

MA2251

FEDERAL SUPPLY CLASS
4730

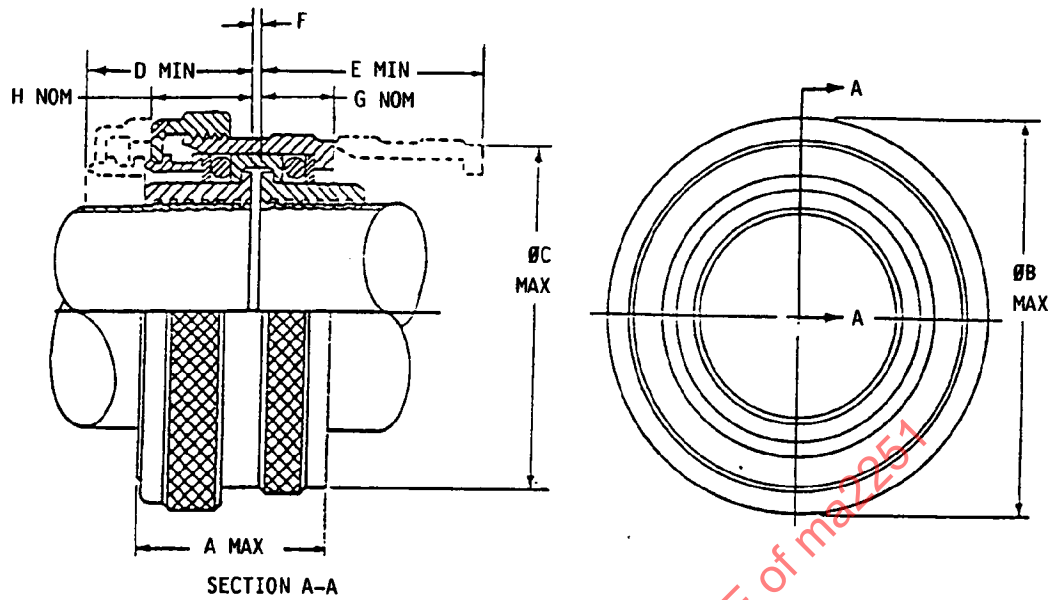


FIGURE 1 - FULL COUPLING

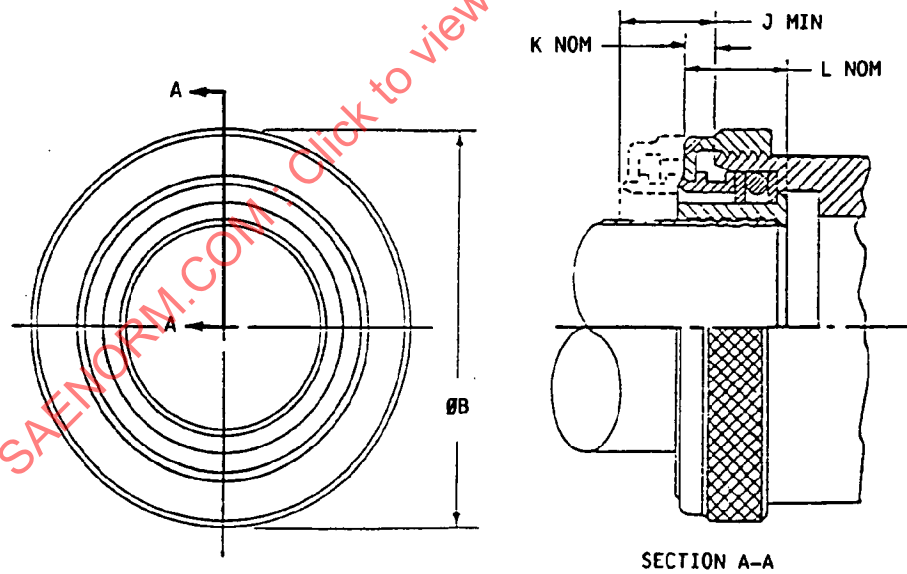
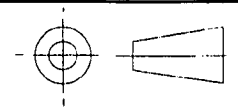


FIGURE 2 - HALF COUPLING

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3A

PROCUREMENT SPECIFICATION: MA2250 /3/

SAE The Engineering Society
For Advancing Mobility
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400 Commonwealth Drive, Warrendale, PA 15096 0001

AEROSPACE STANDARD

COUPLING, FLEXIBLE, VARIABLE CAVITY,
THREADED FERRULE TYPE TUBE ENDS,
ENVELOPE DIMENSIONS, METRIC DESIGN STANDARD

MA2251

SHEET 1 OF 4

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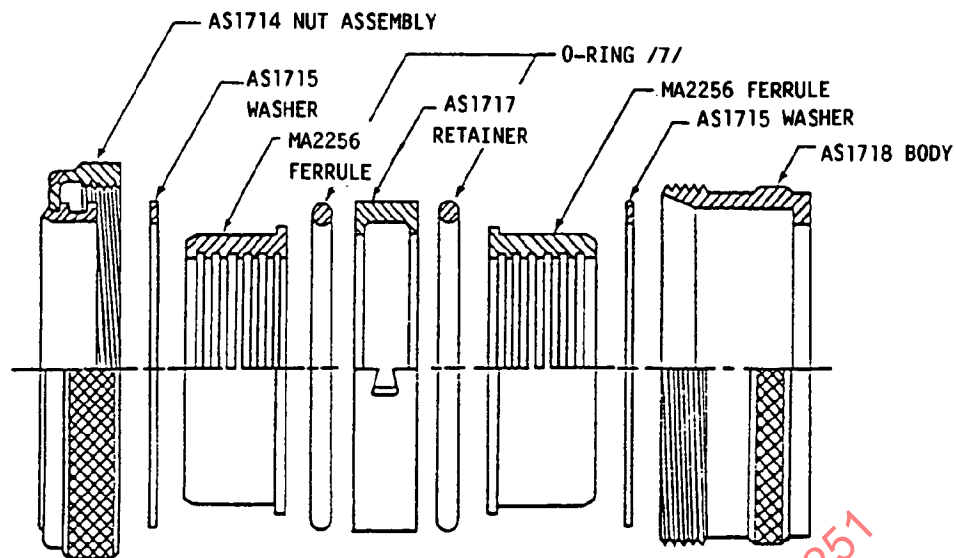


FIGURE 3 - EXPLODED VIEW FULL COUPLING /10/

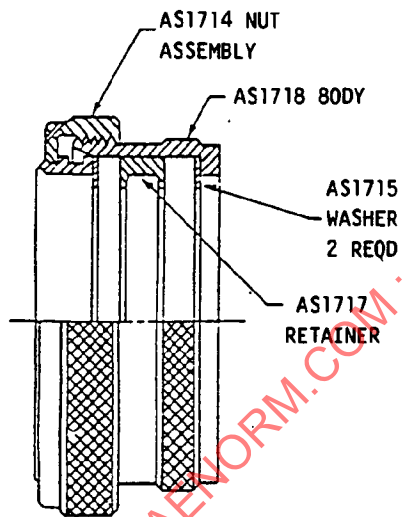


FIGURE 4 - AS1712 COUPLING SUBASSEMBLY /11/

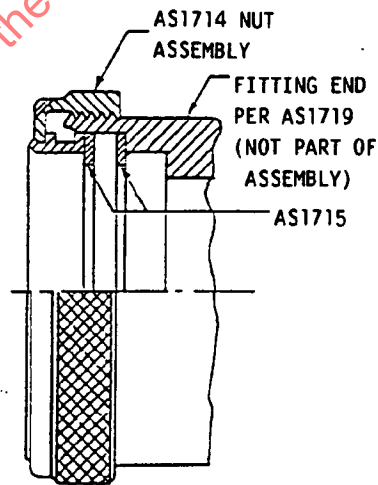


FIGURE 5 - AS1713 HALF COUPLING SUBASSEMBLY /12/

TABLE 1 - DIMENSIONS

TUBE SIZE IN	DN (REF)	AS568 O-RING DASH NO.	A		B		C		D		E		F		G		H		J		K		L	
			MAX	/7/	MAX	/8/	MAX	/8/	MIN	/8/	MIN	/8/	MIN	/9/	NOM	/8/	NOM	/8/	MIN	/8/	NOM	/8/	NOM	/8/
12 .50		-114	31.242		29.464		23.368		25.400		30.480		7.239		7.620		15.748		20.320		8.128		19.558	
16 .62		-116	31.242		32.766		26.670		25.400		30.480		7.239		7.620		15.748		20.320		8.128		19.558	
18 .75		-212	33.020		39.116		32.004		25.400		35.560		7.239		8.890		16.256		20.320		6.350		19.812	
25 1.00		-216	34.544		45.466		38.608		25.400		35.560		8.763		8.890		16.256		20.320		6.350		19.812	
32 1.25		-220	34.544		51.816		44.958		25.400		35.560		8.763		8.890		16.256		20.320		6.350		19.812	
38 1.50		-326	39.116		61.214		54.356		27.940		43.180		9.779		10.922		18.034		22.860		6.350		21.590	
45 1.75		-328	39.116		67.564		60.706		27.940		43.180		9.779		10.922		18.034		22.860		6.350		21.590	
50 2.00		-330	38.862		77.724		68.072		27.940		43.180		8.255		11.430		18.795		22.860		6.350		22.090	
56 2.25		-332	38.862		84.074		74.422		27.940		43.180		8.255		11.430		18.795		22.860		6.350		22.090	
63 2.50		-334	38.862		87.122		80.772		27.940		43.180		8.255		11.430		18.795		22.860		6.350		22.090	
76 3.00	/5/	-338	38.862		99.822		92.964		27.940		43.180		8.255		11.430		18.795		22.860		6.350		22.090	
88 3.50	/5/	-342	41.656		112.522		105.664		27.940		45.720		10.084		12.192		18.795		22.860		6.350		22.090	
100 4.00		-346	41.910		125.222		118.618		27.940		45.720		10.744		11.684		18.795		22.860		6.350		22.090	
114 4.50	/5/	-426	44.958		144.272		134.366		30.480		50.800		10.592		13.208		20.574		22.860		5.334		24.638	
124 5.00	/5/	-430	50.546		156.972		147.574		30.480		58.420		13.894		15.240		21.082		22.860		5.080		24.130	
140 5.50	/5/	-434	51.562		166.624		160.274		30.480		55.880		14.148		15.240		21.844		25.400		6.858		25.908	