



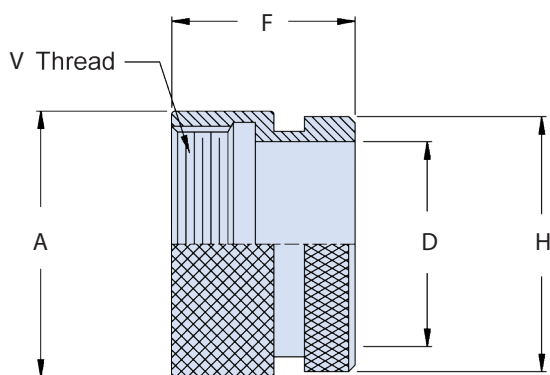
SERIES 77 Metal Shrink Boot Adapters

M83723/27M Series 310 Straight Adapter



Connector Designator:	
K	MIL-DTL-83723 Series II

How to Order				
Sample Part Number		M83723/27M	22	(M)
Basic Part Number	M83723/27M			
Shell Size Designator	see dimensions table			
Adapter	(M = adapter only			
				Order Boot Separately



NOTES

1. For complete dimensions see the applicable Military Specification.
2. Finish: Electroless Nickel.

Dimensions						
Shell Size Designator	Shell Size Ref.	A Dia Max	D Dia	F Max	H (Min.)	V Thread Class 2B
08	8S	.577 (14.66)	.250 (6.35)	.830 (21.08)	.479 (12.17)	.438 - 28 UNEF
10	10S	.640 (16.26)	.303 (7.70)	.830 (21.08)	.539 (13.69)	.500 - 28 UNEF
11	10SL	.702 (17.83)	.383 (9.73)	.830 (21.08)	.608 (15.44)	.562 - 24 UNEF
12	12	.765 (19.43)	.408 (10.36)	.830 (21.08)	.659 (16.74)	.625 - 24 UNEF
13	12S	.765 (19.43)	.408 (10.36)	.830 (21.08)	.659 (16.74)	.625 - 24 UNEF
14	14	.890 (22.61)	.490 (12.45)	.830 (21.08)	.782 (19.86)	.750 - 20 UNEF
15	14S	.890 (22.61)	.490 (12.45)	.830 (21.08)	.782 (19.86)	.750 - 20 UNEF
16	16	1.015 (25.78)	.609 (15.47)	.830 (21.08)	.908 (23.06)	.875 - 20 UNEF
17	16S	1.015 (25.78)	.609 (15.47)	.830 (21.08)	.908 (23.06)	.875 - 20 UNEF
18	18	1.140 (28.96)	.730 (18.54)	.996 (25.29)	1.025 (26.03)	1.000 - 20 UNEF
20	20	1.265 (32.13)	.870 (22.10)	.996 (25.29)	1.212 (30.78)	1.125 - 18 UNEF
22	22	1.390 (35.31)	.978 (24.84)	.996 (25.29)	1.343 (34.11)	1.250 - 18 UNEF
24	24	1.515 (38.48)	1.090 (27.69)	.996 (25.29)	1.450 (36.83)	1.375 - 18 UNEF
28	28	1.765 (44.83)	1.250 (27.69)	1.076 (27.33)	1.671 (42.44)	1.625 - 18 UNEF
32	32	2.015 (51.81)	1.520 (38.61)	1.076 (27.33)	1.956 (49.68)	1.875 - 16 UN
36	36	2.265 (57.53)	1.756 (44.60)	1.076 (27.33)	2.164 (54.97)	2.125 - 16 UN
40	40	2.515 (63.88)	1.880 (47.75)	1.222 (31.04)	2.500 (63.50)	2.375 - 16 UN



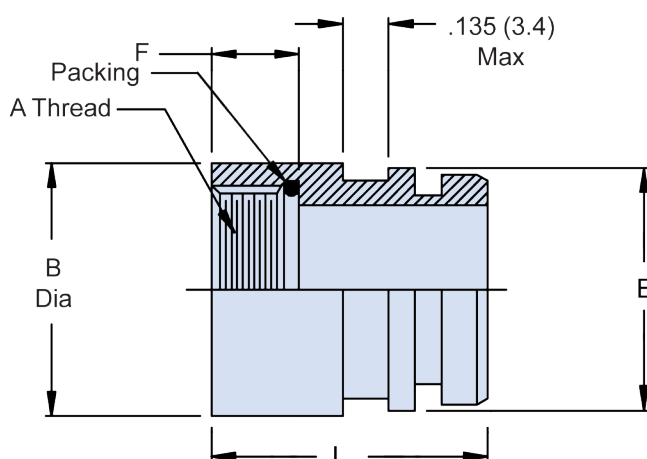
SERIES 77 Metal Shrink Boot Adapters

AS85049/59 Series 310 Straight Adapter



Connector Designator:	
C	MIL-DTL-22992

How to Order			
Sample Part Number	M85049/59	A	10
Basic Part Number	M85049/59		
Finish	A = black anodize W = 500 hr. cadmium olive drab over electroless nickel		
Adapter Size	See dimensions table		
			Order Boot Separately



NOTES

- For complete dimensions see the applicable Military Specification.

Dimensions					
Adapter Size	A Thread Class 2B-LH	B Max	F ± 0.016 (0.4)	L ± 0.031 (0.8)	E Dia ± 0.010 (0.3)
12	.7500 - 20 UNEF	.933 (23.70)	.479 (12.17)	1.175 (29.84)	.798 (20.27)
14	.8750 - 20 UNEF	1.057 (26.85)	.479 (12.17)	1.175 (29.84)	.922 (23.42)
16	1.000 - 20 UNEF	1.182 (26.85)	.479 (12.17)	1.175 (29.84)	1.048 (26.62)
18	1.125 - 18 UNEF	1.307 (33.20)	.479 (12.17)	1.175 (29.84)	1.172 (29.77)
20	1.250 - 18 UNEF	1.432 (36.37)	.479 (12.17)	1.175 (29.84)	1.297 (32.94)
22	1.375 - 18 UNEF	1.557 (39.55)	.479 (12.17)	1.175 (29.84)	1.423 (36.14)
24	1.625 - 18 UNEF	1.797 (45.64)	.479 (12.17)	1.175 (29.84)	1.662 (42.21)
28	1.875 - 16 UN	2.057 (52.25)	.479 (12.17)	1.175 (29.84)	1.922 (48.82)
32	2.0625 - 16 UN	2.307 (58.60)	.479 (12.17)	1.175 (29.84)	2.172 (55.17)
36	2.3125 - 16 UN	2.557 (64.95)	.479 (12.17)	1.175 (29.84)	2.422 (61.52)
40	2.6250 - 16 UN	2.869 (72.87)	.667 (16.94)	1.375 (34.92)	2.734 (69.44)
44	2.8750 - 16 UN	3.120 (79.25)	.667 (16.94)	1.375 (34.92)	2.982 (75.74)



SERIES 77 Metal Shrink Boot Adapters

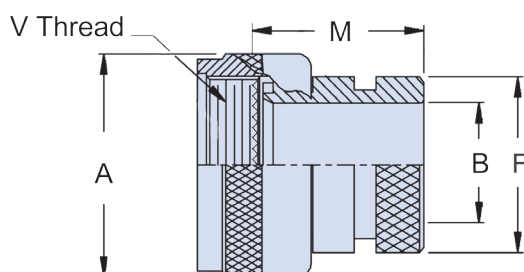
AS85049/60-1 and MS3158 Series 310 Straight Adapter



Connector Designator:	
A	MIL-DTL-5015 Series 3400, MIL-DTL-26482 Series II, AS81703 Series III, MIL-DTL-83723 Series I & II, 40M39569, DEF 5326-3, EN 2997, EN 3646, ESC 10, ESC 11, LN 29504, NFC93422 Series HE302, PAN 6432-1, PAN 6432-2, PATT 602

How to Order				
Sample Part Number		M85049/60-1	W	10
Basic Part Number		M85049/60-1		
Finish		A = black anodize N = electroless nickel W = 500 hour cadmium olive drab over electroless nickel		
Dash Number		See dimensions table		
				Order Boot Separately

Supersedes Part Numbers:
 MS3158-22A
 MS3158-22C
 MS3158-22N



NOTES

- For complete dimensions see the applicable Military Specification.

Dimensions					
Dash No	A Dia +.000 (0.0) -.045 (1.14)	B Min Dia	F Dia +.000 (0.0) -.020 (0.5)	M Max	V Thread
3	.669 (16.99)	.250 (6.35)	.533 (13.54)	.832 (21.13)	.562 - 24 UNEF
8	.617 (15.67)	.250 (6.35)	.533 (13.54)	.832 (21.13)	.500 - 20 UNF
10	.734 (18.64)	.355 (9.02)	.605 (15.37)	.832 (21.13)	.625 - 24 UNEF
12	.858 (21.79)	.491 (12.47)	.774 (19.66)	.832 (21.13)	.750 - 20 UNEF
14	.984 (24.99)	.565 (14.35)	.838 (21.29)	.832 (21.13)	.875 - 20 UNEF
16	1.112 (24.99)	.690 (17.53)	.963 (24.46)	.832 (21.13)	1.000 - 20 UNEF
18	1.218 (30.94)	.769 (19.53)	1.042 (26.47)	.832 (21.13)	1.062 - 18 UNEF
20	1.345 (34.16)	.894 (22.71)	1.217 (30.91)	.832 (21.13)	1.188 - 18 UNEF
22	1.468 (37.29)	1.019 (25.88)	1.355 (34.42)	.832 (21.13)	1.313 - 18 UNEF
24	1.593 (40.46)	1.134 (28.80)	1.443 (36.65)	.832 (21.13)	1.438 - 18 UNEF
28	1.969 (50.01)	1.369 (34.77)	1.709 (43.41)	.994 (25.25)	1.750 - 18 UNS
32	2.219 (56.36)	1.615 (41.02)	1.919 (48.74)	.994 (25.25)	2.000 - 18 UNS
36	2.469 (62.71)	1.830 (46.48)	2.169 (55.09)	.994 (25.25)	2.250 - 16 UN
40	2.719 (55.35)	2.045 (51.94)	2.402 (61.01)	.994 (25.25)	2.500 - 16 UN
44	2.969 (75.41)	2.300 (58.42)	2.657 (67.5)	.994 (25.25)	2.750 - 16 UN
48	3.219 (81.76)	2.550 (64.77)	2.907 (73.84)	.994 (25.25)	3.000 - 16 UN
61	1.653 (41.99)	1.174 (29.82)	1.529 (38.84)	.832 (21.13)	1.500 - 18 UNEF



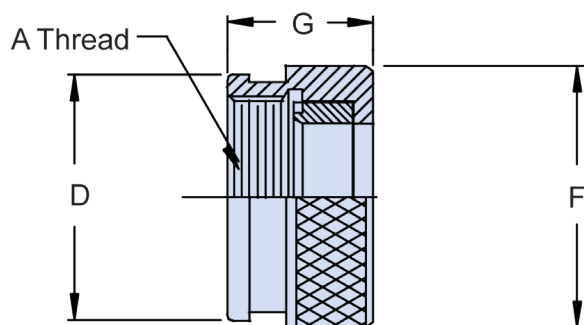
SERIES 77 Metal Shrink Boot Adapters

M85049/60-2G and MS83416-G Series 310 Straight Adapter



Connector Designator:	
A	MIL-DTL-5015 Series 3400, MIL-DTL-26482 Series II, AS81703 Series III, MIL-DTL-83723 Series I & II, 40M39569, DEF 5326-3, EN 2997, EN 3646, ESC 10, ESC 11, LN 29504, NFC93422 Series HE302, PAN 6432-1, PAN 6432-2, PATT 602

How to Order			
Sample Part Number		M85049/60-2G	10 W
Basic Part Number		M85049/60-2G	
Dash Number		See dimensions table	
Finish		A = black anodize N = electroless nickel W = 500 hour cadmium olive drab over electroless nickel	
			Order Boot Separately



Supersedes Part Numbers:
MS3416-22GC
MS3416-22GN

NOTES

- For complete dimensions see the applicable Military Specification.

Dimensions				
Dash No	A Thread Class 2B	D Dia +.000 (0.0) -.020 (0.5)	F Dia +.000 (0.0) -.045 (1.1)	G Max
3	.562 - 24 UNEF	.709 (18.0)	.750 (19.1)	.540 (13.7)
8	.500 - 20 UNF	.657 (16.7)	.688 (17.5)	.540 (13.7)
10	.625 - 24 UNEF	.774 (19.7)	.803 (20.4)	.540 (13.7)
12	.750 - 20 UNEF	.898 (22.8)	.938 (23.8)	.540 (13.7)
14	.875 - 20 UNEF	1.024 (26.0)	1.063 (27.0)	.540 (13.7)
16	1.000 - 20 UNEF	1.152 (29.3)	1.238 (31.4)	.540 (13.7)
18	1.062 - 18 UNEF	1.243 (31.6)	1.310 (33.3)	.540 (13.7)
20	1.188 - 18 UNEF	1.370 (34.8)	1.436 (36.5)	.540 (13.7)
22	1.313 - 18 UNEF	1.443 (36.7)	1.560 (39.6)	.540 (13.7)
24	1.438 - 18 UNEF	1.618 (41.1)	1.686 (42.8)	.540 (13.7)
28	1.750 - 18 UNS	1.969 (50.0)	2.062 (52.4)	.702 (17.8)
32	2.000 - 18 UNS	2.219 (56.4)	2.312 (58.7)	.702 (17.8)
36	2.250 - 16 UN	2.469 (62.7)	2.562 (65.1)	.702 (17.8)
40	2.500 - 16 UN	2.719 (69.1)	2.812 (71.4)	.702 (17.8)
44	2.750 - 16 UN	2.969 (75.4)	3.062 (77.8)	.702 (17.8)
48	3.000 - 16 UN	3.219 (81.8)	3.312 (84.1)	.702 (17.8)
61	1.500 - 18 UNEF	1.653 (42.0)	1.748 (44.4)	.540 (13.7)



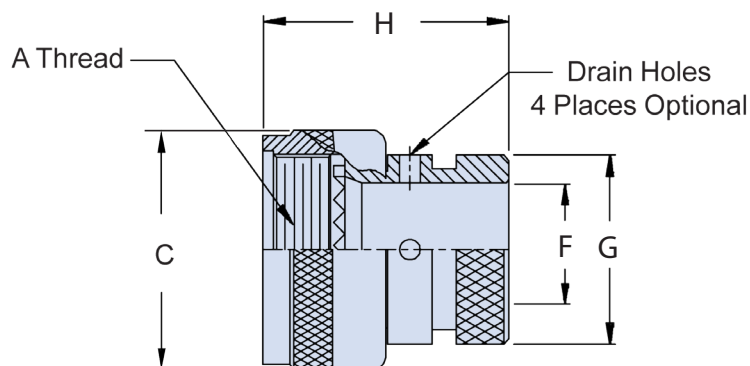
SERIES 77 Metal Shrink Boot Adapters

AS85049/62 and MS38999/2 Series 310 Straight Adapter



Connector Designator:	
F	MIL-DTL-38999 Series I & II, 40M38277, PAN 6433-1, PATT 614, PATT 616, NFC93422 Series HE308 & HE309

How to Order				
Sample Part Number	M85049/62	-10	W	D
Basic Part Number	M85049/62			
Dash No	see dimensions table			
Finish	A = black anodize N = electroless nickel W = 500 hour cadmium olive drab over electroless nickel			
Drain Hole	D = drain hole Omit for none			
				Order Boot Separately



NOTES

- For complete dimensions see the applicable Military Specification.

Dimensions					
Dash No.	A Thread Class 2B	C Max	F Dia Min	G Dia Max	H Max
08	.438 - 28 UNEF	.750 (19.1)	.250 (6.4)	.533 (13.5)	1.000 (25.4)
10	.562 - 24 UNEF	.850 (21.6)	.375 (9.5)	.605 (15.4)	1.000 (25.4)
12	.688 - 24 UNEF	1.000 (25.4)	.500 (12.7)	.774 (19.7)	1.000 (25.4)
14	.813 - 20 UNEF	1.100 (27.9)	.625 (15.9)	.838 (21.3)	1.000 (25.4)
16	.938 - 20 UNEF	1.250 (31.8)	.750 (19.1)	.963 (24.5)	1.000 (25.4)
18	1.063 - 18 UNEF	1.400 (35.6)	.812 (20.6)	1.042 (26.5)	1.000 (25.4)
20	1.188 - 18 UNEF	1.500 (38.1)	.937 (23.8)	1.217 (30.9)	1.000 (25.4)
22	1.313 - 18 UNEF	1.650 (41.9)	1.062 (27.0)	1.355 (34.4)	1.000 (25.4)
24	1.438 - 18 UNEF	1.750 (44.5)	1.188 (30.2)	1.443 (36.7)	1.000 (25.4)



SERIES 77 Metal Shrink Boot Adapters

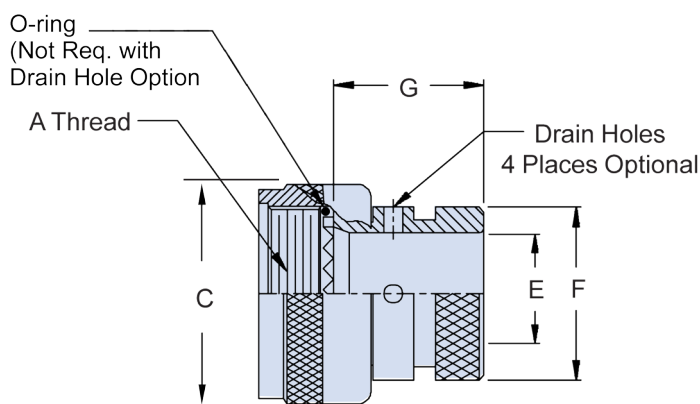
AS85049/69 Series 310 Straight Adapter



Connector Designator:	
H	MIL-DTL-38999 Series III & IV, EN3645

How to Order				
Sample Part Number	M85049/69	-11	A	D
Basic Part Number	M85049/69			
Shell Size	see dimensions table			
Finish	A = black anodize N = electroless nickel W = 500 hour cadmium olive drab over electroless nickel			
Drain Hole	D = drain hole Omit for none			

Order Boot Separately



NOTES

- For complete dimensions see the applicable Military Specification.

Dimensions					
Shell Size	A Thread Class 6H	C Max	E Dia Min	F Dia Max	G Max
9	M12 X 1 - 6H	.750 (19.05)	.250 (6.35)	.533 (13.5)	.710 (18.03)
11	M15 X 1 - 6H	.850 (21.59)	.375 (9.52)	.605 (15.4)	.710 (18.03)
13	M18 X 1 - 6H	1.000 (25.40)	.500 (12.70)	.774 (19.7)	.710 (18.03)
15	M22 X 1 - 6H	1.150 (29.21)	.625 (15.88)	.838 (21.3)	.710 (18.03)
17	M25 X 1 - 6H	1.250 (31.75)	.750 (19.05)	.963 (24.5)	.710 (18.03)
19	M28 X 1 - 6H	1.400 (35.56)	.812 (20.62)	1.042 (26.5)	.710 (18.03)
21	M31 X 1 - 6H	1.550 (39.37)	.937 (23.80)	1.217 (30.9)	.710 (18.03)
23	M34 X 1 - 6H	1.650 (41.91)	1.062 (26.97)	1.355 (34.4)	.710 (18.03)
25	M37 X 1 - 6H	1.885 (47.88)	1.188 (30.18)	1.443 (36.7)	.710 (18.03)