

REV.
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AS1732

FEDERAL SUPPLY CLASS
4730

RATIONALE

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

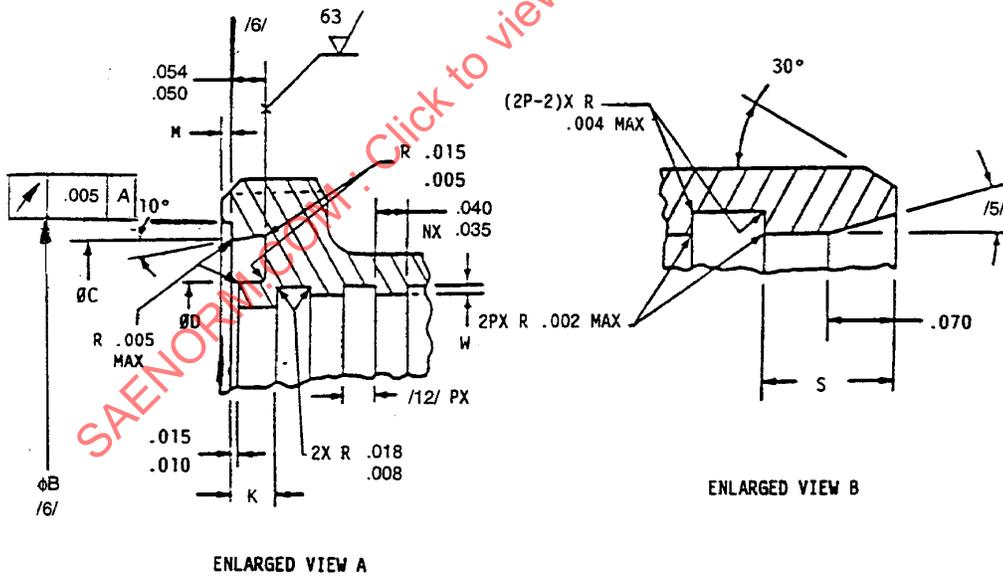
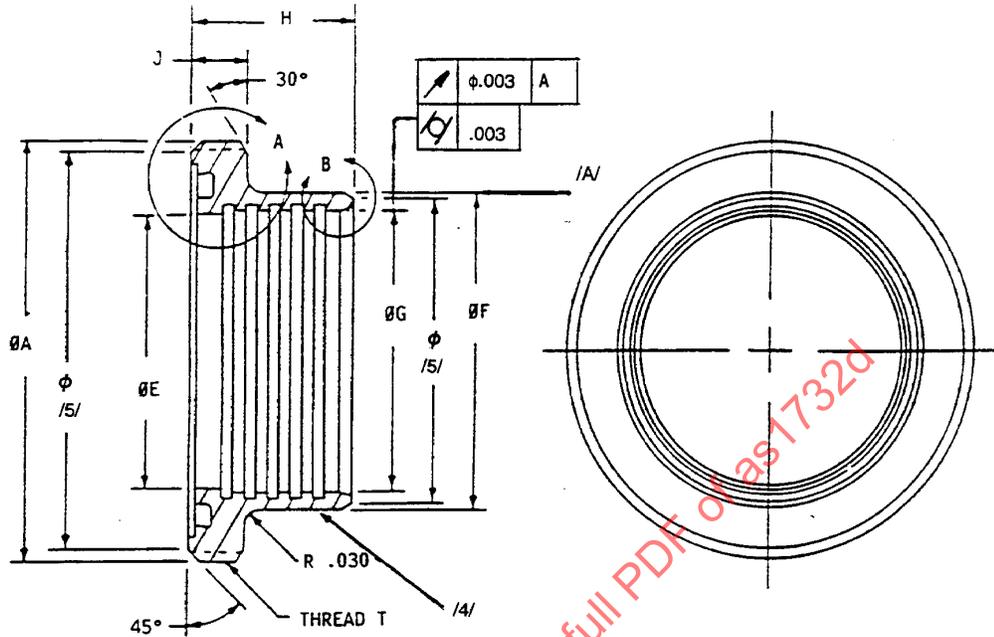
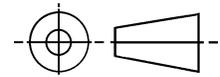


FIGURE 1 - BODY

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3A

PROCUREMENT SPECIFICATION: /3/ AS1730

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

BODY, COUPLING, RIGID, FIXED CAVITY, THREADED,
FERRULE TYPE TUBE ENDS, TYPE I

AS1732
SHEET 1 OF 4

**REV.
D**

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TABLE 1 - COUPLING BODY DIMENSIONS

BASIC NO. AS1732 SIZE CODE	(TUBE SIZE)	THREAD PER FED-STD-H28/2	A +0.005/-0.000	B +0.005/-0.000	C +0.010/-0.000	D +0.000/-0.010	E +0.005/-0.000	F +0.005/-0.000	G	G TOL	H
04	.250	.687-12 UN-2A	.680	.529	.480	.298	.233	.375	.254	+0.005/-0.000	.645
05	.312	.750-12 UN-2A	.743	.580	.535	.353	.295	.437	.316	+0.005/-0.000	.645
06	.375	.812-12 UN-2A	.805	.635	.590	.408	.358	.500	.379	+0.005/-0.000	.645
08	.500	.937-12 UN-2A	.930	.762	.716	.534	.483	.625	.504	+0.005/-0.000	.645
10	.625	1.062-12 UN-2A	1.055	.900	.850	.668	.609	.750	.630	+0.005/-0.000	.675
12	.750	1.250-12 UNF-2A	1.243	1.033	.984	.802	.734	.890	.755	+0.005/-0.000	.675
16	1.000	1.500-12 UNF-2A	1.493	1.284	1.235	1.053	.984	1.142	1.005	+0.005/-0.000	.675
20	1.250	1.750-12 UN-2A	1.743	1.534	1.485	1.303	1.235	1.392	1.256	+0.005/-0.000	.675
24	1.500	2.000-12 UN-2A	1.993	1.783	1.735	1.553	1.480	1.642	1.506	+0.005/-0.000	.760
28	1.750	2.250-12 UN-2A	2.243	2.045	1.965	1.783	1.730	1.895	1.756	+0.005/-0.000	.760
32	2.000	2.500-12 UN-2A	2.493	2.292	2.235	2.053	1.981	2.145	2.006	+0.005/-0.000	.760
36	2.250	2.750-12 UN-2A	2.743	2.545	2.485	2.283	2.231	2.395	2.257	+0.005/-0.000	.760
40	2.500	3.000-12 UN-2A	2.993	2.800	2.713	2.531	2.481	2.645	2.507	+0.005/-0.000	.760
44	2.750	3.250-12 UN-2A	3.243	3.045	2.961	2.781	2.731	2.895	2.757	+0.005/-0.000	.760
48	3.000	3.625-12 UN-2A	3.618	3.395	3.340	3.158	2.979	3.145	3.007	+0.005/-0.000	.705
56	3.500	4.125-12 UN-2A	4.118	3.895	3.840	3.658	3.479	3.645	3.509	+0.005/-0.000	.705
64	4.000	4.625-12 /10/	4.603	4.395	4.340	4.158	3.979	4.155	4.009	+0.005/-0.000	.705
72	4.500	5.125-12 /10/	5.103	4.895	4.840	4.658	4.479	4.655	4.509	+0.006/-0.000	.884
80	5.000	5.625-12 /10/	5.602	5.378	5.325	5.143	4.979	5.155	5.009	+0.006/-0.000	.868

TABLE 2 - COUPLING BODY DIMENSIONS AND DESIGN INFORMATION

BASIC NO. AS1732 SIZE CODE	J	K LENGTH	K TOL	M	N PLACES	P PLACES	S LENGTH	S TOL	W	O-RING DASH NO /11/	WEIGHT LB/EA MAX							
												04	05	06	08	10	12	16
04	.234	.090	+ .005/- .000	.045	4	5	.127	+ .020/- .010	.008/.010	012	.007							
05	.234	.090	+ .005/- .000	.045	4	5	.127	+ .020/- .010	.008/.010	013	.008							
06	.234	.090	+ .005/- .000	.045	4	5	.127	+ .020/- .010	.008/.010	014	.010							
08	.234	.090	+ .005/- .000	.045	4	5	.127	+ .020/- .010	.008/.010	016	.013							
10	.250	.100	± .010	.045	4	5	.150	± .015	.008/.010	018	.016							
12	.250	.100	± .010	.045	4	5	.150	± .015	.008/.010	020	.021							
16	.250	.100	± .010	.045	4	5	.150	± .015	.008/.010	024	.027							
20	.250	.100	± .010	.045	4	5	.150	± .015	.008/.010	028	.033							
24	.250	.100	± .010	.045	5	6	.150	± .015	.008/.010	030	.041							
28	.250	.100	± .010	.075	5	6	.125	+ .020/- .010	.008/.010	032	.045							
32	.250	.105	± .010	.075	5	6	.125	+ .020/- .010	.008/.010	034	.050							
36	.279	.110	± .010	.075	5	6	.125	+ .020/- .010	.008/.010	036	.064							
40	.279	.110	± .010	.075	5	6	.125	+ .020/- .010	.008/.010	038	.072							
44	.279	.110	± .010	.075	5	6	.125	+ .020/- .010	.008/.010	040	.081							
48	.309	.060	± .010	.075	5	6	.125	+ .020/- .010	.008/.010	042	.089							
56	.309	.060	± .010	.075	5	6	.125	+ .020/- .010	.014/.016	044	.101							
64	.309	.100	± .010	.075	4	5	.142	± .015	.014/.016	046	.116							
72	.409	.100	± .010	.075	6	7	.151	+ .020/- .010	.020/.024	048	.177							
80	.409	.100	± .010	.075	6	7	.135	+ .020/- .010	.020/.024	050	.195							