

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."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

AMS 10133A

FEDERAL SUPPLY CLASS
9540

NOTICE

THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION AND10133, AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE AND10133. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.

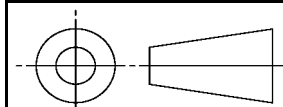
THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT.

UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY MATERIAL RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS TECHNICAL DOCUMENT.

SAENORM.COM : Click to view the full PDF of ams10133A



THIRD ANGLE PROJECTION



PREPARED UNDER THE JURISDICTION OF AMS COMMITTEE "D"

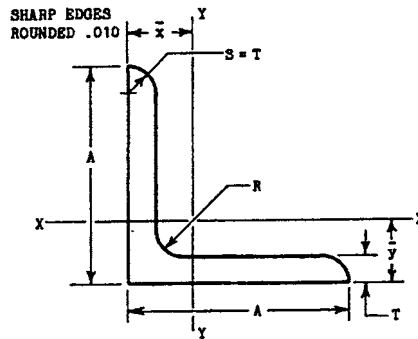
SAE Aerospace
An SAE International Group

AMS SPECIFICATION

ANGLE - EQUAL LEG EXTRUDED

AMS 10133A
SHEET 1 OF 3

ISSUED 1998-02 REVISED 1998-12 REAFFIRMED 2005-10



AMS 10133 DASH NO. 8	NOMINAL DIMENSIONS			AREA Square Inches	SECTION ELEMENTS		
	A	T	R		$\bar{y}$ & $\bar{x}$	I	ρ
	Inches				Inch	Inches ⁴	Inch
-0401	.500	.063	.063	.0582	.144	.0013	.147
-0501	.625	.063	.094	.0749	.174	.0026	.186
-0502		.078		.0908	.180	.0031	.185
-0503		.094		.1068	.184	.0039	.181
-0601	.750	.063	.094	.0908	.206	.0047	.227
-0602		.094		.130	.215	.0063	.220
-0603		.125		.167	.225	.0078	.216
-0701	.875	.063	.094	.107	.236	.0075	.265
-0702		.094		.154	.246	.0106	.262
-0703		.125		.198	.256	.0129	.256
-1001	1.000	.063	.188	.128	.260	.0118	.302
-1002		.094		.183	.273	.0160	.296
-1003		.125		.235	.285	.0202	.293
-1201	1.250	.063	.188	.159	.322	.0234	.383
-1202		.094		.230	.335	.0330	.379
-1203		.125		.298	.347	.0474	.373
-1204	1.500	.188	.188	.427	.368	.0561	.362
-1401		.063		.191	.384	.0411	.464
-1402		.094		.277	.398	.0585	.460
-1403	1.750	.125	.250	.360	.409	.0741	.454
-1404		.188		.521	.431	.1021	.443
-1601		.094		.330	.454	.0947	.536
-1602	2.000	.125	.250	.429	.468	.1214	.532
-1603		.188		.621	.491	.1683	.521
-2001		.094		.377	.516	.1436	.617
-2002	2.500	.125	.250	.491	.530	.1838	.612
-2003		.188		.715	.553	.2582	.601
-2004		.250		.924	.574	.3222	.591
-2401	3.000	.125	.250	.616	.654	.3689	.774
-2402		.188		.903	.678	.5248	.762
-2403		.250		1.17	.699	.6628	.751
-3001	3.000	.188	.250	1.09	.803	.9306	.924
-3002		.250		1.42	.824	1.1834	.912
-3003		.313		1.75	.844	1.4200	.900

NOTES ON SYMBOLS

" $\bar{y}$ " (AND " $\bar{x}$ ") = LOCATING DIMENSIONS FOR AXIS XX-YY.

I = MOMENT OF INERTIA ABOUT XX AND YY.

ρ = RADIUS OF GYRATION ABOUT AXIS XX AND YY.

DASH NUMBER: IS DIE NUMBER AND INDICATE EACH SHAPE AND SIZE OF SECTION. EXAMPLE: IN "AND10133-1401", "10133" INDICATES "ANGLE-EQUAL LEG", 14 INDICATES 1-4/8 INCH FOR DIMENSION "A" (1.500 IN COL. "A"). 01 IN 1401 IS SERIAL NUMBER ONLY.