



**SERIES 77**  
**Composite Shrink Boot Adapters**  
**Adapter Reference Guide**  
**Material and Finish**



The following standard materials are used for the majority of Glenair's composite products. However, components are not limited to those listed but are representative of the elements used in Glenair's composite products.

Component	Material	Specification
Bodies and coupling nuts	Composite	AIR 4567, AS85049 ASTM D 5205
Elastomeric seals: Such as o-rings, cable jacket seals, grommets, etc.	Silicone or fluorosilicone	ZZ-R-765 or MIL-R-25988
Anti-decoupling device	Corrosion resistant material	N/A

Connector Designator Reference		
Designator	Specification	Series
A	MIL-DTL-5015	MS3400
	MIL-DTL-26482	2
	AS81703	3
	MIL-DTL-83723	I & III
	40M39569	
	DEF 5326-3	
	EN 2997, 3646	
	ESC 10, 11	
	LN 29504	
	NFC93422	HE302
F	PAN 6432-1, -2	
	PATT 602	
	MIL-DTL-38999	I & II
	40M38277	
	PAN 6433-1	
	PATT 614	
G	PATT 616	
	NFC93422	HE308, 9
H	MIL-C-28840	
	MIL-DTL-3899	III & IV
L	EN3645	
	EN3372	
	JN 1003	
	LN 29729	
	NFC93422	HE306
	PAN 6433-2	
	PATT 615	
VG 96912		
U	MIL-DTL-29600	

Composite Adapter Plating Codes	
Sym	Finish
XO	No Plating, Natural
XB	No Plating, Black
XM	Conductive, Electroless Nickel
XMT	Conductive, Ni-PTFE 1000 Hour Grey™
XW	Conductive, Cadmium O.D. Over Electroless Nickel
XZ	Conductive, Zinc Nickel, Black
XD	No Plating, Desert Tan

Composite Plating Code Cross-Reference		
Glenair Finish	MIL-DTL-38999	AS85049
XM	M	M
XW	J	J
XMT		XC

## Locking Compound

Glenair recommends **ND VIBRA-TITE® Formula 3** Thread Locking Compound for customers who choose to lock or seal fasteners used on composite products.

Available from ND Industries ([www.ndindustries.com](http://www.ndindustries.com)), this product is non-reactive to composite resins

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## 1000 Hour Grey™ Ni-PTFE Nickel Fluorocarbon Polymer



The MIL-DTL-38999 Rev L detail specification lists Nickel Fluorocarbon Polymer as a qualified cadmium free plating alternative. This RoHS compliant plating formula is now available on composite interconnect products from Glenair and offers the following benefits in harsh-environment applications:

- 2000+ hour salt spray
- Cadmium free
- Outstanding mating lubricity
- Hexavalent Chromium free
- 500+ mating cycles
- Non-Magnetic



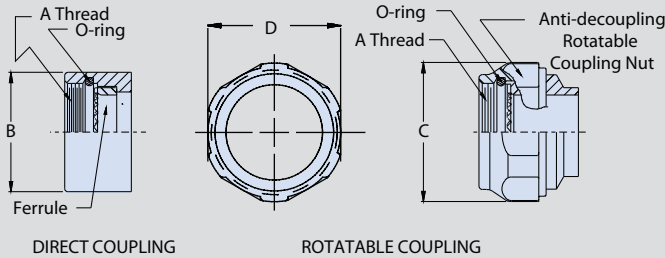
SERIES 77

# Composite Shrink Boot Adapters



## Adapter Reference Guide

### Table II - Connector Designator Interface Dimensions



**NOTES:**

1. Connector shell size designations within [ ] are for reference only; do not use in part numbers.
2. Metric dimensions (mm) are in parentheses and are for reference only. (1 inch = 25.4 mm)
3. Consult factory for accessory interface data not listed.
4. Use Glenair 600-091 or 600-157 tool to tighten coupling nut. Rubber jaw pliers or strap wrench may damage the parts.

Table II								
Shell Size - Connector Designator					A Thread Ref	B Dia Max	C Dia Max	D Flats Ref
A	F/L	G	H	U				
-	08 [09]	-	-	-	7/16-28 UNEF	.59 (15.0)	.86 (21.8)	.75 (19.1)
-	-	-	09 [A]	-	M12 x 1 - 6H	.65 (16.5)		
08	-	-	-	-	1/2-20 UNF	.65 (16.5)	.98 (24.9)	.88 (22.2)
-	-	-	-	08 [9] [A] [B]	1/2-28 UNEF	.65 (16.5)		
03	10 [11]	-	-	-	9/16-24 UNEF	.72 (18.3)		
-	-	-	11 [B]	-	M15 x 1 - 6H	.77 (19.6)	1.16 (29.4)	1.00 (25.4)
10	-	-	-	-	5/8-24 UNEF	.77 (19.6)		
-	-	-	-	10 [11] [C] [D]	5/8-28 UN	.77 (19.6)	1.28 (32.5)	1.13 (28.6)
-	12 [13]	-	-	-	11/16-24 UNEF	.84 (21.3)		
-	-	-	13 [C]	-	M18 x 1 - 6H	.89 (22.6)	1.41 (35.7)	1.25 (31.8)
12 [7]	-	11 [A]	-	-	3/4-20 UNEF	.91 (23.1)		
-	-	-	-	12 [13] [F]	3/4-28 UNS	.91 (23.1)	1.52 (38.5)	1.38 (35.1)
-	14 [15]	-	-	-	13/16-20 UNEF	.97 (24.6)		
-	-	-	15 [D]	-	M22 x 1 - 6H	1.03 (26.2)	1.64 (41.7)	1.50 (38.1)
14 [12]	-	13 [B]	-	-	7/8-20 UNEF	1.03 (26.2)		
-	-	-	-	[14] [15] [G] [H]	7/8-28 UN	1.03 (26.2)	1.77 (44.9)	1.63 (41.3)
-	16 [17]	-	-	-	15/16-20 UNEF	1.09 (27.7)		
-	-	-	17 [E]	-	M25 x 1 - 6H	1.15 (29.2)	1.89 (48.0)	1.75 (44.5)
16 [19]	-	15 [C]	-	-	1-20 UNEF	1.15 (29.2)		
-	-	-	-	16 [17] [J] [K]	1-28 UN	1.15 (29.2)	2.02 (51.2)	1.88 (47.6)
18 [27]	18 [19]	-	-	-	1-1/16-18 UNEF	1.22 (31.0)		
-	-	-	19 [F]	-	M28 x 1 - 6H	1.28 (32.5)	2.16 (54.8)	2.00 (50.8)
-	-	17 [D]	-	-	1-1/8-18 UNEF	1.28 (32.5)		
-	-	-	-	18 [19] [M] [N]	1-1/8-28 UN	1.28 (32.5)	1.64 (41.7)	1.50 (38.1)
20 [37]	20 [21]	-	-	-	1-3/16-18 UNEF	1.34 (34.0)		
-	-	-	21 [G]	-	M31 x 1 - 6H	1.41 (35.8)	1.77 (44.9)	1.63 (41.3)
-	-	19 [E]	-	-	1-1/4-18 UNEF	1.41 (35.8)		
-	-	-	-	20 [21] [P] [R]	1-1/4-28 UN	1.41 (35.8)	1.89 (48.0)	1.75 (44.5)
22	22 [23]	-	-	-	1-5/16-18 UNEF	1.47 (37.3)		
-	-	-	23 [H]	-	M34 x 1 - 6H	1.53 (38.9)	1.77 (44.9)	1.63 (41.3)
-	-	-	-	22 [23] [S] [T]	1-3/8-28 UN	1.53 (38.9)		
24	24 [25]	23 [F]	-	-	1-7/16-18 UNEF	1.59 (40.4)	1.89 (48.0)	1.75 (44.5)
-	-	-	25 [J]	-	M37 x 1 - 6H	1.66 (42.2)		
61	-	-	-	-	1-1/2-18 UNEF	1.66 (42.2)	2.02 (51.2)	1.88 (47.6)
-	-	-	-	24 [25] [U] [M]	1-1/2-28 UN	1.66 (42.2)		
-	-	25 [G]	-	-	1-9/16-18 UNEF	1.66 (42.2)	2.16 (54.8)	2.00 (50.8)
28	-	-	-	-	1-3/4-18 UNS	1.97 (50.0)		

