

NOTES ON SYMBOLS

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: IS "10138-1001".
 "10138" INDICATES "ZEE-EQUAL LEG", 10 INDICATES 1.5" FOR DIMENSION "A" (1.000 IN COL. "A"). 01 IN 1001 IS SERIAL NUMBER ONLY.

MATERIAL SHALL BE IN ACCORDANCE WITH APPLICABLE GOVERNMENT SPECIFICATIONS.

AND 10138 DASH NO'S	NOMINAL DIMENSIONS				AREA	SECTION ELEMENTS			
	A	B	T	R		I_{xx}	I_{yy}	r_{xx}	r_{yy}
	Inches				Square Inches	Inches ⁴		Inches	
-0101	.500	.625	.050	.094	.0852	.0035	.0068	.203	.283
-0102		.625	.050	.125	.1073	.0042	.0082	.197	.277
-0103		.750	.050	.094	.0977	.0042	.0122	.206	.353
-0104		.750	.050	.125	.1231	.0049	.0148	.200	.346
-0501	.625	.625	.050	.094	.0916	.0060	.0069	.255	.274
-0502		.625	.050	.125	.115	.0071	.0083	.248	.268
-0503		.750	.050	.094	.104	.0070	.0122	.259	.342
-0504		.750	.050	.125	.131	.0084	.0148	.253	.336
-0505	.750	1.000	.050	.125	.163	.0109	.0367	.259	.475
-0601		.625	.050	.094	.0977	.0090	.0068	.304	.264
-0602		.625	.050	.125	.123	.0110	.0082	.298	.259
-0603		.750	.050	.094	.110	.0106	.0122	.310	.333
-0604	.875	.750	.050	.125	.139	.0128	.0148	.304	.326
-0605		1.000	.050	.125	.170	.0165	.0367	.312	.464
-0701		.625	.050	.094	.104	.0130	.0068	.353	.257
-0702		.625	.050	.125	.131	.0158	.0083	.347	.251
-0703	.750	.625	.050	.094	.117	.0157	.0122	.360	.323
-0704		.750	.050	.125	.147	.0184	.0148	.354	.317
-0705		.875	.078	.125	.177	.0214	.0175	.348	.314
-0706		.875	.050	.094	.129	.0172	.0197	.365	.391
-0707	.875	.625	.050	.125	.163	.0210	.0214	.359	.385
-0708		.750	.050	.125	.197	.0245	.0287	.353	.383
-0709		1.000	.050	.125	.178	.0236	.0367	.344	.454
-0710		.875	.078	.125	.216	.0276	.0439	.358	.454
-1001	1.000	.625	.050	.094	.110	.0176	.0068	.400	.249
-1002		.625	.050	.125	.139	.0216	.0083	.394	.244
-1003		.750	.050	.094	.123	.0205	.0121	.408	.315
-1004		.750	.050	.125	.155	.0251	.0147	.403	.308
-1005		.875	.078	.125	.187	.0294	.0175	.396	.307
-1006		.875	.050	.125	.170	.0285	.0212	.409	.377
-1007		.875	.078	.125	.208	.0335	.0287	.403	.373
-1008		.875	.094	.125	.244	.0383	.0332	.397	.359
-1009		1.000	.050	.125	.186	.0320	.0367	.415	.444
-1010		1.000	.078	.125	.226	.0377	.0439	.408	.441

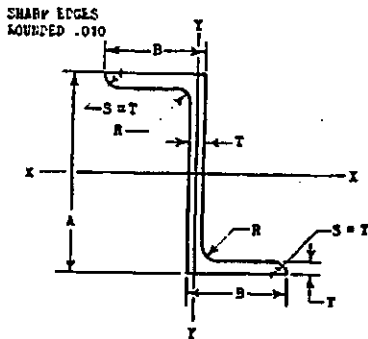
(2) REDRAWN

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.

P. A. Air Force - 11 Other Cust NO INTEREST	INTERNATIONAL INTEREST	TITLE ZEE - EQUAL LEG EXTRUDED	ARMY-NAVY AERONAUTICAL DESIGN STANDARD
AND 10138			SHEET 1 OF 1
PROCUREMENT SPECIFICATION NONE	SUPERSEDES	Project No. 9540-10138	

FED. SUP CLASS
Q,60

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 "AND10138-1401", "10138" INDICATES "ZEE-EQUAL LEG", 14 INDICATES 1-1/8" FOR DIMENSION "A" (1.500 IN COL. "A"). 01 IN 1401 IS SERIAL NUMBER ONLY.

MATERIAL SHALL BE IN ACCORDANCE WITH APPLICABLE GOVERNMENT SPECIFICATIONS.

A10 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	.147	.0285	.0083	.141	.237
-1102			.050	.094	.142	.0304	.0197	.164	.374
-1103			.063		.178	.0374	.0211	.158	.368
-1104			.078		.216	.0443	.0287	.152	.364
-1105		1.125	.094	.125	.256	.0507	.0332	.145	.361
-1106					.210	.0467	.0530	.172	.503
-1107					.255	.0548	.0637	.164	.500
-1108					.303	.0632	.0744	.157	.496
-1201	1.250	.750	.063	.170	.170	.0121	.0148	.497	.295
-1202			.078	.206	.0197	.0175	.491	.292	
-1203			.063	.202	.0532	.0366	.514	.420	
-1204			.094	.292	.0739	.0571	.507	.419	
-1205		1.250	.078	.125	.284	.0765	.0887	.519	.558
-1206					.338	.0886	.1039	.512	.555
-1301					.178	.0562	.0148	.543	.288
-1302					.210	.0662	.0367	.562	.418
-1303	1.375	1.000	.125	.255	.0794	.0439	.558	.415	
-1304				.303	.0911	.0511	.549	.411	
-1305				.294	.0951	.0687	.569	.519	
-1306				.452	.1365	.1308	.549	.521	
-1401		1.500	.750	.125	.226	.0765	.0175	.582	.278
-1402					.265	.0961	.0439	.602	.407
-1403					.314	.1116	.0511	.596	.403
-1404					.361	.1349	.1040	.511	.536
-1601	1.750		1.000	.125	.215	.1104	.0175	.573	.267
-1602					.284	.1377	.0439	.696	.393
-1603					.385	.1925	.1039	.707	.520
-3001					.218	.1272	.0148	.765	.261
-2002		2.000	1.000	.125	.361	.2194	.0511	.779	.376
-2003					.408	.2621	.1040	.801	.505
-2004					.594	.3852	.2345	.806	.629
-2101					.269	.2372	.0148	.934	.244
-2102	2.500		.875	.125	.323	.2690	.0285	.945	.298
-2103					.385	.3383	.0333	.938	.294
-2104					.408	.3723	.0512	.955	.354
-2105					.531	.4707	.0636	.941	.365

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 20 MAR 45 2 3 MAR 62

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