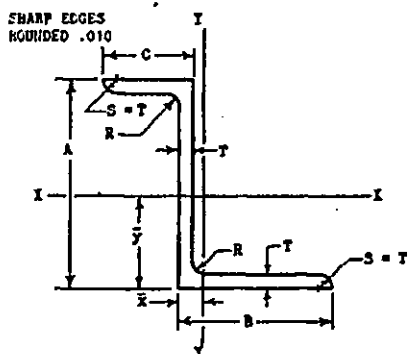


FED SUP CLASS
A.1.1

NOTES ON SYMBOLS



\bar{Y} (and \bar{X}) = LOCATED 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 "AND10139-1101", "10139" INDICATES "ZEE-UNEQUAL LEG", "11" INDICATES 1-1/8" FOR DIMENSION "A" (1.125 IN COL. "A"). "01" IN "1101" IS SERIAL NUMBER ONLY.

MATERIAL SHALL BE IN ACCORDANCE WITH APPLICABLE GOVERNMENT SPECIFICATIONS.

③ REINSTATE - 3 Mar 82

AND 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						Inches		Inches ⁴		Inches			
-0101	.500	.625	.375	.050	.094	.0727	.211	.105	.0027	.0037	.191	.227		
-0102				.061	.125	.0916	.212	.110	.0033	.0043	.189	.218		
-0103				.050	.094	.0790	.197	.150	.0030	.0055	.194	.264		
-0104	.625	.625	.375	.063	.125	.0925	.198	.154	.0035	.0067	.189	.259		
-0501				.050	.094	.0790	.267	.0985	.0047	.0037	.244	.215		
-0502				.063	.125	.0925	.268	.104	.0057	.0044	.239	.210		
-0503	.750	.625	.375	.050	.094	.0852	.219	.111	.0051	.0055	.244	.256		
-0504				.063	.125	.107	.251	.115	.0061	.0068	.238	.251		
-0505				1.000	.750	.063	.125	.187	.282	.121	.0095	.0215	.254	.109
-0601	.750	.625	.375	.050	.094	.0852	.324	.0931	.0073	.0037	.293	.208		
-0602				.063	.125	.107	.325	.0984	.0083	.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				1.000	.750	.063	.125	.155	.340	.116	.0115	.0216	.306	.399
-0701				.625	.063	.115	.382	.0917	.0123	.0045	.324	.197		
-0702	.875	.875	.500	.063	.125	.123	.350	.131	.0137	.0070	.334	.233		
-0703				.078	.148	.359	.139	.0153	.0031	.327	.234			
-0704				.050	.094	.110	.357	.136	.0135	.0102	.350	.305		
-0705	1.000	.875	.500	.063	.125	.139	.368	.141	.0164	.0124	.344	.259		
-0706				.078	.167	.368	.149	.0191	.0116	.337	.256			
-0707				1.000	.750	.063	.125	.163	.393	.112	.0207	.0217	.357	.390
-0708	1.000	.625	.375	.078	.197	.398	.120	.0212	.0294	.351	.187			
-1001				.050	.094	.0977	.439	.084	.0144	.0037	.344	.196		
-1002				.050	.094	.104	.411	.120	.0154	.0058	.385	.235		
-1003	1.125	.750	.375	.078	.158	.415	.133	.0220	.0082	.374	.229			
-1004				.078	.177	.421	.144	.0271	.0118	.385	.291			
-1005				.094	.209	.423	.152	.0299	.0169	.378	.285			
-1006	1.000	.500	.125	.061	.155	.405	.175	.0232	.0171	.388	.332			
-1007				.078	.187	.404	.184	.0277	.0203	.385	.330			
-1101				.625	.375	.063	.125	.131	.499	.0962	.0235	.0045	.424	.186
-1102	1.125	.875	.500	.050	.094	.123	.480	.125	.0212	.0103	.444	.250		
-1103				.063	.155	.481	.130	.0297	.0126	.433	.285			
-1104				.078	.187	.480	.138	.0218	.0118	.432	.282			
-1105	1.125	.625	.125	.078	.220	.480	.116	.0398	.0170	.425	.278			
-1106				.061	.178	.469	.178	.0358	.0268	.448	.389			
-1107				.078	.216	.468	.187	.0422	.0320	.442	.385			
-1108	.094	.256	.468	.156	.0484	.0373	.435	.392						

This standard is approved for use by the Department of the Air Force and is available for use by all Department and Agencies of the Department of Defense.

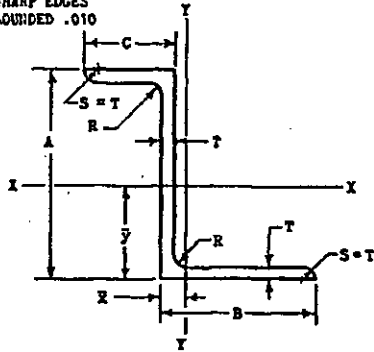
APPROVED 2 Apr 43 REVISED 1 21 Mar 45 ② 1 Sep 61 ③ 3 Mar 82

P. A. Air Force - 11 Other Cost NO INTEREST	INTERNATIONAL INTEREST	TITLE ZEE - UNEQUAL LEG EXTRUDED	ARMY-NAVY AERONAUTICAL DESIGN STANDARD
PROCUREMENT SPECIFICATION EQUC		SUPERSEDES	SHEET 1 OF 1

FED. SUP CLASS
9540

NOTES ON SYMBOLS

SHARP EDGES
ROUNDED .010



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

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

r_{xx} (and r_{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 2-1/8" FOR DIMENSION "A" (2.500 IN COL. "A"). 01 IN 2401 IS SERIAL NUMBER ONLY.

MATERIAL SHALL BE IN ACCORDANCE WITH APPLICABLE GOVERNMENT SPECIFICATIONS.

AID 10139 DASH NO'S	NOMINAL DIMENSIONS					AREA Square Inches	SECTION ELEMENTS					
	A	B	C	T	R		\bar{y}	\bar{x}	I_{xx}	I_{yy}	r_{xx}	r_{yy}
	Inches						Inch	Inches ⁴		Inch		
-1201	1.250	1.000	.625	.063	.125	.155	.565	.0906	.0360	.0089	.483	.210
-1202				.078		.187	.564	.0983	.0407	.0097	.466	.228
-1203				.061		.178	.546	.133	.0438	.0206	.496	.310
-1204				.094		.256	.545	.250	.0524	.0284	.482	.223
-1205				.078		.215	.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	.512	.334
-1302				.078		.226	.604	.137	.0648	.0246	.536	.330
-1303				.125		.391	.588	.208	.1095	.0593	.527	.421
-1304				.063		.170	.684	.0851	.0556	.0089	.572	.229
-1305				.078		.206	.683	.0928	.0657	.0105	.564	.226
-1401	1.500	1.000	.625	.094	.125	.279	.661	.141	.0920	.0286	.574	.320
-1402				.125		.359	.660	.157	.1133	.0351	.561	.313
-1403				.094		.279	.661	.141	.0920	.0286	.574	.320
-1404				.125		.359	.645	.187	.1082	.0559	.587	.422
-1405				.094		.279	.604	.137	.0648	.0246	.536	.330
-1601	1.750	1.000	.625	.078	.125	.226	.801	.0881	.0956	.0106	.650	.216
-1602				.094		.267	.801	.0953	.1104	.0122	.643	.213
-1603				.078		.226	.760	.177	.1558	.0564	.679	.409
-1604				.094		.338	.760	.177	.1558	.0564	.679	.409
-1605				.094		.338	.924	.0768	.1112	.0090	.742	.221
-2001	2.000	1.000	.625	.063	.125	.326	.897	.128	.1839	.0290	.751	.298
-2002				.078		.304	.877	.160	.1833	.0487	.777	.400
-2003				.094		.361	.876	.168	.2118	.0577	.769	.396
-2004				.125		.516	.858	.229	.3062	.1235	.772	.489
-2005				.094		.361	1.060	.0916	.2233	.0306	.857	.318
-2201	2.250	1.000	.750	.078	.125	.361	1.060	.0996	.2607	.0342	.850	.308
-2202				.125		.500	.994	.153	.2122	.0490	.865	.389
-2203				.078		.323	.994	.176	.3563	.0713	.844	.378
-2204				.125		.500	1.212	.0705	.3207	.0266	.927	.267
-2401				2.500		1.125	.750	.094	.125	.397	1.113	.124
-2402	.125	.516	1.112		.140			.4426		.0559	.927	.329
-2403	.094	.373	1.119		.162			.3989		.0816	.961	.435
-2404	.125	.563	1.118		.178			.5053		.1020	.949	.426
-2405	.094	.373	1.120		.106			.6613		.0431	1.087	.277
-3001	3.000	1.375	.875	.125	.125	.563	1.356	.166	.7842	.1028	1.120	.406
-3002				.125		.625	1.303	.253	1.0797	.2408	1.133	.534
-3003				.156		.845						

This standard is approved for use by the Department of the Air Force and is available for use by all Department and Agencies of the Department of Defense.

APPROVED 2 Apr 43 REVISED ① 21 Mar 45 ② 1 Sep 51 ③ 3 Mar 52

P. A. Air Force - 11 Other Cust NO INTEREST	INTERNATIONAL INTEREST	TITLE ZEE - UNEQUAL LEG EXTRUDED	ARMY-NAVY AERONAUTICAL DESIGN STANDARD
PROCUREMENT SPECIFICATION NOTE	SUPERSEDES:	SHEET 2 OF 2	
AND 10139			