



SERIES 77

Piggyback Boot Adapters/Backshells



Metal Piggyback Boot Reference Guide Material Selection and Finish

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

Component	Material	Specification
Bodies, clamps, Saddles, coupling nuts, protective covers, etc.	Aluminum Alloy	AMS-QQ-A-200, AMS-QQ-A-591, ASTM B209, ASTM B221, ASTM B85
Hardware: Such as screws, washers, rivets, wire rope, sash chain, band straps, etc.	Corrosion Resisting Steel	AMS-QQ-S-763, AMS-QQ-S-764, ASTM A276
Elastomeric seals: Such as o-rings, cable jacket seals, grommets, etc.	Silicone	A-A-59588, AMS-3303, AMS-3304

Metal Plating Codes	
Sym	Finish
M	Electroless nickel
MT	electroless nickel-PTFE
NF	Cadmium/O.D. over electroless nickel (500 hours salt spray)
ZR	Zinc-nickel, black over electroless nickel
NFS	Selectively plated cadmium O.D. over E.N.

Metal Plating Code Cross-Reference		
Glenair Finish	MIL-DTL-38999	AS85049
M	-	G, N
MT	T	X
NF	W	W
ZR	Z	Z
NFS	-	P

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
	PAN 6432-1, -2	
PATT 602		
F	MIL-DTL-38999	I & II
	40M38277	
	PAN 6433-1	
	PATT 614	
	PATT 616	
	NFC93422	HE308, 9
H	MIL-DTL-38999	III & IV
	EN3645	

H



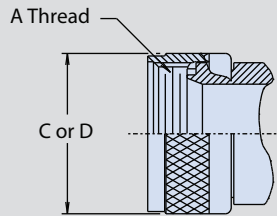
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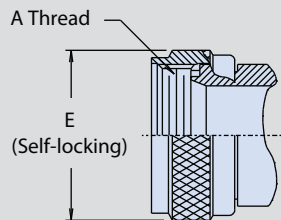


Metal Piggyback Boot Reference Guide

Table I - Connector Designator Interface Dimensions



Rotatable Coupling



Self-Locking

Table I - Connector Designator Interface Dimensions							
Connector Designator**			A Thread*	B DIA MAX	C DIA MAX	D DIA MAX	E DIA MAX
A	F	H	REFERENCE				
--	08 [9]	--	7/16 - 28 UNEF	.590 (15.)	.650 (16.5)	.770 (19.6)	.690 (17.5)
--	--	09 [A]	M12 x 1 - 6H	.650 (16.5)	.770 (19.6)	--	.940 (24.8)
08	--	--	1/2 - 20 UNF	.650 (16.5)	.650 (16.5)	--	.690 (17.5)
03	10 [11]	--	9/16 - 24 UNEF	.720 (18.3)	.770 (19.6)	.890 (22.6)	.820 (20.8)
--	--	11 [B]	M15 x 1 - 6H	.770 (19.6)	.820 (20.8)	--	1.060 (26.9)
10	--	--	5/8 - 24 UNEF	.770 (19.6)	.770 (19.6)	.890 (22.6)	.820 (20.8)
--	12 [13]	--	11/16 - 24 UNEF	.840 (21.3)	.890 (22.6)	1.020 (25.9)	.940 (23.8)
--	--	13 [C]	M18 x 1 - 6H	.890 (22.6)	.940 (23.9)	--	1.170 (29.7)
[7]	--	--	3/4 - 20 UNEF	.970 (24.6)	.940 (23.9)	1.020 (25.9)	.940 (23.8)
--	14 [15]	--	13/16 - 20 UNEF	.970 (24.6)	1.020 (29.2)	1.150 (29.2)	1.060 (26.9)
--	--	15 [D]	M22 x 1 - 6H	1.030 (26.2)	1.070 (26.2)	--	1.290 (32.7)
[12]	--	--	7/8 - 20 UNEF	1.090 (27.7)	1.020 (25.9)	1.150 (29.2)	1.060 (26.9)
--	16 [17]	--	15/16 - 20 UNEF	1.090 (27.7)	1.150 (29.2)	1.260 (32.0)	1.170 (29.7)
--	--	17 [E]	M25 x 1 - 6H	1.150 (29.2)	1.210 (30.7)	--	1.420 (36.1)
[19]	--	--	1 - 20 UNEF	1.220 (29.2)	1.210 (30.7)	1.230 (31.2)	1.170 (29.7)
[27]	18 [19]	--	11/16 - 18 UNEF	1.220 (31.0)	1.230 (31.2)	1.400 (35.6)	1.290 (32.7)
--	--	19 [F]	M28 x 1 - 6H	1.280 (32.5)	1.360 (34.5)	--	1.540 (39.1)
[37]	20 [21]	--	13/16 - 18 UNEF	1.340 (34.0)	1.360 (34.5)	1.530 (38.9)	1.420 (36.0)
--	--	21 [G]	M31 x 1 - 6H	1.410 (35.8)	1.480 (37.6)	--	1.670 (42.4)
22	22 [23]	--	15/16 - 18 UNEF	1.470 (37.3)	1.480 (37.6)	1.600 (40.6)	1.540 (39.1)
--	--	23 [H]	M34 x 1 - 6H	1.530 (38.9)	1.600 (40.6)	--	2.010 (51.1)
24	24 [25]	--	17/16 - 18 UNEF	1.590 (40.4)	1.730 (43.9)	1.940 (49.3)	1.660 (42.2)
--	--	25 [J]	M37 x 1 - 6H	1.660 (42.2)	1.700 (43.2)	--	2.120 (53.8)
61	--	--	1 1/2 - 18 UNEF	1.660 (42.2)	1.670 (42.4)	--	--
28	--	--	1 3/4 - 18 UNS	1.970 (50.0)	1.970 (50.0)	--	2.010 (51.1)
32	--	--	2 - 18 UNS	2.280 (57.9)	2.220 (56.4)	--	2.260 (57.4)
36	--	--	2 1/4 - 16 UN	2.530 (64.3)	2.47 (62.7)	--	2.530 (64.3)
40	--	--	2 1/2 - 16 UN	2.780 (70.6)	2.720 (69.1)	--	3.040 (77.2)
44	--	--	2 3/4 - 16 UN	3.030 (77.0)	2.970 (75.4)	--	--
48	--	--	3 - 16 UN	3.220 (81.8)	3.220 (81.8)	--	--

**Connector designations depicted thus [] are for reference only and are not to be used in part number development.

