3.05]	.750-20 UNEF	.750 [19.05]	.156 [3.96]
14S	1.188 [30.18]	.906 [23.01]	.120 [3.05]	.875-20 UNEF	.562 [14.27]	.156 [3.96]
14	1.188 [30.18]	.906 [23.01]	.120 [3.05]	.875-20 UNEF	.750 [19.05]	.156 [3.96]
16S	1.281 [32.54]	.969 [24.61]	.120 [3.05]	1.000-20 UNEF	.562 [14.27]	.156 [3.96]
16	1.281 [32.54]	.969 [24.61]	.120 [3.05]	1.000-20 UNEF	.750 [19.05]	.156 [3.96]
18	1.375 [34.92]	1.062 [26.97]	.120 [3.05]	1.125-18 UNEF	.750 [19.05]	.203 [5.16]
20	1.500 [38.10]	1.156 [29.36]	.120 [3.05]	1.250-18 UNEF	.750 [19.05]	.203 [5.16]
22	1.625 [41.27]	1.250 [31.75]	.120 [3.05]	1.375-18 UNEF	.750 [19.05]	.203 [5.16]
24	1.750 [44.45]	1.375 [34.92]	.147 [3.73]	1.500-18 UNEF	.812 [20.62]	.203 [5.16]
28	2.000 [50.80]	1.562 [39.67]	.147 [3.73]	1.750-18 UNS	.812 [20.62]	.203 [5.16]
32	2.250 [57.15]	1.750 [44.45]	.173 [4.39]	2.000-16 UNS	.875 [22.22]	.359 [9.12]
36	2.500 [63.50]	1.938 [49.23]	.173 [4.39]	2.250-16 UN	.875 [22.22]	.359 [9.12]
40	2.750 [69.85]	2.188 [55.58]	.173 [4.39]	2.500-16 UN	.875 [22.22]	.359 [9.12]

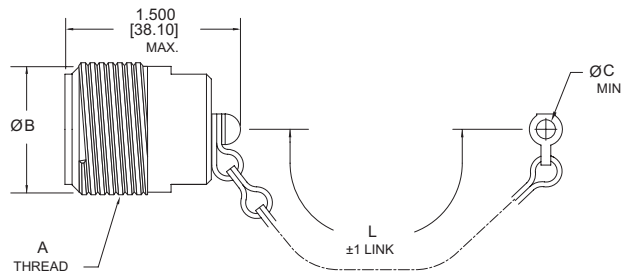
1. Dimensions in brackets [] are in millimeters.

DUST CAPS & DUMMY RECEPTACLES MIL-DTL-22992

DCP02, DCR02 & DRP02



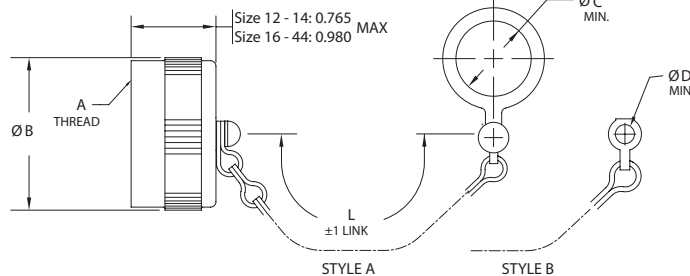
DCR02 Dust Cap for Plug (MS17350)



Shell Size	A Thread Class 2A	B Max.	ØC Min.	L ±1 Link
12	.875-0.1P-0.2L-DS	0.906 [23.01]	0.150 [3.81]	5.00 [127.00]
14	1.000-0.1P-0.2L-DS	1.031 [26.19]	0.150 [3.81]	5.00 [127.00]
16	1.125-0.1P-0.2L-DS	1.156 [29.36]	0.150 [3.81]	5.00 [127.00]
18	1.250-0.1P-0.2L-DS	1.281 [32.54]	0.177 [4.50]	5.00 [127.00]
20	1.375-0.1P-0.2L-DS	1.406 [35.71]	0.177 [4.50]	5.00 [127.00]
22	1.500-0.1P-0.2L-DS	1.531 [38.89]	0.177 [4.50]	6.00 [152.40]
24	1.750-0.1P-0.2L-DS	1.781 [45.24]	0.177 [4.50]	6.00 [152.40]
28	2.000-0.1P-0.2L-DS	2.031 [51.59]	0.177 [4.50]	6.00 [152.40]
32	2.250-0.1P-0.2L-DS	2.281 [57.94]	0.199 [5.05]	6.00 [152.40]
36	2.500-0.1P-0.2L-DS	2.531 [64.29]	0.199 [5.05]	6.00 [152.40]
40	2.750-0.1P-0.2L-DS	2.781 [70.64]	0.199 [5.05]	6.00 [152.40]
44	3.000-0.1P-0.2L-DS	-	0.199 [5.05]	6.00 [152.40]

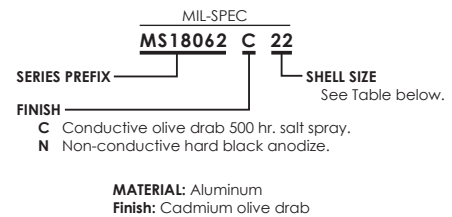
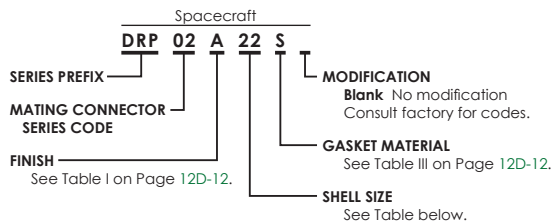
1. Dimensions in brackets [] are in millimeters.

DCP02 Dust Cap for Receptacle (MS17349)

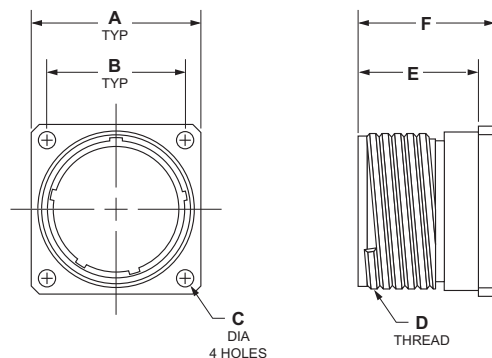


Shell Size	A Thread Class 2B	B Max.	ØC Min.	ØD Min.	L ±1 Link
12	.875-0.1P-0.2L-DS	1.094 [27.79]	1.106 [28.09]	0.150 [3.81]	5.00 [127.0]
14	1.000-0.1P-0.2L-DS	1.219 [30.96]	1.141 [28.98]	0.150 [3.81]	5.00 [127.0]
16	1.125-0.1P-0.2L-DS	1.344 [34.14]	1.266 [32.16]	0.150 [3.81]	5.00 [127.0]
18	1.250-0.1P-0.2L-DS	1.469 [37.31]	1.391 [35.33]	0.177 [4.50]	5.00 [127.0]
20	1.375-0.1P-0.2L-DS	1.562 [39.67]	1.516 [38.51]	0.177 [4.50]	5.00 [127.0]
22	1.500-0.1P-0.2L-DS	1.688 [42.88]	1.641 [41.68]	0.177 [4.50]	6.00 [152.4]
24	1.750-0.1P-0.2L-DS	1.938 [49.23]	1.891 [48.03]	0.177 [4.50]	6.00 [152.4]
28	2.000-0.1P-0.2L-DS	2.219 [56.36]	2.141 [54.38]	0.177 [4.50]	6.00 [152.4]
32	2.250-0.1P-0.2L-DS	2.469 [62.71]	2.391 [60.73]	0.177 [4.50]	6.00 [152.4]
36	2.500-0.1P-0.2L-DS	2.719 [69.06]	2.641 [67.08]	0.199 [5.05]	6.00 [152.4]
40	2.750-0.1P-0.2L-DS	2.969 [75.41]	2.891 [73.43]	0.199 [5.05]	6.00 [152.4]
44	3.000-0.1P-0.2L-DS	3.219 [81.76]	3.141 [79.78]	0.199 [5.05]	6.00 [152.4]

1. Dimensions in brackets [] are in millimeters.



DRP02 Dummy Receptacle (MS18062)

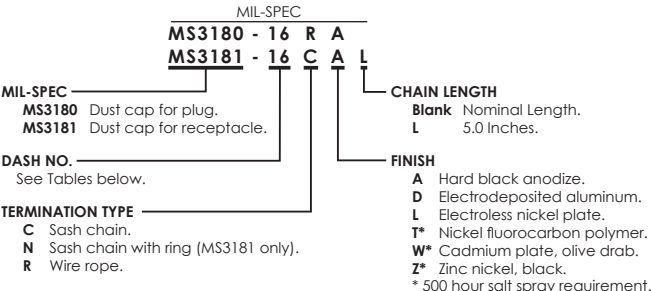
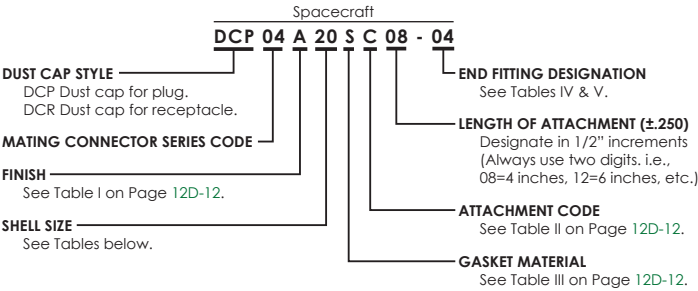


Shell Size	A +.021 -.020	B	C ±.005	D Thread Class 2A	E +.010 -.000	F +.021 -.010
12	1.188 [30.18]	0.906 [23.01]	0.150 [3.81]	.8750-0.1P-0.2L-DS	0.797 [20.24]	0.938 [23.83]
14	1.281 [32.54]	0.969 [24.61]	0.150 [3.81]	1.000-0.1P-0.2L-DS	0.797 [20.24]	0.938 [23.83]
16	1.375 [34.93]	1.062 [26.97]	0.150 [3.81]	1.1250-0.1P-0.2L-DS	0.797 [20.24]	0.938 [23.83]
18	1.500 [38.10]	1.156 [29.36]	0.177 [4.50]	1.2500-0.1P-0.2L-DS	0.797 [20.24]	0.953 [24.21]
20	1.625 [41.28]	1.250 [31.75]	0.177 [4.50]	1.3750-0.1P-0.2L-DS	0.797 [20.24]	0.953 [24.21]
22	1.750 [44.45]	1.375 [34.93]	0.177 [4.50]	1.5000-0.1 P-0.2L-DS	0.797 [20.24]	0.953 [24.21]
24	2.000 [50.80]	1.562 [39.67]	0.177 [4.50]	1.7500-0.1P-0.2L-DS	0.859 [21.82]	1.047 [26.59]
28	2.250 [57.15]	1.750 [44.45]	0.177 [4.50]	2.0000-0.1 P-0.2L-DS	0.859 [21.82]	1.047 [26.59]
32	2.500 [63.50]	1.938 [49.23]	0.209 [5.31]	2.2500-0.1 P-0.2L-DS	0.922 [23.42]	1.110 [28.19]
36	2.750 [69.85]	2.188 [55.58]	0.209 [5.31]	2.5000-0.1P-0.2L-DS	0.922 [23.42]	1.110 [28.19]
40	3.000 [76.20]	2.375 [60.33]	0.209 [5.31]	2.7500-0.1 P-0.2L-DS	0.922 [23.42]	1.110 [28.19]
44	3.250 [82.55]	2.625 [66.68]	0.209 [5.31]	3.0000-0.1 P-0.2L-DS	0.922 [23.42]	1.109 [28.17]

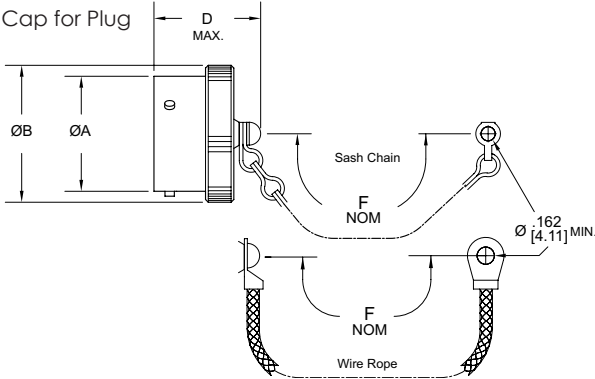
1. Dimensions in brackets [] are in millimeters.

MIL-DTL-26482 DUST CAPS & DUMMY RECEPTACLES

DCP04, DCR04 & DRP04



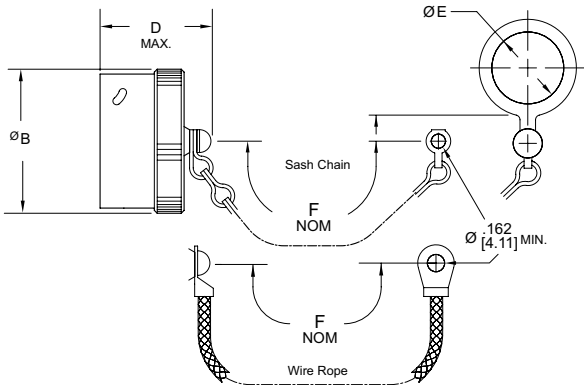
DCR04 Dust Cap for Plug (MS3180)



DASH NO.	SHELL SIZE	A MAX.	B MAX.	D MAX.	F NOM.
8C or 8R	8	.474 [12.04]	.719 [18.26]	.781 [19.84]	3.00 [76.20]
10C or 10R	10	.591 [15.01]	.844 [21.44]	.781 [19.84]	3.00 [76.20]
12C or 12R	12	.751 [19.08]	1.000 [25.40]	.781 [19.84]	3.50 [88.90]
14C or 14R	14	.876 [22.25]	1.125 [28.57]	.781 [19.84]	3.50 [88.90]
16C or 16R	16	1.001 [25.43]	1.250 [31.75]	.781 [19.84]	3.50 [88.90]
18C or 18R	18	1.126 [28.60]	1.375 [34.92]	.781 [19.84]	3.50 [88.90]
20C or 20R	20	1.251 [31.78]	1.500 [38.10]	.844 [21.44]	4.00 [101.6]
22C or 22R	22	1.376 [34.95]	1.625 [41.27]	.844 [21.44]	4.00 [101.6]
24C or 24R	24	1.501 [38.13]	1.750 [44.45]	.875 [22.22]	4.00 [101.6]

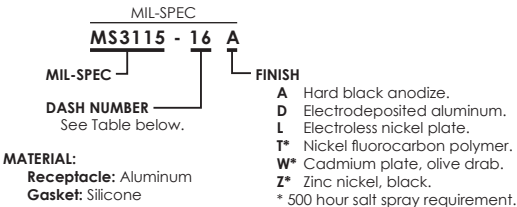
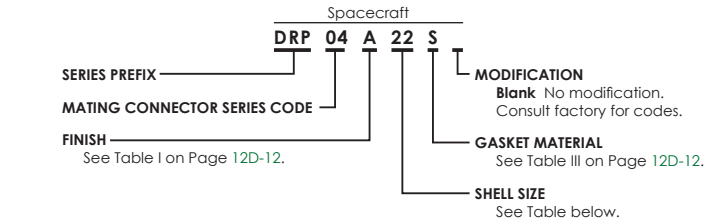
1. Dimensions in brackets [] are in millimeters.

DCP04 Dust Cap for Receptacle (MS3181)

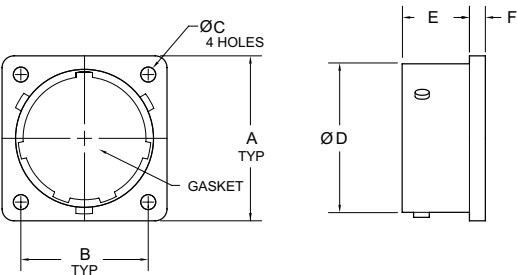


DASH NO.	SHELL SIZE	B MAX.	D MAX.	E MIN.	F NOM.
8C, 8N, 8R	8	.734 [18.64]	.844 [21.44]	.578 [14.68]	3.00 [76.20]
10C, 10N, 10R	10	.859 [21.82]	.844 [21.44]	.703 [17.86]	3.00 [76.20]
12C, 12N, 12R	12	1.000 [25.40]	.844 [21.44]	.891 [22.63]	3.50 [88.90]
14C, 14N, 14R	14	1.125 [28.57]	.844 [21.44]	1.016 [25.81]	3.50 [88.90]
16C, 16N, 16R	16	1.250 [31.75]	.844 [21.44]	1.141 [28.98]	3.50 [88.90]
18C, 18N, 18R	18	1.375 [34.92]	.844 [21.44]	1.266 [32.16]	3.50 [88.90]
20C, 20N, 20R	20	1.500 [38.10]	.844 [21.44]	1.391 [35.33]	4.00 [101.6]
22C, 22N, 22R	22	1.625 [41.27]	.844 [21.44]	1.516 [38.51]	4.00 [101.6]
24C, 24N, 24R	24	1.750 [44.45]	.875 [22.22]	1.641 [41.68]	4.00 [101.6]

1. Dimensions in brackets [] are in millimeters.



DRP04 Dummy Receptacle (MS3115)

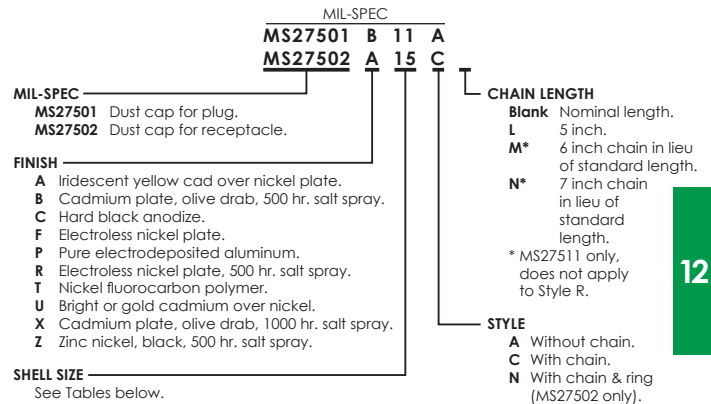
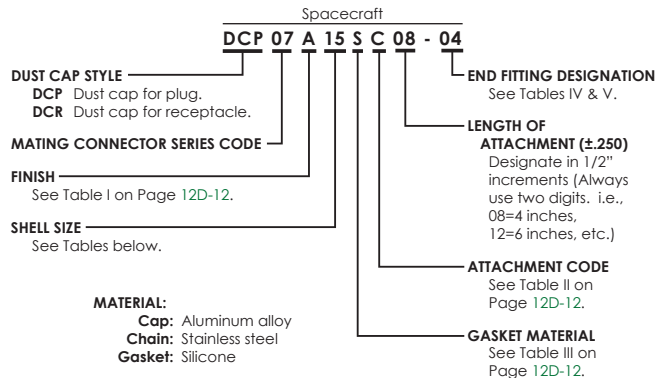


DASH NO.	A MAX.	B	C ±.005 [±0.13]	D +.001 -.005 [+0.03] [-0.13]	E +.031 -.000 [+0.79] [-0.00]	F ±.016 [±0.41]
8	.828 [21.03]	.594 [15.09]	.120 [3.05]	.473 [12.01]	.462 [11.73]	.062 [1.57]
10	.954 [24.23]	.719 [18.26]	.120 [3.05]	.590 [14.99]	.462 [11.73]	.062 [1.57]
12	1.047 [26.59]	.812 [20.62]	.120 [3.05]	.750 [19.05]	.462 [11.73]	.062 [1.57]
14	1.141 [28.98]	.906 [23.01]	.120 [3.05]	.875 [22.22]	.462 [11.73]	.062 [1.57]
16	1.234 [31.34]	.969 [24.61]	.120 [3.05]	1.000 [25.40]	.462 [11.73]	.062 [1.57]
18	1.328 [33.73]	1.062 [26.97]	.120 [3.05]	1.125 [28.57]	.462 [11.73]	.062 [1.57]
20	1.453 [36.88]	1.156 [29.36]	.120 [3.05]	1.250 [31.75]	.556 [14.12]	.094 [2.39]
22	1.578 [40.08]	1.250 [31.75]	.120 [3.05]	1.375 [34.92]	.556 [14.12]	.094 [2.39]
24	1.703 [43.26]	1.375 [34.92]	.147 [3.73]	1.500 [38.10]	.589 [14.96]	.094 [2.39]

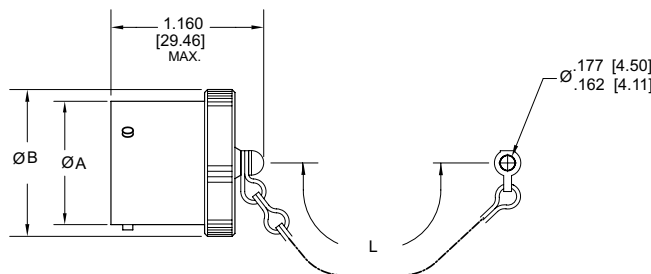
1. Dimensions in brackets [] are in millimeters.

DUST CAPS & DUMMY RECEPTACLES MIL-DTL-38999 Series I

DCP07, DCR07 & DRP07



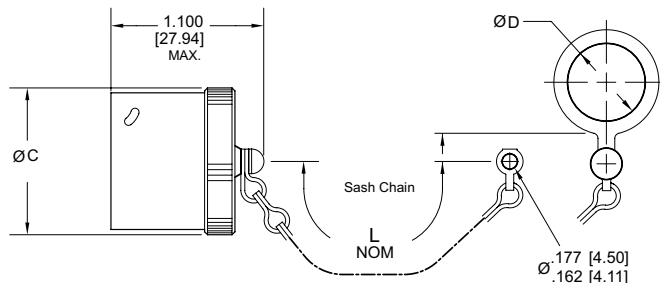
DCR07 Dust Cap for Plug (MS27501)



SHELL SIZE	A MAX.	B MAX.	L NOM.
9	.579 [14.71]	.820 [20.83]	3.00 [76.20]
11	.711 [18.06]	.940 [23.88]	3.00 [76.20]
13	.860 [21.84]	1.070 [27.18]	3.50 [88.90]
15	.984 [24.99]	1.190 [30.23]	3.50 [88.90]
17	1.109 [28.17]	1.320 [33.53]	3.50 [88.90]
19	1.216 [30.89]	1.440 [36.58]	3.50 [88.90]
21	1.341 [34.06]	1.570 [39.88]	4.00 [101.60]
23	1.466 [37.24]	1.690 [42.93]	4.00 [101.60]
25	1.591 [40.41]	1.820 [46.23]	4.00 [101.60]

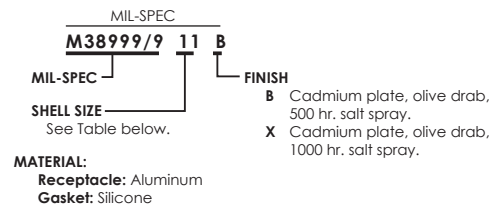
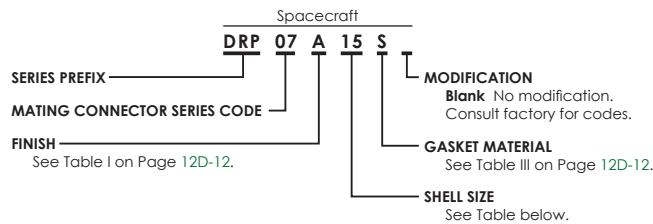
1. Dimensions in brackets [] are in millimeters.

DCP07 Dust Cap for Receptacle (MS27502)

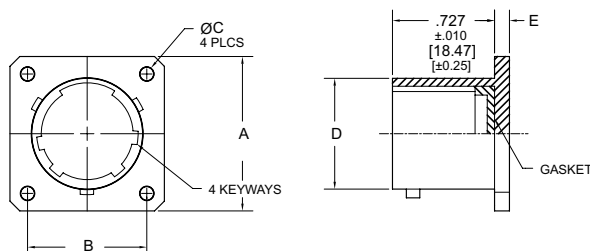


SHELL SIZE	C MAX.	D MIN.	L NOM.
9	.860 [21.84]	.70 [17.78]	3.00 [76.20]
11	.980 [24.89]	.84 [21.34]	3.00 [76.20]
13	1.160 [29.46]	1.01 [25.65]	3.50 [88.90]
15	1.280 [32.51]	1.14 [28.96]	3.50 [88.90]
17	1.410 [35.81]	1.26 [32.00]	3.50 [88.90]
19	1.520 [38.61]	1.39 [35.31]	3.50 [88.90]
21	1.650 [41.91]	1.51 [38.35]	4.00 [101.60]
23	1.770 [44.96]	1.64 [41.66]	4.00 [101.60]
25	1.890 [48.01]	1.76 [44.70]	4.00 [101.60]

1. Dimensions in brackets [] are in millimeters.



DRP07 Dummy Receptacle (M38999/9)

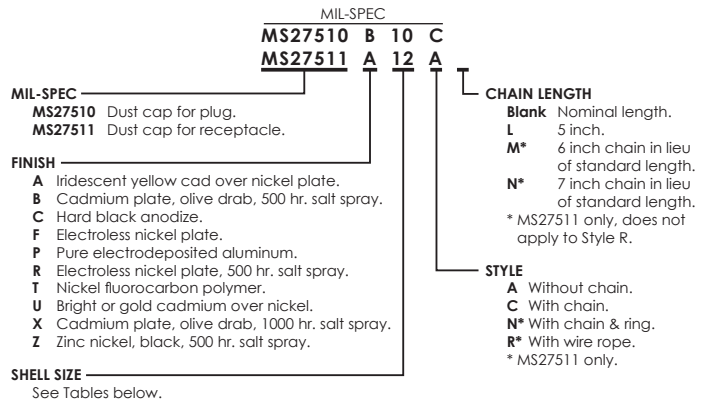
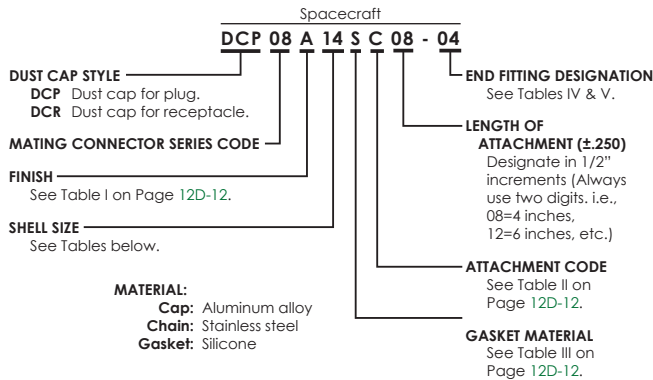


SHELL SIZE	A ±.020 [±0.51]	B DIM	ØC	D +.001 -.005 [+0.03] [-0.13]	E DIM
9	.928 [23.57]	.719 [18.26]	.128 [3.25]	.572 [14.53]	.085 [2.16]
11	1.031 [26.19]	.812 [20.62]	.128 [3.25]	.700 [17.78]	.085 [2.16]
13	1.125 [28.57]	.906 [23.01]	.128 [3.25]	.850 [21.59]	.085 [2.16]
15	1.219 [30.96]	.969 [24.61]	.128 [3.25]	.975 [24.76]	.085 [2.16]
17	1.312 [33.32]	1.062 [26.97]	.128 [3.25]	1.100 [27.94]	.085 [2.16]
19	1.438 [36.53]	1.156 [29.36]	.128 [3.25]	1.207 [30.66]	.085 [2.16]
21	1.562 [39.67]	1.250 [31.75]	.128 [3.25]	1.332 [33.83]	.115 [2.92]
23	1.688 [42.88]	1.375 [34.92]	.147 [3.73]	1.457 [37.01]	.115 [2.92]
25	1.812 [46.02]	1.500 [38.10]	.147 [3.73]	1.582 [40.18]	.115 [2.92]

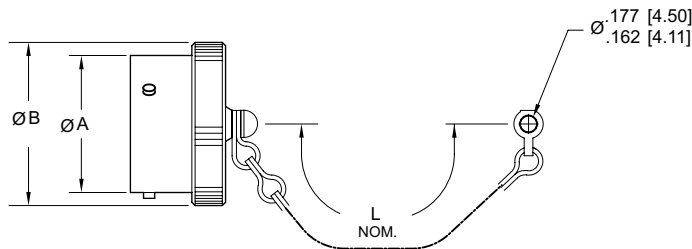
1. Dimensions in brackets [] are in millimeters.

MIL-DTL-38999 Series II DUST CAPS & DUMMY RECEPTACLES

DCP08, DCR08 & DRP08



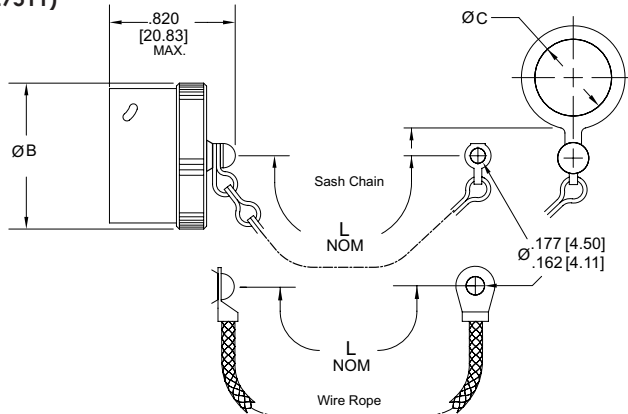
DCR08 Dust Cap for Plug (MS27510)



SHELL SIZE	A MAX.	B MAX.	L NOM.
8	.474 [12.04]	.719 [18.26]	3.00 [76.20]
10	.591 [15.01]	.844 [21.44]	3.00 [76.20]
12	.751 [19.08]	1.000 [25.40]	3.50 [88.90]
14	.876 [22.25]	1.125 [28.57]	3.50 [88.90]
16	1.001 [25.43]	1.250 [31.75]	3.50 [88.90]
18	1.126 [28.60]	1.375 [34.92]	3.50 [88.90]
20	1.251 [31.78]	1.500 [38.10]	4.00 [101.60]
22	1.376 [34.95]	1.625 [41.27]	4.00 [101.60]
24	1.501 [38.13]	1.750 [44.45]	4.00 [101.60]

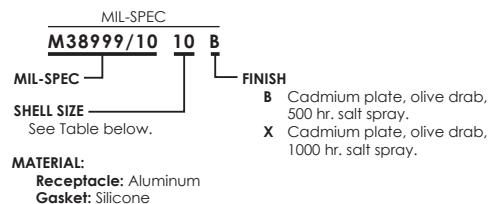
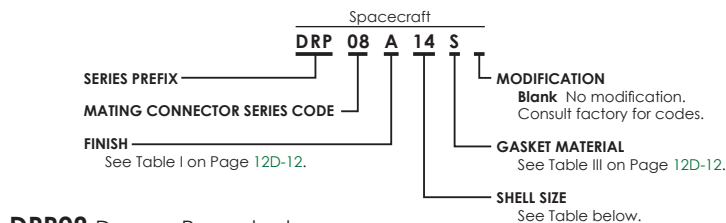
1. Dimensions in brackets [] are in millimeters.

DCP08 Dust Cap for Receptacle (MS27511)

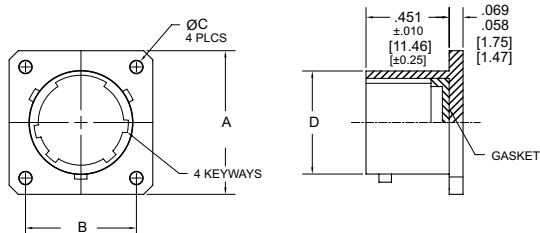


SHELL SIZE	B MAX.	C MIN.	L NOM.
8	.734 [18.64]	.89 [22.61]	3.00 [76.20]
10	.859 [21.82]	1.01 [25.65]	3.00 [76.20]
12	1.000 [25.40]	1.14 [28.96]	3.00 [76.20]
14	1.125 [28.57]	1.26 [32.00]	3.50 [88.90]
16	1.250 [31.75]	1.39 [35.31]	3.50 [88.90]
18	1.375 [34.92]	1.51 [38.35]	3.50 [88.90]
20	1.500 [38.10]	1.64 [41.66]	4.00 [101.60]
22	1.625 [41.27]	1.76 [44.70]	4.00 [101.60]
24	1.750 [44.45]	1.89 [48.01]	4.00 [101.60]

1. Dimensions in brackets [] are in millimeters.



DRP08 Dummy Receptacle (M38999/10)

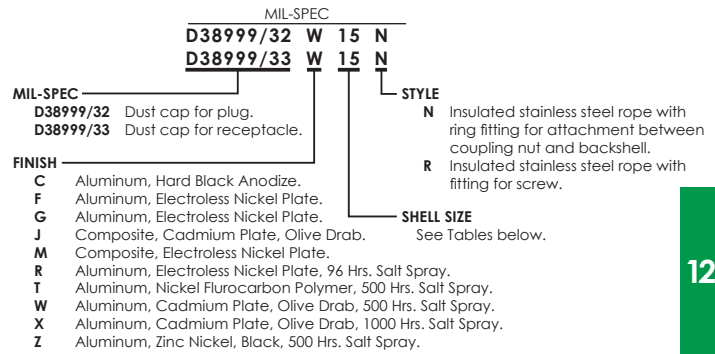
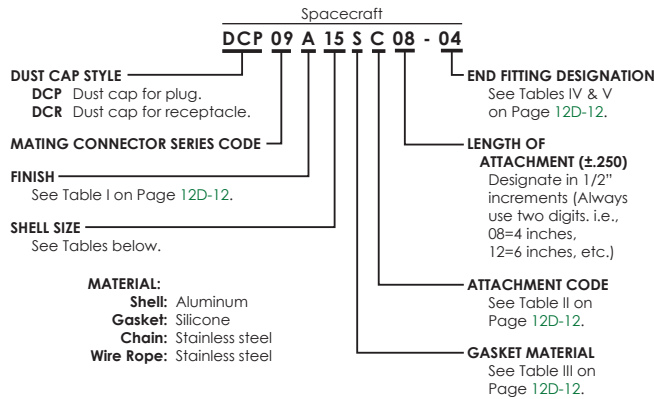


SHELL SIZE	A MAX.	B BSC.	ØC +.010 -.005 [+0.30] [-0.13]	D +.001 -.005 [+0.03] [-0.13]
8	.828 [21.03]	.594 [15.09]	.120 [3.05]	.473 [12.01]
10	.954 [24.23]	.719 [18.26]	.120 [3.05]	.590 [14.99]
12	1.047 [26.59]	.812 [20.62]	.120 [3.05]	.750 [19.05]
14	1.141 [28.98]	.906 [23.01]	.120 [3.05]	.875 [22.22]
16	1.234 [31.34]	.969 [24.61]	.120 [3.05]	1.000 [25.40]
18	1.328 [33.73]	1.062 [26.97]	.120 [3.05]	1.125 [28.57]
20	1.453 [36.91]	1.156 [29.36]	.120 [3.05]	1.250 [31.75]
22	1.578 [40.08]	1.250 [31.75]	.120 [3.05]	1.375 [34.92]
24	1.703 [43.26]	1.375 [34.92]	.147 [3.73]	1.500 [38.10]

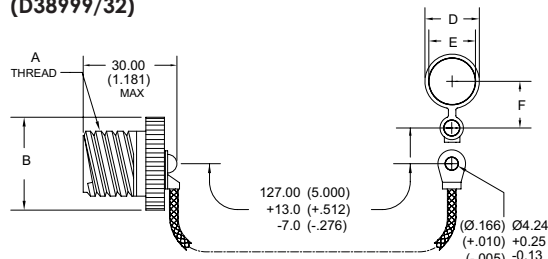
1. Dimensions in brackets [] are in millimeters.

DUST CAPS & DUMMY RECEPTACLES MIL-DTL-38999 Series III

DCP09, DCR09 & DRP09



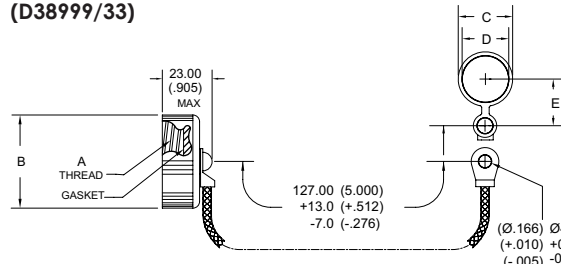
DCR09 Dust Cap for Plug (D38999/32)



SHELL SIZE	MILITARY SHELL SIZE CODE	A THREAD CLASS 2A	ØB MAX.	ØD MAX.	ØE MIN.	F
9	A	.6250-0.1P-0.3L-TS	0.905 [23.0]	0.945 [24.0]	0.512 [13.0]	.945-.571 [24.00-14.50]
11	B	.7500-0.1P-0.3L-TS	1.023 [26.0]	1.063 [27.0]	0.709 [18.0]	.807-.709 [20.50-18.00]
13	C	.8750-0.1P-0.3L-TS	1.220 [31.0]	1.181 [30.0]	0.787 [20.0]	1.083-.787 [27.00-20.00]
15	D	1.0000-0.1P-0.3L-TS	1.299 [33.0]	1.220 [31.0]	0.905 [23.0]	.886-.709 [22.50-18.00]
17	E	1.1875-0.1P-0.3L-TS	1.457 [37.0]	1.457 [37.0]	1.023 [26.0]	1.201-.925 [30.50-23.50]
19	F	1.2500-0.1P-0.3L-TS	1.575 [40.0]	1.575 [40.0]	1.142 [29.0]	1.240-.984 [31.50-25.00]
21	G	1.3750-0.1P-0.3L-TS	1.732 [44.0]	1.732 [44.0]	1.260 [32.0]	1.299-1.043 [33.00-26.50]
23	H	1.5000-0.1P-0.3L-TS	1.811 [46.0]	1.811 [46.0]	1.339 [34.0]	1.339-1.083 [34.00-27.50]
25	J	1.6250-0.1P-0.3L-TS	1.968 [50.0]	1.929 [49.0]	1.535 [39.0]	1.496-1.181 [38.00-30.00]

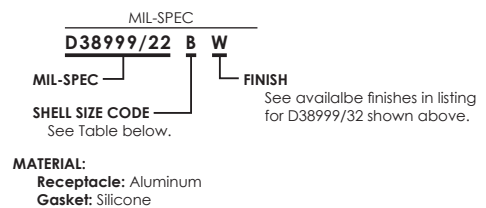
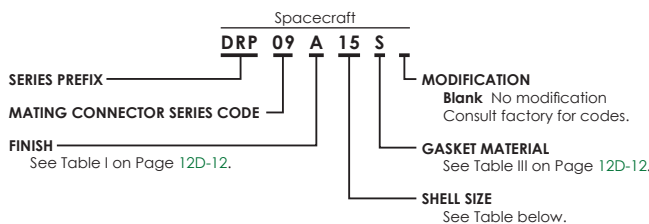
1. Dimensions in brackets [] are in millimeters.

DCP09 Dust Cap for Receptacle (D38999/33)

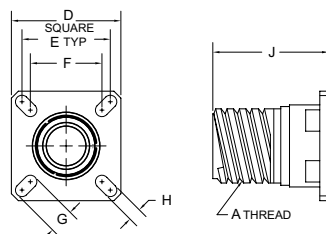


SHELL SIZE	MILITARY SHELL SIZE CODE	A THREAD CLASS 2B	ØB MAX.	ØC MAX.	ØD MIN.	E
9	A	.6250-0.1P-0.3L-TS	.905 [23.0]	1.083 [27.0]	.694 [17.64]	.827-.709 [21.00-18.00]
11	B	.7500-0.1P-0.3L-TS	1.102 [28.0]	1.260 [32.0]	.865 [21.97]	.886-.728 [22.50-18.50]
13	C	.8750-0.1P-0.3L-TS	1.220 [31.0]	1.457 [37.0]	.989 [25.12]	.984-.925 [25.00-23.50]
15	D	1.0000-0.1P-0.3L-TS	1.260 [32.0]	1.575 [40.0]	1.178 [29.92]	1.220-.984 [31.00-25.00]
17	E	1.1875-0.1P-0.3L-TS	1.457 [37.0]	1.732 [44.0]	1.260 [32.00]	1.279-1.043 [32.50-26.50]
19	F	1.2500-0.1P-0.3L-TS	1.535 [39.0]	1.811 [46.0]	1.428 [36.27]	1.339-1.102 [34.00-28.00]
21	G	1.3750-0.1P-0.3L-TS	1.653 [42.0]	1.929 [49.0]	1.506 [38.25]	1.398-1.181 [35.50-30.00]
23	H	1.5000-0.1P-0.3L-TS	1.772 [45.0]	2.126 [54.0]	1.678 [42.62]	1.476-1.240 [37.50-31.50]
25	J	1.6250-0.1P-0.3L-TS	1.929 [49.0]	2.205 [56.0]	1.750 [44.45]	1.535-1.299 [39.00-33.00]

1. Dimensions in brackets [] are in millimeters.



DRP09 Dummy Receptacle (D38999/22)

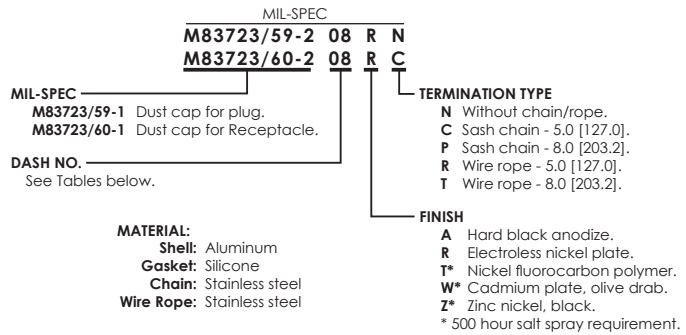
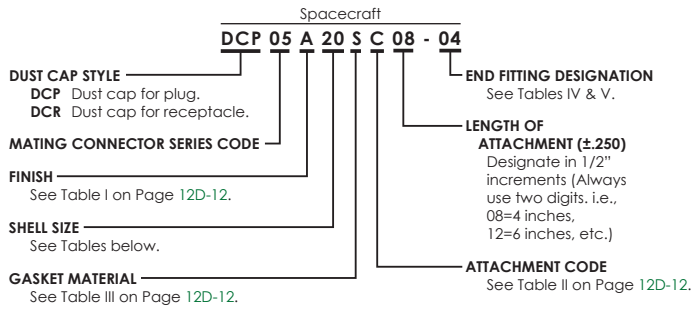


SHELL SIZE	MILITARY SHELL SIZE CODE	A R.H. THREAD	D ±.011 [±0.28]	E BSC	F BSC	G ±.007 [±0.18]	H ±.007 [±0.18]	J +.019 -0.000 [±0.48] [-0.00]
9	A	.625-.01-.03LTS	.937 [23.80]	.718 [18.24]	.594 [15.09]	.218 [5.54]	.129 [3.28]	.822 [20.88]
11	B	.750-.01-.03LTS	1.031 [26.19]	.811 [20.60]	.718 [18.24]	.195 [4.95]	.129 [3.28]	.822 [20.88]
13	C	.875-.01-.03LTS	1.125 [28.57]	.905 [22.99]	.811 [20.60]	.195 [4.95]	.129 [3.28]	.822 [20.88]
15	D	1.000-.01-.03LTS	1.220 [30.99]	.968 [24.59]	.905 [22.99]	.174 [4.42]	.129 [3.28]	.822 [20.88]
17	E	1.188-.01-.03LTS	1.311 [33.30]	1.061 [26.95]	.968 [24.59]	.195 [4.95]	.129 [3.28]	.822 [20.88]
19	F	1.250-.01-.03LTS	1.437 [36.50]	1.155 [29.34]	1.061 [26.95]	.195 [4.95]	.129 [3.28]	.822 [20.88]
21	G	1.375-.01-.03LTS	1.562 [39.67]	1.250 [31.75]	1.155 [29.34]	.195 [4.95]	.129 [3.28]	.791 [20.09]
23	H	1.500-.01-.03LTS	1.688 [42.88]	1.375 [34.92]	1.250 [31.75]	.238 [6.05]	.150 [3.81]	.791 [20.09]
25	J	1.625-.01-.03LTS	1.811 [46.00]	1.500 [38.10]	1.375 [34.92]	.238 [6.05]	.150 [3.81]	.791 [20.09]

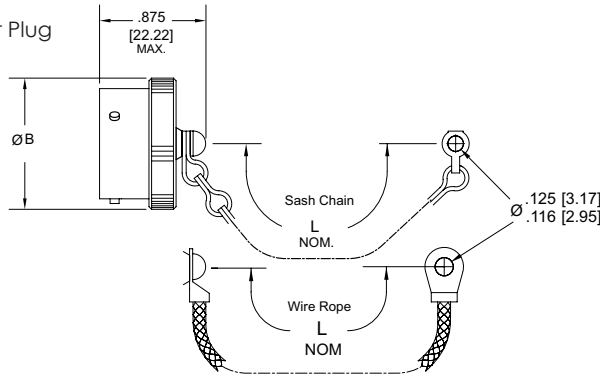
1. Dimensions in brackets [] are in millimeters.

MIL-DTL-83723 Series III Bayonet DUST CAPS & DUMMY RECEPT.

DCP05, DCR05 & DRP05



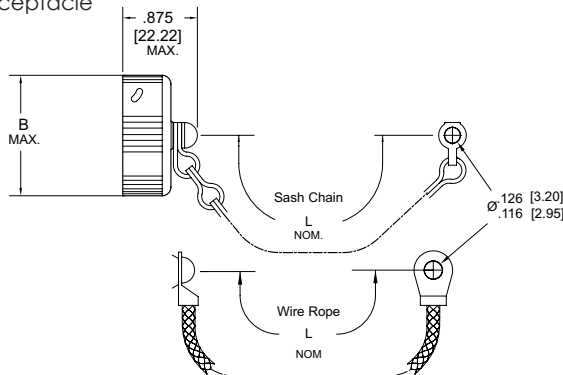
DCR05 Dust Cap for Plug (M83723/59-2)



DASH NUMBER	SHELL SIZE	B MAX.	L	
			TYPE C OR R	TYPE P OR T
8	8	.776 [19.71]	5.00 [127.00]	8.00 [203.20]
10	10	.906 [23.01]	5.00 [127.00]	8.00 [203.20]
12	12	1.078 [27.38]	5.00 [127.00]	8.00 [203.20]
14	14	1.141 [28.98]	5.00 [127.00]	8.00 [203.20]
16	16	1.266 [32.16]	5.00 [127.00]	8.00 [203.20]
18	18	1.375 [34.92]	5.00 [127.00]	8.00 [203.20]
20	20	1.510 [38.35]	5.00 [127.00]	8.00 [203.20]
22	22	1.625 [41.27]	5.00 [127.00]	8.00 [203.20]
24	24	1.760 [44.70]	5.00 [127.00]	8.00 [203.20]

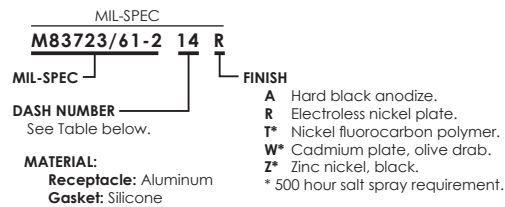
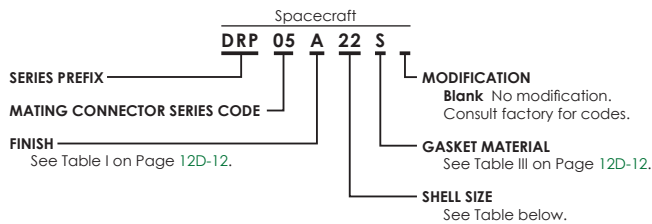
1. Dimensions in brackets [] are in millimeters.

DCP05 Dust Cap for Receptacle (M83723/60-2)

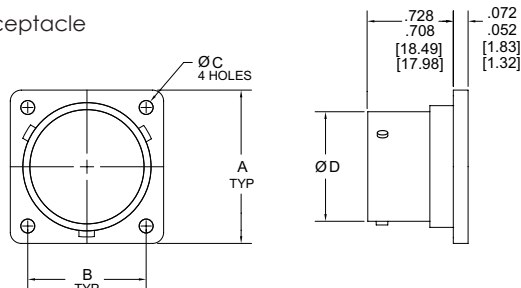


DASH NUMBER	SHELL SIZE	B MAX.	L CHAIN OR ROPE	
			TYPE C OR R	TYPE P OR T
8	8	.776 [19.71]	5.00 [127.00]	8.00 [203.20]
10	10	.906 [23.01]	5.00 [127.00]	8.00 [203.20]
12	12	1.078 [27.38]	5.00 [127.00]	8.00 [203.20]
14	14	1.141 [28.98]	5.00 [127.00]	8.00 [203.20]
16	16	1.266 [32.16]	5.00 [127.00]	8.00 [203.20]
18	18	1.375 [34.92]	5.00 [127.00]	8.00 [203.20]
20	20	1.510 [38.35]	5.00 [127.00]	8.00 [203.20]
22	22	1.625 [41.27]	5.00 [127.00]	8.00 [203.20]
24	24	1.760 [44.70]	5.00 [127.00]	8.00 [203.20]

1. Dimensions in brackets [] are in millimeters.



DRP05 Dummy Receptacle (M83723/61-2)

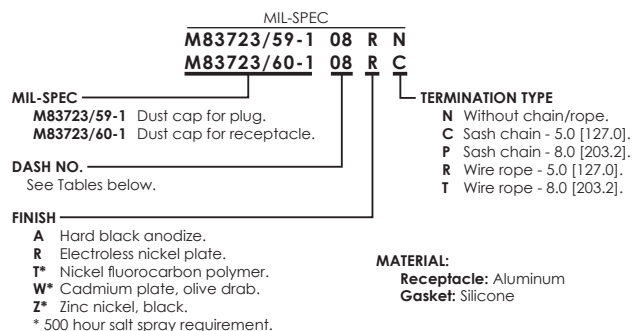
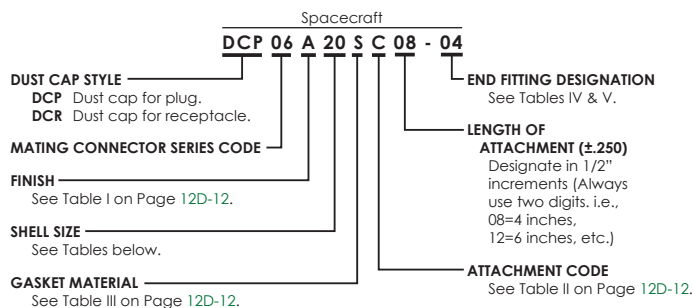


DASH NO.	SHELL SIZE	A	B	C +.000 -.009 [0.00] [-0.23]	ØD
8	8	.812 [20.62]	.594 [15.09]	.125 [3.17]	.562 [14.27]
10	10	.937 [23.80]	.719 [18.26]	.125 [3.17]	.696 [17.68]
12	12	1.031 [26.19]	.812 [20.62]	.125 [3.17]	.875 [22.22]
14	14	1.125 [28.57]	.906 [23.01]	.125 [3.17]	.935 [23.75]
16	16	1.250 [31.75]	.969 [24.61]	.125 [3.17]	1.062 [26.97]
18	18	1.343 [34.11]	1.062 [26.97]	.125 [3.17]	1.187 [30.15]
20	20	1.437 [36.50]	1.156 [29.36]	.125 [3.17]	1.312 [33.32]
22	22	1.562 [39.67]	1.250 [31.75]	.125 [3.17]	1.437 [36.50]
24	24	1.703 [43.26]	1.375 [34.92]	.154 [3.91]	1.562 [39.67]

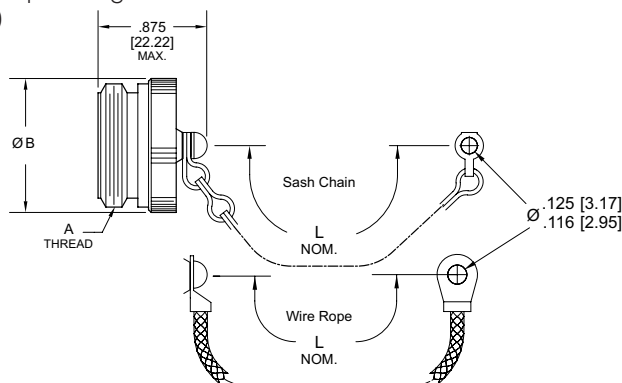
1. Dimensions in brackets [] are in millimeters.

DUST CAPS & DUMMY RECEPT. MIL-DTL-83723 Series III Threaded

DCP06, DCR06 & DRP06



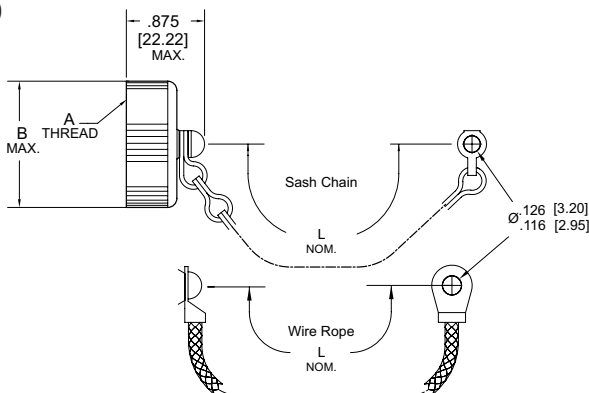
DCR06 Dust Cap for Plug (M83723/59-1)



DASH NUMBER	SHELL SIZE	A THREAD CLASS 2 UNEF	B MAX.	L	
				TYPE C OR R	TYPE P OR T
8	8	.562-24	.776 [19.71]	5.00 [127.00]	8.00 [203.20]
10	10	.688-24	.906 [23.01]	5.00 [127.00]	8.00 [203.20]
12	12	.875-20	1.078 [27.38]	5.00 [127.00]	8.00 [203.20]
14	14	.938-20	1.141 [28.98]	5.00 [127.00]	8.00 [203.20]
16	16	1.062-16	1.266 [32.16]	5.00 [127.00]	8.00 [203.20]
18	18	1.188-18	1.375 [34.92]	5.00 [127.00]	8.00 [203.20]
20	20	1.312-18	1.510 [38.35]	5.00 [127.00]	8.00 [203.20]
22	22	1.438-18	1.625 [41.27]	5.00 [127.00]	8.00 [203.20]
24	24	1.562-18	1.760 [44.70]	5.00 [127.00]	8.00 [203.20]

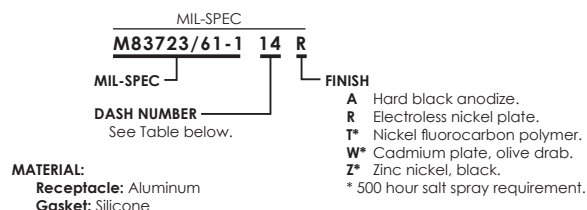
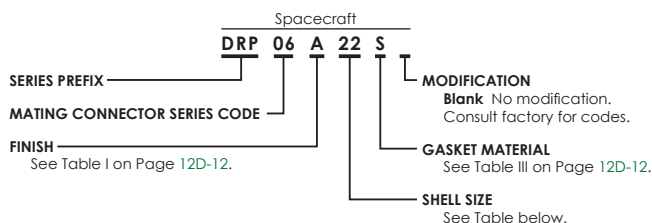
1. Dimensions in brackets [] are in millimeters.

DCP06 Dust Cap for Receptacle (M83723/60-1)

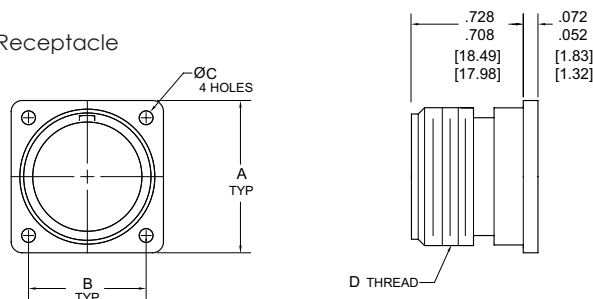


DASH NUMBER	SHELL SIZE	A THREAD CLASS 2 UNEF	B MAX.	L	
				TYPE C OR R	TYPE P OR T
8	8	.562-24	.776 [19.71]	5.00 [127.00]	8.00 [203.20]
10	10	.688-24	.906 [23.01]	5.00 [127.00]	8.00 [203.20]
12	12	.875-20	1.078 [27.38]	5.00 [127.00]	8.00 [203.20]
14	14	.938-20	1.141 [28.98]	5.00 [127.00]	8.00 [203.20]
16	16	1.062-16	1.266 [32.16]	5.00 [127.00]	8.00 [203.20]
18	18	1.188-18	1.375 [34.92]	5.00 [127.00]	8.00 [203.20]
20	20	1.312-18	1.510 [38.35]	5.00 [127.00]	8.00 [203.20]
22	22	1.438-18	1.625 [41.27]	5.00 [127.00]	8.00 [203.20]
24	24	1.562-18	1.760 [44.70]	5.00 [127.00]	8.00 [203.20]

1. Dimensions in brackets [] are in millimeters.



DRP06 Dummy Receptacle (M83723/61-1)

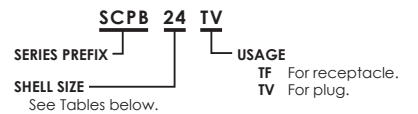
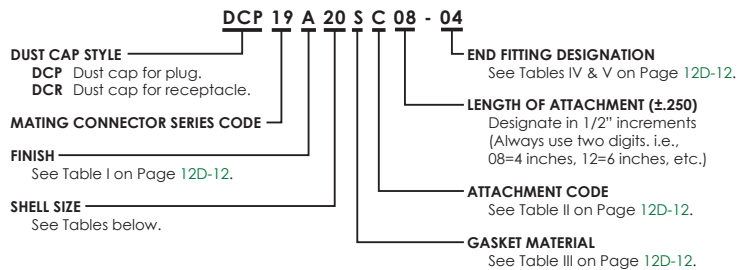


DASH NO.	SHELL SIZE	A	B	C +.000 -.009 [0.00] [-0.23]	D THREAD UNEF-2A
8	8	.812 [20.62]	.594 [15.09]	.125 [3.17]	.562-24
10	10	.937 [23.80]	.719 [18.26]	.125 [3.17]	.687-24
12	12	1.031 [26.19]	.812 [20.62]	.125 [3.17]	.875-20
14	14	1.125 [28.57]	.906 [23.01]	.125 [3.17]	.937-20
16	16	1.250 [31.75]	.969 [24.61]	.125 [3.17]	1.062-18
18	18	1.343 [34.11]	1.062 [26.97]	.125 [3.17]	1.187-18
20	20	1.437 [36.50]	1.156 [29.36]	.125 [3.17]	1.312-18
22	22	1.562 [39.67]	1.250 [31.75]	.125 [3.17]	1.437-18
24	24	1.703 [43.26]	1.375 [34.92]	.154 [3.91]	1.562-18

1. Dimensions in brackets [] are in millimeters.

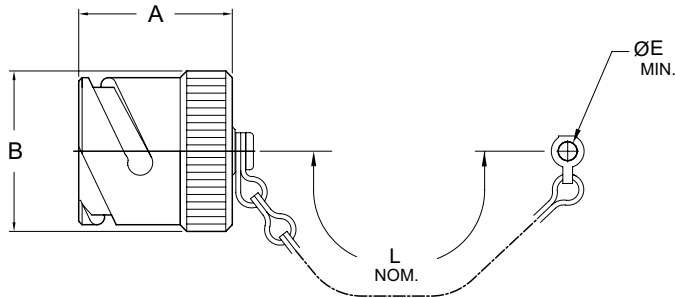
REVERSE BAYONET COUPLING CONNECTORS

DCP19, DCR19 & DRP19 – DUST CAPS & DUMMY RECEPTACLES



Material:
 Cap - Aluminum alloy
 Chain - Stainless steel
Finish: Cadmium olive drab, 48hr. salt spray

DCR19 Dust Cap for Plug (SCPB*TV)

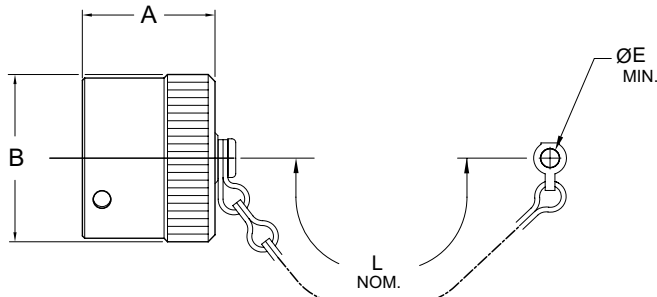


FOR PLUGS SCPB 06, 08, 064, 065

SHELL SIZE	A MAX.	B MAX.	E +0.5 -0.25	L APPROX.
10SL	1.142 [29.0]	.827 [21.0]	0.173 [4.4]	4.252 [108]
14S	1.142 [29.0]	1.083 [27.5]	0.173 [4.4]	4.843 [123]
16S	1.142 [29.0]	1.181 [30.0]	0.173 [4.4]	4.843 [123]
16	1.457 [37.0]	1.181 [30.0]	0.173 [4.4]	4.843 [123]
18	1.457 [37.0]	1.319 [33.5]	0.173 [4.4]	4.843 [123]
20	1.457 [37.0]	1.457 [37.0]	0.189 [4.8]	5.433 [138]
22	1.457 [37.0]	1.575 [40.0]	0.189 [4.8]	5.433 [138]
24	1.457 [37.0]	1.713 [43.5]	0.189 [4.8]	5.433 [138]
28	1.457 [37.0]	1.949 [49.5]	0.189 [4.8]	8.110 [206]
32	1.457 [37.0]	2.205 [56.0]	0.220 [5.6]	8.110 [206]
36	1.457 [37.0]	2.461 [62.5]	0.220 [5.6]	8.110 [206]
40	1.457 [37.0]	2.665 [67.7]	0.220 [5.6]	8.110 [206]

1. Dimensions in brackets [] are in millimeters.

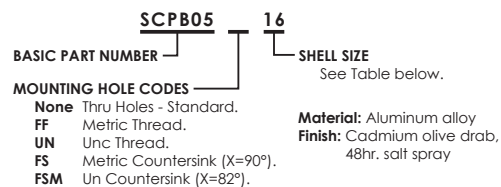
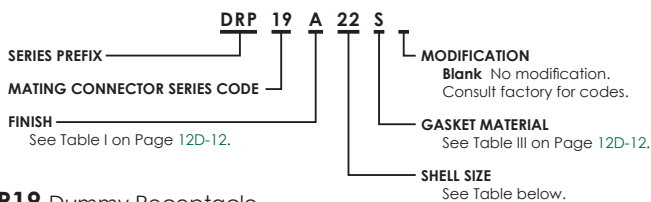
DCP19 Dust Cap for Receptacle (SCPB*TF)



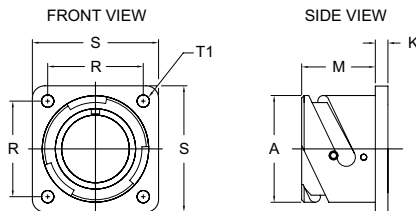
FOR RECEPTACLES
 SCPB 00, 01 02, 03, 020, 030, 038, 07, 070, TB

SHELL SIZE	A MAX.	B MAX.	E +0.5 -0.25	L APPROX.
10SL	0.787 [20.0]	.925 [23.5]	0.173 [4.4]	4.252 [108]
14S	0.787 [20.0]	1.201 [30.5]	0.173 [4.4]	4.252 [108]
16S	0.787 [20.0]	1.299 [33.0]	0.173 [4.4]	4.252 [108]
16	0.984 [25.0]	1.299 [33.0]	0.173 [4.4]	4.843 [123]
18	0.984 [25.0]	1.476 [37.5]	0.173 [4.4]	4.843 [123]
20	0.984 [25.0]	1.614 [41.0]	0.173 [4.4]	4.843 [123]
22	0.984 [25.0]	1.732 [44.0]	0.173 [4.4]	4.843 [123]
24	0.984 [25.0]	1.870 [47.5]	0.173 [4.4]	4.843 [123]
28	0.984 [25.0]	2.146 [54.5]	0.220 [5.6]	8.110 [206]
32	0.984 [25.0]	2.402 [61.0]	0.220 [5.6]	8.110 [206]
36	0.984 [25.0]	2.657 [67.5]	0.220 [5.6]	8.110 [206]
40	0.984 [25.0]	2.874 [73.0]	0.220 [5.6]	8.110 [206]

1. Dimensions in brackets [] are in millimeters.

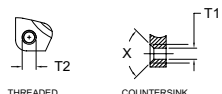


DRP19 Dummy Receptacle (SCPB05)



ENVIRONMENTAL WHEN USED WITH A FLANGE
 SEALING GASKET SCP36675 OR SCP4050

MOUNTING HOLE OPTIONS



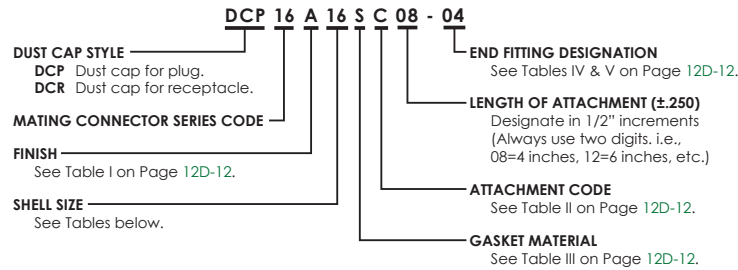
SHELL SIZE	FRONT VIEW					SIDE VIEW		
	R ±0.1	S ±0.3	T1 +0.1 -0.0	T2 THREAD		A +0.00 -0.15	K ±0.2	M +0.4 -0.0
				METRIC	UNC			
10SL	0.717 [18.2]	1.000 [25.4]	0.126 [3.2]	M4	8-32UNC	0.717 [18.2]	0.110 [2.8]	0.559 [14.2]
14S	0.906 [23.0]	1.181 [30.0]	0.126 [3.2]	M4	8-32UNC	0.969 [24.6]	0.126 [3.2]	0.559 [14.2]
16S	0.969 [24.6]	1.280 [32.5]	0.126 [3.2]	M4	8-32UNC	1.079 [27.4]	0.126 [3.2]	0.559 [14.2]
16	0.969 [24.6]	1.280 [32.5]	0.126 [3.2]	M4	8-32UNC	1.079 [27.4]	0.126 [3.2]	0.748 [19.0]
18	1.063 [27.0]	1.378 [35.0]	0.126 [3.2]	M4	8-32UNC	1.213 [30.8]	0.157 [4.0]	0.748 [19.0]
20	1.157 [29.4]	1.496 [38.0]	0.126 [3.2]	M4	8-32UNC	1.346 [34.2]	0.157 [4.0]	0.748 [19.0]
22	1.252 [31.8]	1.614 [41.0]	0.126 [3.2]	M4	8-32UNC	1.472 [37.4]	0.157 [4.0]	0.748 [19.0]
24	1.374 [34.9]	1.752 [44.5]	0.146 [3.7]	M4	10-24UNC	1.610 [40.9]	0.157 [4.0]	0.811 [20.6]
28	1.563 [39.7]	2.000 [50.8]	0.146 [3.7]	M5	10-24UNC	1.839 [46.7]	0.157 [4.0]	0.811 [20.6]
32	1.752 [44.5]	2.244 [57.0]	0.169 [4.3]	M5	1/4-20UNC	2.102 [53.4]	0.157 [4.0]	0.874 [22.2]
36	1.937 [49.2]	2.500 [63.5]	0.169 [4.3]	M5	1/4-20UNC	2.346 [59.6]	0.157 [4.0]	0.874 [22.2]
40	2.185 [55.5]	2.748 [69.8]	0.169 [4.3]	M5	1/4-20UNC	2.579 [65.5]	0.157 [4.0]	0.874 [22.2]

1. Dimensions in brackets [] are in millimeters.

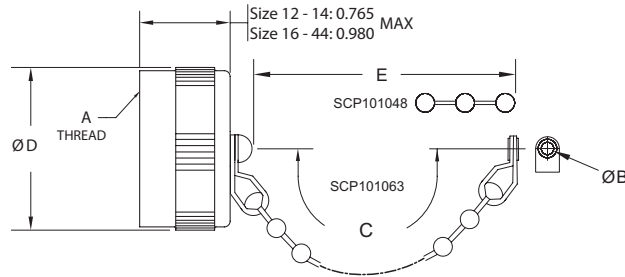
DUST CAPS & DUMMY RECEPTACLES AMPHENOL QWL **SWL Series**

DCP16, DCR16 & DRP16

12D



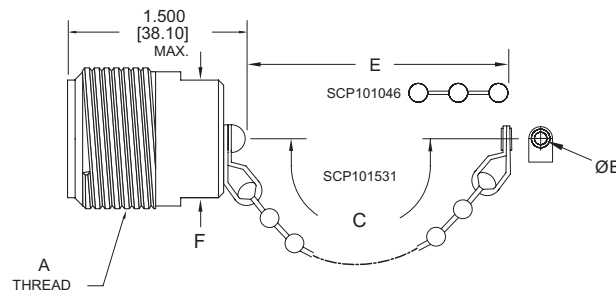
DCR16 Dust Cap for Plug (SCP101048/SCP101063)



SHELL SIZE	A THREAD CLASS 2A	B DIA +.010 -.000	ØC APPROX	ØD DIA MAX	E APPROX
10	.6250-0.05P-0.1L-DS	.140 [3.56]	3.000 [76.20]	.844 [21.44]	3.375 [85.73]
12	.7500-0.1P-0.2L-DS	.140 [3.56]	3.500 [88.90]	.969 [24.61]	3.875 [98.43]
14	.8750-0.1P-0.2L-DS	.140 [3.56]	3.500 [88.90]	1.094 [27.79]	3.875 [98.43]
16	1.0000-0.1P-0.2L-DS	.140 [3.56]	3.500 [88.90]	1.219 [30.96]	3.875 [98.43]
18	1.1250-0.1P-0.2L-DS	.193 [4.90]	3.500 [88.90]	1.344 [34.14]	4.000 [101.60]
20	1.2500-0.1P-0.2L-DS	.193 [4.90]	4.000 [101.60]	1.469 [37.31]	4.500 [114.30]
22	1.3750-0.1P-0.2L-DS	.193 [4.90]	4.000 [101.60]	1.562 [39.67]	4.500 [114.30]
24	1.5000-0.1P-0.2L-DS	.193 [4.90]	4.500 [114.30]	1.688 [42.88]	5.000 [127.00]
28	1.7500-0.1P-0.2L-DS	.193 [4.90]	4.500 [114.30]	1.938 [49.23]	5.000 [127.00]
32	2.0000-0.1P-0.2L-DS	.193 [4.90]	5.000 [127.00]	2.219 [56.36]	5.500 [139.70]
36	2.2500-0.1P-0.2L-DS	.193 [4.90]	5.000 [127.00]	2.469 [62.71]	5.500 [139.70]
40	2.5000-0.1P-0.2L-DS	.193 [4.90]	5.000 [127.00]	2.719 [69.06]	5.500 [139.70]
44	2.7500-0.1P-0.2L-DS	.193 [4.90]	6.000 [152.40]	2.969 [75.41]	6.000 [152.40]
48	3.0000-0.1P-0.2L-DS	.193 [4.90]	6.000 [152.40]	3.219 [81.76]	6.000 [152.40]

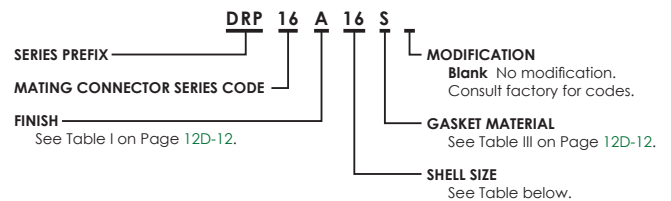
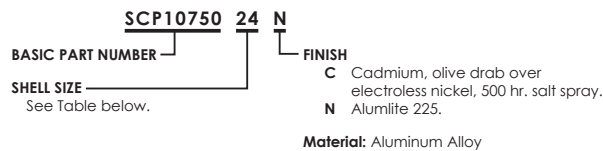
1. Dimensions in brackets [] are in millimeters.

DCP16 Dust Cap for Receptacle (SCP101046/SCP101531)

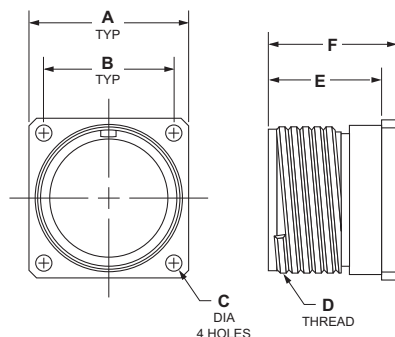


SHELL SIZE	A THREAD CLASS 2A	B DIA +.010 -.000	C APPROX	E APPROX	F ±.010 FLAT
10	.6250-0.05P-0.1L-DS	.125 [3.18]	3.000 [76.20]	3.375 [85.73]	.500 [12.70]
12	.7500-0.1P-0.2L-DS	.125 [3.18]	3.500 [88.90]	3.875 [98.43]	.625 [15.88]
14	.8750-0.1P-0.2L-DS	.125 [3.18]	3.500 [88.90]	3.875 [98.43]	.750 [19.05]
16	1.0000-0.1P-0.2L-DS	.140 [3.56]	3.500 [88.90]	3.875 [98.43]	.875 [22.23]
18	1.1250-0.1P-0.2L-DS	.140 [3.56]	3.500 [88.90]	4.000 [101.60]	1.000 [25.40]
20	1.2500-0.1P-0.2L-DS	.193 [4.90]	4.000 [101.60]	4.500 [114.30]	1.062 [26.97]
22	1.3750-0.1P-0.2L-DS	.193 [4.90]	4.000 [101.60]	4.500 [114.30]	1.125 [28.58]
24	1.5000-0.1P-0.2L-DS	.193 [4.90]	4.500 [114.30]	5.000 [127.00]	1.250 [31.75]
28	1.7500-0.1P-0.2L-DS	.193 [4.90]	4.500 [114.30]	5.000 [127.00]	1.500 [38.10]
32	2.0000-0.1P-0.2L-DS	.193 [4.90]	5.000 [127.00]	5.500 [139.70]	1.750 [44.45]
36	2.2500-0.1P-0.2L-DS	.193 [4.90]	5.000 [127.00]	5.500 [139.70]	2.000 [50.80]
40	2.5000-0.1P-0.2L-DS	.193 [4.90]	5.000 [127.00]	5.500 [139.70]	2.250 [57.15]
44	2.7500-0.1P-0.2L-DS	.193 [4.90]	6.000 [152.40]	6.000 [152.40]	2.500 [63.50]
48	3.0000-0.1P-0.2L-DS	.193 [4.90]	6.000 [152.40]	6.000 [152.40]	2.750 [69.85]

1. Dimensions in brackets [] are in millimeters.



DRP16 Dummy Receptacle (SCP10750)



Shell Size	A +.021 -.020	B	C ±.005	D Thread Class 2A	E +.010 -.000	F +.021 -.010
12	1.188 [30.18]	0.906 [23.01]	0.150 [3.81]	.8750-0.1P-0.2L-DS	0.797 [20.24]	0.938 [23.83]
14	1.281 [32.54]	0.969 [24.61]	0.150 [3.81]	1.000-0.1P-0.2L-DS	0.797 [20.24]	0.938 [23.83]
16	1.375 [34.93]	1.062 [26.97]	0.150 [3.81]	1.1250-0.1P-0.2L-DS	0.797 [20.24]	0.938 [23.83]
18	1.500 [38.10]	1.156 [29.36]	0.177 [4.50]	1.2500-0.1P-0.2L-DS	0.797 [20.24]	0.953 [24.21]
20	1.625 [41.28]	1.250 [31.75]	0.177 [4.50]	1.3750-0.1P-0.2L-DS	0.797 [20.24]	0.953 [24.21]
22	1.750 [44.45]	1.375 [34.93]	0.177 [4.50]	1.5000-0.1P-0.2L-DS	0.797 [20.24]	0.953 [24.21]
24	2.000 [50.80]	1.562 [39.67]	0.177 [4.50]	1.7500-0.1P-0.2L-DS	0.859 [21.82]	1.047 [26.59]
28	2.250 [57.15]	1.750 [44.45]	0.177 [4.50]	2.0000-0.1P-0.2L-DS	0.859 [21.82]	1.047 [26.59]
32	2.500 [63.50]	1.938 [49.23]	0.209 [5.31]	2.2500-0.1P-0.2L-DS	0.922 [23.42]	1.110 [28.19]
36	2.750 [69.85]	2.188 [55.58]	0.209 [5.31]	2.5000-0.1P-0.2L-DS	0.922 [23.42]	1.110 [28.19]
40	3.000 [76.20]	2.375 [60.33]	0.209 [5.31]	2.7500-0.1P-0.2L-DS	0.922 [23.42]	1.110 [28.19]
44	3.250 [82.55]	2.625 [66.68]	0.209 [5.31]	3.0000-0.1P-0.2L-DS	0.922 [23.42]	1.109 [28.17]

1. Dimensions in brackets [] are in millimeters.

DUST CAPS & DUMMY RECEPTACLES

FINISH, ATTACHMENT & GASKET CODES

TABLE I. FINISH CODES
CONSULT FACTORY FOR OTHER AVAILABLE FINISHES

Spacecraft Code	Finish	Specification(s)
H	Anodize, Black	AMS-A-8625, Type II, Class 2
B	Cadmium Plate, Black	AMS-QQ-P-416, Type II, Class 3
X	Cadmium Plate, Bright Over Electroless Nickel	AMS-QQ-P-416, Type I, Class 3 ASTMB 733-90, SC2, Type I, Class 5 over AMS-C-26074, Class 4, Grade B
E	Cadmium Plate, Gold Iridite, Over Electroless Nickel	MIL-C-5541, Class 3 AMS-QQ-P-416, Type II, Class 3 over AMS-C-26074, Class 4, Grade B
C	Cadmium Plate, Olive Drab	AMS-QQ-P-416, Type II, Class 3, 48 Hours
A	Cadmium Plate, Olive Drab Over Electroless Nickel	1000 Hour Corrosion Resistance
N	Electroless Nickel	AMS-C-26074, Class 4, Grade B
L	Zinc Cobalt, Dark Olive Drab	96 Hour Corrosion Resistance
P	Passivated, Stainless Steel	AMS-QQ-P-35
T	Nickel, Fluorocarbon Polymer	500 Hour Corrosion Resistance
W	Zinc Nickel, Black	ASTM B841 Type D

TABLE II. ATTACHMENT CODES

Attachment Code	Description
A	No Attachment Required
B	Bead Chain, Brass, Nickel Plated
C	Sash Chain, SST, Passivated
D	Bead Chain, SST, Passivated
E	Bead Chain, Brass, Cadmium, Olive Drab Plated
F	Bead Chain, Brass, Unfinished
I	Bead Chain, Brass, Black Oxide Finish
N	Wire Rope, No Jacket
P	Wire Rope, Polyurethane Jacket with Terminal
R	Wire Rope, SST, PVC Covered, Green Color
T	Wire Rope, SST, Teflon Covered, Natural Cover
U	Wire Rope, SST, Nylon Covered, Brown Color
V	Wire Rope, SST, Viton Covered, Black Color
W	Nylon Cord, Green Color, SST Terminal

TABLE III. GASKET MATERIAL CODES

Material Code	Material Description
A	Fluorosilicone, Blue
N	Neoprene, Black, MIL-R-3065
O	None Required
S	Silicone, Red, ZZ-R-765
C	Conductive Silicone

TABLE IV. EYELET END FITTING STYLES AND SIZES
(NOT USED WITH ATTACHMENT CODE A)

Dash No. Code	Y Ref. Dia.
00	No Eyelet
01	.125
02	.141
03	.167
04	.188
05	.219
06	.250
07	.156
08	.121

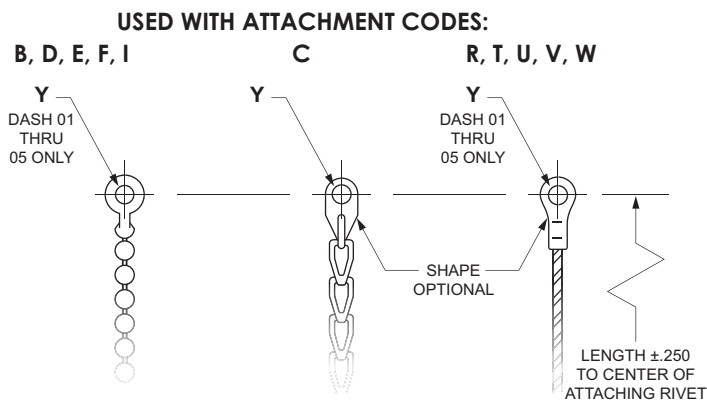
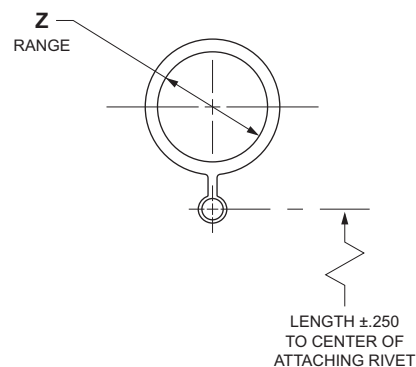


TABLE V. RING END FITTING SIZES
(NOT USED WITH ATTACHMENT CODE A)

DASH NO. CODE	Z RANGE	DASH NO. CODE	Z RANGE	DASH NO. CODE	Z RANGE
33	.401 - .391	15	1.072 - 1.052	24	2.088 - 2.078
34	.454 - .444	16	1.198 - 1.178	25	2.151 - 2.141
35	.464 - .454	17	1.322 - 1.302	26	2.276 - 2.266
36	.526 - .516	18	1.448 - 1.428	27	2.338 - 2.328
11	.604 - .584	19	1.572 - 1.552	28	2.401 - 2.391
37	.651 - .641	20	1.698 - 1.678	29	2.526 - 2.516
12	.729 - .709	21	1.822 - 1.802	30	2.651 - 2.641
13	.885 - .865	22	1.948 - 1.928	31	2.901 - 2.891
14	.948 - .918	23	2.026 - 2.016	32	3.026 - 3.016

USED WITH ATTACHMENT CODES:
B THRU W



SECTION 13D

GASKETS FOR FLANGE-MOUNT RECEPTACLES

13D

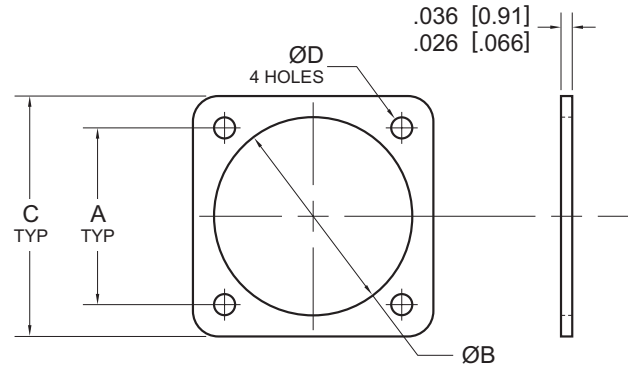


GASKETS FOR FLANGE MOUNT RECEPTACLES

930 SERIES

930 - 0892 - XXX

SERIES ——— **COLOR & MATERIAL**
SHELL SIZE & DIMENSIONS ——— See Table below.



COLOR & MATERIAL DESIGNATION	MATERIAL	SPECIFICATION	GRADE	TYPE	DUROMETER	COLOR
000	Neoprene	AMS3208	60	—	50 ±5	Black
010	Conductive Neoprene	None (Obsolete, use Silicone per MIL-DTL-83528 designator 643)				
032	Viton	MIL-R-83248	—	II	75 ±5	Black
242	Silicone	AA-59588	50	—	50 ±5	Red
643	Conductive Silicone Silver Filled	MIL-DTL-83528	—	B	65	Blue
651	Fluorosilicone	MIL-DTL-25988	60	II	60	Blue
844	Conductive-Silicone w/ Monel Mesh, capable of 80 dB at 100 MHz, temperature range -57C to +260C	None	—	—	30	Gray

Chart Listing by Connector Part Number

Part Number	Chart	Part Number	Chart	Part Number	Chart	Part Number	Chart	Part Number	Chart	Part Number	Chart
D38999/20	F	M81511/31	G	M83723/71	D	MS3132	H	MS24264	D	MS27662	F
D38999/40	F	M81511/35	G	M83723/72	D	MS3139	H	MS27466	F	MS27664	D
M28840/10	E	M81511/41	G	M83723/82	D	MS3140	H	MS27472	D	MS90555	C
M28840/12	E	M81511/51	G	M83723/83	D	MS3400	A	MS27479	D	MS90558	C
M28840/20	E	M83723/01	D	MS3100	A	MS3402	A	MS27496	F	NAS1641	D
M28876/1	E	M83723/02	D	MS3102	A	MS3412	A	MS27497	D	NAS1650	D
M28876/2	E	M83723/19	A	MS3103	A	MS3450	A	MS27499	D	NAS1692	D
M28876/3	E	M83723/20	A	MS3110	D	MS3452	A	MS27504	D	NAS1699	D
M28876/4	E	M83723/21	A	MS3112	D	MS3470	D	MS27508	D		
M28876/26	E	M83723/22	A	MS3120	D	MS3472	D	MS27513	D		
M81511/01	G	M83723/38	D	MS3122	D	MS17343	B	MS27613	D		
M81511/21	G	M83723/39	D	MS3130	H	MS17346	B	MS27656	F		

Chart A
MIL-DTL-5015

Connectors	Shell Size	Part No.	A ±.015	B +.020 -.000	C ±.015	D ±.010
M83723/19 M83723/20 M83723/21 M83723/22 MS3100 MS3102 MS3103 MS3400 MS3402 MS3412 MS3450 MS3452	8S	930-0893.*	.594	.500	.875	.156
	10S, 10SL	930-1093.*	.719	.625	1.000	.156
	12, 12S	930-1293.*	.812	.750	1.094	.141
	14, 14S	930-1493.*	.906	.875	1.188	.156
	16, 16S	930-1693.*	.969	1.000	1.281	.156
	18	930-1893.*	1.062	1.135	1.375	.156
	20	930-2093.*	1.156	1.250	1.500	.177
	22	930-2293.*	1.250	1.375	1.625	.177
	24	930-2490.*	1.375	1.500	1.750	.203
	28	930-2890.*	1.562	1.750	2.000	.203
	32	930-3290.*	1.750	2.000	2.250	.219
	36	930-3693.*	1.938	2.250	2.500	.219
	40	930-4093.*	2.188	2.500	2.750	.219
	44	930-4493.*	2.375	2.781	3.000	.219
	48	930-4893.*	2.625	3.031	3.250	.219

Chart B
MIL-DTL-22992 Class C, J, R

Connectors	Shell Size	Part No.	A	B	C	D
MS17343 MS17346	12	930-1493.*	.906	.874	1.188	.156
	14	930-1693.*	.969	1.000	1.281	.156
	16	930-1893.*	1.062	1.135	1.375	.156
	18	930-2093.*	1.156	1.250	1.500	.177
	20	930-2293.*	1.250	1.375	1.625	.177
	22	930-2490.*	1.375	1.500	1.750	.203
	24	930-2890.*	1.562	1.750	2.000	.203
	28	930-3290.*	1.750	2.000	2.250	.219
	32	930-3690.*	1.938	2.250	2.500	.219
	36	930-4090.*	2.188	2.500	2.750	.219
	40	930-4492.*	2.375	2.750	3.000	.219
	44	930-4892.*	2.625	3.000	3.250	.219

* Color & Material to be selected.

* Color & Material to be selected.

GASKETS FOR FLANGE MOUNT RECEPTACLES

930 SERIES

Chart D
MIL-DTL-26482, MIL-DTL-26500
MIL-DTL-38999 Series II
MIL-DTL-83723 Series I & III &
NAS1599

Connectors			Shell Size	Part No.	A ±.015	B +.020 -.000	C ±.015	D ±.010
M83723/01 M83723/02 M83723/38 M83723/39 M83723/71 M83723/72 M83723/82 M83723/83	MS3110	MS27499	8	930-0892-*	.594	.568	.812	.125
	MS3112	MS27504	10	930-1092-*	.719	.680	.937	.125
	MS3120	MS27508	12	930-1292-*	.812	.875	1.060	.141
	MS3122	MS27513	14	930-1492-*	.906	1.005	1.153	.125
	MS3470	MS27613	16	930-1692-*	.969	1.135	1.258	.156
	MS24264	MS27664	18	930-1892-*	1.062	1.260	1.351	.156
	MS27472	NAS1641	20	930-2092-*	1.156	1.375	1.500	.141
	MS27479	NAS1650	22	930-2292-*	1.250	1.500	1.625	.141
	MS27497	NAS1692	24	930-2492-*	1.375	1.625	1.750	.177
		NAS1699						

* Color & Material to be selected.

Chart C
MIL-DTL-22992 Class L

Connectors	Shell Size	Part No.	A ±.015	B +.020 -.000	C ±.015	D ±.010
MS90555 MS90558	28	930-2894-*	1.719	2.000	2.375	.177
	32	930-3294-*	1.906	2.250	2.625	.219
	40	930-4094-*	2.406	2.750	3.125	.281
	44	930-4494-*	2.656	3.000	3.375	.281
	48	930-4894-*	2.906	3.250	3.625	.281
	52	930-5294-*	3.156	3.500	3.875	.281

* Color & Material to be selected.

Chart E
MIL-DTL-28840 &
MIL-PRF-28876

Connectors	Shell Size	Part No.	A ±.015	B +.020 -.000	C ±.015	D ±.010
M28840/10 M28840/12 M28840/20 M28876/1 M28876/2 M28876/3 M28876/4 M28876/20	11	930-1196-*	.750	.750	1.023	.125
	13	930-1395-*	.843	.875	1.138	.125
	15	930-1693-*	.969	1.000	1.281	.156
	17	930-1795-*	1.015	1.125	1.383	.125
	19	930-1995-*	1.140	1.312	1.508	.125
	23	930-2395-*	1.281	1.500	1.718	.125
	25	930-2595-*	1.392	1.625	1.818	.141
	29	930-2995-*	1.568	1.875	2.138	.141
	33	930-3395-*	1.734	2.062	2.328	.177

* Color & Material to be selected.

Chart F
MIL-DTL-38999 Series I, III, & IV

Connectors	Shell Size	Part No.	A	B	C	D
D38999/20 D38999/40 MS27466 MS27496 MS27656 MS27662	9, A	930-1092-*	.719	.680	.937	.125
	11, B	930-1292-*	.812	.875	1.060	.141
	13, C	930-1492-*	.906	1.005	1.153	.125
	15, D	930-1692-*	.969	1.135	1.250	.156
	17, E	930-1892-*	1.062	1.260	1.351	.156
	19, F	930-2092-*	1.156	1.375	1.500	.141
	21, G	930-2292-*	1.250	1.500	1.625	.141
	23, H	930-2492-*	1.375	1.625	1.750	.177
	25, J	930-2599-*	1.500	1.750	1.875	.177

* Color & Material to be selected.

Chart G
MIL-C-81511

Connectors	Shell Size	Part No.	A	B	C	D
M81511/01 M81511/21 M81511/31 M81511/35 M81511/41 M81511/51	8	930-0892-*	.594	.568	.812	.125
	10	930-1092-*	.719	.680	.937	.125
	14	930-1998-*	.906	.938	1.125	.125
	16	930-2798-*	.969	1.063	1.250	.125
	18	930-1899-*	1.062	1.189	1.343	.125
	20	930-2099-*	1.156	1.312	1.467	.125
	22	930-2299-*	1.250	1.437	1.562	.125
	24	930-2499-*	1.375	1.563	1.703	.156

* Color & Material to be selected.

Chart H
AS81703 Series 1 & 2

Connector	Shell Size	Part No.	A	B	C	D
MS3130 MS3132 MS3139 MS3140	3	930-0398-*	.625	.603	.896	.125
	7	930-1092-*	.719	.680	.937	.125
	12	930-1298-*	.812	.828	1.114	.125
	19	930-1998-*	.906	.938	1.125	.125
	27	930-2798-*	.969	1.063	1.250	.125
	37	930-3798-*	1.187	1.266	1.458	.125
	61	930-6198-*	1.436	1.570	1.799	.125

* Color & Material to be selected.

GASKETS FOR FLANGE MOUNT RECEPTACLES

MS51007 & MS52000

For **MIL-DTL-5015**, **MIL-DTL-22992** Class C, J & R

ORDERING INFORMATION

MS51007 - 10

MS52000 - 10

MIL-SPEC

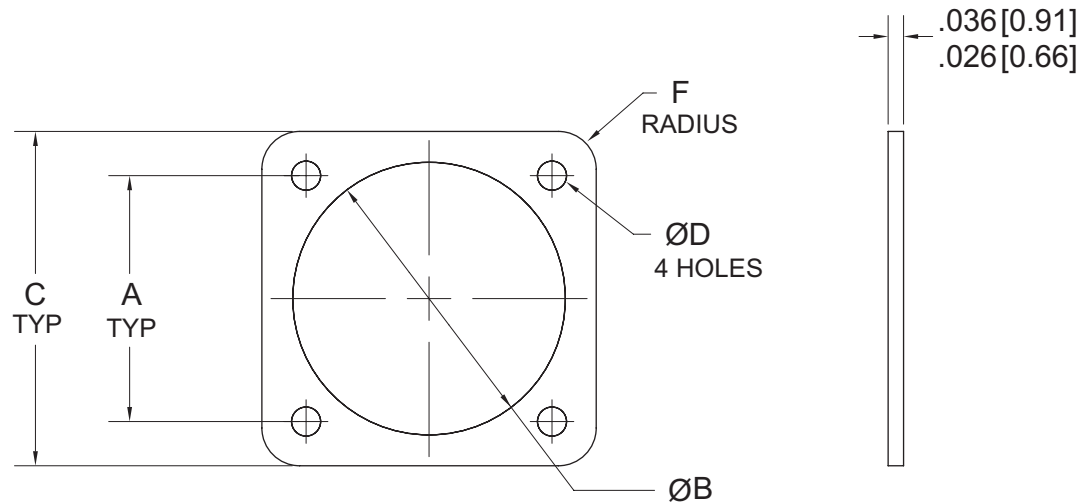
DASH NUMBER

See Dimension Table below.

MATERIAL:

MS51007 - Neoprene Per MIL-STD-417

MS52000 - Neoprene Per MIL-R-3065



DASH NUMBER	FOR SHELL SIZE		A ±.010 [±0.25]	ØB +.016 -.000 [+0.41 -0.00]	C +.016 -.000 [+0.41 -0.00]	ØD ±.010 [±0.25]	F RADIUS ±.010 [±0.25]	Alternate Part # (see page 13D-2)
	MIL-DTL-5015	MIL-DTL-22992 CLASS C, J&R						
1	8S	-	.594 [15.09]	.500 [12.70]	.875 [22.22]	.172 [4.37]	.141 [3.58]	930-0893-XXX
2	10S & 10SL	-	.719 [18.26]	.625 [15.87]	1.000 [25.40]	.172 [4.37]	.141 [3.58]	930-1093-XXX
3	12 & 12S	-	.812 [20.62]	.750 [19.05]	1.094 [27.79]	.172 [4.37]	.141 [3.58]	930-1293-XXX
4	14 & 14S	12	.906 [23.01]	.875 [22.22]	1.188 [30.18]	.172 [4.37]	.141 [3.58]	930-1493-XXX
5	16 & 16S	14	.969 [24.61]	1.000 [25.40]	1.281 [32.54]	.172 [4.37]	.156 [3.96]	930-1693-XXX
6	18	16	1.062 [26.97]	1.125 [28.57]	1.375 [34.92]	.203 [5.16]	.156 [3.96]	930-1893-XXX
7	20	18	1.156 [29.36]	1.250 [31.75]	1.500 [38.10]	.203 [5.16]	.172 [4.37]	930-2093-XXX
8	22	20	1.250 [31.75]	1.375 [34.92]	1.625 [41.27]	.203 [5.16]	.188 [4.78]	930-2293-XXX
9	24	22	1.375 [34.92]	1.500 [38.10]	1.750 [44.45]	.203 [5.16]	.188 [4.78]	930-2490-XXX
10	28	24	1.562 [39.67]	1.750 [44.45]	2.000 [50.80]	.203 [5.16]	.219 [5.56]	930-2890-XXX
11	28	-	2.188 [55.58]	1.750 [44.45]	2.688 [68.28]	.203 [5.16]	.250 [6.35]	-
12	32	28	1.750 [44.45]	2.000 [50.80]	2.250 [57.15]	.219 [5.56]	.250 [6.35]	930-3290-XXX
13	36	32	1.938 [49.23]	2.188 [55.58]	2.500 [63.50]	.219 [5.56]	.281 [7.14]	930-3693-XXX
14	40	36	2.188 [55.58]	2.438 [61.93]	2.750 [69.85]	.219 [5.56]	.281 [7.14]	930-4093-XXX

Dimensions in brackets [] are in millimeters.

GASKETS FOR FLANGE MOUNT RECEPTACLES

SCP229401

For **SC1***, **SC2***, **SC3***, **SCPDM** & **SCPT** (MIL-DTL-26482, MIL-DTL-38999 All Series, AS81703)

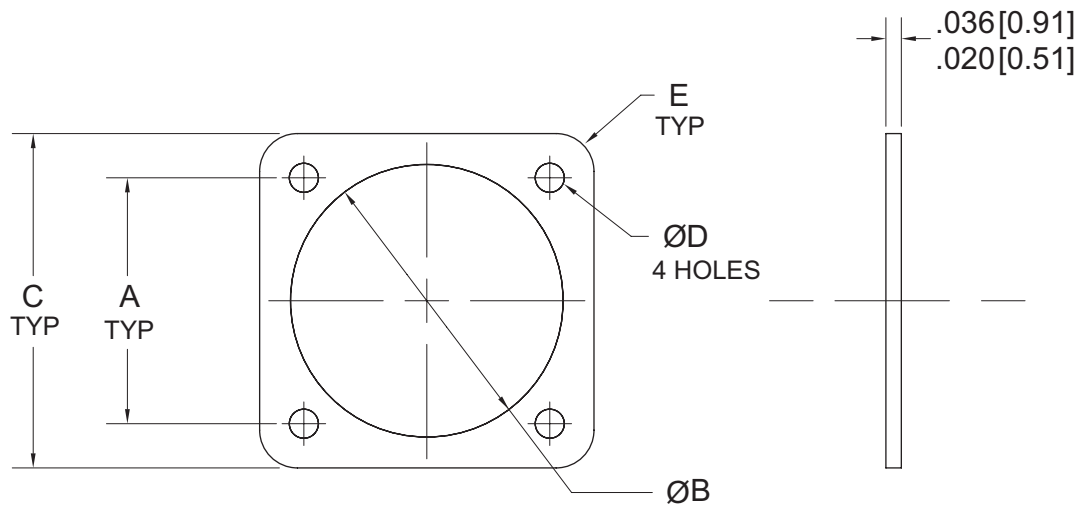
ORDERING INFORMATION

SCP229401 N 01

SERIES PREFIX — **DASH NUMBER**
See Table below.

MATERIAL —

- C** Conductive silicone with monel mesh.
- F** Fluorosilicone, MIL-DTL-25988.
- N** Neoprene, AMS3208.
- S** Silicone, A-A59588.



13D

DASH NO	FOR SHELL SIZE				A ±.005 [0.13]	ØB DIA. ±.007 [0.18]	C ±.008 [0.20]	ØD ±.005 [0.13]	E RAD REF.	Alternate Part # (See page 13D-2)
	MIL-DTL- 26482	MIL-DTL-38999 SERIES		SAE- AS81703						
		I & II	III							
01	8	8	—	—	0.594 [15.09]	0.562 [14.27]	0.812 [20.62]	0.125 [3.18]	0.105 [2.67]	930-0892-XXX
02	—	—	—	3	0.625 [15.88]	0.603 [15.32]	0.896 [22.76]	0.125 [3.18]	0.105 [2.67]	930-0398-XXX
03	10	9 & 10	A & 9	7	0.719 [18.26]	0.687 [17.45]	0.937 [23.80]	0.125 [3.18]	0.105 [2.67]	930-1092-XXX
04	12	11 & 12	B & 11	—	0.812 [20.62]	0.772 [19.61]	1.031 [26.19]	0.125 [3.18]	0.105 [2.67]	930-1299-XXX
05	—	—	—	12	0.812 [20.62]	0.828 [21.03]	1.114 [28.30]	0.125 [3.18]	0.105 [2.67]	930-1298-XXX
06	14	13 & 14	C & 13	19	0.906 [23.01]	0.937 [23.80]	1.125 [28.58]	0.125 [3.18]	0.105 [2.67]	930-1998-XXX
07	16	15 & 16	D & 15	27	0.969 [24.61]	1.063 [27.00]	1.250 [31.75]	0.125 [3.18]	0.135 [3.43]	930-2798-XXX
08	18	17 & 18	E & 17	—	1.062 [26.97]	1.187 [30.15]	1.343 [34.11]	0.125 [3.18]	0.135 [3.43]	930-1899-XXX
09	—	—	—	37	1.187 [30.15]	1.266 [32.16]	1.458 [37.03]	0.125 [3.18]	0.135 [3.43]	930-3798-XXX
10	20	19 & 20	F & 19	—	1.156 [29.36]	1.312 [33.32]	1.467 [37.26]	0.125 [3.18]	0.135 [3.43]	930-2099-XXX
11	22	22 & 22	G & 21	—	1.250 [31.75]	1.437 [36.50]	1.562 [39.67]	0.125 [3.18]	0.135 [3.43]	930-2299-XXX
12	24	23 & 24	H & 23	—	1.375 [34.93]	1.562 [39.67]	1.703 [43.26]	0.152 [3.86]	0.135 [3.43]	930-2499-XXX
13	—	—	—	61	1.436 [36.47]	1.570 [39.88]	1.799 [45.69]	0.125 [3.18]	0.135 [3.43]	930-6198-XXX
14	—	—	J & 25	—	1.500 [38.10]	1.600 [40.64]	1.812 [46.02]	0.152 [3.86]	0.135 [3.43]	930-2592-XXX

Dimensions in brackets [] are in millimeters.

GASKETS FOR FLANGE MOUNT RECEPTACLES

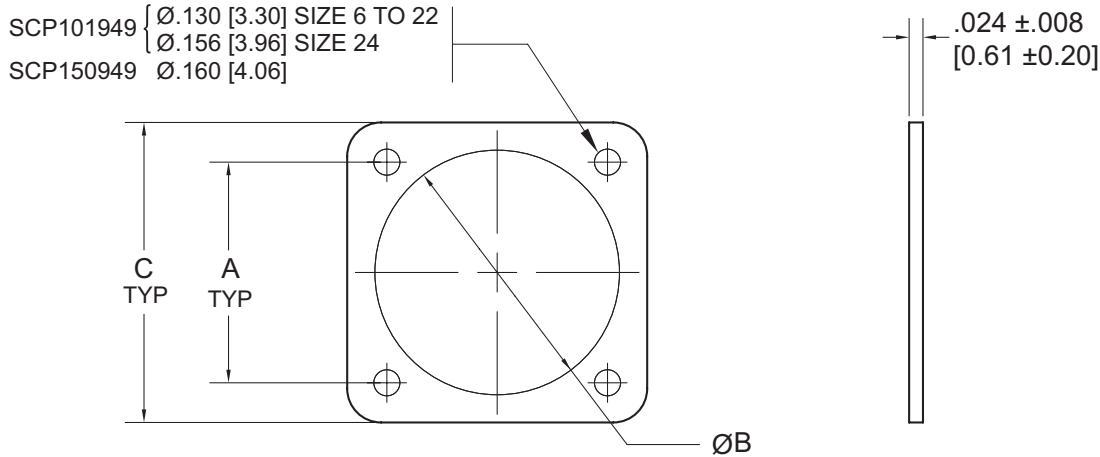
SCP101949 & SCP150949

For **SCPC & SCPT** Series (MIL-DTL-26482 Series 1 & 2, Bayonet Or Threaded Coupling)

ORDERING INFORMATION

SCP101949 - 22
 SERIES PREFIX — SHELL SIZE
 See Table I below.

SCP150949 - 22
 SERIES PREFIX — SHELL SIZE
 See Table II below.



MATERIAL: Buna-N low temperature resilient rubber.

TABLE I. SCPT SERIES

SHELL SIZE	A ±.010 [±0.25]	B +.016 -.000 [0.41] [0.00]	C ±.010 [±0.25]	Alternate Part # (See page 13D-2)
6	.469 [11.91]	.375 [9.52]	.688 [17.48]	930-0696-XXX
8	.594 [15.09]	.500 [12.70]	.812 [20.62]	930-0896-XXX
10	.719 [18.26]	.625 [15.88]	.938 [23.83]	930-1096-XXX
12	.813 [20.65]	.750 [19.05]	1.031 [26.19]	930-1296-XXX
14	.906 [23.01]	.875 [22.23]	1.125 [28.58]	930-1496-XXX
16	.969 [24.61]	1.000 [25.40]	1.219 [30.96]	930-1696-XXX
18	1.063 [27.00]	1.125 [28.58]	1.312 [33.32]	930-1896-XXX
20	1.156 [29.36]	1.250 [31.75]	1.438 [36.53]	930-2096-XXX
22	1.250 [31.75]	1.375 [34.93]	1.563 [39.70]	930-2296-XXX
24	1.375 [34.93]	1.500 [38.10]	1.688 [42.88]	930-2496-XXX

Dimensions in brackets [] are in millimeters.

TABLE II. SCPC SERIES

SHELL SIZE	A ±.010 [±0.25]	B +.016 -.000 [0.41] [0.00]	C ±.010 [±0.25]	Alternate Part # (See page 13D-2)
6	.641 [16.28]	.375 [9.52]	.953 [24.21]	930-0697-XXX
8	.734 [18.64]	.500 [12.70]	1.047 [26.59]	930-0897-XXX
10	.812 [20.62]	.625 [15.88]	1.125 [28.58]	930-1097-XXX
12	.938 [23.83]	.750 [19.05]	1.250 [31.75]	930-1297-XXX
14	1.031 [26.19]	.875 [22.23]	1.344 [34.14]	930-1497-XXX
16	1.125 [28.58]	1.000 [25.40]	1.438 [36.53]	930-1697-XXX
18	1.203 [30.56]	1.125 [28.58]	1.516 [38.51]	930-1897-XXX
20	1.297 [32.94]	1.250 [31.75]	1.672 [42.47]	930-2097-XXX
22	1.375 [34.93]	1.375 [34.93]	1.750 [44.45]	930-2297-XXX

Dimensions in brackets [] are in millimeters.

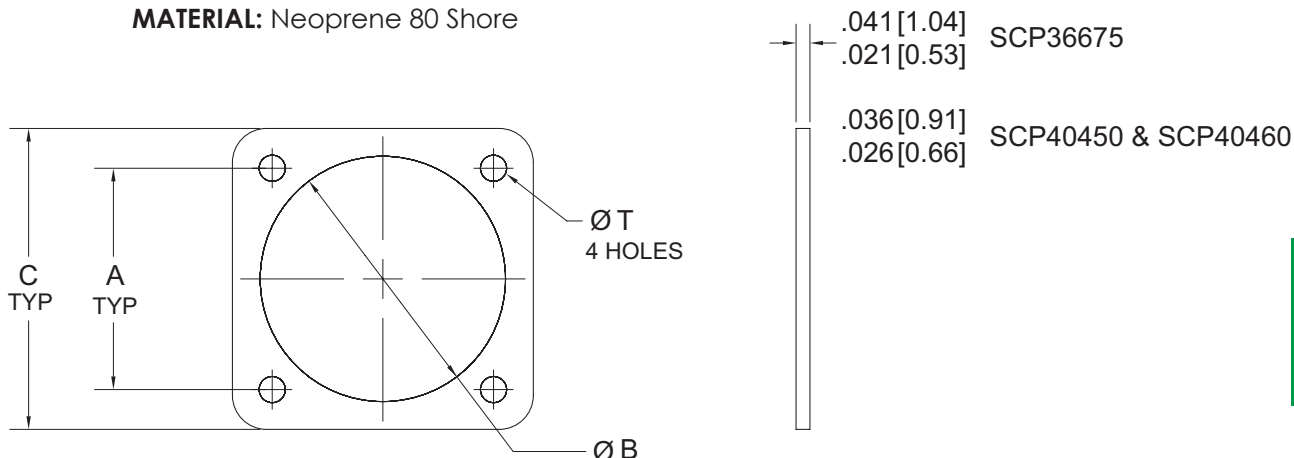


GASKETS FOR FLANGE MOUNT RECEPTACLES

SCP36675, SCP40450 & SCP40460

For **SCP, SWL & SWLD** Series (MIL-DTL-5015 Threaded & Reverse Bayonet Coupling), MIL-DTL-22992

MATERIAL: Neoprene 80 Shore



13D

MIL-DTL-5015 SHELL TYPES: MS3100*, MS3102*, MS3103*, SCP00*, SCP02*, TBF*											
MIL-DTL-5015 REVERSE BAYONET SHELL TYPES: SCPB00*, SCPB02*, SCPB020*, SCPBTBF*											
MIL-DTL-5015 REVERSE BAYONET SHELL TYPES: SCPB03*, SCPB030*											
SWL SERIES SHELL TYPES: SCP1070*, SCP1072*, SCP1074*, SCP1079*											
SWLD SERIES SHELL TYPES: SCP17343, SCP17346											
					PART NUMBER (-67°F TO -278°F)	PART NUMBER (0°F TO +257°F) NOTE 2	A ±.010	B +.016 -.000	C +.016 -.000	ØT ±.010	Alternate Part # (See page 13D-2)
8S	-	-	-	-	SCP36675-8	SCP40450-8	.594 [15.09]	.500 [12.70]	.875 [22.23]	.172 [4.37]	930-0890-XXX
10S.10SL	10SL	-	10	-	SCP36675-10	SCP40450-10	.719 [18.26]	.626 [15.90]	1.000 [25.40]	.172 [4.37]	930-1090-XXX
-	-	10SL	-	-	-	SCP40460-10	.719 [18.26]	.717 [18.21]	1.000 [25.40]	.172 [4.37]	930-1091-XXX
12.12S	12S	-	12	-	SCP36675-12	SCP40450-12	.813 [20.65]	.750 [19.05]	1.094 [27.79]	.172 [4.37]	930-1290-XXX
-	-	12.12S	-	-	-	SCP40460-12	.813 [20.65]	.843 [21.40]	1.094 [27.79]	.172 [4.37]	930-1291-XXX
14.14S	14S	-	14	12	SCP36675-14	SCP40450-14	.906 [23.01]	.875 [22.23]	1.188 [30.18]	.172 [4.37]	930-1490-XXX
-	-	14.14S	-	-	-	SCP40460-14	.906 [23.01]	.968 [24.60]	1.188 [30.18]	.172 [4.37]	930-1491-XXX
16.16S	16S	-	16	14	SCP36675-16	SCP40450-16	.969 [24.60]	1.000 [25.40]	1.281 [32.54]	.172 [4.37]	930-1690-XXX
-	-	16.16S	-	-	-	SCP40460-16	.969 [24.60]	1.081 [27.40]	1.281 [32.54]	.172 [4.37]	930-1691-XXX
18	18	-	18	16	SCP36675-18	SCP40450-18	1.062 [27.00]	1.125 [28.58]	1.375 [34.93]	.203 [5.16]	930-1890-XXX
-	-	18	-	-	-	SCP40460-18	1.062 [27.00]	1.213 [30.80]	1.375 [34.93]	.203 [5.16]	930-1891-XXX
20	20	-	20	18	SCP36675-20	SCP40450-20	1.156 [29.36]	1.250 [31.75]	1.500 [38.10]	.203 [5.16]	930-2090-XXX
-	-	20	-	-	-	SCP40460-20	1.156 [29.36]	1.345 [34.20]	1.500 [38.10]	.203 [5.16]	930-2091-XXX
22	22	-	22	20	SCP36675-22	SCP40450-22	1.250 [31.75]	1.375 [34.93]	1.625 [41.28]	.203 [5.16]	930-2290-XXX
-	-	22	-	-	-	SCP40460-22	1.250 [31.75]	1.472 [37.40]	1.625 [41.28]	.203 [5.16]	930-2291-XXX
24	24	-	24	22	SCP36675-24	SCP40450-24	1.375 [34.93]	1.500 [38.10]	1.750 [44.45]	.203 [5.16]	930-2490-XXX
-	-	24	-	-	-	SCP40460-24	1.375 [34.93]	1.610 [40.90]	1.750 [44.45]	.203 [5.16]	930-2491-XXX
28	28	-	28	24	SCP36675-28	SCP40450-28	1.563 [39.70]	1.750 [44.45]	2.000 [50.80]	.203 [5.16]	930-2890-XXX
-	-	28	-	-	-	SCP40460-28	1.563 [39.70]	1.840 [46.70]	2.000 [50.80]	.203 [5.16]	930-2891-XXX
32	32	-	32	28	SCP36675-32	SCP40450-32	1.750 [44.45]	2.000 [50.80]	2.250 [57.15]	.219 [5.56]	930-3290-XXX
-	-	32	-	-	-	SCP40460-32	1.750 [44.45]	2.102 [53.40]	2.250 [57.15]	.219 [5.56]	930-3291-XXX
36	36	-	36	32	SCP36675-36	SCP40450-36	1.938 [49.23]	2.188 [55.58]	2.500 [63.50]	.219 [5.56]	930-3690-XXX
-	-	36	-	-	-	SCP40460-36	1.938 [49.23]	2.345 [59.60]	2.500 [63.50]	.219 [5.56]	930-3691-XXX
40	40	-	40	36	SCP36675-40	SCP40450-40	2.188 [55.58]	2.438 [61.93]	2.750 [69.85]	.219 [5.56]	930-4090-XXX
-	-	40	-	-	-	SCP40460-40	2.188 [55.58]	2.580 [65.50]	2.750 [69.85]	.219 [5.56]	930-4091-XXX
44	-	-	44	40	SCP36675-44	SCP40450-44	2.375 [60.33]	2.688 [68.28]	3.000 [76.20]	.219 [5.56]	930-4490-XXX
48	-	-	48	44	SCP36675-48	SCP40450-48	2.625 [66.68]	2.938 [74.63]	3.250 [82.55]	.219 [5.56]	930-4890-XXX

1. Dimensions in brackets [] are in millimeters.
2. For shielding add "S" after the part number.
3. For silicone material add "FS" after part number

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SECTION 14D

JAM NUTS

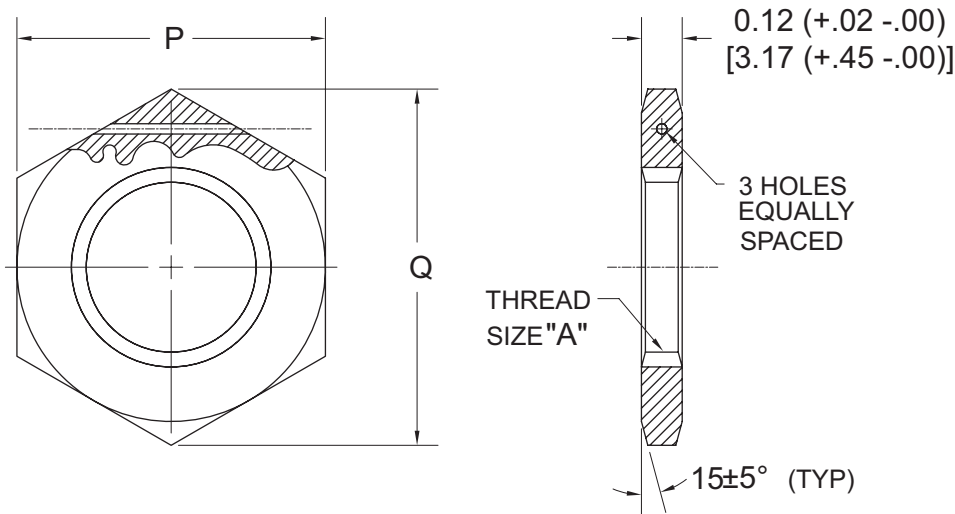
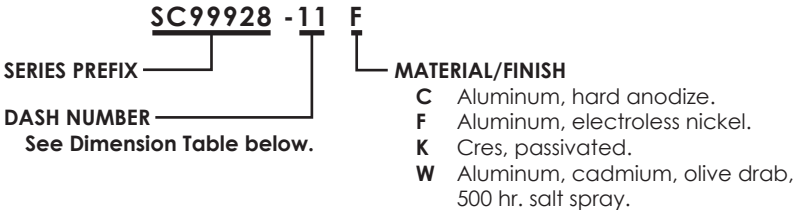
14D

HEXAGONAL MOUNTING NUT

SC99928

For **SC3*** Series (MIL-DTL-38999 Series III)

ORDERING INFORMATION



DASH NO.	MIL-DTL-38999 SERIES III SHELL SIZE	A THREAD SIZE	P	Q APPROX.
1	9	M17X1-6H	0.945 - 0.912 [24.00 - 23.17]	1.091 [27.70]
2	11	M20X1-6H	1.063 - 1.030 [27.00 - 26.17]	1.224 [31.10]
3	13	M25X1-6H	1.260 - 1.234 [32.00 - 31.35]	1.453 [36.90]
4	15	M28X1-6H	1.417 - 1.392 [36.00 - 35.35]	1.638 [41.60]
6	17	M32X1-6H	1.457 - 1.424 [37.00 - 36.17]	1.681 [42.70]
8	19	M35X1-6H	1.614 - 1.581 [41.00 - 40.17]	1.862 [47.30]
9	21	M38X1-6H	1.811 - 1.781 [46.00 - 45.25]	2.091 [53.10]
10	23	M41X1-6H	1.969 - 1.939 [50.00 - 49.25]	2.272 [57.70]
11	25	M44X1-6H	1.969 - 1.939 [50.00 - 49.25]	2.272 [57.70]

Dimensions in brackets [] are in millimeters.

HEXAGONAL MOUNTING NUT

SCP3186

ORDERING INFORMATION

SC3186 A 113 B

SERIES PREFIX — **A** — **113** — **B**

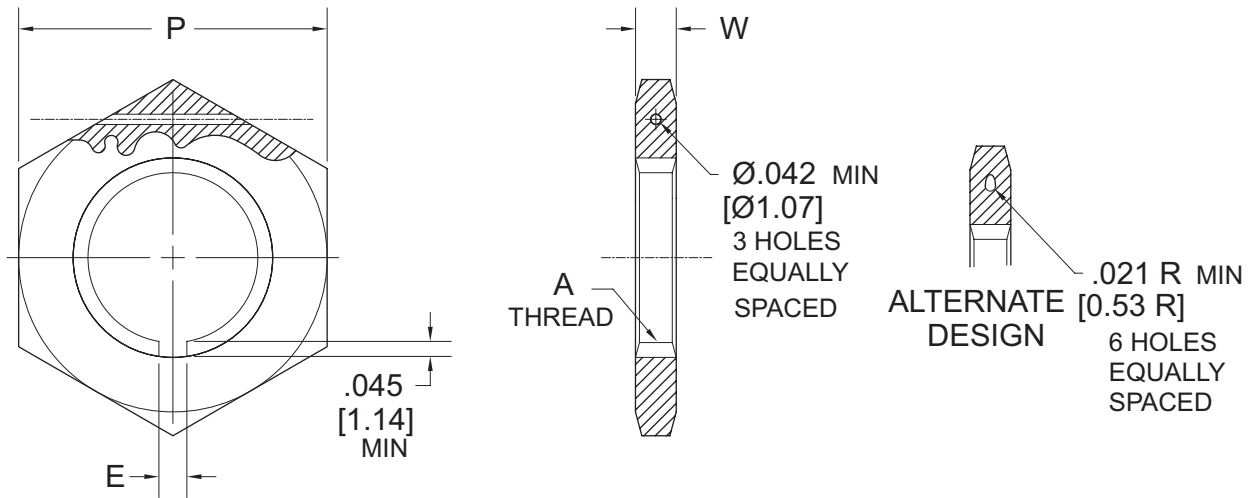
MATERIAL —

A Aluminum.
C Cres.
S Steel.

DASH NUMBER —
 See Dimension Table below.

FINISH

A Black anodize.
B Black cadmium over cres.
N Electroless nickel.
P Passivated.
W Olive drab over cadmium nickel.



Dimensions in brackets [] are in millimeters.
 For dimensional data see next page.

DASH NO.	USED ON CONNECTOR SPECIFICATION/SHELL SIZE			
	MIL-DTL-5015	MIL-DTL-26482	MIL-DTL-38999 SERIES I	MIL-DTL-38999 SERIES II
101	8S	—	—	—
102	—	8	—	—
103	10S, 10SL	—	—	—
106	—	10	9	—
107	12S, 12	—	—	—
108	—	—	11	—
109	14S, 14	12	—	8
111	16S, 16	14	13	10
113	18	16	15	12
116	20	18	17	14
117	22	20	19	16
120	24	22	21	18
121	—	24	23	20
122	28	—	25	22
123	—	—	—	24
125	32	—	—	—
127	36	—	—	—
128	40	—	—	—
129	44	—	—	—
130	48	—	—	—

Continued on Next Page

HEXAGONAL MOUNTING NUT

SCP3186

Continued from Previous Page

DASH NUMBER	A THREAD CLASS 2B	E		P ±.017 [±0.43]	W ±.017 [±0.43]
		MAX.	MIN. NO. OF SLOTS		
101	.500-28 UNEF	—	NONE	.687 [17.45]	.125 [3.17]
102	.5625-24 UNEF	.135 [3.43]	2	.750 [19.05]	.125 [3.17]
103	.625-24 UNEF	—	NONE	.812 [20.62]	.125 [3.17]
106	.6875-24 UNEF	.135 [3.43]	1	.875 [22.22]	.125 [3.17]
107	.750-20 UNEF	—	NONE	.937 [23.80]	.125 [3.17]
108	.8125-20 UNEF	.135 [3.43]	1	1.000 [25.40]	.125 [3.17]
109	.875-20 UNEF	.135 [3.43]	1	1.062 [26.97]	.125 [3.17]
111	1.000-20 UNEF	.135 [3.43]	1	1.188 [30.18]	.125 [3.17]
113	1.125-18 UNEF	.135 [3.43]	1	1.312 [33.32]	.125 [3.17]
116	1.250-18 UNEF	.135 [3.43]	1	1.438 [36.53]	.125 [3.17]
117	1.375-18 UNEF	.192 [4.88]	1	1.562 [39.67]	.125 [3.17]
120	1.500-18 UNEF	.192 [4.88]	1	1.688 [42.88]	.125 [3.17]
121	1.625-18 UNEF	.192 [4.88]	1	1.812 [46.02]	.125 [3.17]
122	1.750-18 UNS	.192 [4.88]	1	2.000 [50.80]	.125 [3.17]
123	1.875-16 UN	—	NONE	2.125 [53.97]	.125 [3.17]
125	2.000-18 UNS	—	NONE	2.250 [57.15]	.189 [4.80]
127	2.250-16 UN	—	NONE	2.500 [63.50]	.189 [4.80]
128	2.500-16 UN	—	NONE	2.750 [69.85]	.189 [4.80]
129	2.750-16 UN	—	NONE	3.000 [76.20]	.189 [4.80]
130	3.000-16 UN	—	NONE	3.250 [82.55]	.189 [4.80]

Dimensions in brackets [] are in millimeters.



SECTION 15D

MOUNTING PLATES

15D

FULL MOUNT, TYPE I HEAVY DUTY

B049AF94

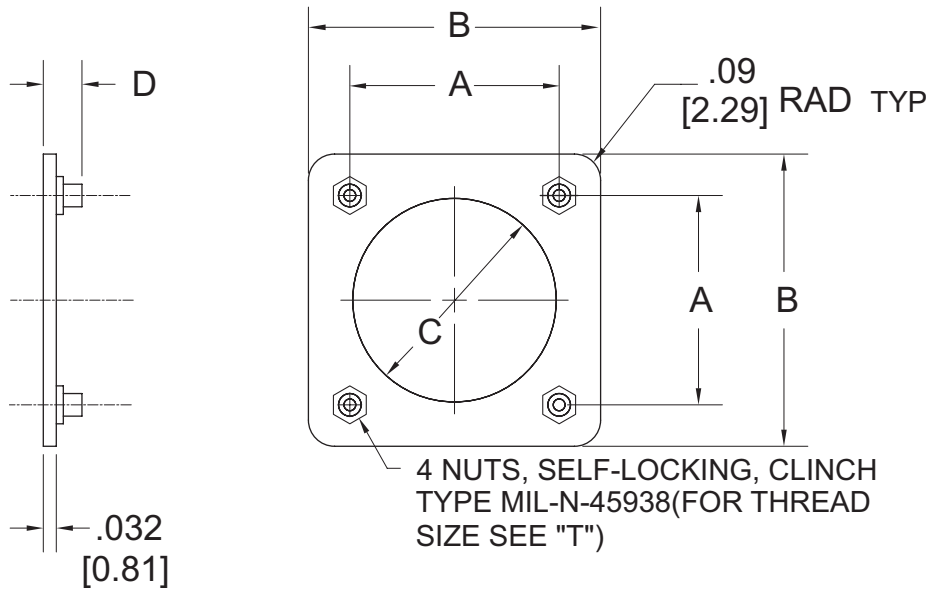
ORDERING INFORMATION

B049AF94 - 8 A

SERIES PREFIX — **B049AF94**

SHELL SIZE — **8**
See Table I below.

PRIMER COAT
BLANK Without primer coat.
A With primer coat.



B049AF94	SHELL SIZE	THRD T UNJC-3B	A +.003 [+0.08]	B +.015 [+0.38]	C +.015 -.000 [+0.38 -0.00]	D
8	8	4-40	0.594 [15.09]	0.880 [22.35]	0.570 [14.48]	0.106 - 0.166 [2.69 - 4.22]
10	10	4-40	0.719 [18.26]	1.005 [25.53]	0.700 [17.78]	0.106 - 0.166 [2.69 - 4.22]
12	12	4-40	0.812 [20.62]	1.098 [27.89]	0.820 [20.83]	0.106 - 0.166 [2.69 - 4.22]
14	14	4-40	0.906 [23.01]	1.192 [30.28]	0.945 [24.00]	0.106 - 0.166 [2.69 - 4.22]
16	16	4-40	0.969 [24.61]	1.255 [31.88]	1.070 [27.18]	0.106 - 0.166 [2.69 - 4.22]
18	18	4-40	1.062 [26.97]	1.348 [34.24]	1.196 [30.38]	0.106 - 0.166 [2.69 - 4.22]
20	20	4-40	1.156 [29.36]	1.500 [38.10]	1.320 [33.53]	0.106 - 0.166 [2.69 - 4.22]
22	22	4-40	1.250 [31.75]	1.625 [41.28]	1.440 [36.58]	0.106 - 0.166 [2.69 - 4.22]
24	24	6-32	1.375 [34.93]	1.750 [44.45]	1.570 [39.88]	0.123 - 0.183 [3.12 - 4.65]
25	25	6-32	1.500 [38.10]	1.891 [48.03]	1.658 [42.11]	0.123 - 0.183 [3.12 - 4.65]

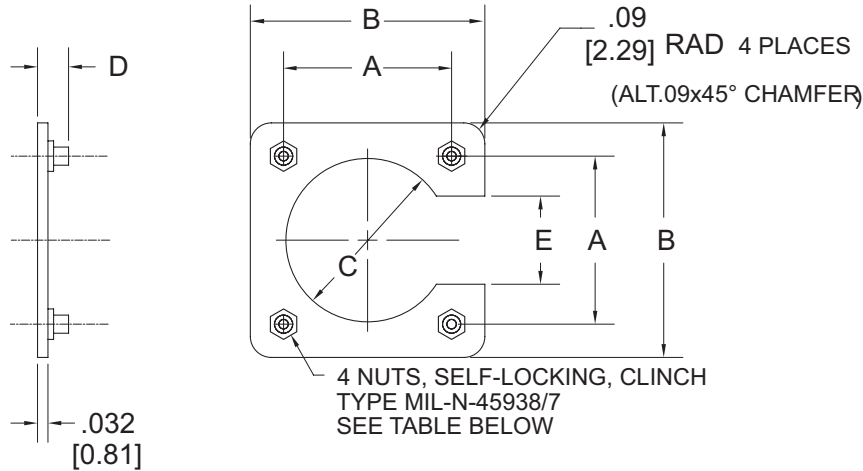
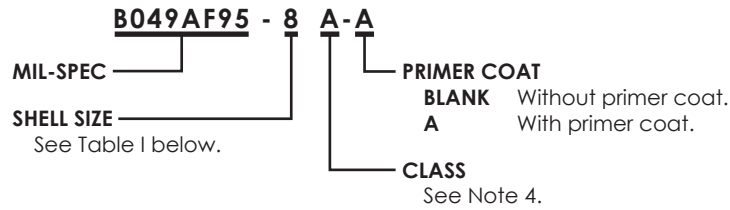
Dimensions in brackets [] are in millimeters.
Unless otherwise specified, tolerance is + .010.

MIL-SPEC	CONNECTOR PART NUMBER	B049AF94 - SHELL SIZES										
		8	10	12	14	16	18	19	20	22	24	25
MIL-DTL-5015	MS3100	8S	10S	12S	14S	16S	18	—	20	22	24	—
		—	—	12	14	16	—	—	—	—	—	—
	MS3102	8S	10S	12S	14S	16S	18	—	20	22	24	—
		—	—	12	14	16	—	—	—	—	—	—
	MS3400	8S	10S	12S	14S	16S	18	—	20	22	24	—
		—	—	12	14	16	—	—	—	—	—	—
	MS3402	8S	10S	12S	14S	16S	18	—	20	22	24	—
		—	—	12	14	16	—	—	—	—	—	—
	MS3450	8S	10S	12S	14S	16S	18	—	20	22	24	—
		—	—	12	14	16	—	—	—	—	—	—
	MS3452	8S	10S	12S	14S	16S	18	—	20	22	24	—
		—	—	12	14	16	—	—	—	—	—	—
MIL-DTL-22992	MS17343	—	—	12	14	16	18	—	20	22	—	—
MIL-DTL-26482	MS3110	8	10	12	14	16	18	—	20	22	24	—
	MS3112	8	10	12	14	16	18	—	20	22	24	—
	MS3120	8	10	12	14	16	18	—	20	22	24	—
	MS3122	8	10	12	14	16	18	—	20	22	24	—
	MS3470	8	10	12	14	16	18	—	20	22	24	—
	MS3472	8	10	12	14	16	18	—	20	22	24	—
MIL-DTL-38999	MS27469	—	9	11	13	15	17	—	19	21	23	25
	MS27472	8	10	12	14	16	18	—	20	22	24	—
	MS27475	8	10	12	14	16	18	—	20	22	24	—
	MS27476	8	10	12	14	16	18	—	20	22	24	—
	MS27496	—	9	11	13	15	17	—	19	21	23	25
	MS27497	8	10	12	14	16	18	—	20	22	24	—
	MS27499	8	10	12	14	16	18	—	20	22	24	—
	MS27505	—	9	11	13	15	17	—	19	21	23	25
	MS27508	8	10	12	14	16	18	—	20	22	24	—
	MS27513	8	10	12	14	16	18	—	20	22	24	—
	MS27515	—	9	11	13	15	17	—	19	21	23	25
	D38999/20	—	9	11	13	15	17	—	19	21	23	25
	D38999/40	—	—	11	13	15	17	—	19	21	23	25
	D38999/42	—	—	11	13	15	17	—	19	21	23	25
MIL-C-81511	M81511	8	10	—	14	16	18	—	—	—	—	—
AS81703	MS3130	—	—	12	—	—	—	19	—	—	—	—
MIL-DTL-83723	M83723/1	8	10	12	14	16	18	—	20	22	24	—
	M83723/2	8	10	12	14	16	18	—	20	22	24	—
	M83723/3	—	—	10	—	—	—	—	—	—	22	24
	M83723/4	—	—	10	—	—	—	—	—	—	22	24

3/4 MOUNT, TYPE II (MEDIUM DUTY)

B049AF95

ORDERING INFORMATION



Notes:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is + .010.
4. Classes represent shell size variances (see Table below).

MIL-SPEC	CONNECTOR PART NUMBER	B049AF95 - SHELL SIZES																		
		3	7	8	10	12	14	16	18	19	20	22	24	25	27	28	32	36	37	61
MIL-DTL-5015	MS3100	-	-	8S	10S	12S	14S	16S	18	-	20	22	24	-	-	28	32	36	-	-
		-	-	-	-	12	14	16	-	-	-	-	-	-	-	-	-	-	-	
	MS3102	-	-	8S	10S	12S	14S	16S	18	-	20	22	24	-	-	28	32	36	-	-
		-	-	-	-	12	14	16	-	-	-	-	-	-	-	-	-	-	-	
	MS3400	-	-	8S	10S	12S	14S	16S	18	-	20	22	24	-	-	28	32	36	-	-
		-	-	-	-	12	14	16	-	-	-	-	-	-	-	-	-	-	-	
MS3402	-	-	8S	10S	12S	14S	16S	18	-	20	22	24	-	-	28	32	36	-	-	
	-	-	-	-	12	14	16	-	-	-	-	-	-	-	-	-	-	-		
MS3450	-	-	8S	10S	12S	14S	16S	18	-	20	22	24	-	-	28	32	36	-	-	
	-	-	-	-	12	14	16	-	-	-	-	-	-	-	-	-	-	-		
MS3452	-	-	8S	10S	12S	14S	16S	18	-	20	22	24	-	-	28	32	36	-	-	
	-	-	-	-	12	14	16	-	-	-	-	-	-	-	-	-	-	-		
MIL-DTL-22992	MS17343	-	-	-	-	12	14	16	18	-	20	22	-	-	-	-	-	-	-	
MIL-DTL-26482	MS3110	-	-	8	10	12	14	16	18	-	20	22	24	-	-	-	-	-	-	-
	MS3112	-	-	8	10	12	14	16	18	-	20	22	24	-	-	-	-	-	-	-
	MS3120	-	-	8	10	12	14	16	18	-	20	22	24	-	-	-	-	-	-	-
	MS3122	-	-	8	10	12	14	16	18	-	20	22	24	-	-	-	-	-	-	-
	MS3470	-	-	8	10	12	14	16	18	-	20	22	24	-	-	-	-	-	-	-
	MS3472	-	-	8	10	12	14	16	18	-	20	22	24	-	-	-	-	-	-	-
MIL-DTL-38999	MS27469	-	-	-	9	11	13	15	17	-	19	21	23	25	-	-	-	-	-	-
	MS27472	-	-	8	10	12	14	16	18	-	20	22	24	-	-	-	-	-	-	-
	MS27475	-	-	8	10	12	14	16	18	-	20	22	24	-	-	-	-	-	-	-
	MS27476	-	-	8	10	12	14	16	18	-	20	22	24	-	-	-	-	-	-	-
	MS27496	-	-	-	9	11	13	15	17	-	19	21	23	25	-	-	-	-	-	-
	MS27497	-	-	8	10	12	14	16	18	-	20	22	24	-	-	-	-	-	-	-
	MS27499	-	-	8	10	12	14	16	18	-	20	22	24	-	-	-	-	-	-	-
	MS27505	-	-	-	9	11	13	15	17	-	19	21	23	25	-	-	-	-	-	-
	MS27508	-	-	8	10	12	14	16	18	-	20	22	24	-	-	-	-	-	-	-
	MS27513	-	-	8	10	12	14	16	18	-	20	22	24	-	-	-	-	-	-	-
	MS27515	-	-	-	9	11	13	15	17	-	19	21	23	25	-	-	-	-	-	-
	D38999/20	-	-	-	-	9	11	13	15	17	-	19	21	23	25	-	-	-	-	-
	D38999/40	-	-	-	-	11	13	15	17	-	19	21	23	25	-	-	-	-	-	-
	D38999/42	-	-	-	-	11	13	15	17	-	19	21	23	25	-	-	-	-	-	-
MIL-C-81511	M81511	-	-	8	10	-	14	16	18	-	-	-	-	-	-	-	-	-	-	
AS81703	MS3130	3	7	-	-	12	-	-	-	19	-	-	-	-	27	-	-	-	37	61
MIL-DTL-83723	M83723/1	-	-	8	10	12	14	16	18	-	20	22	24	-	-	28	32	36	-	-
	M83723/2	-	-	8	10	12	14	16	18	-	20	22	24	-	-	28	32	36	-	-
	M83723/3	-	-	-	-	10	-	-	-	-	-	-	22	24	-	-	-	-	-	
	M83723/4	-	-	-	-	10	-	-	-	-	-	-	22	24	-	-	-	-	-	



PART NUMBER	CLASS	SHELL SIZE	T THRD UNC-3B	A +.003 [+0.08]	B +.015 [+0.38]	C +.015 -.000 [+0.38 -0.00]	D	E +.020 -.030 [+0.51 -0.76]
3	A	3	4-40	0.625 [15.88]	0.925 [23.50]	0.641 [16.28]	0.106/0.166 [2.69/4.22]	0.325 [8.26]
7	A	7	4-40	0.719 [18.26]	1.019 [25.88]	0.688 [17.48]	0.106/0.166 [2.69/4.22]	0.433 [11.00]
8	A	8	4-40	0.594 [15.09]	0.880 [22.35]	0.570 [14.48]	0.106/0.166 [2.69/4.22]	0.308 [7.82]
10	A	10	4-40	0.719 [18.26]	1.019 [25.88]	0.720 [18.29]	0.106/0.166 [2.69/4.22]	0.433 [11.00]
	B		6-32	0.812 [20.62]	1.187 [30.15]	0.749 [19.02]	0.123/0.183 [3.12/4.65]	0.433 [11.00]
12	A	12	4-40	0.812 [20.62]	1.104 [28.04]	0.855 [21.72]	0.106/0.166 [2.69/4.22]	0.530 [13.46]
	B		6-32	0.938 [23.83]	1.312 [33.32]	0.938 [23.83]	0.123/0.183 [3.12/4.65]	0.526 [13.36]
14	A	14	4-40	0.906 [23.01]	1.198 [30.43]	0.984 [24.99]	0.106/0.166 [2.69/4.22]	0.624 [15.85]
	B		6-32	1.031 [26.19]	1.406 [35.71]	1.031 [26.19]	0.123/0.183 [3.12/4.65]	0.620 [15.75]
16	A	16	4-40	0.969 [24.61]	1.280 [32.51]	1.094 [27.79]	0.106/0.166 [2.69/4.22]	0.687 [17.45]
	B		6-32	1.125 [28.58]	1.500 [38.10]	1.125 [28.58]	0.123/0.183 [3.12/4.65]	0.683 [17.35]
18	A	18	4-40	1.062 [26.97]	1.406 [35.71]	1.220 [30.99]	0.106/0.166 [2.69/4.22]	0.780 [19.81]
	B		6-32	1.203 [30.56]	1.578 [40.08]	1.234 [31.34]	0.123/0.183 [3.12/4.65]	0.776 [19.71]
19	A	19	4-40	0.906 [23.01]	1.192 [30.28]	0.953 [24.21]	0.106/0.166 [2.69/4.22]	0.620 [15.75]
20	A	20	4-40	1.156 [29.36]	1.535 [38.99]	1.345 [34.16]	0.106/0.166 [2.69/4.22]	0.874 [22.20]
	B		6-32	1.297 [32.94]	1.688 [42.88]	1.359 [34.52]	0.123/0.183 [3.12/4.65]	0.865 [21.97]
22	A	22	4-40	1.250 [31.75]	1.665 [42.29]	1.478 [37.54]	0.106/0.166 [2.69/4.22]	0.968 [24.59]
	B		6-32	1.375 [34.93]	1.738 [44.15]	1.483 [37.67]	0.123/0.183 [3.12/4.65]	0.907 [23.04]
24	A	24	6-32	1.500 [38.10]	1.891 [48.03]	1.560 [39.62]	0.123/0.183 [3.12/4.65]	1.000 [25.40]
	B		6-32	1.375 [34.93]	1.785 [45.34]	1.595 [40.51]	0.123/0.183 [3.12/4.65]	1.031 [26.19]
25	A	25	6-32	1.500 [38.10]	1.891 [48.03]	1.658 [42.11]	0.123/0.183 [3.12/4.65]	1.125 [28.58]
27	A	27	4-40	0.969 [24.61]	1.255 [31.88]	1.094 [27.79]	0.106/0.166 [2.69/4.22]	0.683 [17.35]
28	A	28	6-32	1.562 [39.67]	2.000 [50.80]	1.820 [46.23]	0.123/0.183 [3.12/4.65]	1.125 [28.58]
32	A	32	6-32	1.750 [44.45]	2.312 [58.72]	2.062 [52.37]	0.123/0.183 [3.12/4.65]	1.188 [30.18]
36	A	36	6-32	1.938 [49.23]	2.500 [63.50]	2.312 [58.72]	0.123/0.183 [3.12/4.65]	1.375 [34.93]
37	A	37	4-40	1.187 [30.15]	1.500 [38.10]	1.281 [32.54]	0.106/0.166 [2.69/4.22]	0.874 [22.20]
61	A	61	4-40	1.437 [36.50]	1.812 [46.02]	1.594 [40.49]	0.106/0.166 [2.69/4.22]	1.602 [40.69]

15D

1/4 MOUNT, TYPE II (LIGHT DUTY)

B049AF9

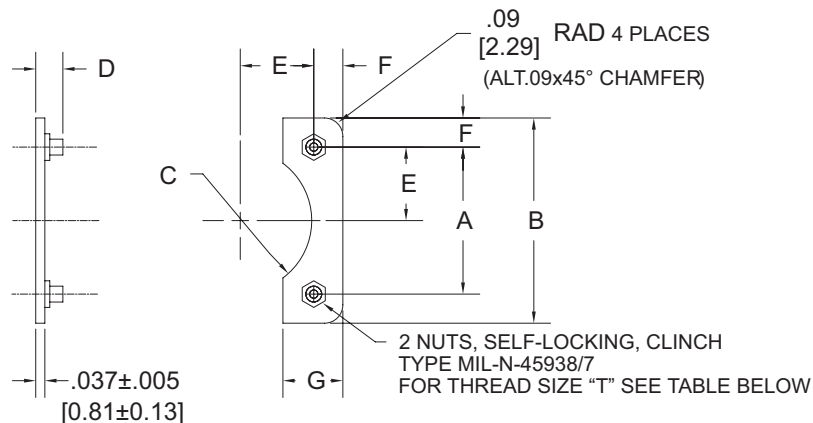
ORDERING INFORMATION

B049AF96 - 3

SERIES PREFIX

SHELL SIZE

See Table I below.



Notes:

1. Dimensions are inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is + .010.
4. Shell size variances (see Table below).

PART NUMBER	SHELL SIZE	T THRD UNC-3B	A +.003 [+0.08]	B +.015 [+0.38]	C +.015 -.000 [+0.38 -0.00]	D	E ±.001 [±0.03]	F +.005 -.000 [+0.13 -0.00]	G +.010 -.000 [+0.25 -0.00]
7	7	4-40	0.719 [18.26]	1.016 [25.81]	0.359 [9.12]	0.106/0.166 [2.69/4.22]	0.359 [9.12]	0.149 [3.78]	0.298 [7.57]
8	8	4-40	0.594 [15.09]	0.891 [22.63]	0.277 [7.04]	0.106/0.166 [2.69/4.22]	0.297 [7.54]	0.148 [3.76]	0.296 [7.52]
10	10	4-40	0.719 [18.26]	1.016 [25.81]	0.359 [9.12]	0.106/0.166 [2.69/4.22]	0.359 [9.12]	0.149 [3.78]	0.298 [7.57]
12	12	4-40	0.812 [20.62]	1.109 [28.17]	0.425 [10.80]	0.106/0.166 [2.69/4.22]	0.406 [10.31]	0.148 [3.76]	0.296 [7.52]
14	14	4-40	0.906 [23.01]	1.203 [30.56]	0.492 [12.50]	0.106/0.166 [2.69/4.22]	0.453 [11.51]	0.148 [3.76]	0.296 [7.52]
16	16	4-40	0.969 [24.61]	1.266 [32.16]	0.547 [13.89]	0.106/0.166 [2.69/4.22]	0.484 [12.29]	0.149 [3.78]	0.298 [7.57]
18	18	4-40	1.062 [26.97]	1.390 [35.31]	0.610 [15.49]	0.106/0.166 [2.69/4.22]	0.531 [13.49]	0.164 [4.17]	0.328 [8.33]
19	19	4-40	0.906 [23.01]	1.203 [30.56]	0.492 [12.50]	0.106/0.166 [2.69/4.22]	0.453 [11.51]	0.148 [3.76]	0.296 [7.52]
20	20	4-40	1.156 [29.36]	1.510 [38.35]	0.672 [17.07]	0.106/0.166 [2.69/4.22]	0.578 [14.68]	0.177 [4.50]	0.354 [8.99]
22	22	4-40	1.250 [31.75]	1.640 [41.66]	0.739 [18.77]	0.106/0.166 [2.69/4.22]	0.625 [15.88]	0.195 [4.95]	0.390 [9.91]
24	24	6-32	1.375 [34.93]	1.760 [44.70]	0.797 [20.24]	0.123/0.183 [3.12/4.65]	0.687 [17.45]	0.193 [4.90]	0.386 [9.80]
25	25	6-32	1.500 [38.10]	1.859 [47.22]	0.845 [21.46]	0.123/0.183 [3.12/4.65]	0.750 [19.05]	0.179 [4.55]	0.358 [9.09]
27	27	4-40	0.969 [24.61]	1.266 [32.16]	0.547 [13.89]	0.106/0.166 [2.69/4.22]	0.484 [12.29]	0.149 [3.78]	0.298 [7.57]
28	28	6-32	1.562 [39.67]	2.000 [50.80]	0.920 [23.37]	0.123/0.183 [3.12/4.65]	0.781 [19.84]	0.219 [5.56]	0.438 [11.13]
32	32	6-32	1.750 [44.45]	2.312 [58.72]	1.058 [26.87]	0.123/0.183 [3.12/4.65]	0.875 [22.23]	0.281 [7.14]	0.562 [14.27]
36	36	6-32	1.938 [49.23]	2.500 [63.50]	1.170 [29.72]	0.123/0.183 [3.12/4.65]	0.969 [24.61]	0.281 [7.14]	0.562 [14.27]
37	37	4-40	1.187 [30.15]	1.500 [38.10]	0.670 [17.02]	0.106/0.166 [2.69/4.22]	0.593 [15.06]	0.157 [3.99]	0.314 [7.98]
61	61	4-40	1.437 [36.50]	1.812 [46.02]	0.812 [20.62]	0.106/0.166 [2.69/4.22]	0.718 [18.24]	0.188 [4.78]	0.376 [9.55]

Dimensions in brackets [] are in millimeters.

(LIGHT DUTY) 1/4 MOUNT, TYPE III

B049AF96

MIL-SPEC	CONNECTOR PART NUMBER	B049AF96 - SHELL SIZES																		
		7	8	10	12	14	16	18	19	20	22	24	25	27	28	32	36	37	61	
MIL-DTL-5015	MS3100	—	8S	10S	12S	14S	16S	18	—	20	22	24	—	—	28	32	36	—	—	
		—	—	—	12	14	16	—	—	—	—	—	—	—	—	—	—	—		
	MS3102	—	8S	10S	12S	14S	16S	18	—	20	22	24	—	—	28	32	36	—	—	
		—	—	—	12	14	16	—	—	—	—	—	—	—	—	—	—	—		
	MS3400	—	8S	10S	12S	14S	16S	18	—	20	22	24	—	—	28	32	36	—	—	
		—	—	—	12	14	16	—	—	—	—	—	—	—	—	—	—	—	—	
	MS3402	—	8S	10S	12S	14S	16S	18	—	20	22	24	—	—	28	32	36	—	—	
		—	—	—	12	14	16	—	—	—	—	—	—	—	—	—	—	—	—	
	MS3450	—	8S	10S	12S	14S	16S	18	—	20	22	24	—	—	28	32	36	—	—	
		—	—	—	12	14	16	—	—	—	—	—	—	—	—	—	—	—	—	
	MS3452	—	8S	10S	12S	14S	16S	18	—	20	22	24	—	—	28	32	36	—	—	
		—	—	—	12	14	16	—	—	—	—	—	—	—	—	—	—	—	—	
MIL-DTL-22992	MS17343	—	—	—	12	14	16	18	—	20	22	—	—	—	—	—	—	—	—	
MIL-DTL-26482	MS3110	—	8	10	12	14	16	18	—	20	22	24	—	—	—	—	—	—	—	
	MS3112	—	8	10	12	14	16	18	—	20	22	24	—	—	—	—	—	—	—	
	MS3120	—	8	10	12	14	16	18	—	20	22	24	—	—	—	—	—	—	—	
	MS3122	—	8	10	12	14	16	18	—	20	22	24	—	—	—	—	—	—	—	
	MS3470	—	8	10	12	14	16	18	—	20	22	24	—	—	—	—	—	—	—	
	MS3472	—	8	10	12	14	16	18	—	20	22	24	—	—	—	—	—	—	—	
MIL-DTL-38999	MS27469	—	—	9	11	13	15	17	—	19	21	23	25	—	—	—	—	—	—	
	MS27472	—	8	10	12	14	16	18	—	20	22	24	—	—	—	—	—	—	—	
	MS27475	—	8	10	12	14	16	18	—	20	22	24	—	—	—	—	—	—	—	
	MS27476	—	8	10	12	14	16	18	—	20	22	24	—	—	—	—	—	—	—	
	MS27496	—	—	9	11	13	15	17	—	19	21	23	25	—	—	—	—	—	—	
	MS27497	—	8	10	12	14	16	18	—	20	22	24	—	—	—	—	—	—	—	
	MS27499	—	8	10	12	14	16	18	—	20	22	24	—	—	—	—	—	—	—	
	MS27505	—	—	9	11	13	15	17	—	19	21	23	25	—	—	—	—	—	—	
	MS27508	—	8	10	12	14	16	18	—	20	22	24	—	—	—	—	—	—	—	
	MS27513	—	8	10	12	14	16	18	—	20	22	24	—	—	—	—	—	—	—	
	MS27515	—	—	9	11	13	15	17	—	19	21	23	25	—	—	—	—	—	—	
	D38999/20	—	—	9	11	13	15	17	—	19	21	23	25	—	—	—	—	—	—	
	D38999/40	—	—	—	11	13	15	17	—	19	21	23	25	—	—	—	—	—	—	
D38999/42	—	—	—	11	13	15	17	—	19	21	23	25	—	—	—	—	—	—		
MIL-C-81511	M81511	—	8	10	—	14	16	18	—	—	—	—	—	—	—	—	—	—		
AS81703	MS3130	7	—	—	12	—	—	—	19	—	—	—	—	27	—	—	—	37	61	
MIL-DTL-83723	M83723/1	—	8	10	12	14	16	18	—	20	22	24	—	—	28	32	36	—	—	
	M83723/2	—	8	10	12	14	16	18	—	20	22	24	—	—	28	32	36	—	—	
	M83723/3	—	—	—	10	—	—	—	—	—	—	22	24	—	—	—	—	—	—	
	M83723/4	—	—	—	10	—	—	—	—	—	—	22	24	—	—	—	—	—	—	

15D

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SECTION 16D

RUBBER BUSHINGS

16D

RUBBER BUSHING

MS3420

ORDERING INFORMATION

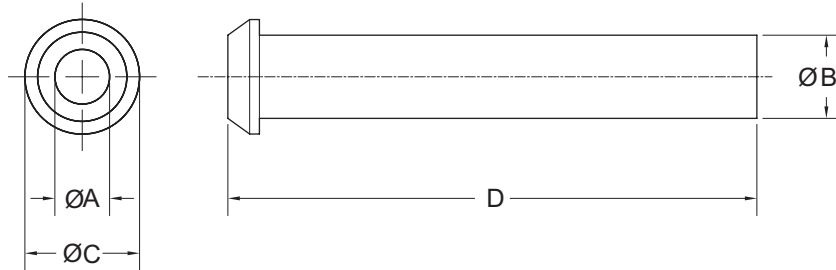
MS3420 - 16

MIL-SPEC

Standard material &
color is black neoprene

DASH NUMBER

See Dimension Table below.

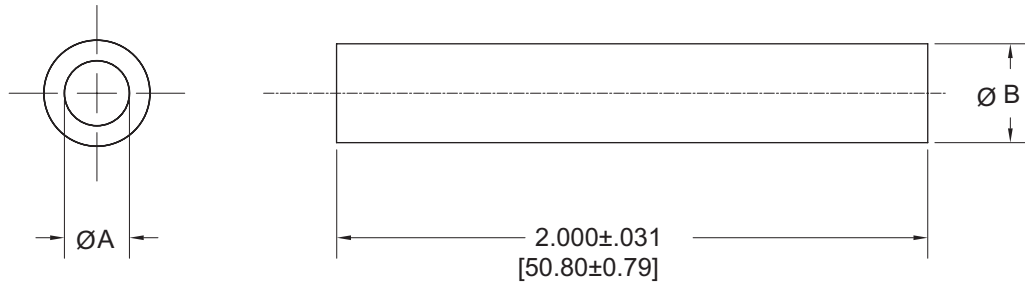
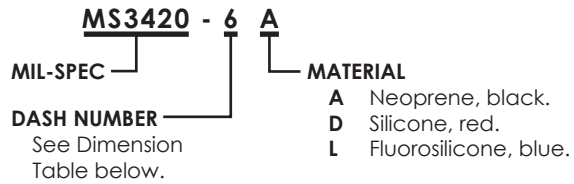


DASH NO.	ØA	ØB	ØC	D	MS3420-* SUPERSEDES	
					AN3420	MS39056
-3	.130 [3.30]	.210 [5.33]	.379 [9.63]	2.875 [73.02]	-3	-1
-4	.220 [5.59]	.302 [7.67]	.505 [12.83]	2.750 [69.85]	-4	-2
-6	.312 [7.92]	.427 [10.85]	.619 [15.72]	2.625 [66.67]	-6	-3
-8	.437 [11.10]	.552 [14.02]	.744 [18.90]	2.500 [63.50]	-8	-4
-10	.562 [14.27]	.615 [15.62]	.869 [22.07]	2.375 [60.32]	-10	-5
-12	.625 [15.87]	.740 [18.80]	1.084 [27.53]	2.250 [57.15]	-12	-6
-16	.750 [19.05]	.927 [23.55]	1.314 [33.38]	2.125 [53.97]	-16	-7
-20	.937 [23.80]	1.240 [31.50]	1.596 [40.54]	2.000 [50.80]	-20	-8
-24	1.250 [31.75]	1.365 [34.67]	1.847 [46.91]	1.875 [47.62]	-24	-9
-28	1.375 [34.92]	1.614 [41.00]	2.085 [52.96]	1.750 [44.45]	-28	-10
-32	1.624 [41.25]	1.864 [47.35]	2.335 [59.31]	1.625 [41.27]	-32	-11
-40	1.874 [47.60]	2.364 [60.05]	2.835 [72.01]	1.500 [38.10]	-40	-12

Dimensions in brackets [] are in millimeters.



ORDERING INFORMATION



DASH NO.	$\varnothing A$	$\varnothing B$	MS3420-*A SUPERSEDES	
			AN3420	MS39057
-3	.125 [3.17]	.210 [5.33]	-3A	-1
-4	.219 [5.56]	.302 [7.67]	-4A	-2
-6	.312 [7.92]	.427 [10.85]	-6A	-3
-8	.438 [11.13]	.531 [13.49]	-8A	-4
-10	.438 [11.13]	.615 [15.62]	-10A	-5
-12	.541 [13.74]	.740 [18.80]	-12A	-6
-16	.750 [19.05]	.927 [23.55]	-16A	-7
-18	.938 [23.83]	1.115 [28.32]	-18A	-8
-20	.938 [23.83]	1.240 [31.50]	-20A	-9
-24	1.125 [28.57]	1.365 [34.67]	-24A	-10
-28	1.250 [31.75]	1.614 [41.00]	-28A	-11
-32	1.625 [41.27]	1.865 [47.37]	-32A	-12
-40	1.875 [47.62]	2.365 [60.07]	-40A	-13

Dimensions in brackets [] are in millimeters.

RUBBER BUSHING

MS23747

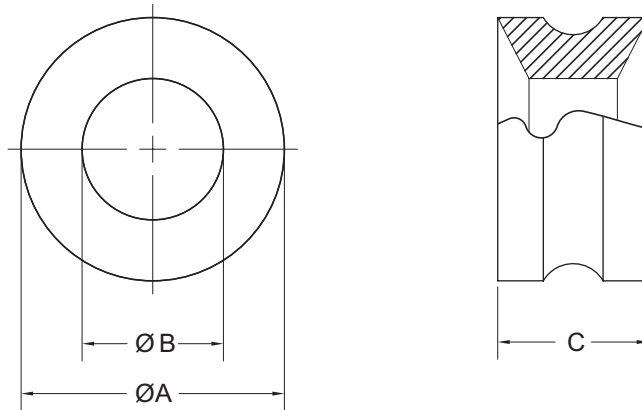
For MIL-DTL-22992 Class L

ORDERING INFORMATION

MS23747 - 1

MIL-SPEC — Material is silicone.

DASH NUMBER — See Dimension Table below.



DASH NO.	MIL-DTL-22992 ARRANGEMENT NUMBER	ØA +.000 -.020 [+0.00 -0.51]	ØB +.020 -.000 [+0.51 0.001]	C	MIN. CABLE DIA. REF.
-1	28-03, -05, -06 32-02, -04	1.805 [45.85]	.969 [24.61]	1.034 [26.26]	.844 [21.44]
-2	28-13 32-03, -05, -12	1.805 [45.85]	1.130 [28.70]	1.034 [26.26]	1.005 [25.53]
-3	32-07	1.805 [45.85]	1.260 [32.00]	1.034 [26.26]	1.135 [28.83]
-4	28-02, -04	1.805 [45.85]	.844 [21.44]	1.034 [26.26]	.719 [18.26]
-5	44-02, -04	2.242 [56.95]	1.312 [33.32]	1.160 [29.46]	1.187 [30.15]
-6	44-06	2.242 [56.95]	1.375 [34.92]	1.160 [29.46]	1.250 [31.75]
-7	52-02	2.927 [74.35]	1.703 [43.26]	1.284 [32.61]	1.558 [39.57]
-8	52-06	2.927 [74.35]	1.797 [45.64]	1.284 [32.61]	1.652 [41.96]
-9	CANCELLED - USE MS23747-18				
-10	CANCELLED - NO SUPERSEDING NUMBERS				
-11	CANCELLED - NO SUPERSEDING NUMBERS				
-12	28-07, -12 32-06	1.805 [45.85]	1.047 [26.59]	1.034 [26.26]	.922 [23.42]
-13	32-13	1.805 [45.85]	1.342 [34.09]	1.034 [26.26]	1.217 [30.91]
-14	44-03, -06	2.242 [56.95]	1.438 [36.53]	1.160 [29.46]	1.313 [33.35]
-15	44-12	2.242 [56.95]	1.516 [38.51]	1.160 [29.46]	1.391 [35.33]
-16	44-13	2.242 [56.95]	1.672 [42.47]	1.160 [29.46]	1.547 [39.29]
-17	48-13	2.680 [68.07]	2.000 [50.80]	1.222 [31.04]	1.855 [47.12]
-18	52-12	2.927 [74.35]	2.328 [59.13]	1.284 [32.61]	2.183 [55.45]
-19	52-13	2.927 [74.35]	2.453 [62.31]	1.284 [32.61]	2.308 [58.62]
-20	44-51	2.242 [56.95]	1.734 [44.04]	1.160 [29.46]	1.609 [40.87]
-21	44-52	2.242 [56.95]	1.562 [39.67]	1.160 [29.46]	1.437 [36.50]
-22	44-56	2.242 [56.95]	1.150 [29.21]	1.160 [29.46]	1.025 [26.03]

Dimensions in brackets [] are in millimeters.

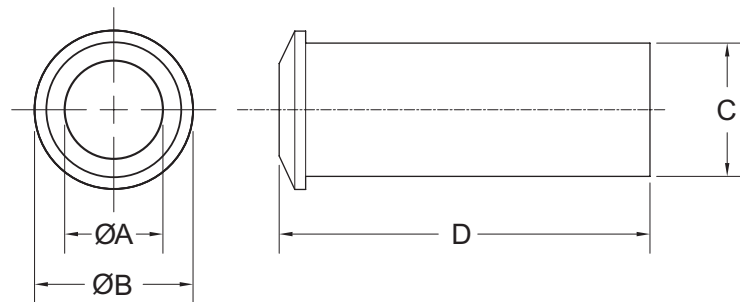
ORDERING INFORMATION

SC229468 N 16

SERIES PREFIX — **DASH NUMBER**
See Table below.

MATERIAL

- D** Silicone, red.
- G** Neoprene, green.
- L** Fluorosilicone, blue.
- N** Neoprene, black.
- V** Fluorocarbon rubber.



DASH NUMBER	ØA	ØB	ØC	D
-3	.130 [3.30]	.210 [5.33]	.379 [9.63]	2.875 [73.02]
-4	.220 [5.59]	.302 [7.67]	.505 [12.83]	2.750 [69.85]
-6	.312 [7.92]	.427 [10.85]	.619 [15.72]	2.625 [66.67]
-8	.437 [11.10]	.552 [14.02]	.744 [18.90]	2.500 [63.50]
-10	.562 [14.27]	.615 [15.62]	.869 [22.07]	2.375 [60.32]
-12	.625 [15.87]	.740 [18.80]	1.064 [27.03]	2.250 [57.15]
-16	.750 [19.05]	.927 [23.55]	1.314 [33.38]	2.125 [53.97]
-20	.937 [23.80]	1.240 [31.50]	1.596 [40.54]	2.000 [50.80]
-24	1.250 [31.75]	1.365 [34.67]	1.847 [46.91]	1.875 [47.62]
-28	1.375 [34.92]	1.614 [41.00]	2.085 [52.96]	1.750 [44.45]
-32	1.624 [41.25]	1.864 [47.35]	2.335 [59.31]	1.625 [41.27]
-40	1.634 [41.50]	1.874 [47.60]	2.835 [72.01]	1.500 [38.10]

Dimensions in brackets [] are in millimeters.

RUBBER BUSHING

SC229469

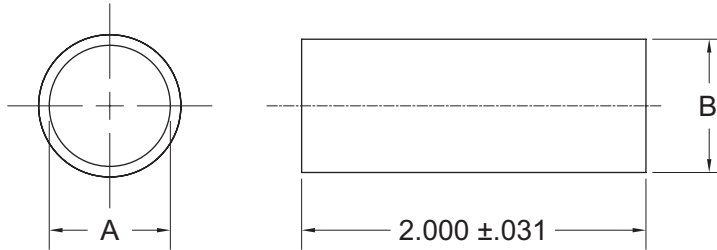
ORDERING INFORMATION

SC229469 **N** **16**

SERIES PREFIX — **DASH NUMBER**
See Table below.

MATERIAL —

F Fluorosilicone, blue.
N Neoprene, black.
S Silicone, red.



DASH NUMBER	ØA	ØB
-3	.125 [3.17]	.210 [5.33]
-4	.219 [5.56]	.302 [7.67]
-6	.312 [7.92]	.427 [10.85]
-8	.438 [11.13]	.531 [13.49]
-10	.438 [11.13]	.615 [15.62]
-12	.541 [13.74]	.740 [18.80]
-16	.750 [19.05]	.927 [23.55]
-18	.938 [23.83]	1.115 [28.32]
-20	.938 [23.83]	1.240 [31.50]
-24	1.125 [28.57]	1.365 [34.67]
-28	1.250 [31.75]	1.614 [41.00]
-32	1.625 [41.27]	1.865 [47.37]
-40	1.875 [47.62]	2.365 [60.07]

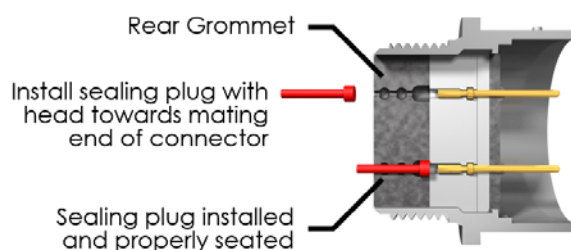
Dimensions in brackets [] are in millimeters.



SECTION 17D

SEALING PLUGS

RECOMMENDED INSTALLATION FOR SINGLE-HEAD SEALING PLUGS



When installing sealing plugs, the head of the sealing plug shall be inserted first as shown in the illustration above. The sealing plug shall then be pushed into the grommet until the head is positioned against the end of the unwired contact or empty grommet cavity. After placement, the portion of the sealing plug that protrudes beyond the grommet can be cut off to 0.100 inch from the grommet face.

The use of tools for sizes 12 and smaller will aid in the installation by supporting the sealing plug during head-first insertion. The tool rides against the shoulder on the back of the sealing plug head during installation rather than pushing on the tail end of the unsupported stem. Tools are not recommended for installation of sealing plugs size 8 or larger. The table below shows the contact installation tools which may be used for sealing plug installation.

SEALING PLUG	INSTALLATION TOOL
MS27488-12-2 or -3	M81969/14-04
MS27488-16-2 or -3	M81969/14-03
MS27488-20-2	M81969/14-11
MS27488-22-2	M81969/14-01

The tools shown in the table above will not remove installed sealing plugs. The plugs are removed by grasping the tail end of the sealing plug that is left protruding outside the grommet and pulling the plug from the grommet.

SEALING PLUG

M85049/80

For use in MIL-DTL-38999, Series I, III, or IV Connectors in Size 16 contact cavities.

Dummy contacts are to be used in lieu of contacts and sealing plugs in unwired contact cavities for both pin and socket inserts.

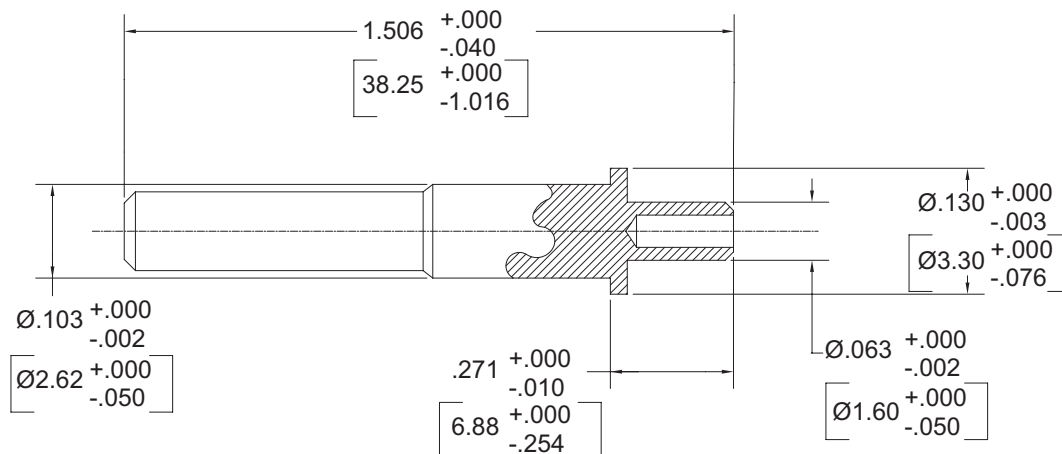
ORDERING INFORMATION

M85049/80 - 16

MIL-SPEC

SIZE

Material: Plastic Rod
Color: Yellow



For use in MIL-DTL-38999, Series I, III, or IV Connectors in Size 12 contact cavities.

Dummy contacts are to be used in lieu of contacts and sealing plugs in unwired contact cavities for both pin and socket inserts.

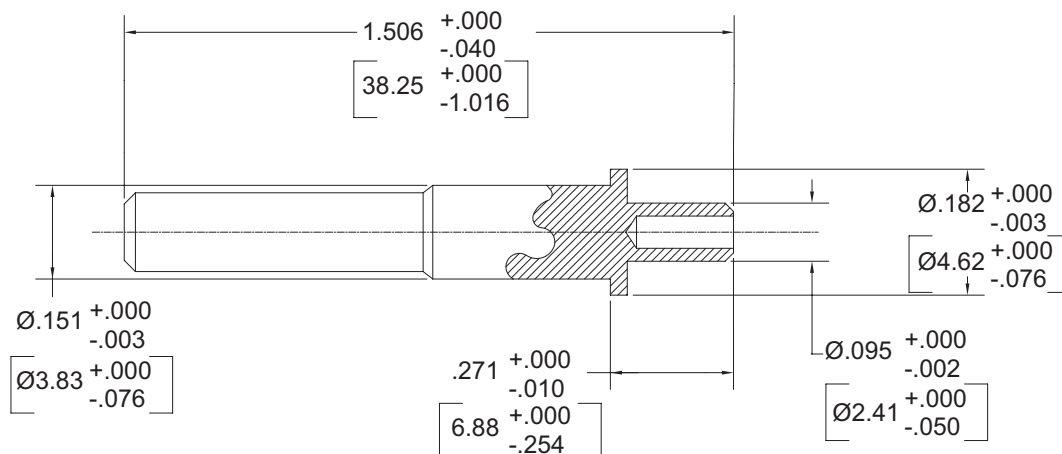
ORDERING INFORMATION

M85049/80 - 12

MIL-SPEC

SIZE

Material: Plastic Rod
Color: Yellow



For use in MIL-DTL-38999, Series I, III, or IV Connectors in Size 8 contact cavities.

Dummy contacts are to be used in lieu of contacts and sealing plugs in unwired contact cavities for both pin and socket inserts.

ORDERING INFORMATION

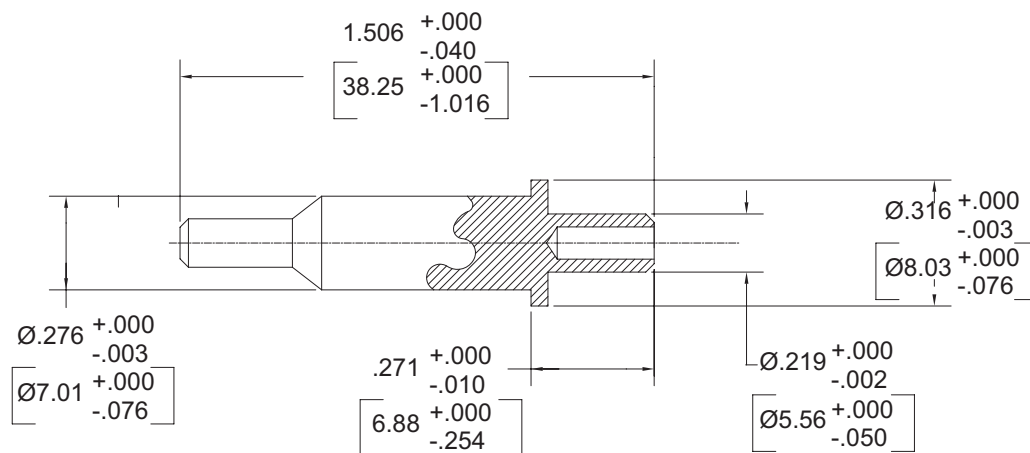
M85049/80 - 8

MIL-SPEC

SIZE

Material: Plastic Rod

Color: Red



Dimensions in brackets [] are in millimeters.

For Use In MIL-DTL-38999, Series I, III, or IV Connectors in Size 12 contact cavities.

Dummy contacts are to be used in lieu of contacts and sealing plugs in unwired contact cavities for both pin and socket inserts.

ORDERING INFORMATION

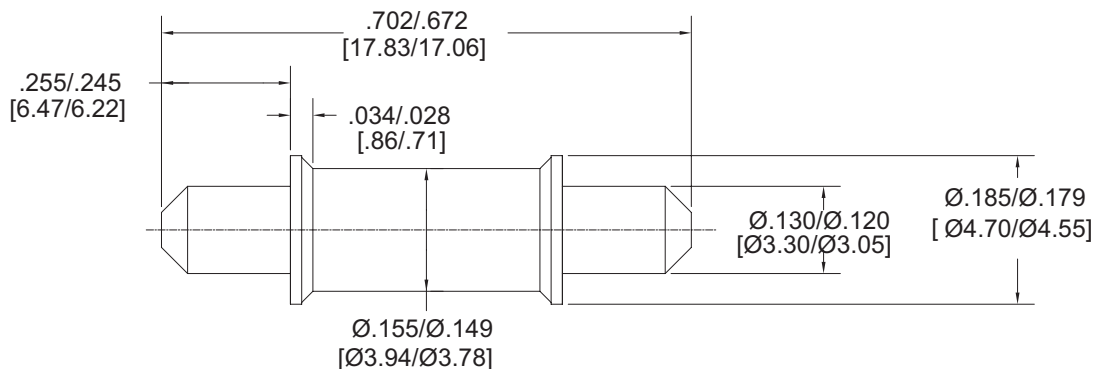
M85049/81 - 10

MIL-SPEC

SIZE

Material: Plastic Rod

Color: Green



Dimensions in brackets [] are in millimeters.

SEALING PLUG

MS3187

ORDERING INFORMATION

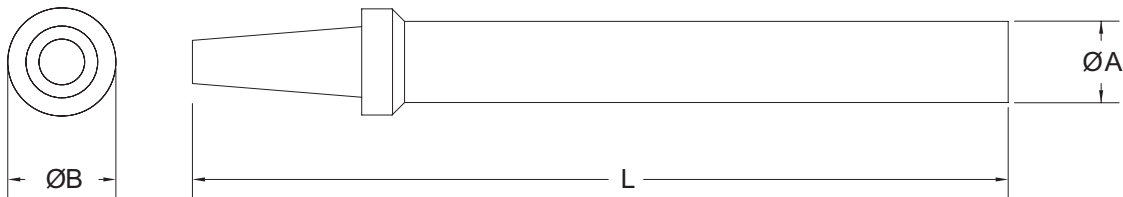
MS3187

MIL-SPEC

- A20

DASH NUMBER

See Dimension Table below.



PART NUMBER	MAT'L	WIRE SIZE	COLOR	ØA MAX.	ØB MAX.	L MAX.	APPLICATION
MS3187-A20	Nylon	20	Red	.069 [1.75]	.106 [2.69]	.610 [15.49]	MIL-C-26482
MS3187-16	Nylon	16	Blue	.091 [2.31]	.105 [2.67]	.630 [16.00]	
MS3187-12	Nylon	12	Yellow	.123 [3.12]	.153 [3.89]	.630 [16.00]	

Dimensions in brackets [] are in millimeters.

ORDERING INFORMATION

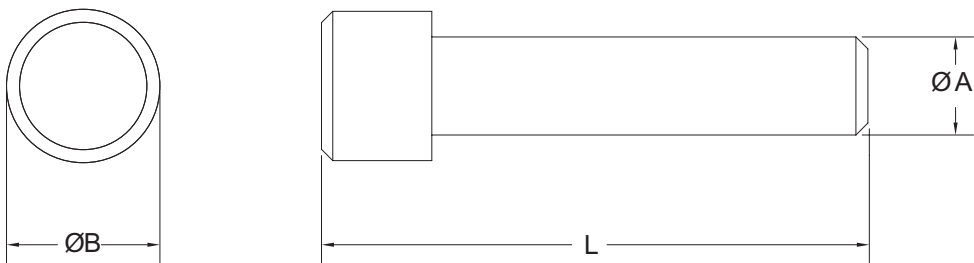
MS3187

MIL-SPEC

- 20 - 2

DASH NUMBER

See Dimension Table below.

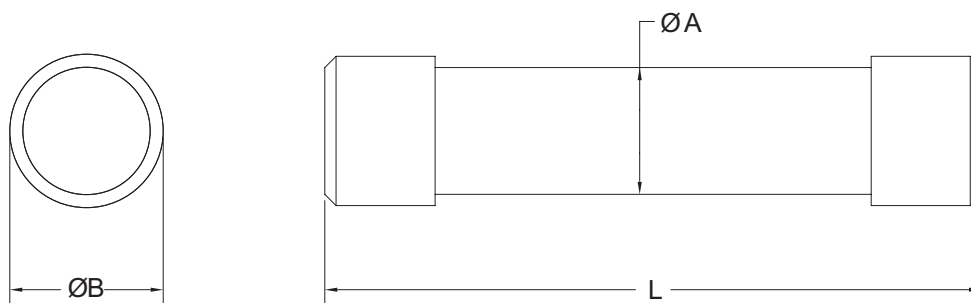


DASH NO.	MAT'L	WIRE SIZE	COLOR	ØA MAX.	ØB MAX.	L MAX.	SUPERSEDED BY REV. L	APPLICATION
-20-2	Teflon	20	Red	.065 [1.65]	.100 [2.54]	.584 [14.83]	MS27488-20-1	MIL-DTL-5015 All Series MIL-C-26482 SAE-AS81703
-16-2	Teflon	16	Blue	.093 [2.36]	.138 [3.51]	.584 [14.83]	MS27488-16-1	
-12-2	Teflon	12	Yellow	.131 [3.33]	.176 [4.47]	.584 [14.83]	MS27488-12-1	
-8-2	Teflon	8	Red	.195 [4.95]	.320 [8.13]	.480 [12.19]	MS27488-8-1	
-4-2	Teflon	4	Blue	.320 [8.13]	.420 [10.67]	.480 [12.19]	MS27488-4-1	
-0-2	Teflon	0	Yellow	.450 [11.43]	.610 [15.49]	1.010 [25.65]	MS27488-0-1	

Dimensions in brackets [] are in millimeters.

ORDERING INFORMATION

MS25251 - 8
 MIL-SPEC — DASH NUMBER
 See Dimension Table below.



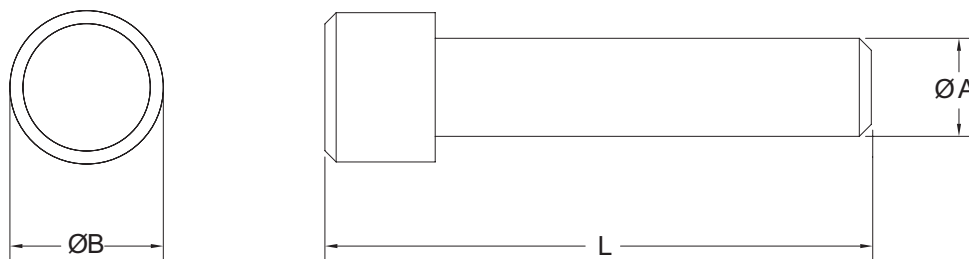
DASH NO.	MAT'L	WIRE SIZE	COLOR	ØA MAX.	ØB MAX.	L MAX.	SUPERSEDED BY REV. M	APPLICATION
-8	Nylon	8	White	.200 [5.08]	.235 [5.97]	.479 [12.17]	MS27488-8-1	MIL-DTL-5015 All Series MIL-C-26482 SAE-AS81703
-12	Nylon	12	Yellow	.150 [3.81]	.187 [4.75]	.479 [12.17]	MS27488-12-1	
-16	Nylon	16	Blue	.115 [2.92]	.152 [3.86]	.479 [12.17]	MS27488-16-1	
-20	Nylon	20	Red	.095 [2.41]	.122 [3.10]	.385 [9.78]	MS27488-20-1	

Dimensions in brackets [] are in millimeters.

MS27186

ORDERING INFORMATION

MS27186 - 1
 MIL-SPEC — DASH NUMBER
 See Dimension Table below.



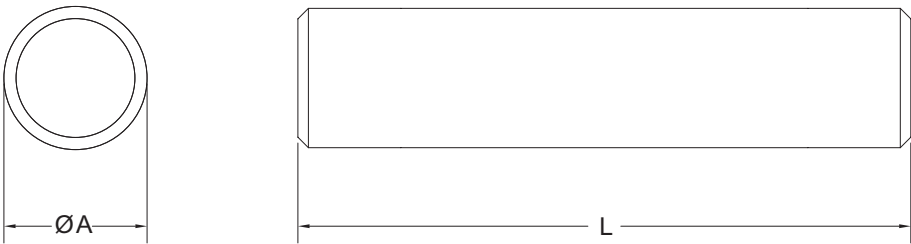
DASH NUMBER	MAT'L	WIRE SIZE	COLOR	ØA MAX.	ØB MAX.	L MAX.	SUPERSEDED BY REV. M	APPLICATION
-1	Teflon	20	Red	.065 [1.65]	.085 [2.16]	.686 [17.42]	MS27488-20-1	MIL-C-26500 MIL-C-28840
-2	Teflon	16	White	.082 [2.08]	.093 [2.36]	.946 [24.03]	MS27488-16-1	
-3	Teflon	50 OHM COAX	White	.088 [2.24]	.119 [3.02]	.919 [23.34]	MS27488-12-1	

Dimensions in brackets [] are in millimeters.

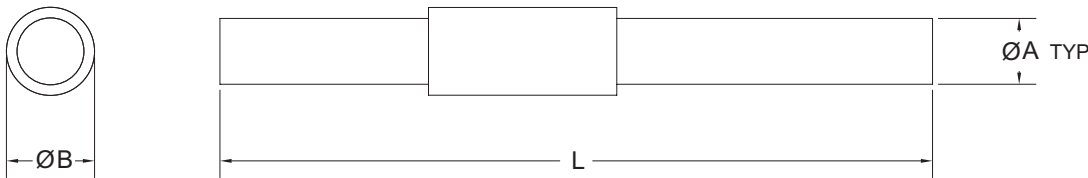
SEALING PLUG

MS27187-1, -2, -3 & -4

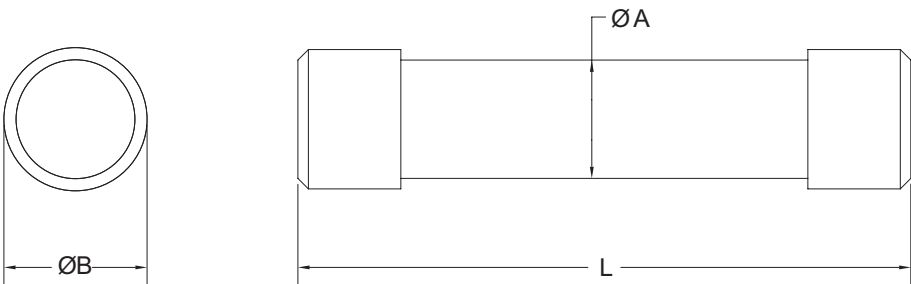
ORDERING INFORMATION



MS27187-1, MS27187-2



MS27187-3



MS27187-4

DASH NO.	MAT'L	WIRE SIZE	COLOR	ØA MAX.	ØB MAX.	L MAX.	SUPERSEDED BY REV. M	APPLICATION
-1	Teflon	16	Blue	.105 [2.67]	N/A	.565 [14.35]	MS27488-16-1	MIL-C-26500
-2	Teflon	12	Yellow	.145 [3.68]	N/A	.565 [14.35]	MS27488-12-1	
-3	Teflon	22	White	.053 [1.35]	.064 [1.63]	.946 [24.03]	MS27488-20-1	MIL-C-26500
-4	Teflon	20 SHEILDED	White	.290 [7.37]	.330 [8.38]	.750 [19.05]	MS27488-4-1	MIL-C-26500

Dimensions in brackets [] are in millimeters.

When Revision F was released on 31 October 1979, there was opposition to this change. The purpose of this new revision was to consolidate all sealing plugs under one specification. A problem arose when using the Revision F sealing plug on miniature or subminiature type connectors (i.e., MIL-DTL-38999). The overall length of the sealing plug is such that it can interfere with a cable clamp or back end accessory since it extends beyond the end of the grommet.

In a meeting held by the A2C committee of the SAE on 6 October 1980, it was determined that there should be two lengths for these sealing plugs. Cognizant agencies and manufacturers were to be solicited for dimensions on a shorter length. It was anticipated that this change would go into effect either in late 1981 or early 1982.

During the interim period, Revision D of this specification (which is an entirely different configuration) was to be used with miniature or subminiature type connectors.

A brief history of MS27488 revisions is as follows:

REVISION D

Revision D was in effect from 2 February 1976 until 19 April 1979.

REVISION E

Revision E was released on 20 April 1979 and was intended to supersede Revision D as well as six other M or MS part-numbered sealing plugs. Shortly after the release of this revision, it was determined that there were dimensional errors in the A diameter that would not allow this sealing plug to be used as a replacement part. Therefore, on 31 October 1979 it was superseded by Revision F.

REVISION F

Revision F corrected the dimensional errors in Revision E and allowed a wider latitude of materials.

REVISIONS G AND H

Revisions G and H revised materials and added the length of time obsolete parts could be used. There were no dimensional changes.

REVISION J (29 OCTOBER 1982)

Revision J was a complete specification revision. In addition to dimensional changes, the configuration of the sealing plug was changed. The sealing plugs now have a "head" on them.

REVISION K (19 NOVEMBER 1982)

No dimensional changes occurred but the designation of the 'A' diameter of Revision J was changed to '13' and the designation of the '13' diameter of Revision J was changed to 'A'. Revision K also allowed the use of old stock until depletion.

REVISION L (15 MARCH 1985)

No dimensional changes occurred. The .040/1.02 dimension was deleted from the inch/metric table and perfluoroalkoxy (PFA) was added to the material list. Revision L allows the use of old stock until depletion.

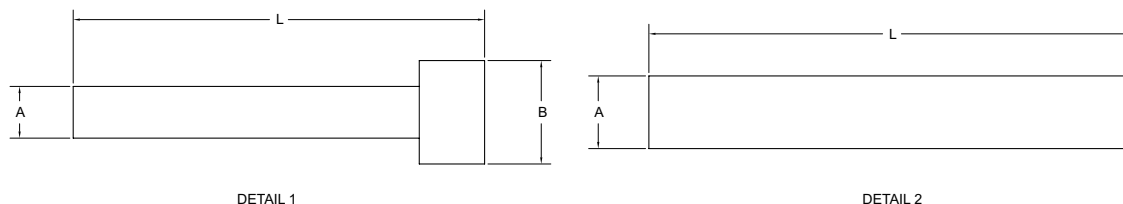
REVISION M (29 SEPTEMBER 2000)

Until now, in all the previous revisions the part number did not change. With revision M, there is a change to the part number (as well as dimensions). All MS27488 part numbers end in "-1" eg. MS27488-22-1.

REVISION N (22 SEPTEMBER 2008)

Until now, in all the previous revisions, the part number did not change. With revision N, there is a change to the part number (as well as dimensions). All MS27488 part numbers end in "-2 or -3" eg. MS27488-22-2.

MS27488 SPECIFICATION SUMMARY



REVISION	MIL-SPEC	DETAIL	MATERIAL	WIRE SIZE	COLOR	A Dia. Max	B Dia. Max.	L Max.	APPLICATION
REV D	MS27488-12	1	Teflon	12	Yellow	.110	.150	.500	MIL-DTL-38999
	MS27488-16	1	Teflon	16	Blue	.079	.120	.500	
	MS27488-20	1	Teflon	20	Red	.070	.090	.500	
	MS27488-22	1	Teflon	22	Black	.045	.068	.500	
REV E	MS27488A0	2	Teflon	0	Yellow	.398	N/A	1.415	MIL-DTL-5015
	MS27488A4	2	Teflon	4	Blue	.364	N/A	1.415	MIL-DTL-26482 Series I & II
	MS27488A8	2	Teflon	8	Red	.232	N/A	1.415	MIL-DTL-26500
	MS27488A12	2	Teflon	12	Yellow	.133	N/A	1.290	MIL-DTL-38999
	MS27488A16	2	Teflon	16	Blue	.094	N/A	1.290	MIL-DTL-81511 Series 3 & 4
	MS27488A20	2	Teflon	20	Red	.070	N/A	1.165	MIL-DTL-81659 Series II
	MS27488A22	2	Teflon	22	Green	.046	N/A	1.165	SAE-AS81703 Series 3 MIL-DTL-83723 Series II & III
REV F, G, & H	MS27488-0	2	Teflon	0	Yellow	.440	N/A	1.415	MIL-DTL-5015
	MS27488-4	2	Teflon	4	Blue	.315	N/A	1.415	MIL-DTL-26482 Series I & II
	MS27488-8	2	Teflon	8	Red	.190	N/A	1.415	MIL-DTL-26500
	MS27488-12	2	Teflon	12	Yellow	.128	N/A	1.290	MIL-DTL-38999
	MS27488-16	2	Teflon	16	Blue	.088	N/A	1.290	MIL-DTL-81511 Series 3 & 4
	MS27488-20	2	Teflon	20	Red	.065	N/A	1.165	MIL-DTL-81659 Series II
	MS27488-22	2	Teflon	22	Black	.038	N/A	1.165	SAE-AS81703 Series 3 MIL-DTL-83723 Series II & III
REV J, K & L	MS27488-0	1	Teflon	0	Yellow	.450	.610	1.010	MIL-DTL-5015
	MS27488-4	1	Teflon	4	Blue	.320	.420	.480	MIL-DTL-26482 Series I & II
	MS27488-8	1	Teflon	8	Red	.195	.320	.480	MIL-DTL-26500
	MS27488-12	1	Teflon	12	Yellow	.131	.176	.584	MIL-DTL-38999
	MS27488-16	1	Teflon	16	Blue	.093	.138	.584	MIL-DTL-81511 Series 3 & 4
	MS27488-20	1	Teflon	20	Red	.065	.100	.584	MIL-DTL-81659 Series II
	MS27488-22	1	Teflon	22	Black	.045	.068	.500	SAE-AS81703 Series 3 MIL-DTL-83723 Series II & III
REV M	See Next Page for details.								

Dimensions in brackets [] are in millimeters.

MS27488 REVISION M & N SUPERSESSION DATA

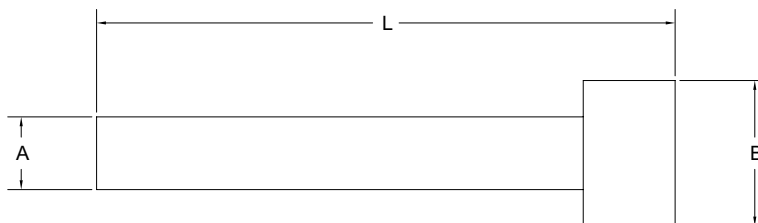
PART NUMBER	SUPERSEDED BY
M81511/39-12	MS27488-12-2
M81511/39-16	MS27488-16-2
M81511/39-20	MS27488-20-2
M81511/39-22	MS27488-22-2
M83723/28-0	MS27488-0-3
M83723/28-4	MS27488-4-3
M83723/28-8	MS27488-8-3
M83723/28-12	MS27488-12-2
M83723/28-16	MS27488-16-2
M83723/28-20	MS27488-20-2
MS3187-0-2	MS27488-0-1
MS3187-4-2	MS27488-4-1
MS3187-8-2	MS27488-8-1
MS3187-12-2	MS27488-12-1

PART NUMBER	SUPERSEDED BY
MS3187-16-2	MS27488-16-1
MS3187-20-2	MS27488-20-1
MS25251-8	MS27488-8-1
MS25251-12	MS27488-12-1
MS25251-16	MS27488-16-1
MS25251-20	MS27488-20-1
MS27186-1	MS27488-20-2
MS27186-2	MS27488-16-2
MS27186-3	MS27488-12-2
MS27187-1	MS27488-16-2
MS27187-2	MS27488-12-2
MS27187-3	MS27488-20-2
MS27187-4	MS27488-4-3
MS27488-0	MS27488-0-3

PART NUMBER	SUPERSEDED BY
MS27488-0-1	MS27488-0-3
MS27488-4	MS27488-4-3
MS27488-4-1	MS27488-4-3
MS27488-8	MS27488-8-3
MS27488-8-1	MS27488-8-3
MS27488-12	MS27488-12-3
MS27488-12-1	MS27488-12-3
MS27488-16	MS27488-16-3
MS27488-16-1	MS27488-16-3
MS27488-20	MS27488-20-3
MS27488-20-1	MS27488-20-3
MS27488-22	MS27488-22-3
MS27488-22-1	MS27488-22-3

ORDERING INFORMATION

MS27488 - 12
MIL-SPEC — DASH NUMBER
See Dimension Table below.



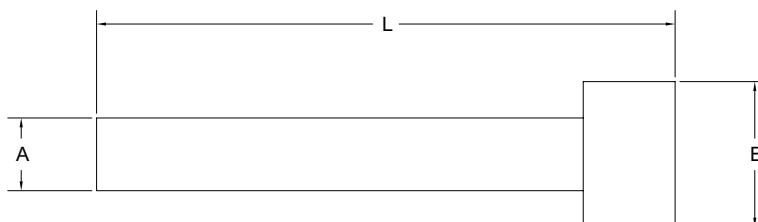
DASH NO.	MAT'L	WIRE SIZE	COLOR	ØA MAX.	ØB MAX.	L MAX.	APPLICATION
-12	TEFLON	12	YELLOW	.110 [2.79]	.150 [3.81]	.500 [12.70]	MIL-DTL-38999
-16	TEFLON	16	BLUE	.079 [2.01]	.120 [3.05]	.500 [12.70]	
-20	TEFLON	20	RED	.070 [1.78]	.090 [2.29]	.500 [12.70]	
-22	TEFLON	22	BLACK	.045 [1.14]	.068 [1.73]	.500 [12.70]	

Dimensions in brackets [] are in millimeters.

MS27488 REV L

ORDERING INFORMATION

MS27488 - 4
MIL-SPEC — DASH NUMBER
See Dimension Table below.



DASH NO.	MAT'L	WIRE SIZE	COLOR	ØA MAX.	ØB MAX.	L MAX.	APPLICATION
-0	TEFLON	0	YELLOW	.450 [11.43]	.610 [15.49]	1.010 [25.65]	MIL-DTL-5015 MIL-C-26482 SERIES I & II MIL-C-26500 MIL-DTL-38999 MIL-C-81511 SERIES 3 & 4 MIL-C-81659 SERIES II SAE-AS81703 SERIES 3 MIL-DTL-83723 SERIES II & III
-4	TEFLON	4	BLUE	.320 [8.13]	.420 [10.67]	.480 [12.19]	
-8	TEFLON	8	RED	.195 [4.95]	.320 [8.13]	.480 [12.19]	
-12	TEFLON	12	YELLOW	.131 [3.33]	.176 [4.47]	.584 [14.83]	
-16	TEFLON	16	BLUE	.093 [2.36]	.138 [3.51]	.584 [14.83]	
-20	TEFLON	20	RED	.065 [1.65]	.100 [2.54]	.584 [14.83]	
-22	TEFLON	22	BLACK	.045 [1.14]	.068 [1.73]	.500 [12.70]	

Dimensions in brackets [] are in millimeters.

SEALING PLUG

MS27488 REV M

ORDERING INFORMATION

MS27488 - 12 - 1

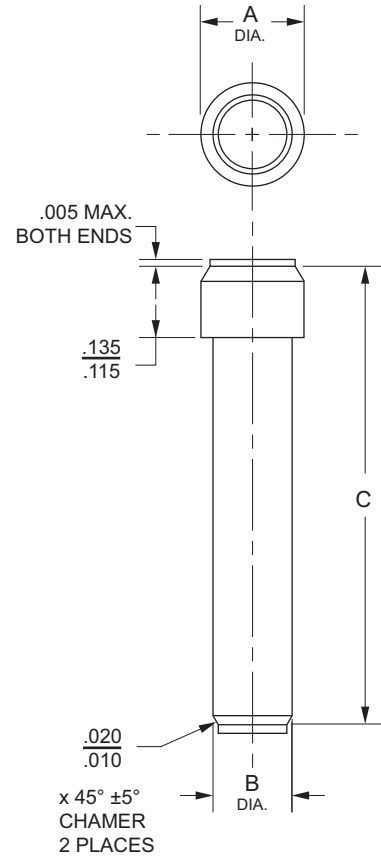
MIL-SPEC

DASH NUMBER

See Dimension Table below.

DASH NO.	COLOR CODE	A DIA.	B DIA.	C DIM.	CONNECTOR CONTACT SIZE (GROMMET CAVITY SIZE)
-22-1	Black	0.066 - 0.058 [1.68 - 1.47]	0.045 - 0.038 [1.14 - 0.97]	0.796 - 0.746 [20.22 - 18.95]	23-22
-20-1	Red	0.090 - 0.080 [2.29 - 2.03]	0.058 - 0.048 [1.47 - 1.22]	0.805 - 0.755 [20.45 - 19.18]	20
-16-1	Blue	0.130 - 0.120 [3.30 - 3.05]	0.079 - 0.069 [2.01 - 1.75]	1.472 - 1.422 [37.39 - 36.12]	16
-12-1	Yellow	0.170 - 0.160 [4.32 - 4.06]	0.125 - 0.115 [3.18 - 2.92]	1.441 - 1.391 [36.60 - 35.33]	12
-8-1	Red	0.315 - 0.305 [8.00 - 7.75]	0.175 - 0.165 [4.45 - 4.19]	1.189 - 1.139 [30.20 - 28.93]	8
-4-1	Blue	0.414 - 0.404 [10.52 - 10.26]	0.283 - 0.273 [7.19 - 6.93]	1.189 - 1.139 [30.20 - 28.93]	4
-0-1	Yellow	0.606 - 0.596 [15.39 - 15.14]	0.431 - 0.416 [10.95 - 10.57]	1.071 - 1.021 [27.20 - 25.93]	0

Dimensions in brackets [] are in millimeters.



MS27488 REV N

ORDERING INFORMATION

MS27488 - 12 - 2

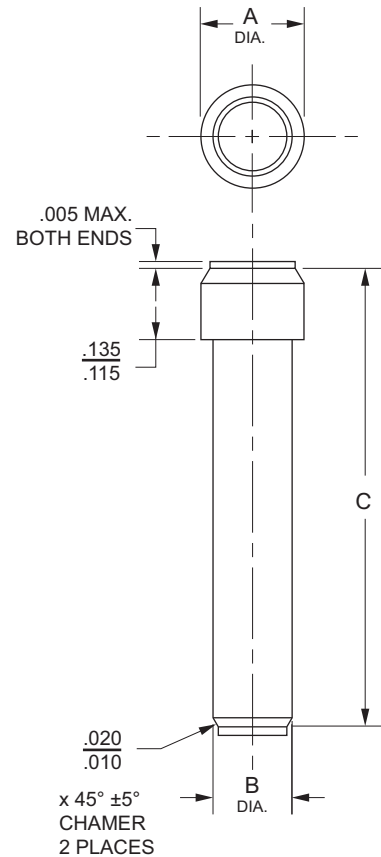
MIL-SPEC

DASH NUMBER

See Dimension Table below.

DASH NO.	COLOR CODE	A DIA.	B DIA.	C DIM.	CONNECTOR CONTACT SIZE (GROMMET CAVITY SIZE)
-22-2	Black	0.066 - 0.058 [1.68 - 1.47]	0.045 - 0.038 [1.14 - 0.97]	0.500 - 0.438 [12.70 - 11.13]	23-22
-20-2	Red	0.090 - 0.080 [2.29 - 2.03]	0.058 - 0.048 [1.47 - 1.22]	0.805 - 0.755 [20.45 - 19.18]	20
-16-2	Blue	0.130 - 0.120 [3.30 - 3.05]	0.079 - 0.069 [2.01 - 1.75]	0.872 - 0.822 [22.15 - 20.88]	16
-16-3	Blue	0.130 - 0.120 [3.30 - 3.05]	0.079 - 0.069 [2.01 - 1.75]	1.472 - 1.422 [37.39 - 36.12]	16
-12-2	Orange	0.170 - 0.160 [4.32 - 4.06]	0.125 - 0.115 [3.18 - 2.92]	0.841 - 0.791 [21.36 - 20.09]	12
-12-3	Yellow	0.170 - 0.160 [4.32 - 4.06]	0.125 - 0.115 [3.18 - 2.92]	1.441 - 1.391 [36.60 - 35.33]	12
-8-3	Red	0.315 - 0.305 [8.00 - 7.75]	0.175 - 0.165 [4.45 - 4.19]	1.189 - 1.139 [30.20 - 28.93]	8
-4-3	Blue	0.414 - 0.404 [10.52 - 10.26]	0.283 - 0.273 [7.19 - 6.93]	1.189 - 1.139 [30.20 - 28.93]	4
-0-3	Yellow	0.606 - 0.596 [15.39 - 15.14]	0.431 - 0.416 [10.95 - 10.57]	1.071 - 1.021 [27.20 - 25.93]	0

Dimensions in brackets [] are in millimeters.



SECTION 18D

CRIMP CONTACT ADAPTERS

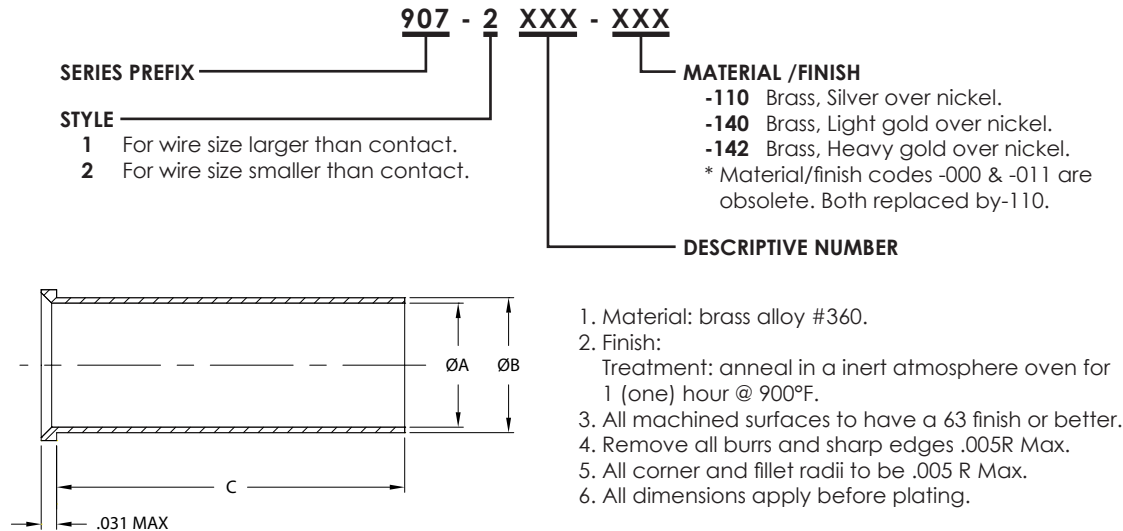
18D

CRIMP CONTACT ADAPTER

FOR WIRE SIZE SMALLER/LARGER THAN CONTACT

907-2*** SERIES

ORDERING INFORMATION



PART NUMBER	MILITARY MS3348	CRIMP CONTACT WIRE BARREL SIZE AWG	WIRE SIZE AWG	WIRE SIZE MM	A +.002 -.003	B +.002 -.003	C Ref.
907-2005-***	—	20	26	0.14	.023	.042	.120
907-2011-***	—	20	26	0.14	.023	.042	.120
907-2010-***	—	20	24-30	0.25-0.05	.027	.042	.120
907-2012-***	—	16	—	0.12	.033	.063	.230
907-2013-***	—	16	26	0.14	.033	.063	.230
907-2016-***	—	16	24	0.25	.035	.063	.230
907-2020-***	—	16	22-24	0.34	.035	.063	.230
907-2021-***	—	16	22	0.34	.043	.063	.230
907-2022-***	—	16	22	0.34	.035	.063	.190
907-2025-***	—	16	22	0.34	.043	.059	.149
907-2030-***	—	16	20	0.50	.046	.063	.230
907-2037-***	—	14	22	0.34	.043	.070	.230
907-2038-***	—	12	20	0.50	.046	.094	.221
907-2039-***	—	12	18	0.75	.065	.094	.221
907-2040-***	—	12	16	1.50	.069	.094	.230
907-2041-***	—	12	18	0.75	.054	.094	.221
907-2043-***	—	6.0 MM	—	1.50	.068	.140	.230
907-2045-***	—	6.0 MM	—	2.50	.086	.140	.230
907-2049-***	—	8	18	0.75	.065	.173	.380
907-2050-***	—	8	16	1.50	.069	.173	.380
907-2051-***	—	8	16	1.50	.072	.173	.422
907-2053-***	—	8	14	2.50	.086	.173	.422
907-2055-***	—	8	14	2.50	.086	.173	.422
907-2056-***	—	8	12	3.00	.111	.173	.380
907-2060-***	—	8	12	3.00	.111	.173	.380
907-2061-***	—	8	12	3.00	.111	.173	.380
907-2062-***	—	8	12	3.00	.111	.178	.380
907-2068-***	—	8	10	6.00	.126	.175	.380
907-2070-***	MS3348-8-10	8	10	6.00	.136	.173	.380
907-2071-***	—	8	10	6.00	.144	.173	.380
907-2072-***	—	8	10	6.00	.136	.173	.422
907-2073-***	—	8SP	12	3.00	.100	.130	.422
907-2077-***	—	10 MM	12	3.00	.100	.173	.422
907-2080-***	MS3348-6-10L	6	10	6.0	.136	.225	.700
907-2090-***	MS3348-6-9	6	9	—	.155	.225	.700
907-2100-***	MS3348-6-8L	6	8	10.0	.185	.225	.700
907-2102-***	—	16 MM	—	2.5	.086	.240	.480
907-2103-***	—	16 MM	—	4.0	.111	.240	.480
907-2105-***	—	16 MM	—	6.0	.144	.240	.480
907-2107-***	—	16 MM	—	10.0	.185	.240	.480
907-2108-***	—	4	10	6.0	.136	.272	.373
907-2109-***	—	4	10	6.0	.144	.272	.380
907-2110-***	—	4	8	10.0	.185	.272	.380

CRIMP CONTACT ADAPTER

FOR WIRE SIZE SMALLER/LARGER THAN CONTACT

907-2*** SERIES

PART NUMBER	MILITARY MS3348	CRIMP CONTACT WIRE BARREL SIZE AWG	WIRE SIZE AWG	WIRE SIZE MM	A +.002 -.003	B +.002 -.003	C Ref.
907-2111-***	MS3348-4-8L	4	8	10.0	.185	.272	.700
907-2112-***	—	4	8	10.0	.197	.272	.380
907-2113-***	—	4	—	15.0	.197	.272	.380
907-2114-***	—	4	8	10.0	.197	.272	.380
907-2117-***	—	4	6	16.0	.225	.272	.422
907-2118-***	—	4	12	4.0	.101	.272	.240
907-2119-***	MS3348-4-6L	4	6	2.5	.235	.272	.700
907-2120-***	MS3348-4-6	4	6	16.0	.225	.272	.380
907-2130-***	—	4	6	16.0	.225	.272	.700
907-2140-***	MS3348-4-5L	4	5	15.0	.250	.272	.380
907-2150-***	—	4	5	15.0	.242	.272	.380
907-2152-***	—	4	5	15.0	.240	.272	.440
907-2153-***	—	4	6	16.0	.244	.272	.440
907-2154-***	—	4	313 MCM	—	.730	.823	—
907-2155-***	—	25 MM	—	6.0	.144	.300	.480
907-2156-***	—	25 MM	—	16.0	.244	.300	.480
907-2158-***	—	2	4	—	—	—	—
907-2160-***	MS3348-1-6L	1	6	16.0	.225	.396	.700
907-2165-***	—	1	6	16.0	.250	.396	.700
907-2170-***	MS3348-1-2L	1	2	35.0	.359	.396	.700
907-2171-***	—	50 MM	—	25.0	.300	.415	.600
907-2172-***	—	1/0	10	6.0	.136	.444	.644
907-2173-***	—	1/0	8	9.0	.185	.444	.644
907-2174-***	—	1/0	—	10.0	.197	.444	.644
907-2175-***	—	1/0	6	16.0	.225	.444	.644
907-2176-***	—	1/0	—	16.0	.244	.444	.536
907-2178-***	—	1/0	—	20.0	.195	.444	.536
907-2179-***	—	1/0	—	25.0	.307	.444	.536
907-2180-***	—	1/0	4	25.0	.299	.444	.536
907-2181-***	—	1/0	—	10.0	.197	.444	.500
907-2182-***	—	1/0	2	35.0	.244	.444	.500
907-2183-***	—	1/0	—	25.0	.307	.444	.500
907-2184-***	—	1/0	—	35.0	.354	.444	.500
907-2185-***	—	1/0	—	50.0	.421	.444	.500
907-2186-***	—	1/0	2	35.0	.359	.444	.664
907-2187-***	—	1/0	4	25.0	.282	.444	.664
907-2188-***	—	1/0	4	25.0	.282	.444	.536
907-2190-***	MS3348-0-2	1/0	2	35.0	.359	.444	.536
907-2210-***	—	1/0	2	35.0	.417	.444	.536
907-2200-***	—	1/0	1	50.0	.390	.444	.536
907-2201-***	—	50 MM	—	35.0	.354	.410	.500
907-2202-***	—	1/0	—	50.0	.421	.444	.536
907-2203-***	—	2/0	2	35.0	.359	.491	.528
907-2204-***	—	2/0	—	25.0	.307	.491	.528
907-2205-***	—	2/0	—	70.0	.440	.491	.528
907-2206-***	—	2/0	—	50.0	.421	.491	.528
907-2210-***	—	70MM	—	25.0	.307	.491	.500
907-2211-***	—	70MM	—	50.0	.421	.491	.500
907-2207-***	—	95 MM	—	70.0	—	—	—
907-2218-***	—	4/0	2/0	70.0	.500	.615	.700
907-2219-***	—	4/0	2	35.0	.560	.629	.700
907-2220-***	MS3348-4/0-2/0	4/0	2/0	70.0	.500	.629	.700
907-2221-***	—	4/0	3/0	95.0	.564	.629	.700
907-2230-***	—	150 MM	—	70.0	.500	.629	.700
907-2240-***	—	190 MM	4/0	107.0	.641	—	—
907-2250-***	—	DIN500	—	16.0	.244	—	—
907-2253-***	—	DIN500	—	35.0	.354	—	—

18D

CRIMP CONTACT ADAPTER

FOR WIRE SIZE LARGER THAN CONTACT

907-1*** SERIES

ORDERING INFORMATION

907 - 1

XXX - XXX

SERIES PREFIX

STYLE

1

For wire size larger than contact.

2

For wire size smaller than contact.

MATERIAL /FINISH

-110

Brass, Silver over nickel.

-140

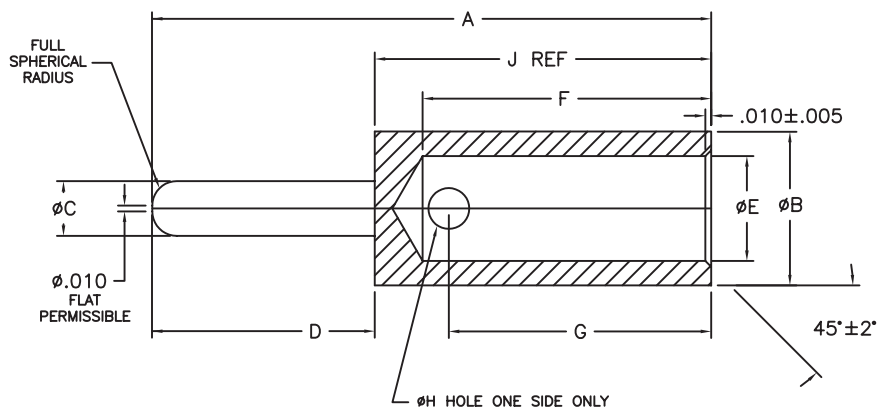
Brass, Light gold over nickel.

-142

Brass, Heavy gold over nickel.

* Material/finish codes -000 & -011 are obsolete. Both replaced by-110.

DESCRIPTIVE NUMBER



PART NUMBER	CRIMP CONTACT WIRE BARREL SIZE AWG	WIRE SIZE AWG	A $\pm .010$	B $\pm .002$	C $\pm .002$	D $\pm .005$	E $\pm .002$	F $\pm .010$	G $\pm .005$	H $\pm .002$	J REF
907-1010-***	12	8-10	.807	.264	.094	.230	.181	.495	.450	.070	.577
907-1020-***	16	12-14	.549	.149	.062	.230	.100	.260	.220	.039	.319
907-1021-***	16	12-14	.617	.156	.062	.200	.100	.200	.160	.039	.400
907-1030-***	20	12-14	.509	.149	.038	.190	.100	.260	.220	.039	.319
907-1040-***	20	16-18	.499	.102	.038	.190	.067	.260	.220	.039	.309
907-1050-***	22	20-22	.363	.069	.029	.120	.047	.199	.190	.029	.243
907-1060-***	22	16-18	.429	.102	.029	.120	.067	.260	.220	.039	.309

SECTION 19D

CROSS REFERENCE/INDEX

19D

CROSS REFERENCE/INDEX

A10089	1/4" Band, Flat (SCPBE02F)	8D-34
A10088	1/4" Band, Coiled (SCPBE02C)	8D-34
A31189	Mini Band, Flat (SCPBE04F)	8D-34
A31188	Mini Band, Coiled (SCPBE04C)	8D-34
A31089	Mini Band, Flat (SCPBE03F)	8D-34
B001A-★	Non-Environmental Straight Backshell	5D-2
B001B-★	Non-Environmental Straight Backshell	5D-2
B001CC-★	Non-Environmental 45 Degree Backshell	5D-2
B001D-★	Non-Environmental 90 Degree Backshell	5D-2
B002A-★	Environmental Straight Backshell	2D-2
B002B-★	Environmental Straight Backshell	2D-2
B002CC-★	Environmental 45 Degree Backshell	2D-2
B002D-★	Environmental 90 Degree Backshell	2D-2
B003A-★	Non-Environmental EMI/RFI Straight Backshell, Cone Termination	6D-2
B003B-★	Non-Environmental EMI/RFI Straight Backshell, Cone Termination	6D-2
B003CC-★	Non-Environmental EMI/RFI 45 Degree Backshell, Cone Termination	6D-2
B003D-★	Non-Environmental EMI/RFI 90 Degree Backshell, Cone Termination	6D-2
B004A-★	Environmental EMI/RFI Straight Backshell, Cone Termination	3D-2
B004B-★	Environmental EMI/RFI Straight Backshell, Cone Termination	3D-2
B004CC-★	Environmental EMI/RFI 45 Degree Backshell, Cone Termination	3D-2
B004D-★	Environmental EMI/RFI 90 Degree Backshell, Cone Termination	3D-2
B005A-★	Straight Backshell, Crimp Ring Termination for Shrink Boot	8D-2
B005B-★	Straight Backshell, Crimp Ring Termination for Shrink Boot	8D-2
B005CC-★	45 Degree Backshell, Crimp Ring Termination for Shrink Boot	8D-2
B005D-★	90 Degree Backshell, Crimp Ring Termination for Shrink Boot	8D-2
B006A-★	Shrink Boot Adapter	10D-2
B006B-★	Shrink Boot Adapter	10D-2
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★ Indicates additional alpha-numerics are required to complete part numbers.
CS Contact our Sales Department for information on this part.



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B049AF55-★	MIL-DTL-5015, MIL-DTL-26482 Series 2 MIL-DTL-83723 Series III, 90 Degree Cable Tie Strain Relief, Non-Locking	CS
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B049AK03★A3★	MIL-DTL-22992, SWLD Series Environmental Straight Adapter with Cable Clamp	CS
B049AK03★B1★	MIL-DTL-22992, SWLD Series Environmental Straight Adapter with Cable Clamp	CS
B049AK03★B2★	MIL-DTL-22992, SWLD Series Environmental Straight Adapter with Cable Clamp	CS
B049AK03★B3★	MIL-DTL-22992, SWLD Series Environmental Straight Adapter with Cable Clamp	CS
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B049AK04★A2★	MIL-DTL-22992, SWLD Series Environmental Step-Up Adapter with Cable Clamp	CS
B049AK04★A3★	MIL-DTL-22992, SWLD Series Environmental Step-Up Adapter with Cable Clamp	CS
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B049AK04★B2★	MIL-DTL-22992, SWLD Series Environmental Step-Up Adapter with Cable Clamp	CS
B049AK04★B3★	MIL-DTL-22992, SWLD Series Environmental Step-Up Adapter with Cable Clamp	CS
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★ Indicates additional alpha-numerics are required to complete part numbers.

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★ Indicates additional alpha-numerics are required to complete part numbers.

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★ Indicates additional alpha-numerics are required to complete part numbers.

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★ Indicates additional alpha-numerics are required to complete part numbers.

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★ Indicates additional alpha-numerics are required to complete part numbers.

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★ Indicates additional alpha-numerics are required to complete part numbers.

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M85049/52S★	MIL-DTL-5015 Crimp, MIL-DTL-26482 Series 2 MIL-DTL-83723 Series III, Straight Self-Locking Strain Relief (B049AF52S★)	11D-3
M85049/53★	MIL-DTL-5015 Crimp, MIL-DTL-26482 Series 2 MIL-DTL-83723 Series III, Straight Cable Tie Strain Relief (B049AF53★)	CS
M85049/54★	MIL-DTL-5015 Crimp, MIL-DTL-26482 Series 2 MIL-DTL-83723 Series III, 45 Degree Cable Tie Strain Relief (B049AF54★)	CS
M85049/55★	MIL-DTL-5015 Crimp, MIL-DTL-26482 Series 2 MIL-DTL-83723 Series III, 90 Degree Cable Tie Strain Relief (B049AF55★)	CS
M85049/55G★	MIL-DTL-5015 Crimp, MIL-DTL-26482 Series 2 MIL-DTL-83723 Series III, & SAE-AS81703 90 Degree Self-Locking Cable Tie Strain Relief with Ground Lug (B049AF55G★)	CS
M85049/55S★	MIL-DTL-5015, MIL-DTL-26482 Series 2 90 Degree Self-Locking Cable Tie Strain Relief less Ground Lug (B049AF55S★)	CS
M85049/56★	MIL-DTL-38999 Series I & II Straight Cable Tie Strain Relief (B049BF56★)	CS
M85049/57★	MIL-DTL-38999 Series I & II 45 Degree Cable Tie Strain Relief (B049BF57★)	CS
M85049/57G★	MIL-DTL-38999 Series I & II 45 Degree Self-Locking Cable Tie Strain Relief with Ground Lug (B049BF57G★)	CS
M85049/57S★	MIL-DTL-38999 Series I & II 45 Degree Self-Locking Cable Tie Strain Relief less Ground Lug (B049BF57S★)	CS
M85049/58★	MIL-DTL-38999 Series I & II Potting Boot Ring (B049BF58★)	7D-2
M85049/59★	MIL-DTL-22992 Class C, J & R Shrink Boot Adapter (B049AK59★)	10D-6
M85049/60-1★	MIL-DTL-5015 Crimp, MIL-DTL-26482 Series 2 Shrink Boot Adapter (B049AF60-1★)	10D-7
M85049/60-2G★	MIL-DTL-5015 Crimp, MIL-DTL-26482 Series 2 Shrink Boot Adapter (B049AF60-2G★)	10D-8
M85049/62★	MIL-DTL-38999 Series I & II Shrink Boot Adapter (B049BF62★)	10D-9
M85049/63★	MIL-DTL-38999 Series I & II 90 Degree Cable Tie Strain Relief (B049BF63★)	CS
M85049/63G★	MIL-DTL-38999 Series I & II 90 Degree Self-Locking Cable Tie Strain Relief with Ground Lug (B049BF63G★)	CS
M85049/63S★	MIL-DTL-38999 Series I & II 90 Degree Self-Locking Cable Tie Strain Relief less Ground Lug (B049BF63S★)	CS
M85049/69★	MIL-DTL-38999 Series III Shrink Boot Adapter (B049BG69★)	10D-10
M85049/75-★-1	MIL-DTL-38999 Series I & II Straight Potting Boot (B049BF75-★-1)	7D-3
M85049/75-★-2	MIL-DTL-38999 Series I & II 90 Degree Potting Boot (B049BF75-★-2)	7D-4
M85049/76★	MIL-DTL-38999 Series I & II Environmental EMI/RFI 90 Degree Backshell with Cable Clamp (B049BF76★)	3D-29
M85049/77★	MIL-DTL-38999 Series I & II Environmental EMI/RFI 45 Degree Backshell with Cable Clamp (B049BF77★)	3D-30
M85049/78★	MIL-DTL-38999 Series III Environmental EMI/RFI 45 Degree Backshell with Cable Clamp (B049BG78★)	3D-33
M85049/79★	MIL-DTL-38999 Series III Environmental EMI/RFI 90 Degree Backshell with Cable Clamp (B049BG79★)	3D-34
M85049/80★	Sealing Plug	17D-2
M85049/81★	Sealing Plug	17D-3

★ Indicates additional alpha-numeric are required to complete part numbers.

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M85049/82★	MIL-DTL-5015 Crimp, MIL-DTL-26482 Series 2 MIL-DTL-83723 Series III, Non-Environmental EMI/RFI Straight Shield Band Termination, Self-Locking (B049AF82★)	8D-13
M85049/83★	MIL-DTL-5015 Crimp, MIL-DTL-26482 Series 2 MIL-DTL-83723 Series III, Non-Environmental EMI/RFI 45 Degree Shield Band Termination, Self-Locking (B049AF83★)	8D-14
M85049/84★	MIL-DTL-5015 Crimp, MIL-DTL-26482 Series 2 MIL-DTL-83723 Series III, Non-Environmental EMI/RFI 90 Degree Shield Band Termination, Self-Locking (B049AF84★)	8D-16
M85049/85★	MIL-DTL-38999 Series I & II Non-Environmental EMI/RFI Straight Shield Band Termination, Self-Locking (B049BF85★)	8D-23
M85049/86★	MIL-DTL-38999 Series I & II Non-Environmental EMI/RFI 45 Degree Shield Band Termination, Self-Locking (B049BF86★)	8D-24
M85049/87★	MIL-DTL-38999 Series I & II Non-Environmental EMI/RFI 90 Degree Shield Band Termination, Self-Locking (B049BF87★)	8D-25
M85049/88★	MIL-DTL-38999 Series III Non-Environmental EMI/RFI Straight Shield Band Termination, Self-Locking (B049BG88★)	8D-29
M85049/89★	MIL-DTL-38999 Series III IV Non-Environmental EMI/RFI 45 Degree Shield Band, Self-Locking (B049BG89★)	8D-30
M85049/90★	MIL-DTL-38999 Series III IV Non-Environmental EMI/RFI 90 Degree Shield Band, Self-Locking (B049BG90★)	8D-32
M85049/93★	Composite Split Support Ring (B049BG93★)	8D-33
M85049/94★	Full Mounting Plate for Box or Wall Mounting Receptacle (B049AF94★)	15D-2
M85049/95★	3/4 Mounting Plate for Box or Wall Mounting Receptacle (B049AF95★)	15D-4
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M85049/105-★	MIL-DTL 38999 Series III & IV Non-Environmental EMI/RFI Strain Relief	CS
M85049/109★ thru		
M85049/117★	Shield Band Termination	CS
M85049/118★ thru		
M85049/126★	Strain Relief	CS
M85049/127-★	Bushing Strip	CS
M85049/128	Shield Termination Band, Used With M85049/82 - /90, /109 - /117 Backshells.	8D-34
M85049/130	Flange Mount Gasket, Conductive, Non Conductive,	CS
M85049/131	MIL-DTL-38999 Series III & AS5590/1, Fiber Optic Backshell, Straight, Self-Locking	CS
M85049/132	MIL-DTL-38999 Series III & AS5590/1, Fiber Optic Backshell, 45°, Self-Locking (Not Issued)	CS
M85049/133	MIL-DTL-38999 Series III & AS5590/1, Fiber Optic Backshell, 90°, Self-Locking	CS
M85049/134	Fiber Optic Backshell, Filler Plug	CS
M85049/135	MIL-DTL-38999 Series III & AS5590/1, Fiber Optic Backshell, Split, Straight, Self-Locking	CS
M85049/136	MIL-DTL-38999 Series III & AS5590/1, Fiber Optic Backshell, Split, 45°, Self-Locking	CS
M85049/137	MIL-DTL-38999 Series III & AS5590/1, Fiber Optic Backshell, Split, 90°, Self-Locking	CS
M85049/138	Dust Cap, Plastic,	CS
M85049/139	Telescoping Bushing, Cable Clamp to Cable, For M85049 Cable Clamps	CS
M85049/140	Boots, Heat-Shrinkable, Straight	CS
M85049/141	Boots, Heat-Shrinkable, 90°.	CS
M85049/142	Boots & Sleeves, Transitions, Heat-Shrinkable	CS
M85049/143	AS81714, Size 22, 20 & 16 Terminal Junction Blocks, Backshell, Strain Relief	CS
M85049/147	MIL-DTL-38999 Series III & IV Straight Strain Relief for Coaxial Type Contacts	CS
MQ36★P	Straight Plug, Pin Contacts (SC723/66)	Catalog 202
MQ36★S	Straight Plug, Socket Contacts (SC723/67)	Catalog 202
MQ35★P	Straight Plug, Pin Contacts (SC723/68)	Catalog 202
MQ35★S	Straight Plug, Socket Contacts (SC723/69)	Catalog 202
MS3057-★A	Cable Clamp	11D-23
MS3057-★B	Cable Clamp	11D-24
MS3057-★C	Cable Clamp	11D-25
MS3057-★D	Cable Clamp	11D-26
MS3100★	MIL-DTL-5015 Wall Mount Receptacle (SCP00★)	Catalog 102
MS3101★	MIL-DTL-5015 In-Line Receptacle (SCP01★)	Catalog 102
MS3102★	MIL-DTL-5015 Box Mount Receptacle (SCP02★)	Catalog 102
MS3103-★	MIL-DTL-5015 Wall Mount Receptacle (SCP00SJ★)	Catalog 102
MS3105-★	MIL-DTL-5015 Dummy Receptacle (SCP3105★)	12D-2
MS3106★	MIL-DTL-5015 Straight Plug (SCP06★)	Catalog 102
MS3107A★	MIL-DTL-5015 Quick Disconnect Plug (SCP07AJ★)	Catalog 102
MS3108★	MIL-DTL-90 Degree Plug (SCP08★)	Catalog 102
MS3110★	MIL-DTL-26482 Series 1 Solder Wall Mount Receptacle (SCPT00★)	Catalog 202
MS3111★	MIL-DTL-26482 Series 1 Solder In Line Receptacle (SCPT01★)	Catalog 202
MS3112★	MIL-DTL-26482 Series 1 Solder Box Mount Receptacle (SCPT02★)	Catalog 202
MS3114★	MIL-DTL-26482 Series 1 Solder Jam Nut Receptacle (SCPT07★)	Catalog 202
MS3115★	MIL-DTL-26482 Dummy Receptacle (SCP3115★)	12D-4
MS3116★	MIL-DTL-26482 Series 1 Solder Straight Plug (SCPT06★)	Catalog 202
MS3120★	MIL-DTL-26482 Series 1 Crimp Wall Mount (SCP000S★)	Catalog 202
MS3121★	MIL-DTL-26482 Series 1 Crimp In-Line Receptacle (SCP01S★)	Catalog 202
MS3122★	MIL-DTL-26482 Series 1 Crimp Box Mount Receptacle (SCP02S★)	Catalog 202

★ Indicates additional alpha-numerics are required to complete part numbers.

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MS3124★	MIL-DTL-26482 Series 1 Crimp Jam Nut Receptacle (SCP07S★)	Catalog 202
MS3126★	MIL-DTL-26482 Series 1 Crimp Straight Plug (SCP06S★)	Catalog 202
MS3130★	AS81703 Wall Mount Receptacle (SCPDM9606★)	Catalog 202
MS3132★	AS81703 Box Mount (SCPDM9616★)	Catalog 202
MS3134★	AS81703 Jam Nut Receptacle (SCPDM9601★)	Catalog 202
MS3135★	SAE-AS81703 Series 1 & 2 Dummy Receptacle (SC3135★)	CS
MS3137★	AS81703 Straight Plug (SCPDM9700★)	Catalog 202
MS3138★	AS81703 Lanyard Release Plug (SCPDM14946★)	Catalog 202
MS3180★	MIL-DTL-26482 Dust Cap for Plug (SCP3180★)	12D-4
MS3181★	MIL-DTL-26482 Dust Cap for Receptacle (SCP3181★)	12D-4
MS3182★	SAE-AS81703 Series 1 & 2 Dust Cap for Plug (SCP3182★)	CS
MS3183★	SAE-AS81703 Series 1 & 2 Dust Cap for Receptacle (SCP3183★)	CS
MS3185-★-1	Potting Boot, Straight (SC3185-★-1)	7D-5
MS3185-★-2	Potting Boot, 90 Degree (SC3185-★-2)	7D-6
MS3186-★	MIL-DTL-5015, MIL-DTL-26482 & MIL-DTL-38999 Series I & II Jam Nut (SCP3186-★)	14D-3
MS3187-★	Sealing Plug	17D-4
MS3400★	MIL-DTL-5015 Wall Mount Receptacle, Crimp Front Release (SC30★)	Catalog 102
MS3401★	MIL-DTL-5015 In-Line Receptacle, Crimp Front Release (SC31★)	Catalog 102
MS3402★	MIL-DTL-5015 Box Mount Receptacle, Crimp Front Release (SC32★)	Catalog 102
MS3404★	MIL-DTL-5015 Jam Nut Receptacle, Crimp Front Release (SC34★)	Catalog 102
MS3406★	MIL-DTL-5015 Straight Plug, Crimp Front Release (SC36★)	Catalog 102
MS3408★	MIL-DTL-5015 90 Degree Plug, Crimp Front Release (SC38★)	Catalog 102
MS3409★	MIL-DTL-5015 45 Degree Plug, Crimp Front Release (SC39★)	Catalog 102
MS3412★	MIL-DTL-5015 Box Mount Receptacle, Crimp Front Release (SC32★)	Catalog 102
MS3450★	MIL-DTL-5015 Wall Mount Receptacle, (SC50★)	Catalog 102
MS3451★	MIL-DTL-5015 In Line Receptacle (SC51★)	Catalog 102
MS3452★	MIL-DTL-5015 Box Mount Receptacle (SC52★)	Catalog 102
MS3454★	MIL-DTL-5015 Jam Nut Receptacle (SC54★)	Catalog 102
MS3456★	MIL-DTL-5015 Straight Plug (SC56★)	Catalog 102
MS3459★	MIL-DTL-5015 Self-Locking Straight Plug (SC59★)	Catalog 102
MS3470★	MIL-DTL-26482 Series 2 Wall Mount Receptacle (SC70★)	Catalog 202
MS3471★	MIL-DTL-26482 Series 2 In-Line Receptacle (SC71★)	Catalog 202
MS3472★	MIL-DTL-26482 Series 2 Box Mount Receptacle (SC72★)	Catalog 202
MS3474★	MIL-DTL-26482 Series 2 Jam Nut Receptacle (SC74★)	Catalog 202
MS3475★	MIL-DTL-26482 Series 2 EMI Straight Plug (SC75★)	Catalog 202
MS3476★	MIL-DTL-26482 Series 2 Straight Plug (SC76★)	Catalog 202
MS17343★	MIL-DTL-22992 Wall Mount Receptacle (SCP17343★)	Catalog 102
MS17344★	MIL-DTL-22992 Straight Plug (SCP17344★)	Catalog 102
MS17345★	MIL-DTL-22992 In-Line Receptacle (SCP17345★)	Catalog 102
MS17346★	MIL-DTL-22992 Box Mount Receptacle (SCP17346★)	Catalog 102
MS17347★	MIL-DTL-22992 Jam Nut Receptacle (SCP17347★)	Catalog 102
MS17348★	MIL-DTL-22992 Jam Nut Receptacle (SCP17348★)	Catalog 102
MS17349★	MIL-DTL-22992 Dust Cap for Receptacle (SCP17349★)	12D-3
MS17350★	MIL-DTL-22992 Dust Cap for Plug (SCP17350★)	12D-3
MS18062-★	MIL-DTL-22992 Dummy Receptacle (SCP18062-★)	12D-3
MS23747-★	Rubber Bushing	16D-4
MS25042-★	MIL-DTL-5015 Dust Cap for Plug (SCP25042-★)	12D-2
MS25043-★	MIL-DTL-5015 Dust Cap for Receptacle (SCP25043-★)	12D-2
MS25183-★	MIL-DTL-5015 Straight Plug (SCP06SJ★)	Catalog 102
MS25183A★	MIL-DTL-5015 Straight Plug (SCP06TJ★)	Catalog 102
MS25251-★	Sealing Plug	17D-5
MS27186-★	Sealing Plug	17D-5
MS27187-★	Sealing Plug	17D-6
MS27466★	MIL-DTL-38999 Series I Wall Mount Receptacle (SC1466★)	Catalog 202
MS27467★	MIL-DTL-38999 Series I Straight Plug (SC1467★)	Catalog 202
MS27468★	MIL-DTL-38999 Series I Jam Nut Receptacle (SC1468★)	Catalog 202
MS27469★	MIL-DTL-38999 Series I Hermetic Wall Mount Receptacle (SC1469★)	Catalog 202
MS27470★	MIL-DTL-38999 Series I Hermetic Jam Nut Receptacle (SC1470★)	Catalog 202
MS27471★	MIL-DTL-38999 Series I Hermetic Solder Mount Receptacle (SC1471★)	Catalog 202
MS27472★	MIL-DTL-38999 Series II Wall Mount Receptacle (SC2472★)	Catalog 202
MS27473★	MIL-DTL-38999 Series II Straight Plug (SC2473★)	Catalog 202
MS27474★	MIL-DTL-38999 Series II Jam Nut Receptacle (SC2474★)	Catalog 202
MS27475★	MIL-DTL-38999 Series II Hermetic Wall Mount Receptacle (SC2475★)	Catalog 202
MS27476★	MIL-DTL-38999 Series II Hermetic Box Mount Receptacle (SC2476★)	Catalog 202
MS27477★	MIL-DTL-38999 Series II Hermetic Jam Nut Receptacle (SC2477★)	Catalog 202
MS27478★	MIL-DTL-38999 Series II Hermetic Solder Mount Receptacle (SC2478★)	Catalog 202
MS27484★	MIL-DTL-38999 Series II EMI Straight Plug (SC2484★)	Catalog 202
MS27488★	Sealing Plug	17D-7

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MS27496★	MIL-DTL-38999 Series I Box Mount Receptacle (SC1496★)	Catalog 202
MS27497★	MIL-DTL-38999 Series II Wall Mount Receptacle (SC2497★)	Catalog 202
MS27499★	MIL-DTL-38999 Series II Box Mount Receptacle (SC2499★)	Catalog 202
MS27501★	MIL-DTL-38999 Series I Dust Cap for Plug (SC27501★)	12D-5
MS27502★	MIL-DTL-38999 Series I Dust Cap for Receptacle (SC27502★)	12D-5
MS27505★	MIL-DTL-38999 Series I Box Mount Receptacle (SC1505★)	Catalog 202
MS27508★	MIL-DTL-38999 Series II Box Mount Receptacle (SC2508★)	Catalog 202
MS27510★	MIL-DTL-38999 Series II Dust Cap for Plug (SC27510★)	12D-7
MS27511★	MIL-DTL-38999 Series II Dust Cap for Receptacle (SC27511★)	12D-7
MS27513★	MIL-DTL-38999 Series II Box Mount Receptacle (SC2513★)	Catalog 202
MS27656★	MIL-DTL-38999 Series I Wall Mount Receptacle (SC1656★)	Catalog 202
MS27662★	MIL-DTL-38999 Series I Thru-Bulkhead Receptacle (SC1662★)	Catalog 202
MS51007	MIL-DTL-5015 & MIL-DTL-22992 Flange Gasket for Receptacle	13D-4
MS52000	MIL-DTL-5015 & MIL-DTL-22992 Flange Gasket for Receptacle	13D-4
NAS1196★	Dummy Receptacle (SC1196★)	CS
P12-3800★	Pin Contact, Size 16	Catalog 102 & 302
P12-5100★	Pin Contact, Size 16S	Catalog 102 & 302
P12-6500★	Pin Contact, Size 12	Catalog 102 & 302
P12-7900★	Pin Contact, Size 8	Catalog 102 & 302
P12-8500★	Pin Contact, Size 4	Catalog 102 & 302
P12-9200★	Pin Contact, Size 1/0	Catalog 102 & 302
P32-1900-343	Pin Contact, Size 20 Solder	Catalog 202
P32-1902-343	Pin Contact, Size 20 Solder	Catalog 202
P32-3800-343	Pin Contact, Size 16 Solder	Catalog 202
P32-3802-343	Pin Contact, Size 16 Solder	Catalog 202
R12-2500★	Pin Contact, Size 18	Catalog 102 & 302
R12-3600★	Pin Contact, Size 16	Catalog 102 & 302
R12-3608★	Pin Contact, Size 16	Catalog 102 & 302
R12-3612★	Pin Contact, Size 16	Catalog 102 & 302
R12-3613★	Pin Contact, Size 16	Catalog 102 & 302
R12-3615★	Pin Contact, Size 16	Catalog 102 & 302
R12-3620★	Pin Contact, Size 16	Catalog 102 & 302
R12-3626★	Pin Contact, Size 16	Catalog 102 & 302
R12-4900★	Pin Contact, Size 16S	Catalog 102 & 302
R12-4912★	Pin Contact, Size 16S	Catalog 102 & 302
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R12-6400★	Pin Contact, Size 12	Catalog 102 & 302
R12-6408★	Pin Contact, Size 12	Catalog 102 & 302
R12-6412★	Pin Contact, Size 12	Catalog 102 & 302
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R12-6430★	Pin Contact, Size 12	Catalog 102 & 302
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R12-7900★	Pin Contact, Size 8	Catalog 102 & 302
R12-7915★	Pin Contact, Size 8	Catalog 102 & 302
R12-7918★	Pin Contact, Size 8	Catalog 102 & 302
R12-7926★	Pin Contact, Size 8	Catalog 102 & 302
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R12-8535★	Pin Contact, Size 4	Catalog 102 & 302
R12-8550★	Pin Contact, Size 4	Catalog 102 & 302
R12-8562★	Pin Contact, Size 4	Catalog 102 & 302
R12-9200★	Pin Contact, Size 1/0	Catalog 102 & 302
R12-9225★	Pin Contact, Size 1/0	Catalog 102 & 302
R12-9235★	Pin Contact, Size 1/0	Catalog 102 & 302
R12-9245★	Pin Contact, Size 1/0	Catalog 102 & 302
R12-9246★	Pin Contact, Size 1/0	Catalog 102 & 302
R12-9250★	Pin Contact, Size 1/0	Catalog 102 & 302

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R12-9275-★	Pin Contact, Size 1/0	Catalog 102 & 302
R12-9700-★	Pin Contact, Size 4/0	Catalog 102 & 302
R12-9715-★	Pin Contact, Size 4/0	Catalog 102 & 302
R12-9735-★	Pin Contact, Size 4/0	Catalog 102 & 302
R12-9790-★	Pin Contact, Size 4/0	Catalog 102 & 302
R32-1900-343	Pin Contact, Size 20 Crimp	Catalog 202
R32-1902-343	Pin Contact, Size 20 Crimp	Catalog 202
R32-3800-343	Pin Contact, Size 16 Crimp	Catalog 202
R32-3800-343	Pin Contact, Size 16 Crimp	Catalog 202
SOE19FB★	Panel Mount Receptacle	Catalog 302
SOE19FV★	In-Line Receptacle	Catalog 302
SOE19MP★	Panel Mount Plug	Catalog 302
SOE19MV★	Straight Plug	Catalog 302
S0X19FP★	Panel Mount Receptacle	Catalog 302
S0X19FV★	In-Line Receptacle	Catalog 302
S0X19MP★	Panel Mount Plug	Catalog 302
S0X19MV★	Straight Plug	Catalog 302
S12-3800-★	Socket Contact, Size 16	Catalog 102 & 302
S12-5100-★	Socket Contact, Size 16S	Catalog 102 & 302
S12-6500-★	Socket Contact, Size 12	Catalog 102 & 302
S12-7900-★	Socket Contact, Size 8	Catalog 102 & 302
S12-8500-★	Socket Contact, Size 4	Catalog 102 & 302
S12-9200-★	Socket Contact, Size 1/0	Catalog 102 & 302
S32-1900-343	Socket Contact, Size 20 Solder	Catalog 202
S32-1902-343	Socket Contact, Size 20 Solder	Catalog 202
S32-3800-343	Socket Contact, Size 16 Solder	Catalog 202
S32-3802-343	Socket Contact, Size 16 Solder	Catalog 202
SC30★	Wall Mount Receptacle	Catalog 102
SC31★	In-Line Receptacle	Catalog 102
SC32★	Box Mount Receptacle	Catalog 102
SC33★	Box Mount Receptacle, Threaded Rear Skirt	Catalog 102
SC34★	Jam Nut Receptacle	Catalog 102
SC36★	Straight Plug	Catalog 102
SC37★	Self-Locking Straight Plug	Catalog 102
SC38★	90 Degree Plug	Catalog 102
SC39★	45 Degree Plug	Catalog 102
SC50★	Wall Mount Receptacle	Catalog 102
SC51★	In-Line Receptacle	Catalog 102
SC52★	Box Mount Receptacle	Catalog 102
SC54★	Jam Nut Receptacle	Catalog 102
SC56★	Straight Plug	Catalog 102
SC59★	Self-Locking Straight Plug	Catalog 102
SC70★	Wall Mount Receptacle	Catalog 202
SC71★	In-Line Receptacle	Catalog 202
SC72★	Box Mount Receptacle	Catalog 202
SC74★	Jam Nut Receptacle	Catalog 202
SC75★	EMI Straight Plug	Catalog 202
SC76★	Straight Plug	Catalog 202
SC308C109P	Plug, 9 Size 20 Pin Crimp Contacts	Catalog 202
SC308C109P-F0	Plug, 9 Size 20 Pin Less Contacts	Catalog 202
SC308C109S	Receptacle, 9 Size 20 Socket Crimp Contacts	Catalog 202
SC308C109S-F0	Receptacle, 9 Size 20 Socket Less Contacts	Catalog 202
SC308C115P	Plug, 15 Size 22 Pin Crimp Contacts	Catalog 202
SC308C115P-F0	Plug, 15 Size 22 Pin Less Contacts	Catalog 202
SC308C115S	Receptacle, 15 Size 22 Socket Crimp Contacts	Catalog 202
SC308C115S-F0	Receptacle, 15 Size 22 Socket Less Contacts	Catalog 202
SC308C215P	Plug, 15 Size 20 Pin Crimp Contacts	Catalog 202
SC308C215P-F0	Plug, 15 Size 20 Pin Less Contacts	Catalog 202
SC308C215S	Receptacle, 15 Size 20 Socket Crimp Contacts	Catalog 202
SC308C215S-F0	Receptacle, 15 Size 20 Socket Less Contacts	Catalog 202
SC308C226P	Plug, 26 Size 22 Pin Crimp Contacts	Catalog 202
SC308C226P-F0	Plug, 26 Size 22 Pin Less Contacts	Catalog 202
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★ Indicates additional alpha-numerics are required to complete part numbers.

CS Contact our Sales Department for information on this part.

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SC308C344S-F0	Receptacle, 44 Size 22 Socket Less Contacts	Catalog 202
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SC308C437P-F0	Plug, 37 Size 20 Pin Less Contacts	Catalog 202
SC308C437S	Receptacle, 37 Size 20 Socket Crimp Contacts	Catalog 202
SC308C437S-F0	Receptacle, 37 Size 20 Socket Less Contacts	Catalog 202
SC308C462P	Plug, 62 Size 22 Pin Crimp Contacts	Catalog 202
SC308C462P-F0	Plug, 62 Size 22 Pin Less Contacts	Catalog 202
SC308C462S	Receptacle, 62 Size 22 Socket Crimp Contacts	Catalog 202
SC308C462S-F0	Receptacle, 62 Size 22 Socket Less Contacts	Catalog 202
SC308C550P	Plug, 50 Size 20 Pin Crimp Contacts	Catalog 202
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SC723/59-1-★	MIL-DTL-83723 Series III Threaded Coupling Dust Cap for Plug	12D-9
SC723/59-2-★	MIL-DTL-83723 Series III Dust Cap for Plug Bayonet Coupling	12D-8
SC723/60-1-★	MIL-DTL-83723 Series III Dust Cap for Receptacle Threaded Coupling	12D-9
SC723/60-2-★	MIL-DTL-83723 Series III Dust Cap for Receptacle Bayonet Coupling	12D-8
SC723/61-1-★	MIL-DTL-83723 Series III Dummy Receptacle Threaded Coupling	12D-9
SC723/61-2-★	MIL-DTL-83723 Series III Dummy Receptacle Bayonet Coupling	12D-8
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SC1196★	Dummy Receptacle (NAS1196)	CS
SC1466★	Wall Mount Receptacle	Catalog 202
SC1467★	EMI Straight Plug	Catalog 202
SC1468★	Jam Nut Receptacle	Catalog 202
SC1469★	Hermetic Wall Mount Receptacle	Catalog 202
SC1470★	Hermetic Jam Nut Receptacle	Catalog 202
SC1471★	Hermetic Solder Mount Receptacle	Catalog 202
SC1496★	Box Mount Receptacle	Catalog 202
SC1498★	90° Degree Plug	Catalog 202
SC1505★	Box Receptacle, Rear Panel Mount	Catalog 202
SC1656★	Wall Mount Receptacle, Rear Panel Mount	Catalog 202
SC1662★	Thru-Bulkhead Receptacle	Catalog 202
SC2001★	In-Line Receptacle	Catalog 202
SC2472★	Wall Mount Receptacle	Catalog 202
SC2473★	Straight Plug	Catalog 202
SC2474★	Jam Nut Receptacle	Catalog 202
SC2475★	Hermetic Wall Mount Receptacle	Catalog 202
SC2476★	Hermetic Box Mount Receptacle	Catalog 202
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SC2478★	Hermetic Solder Mount Receptacle	Catalog 202
SC2484★	EMI Straight Plug	Catalog 202
SC2497★	Wall Mount Receptacle	Catalog 202
SC2499★	Box Mount Receptacle	Catalog 202
SC2500★	90 Degree Plug	Catalog 202
SC2508★	Box Mount Receptacle	Catalog 202
SC2513★	Box Mount Receptacle	Catalog 202
SC3135★	Dummy Receptacle	CS
SC3185-★-1	Straight Potting Boot	7D-5
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SC3186★	MIL-DTL-5015 MIL-DTL-26482, MIL-DTL-38999 Hexagonal Mounting Nut	14D-3
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SC3920★	Wall Mount Receptacle	Catalog 202
SC3921★	Hermetic Box Mount Receptacle	Catalog 202
SC3923★	Hermetic Jam Nut Receptacle	Catalog 202
SC3924★	Jam Nut Receptacle	Catalog 202
SC3925★	Hermetic Solder Mount Receptacle	Catalog 202
SC3926★	Straight Plug	Catalog 202

★ Indicates additional alpha-numerics are required to complete part numbers.

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SC3927★	Weld Mount Receptacle	Catalog 202
SC14089-★	SCPDM, SCPDS Series Non-Environmental Dummy Receptacle	CS
SC14090-★	SCPDM, SCPDS Series Environmental Dummy Receptacle	CS
SC27501-★	Dust Cap for Plug (MS27501)	12D-5
SC27502-★	Dust Cap for Receptacle (MS27502)	12D-5
SC27510-★	Dust Cap for Plug (MS27510)	12D-6
SC27511-★	Dust Cap for Receptacle (MS27511)	12D-6
SC30825-★	D-Subminiature Male Screwlock	Catalog 202
SC30826-★	D-Subminiature Female Screwlock	Catalog 202
SC99909-★	Dummy Receptacle (M38999/9)	12D-7
SC99910-★	Dummy Receptacle (M38999/10)	12D-7
SC99922-★	Dummy Receptacle (D38999/22)	12D-7
SC99928★	Hexagonal Mounting Nut	14D-2
SC99932-★	Dust Cap for Plug (D38999/32)	12D-7
SC99933-★	Dust Cap for Receptacle (D38999/33)	12D-7
SC117975-★	Dummy Receptacle	CS
SC229468★	Rubber Bushing	16D-5
SC229469★	Rubber Bushing	16D-6
SCB02T★	Reverse Bayonet Dust Cap for Receptacle (SCPB★TF)	12D-10
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SCP0005-007-000	Pin Contact, Size 20	Catalog 202
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SCP0005-052-000	Pin Contact, Size 12	Catalog 202
SCP0007-007-000	Socket Contact, Size 20	Catalog 202
SCP0007-009-000	Socket Contact, Size 20	Catalog 202
SCP0007-014-000	Socket Contact, Size 16	Catalog 202
SCP0007-014-001	Socket Contact, Size 16	Catalog 202
SCP0007-065-000	Socket Contact, Size 12	Catalog 202
SCP00★	Wall Mount Receptacle	Catalog 102
SCP01★	In-Line Receptacle	Catalog 102
SCP02★	Box Mount Receptacle	Catalog 102
SCP03★	Jam Nut Receptacle Less Rear Threads	Catalog 102
SCP04★	Jam Nut Receptacle	Catalog 102
SCP05★	Panel Mount Plug	Catalog 102
SCP06★	Straight Plug	Catalog 102
SCP07★	Quick Disconnect Plug	Catalog 102
SCP08★	90° Degree Plug	Catalog 102
SCP09★	Box Mount Receptacle with PC Tails	Catalog 102
SCP106-001-000	Coaxial Pin Contact	Catalog 202
SCP106-003-000	Coaxial Pin Contact	Catalog 202
SCP107-001-000	Coaxial Socket Contact	Catalog 202
SCP107-003-000	Coaxial Socket Contact	Catalog 202
SCP200-12/30-★	Socket Contact, Size 12	Catalog 202
SCP200-16/30-★	Socket Contact, Size 16	Catalog 202
SCP720★-★	Wall Mount Receptacle	CS
SCP721★-★	In-Line Receptacle	CS
SCP722★-★	Box Mount Receptacle	CS
SCP726★-★	Straight Plug	CS
SCP728★-★	90 Degree Plug	CS
SCP729★-★	45 Degree Plug	CS
SCP749★	Cable Clamp	CS
SCP800-12/32★	Pin Contact, Size 12	Catalog 202
SCP800-16/32★	Pin Contact, Size 16	Catalog 202
SCP800-20/30★	Socket Contact, Size 20	Catalog 202
SCP800-20/32★	Pin Contact, Size 20	Catalog 202
SCP800/33-1	Coaxial Pin Contact	Catalog 202
SCP800/34-1	Coaxial Socket Contact	Catalog 202
SCP873★-★	Jam Nut Receptacle	Catalog 102
SCP874★-★	Jam Nut Receptacle	Catalog 102
SCP1070★-★	Wall Mount Receptacle	Catalog 102
SCP1071★-★	In-Line Receptacle	Catalog 102
SCP1072★-★	Box Mount Receptacle	Catalog 102
SCP1073★-★	Jam Nut Receptacle, Wall Mount	Catalog 102
SCP1074★-★	Thru-Bulkhead Receptacle	Catalog 102
SCP1076★-★	Straight Plug	Catalog 102
SCP1077★-★	Panel Mount Plug	Catalog 102

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SCP1940★	Wall Mount Receptacle	Catalog 102
SCP1941★	In-Line Receptacle	Catalog 102
SCP1942★	Box Mount Receptacle	Catalog 102
SCP1943★	Jam Nut Receptacle	Catalog 102
SCP1946★	Straight Plug	Catalog 102
SCP3105-★	Dummy Receptacle (MS3105)	12D-2
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SCP3180-★	Dust Cap for Plug (MS3180)	12D-4
SCP3181-★	Dust Cap for Receptacle (MS3181)	12D-4
SCP3182-★	Dust Cap for Plug	CS
SCP3183-★	Dust Cap for Receptacle	CS
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SCP4702-20-0056	Coaxial Pin Contact	Catalog 202
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SCP10750-★	Dummy Receptacle SWL Series	CS
SCP14089★	Dummy Receptacle	CS
SCP14090★	Dummy Receptacle	CS
SCP14946★	Lanyard Release Plug	Catalog 202
SCP17343★-★	Wall Mount Receptacle	Catalog 102
SCP17344★-★	Straight Plug	Catalog 102
SCP17345★-★	In-Line Receptacle	Catalog 102
SCP17346★-★	Box Mount Receptacle	Catalog 102
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SCP101063-★	Dust Cap for Receptacle	12D-11
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SCP101333-★	Environmental Cable Sealing Adapter	CS
SCP101334-★	Environmental Cable Sealing Adapter	CS
SCP101335-★	Environmental Cable Sealing Adapter	CS
SCP101531-★	Dust Cap for Plug	CS
SCP101949-★	Flange Gasket for Receptacle	13D-6
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SCP101951-★	Dust Cap for Receptacle	CS
SCP101955-★	Dust Cap for Plug	CS
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SCP113138-★	Environmental Adapter	CS
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SCPB01★	Reverse Bayonet In-Line Receptacle	Catalog 102
SCPB01FR★	Reverse Bayonet In-Line Receptacle	Catalog 102
SCPB02★	Reverse Bayonet Box Mount Receptacle	Catalog 102
SCPB03★	Reverse Bayonet Box Mount Receptacle	Catalog 102
SCPB05-★	Reverse Bayonet Dummy Receptacle	12D-10
SCPB06★	Reverse Bayonet Straight Plug	Catalog 102
SCPB07★	Reverse Bayonet Jam Nut Receptacle	Catalog 102
SCPB08★	Reverse Bayonet 90 Degree Plug	Catalog 102
SCPB020★	Reverse Bayonet Wall Mount Receptacle	Catalog 102
SCPB030★	Reverse Bayonet Wall Mount Receptacle	Catalog 102
SCPB038★	Reverse Bayonet 90 Degree Wall Mount Receptacle	Catalog 102

★ Indicates additional alpha-numerics are required to complete part numbers.

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SCPB064★	Reverse Bayonet Panel Mount Plug	Catalog 102
SCPB065★	Reverse Bayonet Straight Plug	Catalog 102
SCPB070★	Reverse Bayonet Jam Nut Receptacle	Catalog 102
SCPBFR★	Jam Nut Receptacle.	Catalog 102
SCPBH00★	Reverse Bayonet Wall Mount Plug.	Catalog 102
SCPBH01★	Reverse Bayonet In-Line Receptacle	Catalog 102
SCPBH02★	Reverse Bayonet Box Mount Plug	Catalog 102
SCPBH03★	Reverse Bayonet Wall Mount Plug.	Catalog 102
SCPBH06★	Reverse Bayonet Straight Plug	Catalog 102
SCPBH07★	Reverse Bayonet Jam Nut Receptacle	Catalog 102
SCPBH08★	Reverse Bayonet 90 Degree Receptacle.	Catalog 102
SCPBH020★	Reverse Bayonet Wall Mount Receptacle	Catalog 102
SCPBH030★	Reverse Bayonet Wall Mount Receptacle	Catalog 102
SCPBH038★	Reverse Bayonet 90 Degree Wall Mount Receptacle	Catalog 102
SCPBH064★	Reverse Bayonet Panel Mount Plug	Catalog 102
SCPBH065★	Reverse Bayonet Straight Plug.	Catalog 102
SCPBH070★	Reverse Bayonet Jam Nut Receptacle	Catalog 102
SCPBHFR★	Jam Nut Receptacle.	Catalog 102
SCPBS00★	Reverse Bayonet Wall Mount Receptacle	Catalog 102
SCPBS01★	Reverse Bayonet In-Line Receptacle	Catalog 102
SCPBS02★	Reverse Bayonet Box Mount Receptacle	Catalog 102
SCPBS03★	Reverse Bayonet Box Mount Receptacle	Catalog 102
SCPBS07★	Reverse Bayonet Jam Nut Receptacle	Catalog 102
SCPBS020★	Reverse Bayonet Wall Mount Receptacle	Catalog 102
SCPBS030★	Reverse Bayonet Wall Mount Receptacle	Catalog 102
SCPBS038★	Reverse Bayonet 90 Degree Wall Mount Receptacle	Catalog 102
SCPBS070★	Reverse Bayonet Jam Nut Receptacle	Catalog 102
SCPBSTB★	Reverse Bayonet Thru-Bulkhead Receptacle	Catalog 102
SCPBTB★	Reverse Bayonet Thru-Bulkhead Receptacle	Catalog 102
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SCPC01★	In-Line Receptacle	Catalog 202
SCPC02★	Box Mount Receptacle.	Catalog 202
SCPC03★	Wall Mount Receptacle Less Rear Hardware	Catalog 202
SCPC04★	In-Line Receptacle Less Rear Hardware.	Catalog 202
SCPC05★	Straight Plug Less Rear Hardware	Catalog 202
SCPC06★	Straight Plug	Catalog 202
SCPC07★	Jam Nut Receptacle.	Catalog 202
SCPC08★	90 Degree Plug	Catalog 202
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SCPDM9606★	Wall Mount Receptacle	Catalog 202
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SCPDM9608★	Jam Nut Receptacle with Strain Relief	Catalog 202
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SCPDM9610★	Wall Mount Receptacle, Cable Sealing.	Catalog 202
SCPDM9611★	Non-environmental Jam Nut Receptacle	Catalog 202
SCPDM9616★	Box Mount Receptacle.	Catalog 202
SCPDM9617★	Wall Mount Receptacle with Strain Relief	Catalog 202
SCPDM9619★	Wall Mount Receptacle with Conduit Adapter.	Catalog 202
SCPDM9620★	Jam Nut Receptacle with Conduit Adapter	Catalog 202
SCPDM9624★	In-Line Receptacle with Strain Relief.	Catalog 202
SCPDM9700★	Straight Plug	Catalog 202
SCPDM9701-★A	Dust Cap for Plug.	CS
SCPDM9701-★B	Dust Cap for Plug.	CS
SCPDM9702★	Straight Plug with Strain Relief	Catalog 202
SCPDM9703★	Lanyard Release Straight Plug	Catalog 202
SCPDM9705★	Straight Plug, Cable Sealing.	Catalog 202
SCPDM9708★	Straight Plug with Conduit Adapter	Catalog 202
SCPDM9717★	Lanyard Release Straight Plug with Strain Relief	Catalog 202
SCPDM9718★	Straight Plug with Knurled Coupling Nut.	Catalog 202
SCPDM9720★	Lanyard Release Straight Plug ,Smooth Coupling Nut	Catalog 202
SCPDM9728★	Straight Plug, with Strain Relief, Knurled Coupling Nut	Catalog 202
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SCPDS17942★	Lanyard Release Straight Plug	Catalog 202
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SCPT01★	In-Line Receptacle	Catalog 202
SCPT02★	Box Mount Receptacle	Catalog 202
SCPT03★	Wall Mount Receptacle Less Rear Hardware	Catalog 202
SCPT04★	In-Line Receptacle Less Rear Hardware	Catalog 202
SCPT05★	Straight Plug Less Rear Hardware	Catalog 202
SCPT06★	Straight Plug	Catalog 202
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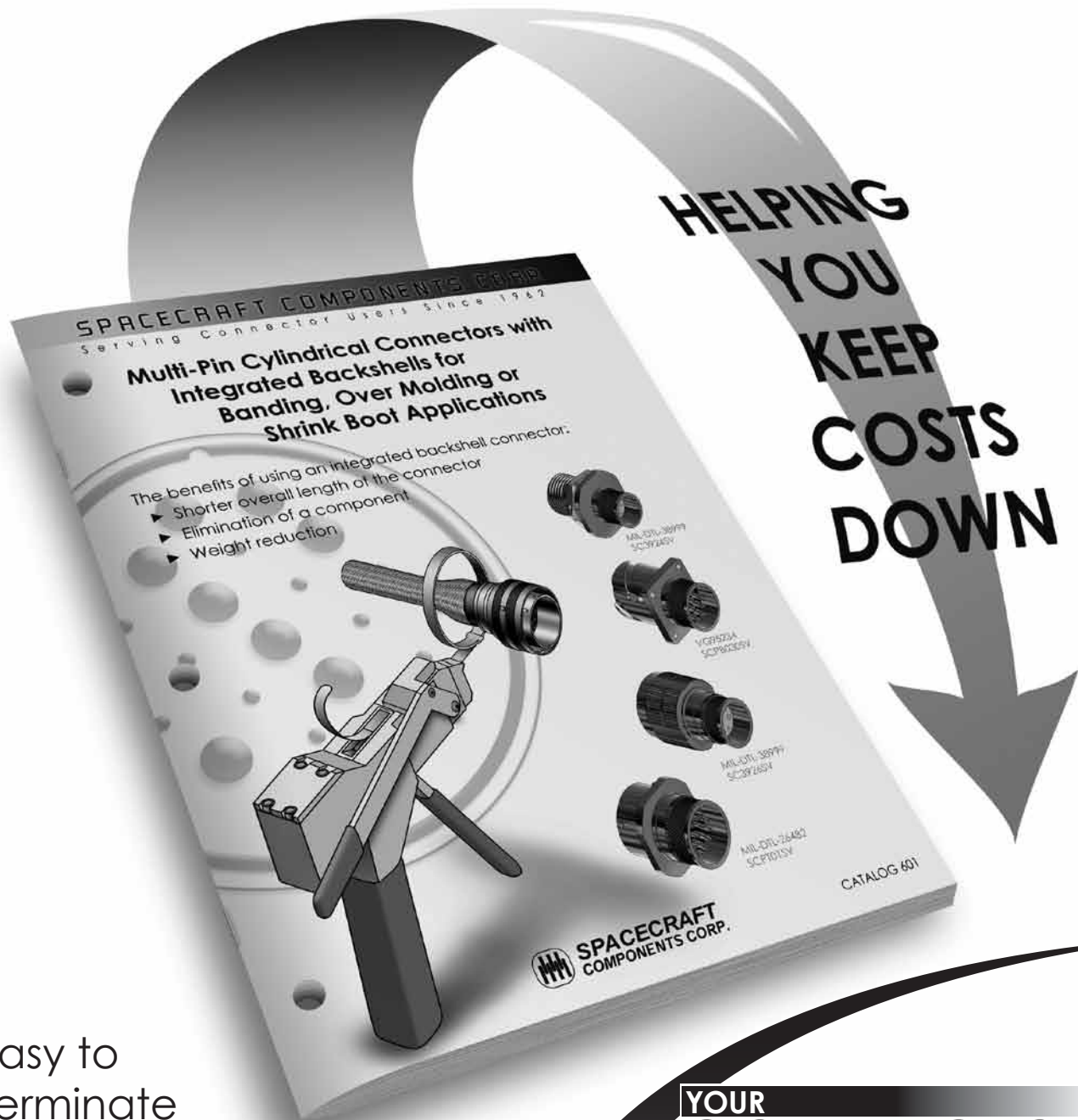
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214L0002	1/4" Band, Coiled (SCPSE02C)	8D-34
248-8501-000	Reverse Bayonet Dummy Receptacle (SCPB05-10SL)	12D-10
248-8502-000	Reverse Bayonet Dummy Receptacle (SCPB05-12S)	12D-10
248-8503-000	Reverse Bayonet Dummy Receptacle (SCPB05-14S)	12D-10
248-8504-000	Reverse Bayonet Dummy Receptacle (SCPB05-16S)	12D-10
248-8505-000	Reverse Bayonet Dummy Receptacle (SCPB05-16)	12D-10
248-8506-000	Reverse Bayonet Dummy Receptacle (SCPB05-18)	12D-10
248-8507-000	Reverse Bayonet Dummy Receptacle (SCPB05-20)	12D-10
248-8508-000	Reverse Bayonet Dummy Receptacle (SCPB05-22)	12D-10
248-8509-000	Reverse Bayonet Dummy Receptacle (SCPB05-24)	12D-10
248-8510-000	Reverse Bayonet Dummy Receptacle (SCPB05-28)	12D-10
248-8511-000	Reverse Bayonet Dummy Receptacle (SCPB05-32)	12D-10
248-8512-000	Reverse Bayonet Dummy Receptacle (SCPB05-36)	12D-10
248-8513-000	Reverse Bayonet Dummy Receptacle (SCPB05FF10SL)	12D-10
248-8514-000	Reverse Bayonet Dummy Receptacle (SCPB05FF12S)	12D-10
248-8515-000	Reverse Bayonet Dummy Receptacle (SCPB05FF14S)	12D-10
248-8516-000	Reverse Bayonet Dummy Receptacle (SCPB05FF16S)	12D-10
248-8517-000	Reverse Bayonet Dummy Receptacle (SCPB05FF16)	12D-10
248-8518-000	Reverse Bayonet Dummy Receptacle (SCPB05FF18)	12D-10
248-8519-000	Reverse Bayonet Dummy Receptacle (SCPB05FF20)	12D-10
248-8520-000	Reverse Bayonet Dummy Receptacle (SCPB05FF22)	12D-10
248-8521-000	Reverse Bayonet Dummy Receptacle (SCPB05FF24)	12D-10
248-8522-000	Reverse Bayonet Dummy Receptacle (SCPB05FF28)	12D-10
248-8523-000	Reverse Bayonet Dummy Receptacle (SCPB05FF32)	12D-10
248-8524-000	Reverse Bayonet Dummy Receptacle (SCPB05FF36)	12D-10
600-083-1	Mini Band, Coiled (SCPBE03C)	8D-34
600-083	Mini Band, Flat (SCPBE03F)	8D-34
600-057-1	Mini Band, Coiled (SCPBE04C)	8D-34
600-057	Mini Band, Flat (SCPBE04F)	8D-34
600-052-1	1/4" Band, Coiled (SCPBE02C)	8D-34
600-052	1/4" Band, Flat (SCPBE02F)	8D-34
907-10★	Crimp Adapter for Wire Size Larger than Contact	18D-4
907-2★	Crimp Adapter for Wire Size Smaller than Contact	18D-2
930-★ Series	Gaskets for Square Flange Receptacles	13D-2
14089★	Dummy Receptacle (SC14089★)	CS
14090★	Dummy Receptacle SC14090★)	CS

★ Indicates additional alpha-numerics are required to complete part numbers.
CS Contact our Sales Department for information on this part.

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One-third turn reverse bayonet coupling with solder or crimp contacts. Shells in aluminum, brass or stainless steel.

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DuraLock
(SCP839)
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Double-start threaded coupling with 5 keyways. Available with crimp or solder contacts and shells in aluminum or stainless steel.

PCB Connectors
MIL-DTL-5015, 22992, 26482 & 38999 Configurations



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Termination Bands
M85049/128



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KwikSnap SCTAC



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