

REV.
A

SAE AS3229

FEDERAL SUPPLY CLASS
5320

RATIONALE

AS3229A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

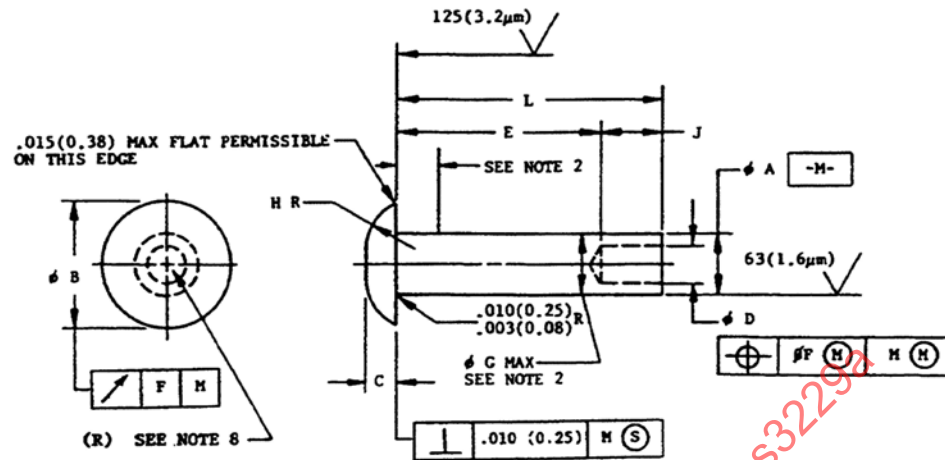
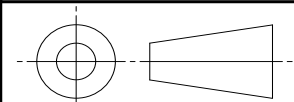


FIGURE 1

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS3229A>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

RIVET - TUBULAR, UNIVERSAL,
AS7228

SAE AS3229
SHEET 1 OF 6

REV.
A

TABLE 1

NOMINAL DIAMETER Inch	NOMINAL DIAMETER (mm)	A Inch	A (mm)	B Inch	B (mm)	C Inch	C (mm)	D Inch	D (mm)	F Inch	F (mm)	G MAX Inch	G MAX (mm)	H Inch	H (mm)	J (REF) Inch	J (REF) (mm)
.062	1.57	.061-.063	1.55-1.60	.119-.131	3.03- 3.32	.027-.037	0.69-0.93	.021-.026	0.54-0.66	.010	0.25	.064	1.62	.044-.064	1.12-1.62	.080	2.03
.094	2.39	.093-.095	2.37-2.41	.179-.197	4.55- 5.00	.040-.050	1.02-1.27	.045-.050	1.15-1.27	.010	0.25	.098	2.43	.072-.092	1.83-2.34	.105	2.67
.125	3.18	.123-.128	3.13-3.20	.238-.262	6.05- 6.65	.054-.064	1.38-1.62	.060-.065	1.53-1.65	.010	0.25	.128	3.25	.099-.118	2.49-2.99	.130	3.30
.156	3.96	.154-.157	3.92-3.98	.296-.328	7.52- 8.33	.067-.077	1.71-1.95	.092-.097	2.34-2.46	.015	0.38	.158	4.01	.125-.145	3.18-3.68	.155	3.94
.188	4.78	.186-.189	4.73-4.80	.356-.394	9.05-10.00	.080-.090	2.04-2.28	.107-.112	2.72-2.84	.015	0.38	.191	4.85	.154-.174	3.92-4.41	.180	4.57
.250	6.35	.248-.252	6.30-6.40	.475-.525	12.07-13.33	.107-.117	2.72-2.97	.154-.159	3.92-4.03	.020	0.50	.254	6.45	.207-.227	5.26-5.76	.230	5.84

AEROSPACE STANDARD

RIVET - TUBULAR, UNIVERSAL,
AS7228

L		A = .062 (1.37)			A = .094 (2.39)		
		PART NO.	E		PART NO.	E	
Inch	(mm)		Inch	(mm)		Inch	(mm)
		APPROX MASS		APPROX MASS		APPROX MASS	
		LB/100	kg/100	LB/100	kg/100	LB/100	kg/100
.148-.166	3.71-4.21	AS3229-001	.061-.091	1.59-2.31	AS3229-031	.036-.066	0.92-1.67
.178-.198	4.53-5.02	AS3229-002	.093-.123	2.37-3.12	AS3229-032	.068-.098	1.73-2.48
.209-.229	5.31-5.81	AS3229-003	.109-.169	2.77-4.29	AS3229-033	.099-.129	2.52-3.27
.240-.260	6.10-6.60	AS3229-004	.155-.185	3.94-4.69	AS3229-034	.130-.160	3.31-4.06
.271-.291	6.89-7.39	AS3229-005	.186-.216	4.73-5.48	AS3229-035	.161-.191	4.09-4.83
.302-.322	7.68-8.17	AS3229-006	.217-.287	5.52-8.27	AS3229-036	.192-.222	4.88-5.63
.334-.354	8.49-8.99	AS3229-007	.249-.279	6.33-7.08	AS3229-037	.224-.254	5.69-6.45
.365-.385	9.28-9.77	AS3229-008	.280-.310	7.12-7.87	AS3229-038	.255-.285	6.48-7.23
.396-.416	10.06-10.56	AS3229-009	.311-.341	7.90-8.66	AS3229-039	.286-.316	7.27-8.02
.428-.448	10.86-11.37	AS3229-010	.343-.373	8.72-9.47	AS3229-040	.318-.348	8.08-8.84
.459-.479	11.66-12.16	AS3229-011	.374-.404	9.50-10.26	AS3229-041	.349-.379	8.87-9.62
.490-.510	12.45-12.95	AS3229-012	.405-.435	10.29-11.04	AS3229-042	.380-.410	9.66-10.41
.521-.541	13.24-13.74	AS3229-013	.436-.466	11.08-11.83	AS3229-043	.411-.441	10.44-11.20
.552-.572	14.03-14.52	AS3229-014	.467-.497	11.87-12.62	AS3229-044	.442-.472	11.23-11.98
.584-.604	14.84-15.34	AS3229-015	.499-.529	12.68-13.43	AS3229-045	.474-.504	12.04-12.80
.615-.635	15.63-16.12				AS3229-046	.505-.535	12.83-13.58
.645-.665	16.39-16.89				AS3229-047	.536-.566	13.62-14.37
.678-.698	17.23-17.72				AS3229-048	.568-.598	14.43-15.18
.709-.729	18.01-18.51				AS3229-049	.599-.629	15.22-15.97
.740-.760	18.80-19.30				AS3229-050	.630-.660	16.01-16.76
.771-.791	19.59-20.09				AS3229-051	.661-.691	16.79-17.55
.802-.822	20.38-20.87				AS3229-052	.692-.722	17.58-18.33
.834-.854	21.19-21.69				AS3229-053	.724-.754	18.39-19.15
.865-.885	21.98-22.47				AS3229-054	.755-.785	19.18-19.93
.896-.916	22.76-23.26				AS3229-055	.786-.816	19.97-20.72
.928-.948	23.58-24.07				AS3229-056	.818-.848	20.78-21.53
.959-.979	24.36-24.86				AS3229-057	.849-.879	21.57-22.32
.990-1.010	25.15-25.65				AS3229-058	.880-.910	22.36-23.11
1.052-1.072	26.73-27.22				AS3229-059	.942-.972	23.93-24.68
1.115-1.135	28.33-28.82				AS3229-060	1.003-1.033	25.53-26.28
1.178-1.198	29.93-30.42				AS3229-061	1.068-1.098	27.13-27.88
1.240-1.260	31.50-32.00				AS3229-062	1.130-1.160	28.71-29.46
1.302-1.322	33.08-33.57				AS3229-063	1.192-1.222	30.28-31.03
1.365-1.385	34.68-35.17				AS3229-064	1.255-1.285	31.88-32.63
1.428-1.448	36.28-36.77				AS3229-065	1.318-1.348	33.48-34.23
1.490-1.510	37.85-38.35				AS3229-066	1.380-1.410	35.08-35.81

TABLE 2

Click to view the full PDF of AS3229a

AEROSPACE STANDARD

RIVET - TUBULAR, UNIVERSAL,
AS7228

L				A-125 (3.18)				A-156 (3.96)			
Inch	(mm)	PART NO.	E	Inch	(mm)	LB/100	kg/100	Inch	(mm)	LB/100	kg/100
.178-.198	4.53-5.02	AS3229-102	.043-.073	1.10-1.85	.086	.039	.044	.080-.110	2.04-2.79	.170	.077
.209-.229	5.31-5.81	AS3229-103	.074-.104	1.88-2.64	.097	.049	.054	.111-.141	2.82-3.58	.187	.085
.240-.260	6.10-6.60	AS3229-104	.105-.135	2.67-3.42	.108	.059	.059	.142-.172	3.61-4.36	.204	.093
.271-.291	6.89-7.39	AS3229-105	.136-.166	3.46-4.21	.119						
.302-.322	7.68-8.17	AS3229-106	.167-.197	4.25-5.00	.129						
.334-.352	8.49-8.99	AS3229-107	.199-.229	5.06-5.81	.140						
.365-.385	9.28-9.77	AS3229-108	.230-.260	5.85-6.60	.151						
.396-.416	10.06-10.56	AS3229-109	.261-.291	6.63-7.39	.161						
.428-.448	10.88-11.37	AS3229-110	.293-.323	7.45-8.20	.173						
.459-.479	11.66-12.16	AS3229-111	.324-.354	8.23-8.99	.184						
.490-.510	12.45-12.95	AS3229-112	.355-.385	9.02-9.77	.195						
.521-.541	13.24-13.74	AS3229-113	.386-.416	9.81-10.56	.206						
.552-.572	14.03-14.52	AS3229-114	.417-.447	10.60-11.35	.217						
.584-.604	14.84-15.34	AS3229-115	.449-.479	11.41-12.16	.228						
.615-.635	15.63-16.12	AS3229-116	.480-.510	12.20-12.95	.239						
.646-.666	16.42-16.92	AS3229-117	.511-.541	12.98-13.74	.249						
.678-.698	17.23-17.72	AS3229-118	.543-.573	13.79-14.54	.261						
.709-.729	18.01-18.51	AS3229-119	.574-.604	14.58-15.34	.272						
.740-.760	18.80-19.30	AS3229-120	.605-.635	15.37-16.12	.282						
.771-.791	19.59-20.09	AS3229-121	.636-.666	16.16-16.91	.293						
.802-.822	20.38-20.87	AS3229-122	.667-.697	16.95-17.70	.304						
.834-.854	21.19-21.69	AS3229-123	.699-.729	17.76-18.51	.315						
.865-.885	21.98-22.47	AS3229-124	.730-.760	18.55-19.30	.326						
.896-.916	22.76-23.26	AS3229-125	.761-.791	19.33-20.09	.337						
.928-.948	23.56-24.07	AS3229-126	.793-.823	20.13-20.88	.348						
.959-.979	24.36-24.86	AS3229-127	.824-.854	20.93-21.69	.359						
.990-1.010	25.15-25.65	AS3229-128	.855-.885	21.72-22.47	.370						
1.052-1.072	26.73-27.22	AS3229-129	.917-.947	23.30-24.05	.391						
1.115-1.135	28.33-28.82	AS3229-130	.980-1.010	24.90-25.65	.414						
1.178-1.198	29.93-30.42	AS3229-131	1.043-1.073	26.50-27.25	.435						
1.240-1.260	31.50-32.00	AS3229-132	1.105-1.135	28.07-28.82	.457						
1.302-1.322	33.08-33.57	AS3229-133	1.167-1.197	29.65-30.40	.478						
1.365-1.385	34.68-35.17	AS3229-134	1.230-1.260	31.25-32.00	.500						
1.428-1.448	36.28-36.77	AS3229-135	1.293-1.323	32.85-33.60	.522						
1.490-1.510	37.85-38.35	AS3229-136	1.355-1.385	34.42-35.17	.544						
1.552-1.572	39.43-39.92	AS3229-137	1.417-1.447	36.00-36.75	.566						
1.615-1.635	41.03-41.52	AS3229-138	1.480-1.510	37.60-38.35	.588						
1.678-1.698	42.63-43.12	AS3229-139	1.543-1.573	39.20-39.95	.610						
1.740-1.760	44.20-44.70	AS3229-140	1.605-1.635	40.77-41.52	.631						
1.802-1.822	45.78-46.27										
1.865-1.885	47.38-47.87										
1.928-1.948	48.98-49.47										
1.990-2.010	50.55-51.05										

TABLE 2 (CONTINUED)