

REV.
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AS1732

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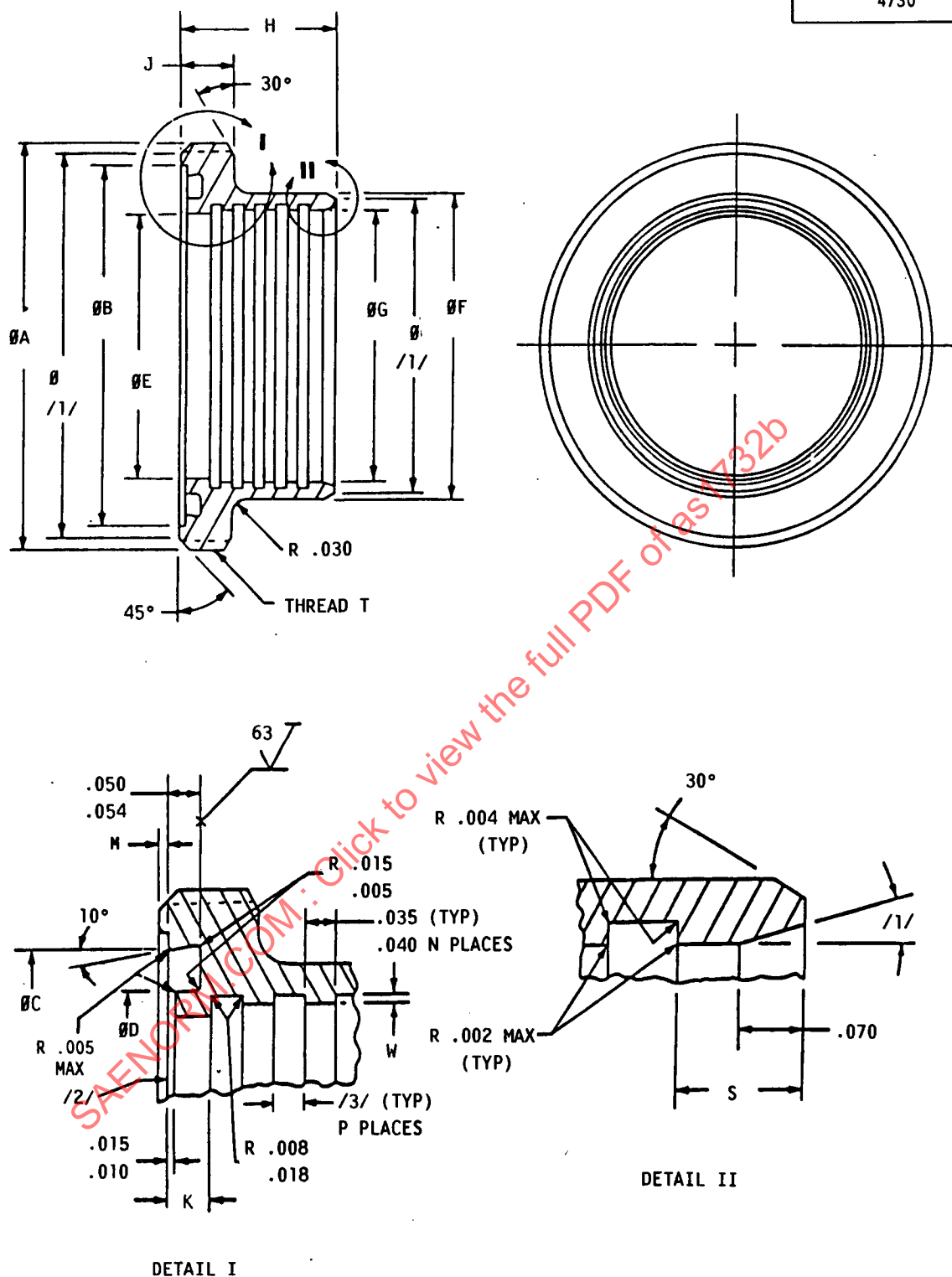


FIGURE 1

CUSTODIAN: SAE G-3/G-3A

PROCUREMENT SPECIFICATION: AS1730

SAE The Engineering Society
For Advancing Mobility
Land Sea Air and Space
INTERNATIONAL

400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

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

AS1732

SHEET 1 OF 4

REV.

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ISSUED 1984-01 REVISED © 1991-10-30

TABLE 1 - COUPLING BODY DIMENSIONS

AS1732 DASH NUMBER	TUBE SIZE (REF)	THREAD T PER H28/2	ΦA +.005/- .000	ΦB +.005/- .000	ΦC +.010/- .000	ΦD +.000/- .010	ΦE +.005/- .000	ΦF +.005/- .000	ΦG TOL	H
04	.250	.687-12 UN-2A	.680	.529	.480	.298	.228	.375	.254 +.005/- .000	.645
05	.312	.750-12 UN-2A	.743	.580	.535	.353	.290	.437	.316 +.005/- .000	.645
06	.375	.812-12 UN-2A	.805	.635	.590	.408	.353	.500	.379 +.005/- .000	.645
08	.500	.937-12 UN-2A	.930	.762	.716	.534	.479	.625	.504 +.005/- .000	.645
10	.625	1.062-12 UN-2A	1.055	.900	.850	.668	.604	.750	.630 +.005/- .000	.675
12	.750	1.250-12 UNF-2A	1.243	1.033	.984	.802	.729	.890	.755 +.005/- .000	.675
16	1.000	1.500-12 UNF-2A	1.493	1.284	1.235	1.053	.980	1.142	1.005 +.005/- .000	.675
20	1.250	1.750-12 UN-2A	1.743	1.534	1.485	1.303	1.230	1.392	1.256 +.005/- .000	.675
24	1.500	2.000-12 UN-2A	1.993	1.783	1.735	1.553	1.480	1.642	1.506 +.005/- .000	.760
28	1.750	2.250-12 UN-2A	2.243	2.045	1.965	1.783	1.730	1.895	1.756 +.005/- .000	.760
32	2.000	2.500-12 UN-2A	2.493	2.292	2.235	2.053	1.981	2.145	2.006 +.005/- .000	.760
36	2.250	2.750-12 UN-2A	2.743	2.545	2.485	2.283	2.231	2.395	2.257 +.005/- .000	.760
40	2.500	3.000-12 UN-2A	2.993	2.800	2.713	2.531	2.481	2.645	2.507 +.005/- .000	.760
44	2.750	3.250-12 UN-2A	3.249	3.045	2.961	2.781	2.731	2.895	2.757 +.005/- .000	.755
48	3.000	3.625-12 UN-2A	3.618	3.395	3.340	3.158	2.979	3.145	3.007 +.005/- .000	.705
56	3.500	4.125-12 UN-2A	4.118	3.895	3.840	3.658	3.479	3.645	3.509 +.005/- .000	.705
64	4.000	4.625-12 /4/	4.603	4.395	4.340	4.158	3.979	4.155	4.009 +.005/- .000	.705
72	4.500	5.125-12 /4/	5.103	4.895	4.840	4.658	4.479	4.655	4.509 +.006/- .000	.884
80	5.000	5.625-12 /4/	5.602	5.378	5.325	5.143	4.979	5.155	5.009 +.006/- .000	.868

TABLE 2 - COUPLING BODY DIMENSIONS AND DESIGN INFORMATION

AS1732 DASH NUMBER	J	K LENGTH	K TOL	M	N PLACES	P PLACES	S LENGTH	S TOL	W	O-RING DASH NO (REF) /S/	WEIGHT MAX LB
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