

REV.
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AS1731

FEDERAL SUPPLY CLASS
4730

RATIONALE

THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.

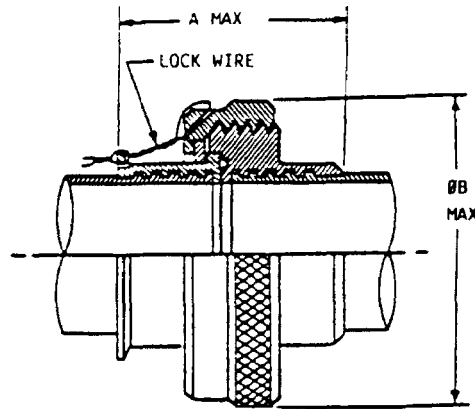


FIGURE 1 - TYPE I COUPLING - ASSEMBLED VIEW

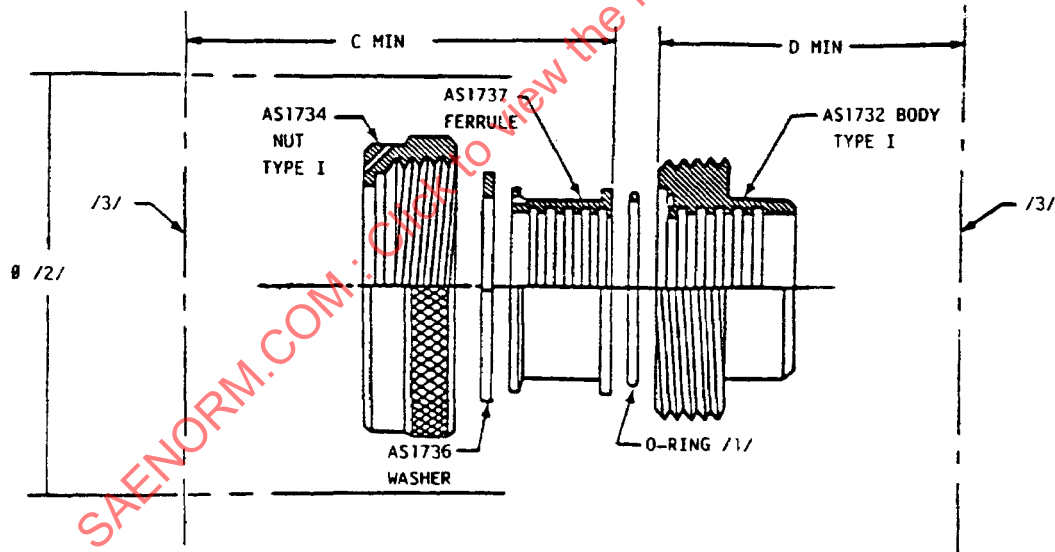
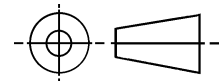


FIGURE 2 - TYPE I COUPLING - EXPLODED VIEW

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3A

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

COUPLING, RIGID, FIXED CAVITY, THREADED
FERRULE TYPE TUBE ENDS, ENVELOPE DIMENSIONS
DESIGN STANDARD

AS1731
SHEET 1 OF 4

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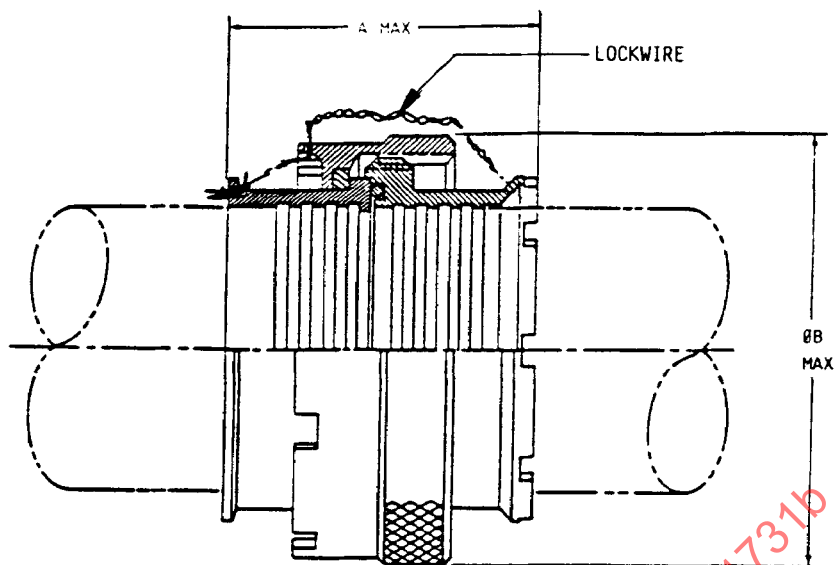


FIGURE 3 - TYPE II COUPLING - ASSEMBLED VIEW

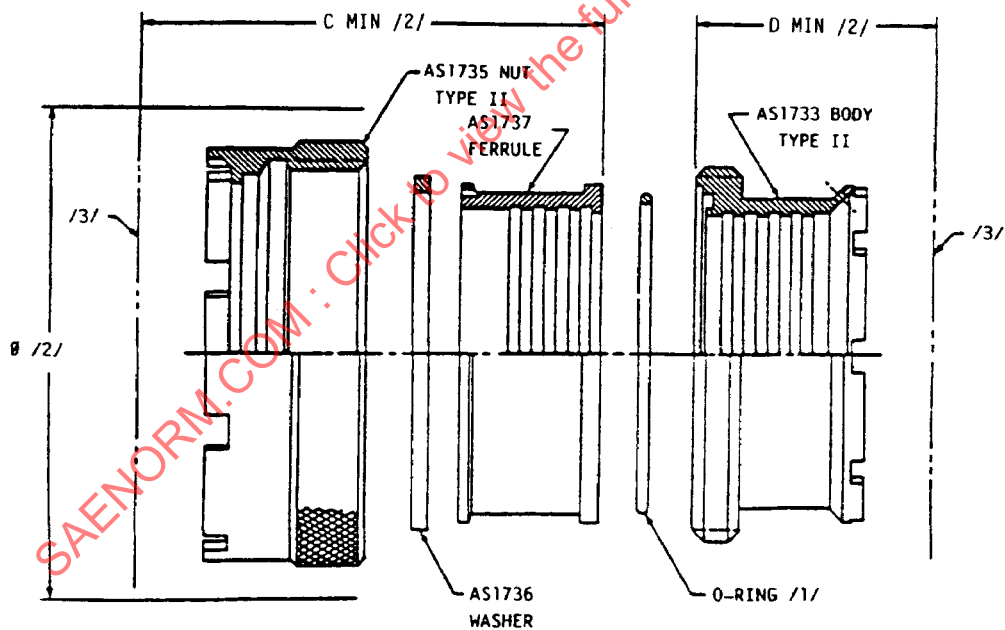


FIGURE 4 - TYPE II COUPLING - EXPLODED VIEW

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AS1731

TABLE 1 - ENVELOPE DIMENSIONS

BASIC NO. AS1731	SIZE (TUBE SIZE)	AS568 O-RING DASH NO. /1/	TYPES I AND II		TYPES I AND II		TYPES I AND II	
			COUPLINGS		COUPLINGS		COUPLINGS	
			A	B	C	D	MIN	MIN
CODE			MAX	MAX	MIN	MIN	/2/	/2/
04	.250	012	1.260	.829	1.118	1.00		
05	.312	013	1.260	.892	1.118	1.00		
06	.375	014	1.260	.954	1.118	1.00		
08	.500	016	1.260	1.079	1.118	1.00		
10	.625	018	1.275	1.214	1.134	1.00		
12	.750	020	1.275	1.402	1.134	1.00		
16	1.000	024	1.275	1.652	1.194	1.00		
20	1.250	028	1.275	1.902	1.194	1.00		
24	1.500	030	1.450	2.152	1.294	1.15		
28	1.750	032	1.450	2.402	1.294	1.15		
32	2.000	034	1.450	2.662	1.294	1.15		
36	2.250	036	1.450	2.912	1.355	1.15		
40	2.500	038	1.450	3.162	1.355	1.15		
44	2.750	040	1.450	3.412	1.355	1.15		
48	3.000	042	1.380	3.793	1.355	1.15		
56	3.500	044	1.380	4.298	1.355	1.15		
64	4.000	046	1.365	4.798	1.355	1.15		
72	4.500	048	1.698	5.308	1.626	1.15		
80	5.000	050	1.698	5.807	1.626	1.40		