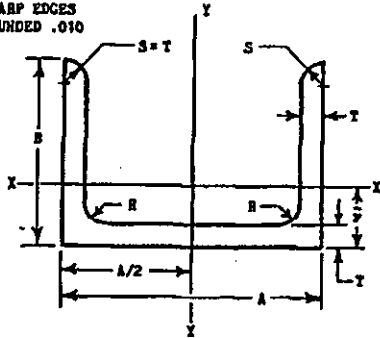


SHARP EDGES
ROUNDED .010



NOTES ON SYMBOLS

\bar{y} = 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 "AND10137-1101", "10137" INDICATES "CHANNEL", 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.

AND 10137 DASH NO'S	NOMINAL DIMENSIONS				AREA Square Inches	
	A	B	T	R		
	Inches					
-0601	.750	.775	.050	.094	.0727	
-0602		.500	.050		.0952	
-0603		.625	.050		.0977	
-0604		.625	.063		.123	
-0605		.875	.063		.125	.155
-0606		.875	.094		.125	.220
-0701		.775	.050		.094	.0790
-0702		.500	.050			.0916
-0703		.625	.063			.115
-0704		.625	.063			.131
-0705	.875	.078	.158			
-0706	.875	.050	.094	.117		
-0707	.750	.063	.125	.147		
-0708	.750	.078	.125	.177		
-0709	.750	.078	.125	.216		
-0710	1.000	.125	.125	.328		
-1001	1.000	.500	.063	.125	.123	
-1002		.750	.078		.148	
-1003		.625	.063		.139	
-1004		.625	.078		.169	
-1005		.750	.063		.155	
-1006		.750	.078		.187	
-1007		.750	.094		.220	
-1008		.875	.063		.170	
-1009		.875	.078		.206	
-1010		.875	.094		.244	
-1011	1.250	.778	.078	.125	.265	
-1012		.125	.125		.406	
-1101		.500	.063		.131	
-1102		.750	.078		.158	
-1103	1.125	.625	.063	.125	.147	
-1104		.625	.078		.177	

\bar{y}	SECTION ELEMENTS			
	I_{xx}	I_{yy}	p_{xx}	p_{yy}
	Inches			
	Inches ⁴			
	Inch			
.106	.0009	.0060	.111	.286
.153	.0020	.0075	.152	.396
.206	.0037	.0097	.195	.304
.207	.0045	.0109	.190	.399
.315	.0117	.0147	.275	.308
.327	.0159	.0193	.269	.296
.0925	.0009	.0037	.106	.332
.146	.0020	.0110	.148	.347
.148	.0025	.0132	.144	.339
.196	.0047	.0158	.190	.347
.201	.0055	.0163	.187	.361
.245	.0065	.0157	.237	.360
.247	.0079	.0184	.233	.354
.253	.0094	.0214	.230	.348
.362	.0213	.0276	.314	.359
.379	.0304	.0373	.304	.339
.140	.0026	.0181	.144	.394
.145	.0029	.0211	.141	.377
.187	.0049	.0216	.187	.394
.193	.0048	.0232	.186	.388
.229	.0033	.0250	.231	.402
.242	.0098	.0294	.229	.393
.248	.0113	.0335	.226	.390
.289	.0128	.0285	.275	.409
.294	.0152	.0335	.271	.403
.300	.0176	.0383	.269	.397
.460	.0417	.0460	.397	.437
.478	.0607	.0643	.397	.394
.436	.0027	.0241	.143	.429
.439	.0031	.0281	.140	.422
.478	.0051	.0285	.186	.441
.184	.0060	.0334	.184	.434

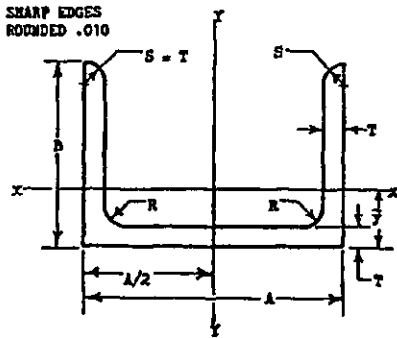
② REDRAWN

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.

APPROVED 2 APR 43 REVISED ① 21 MAR 45 ② 3 MAR 52

P. A. Air Force - 11 Other Cost NO INTEREST	INTERNATIONAL INTEREST	TITLE CHANNEL - EXTRUDED	ARMY-NAVY AERONAUTICAL DESIGN STANDARD
PROCUREMENT SPECIFICATION NONE		SUPERSEDES:	SHEET 1 OF 4
AND10137		Project No. 9540-0078	

NOTES ON SYMBOLS



" \bar{y} " = 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 "AND10137-1401", "10137" INDICATES "CHANNEL", 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.

AND 10137 DASH NO'S	NOMINAL DIMENSIONS				AREA Square Inches	SECTION ELEMENTS				
	A	B	T	R		\bar{y}	I_{xx}	I_{yy}	p_{xx}	p_{yy}
	Inches					Inch	Inches ⁴		Inch	
-1105			.078		.197	.232	.0102	.0348	.228	.444
-1106		.750	.094		.232	.237	.0117	.0444	.225	.438
-1107			.063		.181	.278	.0135	.0379	.274	.458
-1108			.078		.216	.283	.0158	.0441	.271	.452
-1109		.875	.094		.256	.289	.0187	.0507	.268	.445
-1110	1.125		.125	.125	.328	.298	.0225	.0616	.262	.433
-1111			.078		.236	.336	.0232	.0495	.314	.458
-1112		1.000	.094		.279	.341	.0269	.0569	.310	.452
-1113			.125		.359	.352	.0331	.0695	.303	.440
-1114			.094		.359	.508	.0661	.0757	.435	.466
-1115	1.375		.125		.453	.519	.0832	.0930	.428	.453
-1201		.625	.094		.220	.181	.0071	.0493	.179	.473
-1202			.094		.267	.278	.0190	.0650	.267	.493
-1203		.875	.125		.344	.288	.0234	.0796	.261	.481
-1204	1.250		.078	.125	.265	.377	.0334	.0698	.355	.513
-1205		1.125	.094		.314	.383	.0389	.0807	.352	.507
-1206			.125		.406	.393	.0434	.0994	.345	.495
-1207		1.500	.125		.500	.460	.1106	.1292	.470	.508
-1301		.625	.078		.197	.169	.0067	.0540	.179	.524
-1302			.094		.232	.175	.0073	.0621	.177	.517
-1303			.078		.236	.267	.0169	.0705	.268	.547
-1304		.875	.094		.279	.268	.0198	.0818	.266	.543
-1305	1.375		.125	.125	.359	.278	.0242	.1002	.259	.528
-1306			.094		.326	.374	.0403	.1010	.352	.557
-1307		1.125	.125		.422	.381	.0504	.1246	.346	.544
-1308			.156		.513	.390	.0391	.1451	.339	.532
-1309		1.625	.156		.668	.614	.1710	.2035	.506	.552
-1401		.625	.094		.244	.163	.0076	.0768	.177	.561
-1402			.125		.313	.178	.0090	.0939	.170	.548
-1403	1.50		.125	.125	.375	.269	.0249	.1236	.258	.574
-1404		.875	.156		.455	.278	.0289	.1485	.267	.572
-1405		1.125	.094		.338	.360	.0414	.1233	.350	.604

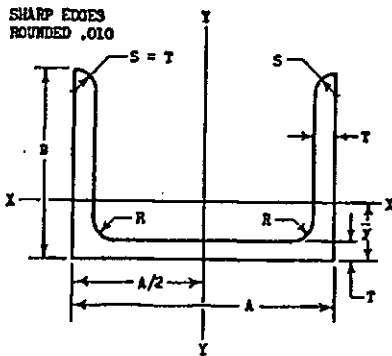
This standard is approved for use by the Department of the Air Force and is available for use by all Department and Agencies of the Department of Defense.

APPROVED 2 APR 43 REVISED 1 21 MAR 45 2 3 MAR 42

F. A. Air Force - 11 Other Cost NO INTEREST	INTERNATIONAL INTEREST	TITLE CHANNEL - EXTRUDED	ARMY-NAVY AERONAUTICAL DESIGN STANDARD
PROCUREMENT SPECIFICATION CODE		SUPERSEDES	SHEET 2 OF 4
AND 10137			

FED. SUP CLASS
9:40

NOTES ON SYMBOLS



"y" = 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. EXAMPLES: IN "AND10137-2401", "10137" INDICATES "CHANNEL", 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.

AND 10137 DASH NO'S	NOMINAL DIMENSIONS				AREA Square Inches	SECTION ELEMENTS				
	A	B	T	R		Y	I _{xx}	I _{yy}	ρ _{xx}	ρ _{yy}
	Inches					Inch	Inches ⁴			
-1406	1.500	1.125	.156	.125	.531	.379	.0610	.1791	.138	.580
-1407		1.750	.156	.125	.728	.654	.2176	.2675	.547	.606
-1601		.750	.078		.245	.194	.0317	.1104	.215	.671
-1602		.875	.125		.291	.199	.0435	.1280	.215	.664
-1603		.875	.125		.406	.253	.0262	.1793	.254	.664
-1604		1.000	.156	.125	.338	.290	.0311	.1603	.304	.689
-1605		1.000	.156		.533	.309	.0454	.2347	.292	.664
-1606		1.250	.156		.500	.400	.0740	.2113	.385	.695
-1607		1.250	.156		.611	.409	.0875	.2844	.379	.681
-1608		1.250	.188	.188	.728	.416	.1003	.3270	.371	.670
-1609		1.500	.125	.125	.563	.505	.1243	.2826	.470	.709
-1610		1.500	.156	.125	.689	.514	.1482	.3340	.464	.696
-1611		2.000	.188	.188	.822	.521	.1712	.3861	.456	.685
-1612		2.000	.188		1.01	.742	.3916	.5000	.623	.704
-2001		.750	.094		.314	.187	.0140	.1768	.213	.750
-2002		.750	.125		.406	.197	.0171	.2202	.205	.736
-2003		1.000	.125		.494	.207	.0198	.2583	.200	.721
-2004		1.000	.094		.361	.274	.0224	.2194	.300	.779
-2005		1.000	.125	.125	.469	.284	.0405	.2752	.254	.766
-2006		1.250	.156	.125	.572	.293	.0474	.3247	.288	.754
-2007		1.250	.125		.531	.380	.0774	.3302	.382	.788
-2008		1.250	.156		.650	.389	.0916	.3912	.376	.776
-2009		1.500	.125		.594	.482	.1302	.3852	.468	.866
-2010		1.500	.156		.728	.491	.1553	.4576	.462	.793
-2011		1.750	.156		.806	.598	.2410	.5241	.517	.807
-2012		1.750	.188	.188	.963	.604	.2802	.6071	.539	.794
-2013		2.500	.188		1.25	.939	.7720	.8394	.787	.821
-2201	2.250	1.000	.094	.125	.385	.261	.0136	.2898	.296	.868
-2202		1.000	.125		.500	.270	.0119	.3652	.250	.855
-2401	2.500	1.000	.094	.108	.408	.268	.0146	.3723	.291	.955
-2402		1.000	.125	.125	.531	.258	.0132	.4706	.285	.911
-2403		1.000	.156		.650	.268	.0508	.5596	.280	.928

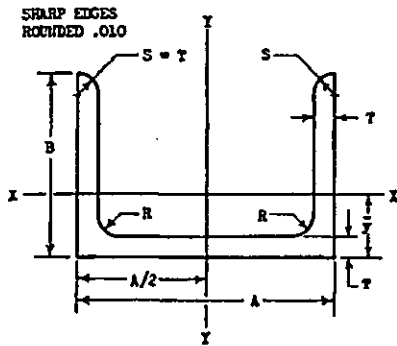
This standard is approved for use by the Department of the Air Force and is available for use by all Department and Agencies of the Department of Defense.

APPROVED 2 APR 53 REVISED 1 21 MAR 55 2 3 SEP 62

P. A. Air Force - 11 Other Cost NO INTEREST	INTERNATIONAL INTEREST	TITLE CHANNEL - EXTRUDED	ARMY-NAVY AERONAUTICAL DESIGN STANDARD
SUPERSEDES.			AND 10137
SHEET 3			OF 4

FED. SUP CLASS
9540

NOTES ON SYMBOLS



"y" = 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 "AND10137-2404", "10137" INDICATES "CHANNEL", 24 INDICATES 2-4/8" FOR DIMENSION "A" (2.500 IN COL. "A"). 04 IN 2404 IS SERIAL NUMBER ONLY.

MATERIAL SHALL BE IN ACCORDANCE WITH APPLICABLE GOVERNMENT SPECIFICATIONS.

AID 10137 DASH NO'S	NOMINAL DIMENSIONS				AREA Square Inches	SECTION ELEMENTS				
	A	B	T	R		y	I_{xx}	I_{yy}	ρ_{xx}	ρ_{yy}
	Inches					Inch	Inches ⁴		Inch	
-2104	2.500	1.375	.125	.125	.625	.394	.1093	.6030	.418	.982
-2105			.156	.125	.767	.403	.1302	.7206	.412	.970
-2106			.188	.188	.916	.411	.1500	.8398	.405	.957
-2107			.156	.125	.884	.552	.2605	.8935	.513	1.006
-2108			.188	.188	1.06	.559	.3029	1.027	.535	.986
-2601	2.750	1.000	.125	.125	.563	.247	.0444	.5931	.281	1.03
-2602			.156	.125	.689	.257	.0522	.7069	.275	1.01
-3001	3.000	1.375	.156	.125	.815	.373	.1378	1.113	.404	1.15
-3002			.188	.188	1.01	.381	.1585	1.303	.396	1.14
-3003			.156	.125	.962	.514	.2767	1.349	.536	1.19
-3004			.188	.188	1.15	.521	.3217	1.582	.529	1.17

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 83 REVISED 1 21 MAR 85 2 3 MAR 82

P. A. Air Force - 11 Other Cost	INTERNATIONAL INTEREST	TITLE CHANNEL - EXTRUDED	ARMY-NAVY AERONAUTICAL DESIGN STANDARD
NO INTEREST			AND 10137
PROCUREMENT SPECIFICATION NOTE	SUPERSEDES		SHEET 1 OF 1