

# OCTAXIAL CONTACTS SpeedMaster™ Backshells



## 620H\*090 Saddle Clamp, Expanded Clearance for #8 Sealing Boots



**Self-Locking**

### ADAPTER CODE H

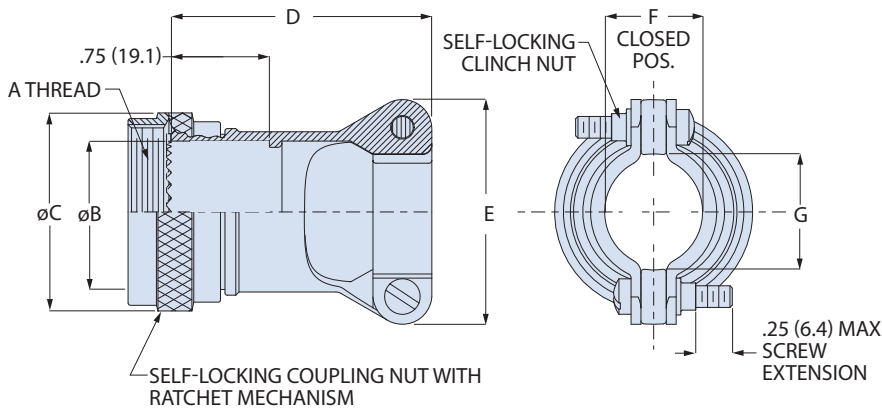
- This accessory fits these connectors:  
MIL-DTL-38999 Series III and Series IV

### MATERIAL/FINISH

- Body, saddles, coupling nut:  
aluminum or SST, finish per PN build
- Screws, washers, clinch nuts: stainless steel
- Anti-decoupling device corrosion resistant material

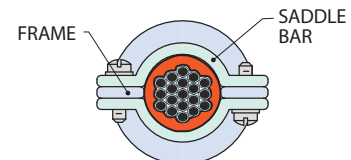
**Self-locking. Full radius saddles. Expanded Clearance.** 620HS090 extended frame saddle clamp fits MIL-DTL-38999 Series III and IV connectors. Clamp has enlarged inside diameter and longer frame to provide clearance for SpeedMaster contact modules. Full radius saddle bars have self-locking SST clinch nuts. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Aluminum or stainless steel. Saddle clamp hardware is passivated SST.

Part Number Development						
Sample Part Number	620H	S	090	NF	21	-76
Series - Basic Part No.	620H Saddle Clamp, Expanded Clearance for #8 Sealing Boots 38999 Series III and IV					
Angular Function	S = Straight					
Basic Number	090					
Material/Finish	ME = Alum/ Electroless Nickel MT = Alum/ Nickel-PTFE NF = Alum/ Olive Drab Cadmium ZR = Alum/ Black Zinc-Nickel TZ = Alum/ Tin-Zinc Z1 = SST/ Passivated					
Shell Size and Arrangement	09, 11, 13, 15, 17, 19, 21, 23, 25					
Organizer Option	(Omit for None)					



### APPLICATION NOTE

This backshell has an elliptical saddle clamp. This type of strain relief is designed to be fully closed. Saddle bars should be bottomed onto frame. Appropriate thickness shims/washers should be used to meet the diameter of the cable.



**FULL RADIUS SADDLE CLAMP**  
SADDLE BARS SHOULD BE FULLY BOTTOMED ONTO FRAME.

Dimensions							
Shell Size	A Thread	øB Min	øC Max	D	E Max	F ± .031 (0.8)	G Min
9	M12X1.0-6H	.372 (9.4)	.858 (21.8)	1.22 (30.99)	1.05 (26.7)	.264 (6.7)	.36 (9.1)
11	M15X1.0-6H	.470 (11.9)	.984 (25.0)	1.28 (32.51)	1.05 (26.7)	.264 (6.7)	.36 (9.1)
13	M18X1.0-6H	.584 (14.8)	1.157 (29.4)	1.35 (34.29)	1.20 (30.5)	.344 (8.7)	.42 (10.7)
15	M22X1.0-6H	.709 (18.0)	1.279 (32.5)	1.41 (35.81)	1.30 (33.0)	.460 (11.7)	.47 (11.9)
17	M25X1.0-6H	.834 (21.2)	1.406 (35.7)	1.47 (37.34)	1.44 (36.6)	.545 (13.8)	.55 (14.0)
19	M28X1.0-6H	.940 (23.9)	1.516 (38.5)	1.66 (42.16)	1.56 (39.6)	.615 (15.6)	.62 (15.7)
21	M31X1.0-6H	1.065 (27.1)	1.642 (41.7)	1.72 (43.69)	1.69 (42.9)	.698 (17.7)	.70 (17.8)
23	M34X1.0-6H	1.190 (30.2)	1.768 (44.9)	1.78 (45.21)	1.77 (45.0)	.780 (19.8)	.78 (19.8)
25	M37X1.0-6H	1.315 (33.4)	1.869 (47.5)	1.85 (46.99)	1.89 (48.0)	.850 (21.6)	.85 (21.6)