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AMS 10136A

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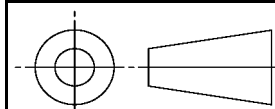
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THIRD ANGLE PROJECTION



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

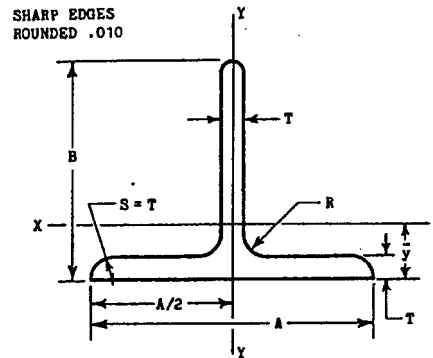
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SAE Aerospace
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AMS SPECIFICATION

TEE - EXTRUDED

AMS 10136A
SHEET 1 OF 4



AMS 10136 DASH NO'S	NOMINAL DIMENSIONS				AREA	SECTION ELEMENTS				
	A	B	T	R	Square Inches	$\bar{y}$	Ixx	Iyy	ρ_{xx}	ρ_{yy}
	Inches					Inch	Inches ⁴		Inch	
-1201	1.250	.625	.050	.094	.0937	.121	.0028	.0077	.173	.287
-1202		.750	.063	.125	.127	.160	.0055	.0098	.209	.276
-1301		.750	.050	.094	.106	.148	.0046	.0103	.209	.312
-1302	1.3750		.063		.150	.228	.0131	.0129	.296	.293
-1303		1.000	.078	.125	.183	.235	.0156	.0158	.292	.294
-1304			.094		.216	.242	.0182	.0188	.290	.295
-1305	1.500	1.250	.094		.240	.327	.0345	.0188	.379	.280
-1401			.063		.141	.141	.0052	.0169	.192	.346
-1402		.750	.094		.204	.159	.0080	.0244	.198	.346
-1403	1.500	1.000	.078		.193	.225	.0160	.0200	.288	.327
-1404			.094	.125	.228	.232	.0186	.0245	.286	.328
-1405			.078		.212	.307	.0301	.0206	.377	.312
-1406	1.6250	1.250	.094		.252	.314	.0354	.0245	.375	.312
-1407			.125		.326	.327	.0449	.0319	.371	.313
-1501		.875	.078		.192	.180	.0110	.0263	.240	.370
-1502	1.6250		.125		.295	.198	.0161	.0407	.234	.372
-1503		1.125	.078	.125	.212	.254	.0228	.0263	.328	.352
-1504			.125	.125	.326	.274	.0339	.0408	.322	.364
-1505	1.750		.094		.275	.345	.0475	.0314	.415	.338
-1506		1.375	.125		.358	.358	.0605	.0408	.411	.338
-1507			.156		.437	.370	.0725	.0499	.407	.338
-1601	1.750	.875	.094		.240	.179	.0131	.0393	.234	.405
-1602			.125		.311	.191	.0164	.0512	.230	.406
-1603		1.125	.094		.263	.252	.0273	.0343	.322	.386
-1604	1.750		.156		.418	.276	.0412	.0628	.314	.387
-1605		1.375	.094	.125	.287	.333	.0484	.0393	.411	.370
-1606			.156		.457	.358	.0741	.0627	.403	.371
-1607	1.625		.094		.310	.420	.0777	.0394	.500	.356
-1608		1.625	.125		.405	.434	.0995	.0513	.496	.356
-1609			.156		.497	.446	.1200	.0629	.492	.356

NOTES ON SYMBOLS

$\bar{y}$ = LOCATING DIMENSIONS FOR AXIS XX-YY.

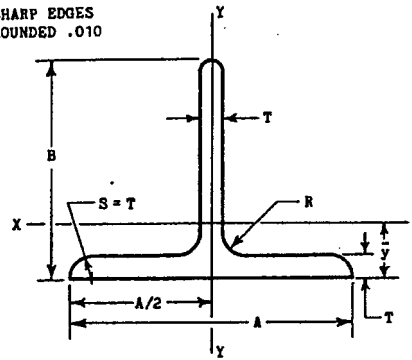
Ixx (AND Iyy) = MOMENT OF INERTIA ABOUT XX AND YY.

ρ_{xx} (AND ρ_{yy}) = RADIUS OF GYRATION ABOUT XX AND YY.

DASH NUMBER: IS DIE NUMBER AND INDICATES EACH SHAPE AND SIZE OF SECTION. EXAMPLE: IN "AND10136-1401", "10136" INDICATES "TEE"; 14 INDICATES 1-4/8 INCH FOR DIMENSION "A" (1.500 IN COL. "A"); 01 IN 1401 IS SERIAL NUMBER ONLY.

MATERIAL SHALL BE IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS.

PART MARKING AND DOCUMENTATION MAY BE EITHER AMS 10136 OR AND10136.

SHARP EDGES
ROUNDED .010

AMS 10136 DASH NO'S	NOMINAL DIMENSIONS				AREA Square Inches	SECTION ELEMENTS				
	A	B	T	R		$\bar{Y}$	Ixx	Iyy	ρ_{xx}	ρ_{yy}
	Inches					Inch	Inches ⁴		Inch	
-1701	1.875	1.000	.078	.125	.222	.200	.0169	.0408	.275	.429
-1702			.094		.263	.207	.0197	.0485	.274	.429
-1703			.125		.342	.219	.0249	.0635	.270	.430
-1704		1.250	.125		.373	.294	.0479	.0634	.358	.412
-1705			.156		.457	.306	.0572	.0776	.354	.412
-1706			.094		.310	.363	.0631	.0485	.452	.396
-1707		1.500	.125		.405	.376	.0809	.0635	.447	.396
-1708			.156		.496	.388	.0973	.0776	.443	.396
-1709			.156		.535	.477	.1513	.0777	.532	.381
-2001	2.000	1.000	.078	.125	.231	.194	.0171	.0496	.272	.463
-2002			.094		.275	.200	.0200	.0592	.270	.464
-2003			.125		.358	.212	.0253	.0770	.266	.464
-2004		1.250	.078		.251	.265	.0325	.0495	.360	.444
-2005			.094		.299	.272	.0383	.0592	.358	.445
-2006			.125		.389	.285	.0488	.0770	.354	.445
-2007		1.750	.094		.346	.438	.0925	.0592	.537	.414
-2008			.125		.451	.451	.1278	.0772	.532	.414
-2101			.094		.346	.241	.0403	.1168	.342	.581
-2401	2.500	1.250	.125	.125	.452	.254	.0513	.1530	.338	.582
-2402			.156		.554	.265	.0616	.1881	.333	.583
-2403			.094		.381	.351	.0358	.1168	.475	.554
-2404		1.625	.125		.498	.364	.1101	.1530	.470	.554
-2405			.156		.613	.376	.1329	.1882	.466	.554
-2406			.125		.545	.487	.1991	.1531	.604	.530
-2407		2.000	.156		.671	.500	.2412	.1882	.599	.530
-2408			.188		.807	.509	.2831	.2240	.592	.527
-3001			.125		.545	.295	.0914	.2670	.469	.700
-3002	3.000	1.500	.156	.125	.671	.307	.1101	.3291	.405	.700
-3003		2.000	.156		.749	.456	.2539	.3292	.582	.663
-3004			.188		.901	.465	.2984	.3919	.576	.659
-3005			.125		.670	.611	.3929	.2669	.766	.631
-3006		2.500	.188		.995	.632	.5649	.3925	.754	.628
-3007			.188							

NOTES ON SYMBOLS

"Y" = LOCATING DIMENSIONS FOR AXIS XX-YY.

Ixx (AND Iyy) = MOMENT OF INERTIA ABOUT XX AND YY.

 ρ_{xx} (AND ρ_{yy}) = RADIUS OF GYRATION ABOUT XX AND YY.

DASH NUMBER: IS DIE NUMBER AND INDICATES EACH SHAPE AND SIZE OF SECTION. EXAMPLE: IN "AND10136-2401", "10136" INDICATES "TEE"; 24 INDICATES 2-4/8 INCH FOR DIMENSION "A" (2.500 IN COL. "A"); 01 IN 2401 IS SERIAL NUMBER ONLY.

MATERIAL SHALL BE IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS.