

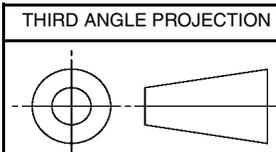
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**AMS SPECIFICATION**

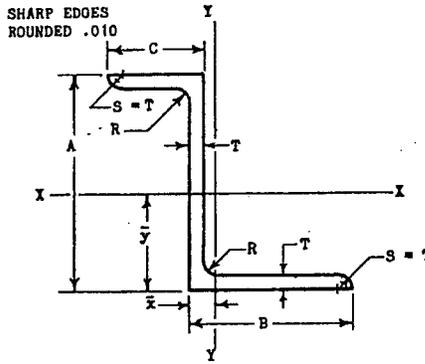
ZEE - UNEQUAL LEG EXTRUDED

**AMS 10139A**  
SHEET 1 OF 4

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

**AMS 10139A**

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AMS 10139 DASH NO'S	NOMINAL DIMENSIONS					AREA Square Inches	SECTION ELEMENTS						
	A	B	C	T	R		$\bar{y}$	$\bar{x}$	I <sub>xx</sub>	I <sub>yy</sub>	r <sub>xx</sub>	r <sub>yy</sub>	
	Inches					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	.375	.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	.375	.050	.094	.0852	.249	.111	.0051	.0056	.244	.256	
-0504				.063	.125	.107	.251	.115	.0061	.0058	.238	.251	
-0505	1.000	.750	.375	.063	.125	.117	.282	.121	.0095	.0245	.254	.409	
-0601	.750	.625	.375	.050	.094	.0852	.324	.0931	.0073	.0037	.293	.208	
-0602				.063	.125	.107	.325	.0984	.0088	.0044	.287	.203	
-0603		.750	.375	.050	.094	.0916	.303	.133	.0078	.0057	.292	.250	
-0604				.063	.125	.115	.305	.138	.0095	.0059	.287	.244	
-0605	1.000	.750	.375	.063	.125	.155	.340	.116	.0145	.0246	.306	.399	
-0701	.875	.625	.375	.063	.125	.115	.382	.0937	.0128	.0045	.334	.197	
-0702				.078	.155	.123	.360	.131	.0137	.0070	.334	.238	
-0703		.750	.375	.063	.125	.118	.359	.139	.0158	.0081	.327	.234	
-0704				.078	.155	.110	.367	.136	.0135	.0102	.350	.305	
-0705	.875	.875	.500	.063	.125	.139	.368	.111	.0164	.0124	.344	.299	
-0706				.078	.155	.167	.368	.119	.0191	.0116	.337	.296	
-0707		1.000	.750	.375	.063	.125	.163	.398	.112	.0207	.0217	.357	.390
-0708					.078	.155	.197	.398	.120	.0212	.0224	.351	.387
-1001	1.000	.625	.375	.050	.094	.0977	.439	.084	.0144	.0037	.384	.196	
-1002				.063	.125	.104	.414	.120	.0154	.0058	.385	.236	
-1003		.750	.375	.050	.094	.158	.415	.133	.0220	.0082	.374	.229	
-1004				.063	.125	.177	.421	.144	.0271	.0118	.385	.291	
-1005	.875	.875	.500	.063	.125	.209	.423	.152	.0299	.0169	.378	.285	
-1006				.078	.155	.155	.406	.175	.0232	.0171	.388	.332	
-1007		1.000	.750	.375	.063	.125	.187	.404	.184	.0277	.0203	.385	.330
-1101					.078	.155	.131	.499	.0862	.0235	.0045	.424	.186
-1102	1.125	.625	.375	.050	.094	.123	.480	.125	.0212	.0103	.444	.290	
-1103				.063	.125	.155	.481	.130	.0297	.0126	.438	.285	
-1104		.875	.500	.375	.063	.125	.187	.480	.138	.0348	.0148	.432	.282
-1105					.078	.155	.220	.480	.146	.0398	.0170	.425	.278
-1106	1.125	.625	.375	.063	.125	.178	.469	.178	.0358	.0268	.448	.388	
-1107				.078	.155	.216	.468	.187	.0422	.0320	.442	.385	
-1108		.875	.500	.375	.063	.125	.256	.468	.196	.0484	.0373	.435	.382
-1109					.078	.155	.256						

NOTES ON SYMBOLS

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

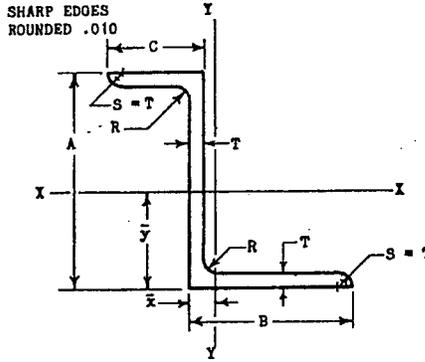
I<sub>xx</sub> (AND I<sub>yy</sub>) = MOMENT OF INERTIA ABOUT XX AND YY.

r<sub>xx</sub> (AND r<sub>yy</sub>) = 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 <sub>xx</sub>	I <sub>yy</sub>	r <sub>xx</sub>	r <sub>yy</sub>
	Inches						Inch	Inches <sup>4</sup>		Inch		
-1201		.750	.500	.063		.155	.565	.0906	.0360	.0089	.483	.240
-1202				.078		.187	.564	.0983	.0407	.0097	.466	.228
-1203	1.250	1.000	.625	.063	.125	.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	.0216	.536	.330
-1303		1.250	.750	.125		.391	.588	.208	.1085	.0693	.527	.421
-1401	1.500	.750	.500	.063	.125	.170	.684	.0853	.0556	.0089	.572	.229
-1402				.078		.206	.683	.0928	.0657	.0105	.564	.226
-1403		1.000	.625	.094		.279	.661	.141	.0920	.0286	.574	.320
-1404				.125		.359	.660	.157	.1133	.0351	.561	.313
-1405		1.250	.750	.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		1.000	.625	.078		.255	.779	.126	.1149	.0249	.671	.312
-1604				.094		.338	.760	.177	.1558	.0564	.679	.409
-2001	2.000	.750	.500	.063	.125	.202	.924	.0768	.1112	.0090	.742	.211
-2002				.094		.326	.897	.128	.1839	.0290	.751	.298
-2003		1.000	.625	.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	2.250	1.000	.750	.078	.125	.304	1.060	.0916	.2233	.0306	.857	.318
-2202				.094		.361	1.060	.0996	.2607	.0342	.850	.308
-2203		1.250	.875	.078		.323	.994	.153	.2422	.0490	.865	.389
-2204				.125		.500	.992	.176	.3563	.0713	.844	.378
-2401	2.500	.875	.750	.094	.125	.373	1.212	.0705	.3207	.0266	.927	.267
-2402				.125		.397	1.143	.124	.3508	.0450	.941	.337
-2403		1.125	.875	.125		.516	1.142	.140	.4426	.0559	.927	.329
-2404				.094		.432	1.119	.162	.3989	.0816	.961	.435
-2405		1.375	.875	.125		.563	1.118	.178	.5063	.1020	.949	.426
-3001	3.000	1.000	.750	.125	.125	.563	1.420	.106	.6643	.0431	1.087	.277
-3002				.125		.625	1.356	.166	.7842	.1028	1.120	.406
-3003		1.750	1.000	.156		.845	1.303	.253	1.0797	.2408	1.131	.534

NOTES ON SYMBOLS

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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.