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AMS 10138A

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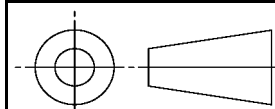
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THIRD ANGLE PROJECTION



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

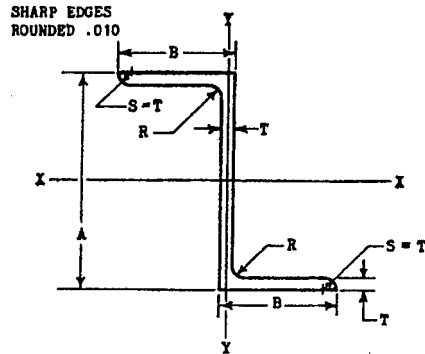
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SAE Aerospace
An SAE International Group

AMS SPECIFICATION

ZEE - EQUAL LEG EXTRUDED

AMS 10138A
SHEET 1 OF 4



AMS 10138 DASH NO'S	NOMINAL DIMENSIONS				AREA Square Inches	SECTION ELEMENTS			
	A	B	T	R		I _{xx}	I _{yy}	ρ_{xx}	ρ_{yy}
	Inches					Inches ⁴		Inches	
-0401	.500	.625	.050	.094	.0852	.0035	.0068	.203	.283
-0402			.063	.125	.1073	.0042	.0082	.197	.277
-0403		.750	.050	.094	.0977	.0042	.0122	.206	.353
-0404			.063	.125	.1231	.0049	.0148	.200	.346
-0501	.625	.625	.050	.094	.0916	.0060	.0069	.255	.274
-0502			.063	.125	.115	.0071	.0083	.248	.268
-0503		.750	.050	.094	.104	.0070	.0122	.259	.342
-0504			.063	.125	.131	.0084	.0148	.253	.336
-0505		1.000	.063	.125	.163	.0109	.0367	.259	.475
-0601	.750	.625	.050	.094	.0977	.0090	.0068	.304	.264
-0602			.063	.125	.123	.0110	.0082	.298	.259
-0603		.750	.050	.094	.110	.0106	.0122	.310	.333
-0604			.063	.125	.139	.0128	.0148	.304	.326
-0605		1.000	.063	.125	.170	.0165	.0367	.312	.464
-0701	.875	.625	.050	.094	.104	.0130	.0068	.353	.257
-0702			.063	.125	.131	.0158	.0083	.347	.251
-0703		.750	.050	.094	.117	.0151	.0122	.360	.323
-0704			.063	.125	.147	.0184	.0148	.354	.317
-0705		.875	.078	.125	.177	.0214	.0175	.348	.324
-0706			.050	.094	.129	.0172	.0197	.365	.391
-0707		.875	.063	.125	.163	.0210	.0241	.359	.385
-0708			.078	.125	.197	.0245	.0287	.353	.382
-0709	1.000	.875	.063	.125	.178	.0236	.0367	.364	.454
-0710			.078	.125	.216	.0276	.0439	.358	.451
-1001	1.000	.625	.050	.094	.110	.0176	.0068	.400	.249
-1002			.063	.125	.139	.0216	.0083	.394	.244
-1003		.750	.050	.094	.123	.0205	.0121	.408	.315
-1004			.063	.125	.155	.0251	.0147	.403	.308
-1005		.875	.078	.125	.187	.0294	.0175	.396	.307
-1006			.063	.125	.170	.0285	.0242	.409	.377
-1007		.875	.078	.125	.206	.0335	.0287	.403	.373
-1008			.094	.125	.244	.0383	.0332	.397	.369
-1009		1.000	.063	.125	.186	.0320	.0367	.415	.444
-1010			.078	.125	.226	.0377	.0439	.408	.441

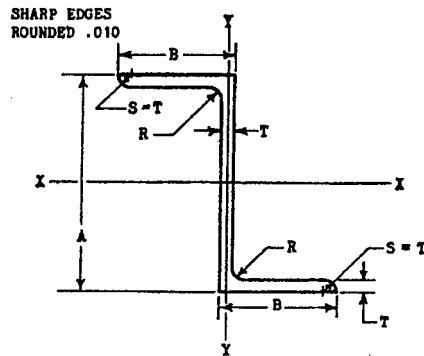
NOTES ON SYMBOLS

I_{xx} (AND I_{yy}) = 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 "AND10138-1001", "10138" INDICATES "ZEE-EQUAL LEG"; 10 INDICATES 1.0 INCH FOR DIMENSION "A" (1.000 IN COL. "A"); 01 IN 1001 IS SERIAL NUMBER ONLY.

MATERIAL SHALL BE IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS.

PART MARKING AND DOCUMENTATION MAY BE EITHER AMS 10138 OR AND10138.



AMS 10138 DASH NO'S	NOMINAL DIMENSIONS				AREA Square Inches	SECTION ELEMENTS				
	A	B	T	R		I _{xx}	I _{yy}	ρ_{xx}	ρ_{yy}	
	Inches					Inches ⁴		Inch		
-1101	1.125	.625	.063	.125	.117	.0285	.0083	.111	.237	
-1102			.050	.094	.112	.0304	.0197	.114	.171	
-1103			.063		.178	.0374	.0244	.158	.368	
-1104		.875	.078		.216	.0441	.0287	.152	.361	
-1105			.094		.256	.0507	.0332	.165	.361	
-1106			.063	.125	.210	.0467	.0530	.172	.503	
-1107	1.125	.875	.078		.255	.0548	.0637	.164	.500	
-1108			.094		.303	.0632	.0744	.167	.496	
-1201		.750	.063		.170	.0421	.0116	.147	.295	
-1202			.078		.206	.0497	.0175	.149	.291	
-1203			.063	.125	.202	.0532	.0366	.151	.428	
-1204		1.000	.094		.291	.0729	.0511	.151	.419	
-1205	1.250		.078		.284	.0765	.0887	.152	.558	
-1206			.094		.338	.0886	.1039	.152	.555	
-1301	1.375	.750	.063		.178	.0562	.0116	.153	.288	
-1302			.063		.210	.0662	.0367	.156	.418	
-1303			.078	.125	.255	.0794	.0439	.158	.415	
-1304		1.000	.094		.293	.0911	.0511	.159	.411	
-1305			.078		.294	.0951	.0887	.159	.549	
-1306			.125		.453	.1365	.1308	.159	.537	
-1401	1.500	.750	.078		.226	.0765	.0175	.162	.278	
-1402			.078		.265	.0961	.0439	.162	.407	
-1403			.094	.125	.311	.1116	.0511	.159	.403	
-1404		1.250	.094		.261	.1349	.1040	.161	.536	
-1601			.078		.245	.1104	.0175	.171	.267	
-1602			.078	.125	.284	.1377	.0439	.166	.393	
-1603	1.750	1.250	.094		.385	.1925	.1039	.170	.520	
-2001			.063		.218	.1272	.0116	.165	.261	
-2002			.094	.125	.361	.2194	.0511	.177	.376	
-2003	2.000	1.250	.094		.408	.2621	.1040	.181	.505	
-2004			.125		.594	.3052	.2346	.186	.629	
-2101		2.500	.750	.063		.249	.2172	.0116	.194	.244
-2102	.078				.323	.2890	.0288	.195	.298	
-2103	.094			.125	.385	.3383	.0333	.198	.294	
-2104	1.000		.094		.408	.3723	.0512	.195	.354	
-2105			.125		.531	.4707	.0636	.194	.346	

NOTES ON SYMBOLS

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DASH NUMBER: IS DIE NUMBER AND INDICATES EACH SHAPE AND SIZE OF SECTION. EXAMPLE: IN "AND10138-1401", "10138" INDICATES "ZEE-EQUAL LEG"; 14 INDICATES 1-1/4 INCH FOR DIMENSION "A" (1.500 IN COL. "A"); 01 IN 1401 IS SERIAL NUMBER ONLY.

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