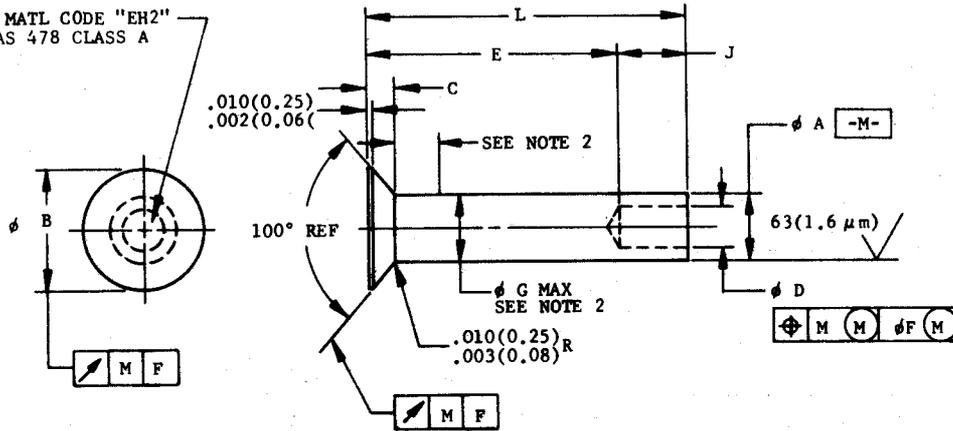


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SAE Technical Board rules provide that: "All technical reports, including standards approved and practices recommended, are advisory only. Their use by anyone engaged in industry or trade is entirely voluntary. There is no agreement to adhere to any SAE standard or recommended practice, and no commitment to conform to or be guided by any technical report. In formulating and approving technical reports, the Board and its Committees will not investigate or consider patents which may apply to the subject matter. Prospective users of the report are responsible for protecting themselves against liability for infringement of patents."

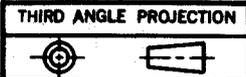
MARK MATL CODE "EH2"
PER AS 478 CLASS A



NOMINAL DIAMETER	A		B		C		D		
	IN.	(mm)	IN.	(mm)	IN.	(mm)	IN.	(mm)	
.062	1.57	.061-.063	1.55-1.60	.099-.107	2.52- 2.71	.019-.023	0.49-0.58	.021-.026	0.54-0.66
.094	2.39	.093-.095	2.37-2.41	.164-.172	4.17- 4.36	.033-.037	0.84-0.93	.045-.050	1.15-1.27
.125	3.18	.123-.126	3.13-3.20	.210-.218	5.34- 5.53	.039-.043	1.00-1.09	.060-.065	1.53-1.65
.156	3.96	.154-.157	3.92-3.98	.272-.280	6.91- 7.11	.052-.056	1.33-1.42	.092-.097	2.34-2.46
.188	4.78	.186-.189	4.73-4.80	.337-.347	8.56- 8.81	.067-.071	1.71-1.80	.107-.112	2.72-2.84
.250	6.35	.248-.252	6.30-6.40	.460-.470	11.69-11.93	.092-.096	2.34-2.43	.154-.159	3.92-4.03

NOMINAL DIAMETER	F		G MAX		J (REF)		
	IN.	(mm)	IN.	(mm)	IN.	(mm)	
.062	1.57	.010	0.25	.064	1.62	.090	2.29
.094	2.39	.010	0.25	.096	2.43	.105	2.67
.125	3.18	.010	0.25	.128	3.25	.130	3.30
.156	3.96	.015	0.38	.158	4.01	.155	3.94
.188	4.78	.015	0.38	.191	4.85	.180	4.57
.250	6.35	.020	0.50	.254	6.45	.230	5.84

1. MATERIAL: CRES AMS 7232
2. ϕ G FOR DISTANCE OF .060(1.52) FOR LENGTHS .188(4.78) AND SHORTER AND .100(2.54) FOR LENGTHS LONGER THAN .188(4.78).
3. SURFACE TEXTURE: SYMBOLS PER ANSI Y14.36-1978; REQUIREMENTS PER ANSI B46.1-1978, UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 250 MICRINCHES (6.3 MICROMETRES).
4. DIMENSIONS AND TOLERANCES: ANSI Y14.5-1973.
5. DIMENSIONS IN INCHES (MILLIMETRES), METRIC CONVERSIONS IN PARENTHESES ARE IN INTERNATIONAL SYSTEMS UNITS (SI).
6. BREAK SHARP EDGES .003-.015(0.08-0.38) UNLESS OTHERWISE SPECIFIED.
7. DO NOT USE UNASSIGNED PART NUMBERS.



PREPARED BY SAE COMMITTEE E-25, ENGINE AND PROPELLER STANDARD UTILITY PARTS

Society of Automotive Engineers, Inc.
400 COMMONWEALTH DRIVE, WARRENDALE, PA 15098

AEROSPACE STANDARD

RIVET - TUBULAR, COUNTERSUNK, AMS 7232

AS3230

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REAFFIRMED

11/91 5/95

L			E			E			A = .062 (1.57)			A = .094 (2.39)		
IN.	(mm)	PART NO.	IN.	(mm)	PART NO.	IN.	(mm)	PART NO.	APPROX MASS		APPROX MASS			
									LB/100	kg/100	LB/100	kg/100		
.146-166	3.71-4.21	AS3230-001	.051-.081	1.30-3.05	AS3230-051	.036-.066	0.92-1.67	AS3230-051	.014	.006	.033	.015		
.178-198	4.53-5.02	AS3230-002	.083-103	2.11-3.30	AS3230-052	.068-.098	1.73-2.48	AS3230-052	.017	.008	.039	.017		
.209-229	5.31-5.81	AS3230-003	.114-144	2.90-3.65	AS3230-053	.099-.129	2.52-3.27	AS3230-053	.019	.009	.046	.021		
.240-260	6.10-6.60	AS3230-004	.145-175	3.69-4.44	AS3230-054	.130-.160	3.31-4.06	AS3230-054	.023	.011	.052	.024		
.271-291	6.89-7.39	AS3230-005	.176-206	4.48-5.23	AS3230-055	.161-.191	4.09-4.85	AS3230-055	.026	.012	.059	.027		
.302-322	7.68-8.17	AS3230-006	.207-237	5.26-6.01	AS3230-056	.192-.222	4.88-5.63	AS3230-056	.028	.013	.066	.030		
.334-354	8.49-8.99	AS3230-007	.239-269	6.08-6.83	AS3230-057	.224-.254	5.69-6.45	AS3230-057	.032	.015	.073	.033		
.365-385	9.28-9.77	AS3230-008	.270-300	6.86-7.62	AS3230-058	.255-.285	6.48-7.23	AS3230-058	.034	.016	.079	.036		
.396-416	10.06-10.56	AS3230-009	.301-331	7.65-8.40	AS3230-059	.286-.316	7.27-8.02	AS3230-059	.037	.017	.085	.039		
.428-448	10.88-11.37	AS3230-010	.333-363	8.46-9.22	AS3230-060	.318-.348	8.08-8.84	AS3230-060	.039	.018	.092	.042		
.459-479	11.66-12.16	AS3230-011	.364-394	9.25-10.00	AS3230-061	.349-.379	8.87-9.62	AS3230-061	.043	.019	.099	.045		
.490-510	12.45-12.95	AS3230-012	.395-425	10.04-10.79	AS3230-062	.380-.410	9.66-10.41	AS3230-062	.046	.021	.106	.048		
.521-541	13.24-13.74	AS3230-013	.426-456	10.83-11.58	AS3230-063	.411-.441	10.44-11.20	AS3230-063	.049	.022	.112	.051		
.552-572	14.03-14.52	AS3230-014	.457-487	11.61-12.36	AS3230-064	.442-.472	11.23-11.98	AS3230-064	.051	.023	.117	.053		
.584-604	14.84-15.34	AS3230-015	.489-519	12.43-13.18	AS3230-065	.474-.504	12.04-12.80	AS3230-065	.054	.025	.125	.057		
.615-635	15.63-16.12				AS3230-066	.505-.535	12.83-13.58	AS3230-066			.131	.060		
.645-665	16.39-16.89				AS3230-067	.536-.566	13.62-14.37	AS3230-067			.138	.062		
.678-698	17.23-17.72				AS3230-068	.568-.598	14.43-15.18	AS3230-068			.145	.066		
.709-729	18.01-18.51				AS3230-069	.599-.629	15.22-15.97	AS3230-069			.151	.068		
.740-760	18.80-19.30				AS3230-070	.630-.660	16.01-16.76	AS3230-070			.158	.072		
.771-791	19.59-20.09				AS3230-071	.661-.691	16.79-17.55	AS3230-071			.164	.074		
.802-822	20.38-20.87				AS3230-072	.692-.722	17.58-18.33	AS3230-072			.171	.077		
.834-854	21.19-21.69				AS3230-073	.724-.754	18.39-19.15	AS3230-073			.178	.081		
.865-885	21.98-22.47				AS3230-074	.755-.785	19.18-19.93	AS3230-074			.184	.084		
.896-916	22.76-23.26				AS3230-075	.786-.816	19.97-20.72	AS3230-075			.191	.087		
.928-948	23.58-24.07				AS3230-076	.818-.848	20.78-21.53	AS3230-076			.197	.089		
.959-979	24.36-24.86				AS3230-077	.849-.879	21.57-22.32	AS3230-077			.204	.092		
.990-1.010	25.15-25.65				AS3230-078	.880-.910	22.36-23.11	AS3230-078			.210	.095		
1.032-1.072	26.73-27.22				AS3230-079	.942-.972	23.93-25.68	AS3230-079			.224	.102		
1.115-1.135	28.33-28.82				AS3230-080	1.005-1.035	25.53-26.28	AS3230-080			.237	.107		
1.176-1.198	29.93-30.42				AS3230-081	1.068-1.098	27.13-27.88	AS3230-081			.250	.113		
1.240-1.260	31.50-32.00				AS3230-082	1.130-1.160	28.71-29.46	AS3230-082			.263	.119		
1.302-1.322	33.08-33.57				AS3230-083	1.192-1.222	30.78-31.03	AS3230-083			.276	.125		
1.365-1.385	34.68-35.17				AS3230-084	1.255-1.285	31.88-32.63	AS3230-084			.289	.131		
1.428-1.448	36.28-36.77				AS3230-085	1.318-1.348	33.48-34.23	AS3230-085			.303	.137		
1.490-1.510	37.85-38.35				AS3230-086	1.380-1.410	35.06-35.81	AS3230-086			.316	.143		

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