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AMS 10137

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AMS SPECIFICATION

CHANNEL - EXTRUDED

AMS 10137
SHEET 1 OF 5

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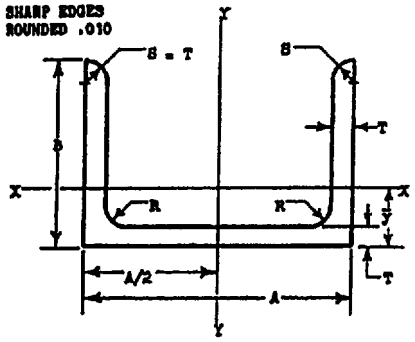


AMS 10137 DASH NO'S	NOMINAL DIMENSIONS A	B	T	R	AREA Square Inches
	Inches				
-0601	.750	.375	.050	.094	.0727
-0602		.500	.050		.0852
-0603		.625	.050		.0977
-0604			.063	.125	.123
-0605		.875	.063		.155
-0606			.094		.220
-0701	.875	.375	.050	.094	.0790
-0702		.500	.050		.0916
-0703			.063		.115
-0704		.625	.063	.125	.131
-0705			.078		.158
-0706		.750	.050	.094	.117
-0707			.063		.147
-0708			.078	.125	.177
-0709		1.000	.078		.216
-0710			.125		.328
-1001	1.000	.500	.063	.125	.123
-1002			.078		.148
-1003		.625	.063		.139
-1004			.078		.168
-1005		.750	.063		.155
-1006			.078		.187
-1007			.094		.220
-1008		.875	.063		.170
-1009			.078		.206
-1010			.094		.244
-1011		1.250	.078		.265
-1012			.125		.406
-1101	1.125	.500	.063	.125	.131
-1102			.078		.158
-1103		.625	.063		.147
-1104			.078		.177

SECTION ELEMENTS $\bar{y}$	Ixx	Iyy	ρxx	ρyy
Inch	Inches^4		Inch	
.106	.0009	.0060	.111	.286
.153	.0020	.0075	.152	.296
.204	.0037	.0090	.193	.304
.207	.0045	.0109	.190	.298
.315	.0117	.0147	.275	.308
.327	.0159	.0193	.269	.296
.0995	.0009	.0087	.106	.332
.146	.0020	.0110	.148	.347
.148	.0025	.0132	.144	.339
.196	.0047	.0158	.190	.347
.201	.0055	.0183	.187	.341
.245	.0065	.0151	.237	.360
.247	.0079	.0184	.233	.356
.253	.0094	.0214	.230	.348
.362	.0213	.0276	.314	.358
.379	.0304	.0378	.304	.339
.140	.0026	.0181	.144	.386
.145	.0029	.0211	.141	.377
.187	.0049	.0216	.187	.394
.193	.0058	.0252	.186	.388
.229	.0083	.0250	.231	.402
.242	.0098	.0294	.229	.393
.248	.0113	.0335	.226	.390
.289	.0128	.0285	.275	.409
.296	.0152	.0335	.271	.403
.300	.0176	.0383	.269	.397
.460	.0417	.0460	.397	.417
.478	.0607	.0643	.387	.398
.136	.0027	.0241	.143	.429
.139	.0031	.0281	.140	.422
.178	.0051	.0285	.186	.441
.184	.0060	.0334	.184	.434

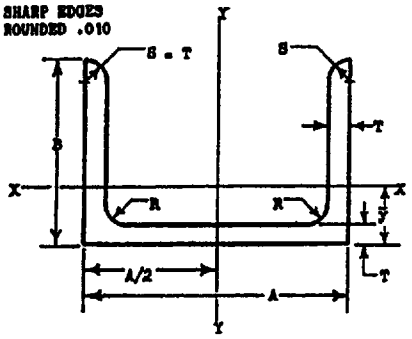
NOTES ON SYMBOLS

"Y" = LOCATING DIMENSIONS FOR AXIS XX-YY.
Ixx (AND Iyy) = MOMENT OF INERTIA ABOUT XX AND YY.

ρxx (AND ρyy) = 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 INCH FOR DIMENSION "A" (1.125 IN COL. "A"); 01 IN 1101 IS SERIAL NUMBER ONLY.

MATERIAL SHALL BE IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS.



AMS 10137 DASH NO'S	NOMINAL DIMENSIONS A	B	T	R	AREA Square Inches
	Inches				
-1105	1.125	.750	.078	.125	.197
-1106			.094		.232
-1107		.875	.063		.181
-1108			.078		.216
-1109			.094		.256
-1110			.125		.328
-1111		1.000	.078		.236
-1112			.094		.279
-1113			.125		.359
-1114		1.375	.094		.350
-1115			.125		.453
-1201	1.250	.625	.094	.125	.220
-1202		.875	.094		.267
-1203			.125		.344
-1204		1.125	.078		.265
-1205			.094		.314
-1206			.125		.406
-1207		1.500	.125		.500
-1301	1.375	.625	.078	.125	.197
-1302			.094		.232
-1303		.875	.078		.236
-1304			.094		.279
-1305			.125		.359
-1306		1.125	.094		.326
-1307			.125		.422
-1308			.156		.513
-1309		1.625	.156		.668
-1401	1.50	.625	.094	.125	.244
-1402			.125		.313
-1403		.875	.125		.375
-1404			.156		.455
-1405		1.125	.094		.338

AMS 10137 DASH NO'S	SECTION ELEMENTS $\bar{Y}$	Ixx	Iyy	ρ_{xx}	ρ_{yy}
	Inch	Inches^4		Inch	
-1105	.232	.0102	.0388	.228	.444
-1106	.237	.0117	.0444	.225	.438
-1107	.278	.0135	.0379	.274	.458
-1108	.283	.0158	.0441	.271	.452
-1109	.289	.0183	.0507	.268	.445
-1110	.298	.0225	.0616	.262	.433
-1111	.336	.0232	.0495	.314	.458
-1112	.341	.0269	.0569	.310	.452
-1113	.352	.0331	.0695	.303	.440
-1114	.508	.0661	.0757	.435	.466
-1115	.519	.0832	.0930	.428	.453
-1201	.181	.0071	.0493	.179	.473
-1202	.278	.0190	.0650	.267	.493
-1203	.288	.0234	.0796	.261	.481
-1204	.377	.0334	.0698	.355	.513
-1205	.383	.0389	.0807	.352	.507
-1206	.393	.0484	.0994	.345	.495
-1207	.460	.1106	.1292	.470	.508
-1301	.169	.0063	.0540	.179	.524
-1302	.175	.0073	.0621	.177	.517
-1303	.263	.0169	.0705	.268	.547
-1304	.268	.0198	.0818	.266	.543
-1305	.278	.0242	.1002	.259	.528
-1306	.371	.0403	.1010	.352	.557
-1307	.381	.0504	.1246	.346	.544
-1308	.390	.0591	.1451	.339	.532
-1309	.612	.1710	.2035	.506	.552
-1401	.168	.0076	.0768	.177	.561
-1402	.178	.0090	.0939	.170	.548
-1403	.269	.0249	.1236	.258	.574
-1404	.278	.0289	.1485	.267	.572
-1405	.360	.0614	.1233	.350	.606

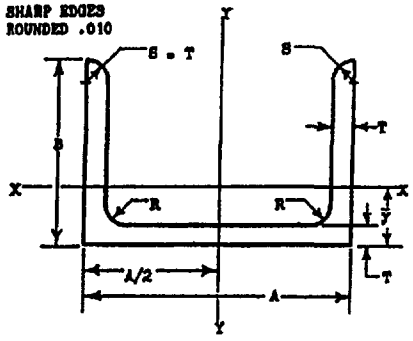
NOTES ON SYMBOLS

"$\bar{Y}$" = LOCATING DIMENSIONS FOR AXIS XX-YY.
Ixx (AND Iyy) = MOMENT OF INERTIA ABOUT XX AND YY.

ρxx (AND ρyy) = 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 1-4/8 INCH FOR DIMENSION "A" (1.500 IN COL. "A"); 01 IN 1401 IS SERIAL NUMBER ONLY.

MATERIAL SHALL BE IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS.



AMS 10137 DASH NO'S	NOMINAL DIMENSIONS				AREA	SECTION ELEMENTS				
	A	B	T	R		$\bar{Y}$	Ixx	Iyy	ρxx	ρyy
	Inches				Square Inches	Inch	Inches^4		Inch	
-1606	1.500	1.125	.156	.125	.533	.379	.0610	.1791	.338	.580
-1607		1.750	.156		.728	.654	.2176	.2675	.547	.606
-1601	1.750	.750	.078	.125	.245	.194	.0117	.1104	.218	.671
-1602			.094		.291	.199	.0135	.1280	.215	.664
-1603		.875	.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		1.250	.125		.500	.400	.0740	.2413	.385	.695
-1607			.156		.611	.409	.0875	.2844	.379	.683
-1608			.188	.188	.728	.416	.1003	.3270	.371	.670
-1609		1.500	.125	.125	.563	.505	.1243	.2826	.470	.709
-1610			.156		.689	.514	.1482	.3340	.464	.696
-1611			.188	.188	.822	.521	.1712	.3861	.456	.685
-1612		2.000	.188		1.01	.742	.3916	.5000	.623	.704
-2001	2.000	.750	.094	.125	.344	.187	.0140	.1768	.213	.750
-2002			.125		.406	.197	.0171	.2202	.205	.736
-2003			.156		.494	.207	.0198	.2583	.200	.723
-2004		1.000	.094		.361	.274	.0324	.2194	.300	.779
-2005			.125		.469	.284	.0405	.2752	.294	.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		1.500	.125		.594	.482	.1302	.3852	.468	.806
-2010			.156		.728	.491	.1553	.4576	.462	.793
-2011		1.750	.156		.806	.598	.2410	.5241	.547	.807
-2012			.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	.0336	.2898	.296	.868
-2202			.125		.500	.270	.0419	.3652	.290	.855
-2401	2.500	1.000	.094	.125	.408	.248	.0346	.3723	.291	.955
-2402			.125		.531	.258	.0432	.4706	.285	.941
-2403			.156		.650	.268	.0508	.5596	.280	.928

NOTES ON SYMBOLS

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Ixx (AND Iyy) = MOMENT OF INERTIA ABOUT XX AND YY.

ρxx (AND ρyy) = 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 2-4/8 INCH FOR DIMENSION "A" (2.500 IN COL. "A"); 01 IN 2401 IS SERIAL NUMBER ONLY.

MATERIAL SHALL BE IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS.