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AMS 10139A

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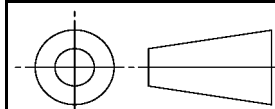
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THIRD ANGLE PROJECTION



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

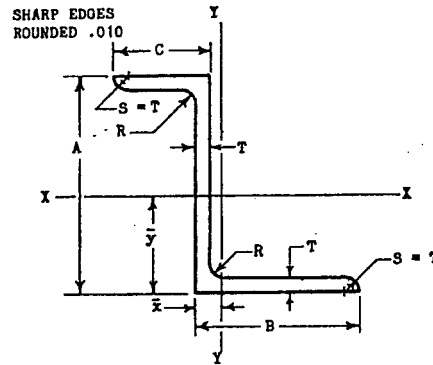
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SAE Aerospace
An SAE International Group

AMS SPECIFICATION

ZEE - UNEQUAL LEG EXTRUDED

AMS 10139A
SHEET 1 OF 4



AMS 10139 DASH NO'S	NOMINAL DIMENSIONS					AREA Square Inches	SECTION ELEMENTS						
	A	B	C	T	R		$\bar{y}$	$\bar{x}$	I_{xx}	I_{yy}	ρ_{xx}	ρ_{yy}	
	Inches						Inches		Inches ⁴		Inches		
-0401	.500	.625	.375	.050	.094	.0727	.211	.105	.0027	.0037	.191	.227	
-0402				.063	.125	.0916	.212	.110	.0033	.0043	.189	.218	
-0403		.750		.050	.094	.0790	.197	.150	.0030	.0055	.194	.264	
-0404				.063	.125	.0995	.198	.154	.0035	.0067	.188	.259	
-0501	.625	.625	.375	.050	.094	.0790	.267	.0985	.0047	.0037	.244	.215	
-0502				.063	.125	.0994	.268	.104	.0057	.0044	.239	.210	
-0503		.750		.050	.094	.0852	.249	.111	.0051	.0056	.244	.256	
-0504				.063	.125	.107	.251	.115	.0061	.0068	.238	.251	
-0505	.750	1.000	.375	.063	.125	.117	.282	.121	.0095	.0245	.254	.409	
-0601				.050	.094	.0852	.324	.0931	.0073	.0037	.293	.208	
-0602		.625		.063	.125	.107	.325	.0984	.0088	.0044	.287	.203	
-0603				.050	.094	.0916	.303	.133	.0078	.0057	.292	.250	
-0604	.875	.750	.375	.063	.125	.115	.305	.138	.0095	.0069	.287	.244	
-0605				.050	.094	.0916	.340	.116	.0145	.0246	.306	.399	
-0701		.625		.063	.125	.115	.382	.0937	.0128	.0045	.334	.197	
-0702				.050	.094	.0916	.360	.131	.0137	.0070	.334	.238	
-0703	.875	.750	.375	.063	.125	.123	.359	.139	.0158	.0081	.327	.234	
-0704				.050	.094	.110	.367	.136	.0135	.0102	.350	.305	
-0705		.625		.063	.125	.139	.368	.111	.0164	.0124	.344	.299	
-0706				.078	.156	.167	.368	.119	.0191	.0116	.337	.296	
-0707	1.000	.750	.375	.063	.125	.163	.398	.112	.0207	.0217	.357	.390	
-0708				.078	.156	.187	.398	.120	.0242	.0294	.351	.387	
-1001		.625		.050	.094	.0977	.439	.084	.0144	.0037	.384	.196	
-1002				.063	.125	.104	.414	.120	.0154	.0058	.385	.236	
-1003	1.000	.750	.375	.050	.094	.158	.415	.133	.0220	.0082	.374	.229	
-1004				.078	.156	.177	.424	.144	.0271	.0118	.385	.291	
-1005		.625		.063	.125	.131	.423	.152	.0299	.0169	.378	.285	
-1006				.078	.156	.187	.406	.175	.0232	.0171	.388	.332	
-1007	1.125	.750	.375	.063	.125	.187	.404	.184	.0277	.0203	.385	.330	
-1101				.078	.156	.209	.499	.0862	.0235	.0045	.421	.186	
-1102		.625		.050	.094	.123	.480	.125	.0212	.0103	.444	.290	
-1103				.063	.125	.155	.481	.130	.0297	.0126	.438	.285	
-1104	1.125	.750	.375	.078	.156	.187	.480	.138	.0348	.0148	.432	.282	
-1105				.094	.188	.220	.480	.146	.0398	.0170	.425	.278	
-1106		.625		.063	.125	.178	.469	.178	.0358	.0268	.448	.388	
-1107				.078	.156	.216	.468	.187	.0422	.0320	.442	.385	
-1108				.094	.188	.256	.468	.196	.0484	.0373	.435	.382	

NOTES ON SYMBOLS

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

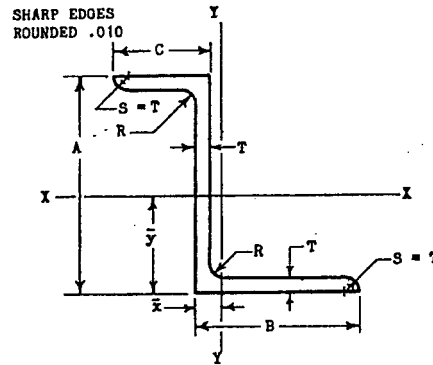
I_{xx} (AND I_{yy}) = MOMENT OF INERTIA ABOUT XX AND YY.

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 "AND10139-1101", "10139" INDICATES "ZEE-UNEQUAL LEG"; 11 INDICATES 1-1/8 INCH FOR DIMENSION "A" (1.125 IN COL. "A"); 01 IN 1101 IS SERIAL NUMBER ONLY.

MATERIAL SHALL BE IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS.

PART MARKING AND DOCUMENTATION MAY BE EITHER AMS 10139 OR AND10139.



AMS 10139 DASH NO'S	NOMINAL DIMENSIONS					AREA Square Inches	SECTION ELEMENTS							
	A	B	C	T	R		$\bar{y}$	$\bar{x}$	I_{xx}	I_{yy}	P_{xx}	P_{yy}		
	Inches						Inch		Inches ⁴		Inch			
-1201	1.250	.750	.500	.063	.125	.155	.565	.0906	.0360	.0089	.483	.240		
-1202			.078	.187		.564	.0983	.0407	.0097	.466	.228			
-1203			.063	.178		.546	.133	.0438	.0206	.496	.340			
-1204		.094	.256	.545		.150	.0594	.0284	.482	.333				
-1205		1.250	.750	.078		.245	.532	.189	.0610	.0476	.499	.436		
-1206	.094			.291	.532	.198	.0703	.0554	.492	.437				
-1301	1.375	1.000	.625	.063	.125	.186	.604	.129	.0547	.0207	.542	.334		
-1302			.078	.226		.604	.137	.0648	.0246	.536	.330			
-1303			.125	.391		.588	.208	.1085	.0693	.527	.421			
-1401		.750	.500	.063		.170	.684	.0853	.0556	.0089	.572	.229		
-1402			.078	.206		.683	.0928	.0657	.0105	.564	.226			
-1403	1.500	1.000	.625	.094	.125	.279	.661	.141	.0920	.0286	.574	.320		
-1404			.125	.359		.660	.157	.1133	.0351	.561	.313			
-1405			.094	.314		.645	.187	.1082	.0559	.587	.422			
-1601	1.750	.750	.500	.078	.125	.226	.803	.0881	.0956	.0106	.650	.216		
-1602			.094	.267		.802	.0953	.1104	.0122	.643	.213			
-1603			.078	.255		.779	.126	.1149	.0249	.671	.312			
-1604		1.250	.750	.094		.338	.760	.177	.1558	.0564	.679	.409		
-2001			.500	.063		.202	.924	.0768	.1112	.0090	.742	.211		
-2002	2.000	1.000	.625	.094	.125	.326	.897	.128	.1839	.0290	.751	.298		
-2003			.078	.304		.877	.160	.1833	.0487	.777	.400			
-2004			.094	.361		.876	.168	.2138	.0577	.769	.396			
-2005		1.500	.875	.125		.516	.858	.229	.3061	.1235	.771	.489		
-2201			1.000	.078		.304	1.060	.0916	.2233	.0306	.857	.318		
-2202	.750	.094		.361	1.060	.0996	.2607	.0342	.850	.308				
-2203		.078		.323	.994	.153	.2422	.0490	.865	.389				
-2204	2.250	1.250		.125	.125	.500	.992	.176	.3563	.0713	.844	.378		
-2401			.094	.373		1.212	.0705	.3207	.0266	.927	.267			
-2402			.094	.397		1.143	.124	.3508	.0450	.941	.337			
-2403		1.125	.125	.516		1.142	.140	.4426	.0559	.927	.329			
-2404			.094	.432		1.119	.162	.3989	.0816	.961	.435			
-2405	2.500	1.375	.875	.125	.125	.563	1.118	.178	.5063	.1020	.949	.426		
-3001			1.000	.750		.125	.563	1.420	.106	.6643	.0431	1.087	.277	
-3002				.875		.125	.625	1.356	.166	.7842	.1028	1.120	.406	
-3003		3.000	1.750	1.000		.156	.125	.845	1.303	.253	1.0797	.2408	1.131	.534

NOTES ON SYMBOLS

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

I_{xx} (AND I_{yy}) = MOMENT OF INERTIA ABOUT XX AND YY.

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

DASH NUMBER: IS DIE NUMBER AND INDICATES EACH SHAPE AND SIZE OF SECTION. EXAMPLE: IN "AND10139-2401", "10139" INDICATES "ZEE-UNEQUAL LEG"; 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.