

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

RATIONALE

MATERIAL OPTION FOR 15-5PH CORROSION RESISTANT STEEL HAS BEEN ADDED. UPDATED.

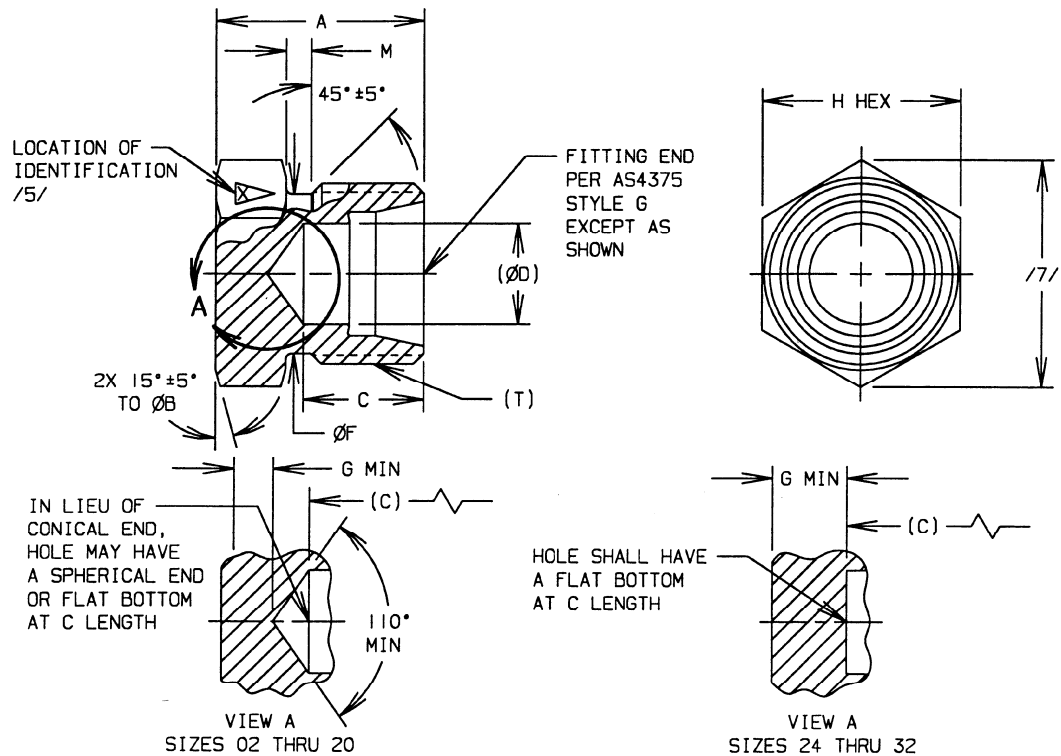
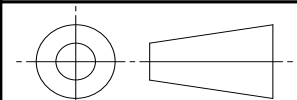


FIGURE 1 - FITTING, PLUG

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS5231B>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280 /4/



AEROSPACE STANDARD

FITTING, PLUG, TUBE END, FLARELESS

AS5231
SHEET 1 OF 4

REV.
B

Documents

TABLE 1 - DIMENSIONS

BASIC NO. AS5231 /14/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879 CLASS 3A	A	B ±.010	C	D
02	.125	.3125-24 UNJF	.562	.418	.371	.093
03	.188	.3750-24 UNJF	.609	.418	.407	.125
04	.250	.4375-20 UNJF	.641	.480	.417	.187
05	.312	.5000-20 UNJF	.672	.542	.416	.234
06	.375	.5625-18 UNJF	.719	.605	.441	.297
08	.500	.7500-16 UNJF	.844	.792	.491	.422
10	.625	.8750-14 UNJF	.984	.918	.604	.500
12	.750	1.0625-12 UNJ	1.031	1.103	.564	.656
14	.875	1.1875-12 UNJ	1.062	1.228	.557	.765
16	1.000	1.3125-12 UNJ	1.062	1.353	.519	.875
20	1.250	1.6250-12 UNJ	1.094	1.666	.428	1.093
24	1.500	1.8750-12 UNJ	1.094	1.978	.812	1.344
32	2.000	2.5000-12 UNJ	1.094	2.599	.812	1.813

TABLE 1A - DIMENSIONS AND WEIGHTS

BASIC NO. AS5231 /14/ SIZE CODE	F +.002/- .003	G	H	M +.015/- .000	LB/EA APPROX REF AL	LB/EA APPROX REF STEEL	LB/EA APPROX REF TI
02	.250	.109	.428-.440	.063	.00571	.0164	.00904
03	.312	.109	.428-.440	.063	.00717	.0206	.0114
04	.364	.109	.490-.502	.075	.00938	.0269	.0148
05	.426	.125	.552-.565	.075	.0128	.0369	.0203
06	.481	.125	.615-.628	.083	.0167	.0480	.0265
08	.660	.156	.802-.815	.094	.0332	.0952	.0525
10	.773	.156	.928-.941	.107	.0532	.153	.0843
12	.945	.188	1.113-1.128	.125	.0801	.230	.127
14	1.070	.188	1.238-1.253	.125	.103	.295	.163
16	1.195	.188	1.363-1.380	.125	.128	.366	.202
20	1.507	.234	1.676-1.693	.125	.212	.610	.336
24	1.756	.234	1.988-2.005	.125	.224	.644	.355
32	2.381	.328	2.609-2.635	.125	.391	1.12	.620



AEROSPACE STANDARD

FITTING, PLUG, TUBE END, FLARELESS

AS5231
SHEET 2 OF 4

REV.

B



Documents

Document Sharing Hub