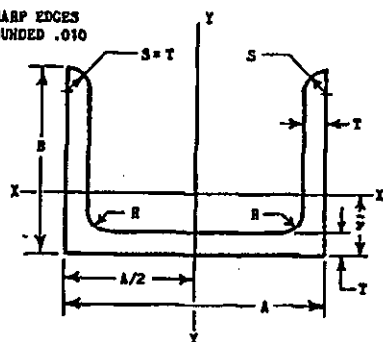


FED. SUP CLASS
9540SHARP EDGES
ROUNDED .010

NOTES ON SYMBOLS

"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 Squares Inches	
	A	B	T	R		
	Inches					
-0601	.750	.375	.050	.094	.0727	
-0602		.500	.050		.0852	
-0603			.050		.0977	
-0604		.625	.063	.123		
-0605		.875	.063	.125	.155	
-0606			.094		.220	
-0701	.875	.375	.050	.094	.0790	
-0702		.500	.050		.0916	
-0703			.063		.115	
-0704		.625	.063	.125	.131	
-0705			.078		.158	
-0706		.875	.050	.094	.117	
-0707		.750	.063	.125	.147	
-0708			.078		.177	
-0709			.078		.216	
-0710		1.000	.125		.328	
-1001		1.000	.500	.063		.123
-1002				.078		.148
-1003	.625		.063	.139		
-1004			.078		.169	
-1005			.063	.125	.155	
-1006	.750		.078		.187	
-1007			.094		.220	
-1008			.063		.170	
-1009			.078		.206	
-1010	.875		.094		.244	
-1011	1.250		.078		.265	
-1012			.125		.406	
-1101	1.125	.500	.063	.125	.131	
-1102			.078		.158	
-1103			.063		.147	
-1104		.625	.078		.177	

SECTION ELEMENTS				
Y	I _{xx}	I _{yy}	p _{xx}	p _{yy}
Inch	Inches ⁴		Inch	
.106	.0009	.0060	.111	.286
.153	.0020	.0075	.132	.396
.206	.0037	.0099	.195	.304
.207	.0045	.0109	.190	.399
.315	.0117	.0147	.275	.308
.327	.0159	.0193	.269	.296
.0995	.0009	.0037	.106	.132
.146	.0020	.0110	.143	.347
.148	.0025	.0132	.144	.339
.196	.0047	.0158	.190	.347
.201	.0055	.0163	.187	.361
.245	.0065	.0151	.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	.0039	.0211	.161	.377
.187	.0049	.0216	.187	.394
.191	.0049	.0212	.186	.383
.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.

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

DD FORM 672-1 (LIMITED COORDINATION)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Project No. 9540-0078

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

FED. SUP CLASS
9540

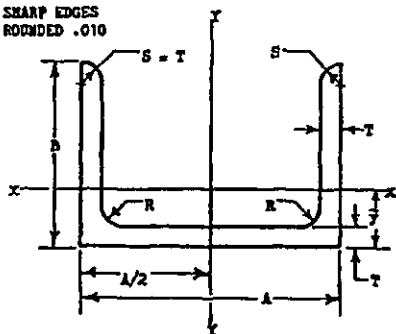
NOTES ON SYMBOLS

"Y" = LOCATING DIMENSIONS FOR AXIS XX-YY.

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

SHARP EDGES
ROUNDED .010

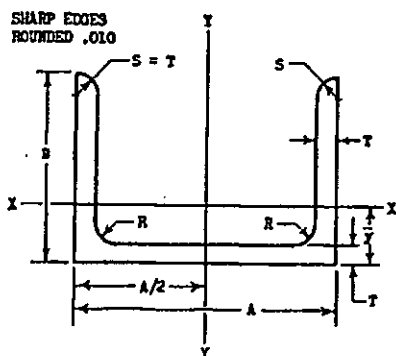
AND 10137 DASH NO'S	NOMINAL DIMENSIONS				AREA Square Inches	SECTION ELEMENTS						
	A	B	T	R		\bar{Y}	I_{xx}	I_{yy}	P_{xx}	P_{yy}		
	Inches					Inch	Inches ⁴		Inch			
-1105	1.125	.750	.078	.125	.197	.232	.0102	.0348	.228	.444		
-1106			.094		.232	.0117	.0444	.225	.438			
-1107			.063		.181	.0135	.0379	.274	.458			
-1108			.078		.216	.0158	.0441	.271	.452			
-1109			.094		.256	.0187	.0507	.268	.445			
-1110		.125	.328		.0225	.0616	.262	.433				
-1111		1.000	.078		.236	.0232	.0495	.314	.458			
-1112			.094		.279	.0269	.0569	.310	.452			
-1113			.125		.359	.0331	.0695	.303	.440			
-1114			.094		.350	.0661	.0757	.435	.466			
-1115	.125		.453	.0832	.0930	.428	.453					
-1201	1.250	.625	.094	.125	.220	.181	.0071	.0493	.179	.473		
-1202		.094	.267		.0190	.0650	.267	.493				
-1203		.875	.125		.344	.288	.0234	.0796	.261	.481		
-1204		.078	.265		.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	.560	.1106	.1292	.470	.508		
-1301		1.375	.625		.078	.125	.197	.169	.0367	.0540	.174	.524
-1302			.094		.232		.0073	.0621	.177	.517		
-1303			.078		.236		.0169	.0705	.268	.547		
-1304	.875		.094	.279	.268		.0198	.0818	.266	.543		
-1305	.125		.359	.278	.0242		.1002	.259	.528			
-1306	.094		.326	.371	.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	1.50		.625	.094	.125		.244	.163	.0076	.0768	.177	.561
-1402		.125	.313	.178		.0090	.0939	.170	.548			
-1403		.875	.125	.375		.269	.0249	.1236	.258	.574		
-1404		.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.

P. A. Air Force - 11 Other Civil NO INTEREST	INTERNATIONAL INTEREST	TITLE CHANNEL - EXTRUDED	ARMY-NAVY AERONAUTICAL DESIGN STANDARD
PROCUREMENT SPECIFICATION NONE		SUPERSEDES	SHEET 2 OF 4

FED. SUP CLASS
940

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 "AND10137-2401", "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		Inch	
-1406	1.500	1.125	.156	.125	.531	.379	.0610	.1791	.138	.580
-1407		1.750	.156		.728	.654	.2176	.2675	.547	.606
-1601		.750	.078		.245	.194	.0117	.1104	.215	.671
-1602			.094		.291	.199	.0135	.1280	.215	.664
-1603			.125		.406	.253	.0262	.1793	.254	.664
-1604	1.000		.094	.338	.290	.0311	.1603	.304	.689	
-1605			.156	.533	.309	.0454	.2347	.292	.664	
-1606		.125	.500	.400	.0710	.2113	.385	.695		
-1607		1.250	.156	.611	.409	.0875	.2844	.379	.681	
-1608			.188	.728	.416	.1003	.3270	.371	.670	
-1609	.125		.563	.505	.1213	.2826	.470	.709		
-1610	1.500		.156	.689	.514	.1482	.3340	.464	.696	
-1611			.188	.822	.521	.1712	.3561	.455	.685	
-1612		2.000	.188	1.01	.742	.3916	.5000	.623	.704	
-2001			.750	.094	.314	.187	.0140	.1768	.213	.750
-2002				.125	.406	.197	.0171	.2202	.205	.736
-2003	.156			.494	.207	.0198	.2583	.200	.721	
-2004	.094			.361	.274	.0324	.2194	.300	.779	
-2005	1.000	.125		.469	.284	.0405	.2752	.254	.766	
-2006		.156	.572	.293	.0474	.3247	.288	.754		
-2007		1.250	.125	.531	.380	.0774	.3302	.382	.788	
-2008			.156	.650	.389	.0916	.3912	.376	.776	
-2009			.125	.594	.482	.1302	.3852	.468	.806	
-2010	1.500		.156	.728	.491	.1553	.4576	.462	.793	
-2011			.156	.806	.598	.2410	.5241	.517	.807	
-2012		1.750	.188	.963	.604	.2802	.6071	.539	.794	
-2013			2.500	.188	1.25	.939	.7720	.8394	.787	.821
-2201				1.000	.094	.385	.261	.0135	.2893	.296
-2202	.125				.500	.270	.0119	.3652	.250	.855
-2401	.094				.108	.608	.268	.0346	.3723	.291
-2402		2.500			1.000	.531	.258	.0132	.4706	.285
-2403			.156		.650	.268	.0503	.5596	.280	.923

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 Cost NO INTEREST	INTERNATIONAL INTEREST	TITLE CHANNEL - EXTRUDED	ARMY-NAVY AERONAUTICAL DESIGN STANDARD
SHEET 3 OF 4			AND10137

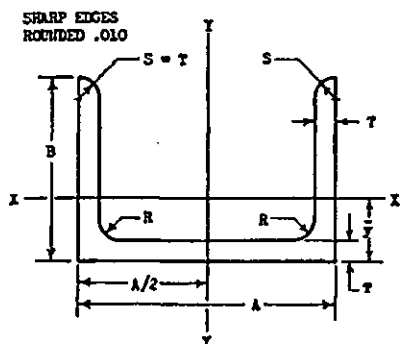
FED. SUP CLASS
9540

NOTES ON SYMBOLS

 \bar{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		\bar{y}	I_{xx}	I_{yy}	ρ_{xx}	ρ_{yy}
	Inches					Inch	Inches ⁴		Inch	
-2404	2.500	1.375	.125	.125	.625	.394	.1093	.6030	.418	.982
-2405			.156	.125	.767	.403	.1302	.7206	.412	.970
-2406		1.750	.188	.188	.916	.411	.1500	.8398	.405	.957
-2407			.156	.125	.884	.552	.2605	.8935	.543	1.006
-2408	2.750	1.750	.188	.188	1.06	.559	.3029	1.027	.535	.986
-2601			.125	.125	.563	.247	.0444	.5911	.281	1.03
-2602		1.000	.156	.125	.689	.257	.0522	.7069	.275	1.01
-3001			.188	.188	1.01	.373	.1378	1.113	.404	1.15
-3002	3.000	1.375	.156	.125	.845	.381	.1585	1.303	.396	1.14
-3003			.188	.188	.962	.514	.2767	1.349	.536	1.19
-3004		1.750	.156	.125	.962	.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
EO INTEREST			AND 10137
PROCUREMENT SPECIFICATION NOTE	SUPERSEDES	SHEET 1 OF 1	