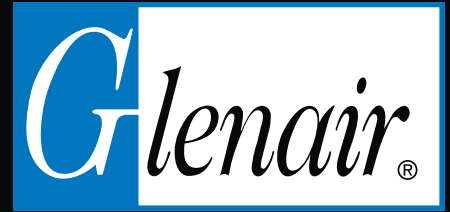


MISSION-CRITICAL
**INTERCONNECT
SOLUTIONS**



SUBMARINE AND BELOW-DECK

Shipboard EMC Conduit Systems and Fittings

Qualified Components IAW Handbook of Shipboard
Electromagnetic Shielding Practices (S9407-AB-HBK-010)

NOVEMBER 2020



SUBMARINE AND BELOW-DECK Shipboard EMC Conduit and Fittings

Qualified Components IAW Handbook of Shipboard Electromagnetic Shielding Practice



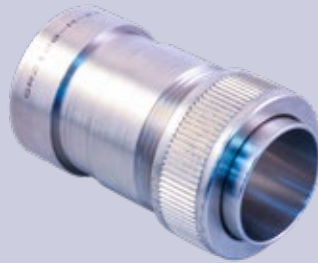
Glenair is one of the only suppliers of EMC wire protection conduit systems built in accordance with S9407-AB-HBK-010. These ruggedized interconnect fittings, connector adapters, and feed-thrus are utilized in the installation of electrical cables, cableways, and shielding associated with electrical and electronic systems installed aboard submarines, in below-deck areas of surface ships, and in many shore-based installations. The flexible metal-core conduit combined with braze-on and user-installable fittings enhance electromagnetic compatibility (EMC) of shipboard wiring systems. Electromagnetic Compatibility (EMC) is a major consideration during ship design and equipment installation because without EMC the warfare capacity of Navy ships is seriously reduced.

This catalog is intended for use by ship designers, work planners, and personnel engaged in the installation of electrical and electronic cables and equipment for new ship construction, SHIPALT installation and repair at shipyards, tenders and other activities.

- **US Navy-qualified conduit fittings and flexible metal-core conduit**
- **GR2000 braze-on type feed-thrus, transitions, and bulkhead penetrators**
- **RP2000 conduit fittings and adapters designed for on-site termination and assembly**
- **Qualified grounding clamps and ground straps IAW M24749**

S9407-AB-HBK-010 Conduit Systems for Shipboard Electromagnetic Shielding Product Selection Guide



	GR2000 Series Fittings Fittings, couplers, and adapters for shipboard conduit systems, Braze-on type	page 4	GR2000
	RP2000 Series Fittings Fittings, couplers, and adapters for shipboard conduit systems. Reusable type.	page 15	RP2000
	Flexible Metal-Core Conduit Type 1 with braided shielding, Type 2 with shield and rubber jacket	page 38	METAL-CORE CONDUIT
	Grounding Clamp and Grounding Straps Grounding clamp with lug for shipboard conduit, M24749 qualified ground straps	page 42	GROUNDING CLAMPS AND STRAPS
	AutoShrink cold-shrink tubing, Piggyback Boot Adapters, ProSeal protective covers, and other wire protection technologies Showcase of QPL and Glenair Signature technologies for wire protection, electromagnetic shielding and more.	page 44	WIRE PROTECTION

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
GR2000- and RP2000- Conduit fittings, Navy qualification letter



S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
Flexible Shielding Conduit, Navy qualification letter



 **DEPARTMENT OF THE NAVY**
NAVAL UNDERSEA WARFARE CENTER DIVISION
1176 HOWELL STREET
NEWPORT RI 02841-1708



RECEIVED
FEB 27 1995
GLENAIR, INC

NAVAL UNDERSEA WARFARE CENTER DETACHMENT, NEW LONDON
39 SMITH STREET
NEW LONDON CT 06320-5594

IN REPLY REFER TO:
5600
Ser 53431/21
FEB 24 1995

From: Commander, Naval Undersea Warfare Center Division, Newport
To: Glenair, Inc., (R. Hays), 1211 Air Way, Glendale, CA 91202-2497

Subj: REQUEST FOR QUALIFICATION OF FITTINGS

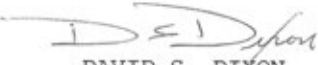
Ref: (a) Handbook of Shipboard Electromagnetic Shielding Practices, NAVSEA S9407-AB-HBK-010, Revision 1, of 30 September 89
(b) Glenair letter to NUWC, Code 3431 of 10 November 94
(c) NUWC Memo 44211L/119 of 2 December 94

1. In accordance with the requirements of reference (a), Glenair, Inc., submitted reference (b) in order to become a qualified parts vendor for the GR2120, GR2123, GR2124, GR2125, RP2100-, and RP2200-series fittings.

2. The samples forwarded by reference (b) were tested by Naval Undersea Warfare Center, Detachment New London, Code 44211, in accordance with the requirements of reference (a). The results of these tests were forwarded within reference (c) and indicate compliance with the standards of reference (a).

3. Based on these results Glenair, Inc. is now considered a qualified vendor for all GR2000- series and RP2000- series fittings.

4. Any questions concerning this can be directed to M. Carpenter at (203) 440-4625.


DAVID S. DIXON
By direction

Copy to:
NAVSEA 03K2 J. Juras
NAVSEA 03K23 R. Bradley

 **DEPARTMENT OF THE NAVY**
NAVAL UNDERSEA WARFARE CENTER DIVISION
1176 HOWELL STREET
NEWPORT RI 02841-1708

IN REPLY REFER TO:
3960
Ser 83431/76
26 OCT 1998

From: Commander, Naval Undersea Warfare Center Division, Newport
To: Commander, Naval Sea Systems Command, (J. Juras, SEA 03K2), 2531 Jefferson Davis Hwy, Arlington, VA 22242-5160

Subj: **REQUEST FOR QUALIFICATION OF FLEXIBLE SHIELDING CONDUIT**

Ref: (a) Handbook of Shipboard Electromagnetic Shielding Practices, NAVSEA S9407-AB-HBK-010, Revision 2, of 30 December 96
(b) Glenair letter to NUWC DIVNPT, Code 3431 of 3 September 98

Encl: (1) Revised Table C-2 Flexible Shielding Conduit

1. In accordance with the requirements of reference (a), Glenair, Inc. submitted reference (b) in order to become a qualified parts vendor for Flexible Shielding Conduit. This letter included a qualification test report as well as a flexible metal conduit sample.

2. The qualification test report was reviewed and the flexible metal conduit sample was tested for shielding effectiveness. The data provided in the qualifications test report and the results obtained from the NUWC DIVNPT test of the conduit sample indicate compliance with the standards of reference (a).

3. Based on the results, Glenair, Inc. is now considered a qualified vendor for Flexible Shielding Conduit. Enclosure (1) is a modification of table C-2 of reference (a), including the Glenair part numbers for Flexible Shielding Conduit.

4. Any questions concerning this matter can be directed to Mr. Michael Carpenter at (401) 832-5540.


CRAIG E. DEREWIANY
By direction

Copy to:
NAVSEA (R. Bradley, SEA 03K23)
Glenair, Inc. (R. Hays)

Copy to:
343
3431
3431 (Carpenter)
341fs

Writer: M. Carpenter, 3431, x25540, Bldg 1319
Typist: N. Dufresne, 341fs, x25599, Bldg 1319
Date: 8 Oct 98

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
GR2120 Transition Fitting

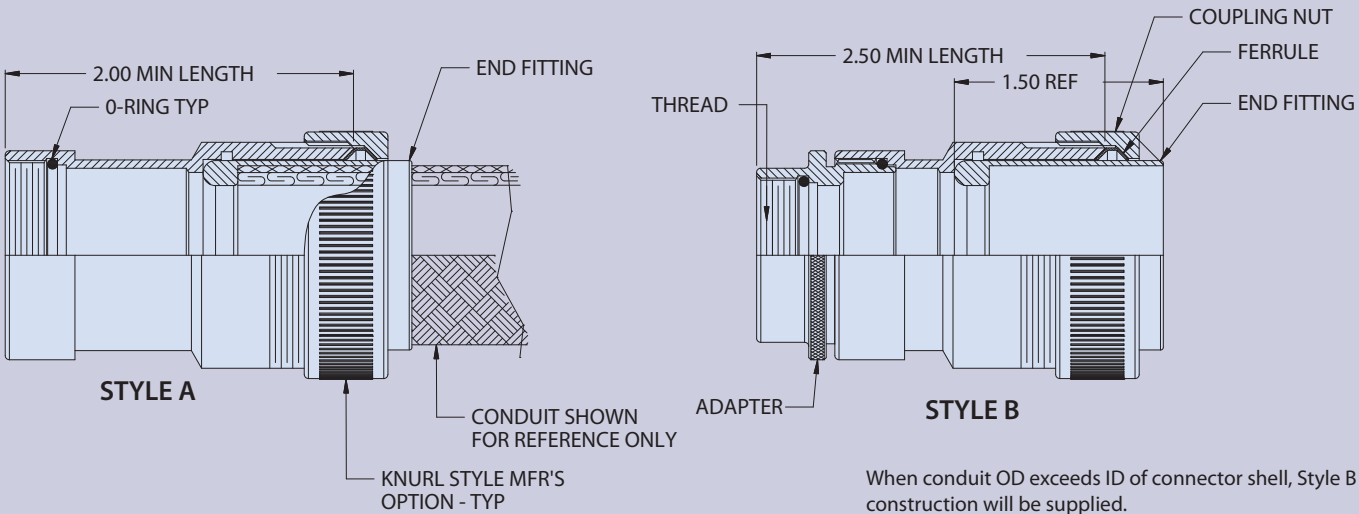


GR2000

TRANSITION FITTING FOR MIL-DTL-5015 CONNECTORS IAW S9407-AB-HBK-010 REV 2, GR2120



How To Order							
Sample Part Number		GR2120	-M	-12	-EM08	-2.5	SN
Basic Part Number	Conduit Fitting for M5015 connectors						
Connector Symbol	Symbol	Mfr.	Class	Description			
	H	Amphenol	A	MS3100, MS3101, MS3106, 97-3100, 97-3101, 97-3106			
	J	Amphenol	E, R	MS3100, MS3101, MS3106, 69-3100, 69-3101, 69-3106			
	L	Bendix	A, E, R	MS3100, MS3101, MS3106, 10-214, 10-720, 10-726			
	M	Cannon	A	MS3100, MS3101, MS3106			
	N	Cannon	E, R	MS3100, MS3101, MS3106, (CA01, CA06)			
Connector Shell Size	8S, 8, 10S, 10SL, 12S, 14S, 16S, 12, 14, 16, 18, 20, 22, 24, 28, 32, 36, 40, 44, 48. See sales drawing for specifics						
Conduit Part No.	EM02, EM03, EM04, EM05, EM06, EM08, EM10, EM12, EM16, EM20, EM24. See sales drawing for full dimensional details..						
Body / Adapter Length	In inches. Std. min. length = 2" (one-piece/style A); 2.5" (two-piece/style B)						
Material / Finish	SN = mild steel with cadmium over electroless nickel finish Omit = mild steel with electroless nickel finish IAW AMS 2404C						

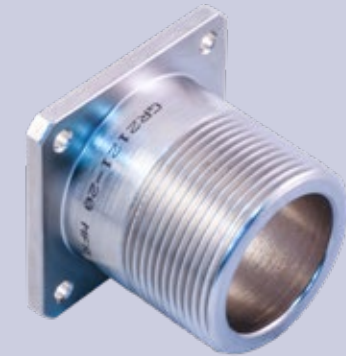


MATERIAL / FINISH

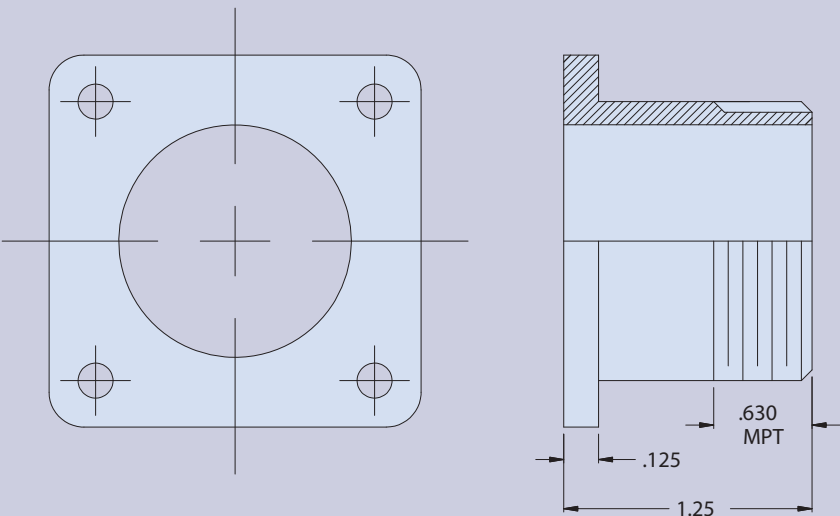
Adaper, Body, Ferrule, Nut - Mild Steel AISI Type B1113 IAW Fed-STD-66
End Fitting - 300 Series SST / Passivated
O-Ring - Nitrile/Buna-N

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
GR2121 Enclosure Fitting

ENCLOSURE FITTING FOR MIL-DTL-5015 CONNECTORS IAW S9407-AB-HBK-010 REV 2, GR2121



How To Order			
Sample Part Number		GR2121	-28 SN
Basic Part Number	Enclosure Fitting for M5015 connectors		
Connector Shell Size	8S, 10S, 10SL, 12S, 14S, 16S, 18, 20, 22, 24, 28, 32, 36, 40, 44, 48. See sales drawing for full dimensional details..		
Material / Finish	SN = mild steel with cadmium over electroless nickel finish SM = mild steel with electroless nickel finish IAW AMS 2404C (Finish symbol "no suffix" is for legacy parts, superseded by "SM")		



MATERIAL / FINISH

Mild Steel AISI Type B1113 IAW Fed-STD-66

GR2000

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding

GR2122 90° Elbow adapter to M5015 connector

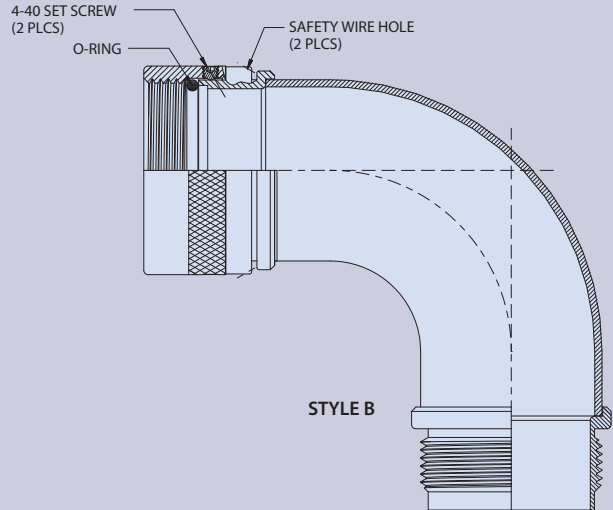
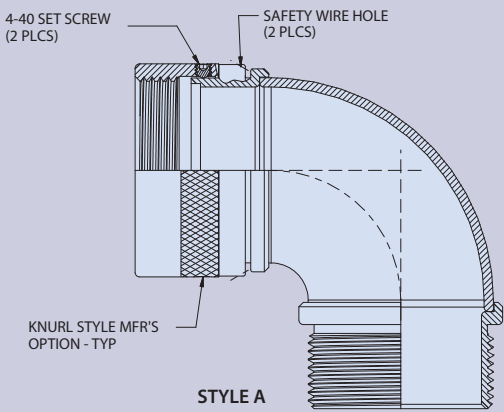


GR2000

90° ELBOW, NON-ENVIRONMENTAL FOR MIL-DTL-5015 CONNECTORS
IAW S9407-AB-HBK-010 REV 2, GR2122



How To Order			
Sample Part Number		GR2122	-101 SN
Basic Part Number	Conduit Fitting for M5015 connectors		
Part Number / Shell Size	See table below. See sales drawing for full dimensional details.		
Material / Finish	SN = mild steel with cadmium over electroless nickel finish SM = mild steel with electroless nickel finish IAW AMS 2404C (Finish symbol "no suffix" is for legacy parts, superseded by "SM")		



Part Number and Shell Size matrix: Style A			
Part No.	Shell Size	Part No.	Shell Size
GR2122-101	10S	GR2122-242	24
GR2122-121	12S	GR2122-281	28
GR2122-131	12	GR2122-282	28
GR2122-141	14S	GR2122-321	32
GR2122-151	14	GR2122-322	32
GR2122-161	16S	GR2122-361	36
GR2122-171	16	GR2122-362	36
GR2122-181	18	GR2122-401	40
GR2122-201	20	GR2122-402	40
GR2122-202	20	GR2122-441	44
GR2122-221	22	GR2122-481	48
GR2122-222	22	GR2122-482	48
GR2122-241	24		

Part Number and Shell Size matrix: Style B					
Part No.	Shell Size	Conn. Sym.	Part No.	Shell Size	Conn. Sym.
GR2122-081E	8S	L	GR2122-203E	20	J
GR2122-082E	8S	H	GR2122-201E	20	HLMN
GR2122-083E	8S	JMN	GR2122-221E	22	HJLMN
GR2122-101E	10S	HJLN	GR2122-241E	24	HJLMN
GR2122-102E	10S	M	GR2122-281E	28	HJLMN
GR2122-103E	10SL	MN	GR2122-321E	32	LMN
GR2122-104E	10SL	HJL	GR2122-323E	32	HJ
GR2122-121E	12S	LN	GR2122-361E	36	L
GR2122-122E	12S	HJM	GR2122-363E	36	J
GR2122-123E	12SL	H	GR2122-364E	36	MN
GR2122-141E	14S	HJLMN	GR2122-365E	36	H
GR2122-161E	16S	HJLMN	GR2122-403E	40	L
GR2122-132E	12	LN	GR2122-404E	40	HMN
GR2122-133E	12	NM	GR2122-442E	44	HN
GR2122-151E	14	HLMN	GR2122-483E	48	N
GR2122-171E	16	HJLMN	GR2122-484E	48	H
GR2122-181E	18	HJLMN			

MATERIAL / FINISH

Adaper, Elbow, and Coupling Nut - Mild Steel AISI Type B1113 IAW Fed-STD-66
Hardware CRES / passivate • O-Ring - Nitrile / Buna N

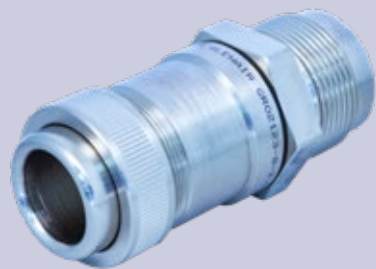
NOTE

Amphenol, Bendix, and Cannon "A" Class connectors, and Shell Size "10SL" of Cannon "E" and "R" class connectors should not be selected for environmental assemblies

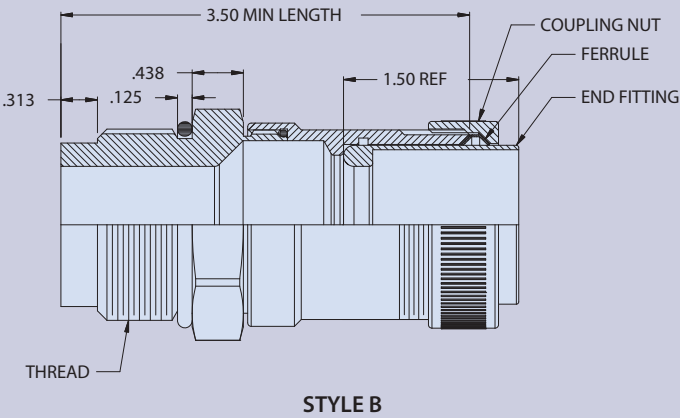
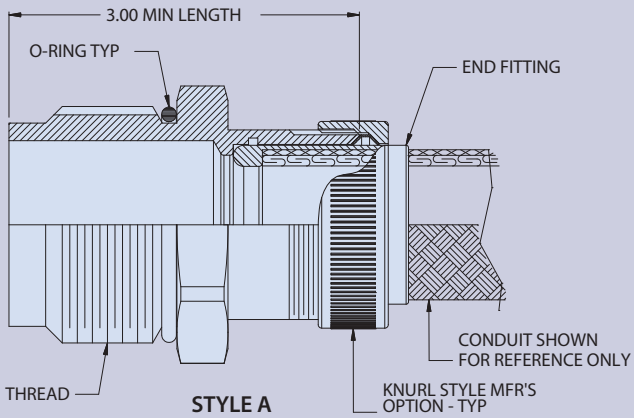
S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding

GR2123 Transition Fitting

TRANSITION FITTING FOR BULKHEAD STUFFING TUBE IAW S9407-AB-HBK-010 REV 2, GR2123



How To Order					
Sample Part Number		GR2123	-2	-3.5	-EM04 SN
Basic Part Number	Transition fitting for bulkhead stuffing tube				
Dash No.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19. See sales drawing for full dimensional details.				
Body / Adapter Length	In inches. Std. min. length = 3" (one-piece/style A); 3.5" (two-piece/style B)				
Conduit Part No.	EM02, EM03, EM04, EM05, EM06, EM08, EM10, EM12, EM16, EM20, EM24				
Material / Finish	SN = mild steel with cadmium over electroless nickel finish Omit = mild steel with electroless nickel finish IAW AMS 2404C				



MATERIAL / FINISH

Adaper, Body, Ferrule, Nut - Mild Steel AISI Type B1113 IAW Fed-STD-66
End Fitting - 300 Series SST / Passivated
O-Ring - Nitrile/Buna-N

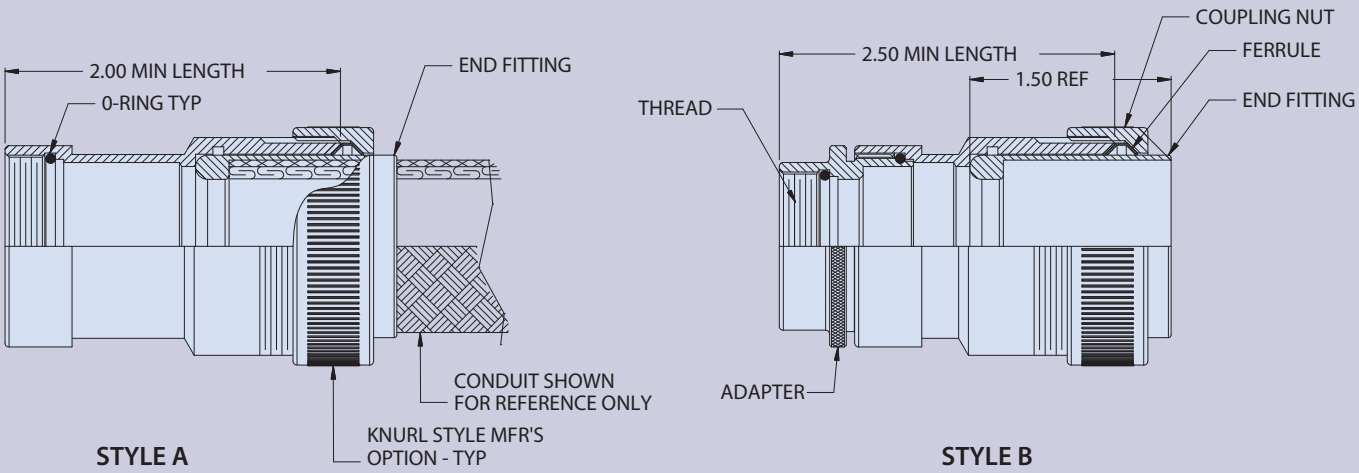
GR2000

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
GR2124 Transition Fitting



TRANSITION FITTING FOR MS SERIES BACKSHELL IAW S9407-AB-HBK-010 REV 2, GR2124

How To Order					
Sample Part Number	GR2124	-3	-EM08	-2.5	SN
Basic Part Number	Transition fitting for MS series backshell				
Dash No.	3, 4, 6, 8, 10, 12, 16, 20, 24, 28, 32, 40. See sales drawing for full dimensional details.				
Conduit Part No.	EM02, EM03, EM04, EM05, EM06, EM08, EM10, EM12, EM16, EM20, EM24				
Body / Adapter Length	In inches. Std. min. length = 2" (one-piece/style A); 2.5" (two-piece/style B)				
Material / Finish	SN = mild steel with cadmium over electroless nickel finish Omit = mild steel with electroless nickel finish IAW AMS 2404C				



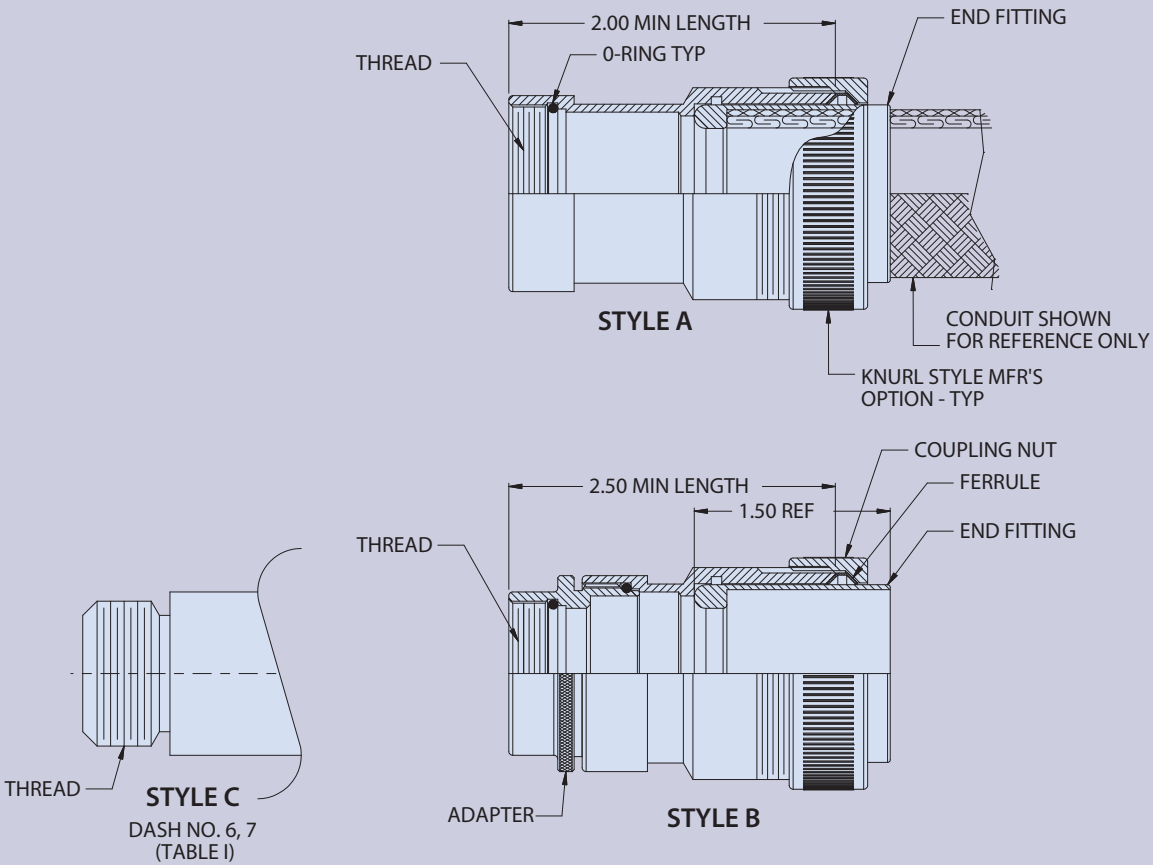
MATERIAL / FINISH

Adaper, Body, Ferrule, Nut - Mild Steel AISI Type B1113 IAW Fed-STD-66
End Fitting - 300 Series SST / Passivated
O-Ring - Nitrile/Buna-N

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
GR2125 Transition Fitting

TRANSITION FITTING FOR TRIAXIAL CONNECTOR IAW S9407-AB-HBK-010 REV 2, GR2125

How To Order					
Sample Part Number	GR2125	-4	-EM02	-2.5	SN
Basic Part Number	Transition fitting for Triaxial connector				
Dash No.	4, 5, 6, 7. See sales drawing for full dimensional details.				
Conduit Part No.	EM02, EM03, EM04, EM05, EM06, EM08, EM10, EM12, EM16, EM20, EM24				
Body / Adapter Length	In inches. Std. min. length = 2" (one-piece/style A); 2.5" (two-piece/style B)				
Material / Finish	SN = mild steel with cadmium over electroless nickel finish Omit = mild steel with electroless nickel finish IAW AMS 2404C				



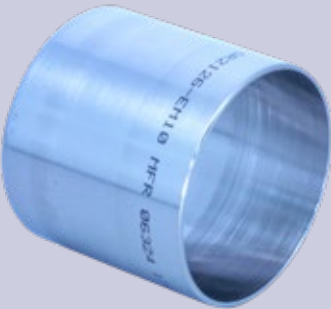
MATERIAL / FINISH

Adaper, Body, Ferrule, Nut - Mild Steel AISI Type B1113 IAW Fed-STD-66
End Fitting - 300 Series SST / Passivated
O-Ring - Nitrile/Buna-N

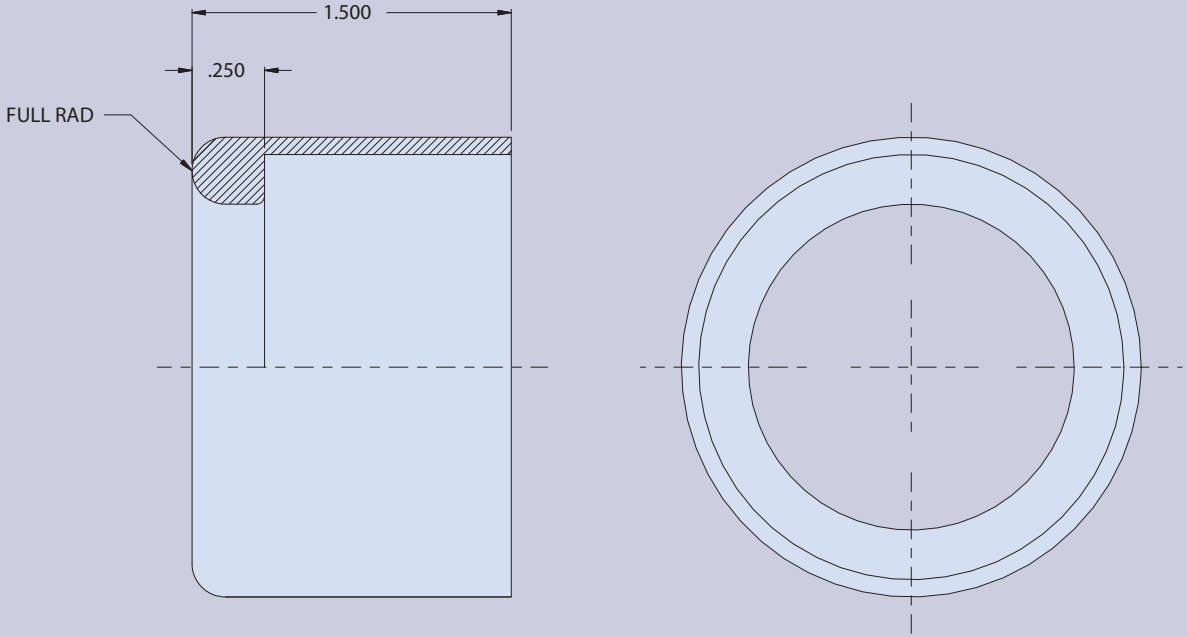
S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
GR2126 End fitting



END FITTING FOR FLEXIBLE CONDUIT IAW S9407-AB-HBK-010 REV 2, GR2126



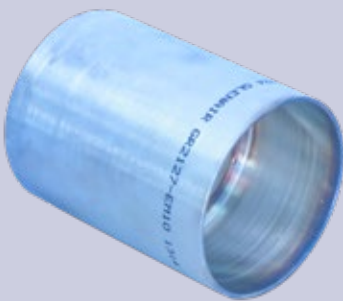
How To Order		
Sample Part Number	GR2126	-EM08
Basic Part Number	End fitting	
Conduit Part No.	EM02, EM03, EM04, EM05, EM06, EM08, EM10, EM12, EM16, EM20, EM24	



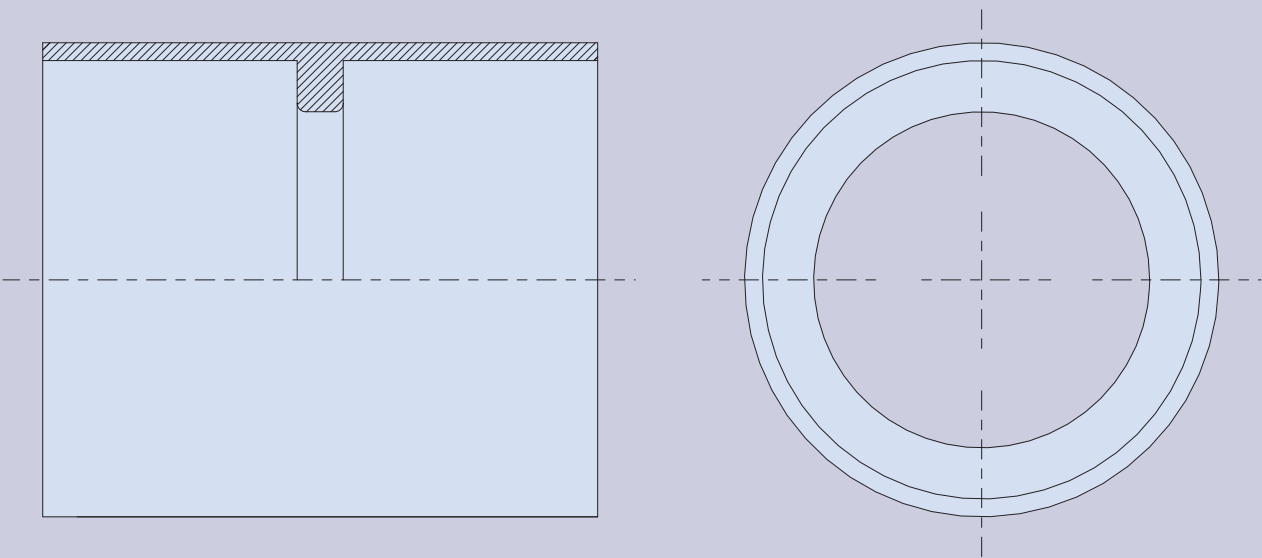
MATERIAL / FINISH

End Fitting - 300 Series SST / Passivated IAW QQ-S-763/PASSIVATED IAW QQ-P-35

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
GR2127 Conduit coupling



How To Order		
Sample Part Number	GR2127	-EM08
Basic Part Number	Conduit coupling	
Conduit Part No.	EM02, EM03, EM04, EM05, EM06, EM08, EM10, EM12, EM16, EM20, EM24	



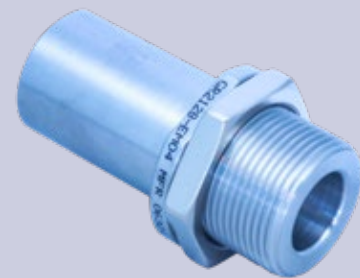
MATERIAL / FINISH

Mild Carbon Steel AISI Type B1113 IAW FED-STD-66 / Cadmium IAW QQ-P-416, Type I, Class 3.

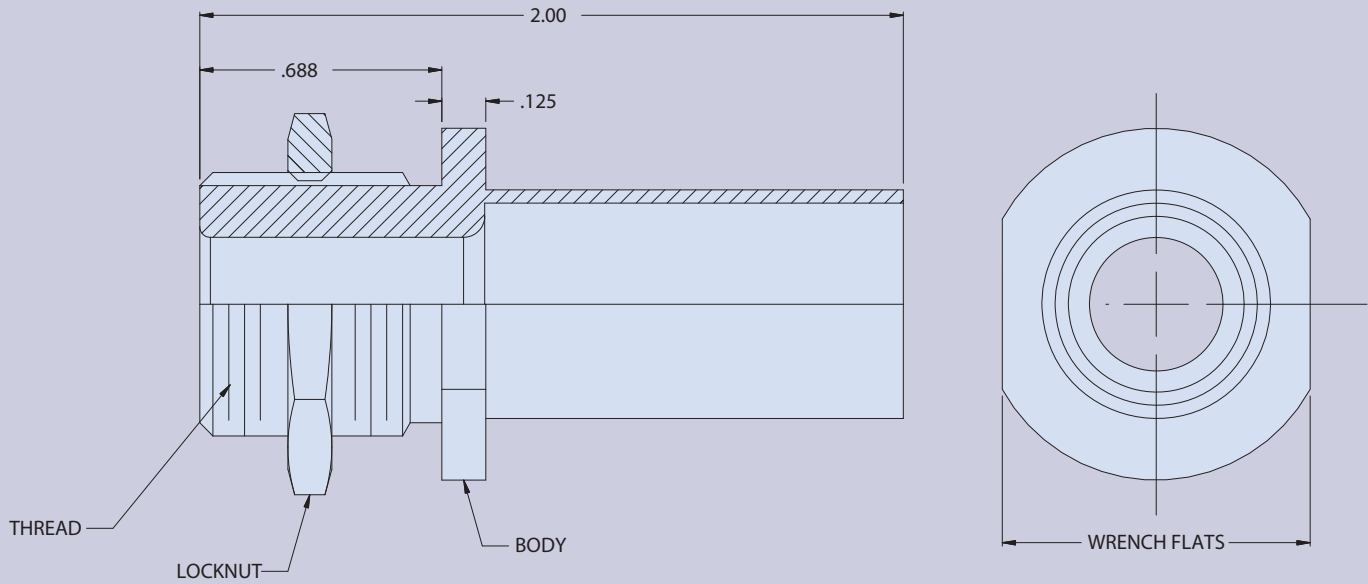
S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
GR2128 Panel fitting



PANEL FITTING FOR FLEXIBLE CONDUIT IAW S9407-AB-HBK-010 REV 2, GR2128



How To Order		
Sample Part Number	GR2128	-EM08
Basic Part Number	Panel fitting	
Conduit Part No.	EM02, EM03, EM04, EM05, EM06, EM08, EM10, EM12, EM16, EM20, EM24	

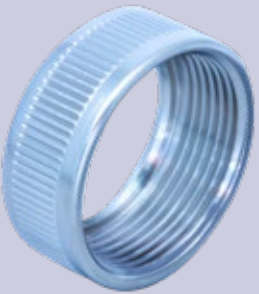


MATERIAL / FINISH

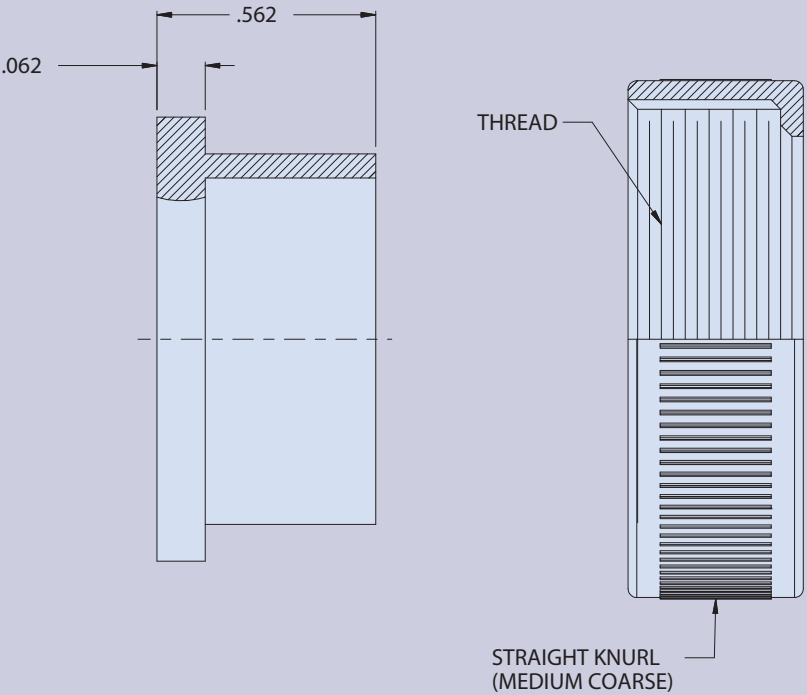
Body - 300 Series SST / Passivated
Locknut - Mild Carbon Steel AISI Type B1113 IAW Fed-STD-66 / Electroless nickel IAW AMS 2404C

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
GR2129 Ferrule and coupling nut

FERRULE AND COUPLING NUT FOR FLEXIBLE CONDUIT IAW S9407-AB-HBK-010 REV 2, GR2129



How To Order		
Sample Part Number	GR2129	-EM08
Basic Part Number	Ferrule and coupling nut	
Conduit Part No.	EM02, EM03, EM04, EM05, EM06, EM08, EM10, EM12, EM16, EM20, EM24	



NOTE

EM06 Assembly couples 3/4-Inch conduit to the Stuffing Tube Adapter, MX-7637/U.

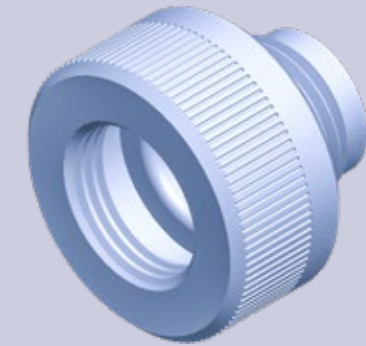
MATERIAL / FINISH

Ferrule - 300 Series SST / Passivated
Coupling Nut - Mild Carbon Steel AISI Type B1113 IAW Fed-STD-66 / Electroless nickel IAW AMS 2404C

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
GR2130 Isolator adapter

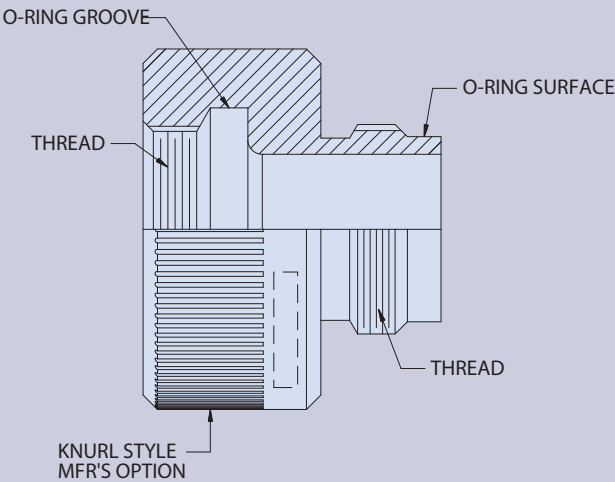


GR2000



ISOLATOR ADAPTER IAW S9407-AB-HBK-010 REV 2, GR2130

How To Order				
Sample Part Number	GR2130	-05	-N	-10SL
Basic Part Number	Isolator adapter			
Thread Size	01 – 55. See sales drawing for full details.			
Material	N - Nylon STN - Super Tough Nylon			
Connector Shell Size	8S, 8, 10S, 10SL, 12S, 14S, 16S, 12, 14, 16, 18, 20, 22, 24, 28, 32, 36, 40, 44, 48. See sales drawing GR2120 for specifics			



MATERIAL / FINISH
Adapter - Nylon / None

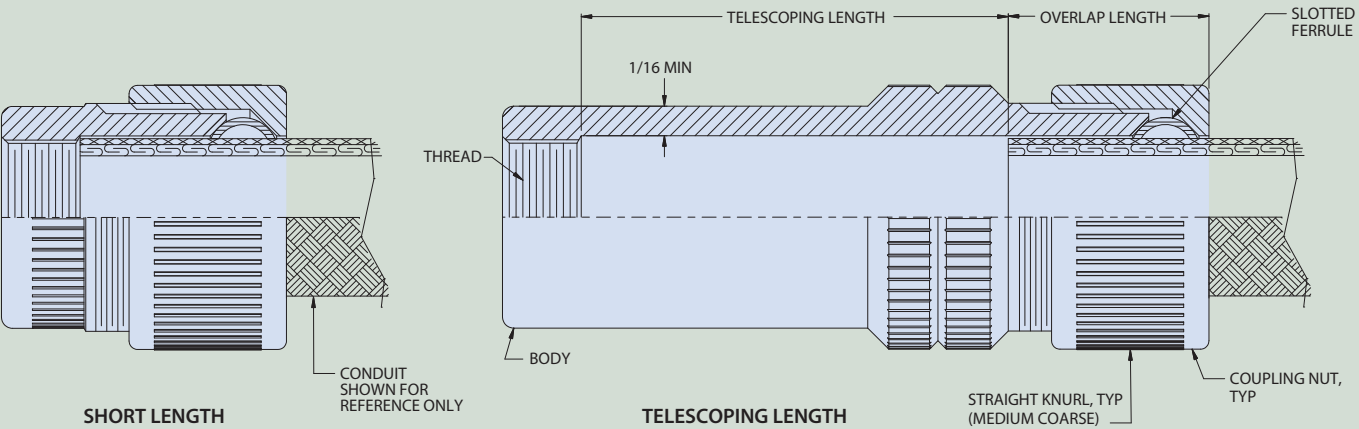
S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2100 Conduit end fitting, straight

STRAIGHT CONDUIT END FITTING IAW S9407-AB-HBK-010 REV 2, RP2100



RP2100-G Cadmium / Olive Drab
finish option

How To Order			
Sample Part Number	RP2100	-EM08	-T
Basic Part Number	Straight conduit end fitting		
Conduit Part No.	EM02, EM03, EM04, EM05, EM06, EM08, EM10, EM12, EM16, EM20, EM24 (See Material/Finish Note)		
Length Option	T = Telescoping Length S = Short Length		



MATERIAL / FINISH
Body, Ferrule, Nut - Mild Steel AISI Type B1113 IAW Fed-STD-66 / Electroless Nickel IAW AMS 2404C
For Cadmium/Olive Drab over Electroless Nickel Plating, insert "G" In Place Of "EM" In Part Number
Development. Option "F" Has Been Superseded By "G".

RP2000

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2110 Conduit end fitting, 90°

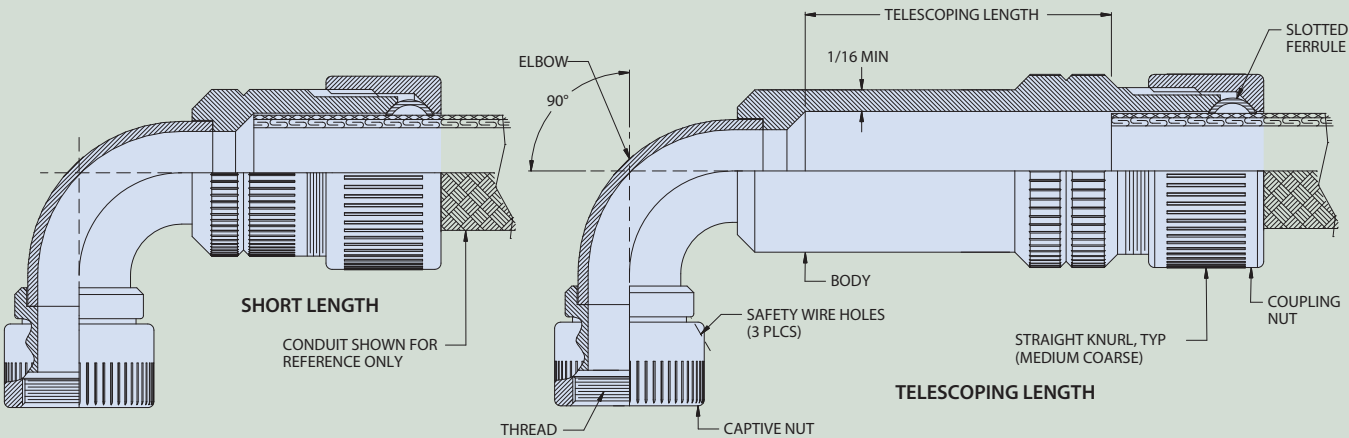


S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2120 Conduit end fitting, 45°



90° CONDUIT END FITTING IAW S9407-AB-HBK-010 REV 2, RP2110

How To Order			
Sample Part Number	RP2110	-EM08	-T
Basic Part Number	90 conduit° end fitting		
Conduit Part No.	EM02, EM03, EM04, EM05, EM06, EM08, EM10, EM12, EM16, EM20, EM24 (See Material/Finish Note)		
Length Option	T = Telescoping Length S = Short Length		

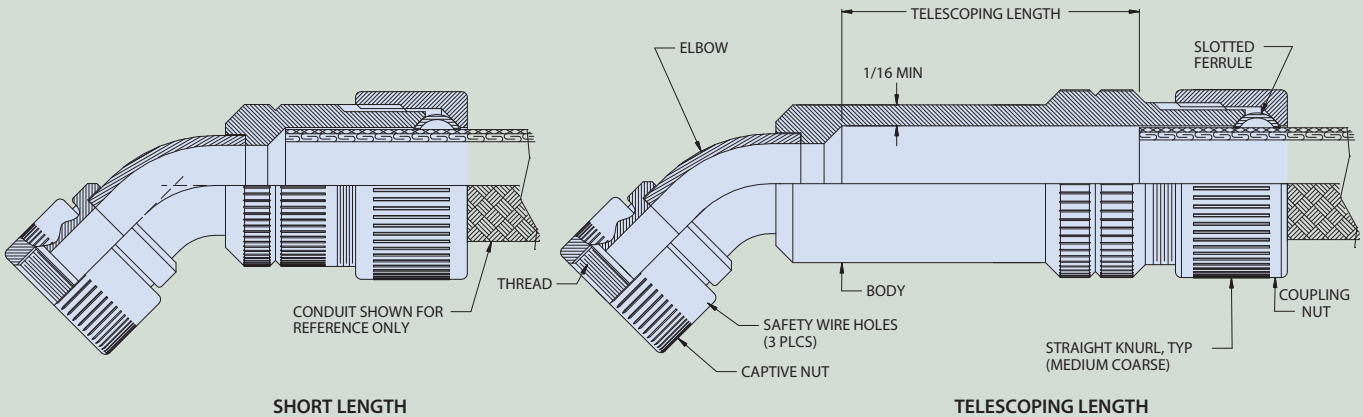


MATERIAL / FINISH

Body, Ferrule, Nut - Mild Steel AISI Type B1113 IAW Fed-STD-66 / Electroless Nickel IAW AMS 2404C
For Cadmium/Olive Drab over Electroless Nickel Plating, insert "G" In Place Of "EM" In Part Number Development. Option "F" Has Been Superseded By "G".

90° CONDUIT END FITTING IAW S9407-AB-HBK-010 REV 2, RP2120

How To Order			
Sample Part Number	RP2120	-EM08	-T
Basic Part Number	45° conduit end fitting		
Conduit Part No.	EM02, EM03, EM04, EM05, EM06, EM08, EM10, EM12, EM16, EM20, EM24 (See Material/Finish Note)		
Length Option	T = Telescoping Length S = Short Length		



MATERIAL / FINISH

Body, Ferrule, Nut - Mild Steel AISI Type B1113 IAW Fed-STD-66 / Electroless Nickel IAW AMS 2404C
For Cadmium/Olive Drab over Electroless Nickel Plating, insert "G" In Place Of "EM" In Part Number Development. Option "F" Has Been Superseded By "G".

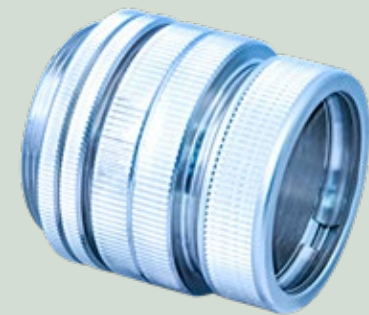
S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2130 End fitting, conduit-to-panel



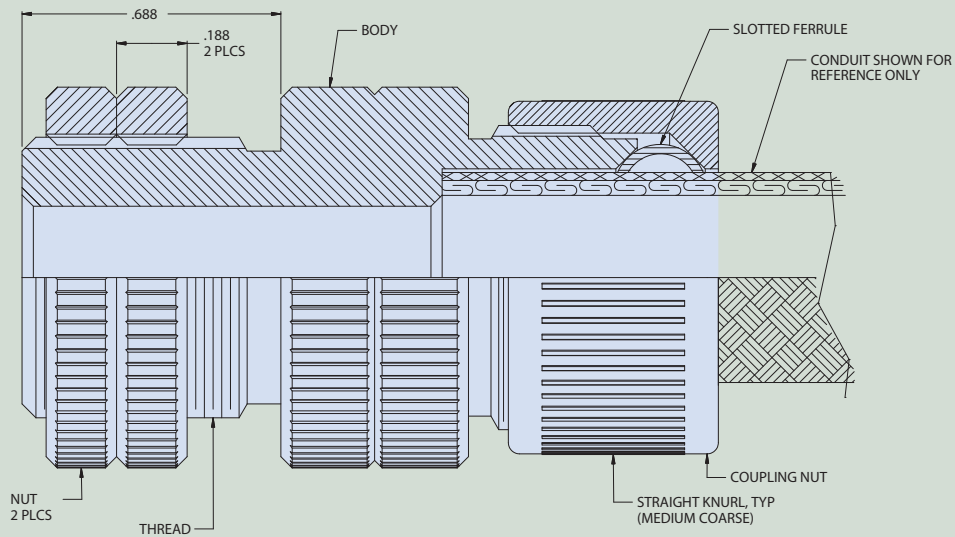
S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2140 End fitting, conduit-to-pipe thread (tapered)



CONDUIT END FITTING IAW S9407-AB-HBK-010 REV 2, RP2130



How To Order		
Sample Part Number	RP2130	-EM08
Basic Part Number	Panel fitting	
Conduit Part No.	EM02, EM03, EM04, EM05, EM06, EM08, EM10, EM12, EM16, EM20, EM24 (See Material/Finish Note)	



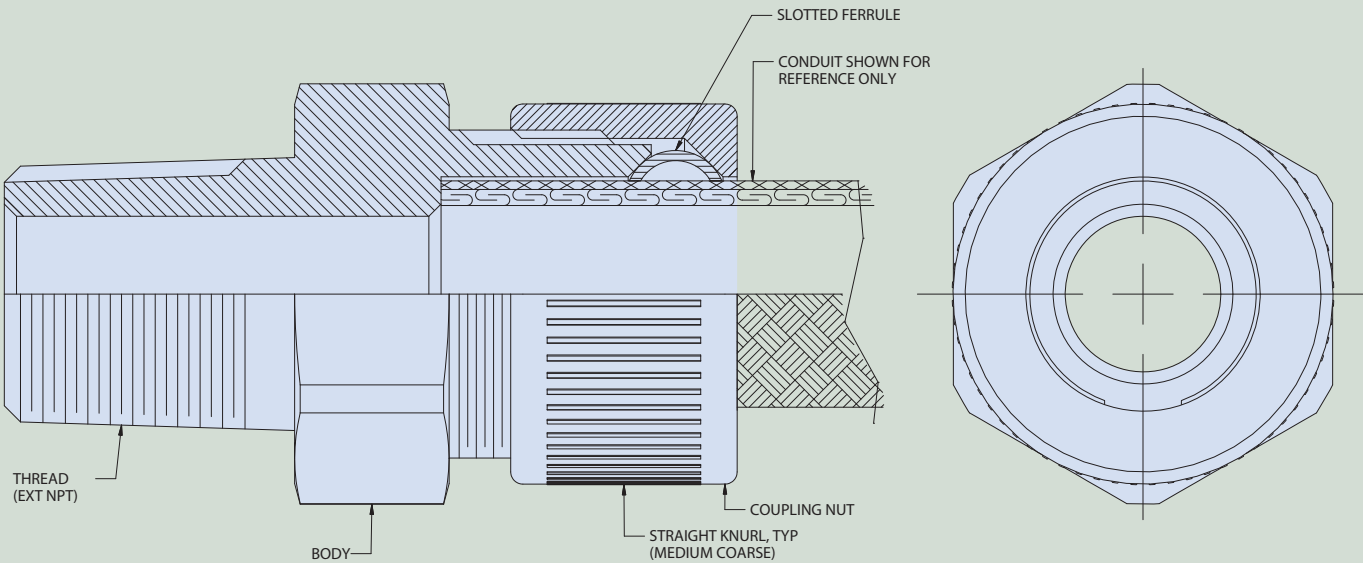
MATERIAL / FINISH

Body, Ferrule, Nut - Mild Steel AISI Type B1113 IAW Fed-STD-66 / Electroless Nickel IAW AMS 2404C
For Cadmium/Olive Drab over Electroless Nickel Plating, insert "G" In Place Of "EM" In Part Number Development. Option "F" Has Been Superseded By "G".

CONDUIT TO PIPE THREAD TAPERED END FITTING IAW S9407-AB-HBK-010 REV 2, RP2140



How To Order		
Sample Part Number	RP2140	-EM08
Basic Part Number	End fitting	
Conduit Part No.	EM02, EM03, EM04, EM05, EM06, EM08, EM10, EM12, EM16, EM20, EM24 (See Material/Finish Note)	



MATERIAL / FINISH

Body, Ferrule, Nut - Mild Steel AISI Type B1113 IAW Fed-STD-66 / Electroless Nickel IAW AMS 2404C
For Cadmium/Olive Drab over Electroless Nickel Plating, insert "G" In Place Of "EM" In Part Number Development. Option "F" Has Been Superseded By "G".

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2141 End fitting, conduit-to-pipe thread, straight

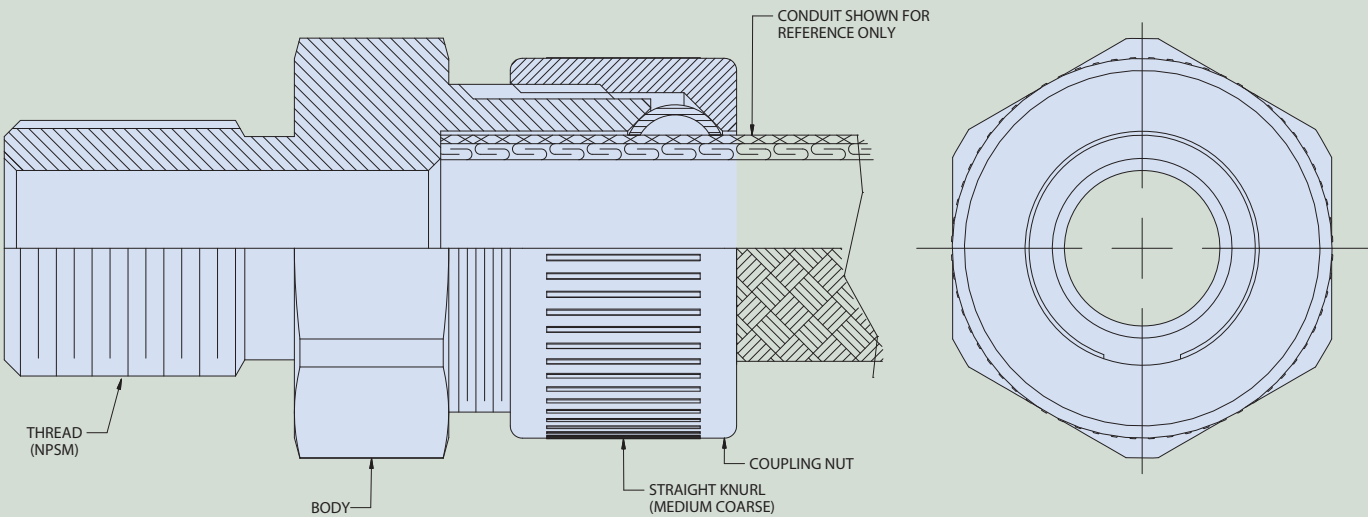


S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2200 Coupling, conduit-to-conduit



CONDUIT END FITTING IAW S9407-AB-HBK-010 REV 2, RP2141

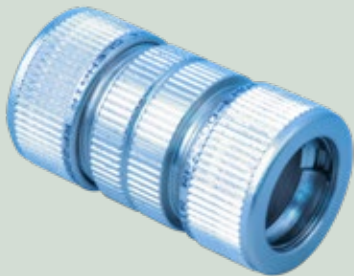
How To Order		
Sample Part Number	RP2141	-EM08
Basic Part Number	End fitting	
Conduit Part No.	EM02, EM03, EM04, EM05, EM06, EM08, EM10, EM12, EM16, EM20, EM24 (See Material/Finish Note)	



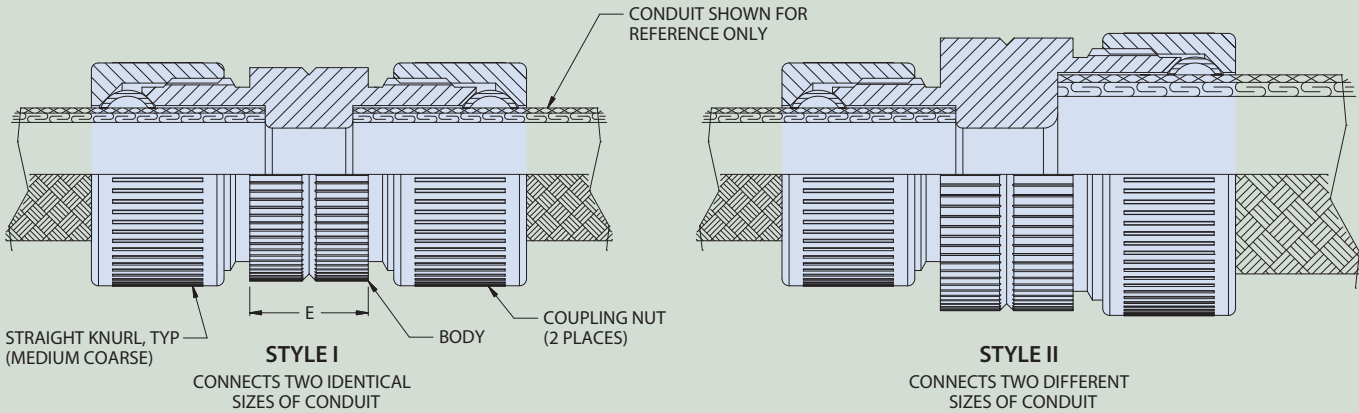
MATERIAL / FINISH

Body, Ferrule, Nut - Mild Steel AISI Type B1113 IAW Fed-STD-66 / Electroless Nickel IAW AMS 2404C
For Cadmium/Olive Drab over Electroless Nickel Plating, insert "G" In Place Of "EM" In Part Number Development. Option "F" Has Been Superseded By "G".

CONDUIT-TO-CONDUIT COUPLING IAW S9407-AB-HBK-010 REV 2, RP2200



How To Order			
Sample Part Number	RP2200	-EM08	-10
Basic Part Number	Conduit-to-conduit coupling		
Conduit Part No.	EM02, EM03, EM04, EM05, EM06, EM08, EM10, EM12, EM16, EM20, EM24 (See Material/Finish Note)		
Large Conduit Part No.	EM02, EM03, EM04, EM05, EM06, EM08, EM10, EM12, EM16, EM20, EM24 Omit for Style I (See Material/Finish Note)		



MATERIAL / FINISH

Body, Ferrule, Nut - Mild Steel AISI Type B1113 IAW Fed-STD-66 / Electroless Nickel IAW AMS 2404C
For Cadmium/Olive Drab over Electroless Nickel Plating, insert "G" In Place Of "EM" In Part Number Development. Option "F" Has Been Superseded By "G".

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2210 Coupling, conduit-to-pipe

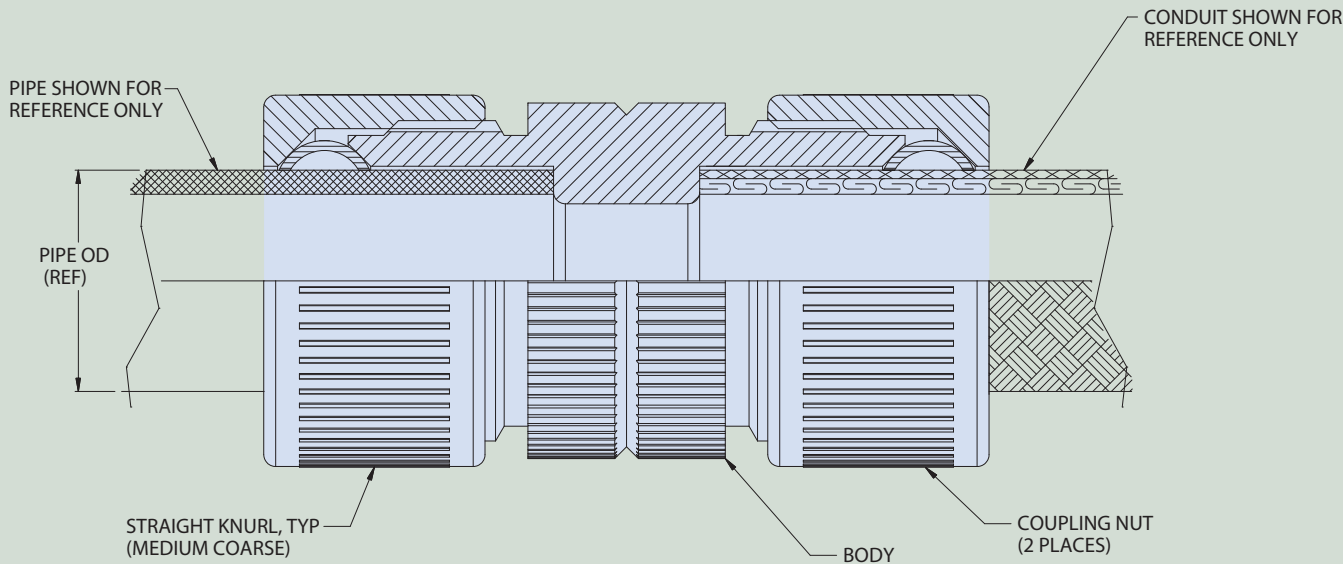


S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2311 Adapter to MIL-DTL-5015 connector



CONDUIT-TO-PIPE COUPLING IAW S9407-AB-HBK-010 REV 2, RP2210

How To Order		
Sample Part Number	RP2210	-EM08
Basic Part Number	Conduit coupling	
Conduit Part No.	EM02, EM03, EM04, EM05, EM06, EM08, EM10, EM12, EM16, EM20, EM24 (See Material/Finish Note)	



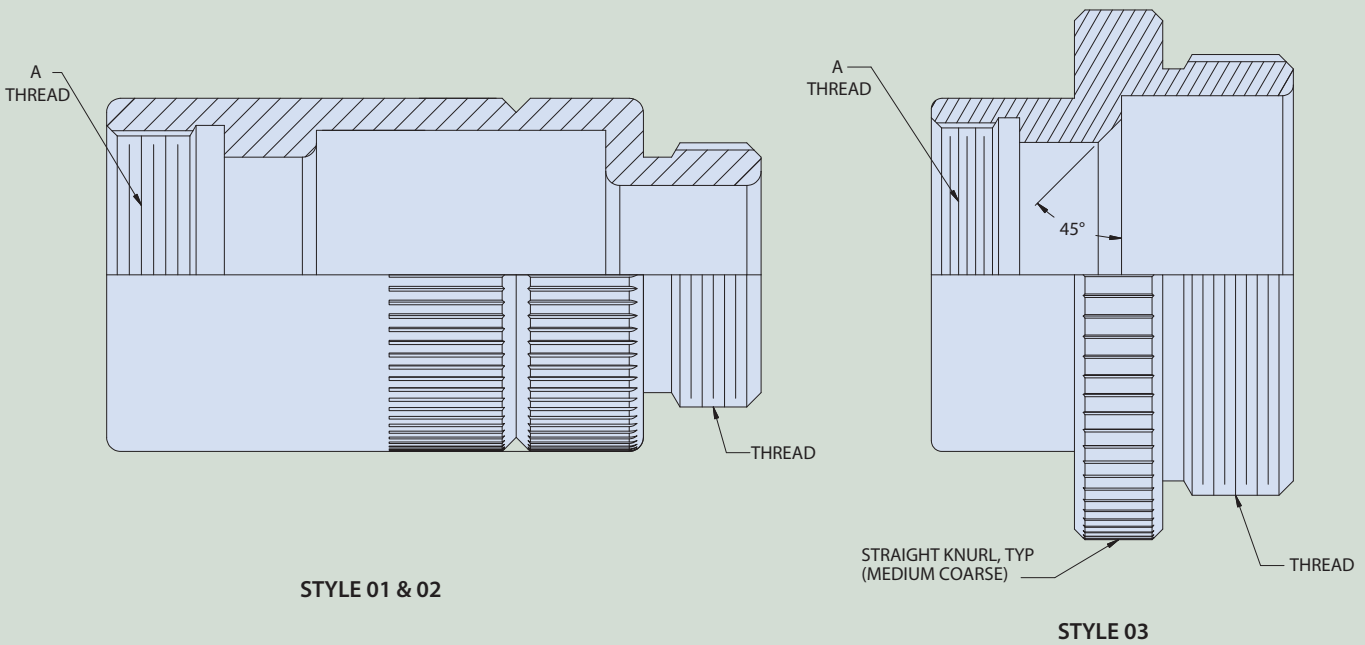
MATERIAL / FINISH

Body, Ferrule, Nut - Mild Steel AISI Type B1113 IAW Fed-STD-66 / Electroless Nickel IAW AMS 2404C
For Cadmium/Olive Drab over Electroless Nickel Plating, insert "G" In Place Of "EM" In Part Number Development. Option "F" Has Been Superseded By "G".

ADAPTER TO M5015 CONNECTOR IAW S9407-AB-HBK-010 REV 2, RP2311



How To Order					
Sample Part Number	RP2311	-08	-08	-01	SM
Basic Part Number	Conduit adapter				
A Thread Code	01 – 31, see sales drawing for details				
Conduit Size Code	02, 03, 04, 05, 06, 08, 10, 12, 16, 20, 24				
Style Code	-01, 02, 03, see sales drawing for details				
Material / Finish	SN = mild steel with cadmium over electroless nickel finish SM = mild steel with electroless nickel finish IAW AMS 2404C (SM supersedes "no suffix" code reserved for legacy parts)				



MATERIAL / FINISH

Body, Ferrule, Nut - Mild Steel AISI Type B1113 IAW Fed-STD-66

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2321 Adapter for Triaxial connector



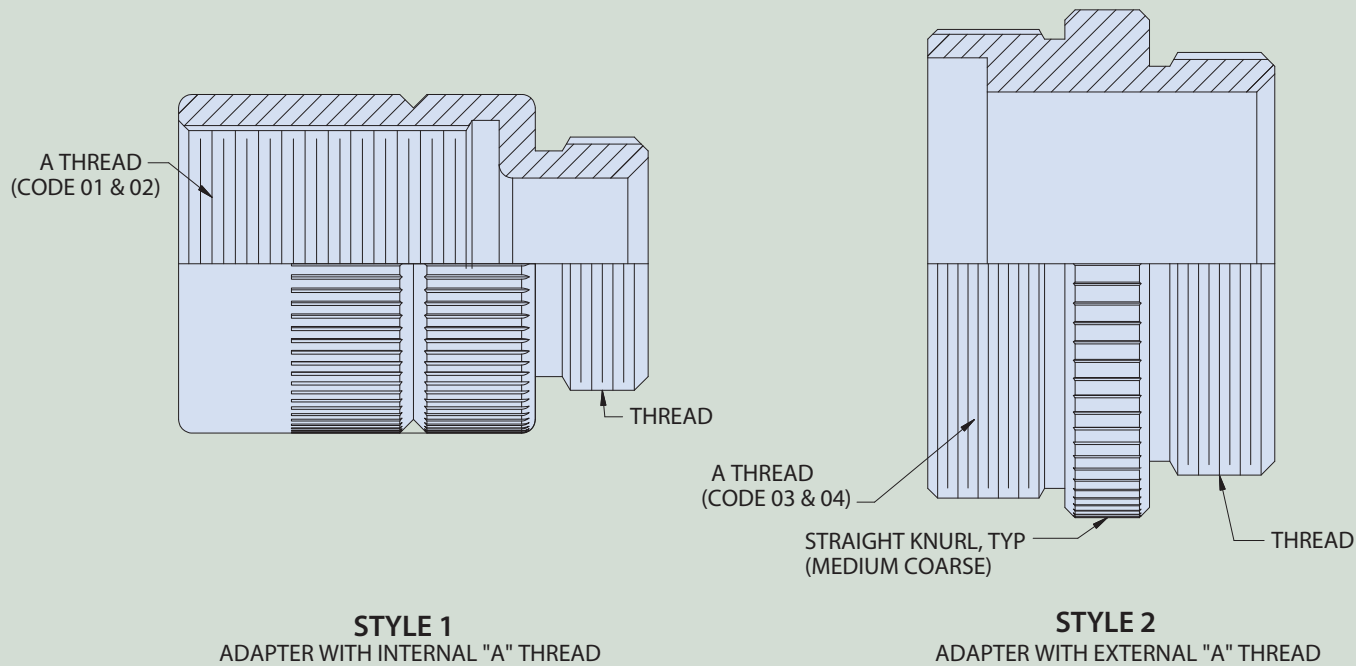
S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2330 Adapter for Coaxial connector



ADAPTER TO TRIAXIAL CONNECTOR IAW S9407-AB-HBK-010 REV 2, RP2321



How To Order				
Sample Part Number	RP2321	-08	-08	SM
Basic Part Number	Adapter to triaxial connector			
A Thread Code	01, 02, 03, 04			
Conduit Size Code	02, 03, 04, 05, 06, 08, 10, 12, 16, 20, 24			
Finish Symbol	SN = mild steel with cadmium over electroless nickel finish SM = mild steel with electroless nickel finish IAW AMS 2404C (SM supersedes "no suffix" code reserved for legacy parts)			



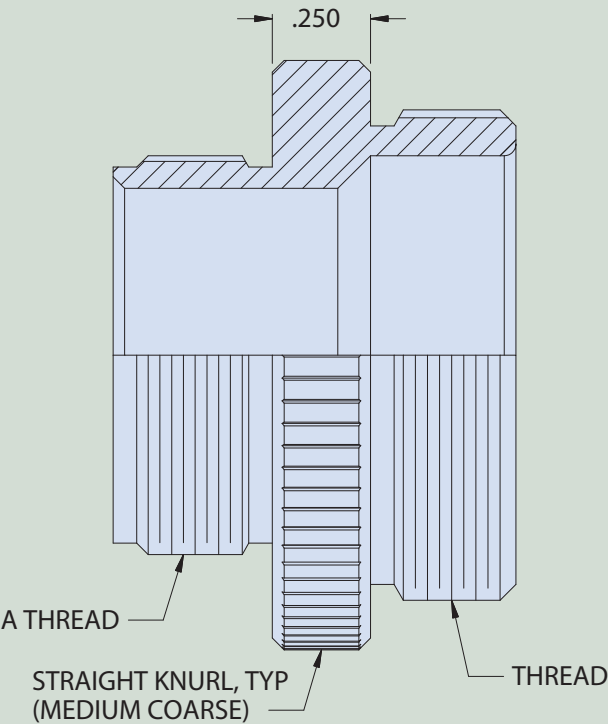
MATERIAL / FINISH

Body, Ferrule, Nut - Mild Steel AISI Type B1113 IAW Fed-STD-66
RP2321 supersedes RP2320. Any requirement for an RP2320 will be satisfied with an RP2321

ADAPTER TO COAXIAL CONNECTOR IAW S9407-AB-HBK-010 REV 2, RP2330



How To Order				
Sample Part Number	RP2330	-02	-04	SM
Basic Part Number	Adapter to coaxial connector			
A Thread Code	02, 04, 06, 08, 10, 12			
Conduit Size Code	02, 03, 04, 05, 06, 08, 10, 12, 16, 20, 24			
Finish Symbol	SN = mild steel with cadmium over electroless nickel finish SM = mild steel with electroless nickel finish IAW AMS 2404C (SM supersedes "no suffix" code reserved for legacy parts) -N = Nylon			



MATERIAL / FINISH

Adapter and Ferrule - Mild Steel AISI Type B1113 IAW Fed-STD-66
or Nylon
RP2321 supersedes RP2320. Any requirement for an RP2320 will be satisfied with an RP2321

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2340 Adapter to MIL-C-26482 connectors



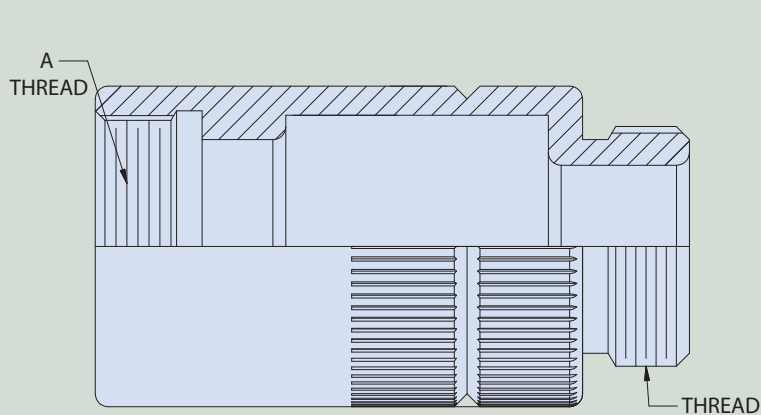
S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2350 Adapter to MS3155 type connectors



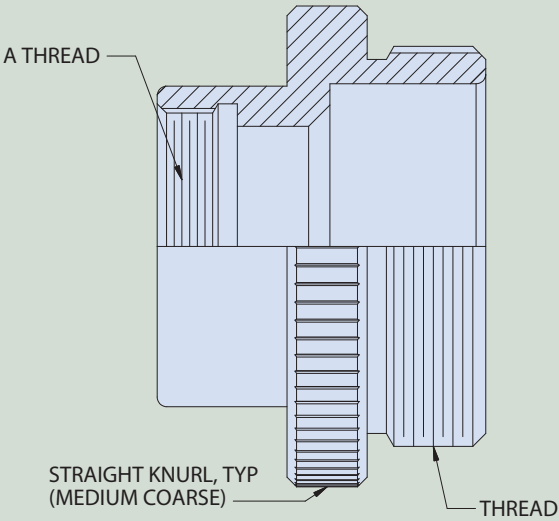
ADAPTER TO M26482 CONNECTOR IAW S9407-AB-HBK-010 REV 2, RP2340



How To Order					
Sample Part Number	RP2340	-15	-08	-03	SM
Basic Part Number	Adapter to M26482 connector				
A Thread Code	07, 09, 11, 13, 15, 17, 19, 21, 23 see sales drawing for details				
Conduit Size Code	02, 03, 04, 05, 06, 08, 10, 12, 16, 20, 24				
Style Code	-01, 02, 03, see sales drawing for details				
Material / Finish	SN = mild steel with cadmium over electroless nickel finish SM = mild steel with electroless nickel finish IAW AMS 2404C (SM supersedes "no suffix" code reserved for legacy parts)				



STYLE 01 & 02



STYLE 03

MATERIAL / FINISH

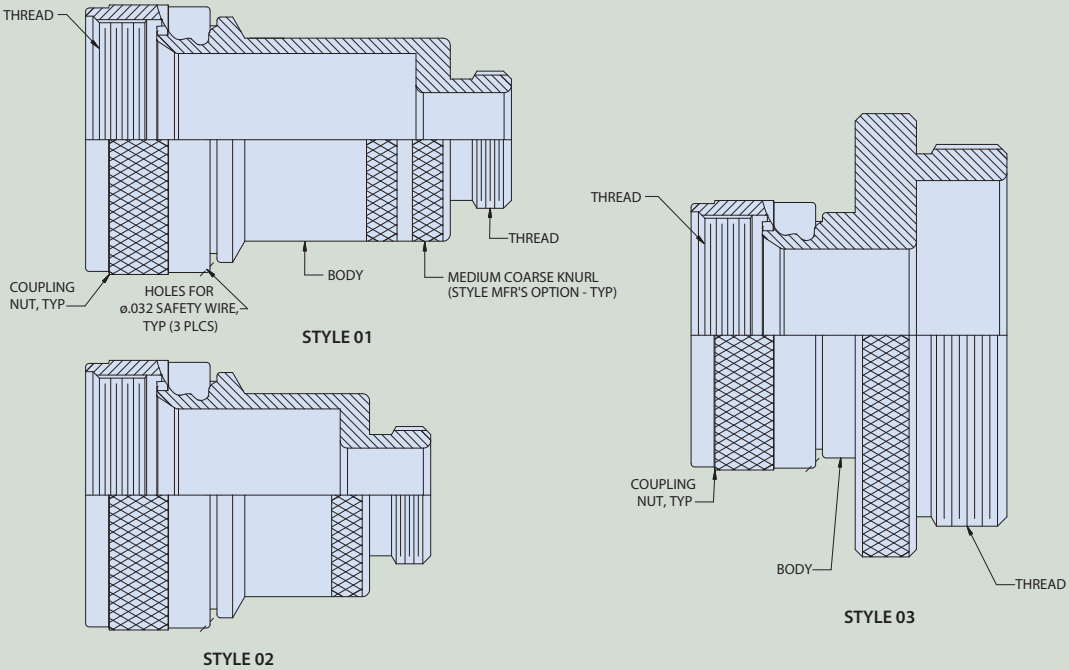
Mild Steel AISI Type B1113 IAW Fed-STD-66

NOTES

Style 01 - use when "E" diameter is greater than "K" diameter.
Style 02 - same as Style 01 except "J" dimension is zero.
Style 03 - use when "E" diameter is equal to or less than "K" diameter.
For MIL-C-26482 Series 2 the RP2350 adapter may be used



How To Order					
Sample Part Number	RP2350	-15	-06	-01	SM
Basic Part Number	Adapter to MS3155 connector				
Connector Dash No.	03, 08, 10, 12, 14, 16, 18, 20, 22, 24, 28, 32, 26, 40, 44, 48, 61 see sales drawing for details				
Conduit Size Code	02, 03, 04, 05, 06, 08, 10, 12, 16, 20, 24				
Style Code	-01, 02, 03, see sales drawing for details				
Material / Finish	SN = mild steel with cadmium over electroless nickel finish SM = mild steel with electroless nickel finish IAW AMS 2404C AM = Aluminum with electroless nickel finish IAW AMS 2404C ANF = Aluminum with cadmium O.D. over electroless nickel A = Aluminum with electroless nickel finish IAW AMS 2404C* Omit = mild steel with electroless nickel finish* *Finish Symbols "A" and "no suffix" are designed for legacy parts. These finish symbols have been superseded by "AM" and "SM" respectively.				



MATERIAL / FINISH

Mild Steel AISI Type B1113 IAW Fed-STD-66 or Aluminum Alloy IAW QQ-A-225 or ASTM-STD-885

NOTES

Style 01 - use when "E" diameter is greater than "K" diameter.
Style 02 - same as Style 01 except "Y" dimension is less than "J" dimension. Use when the extra working room provided by Style 01 is not a requirement.
Style 03 - "E" diameter is equal to or less than "K" diameter.

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding

RP2360 Adapter for MIL-C-28840 (EC) backshell

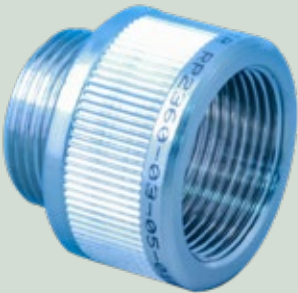


S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding

RP2400 Adapter for MIL-S-24235/1 stuffing tube



ADAPTER TO M28840 BACKSHELL IAW S9407-AB-HBK-010 REV 2, RP2360

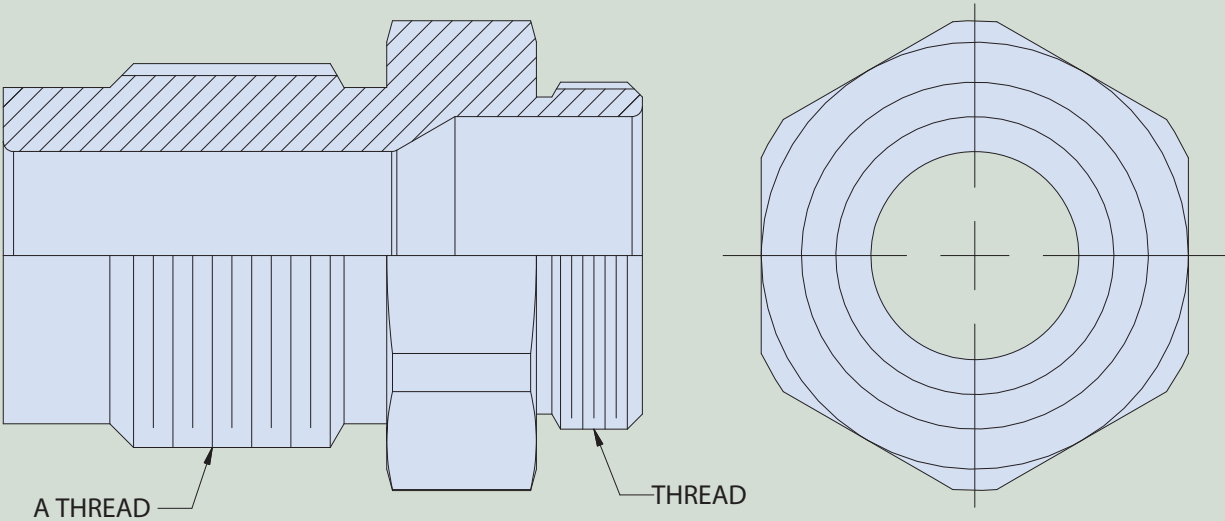
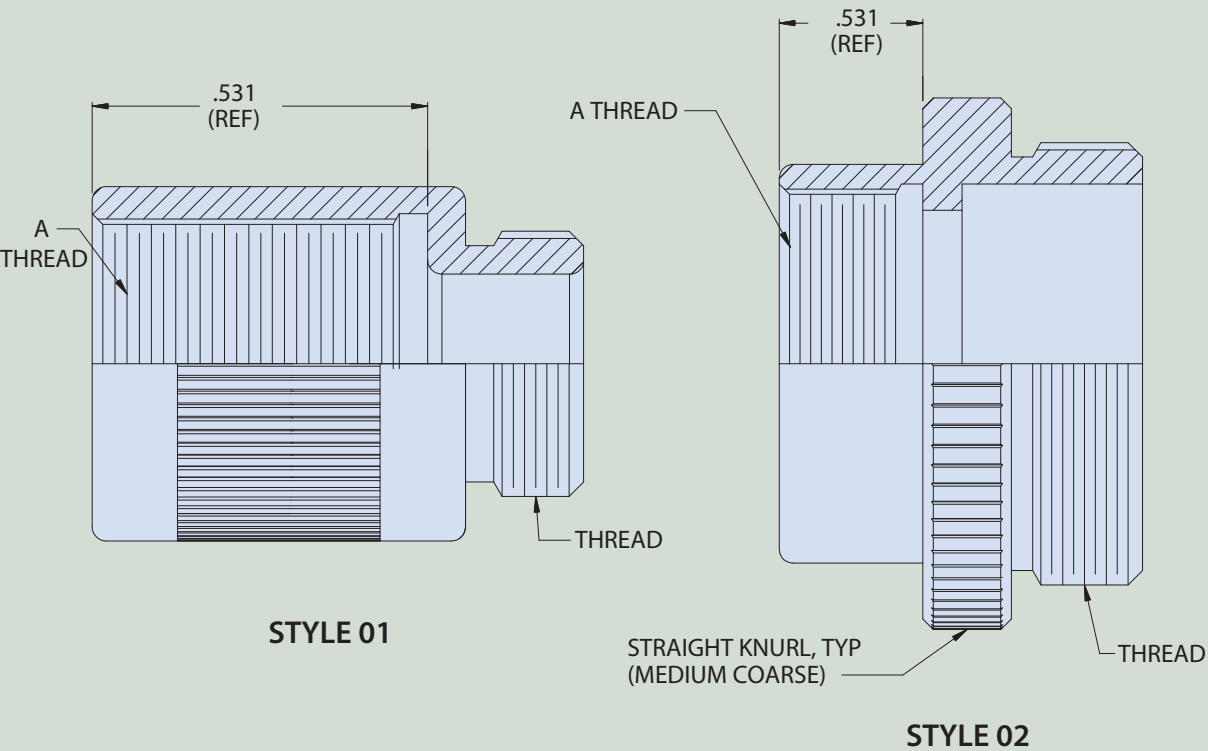


How To Order					
Sample Part Number	RP2360	-06	-08	-01	SM
Basic Part Number	Adapter to M28840 backshell				
A Thread Code	01 – 15, see sales drawing for details				
Conduit Size Code	02, 03, 04, 05, 06, 08, 10, 12, 16, 20, 24				
Style Code	-01, 02, 03, see sales drawing for details				
Material / Finish	SN = mild steel with cadmium over electroless nickel finish SM = mild steel with electroless nickel finish IAW AMS 2404C (SM supersedes “no suffix” code reserved for legacy parts)				

ADAPTER TO M24235 STUFFING TUBE IAW S9407-AB-HBK-010 REV 2, RP2400



How To Order				
Sample Part Number	RP2400	-12	-10	SM
Basic Part Number	Adapter for M24235 stuffing tube			
A Thread Code	02, 05, 08, 11, 12, 14, 15, 17, 18			
Conduit Size Code	02, 03, 04, 05, 06, 08, 10, 12, 16, 20, 24			
Material / Finish	SN = mild steel with cadmium over electroless nickel finish SM = mild steel with electroless nickel finish IAW AMS 2404C (SM supersedes “no suffix” code reserved for legacy parts)			



MATERIAL / FINISH

Mild Steel AISI Type B1113 IAW Fed-STD-66

NOTES

Style 01 - use when “K” diameter is smaller than “E” diameter of Style 02.
Style 02 - use when “K” diameter is equal to or larger than “E” diameter.

MATERIAL / FINISH

Mild Steel AISI Type B1113 IAW Fed-STD-66

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2411 General-use threaded fitting adapter



S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2420 Adapter for MIL-C-24321 hull fitting



GENERAL-USE ADAPTER IAW S9407-AB-HBK-010 REV 2, RP2411

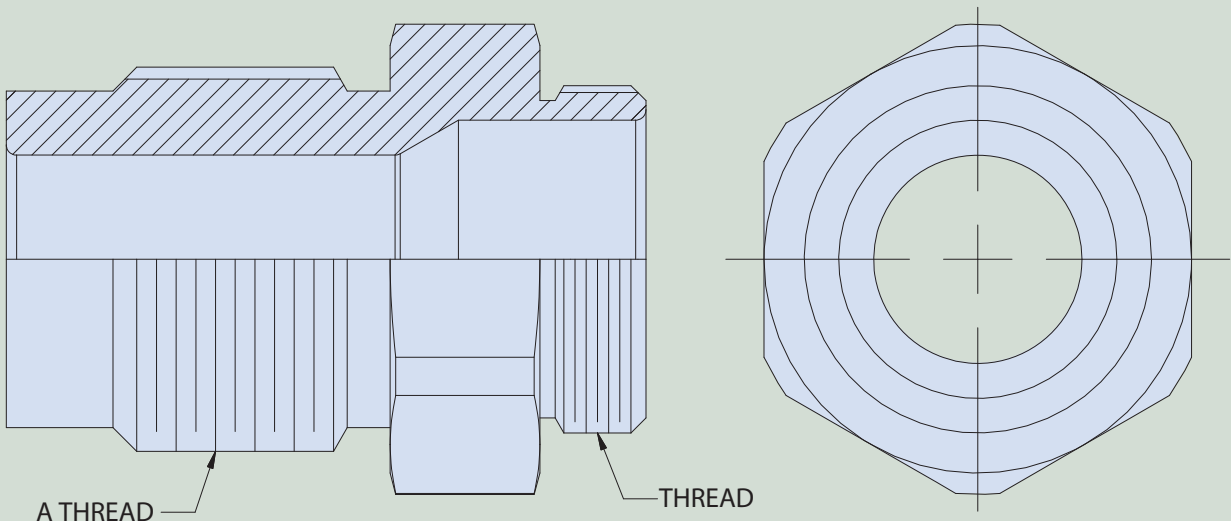
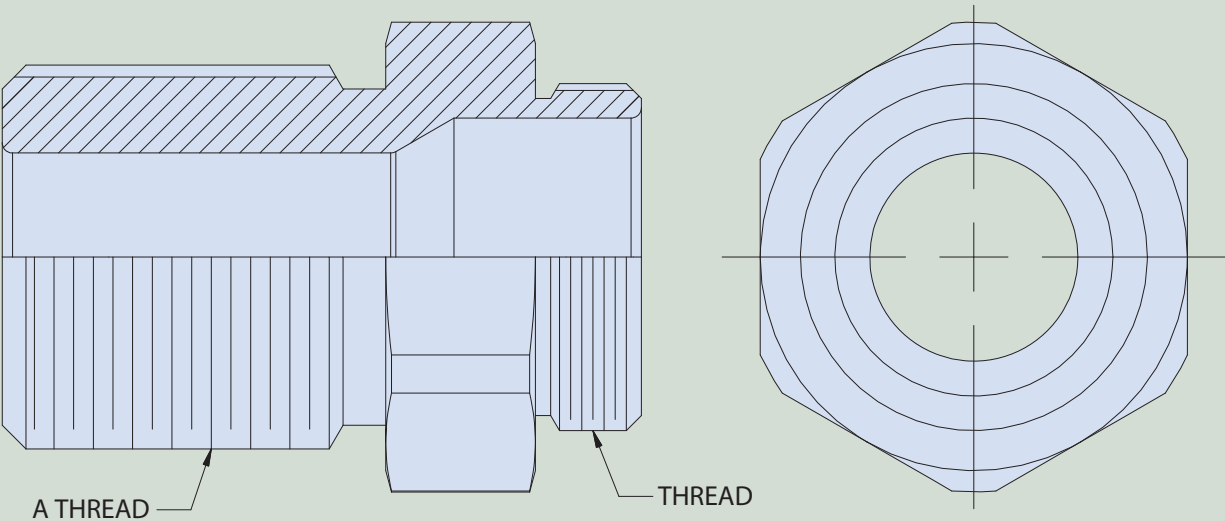


How To Order				
Sample Part Number		RP2411	-04	-08 SM
Basic Part Number	Adapter, general-use			
A Thread Code	01, 03, 04, 06, 07, 09, 10, 13, 16, 19, 20, 21			
Conduit Size Code	02, 03, 04, 05, 06, 08, 10, 12, 16, 20, 24			
Material / Finish	SN = mild steel with cadmium over electroless nickel finish SM = mild steel with electroless nickel finish IAW AMS 2404C (SM supersedes "no suffix" code reserved for legacy parts)			

ADAPTER TO M24321 HULL FITTING IAW S9407-AB-HBK-010 REV 2, RP2420



How To Order				
Sample Part Number		RP2420	-05	-12 SM
Basic Part Number	Adapter to M24321 hull fitting			
A Thread Code	01, 02, 03, 04, 05, 06			
Conduit Size Code	02, 03, 04, 05, 06, 08, 10, 12, 16, 20, 24			
Material / Finish	SN = mild steel with cadmium over electroless nickel finish SM = mild steel with electroless nickel finish IAW AMS 2404C (SM supersedes "no suffix" code reserved for legacy parts)			



MATERIAL / FINISH
Mild Steel AISI Type B1113 IAW Fed-STD-66

MATERIAL / FINISH
Mild Steel AISI Type B1113 IAW Fed-STD-66

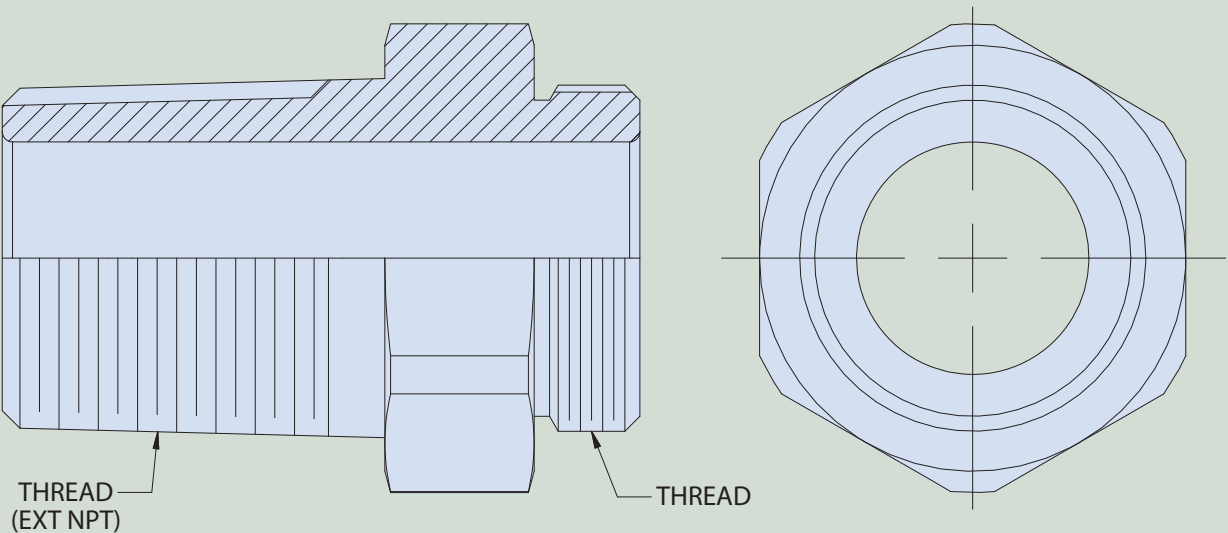
S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding

RP2430 Adapter for pipe thread (tapered)



TAPERED PIPE THREAD ADAPTER IAW S9407-AB-HBK-010 REV 2, RP2430

How To Order			
Sample Part Number		RP2430	-05 SM
Basic Part Number	Pipe thread adapter, tapered		
Conduit Size Code	02, 03, 04, 05, 06, 08, 10, 12, 16, 20, 24		
Material / Finish	SN = mild steel with cadmium over electroless nickel finish SM = mild steel with electroless nickel finish IAW AMS 2404C (SM supersedes "no suffix" code reserved for legacy parts)		



MATERIAL / FINISH

Mild Steel AISI Type B1113 IAW Fed-STD-66

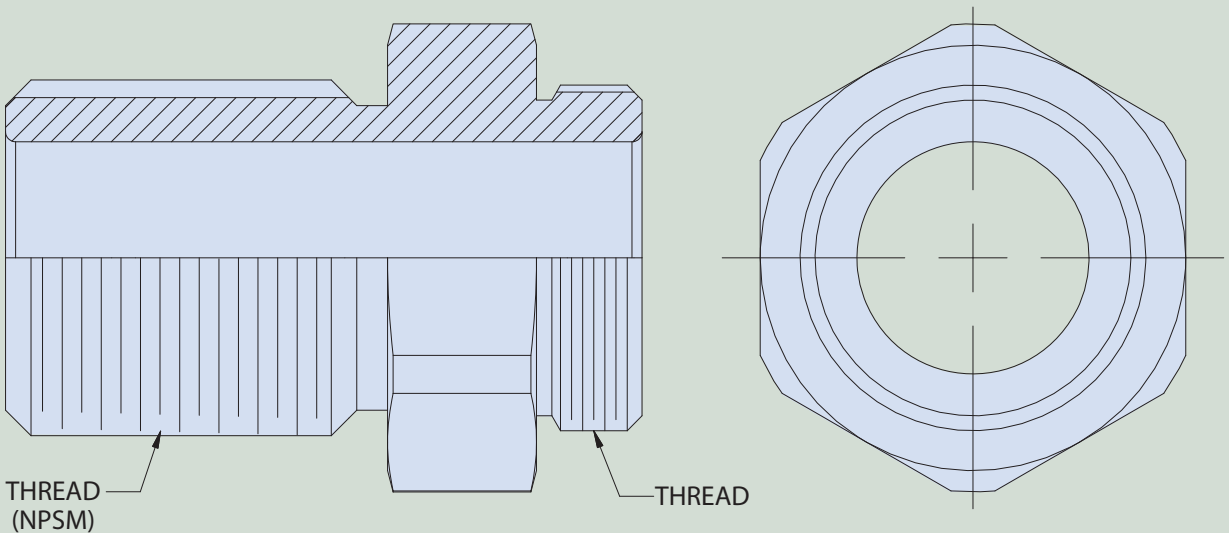
S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding

RP2431 Adapter for pipe thread (straight)



STRAIGHT PIPE THREAD ADAPTER IAW S9407-AB-HBK-010 REV 2, RP2431

How To Order			
Sample Part Number		RP2431	-06 SM
Basic Part Number	Pipe thread adapter, straight		
Conduit Size Code	02, 03, 04, 05, 06, 08, 10, 12, 16, 20, 24		
Material / Finish	SN = mild steel with cadmium over electroless nickel finish SM = mild steel with electroless nickel finish IAW AMS 2404C (SM supersedes "no suffix" code reserved for legacy parts)		



MATERIAL / FINISH

Mild Steel AISI Type B1113 IAW Fed-STD-66

RP2000

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2440 Adapter, non-metallic (nylon)



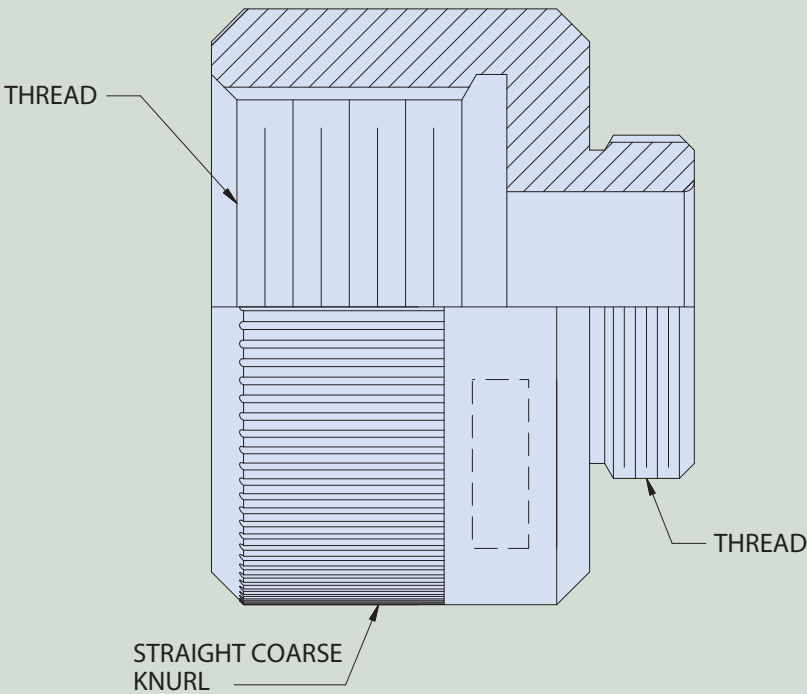
S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2500 Adapter for panel termination



NON-METALLIC (NYLON) ADAPTER IAW S9407-AB-HBK-010 REV 2, RP2440



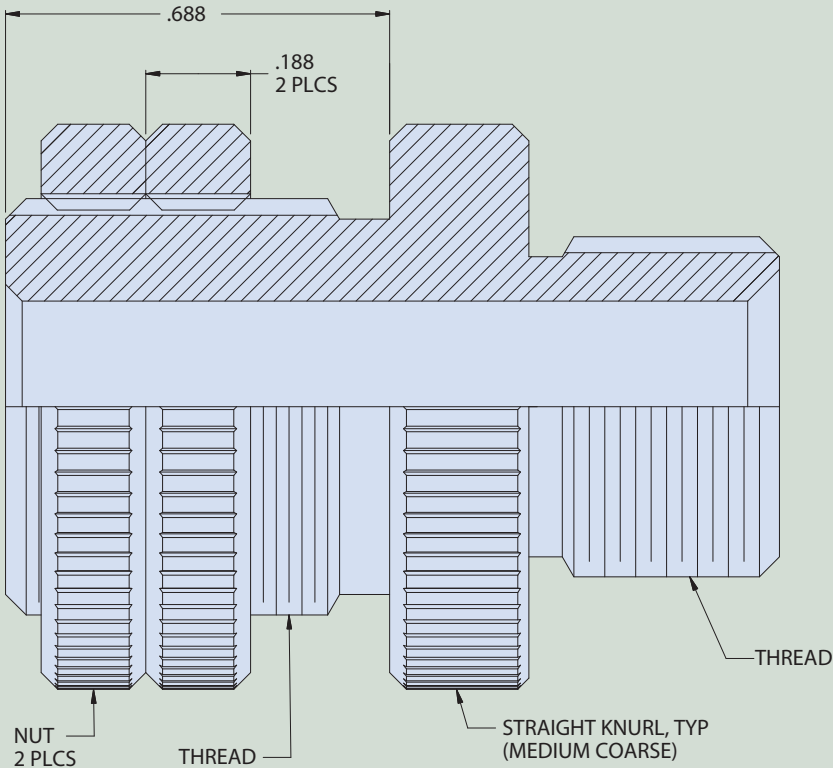
How To Order			
Sample Part Number	RP2440	-08	SM
Basic Part Number	Adapter, non-metallic		
Conduit Size Code	02, 03, 04, 05, 06, 08, 10, 12, 16, 20, 24		
Material / Finish	N = Nylon STN = Super Tough Nylon		



PANEL TERMINATION ADAPTER IAW S9407-AB-HBK-010 REV 2, RP2500



How To Order			
Sample Part Number	RP2500	-06	SM
Basic Part Number	Panel termination		
Conduit Size Code	02, 03, 04, 05, 06, 08, 10, 12, 16, 20, 24		
Material / Finish	SN = mild steel with cadmium over electroless nickel finish SM = mild steel with electroless nickel finish IAW AMS 2404C (SM supersedes "no suffix" code reserved for legacy parts)		



MATERIAL / FINISH
Mild Steel AISI Type B1113 IAW Fed-STD-66

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2610 90° adapter

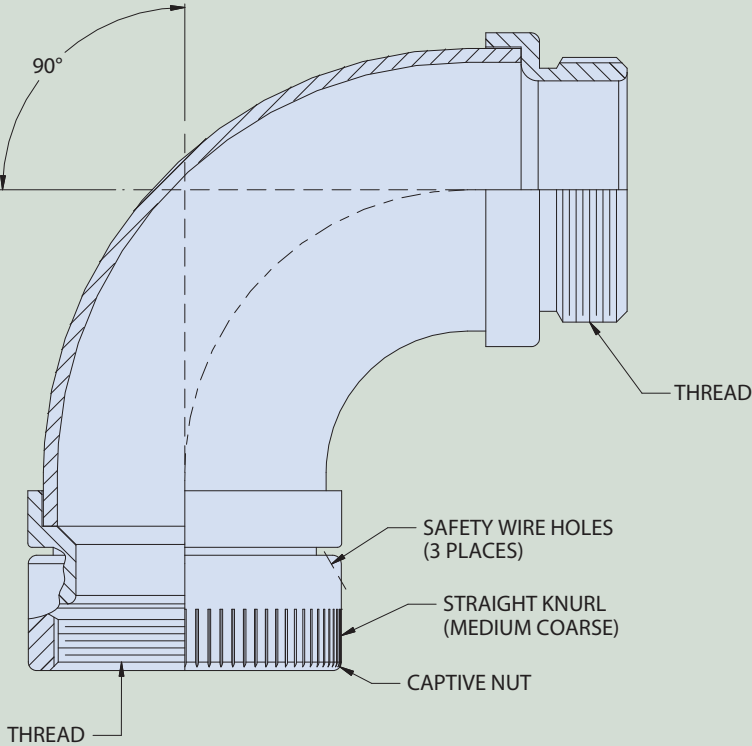


S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding
RP2620 45° adapter



90° ADAPTER IAW S9407-AB-HBK-010 REV 2, RP2610

How To Order			
Sample Part Number		RP2610	-06 SM
Basic Part Number	Adapter, 90°		
Conduit Size Code	02, 03, 04, 05, 06, 08, 10, 12, 16, 20, 24		
Material / Finish	SN = mild steel with cadmium over electroless nickel finish SM = mild steel with electroless nickel finish IAW AMS 2404C (SM supersedes "no suffix" code reserved for legacy parts)		

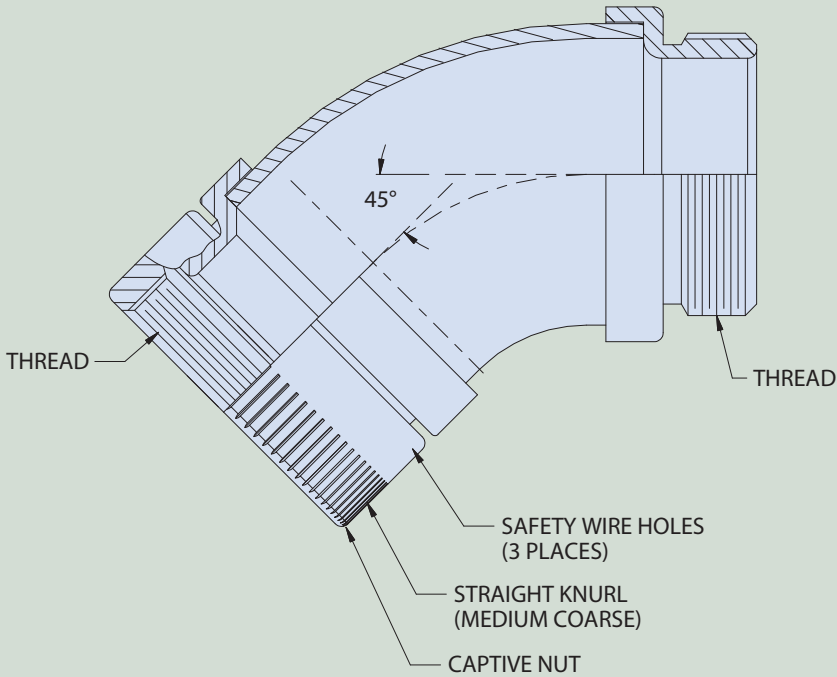


MATERIAL / FINISH

Mild Steel AISI Type B1113 IAW Fed-STD-66

45° ADAPTER IAW S9407-AB-HBK-010 REV 2, RP2620

How To Order			
Sample Part Number		RP2620	-06 SM
Basic Part Number	Adapter, 45°		
Conduit Size Code	02, 03, 04, 05, 06, 08, 10, 12, 16, 20, 24		
Material / Finish	SN = mild steel with cadmium over electroless nickel finish SM = mild steel with electroless nickel finish IAW AMS 2404C (SM supersedes "no suffix" code reserved for legacy parts)		



MATERIAL / FINISH

Mild Steel AISI Type B1113 IAW Fed-STD-66

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding

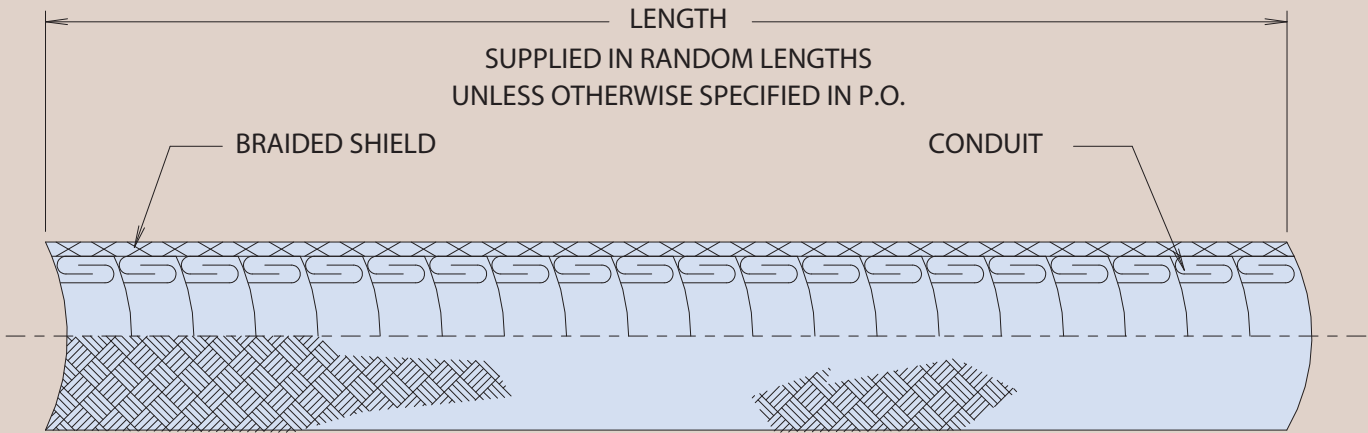
750-084 Flexible metal-core conduit with braided shield



NICKEL-IRON CONDUIT WITH EMI/RFI BRAIDED SHIELD IAW S9407-AB-HBK-010, TYPE 1



How To Order			
Sample Part Number	750-084	-16	C
Basic Part Number	Flexible metal-core conduit with braid		
Dash No.	08, 09, 10, 12, 14, 16, 20, 24, 32, 40, 48, 64, 80, 96		
Compressed Core Option	C = Compressed Core Omit for standard uncompressed core		



METAL-CORE CONDUIT

MATERIALS

Conduit - 80% Nickel, 20% Iron
Braided Shield - 304 CRES

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding

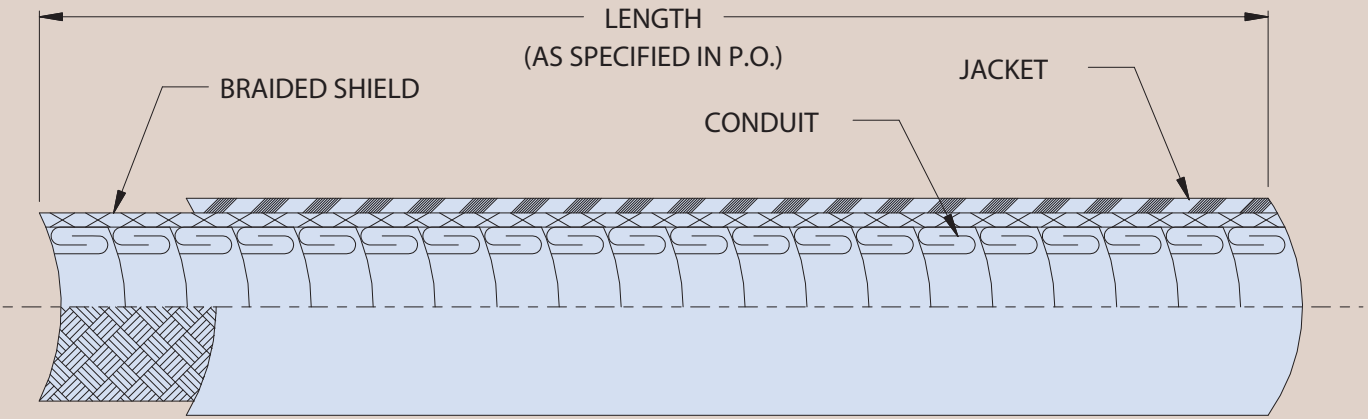
750-085 Flexible metal-core conduit, braided shield/jacket



NICKEL-IRON CONDUIT WITH EMI/RFI BRAIDED SHIELD AND ENVIRONMENTAL JACKET IAW S9407-AB-HBK-010, TYPE 2



How To Order			
Sample Part Number	750-085	-16	E
Basic Part Number	Flexible metal-core conduit with braid		
Dash No.	08, 09, 10, 12, 14, 16, 20, 24, 32, 40, 48, 64, 80, 96		
Jacket Material Option	Omit = standard Neoprene H = Hypalon E = EPDM V = Viton B = Bluejacket, Black G = Bluejacket, Gray TN = Bluejacket, Desert Tan		



METAL-CORE CONDUIT

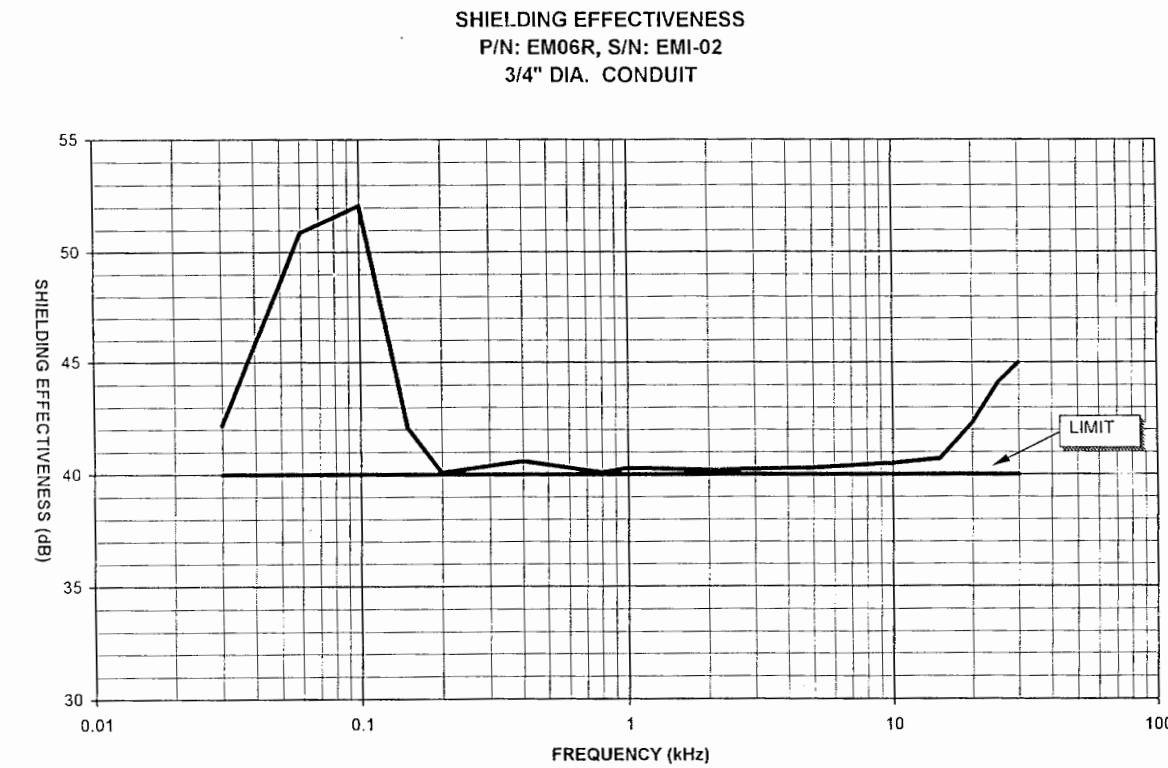
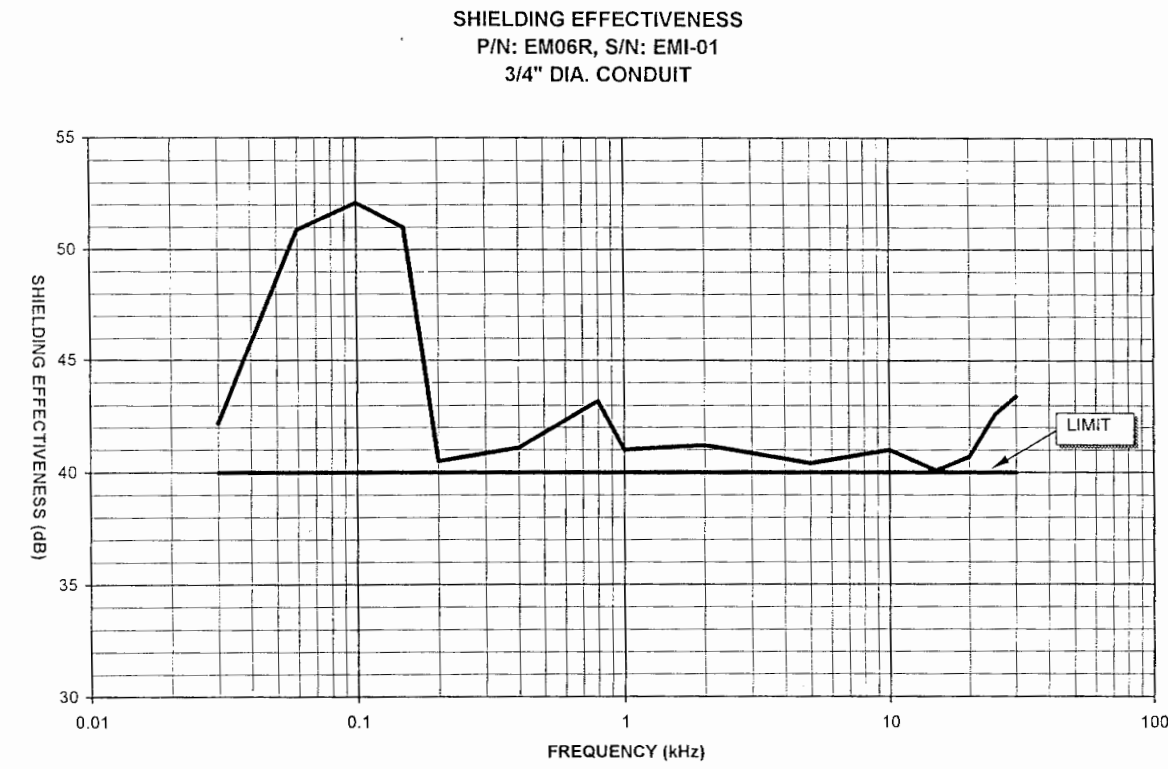
MATERIALS

Conduit - 80% Nickel, 20% Iron
Braided Shield - 304 CRES
Jacket - Neoprene standard, black (.080 wall thickness)

S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding



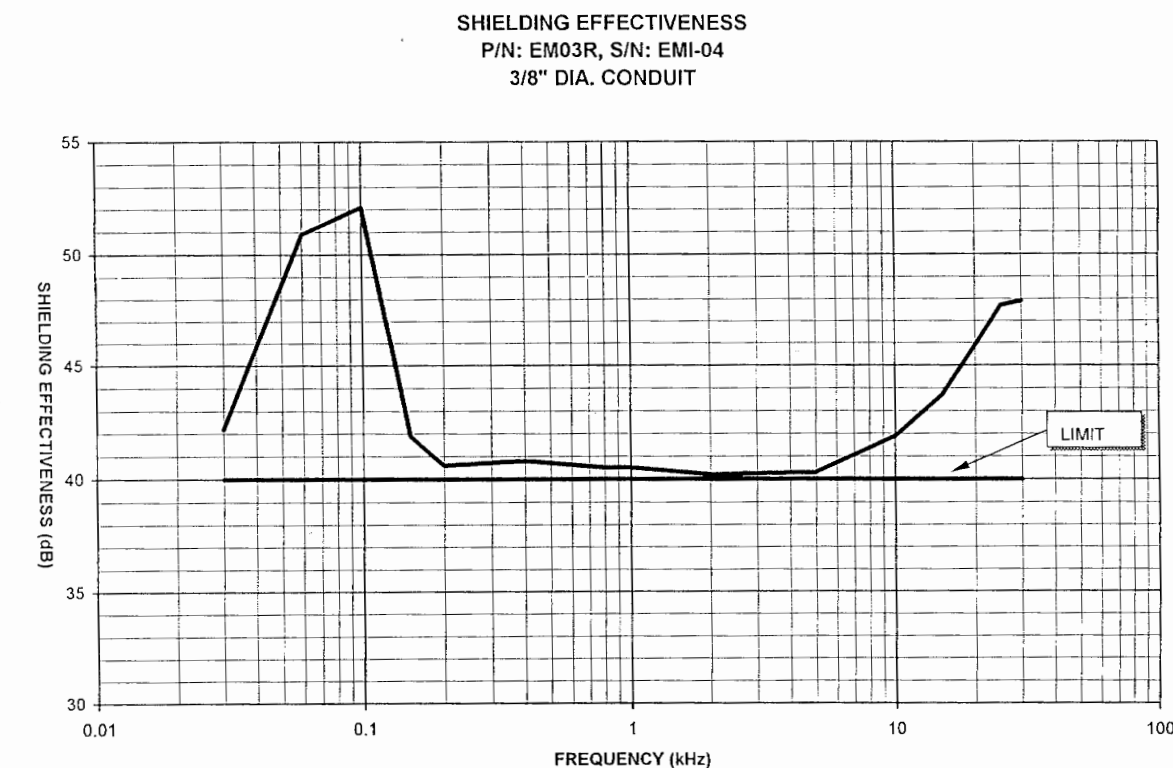
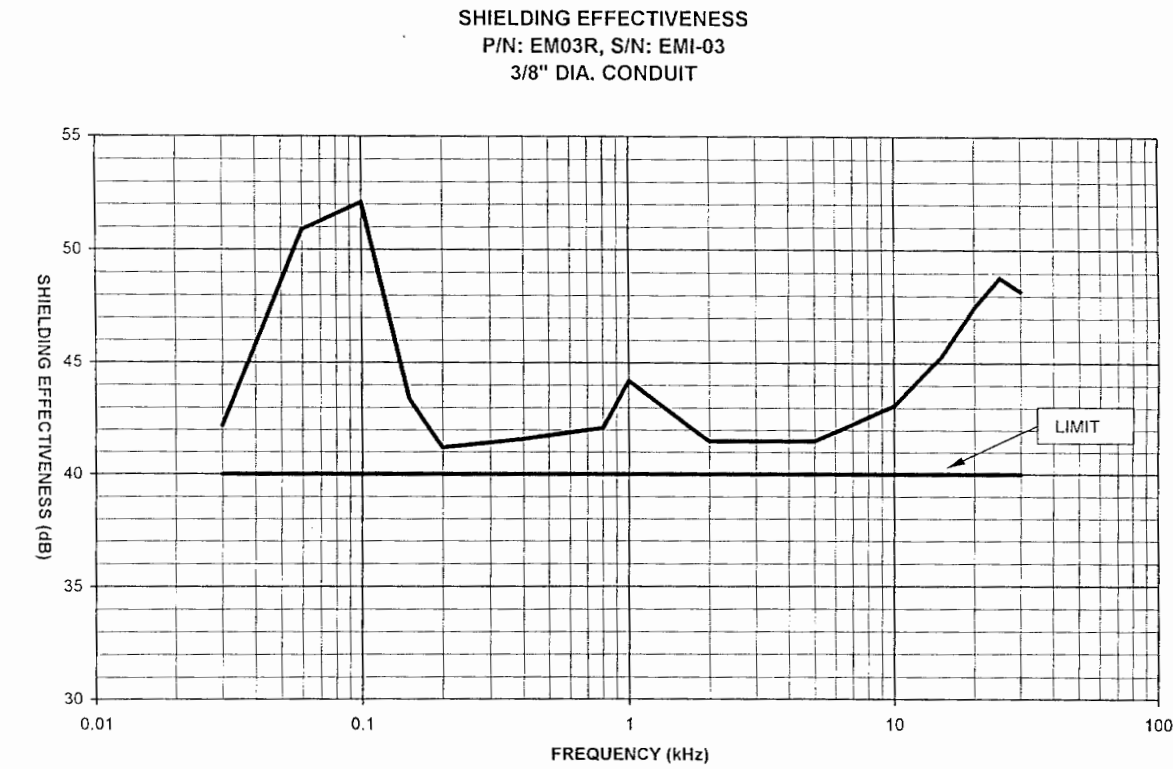
Shielding Effectiveness tables: Flexible Metal-Core Conduit



S9407-AB-HBK-010
Conduit Systems for Shipboard
Electromagnetic Shielding



Shielding Effectiveness tables: Flexible Metal-Core Conduit



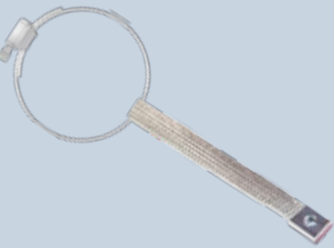
S9407-AB-HBK-010

Conduit Systems for Shipboard Electromagnetic Shielding

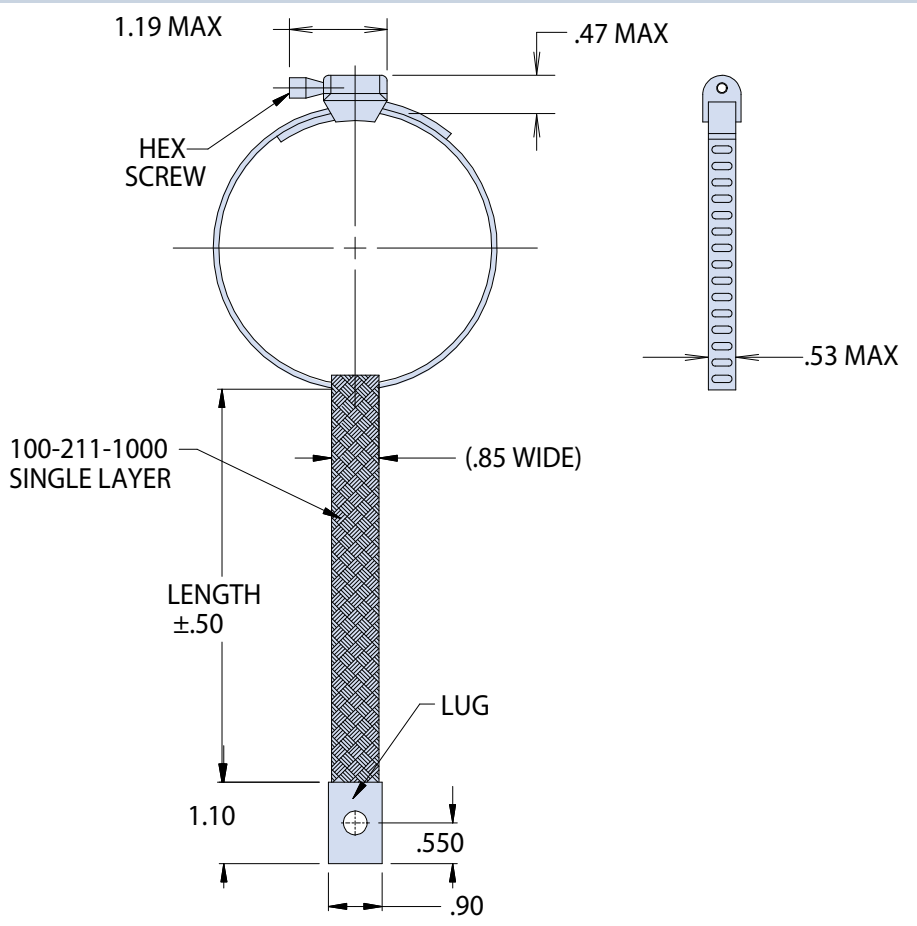
717-427 Grounding clamp for flexible metal-core conduit



GROUNDING CLAMP FOR FLEXIBLE METAL-CORE CONDUIT



How To Order				
Sample Part Number	717-427	-01	E	12
Basic Part Number	Grounding clamp for flexible metal-core conduit			
Dash No.	01, 02, 03, 04, 05, 06			
Lug code	A, B, C, D, E, F, G, H			
Length in inches				



MATERIALS

Clamp and hardware - 300 Series SST / passivated
Braid - 316L Stainless steel 36 AWG 50% / 200 Nickel 36 AWG 50%
Lug - 316L Stainless steel / passivated

HARSH-ENVIRONMENT STAINLESS STEEL/NICKEL Qualified MIL-DTL-24749 Rev. C Type IV

Mil-qualified for shipboard applications



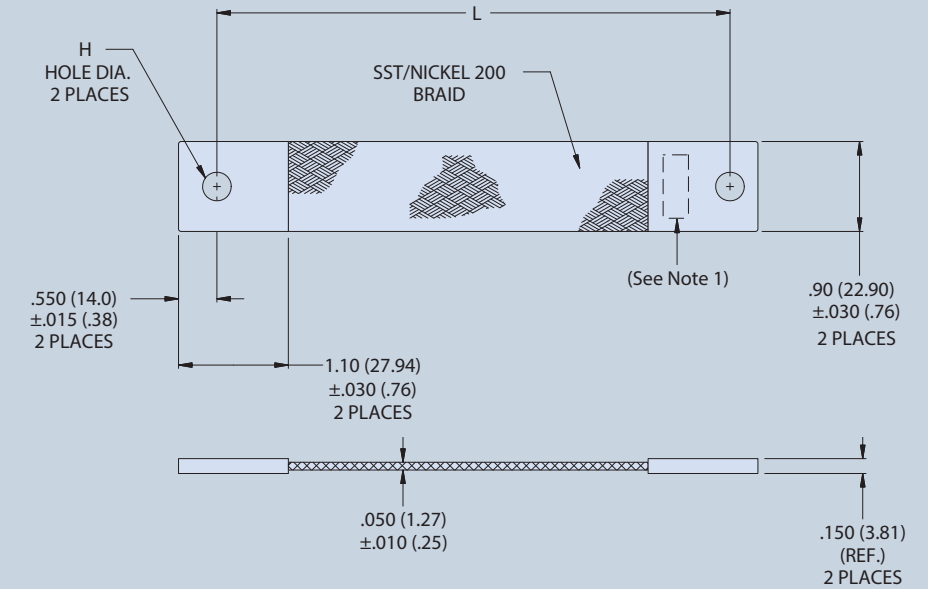
QPL MIL-DTL-24749 REV. C TYPE IV GROUND STRAPS



Glenair MIL-DTL-24749 Rev C Type IV ground straps solve harsh-environment shipboard corrosion and electrical resistance problems with a unique 50% Stainless Steel 316L / 50% Nickel 200 36AWG blend braid, and passivated Stainless Steel lugs. These US Navy-approved ground straps are qualified to the rigorous standards of M24749, and are tested beyond the mil-spec to survive 1000 hours salt spray. Allowed usages for Type IV straps can be found in MIL-STD-1310H.

How To Order				
Sample Part Number	M24749	-IV	-B	-L
Product Series	MIL-DTL-24749 Rev. C Type IV bond strap			
Bond Strap Type	IV = Flat CRES 316 / Nickel 200 braid with mounting lugs			
Standard Size Code	A = 6.0" length; .90" width; .406 H dia. D = 6.0" length; .90" width; .282 H dia. B = 12.0" length; .90" width; .406 H dia. E = 12.0" length; .90" width; .282 H dia. C = 18.0" length; .90" width; .406 H dia. F = 18.0" length; .90" width; .282 H dia. N = for non-standard sizes			
Non-Standard Length	Non-Standard length in inches (omit for standard sizes)			
Hole Diameter	Non-Standard diameter in inches (omit for standard sizes)			

- Meets the rigorous specifications of MIL-DTL-24749 Rev. C
- Tested to survive 1000 hours salt spray
- Unique Stainless Steel/ Nickel hybrid braid
- Available in six standard configurations, with non-standard length/lug size configurations available



NOTES

1. Lugs are ink stamped or electro-etched per M24749 Rev. C Min. character height .06 (1.52)
2. Codes A – F are standard lengths. To order non-standard straps, omit Standard Size Code and enter length (in inches) in part number.

MATERIAL/FINISH

Lugs - 316L Stainless Steel/Passivate
Braid - 316L Stainless Steel 36 AWG, 50%; 200 Nickel 36 AWG, 50%



Glenair MIL-DTL-24749 Rev. C Type IV
Stainless Steel/Nickel Ground Straps:
US Navy qualified and tested to survive
extreme environments



Fast and easy cold-action shrink boot and tubing solutions



Designed for rugged weathering, UV and ozone-resistant performance, Glenair Autoshrink is the one-piece easy-action shrink boot and tubing solution. Quickly attach shrink boots, splice insulation, or repair Glenair Duraelectric formula jacketing. Straight, 45° and 90° angle lipped shrink boots lock into boot groove on adapters to keep out environmental debris. Universal design Autoshrink tubing delivers reliable and durable sealing as well as mechanical protection for cable-end terminations in harsh military and industrial applications. Built from Glenair Duraelectric formula material, Autoshrink is fully hydrophobic and resistant to caustic chemicals and solvents. Easy-action spiral hold-out and large cold shrink ratio makes for fast installation and durable, split-resistant performance.



Mil-Aero / Industrial fluid-resistant lipped shrink boots

Fast and easy repair of Duraelectric-jacketed cables

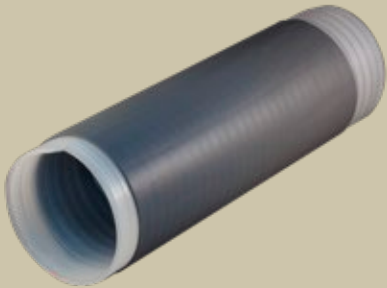
Utilize for termination of lugs on new installations

- **Straight, 45° and 90° angle-lipped shrink boots and shrink tubing**
- **Fast and easy installation**
- **Four high-performance material types**
- **Fire-resistance in all material types**
- **Reliable IP68 sealing**
- **3000 VAC rated**
- **Multiple color options**
- **Service temperature range: -65°C to 300°C**
- **Ideal for repair of cables and conduit with Duraelectric jacketing**
- **Extreme UV / sunlight resistance**
- **Integrated ground strap versions available**



Fast cold-action shrink tubing for environmental protection of conduit-to-fitting transitions and jacket repair

FOR REPAIR OF CONDUIT JACKETING AND ENVIRONMENTAL PROTECTION OF CONDUIT ADAPTERS



How To Order				
Sample Part Number	777-004	-01	-6	-0
Product Code-Basic No.	AutoShrink			
Size Code	See Table I			
Length	in Inches. 3" min., 12" max.			
Color Code	See Table II			

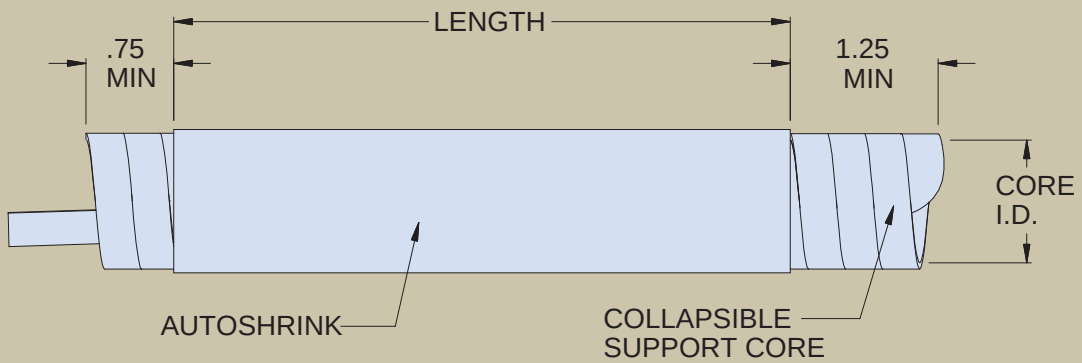


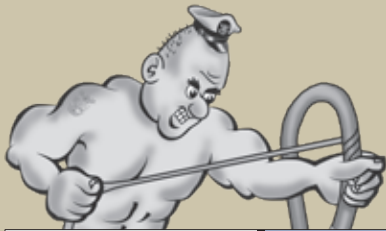
Table II - AutoShrink Color Option		
Code	Color	Reference
0	Black	FED-STD-595C; #17038
1	Desert Tan	FED-STD-595C; #33446
2	Red	FED-STD-595C; #11120
3	Orange	FED-STD-595C; #12300
4	Yellow	FED-STD-595C; #13591
5	Green	FED-STD-595C; #14193
6	Blue	FED-STD-595C; #15125
7	Purple	FED-STD-595C; #17142
8	Gray	FED-STD-595C; #26270
9	White	FED-STD-595C; #17875

Table I - Size, Dimensions, Wire Bundle Range						
Dash No.	Tube I.D. after unrestricted shrinkage (ref)		As Supplied Core I.D.		Ref. Wire Bundle Range min / max	
	In.	mm	In.	mm	In.	mm
01	0.250	6.4	0.80	20.3	0.35 / 0.65	8.9 / 16.5
02	0.375	9.5	1.18	30.0	0.55 / 1.00	14.0 / 25.4
03	0.625	15.9	2.00	50.8	0.85 / 1.65	21.6 / 41.9
04	0.750	19.1	2.34	59.4	1.00 / 2.00	25.4 / 50.8
05	0.937	23.8	2.75	69.9	1.25 / 2.50	31.8 / 63.5
06	1.437	36.5	4.00	101.6	2.00 / 3.85	50.8 / 97.8

NOTES

Length in expanded form may be less than length after unrestricted shrinkage.
Material: Duraelectric per GPS67-E1. • Extruded wall thickness: .062
779-005 Adhesive (sold separately) may be specified for applications that require extraordinary environmental sealing performance

MASTER SEAL SELF-VULCANIZING REPAIR TAPE



Order Part Number 687-758

Designed for temporary repairs to topside conduit, Glenair Master Seal stops water incursion into conduit until a permanent repair using MIL-PRF-24758A Conduit can be effected.



NAVSEA-Approved
Shielded Composite
Junction Boxes



Durable, lightweight corrosion-free EMI/RFI
shielded composite junction boxes NAVSEA
standard drawing 803-6983506 Rev. B

- Over a dozen different
tooled sizes and shapes.
- Extremely durable,
corrosion-free, high
temperature engineering
composite thermoplastic
- Tested and qualified to
U.S. Navy, UK MOD and
hundreds of commercial
aircraft and marine
applications

Series 316 stainless steel
hardware provides long-
term durability

Unlimited corrosion
resistance compared to
metal junction boxes
reduces repair and
maintenance costs.

Glass reinforced
composite
thermoplastic
material is strong
and durable,
yet extremely
lightweight.



IP67 rated seals and
gaskets protect equipment
from moisture and dust

◀ Example box shown: one of
a series of NAVSEA-approved
signal, switch, sound power,
control boxes designed to
eliminate corrosion damage
and reduce maintenance
cost on Navy ships

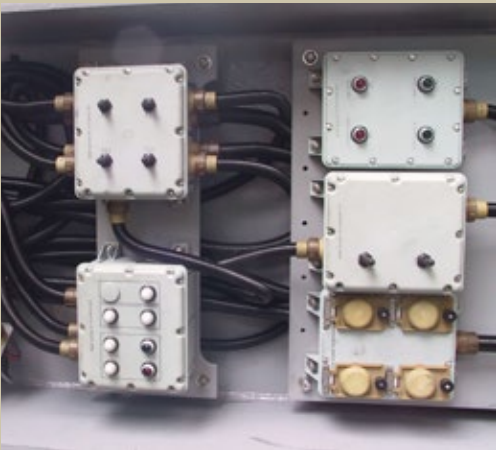
NAVSEA-APPROVED
Composite Junction Boxes
for Naval applications



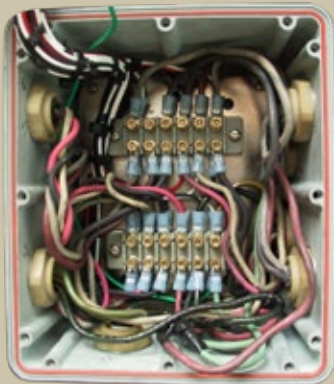
TESTED AND QUALIFIED THROUGHOUT THE FLEET: GLENAIR CORROSION-FREE COMPOSITE BOXES



Broad range of sizes and shapes



Complex installations fully supported with feed-thru
fittings and wire protection conduit



Discrete components or turnkey wired
and connectorized systems

Glenair Composite Box Product Specifications		
Description/Test Report	Requirement	Procedure
Plating Adhesion <i>Glenair #9-44-18/TN94-159</i>	Should not exhibit any blistering, peeling or other separation of the units plating.	Tested IAW MIL-DTL-38999.
Vibration <i>NTS #973-7369-2</i>	Should not exhibit loosening of component parts or evidence of damage.	Tested IAW MIL-STD-167 Type 1 for box units and MIL-STD-1344, Method 2004 Condition II for fittings and accessories.
Shock <i>MOD #BR8470 Grade C and F</i>	There shall be no loosening of parts or evidence of damage.	Tested IAW MOD BR 8470 Grade C and F.
Salt Spray <i>Glenair #9-44-18/TN94-159</i>	Should exhibit no exposure of underplate or base material.	Tested IAW MIL-STD-1344, Method 1001.
Dust <i>NTS #973-7369-1</i>	Should conform to required torque limits and functional requirement within 25%.	Tested IAW MIL-STD-202.
UV Light Resistance <i>GE RDM88050255-6042</i>	No degradation of the mechanical properties defined in the specification after testing.	Tested IAW ASTM D2565.
Impact <i>MIL-STD-1344, Method 2018</i>	No evidence of breaking or cracking of components or other damage that could affect the product performance.	Tested IAW MIL-STD-1344, Method 2018.
Temperature Cycling <i>NTS #575-9249</i>	No cracking, peeling or separation of plating or other functional damage.	Tested IAW MIL-STD-1344, Method 1003 at -65°C to 200°C.
Hydrolytic Stability <i>NTS #878-536</i>	No evidence of increased weight greater than 1% and no evidence of cracking, breaking or loosening of component parts.	Tested IAW ASTM D570-81.
Flammability <i>MIL-STD-1344, Method 1012, Smoke Index, NES 711 Issue 2, NES 713 Issue 3 and ISO 4589</i>	The item flame and after flow extinguishing time shall not exceed the defined limits.	Tested IAW Table II of MIL-STD-1344, Method 1012, Smoke Index, NES 711 Issue 2, NES 713 Issue 3. Burning behavior by Oxygen Index, ISO 4589.
Water Tightness <i>EA #0C13513-039514</i>	Water tightness and internal pressurization is maintained.	Tested IAW EA #0C13513-039514.
Outgassing <i>JPL #081892</i>	Maximum allowable weight loss is 10%.	Tested IAW ASTM E 595.
Electromagnetic Shielding <i>TRW/ABQ-55C-1186-0</i>	Should demonstrate shielding effectiveness and transfer impedance conforming to military industry standards and specific customer requirements.	Tested IAW TRW/ABQ-55C-1186-0.



Outstanding
repositionable backshell
for harsh-environment
applications



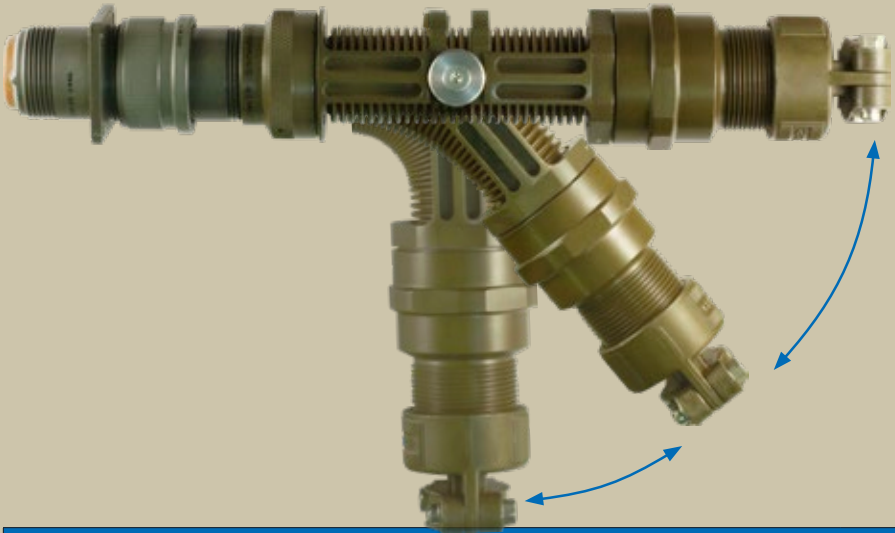
Designed for use in rugged shipboard applications as well as military ground systems such as armored vehicles, the Glenair BacNav OFS delivers outstanding mechanical, electrical, and environmental performance. The innovative design incorporates an environmentally-sealed, EMI shielded core with a locking pivot that facilitates cable routing and eliminates the need to stock discrete straight, 45° and 90° variants of standard wire sealing, strain relief, and EMI shield termination backshells. Built to withstand the handling abuse that topside and below-deck electrical and fiber optic interconnect systems are routinely subjected to by ham-fisted sailors and marines, the BacNav OFS is purpose-designed to deliver life-of-ship and life-of-system performance and durability. Available for the broad range of power, signal, and fiber optic connector systems—including MIL-PRF-28876 and MIL-PRF-64266 (fiber optics) to MIL-DTL-28840, AS50151, and more—BacNav OFS meets every current requirement for backshell-equipped connectorized cabling.



Designed for above and below deck shipboard use and other harsh environmental applications, BacNav OFS delivers submersible environmental protection for electrical and fiber optic interconnect systems.

- **Easy repositioning from straight, 45° and 90° cable-exit orientations**
- **Submersible performance without the need for shrink boots**
- **Durable, flexible EMI/RFI and environmentally-sealed core with locking-pivot Swing-Arm™ frame**
- **Accommodates power, signal and fiber optic jacketed cables**
- **Reposition terminated cables with no impact on signal integrity or system performance**
- **Easy repeatable assembly process using standard tools**

SERIES 390
BacNav OFS repositionable
harsh-environment backshell
Outstanding, flexible performance



BacNav OFS is the only fully-sealed EMI/RFI backshell and strain relief device that delivers fast and easy cable angle configuration in the field—using a common 7/64" hex wrench, and without decoupling from the connector and/or cable. The sealed, flexible connector backshell adjusts to straight, 45° and 90° cable angles with zero impact on signal integrity or system performance.

PERFORMANCE DATA		
DESCRIPTION	REQUIREMENT	STANDARD
Magnetic permeability	Less than 2.0μ	EIA-364-54
Shell conductivity	< 2.5 milliohms ⁽²⁾	EIA 364-83
Salt spray (corrosion)	No exposure of basis material as defined in AIR4789 for 500 hours ⁽²⁾	EIA 364-26
Vibration	CIT <0.5dB No discontinuities ⁽¹⁾ No damage	MIL-STD-167-1A (SHIPS), paragraph 5.1.2.4.6 (endurance test)
Shock	CIT <0.5dB No discontinuities ⁽¹⁾ No damage	MIL-S-901D, grade A, Class 1
Water pressure	10 meters for 48 hours (IP68)	QTP-384
Cable pullout	No slippage exceeding 1/8" CIT <0.5dB ⁽¹⁾	EIA 364-38 TIA-455-6
Coupling thread strength	No damage at 3X magnification	AS85049 (Heavy Duty)
External bending moment	300-750 in-lbs (size dependant)	AS85049 (Heavy Duty) QTP-384
Fluid immersion	No changes detrimental to performance ⁽²⁾	EIA 364-10
Insertion loss	MIL-STD-1678-2 Appendix C, Table 2101 C-I	TIA-455-34 Method A
Cable seal flexing	100 cycles/axis	TIA-455-1
Twist	50 cycles • No damage/leaks	TIA-455-36
Impact	8 drops • No damage detrimental to performance	TIA-455-2 Method B
Crush	7 cycles 1,250 N (281 lbs)	TIA-455-26
Thermal Shock	5 cycles -40°C to +85°C (-40°F to +185°F)	TIA-455-71
Temp/humidity cycling	No damage detrimental to performance	TIA-455-5 Method B
Temperature cycling	No damage detrimental to performance	TIA-455-3
Life Aging	10 cycles	QTP-384-F
Freezing water immersion	No damage detrimental to performance	TIA-455-98
Sand and dust	No damage detrimental to performance	TIA-455-35
Modified SO2/salt spray	240 hours • No damage detrimental to performance ⁽²⁾	ASTM G85 + Annex A4

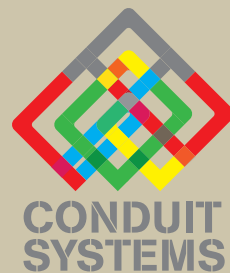
⁽¹⁾ Tested with MIL-PRF-28876 Multi-mode Fiber-Optic connectors ⁽²⁾ Tested with Cadmium/Olive-Drab finish option (code NF)

MORE ADVANCED GLENAIR BACKSHELL TECHNOLOGY: FIREWALL AND PRESSURE BOUNDARY
FEED-THRU

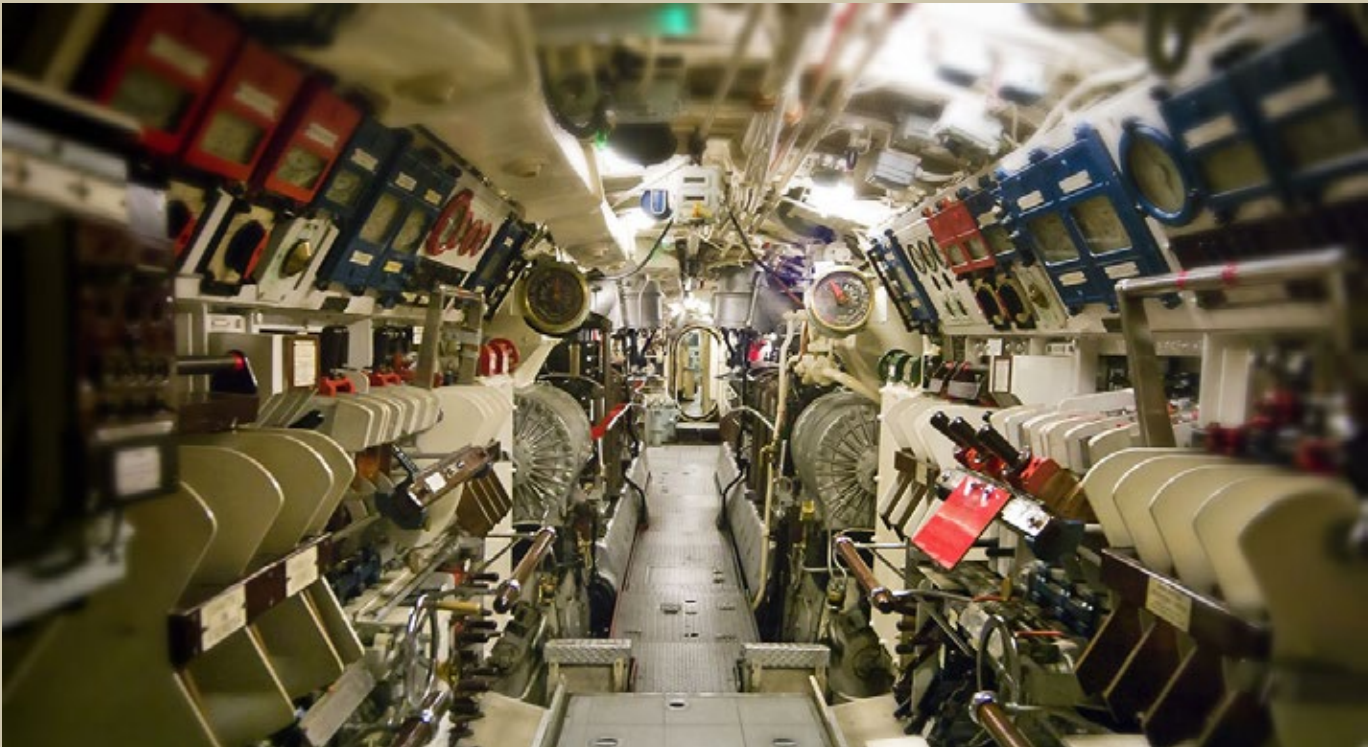


- **High-grade engineering thermoplastic or machined metal**
- **Six pressure-boundary feed-thru layouts with accommodation for 1 – 6 cables**
- **Split-shell jam nut versions with EMI/RFI shield termination porch**
- **O-ring sealed panel and box mounting interface**
- **Conductive and non-conductive finish options**

WIRE PROTECTION



US Navy Qualified Helical
Metal-Core Conduit for Above-
and Below-Deck Shipboard
Wire Routing Applications



Improved sealing and shielding: the ultimate in highly
flexible, crush-proof EMI/EMP wire protection

- Hermetically sealed, flexible metal-core conduit for shipboard wire interconnect applications
- UV-resistant “BlueJacket” jacketing over Brass, Stainless Steel, or Nickel Iron Alloy conduit
- Turnkey, factory-terminated assemblies for fast-turnaround dockside maintenance cycles
- All materials deliver superior EMC performance as well as crush resistance and environmental sealing compared to legacy systems

Glenair
SIGNATURE SERIES



Part Number
750-098

Select for superior crush resistance and corrosion protection

Highly flexible crush-proof metal conduit in stainless steel with Viton, Neoprene, or Bluejacket protective covering

Part Number
750-192

Select for low-frequency EMC protection in and around motors and control equipment

Nickel-iron conduit material plus shielding and jacketing

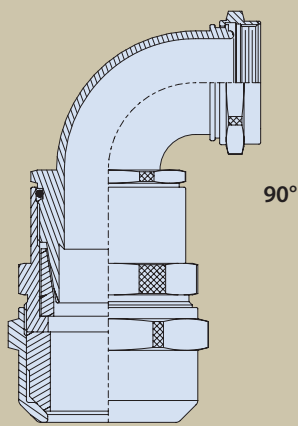
MIL-PRF-24758A NAVSEA-APPROVED
Metal-Core Conduit Wire Protection Systems



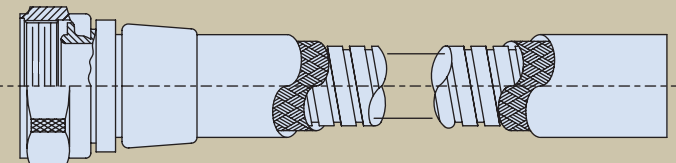
US Navy Qualified Brass, CRES, and Nickel-Iron, with
Glenair Signature “BlueJacket” jacketing

- Qualified to MIL-PRF-24758A(SH)
- User-installable and factory terminated configurations
- Innovative fitting design with advanced environmental sealing, EMI shield termination and rotatable coupling nut
- Adapters for all shipboard interfaces—fully compatible with legacy MIL-C-24758 conduit system components

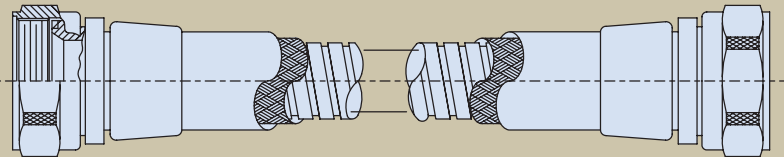
Do it once, do it right with Glenair Signature MIL-PRF-24758A
wire protection conduit systems



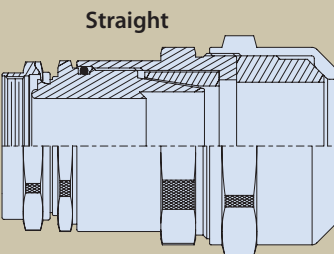
90°



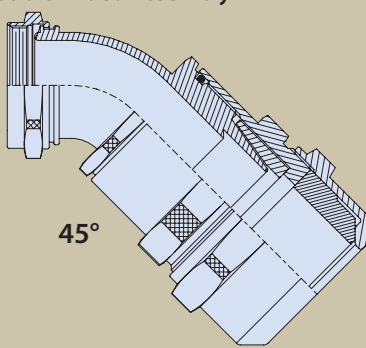
Single Ended Assembly



Double Ended Assembly



Straight



45°

MIL-PRF-24758A
Configuration Options:
Choose from high-
performance user-
installable fittings or
lighter-weight factory
terminated assemblies



FITTINGS AND ADAPTERS FOR USER-INSTALLED APPLICATIONS



Composite
conduit splice
fitting



Stainless steel
conduit feed-thru
fitting



Low-Profile
RP Plus
System



Heavy-duty
environmental
conduit-to-panel
fitting



Heavy-duty
environmental
conduit-to-connector
fitting

WIRE PROTECTION

COMPOSITE AND METAL
Piggyback shrink boot feed-thru

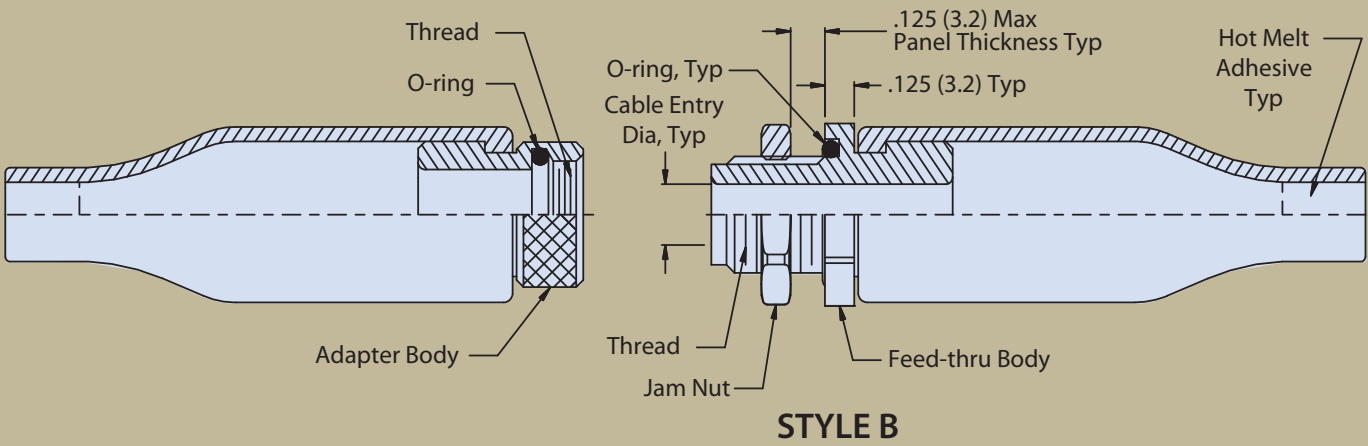
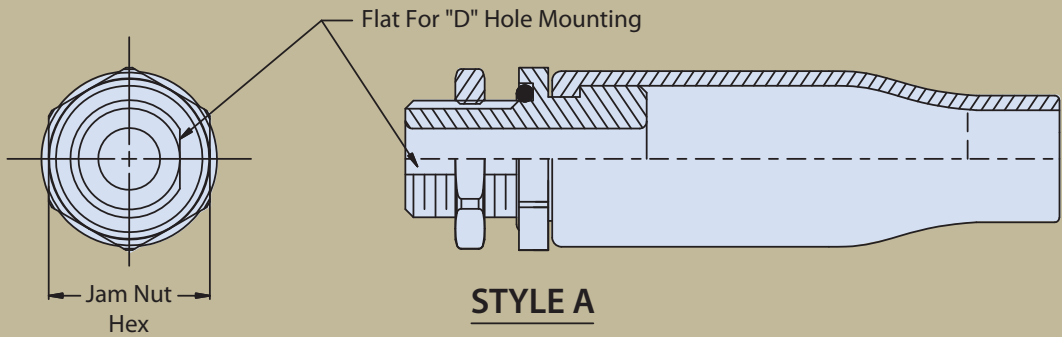
Backshells with integrated partially-recovered
heat shrink boots for fast, repeatable, reliable installation



630-101 METAL PIGGYBACK BOOT FEED-THRU



How to Order						
Sample Part Number	630-101	NF	10	A	-2	D
Product Series	630-101 = Metal Feed-Thru					
Finish Symbol	M = Electroless nickel MT = Nickel-PTFE NF = Cad/O.D. over electroless nickel (500 hour salt spray) ZR = Zinc-nickel, black over electroless nickel					
Dash Number	07, 08, 09, 10, 11, 13, 15, 17, 19, 21, 23, 25, 27, 30, 32, 34, 36 (see sales drawing for details)					
Style	A = Feed-thru and shrink boot (one side) B = Feed-thru with shrink boots on both sides					
Boot Material Type	-1 = Type 1 high-performance semi-rigid elastomer -2 = Type 2 zero-hal semi-rigid polyolefin -3 = Type 3 general-purpose flexible polyolefin					
Mounting Hole Type	D = 'D' type mounting hole, available for style A only Omit for none					



MATERIAL/FINISH

- Feed-thru bodies, adapter and jam nut: aluminum alloy
- O-ring: Silicone/N.A.
- Shrink Boot: Elastomeric/N.A.

COMPOSITE AND METAL
Piggyback shrink boot feed-thru

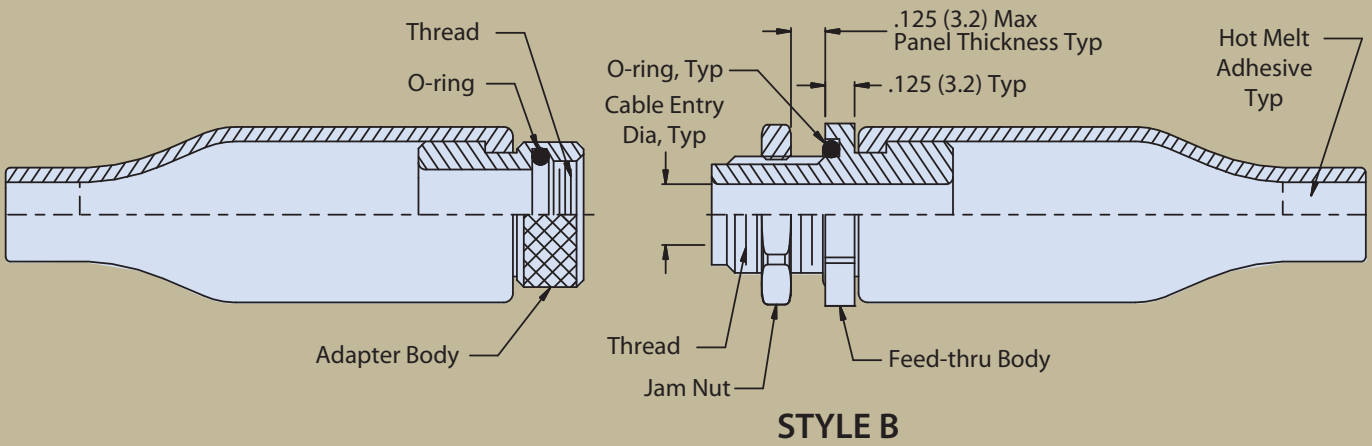
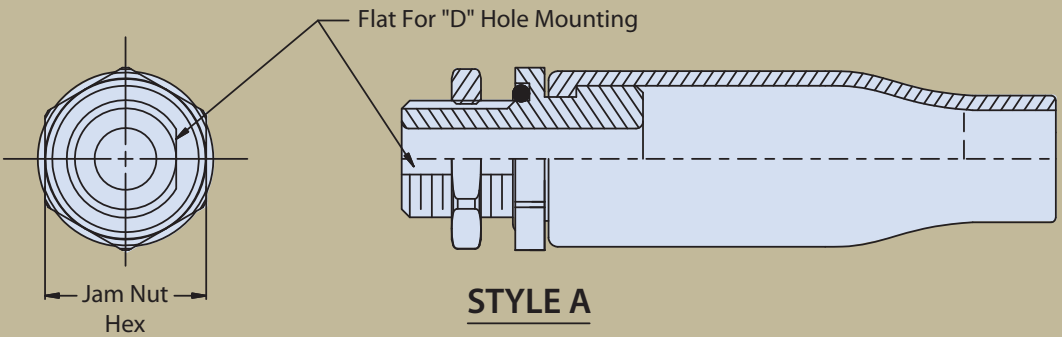
Backshells with integrated partially-recovered
heat shrink boots for fast, repeatable, reliable installation



630-103 COMPOSITE PIGGYBACK BOOT FEED-THRU



How to Order						
Sample Part Number	630-103	XM	07	A	-2	D
Product Series	630-103 = Composite Feed-Thru					
Finish Symbol	XM = Electroless nickel XW = Cad/O.D. over electroless nickel XZR = Zinc-nickel, black over electroless nickel XMT = Nickel-PTFE					
Dash Number	07, 08, 09, 10, 11, 13, 15, 17, 19, 21, 23, 25, 27, 30, 32, 34, 36 (see sales drawing for details)					
Style	A = Feed-thru and shrink boot (one side) B = Feed-thru with shrink boots on both sides					
Boot Material Type	-1 = Type 1 high-performance semi-rigid elastomer -2 = Type 2 zero-hal semi-rigid polyolefin -3 = Type 3 general-purpose flexible polyolefin					
Mounting Hole Type	D = 'D' type mounting hole, available for style A only Omit for none					



MATERIAL/FINISH

- Feed-thru bodies, adapter and jam nut: high-grade engineering thermoplastic
- O-ring: Silicone/N.A.
- Shrink Boot: Elastomeric/N.A.

COMPOSITE AND METAL

Piggyback shrink boot adapters

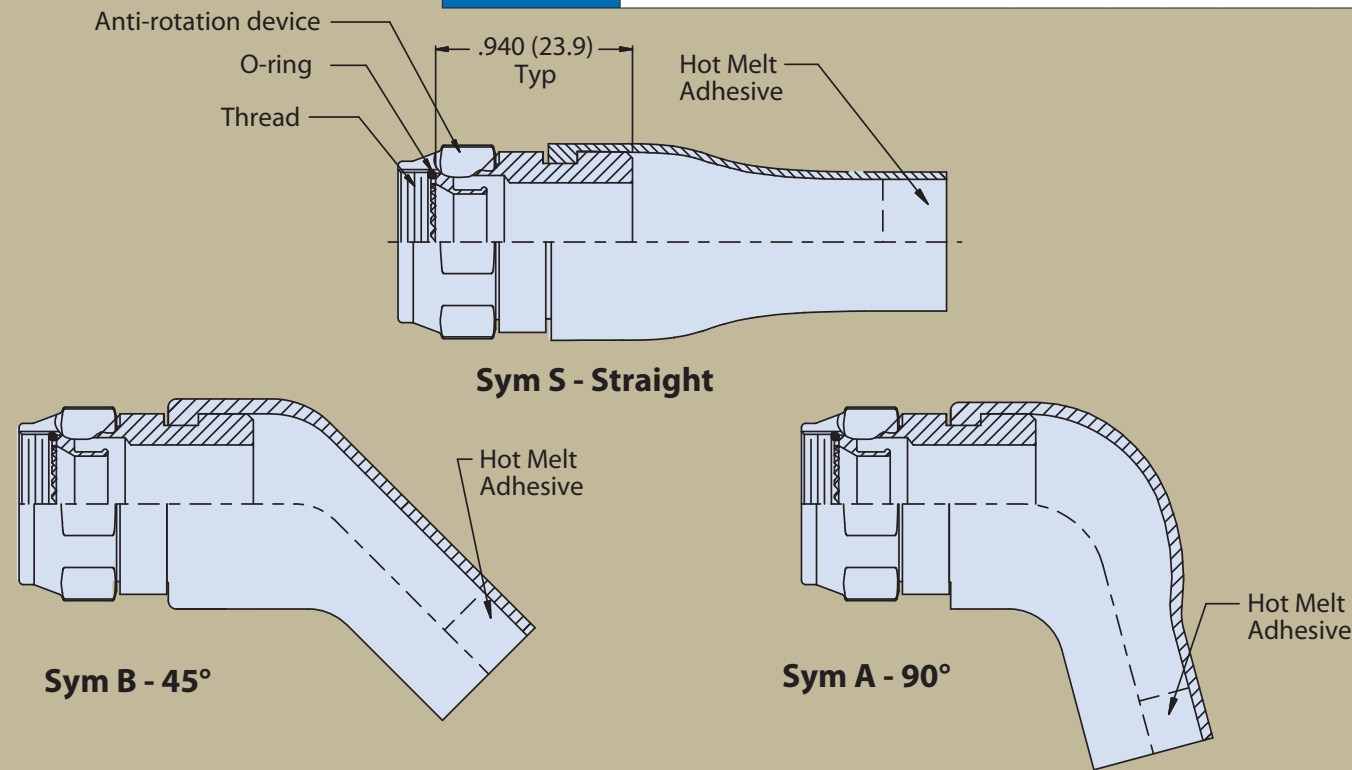
Backshells with integrated partially-recovered heat shrink boots for fast, repeatable, reliable installation



310-057 COMPOSITE PIGGYBACK BOOT ADAPTER FOR MIL-DTL-5015, MIL-DTL-26482, OR MIL-DTL-28840 CONNECTORS



How to Order									
Sample Part Number	310	A	S	057	BM	16	-2	K	
Product Series	310 = Environmental piggyback boot								
Connector Designator	A = MIL-DTL-5015 or MIL-DTL-26482 connectors G = MIL-DTL-28840 connector								
Angle	S = Straight A = 90° B = 45°								
Basic Number	057								
Finish Symbol	BM = Electroless nickel BMT = Nickel-PTFE BNS = Elective plating, nickel and cad O.D. see detail B								
Shell Size	08, 10, 12, 14, 16, 18, 20, 22, 24, 28 (5015 / 26482 connectors) 11, 13, 15, 17, 19, 23, 25 (28840 connectors) (see sales drawing for details)								
Boot Material	-1 = Type 1 high-performance semi-rigid elastomer -2 = Type 2 zero-hal semi-rigid polyolefin -3 = Type 3 general-purpose flexible polyolefin								
Pre-Coiled Band	K = Pre-coiled band Omit for none								



MATERIAL/FINISH

- Coupling nut and adapter: high-grade engineering thermoplastic, black
- Drop-in adapter: brass/electroless nickel • Anti-decoupling device: high-grade engineering thermoplastic • O-ring: silicone/none • Band: SST/passivated

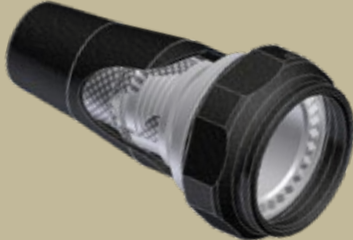
COMPOSITE AND METAL

Piggyback shrink boot adapters

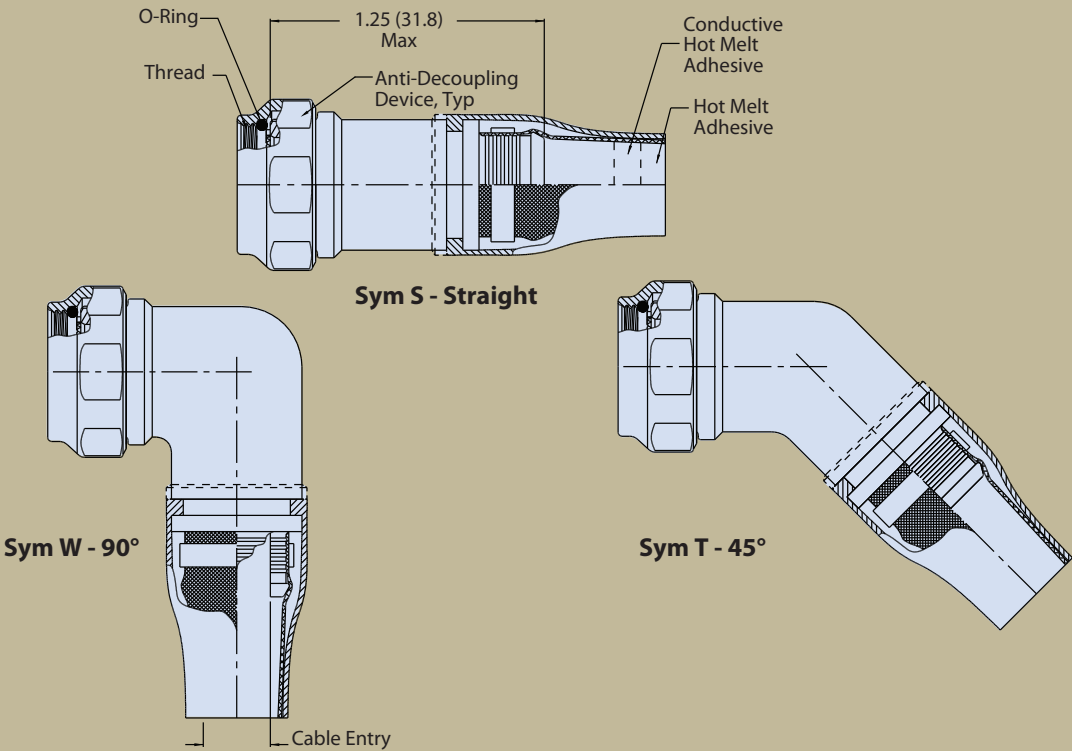
Backshells with integrated partially-recovered heat shrink boots for fast, repeatable, reliable installation



319-183 COMPOSITE PIGGYBACK BOOT ADAPTER WITH INTEGRATED SHIELD SOCK FOR MIL-DTL-5015, MIL-DTL-26482, OR MIL-DTL-28840 CONNECTORS



How to Order											
Sample Part Number	319	A	S	183	XM	19	B	2			
Product Series	319 = Environmental piggyback boot										
Connector Designator	A = MIL-DTL-5015 or MIL-DTL-26482 connectors G = MIL-DTL-28840 connector										
Angle	S = Straight W = 90° T = 45°										
Basic Number	183										
Finish Symbol	XM = 2000 hr. corrosion-resistant electroless nickel XMT = 2000 hr. corrosion-resistant nickel-PTFE XW = 2000 hr. corrosion-resistant cad/OD over electroless nickel										
Shell Size	08, 10, 12, 14, 16, 18, 20, 22, 24, 28 (5015 / 26482 connectors) 11, 13, 15, 17, 19, 23, 25 (28840 connectors) (see sales drawing for details)										
Braid Option	A = 100% AmberStrand® B = 75%/25% AmberStrand® Blend - = Nickel/Copper 34 AWG T = Tin/Copper 34 AWG L = Armorlite™										
Boot Material	-1 = Type 1 high-performance semi-rigid elastomer -2 = Type 2 zero-hal semi-rigid polyolefin -3 = Type 3 general-purpose flexible polyolefin										



MATERIAL/FINISH

- Elbow, adapter, coupling nut, anti-decoupling device : high-grade engineering thermoplastic
- Drop-in adapter: brass/electroless nickel • O-ring: silicone/none • Band: SST/passivated

COMPOSITE AND METAL

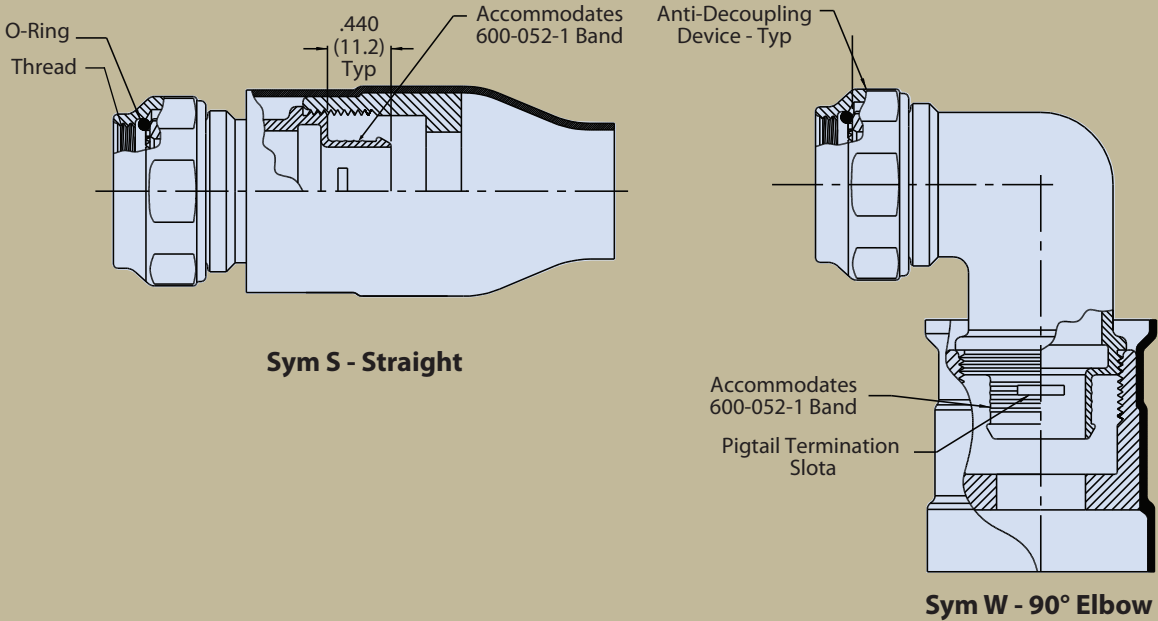
Piggyback shrink boot adapters

Backshells with integrated partially-recovered heat shrink boots for fast, repeatable, reliable installation

443-033 COMPOSITE PIGGYBACK BOOT ADAPTER FOR FOR MIL-DTL-5015, MIL-DTL-26482, OR MIL-DTL-28840 CONNECTORS



How to Order											
Sample Part Number	443	A	S	033	XM	19	20	K	S	-2	
Product Series	443 = Environmental piggyback boot										
Connector Designator	A = MIL-DTL-5015; MIL-DTL-26482 Sr. II G = MIL-DTL-28840										
Angular Function	S = Straight W = 90°										
Basic Number	033										
Finish Symbol	XM = 2000 hr. corrosion-resistant electroless nickel XMT = 2000 hr. corrosion-resistant nickel-PTFE XW = 2000 hr. corrosion-resistant cad/OD over electroless nickel										
Shell Size	08, 10, 12, 14, 16, 18, 20, 22, 24, 28 (5015 / 26482 connectors) 11, 13, 15, 17, 19, 23, 25 (28840 connectors) (see sales drawing for details)										
Entry Code	10, 12, 14, 16, 18, 20, 22, 24, 28, 32										
Band Option	K = Pre-coiled band Omit for none										
Slot Option	S = Pigtail slot Omit for none										
Boot Material Type	-1 = Type 1 high-performance semi-rigid elastomer -2 = Type 2 zero-hal semi-rigid polyolefin -3 = Type 3 general-purpose flexible polyolefin										



MATERIAL/FINISH

- Elbow, adapter, coupling nut, body clamp, support ring, anti-decoupling device: high-grade engineering thermoplastic
- Hardware: CRES/passivated
- Drop-in adapter: brass/electroless nickel
- O-ring: silicone/none
- Band: SST/passivated

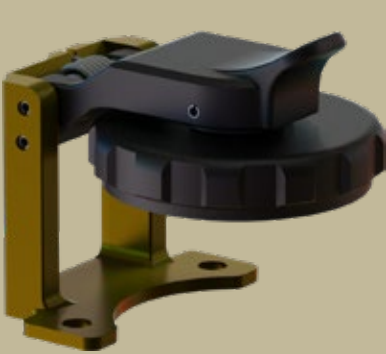
SPRING ACTION

ProSeal™ environmental connector covers

for MIL-DTL-5015, MS 3100, and MS3400 connectors
Threaded closure seal, full environmental

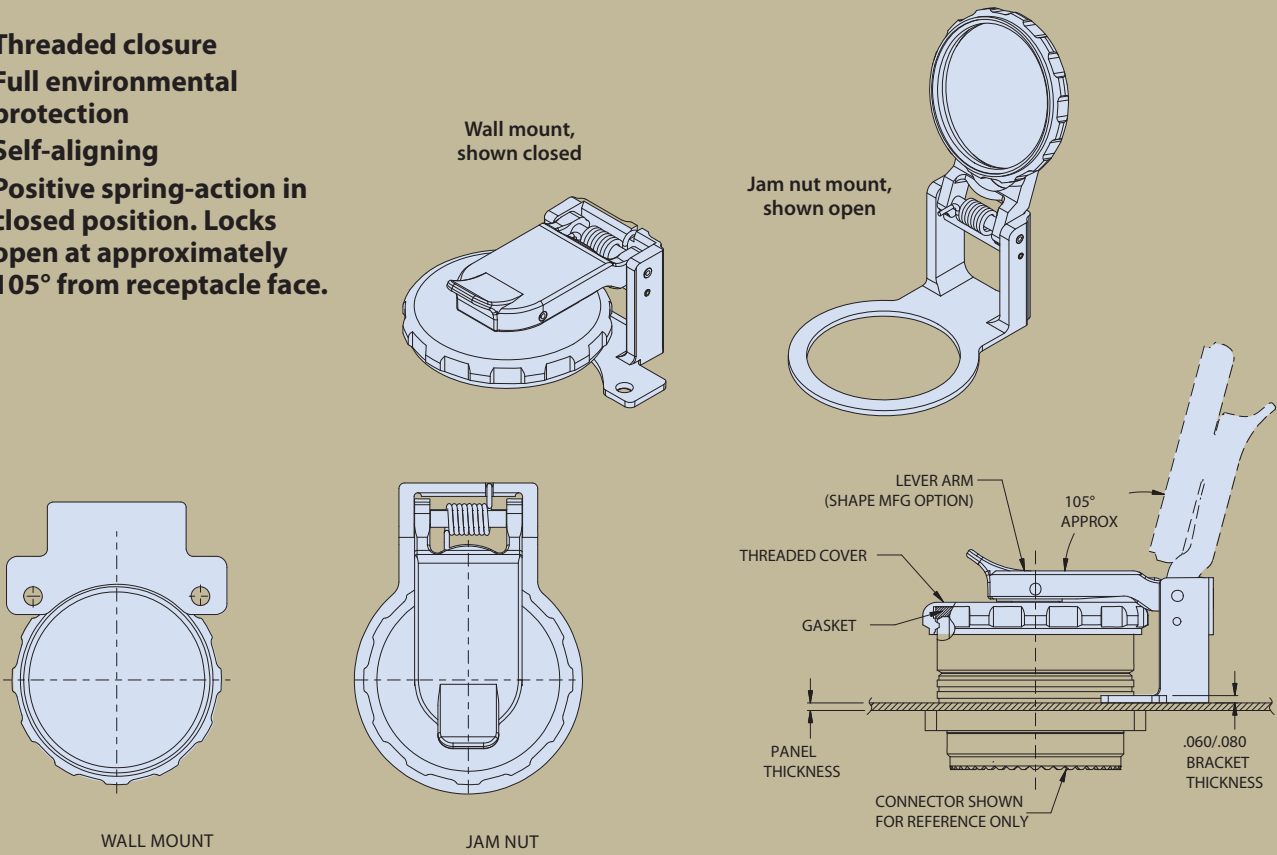


667-450 PROSEAL PROTECTIVE COVER FOR MIL-DTL-5015, MS3100, AND MS3400 CONNECTORS



How to Order 667-450											
Sample Part Number	667-450	NF	06	T1	W						
Series	ProSeal protective cover for MIL-DTL-5015, MS3100, and MS3400										
Finish	MT = Nickel-PTFE ZR = Zinc-Nickel, Black (Tri-Valent CR) M = Electroless Nickel NF = Cad / OD over Electroless Nickel C = Anodize / Black UC = Zinc Cobalt / Black										
Shell Size	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16										
Panel Thickness	T0 = .000" panel T1 = .062" (1.57mm) panel T2 = .125" (3.18mm) panel										
Type of Mounting	J = Jam Nut Mount Receptacle W = Wall Mount Receptacle										

- Threaded closure
- Full environmental protection
- Self-aligning
- Positive spring-action in closed position. Locks open at approximately 105° from receptacle face.



MATERIAL / FINISH

- Cover, Lever Arm, Gimbal - Thermoplastic / Black
- Bracket - Aluminum
- Spring / Pin / Rivet - 300 Series SST / Passivate
- Sleeve - Delrin
- Gasket - Silicone (optional)

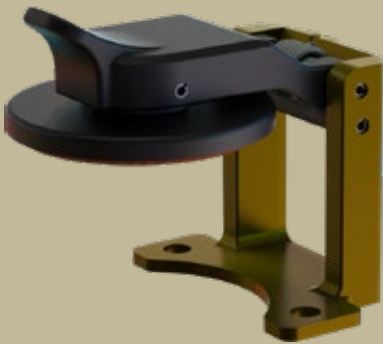
WIRE PROTECTION

WIRE PROTECTION

SPRING ACTION
ProSeal™ environmental connector covers

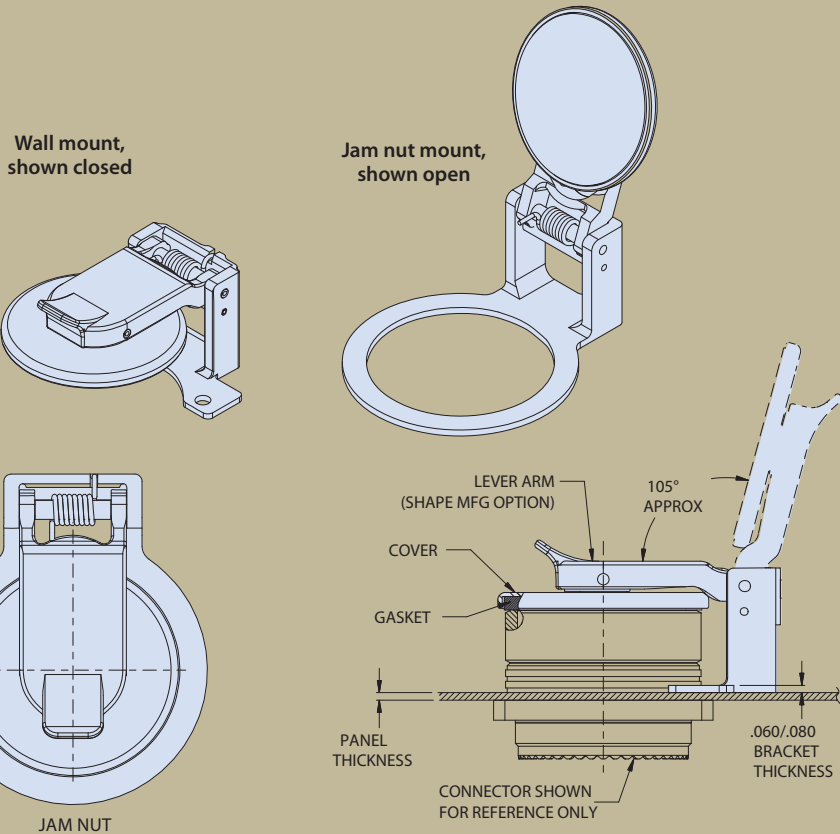
for MIL-DTL-5015, MS 3100, and MS3400 connectors
Pressure seal, dust and immersion resistant

667-451 PROSEAL PROTECTIVE COVER FOR MIL-DTL-5015, MS3100, AND MS3400 CONNECTORS



How to Order 667-451					
Sample Part Number	667-451	NF	06	T1	W
Series	ProSeal protective cover for MIL-DTL-5015, MS3100, and MS3400				
Finish	MT = Nickel-PTFE ZR = Zinc-Nickel, Black (Tri-Valent CR) M = Electroless Nickel NF = Cad / OD over Electroless Nickel C = Anodize / Black UC = Zinc Cobalt / Black				
Shell Size	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16				
Panel Thickness	T0 = .000" panel T1 = .062" (1.57mm) panel T2 = .125" (3.18mm) panel				
Type of Mounting	J = Jam Nut Mount Receptacle W = Wall Mount Receptacle				

- Pressure seal, dust and immersion resistant
- Self-aligning
- Positive spring-action in closed position. Locks open at approximately 105° from receptacle face.



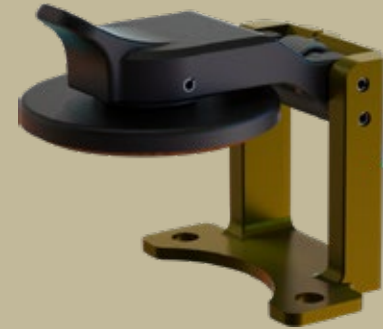
MATERIAL / FINISH
Cover, Lever Arm, Gimbal - Thermoplastic / Black
Bracket - Aluminum
Spring / Pin / Rivet - SST / Passivate
Sleeve - Delrin
Gasket - Silicone (optional)



SPRING ACTION
ProSeal™ environmental connector covers

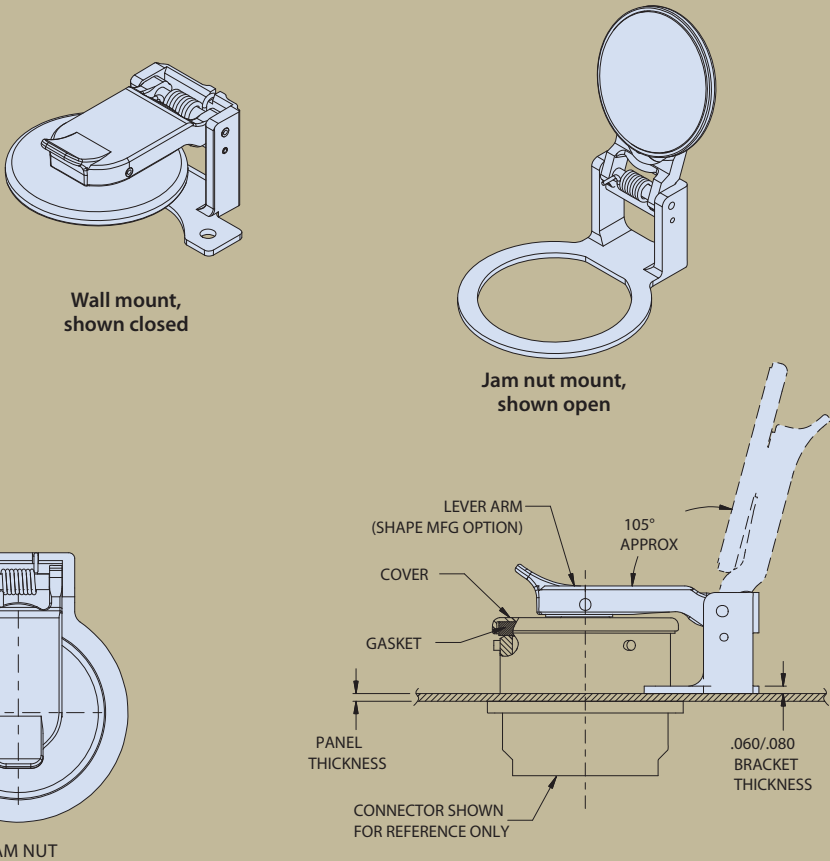
for MIL-DTL-26482 Series I and II connectors
Pressure seal, dust and immersion resistant

667-472 PROSEAL PROTECTIVE COVER FOR MIL-DTL-26482 SERIES I AND II CONNECTORS



How to Order 667-472					
Sample Part Number	667-472	NF	16	T1	W
Series	ProSeal protective cover for MIL-DTL-26482 Series I and II connectors				
Finish	MT = Nickel-PTFE ZR = Zinc-Nickel, Black (Tri-Valent CR) M = Electroless Nickel NF = Cad / OD over Electroless Nickel C = Anodize / Black UC = Zinc Cobalt / Black				
Shell Size	08, 10, 12, 14, 16, 18, 20, 22, 24				
Panel Thickness	T0 = .000" panel T1 = .031" (.78mm) or .062" (1.57mm) panel T2 = .125" (3.18mm) panel (see sales drawing for details)				
Type of Mounting	J = Jam Nut Mount Receptacle W = Wall Mount Receptacle				

- Pressure seal, dust and immersion resistant
- Self-aligning
- Positive spring-action in closed position. Locks open at approximately 105° from receptacle face.



MATERIAL / FINISH
Cover, Lever Arm, Gimbal - Thermoplastic / Black
Bracket - see Table II
Spring / Pin / Rivet - 300 Series SST / Passivate
Sleeve - Delrin
Gasket - Silicone (optional)

Glenair Mil-Spec Interconnect Technologies



Qualified Products: Glenair is a Mil-Aero connector supplier. Our product quality begins in engineering (the largest team in the high-performance interconnect business) and is realized in our “made in the USA” vertically-integrated manufacturing cells. One of the key ways we ensure both areas are functioning smoothly is to submit designs and manufactured specimens into the military QPL process administered by the Defense Logistic Agency of the US government. These certification exercises are multi-year activities that test every aspect of a connector’s performance.



MIL-DTL-38999 Series III environmental connectors



MIL-DTL-38999 Series IV environmental connectors



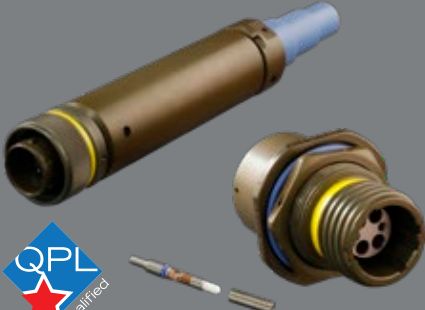
MIL-DTL-28840 shipboard connectors and accessories



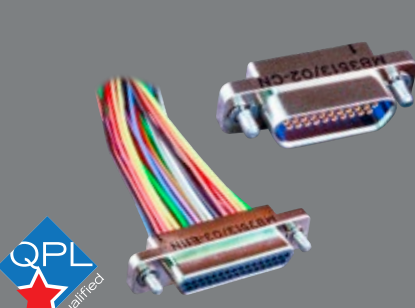
MIL-DTL-38999 Series I, II, III, and IV hermetic connectors



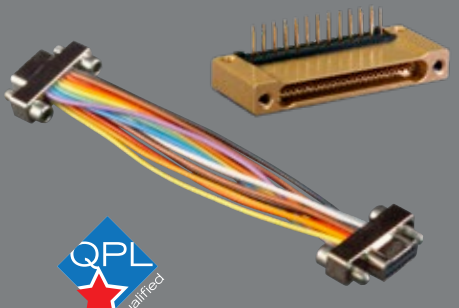
MIL-DTL-24308 hermetic connectors



MIL-DTL-28876 shipboard fiber optic



MIL-DTL-83513 Micro-D connectors and accessories



MIL-DTL-32139 Nanominiature connectors and accessories



MIL-DTL-29504 (fiber optic) and AS39029 (electrical) contacts



MIL-DTL-55116 Radio / Audio Connectors



VG95234 Reverse-Bayonet and VG96929 Single-Pole



VG95328 Bayonet-Lock IAW MIL-C-26482



M85049 (AS85049) backshells and connector accessories



MIL-DTL-83723 backshells and connector accessories



M81511 (AS81511) protective covers and connector accessories



M85049/140 series qualified / TACOM-approved environmental shrink boots



MIL-PRF-24758 Navsea-qualified conduit and fittings



M85049 composite backshells and covers for MIL-DTL-38999

GLENAIR’S COMMITMENT TO QUALITY

Glenair is proud of the quality and reliability we build into our broad range of mission-critical interconnect solutions—from discrete connectors to complex cable assemblies and embedded systems. Glenair is the biggest “made in the USA” interconnect supplier in the high-reliability industry, but we also operate factories in the UK, Italy, and Germany to serve the unique requirements of those markets. Glenair’s Worldwide Quality System is ISO 9001 and AS9100 certified and registered. We also hold many discrete product and operations certifications for specialty, high-performance markets including space, nuclear power, and rail. In addition to world-class quality, we are laser-focused on customer service and committed to being the easiest manufacturer in our industry to do business with. Here are just some of our key customer service principles:

- Lightning-fast turnarounds on quotes and special orders
- Worldwide sales and technical support in every major market
- Full-spectrum, “no gap” product lines
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