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AMS 10140A

FEDERAL SUPPLY CLASS
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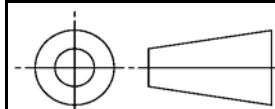
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THIRD ANGLE PROJECTION



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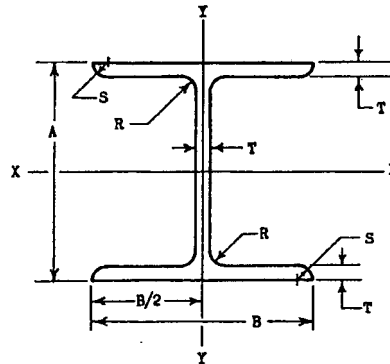
SAE Aerospace
An SAE International Group

AMS SPECIFICATION

I - SECTION - EXTRUDED

AMS 10140A
SHEET 1 OF 3

ISSUED 1998-02 REVISED 1998-12 REAFFIRMED 2005-10

SHARP EDGES
ROUNDED .010

AMS 10140 DASH NO'S	NOMINAL DIMENSIONS				AREA Square Inches	SECTION ELEMENTS			
	A	B	T	R		Ixx	Iyy	Pxx	Pyy
	Inches					Inches ⁴		Inches	
-0601	.750	1.250	.063	.125	.207	.0206	.0193	.316	.306
-0602			.078		.250	.0239	.0235	.310	.307
-0603		1.500	.078		.289	.0284	.0411	.311	.378
-0701	.875	1.375	.078	.125	.279	.0373	.0315	.366	.336
-0702			.094		.329	.0425	.0375	.359	.338
-0703		1.625	.094		.376	.0497	.0626	.364	.408
-1001	1.000	1.375	.094	.125	.341	.0580	.0375	.413	.332
-1002		1.625	.094		.388	.0676	.0626	.418	.402
-1003		1.750	.094		.411	.0725	.0786	.420	.437
-1201	1.250	1.375	.094	.125	.364	.0970	.0375	.516	.321
-1202		1.625	.094		.411	.1128	.0626	.524	.390
-1203		1.875	.094		.458	.1285	.0971	.530	.460
-1204	1.500	2.125	.094	.125	.505	.1442	.1423	.534	.531
-1401		1.500	.094		.411	.1591	.0490	.622	.345
-1402		1.750	.125		.594	.2268	.1023	.618	.415
-1403		2.000	.125		.656	.2564	.1543	.625	.485
-1404	2.000	2.500	.125	.125	.781	.3156	.3058	.636	.626
-2001		2.000	.094		.552	.3922	.1183	.843	.463
-2002	2.500		.125	.156	.719	.4946	.1544	.830	.464
-2401		2.000	.094		.607	.6571	.1184	1.04	.442
-2402		2.000	.125		.789	.8315	.1546	1.03	.443
-3001	3.000	2.000	.094	.156	.654	.9923	.1184	1.23	.426
-3002			.125		.851	1.262	.1547	1.22	.426
-4001	4.000	1.500	.078	.125	.542	1.298	.0413	1.55	.275
-4002		2.000	.094		.740	1.888	.1184	1.60	.400
-4003			.125		.969	2.424	.1547	1.58	.400
-4004	4.000	3.000	.156	.188	1.52	4.136	.6586	1.65	.658
-4005		3.500	.188		2.00	5.521	1.258	1.66	.794
-4006			.250		2.60	6.968	1.638	1.64	.794
-4007		4.000	.313	.250	3.53	9.415	3.037	1.63	.928

NOTES ON SYMBOLS

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 "AND10140-1401" "10140" INDICATES "I-SECTION"; 14 INDICATES 1-4/8 INCH FOR DIMENSION "A" (1.500 IN COL. "A"); 01 IN 1401 IS SERIAL NUMBER ONLY.

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