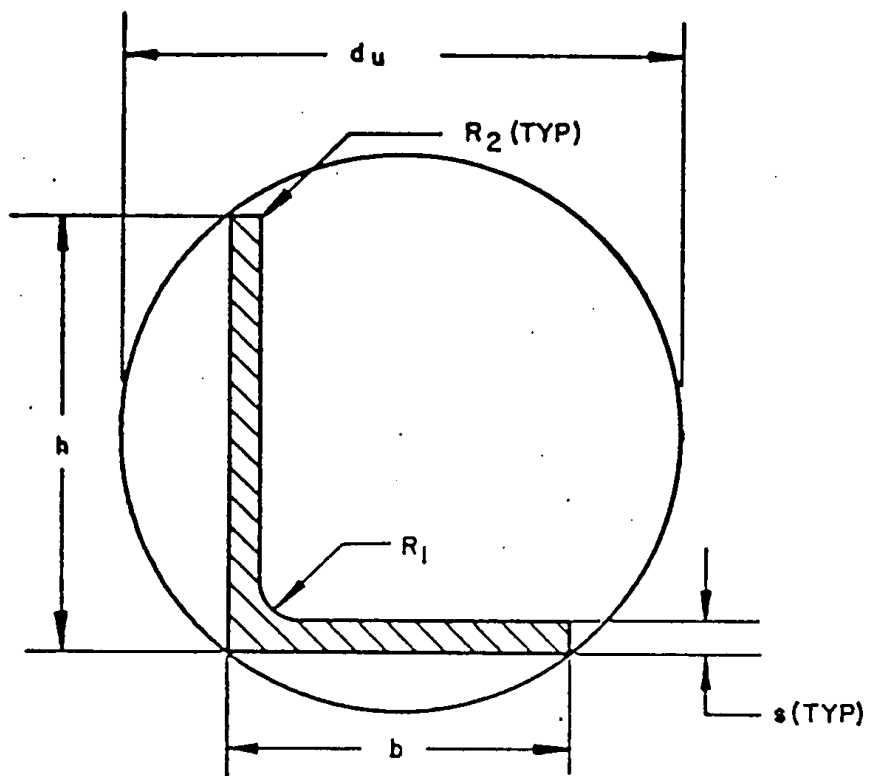


Finish: None

General tolerances: Per FED-STD-245

Dimension					Section	Linear mass
mm					cm <sup>2</sup>	kg/m
h	b	s	d	d <sub>y</sub>		
16	16	1,2	3,5	22	0,44	0,12
		1,6	5	22	0,62	0,17
20	16	1,2	3,5	24,5	0,48	0,14
		1,6	5	24,5	0,69	0,19
25	16	1,6	5	28,5	0,77	0,21
	20	2	6	31	1,06	0,30
32	20	2	6	36,5	1,20	0,34
	25	2,5	7,5	39	1,67	0,47
40	25	2,5	7,5	45,5	1,87	0,52
		3,2	9	45	2,42	0,68
50	32	3,2	9	57,5	2,97	0,83
		4	12	57	3,91	1,1
63	40	4	12	72	4,75	1,3
		5	15	71,5	6,14	1,7



$$R_1 = s$$

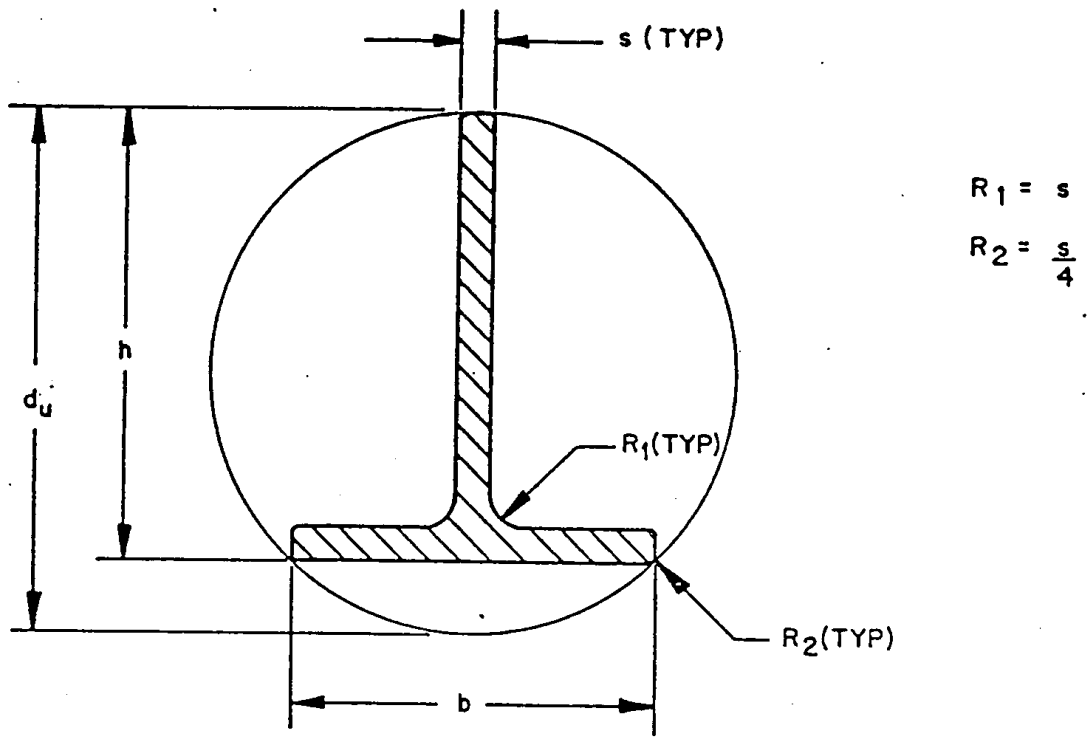
$$R_2 = \frac{s}{4}$$

Finish: NONE

General tolerances: Per FED-STD-245

Dimension				Section cm <sup>2</sup>	Linear mass kg/m	
mm						
h	b	s	d <sub>u</sub>			
16	16	1,2	22	0,37	0,10	
		1,6	22	0,49	0,14	
		2	22	0,61	0,17	
20	16	1,2	25	0,42	0,12	
		1,6	25	0,55	0,16	
		2	25	0,69	0,19	
	20	1,6	28	0,62	0,17	
		2	28	0,77	0,21	
		2,5	28	0,95	0,27	
22,2	22,2	1,6	31,4	0,69	0,19	
25	16	1,6	30	0,64	0,18	
		2	30	0,79	0,22	
		2,5	30	0,98	0,27	
	20	2	32	0,87	0,24	
		2,5	32	1,07	0,30	
	25	2	35	0,97	0,27	
		2,5	35	1,20	0,34	
		3,2	35	1,52	0,42	
	32	20	2	37,5	1,01	0,28
2,5			37,5	1,25	0,35	
3,2			37,5	1,58	0,44	
25		2	40	1,11	0,31	
		2,5	40	1,38	0,38	
		3,2	40	1,74	0,49	
32		2,5	45	1,55	0,43	
		3,2	45	1,97	0,55	
40		20	2	45	1,17	0,33
	2,5		45	1,45	0,41	
	3,2		45	1,84	0,48	
	25	2,5	47	1,57	0,44	
		3,2	47	2,00	0,56	
		4	47	2,47	0,69	
	32	3,2	51	2,22	0,62	
		4	51	2,75	0,77	
	40	3,2	56	2,48	0,69	
		4	56	3,07	0,86	
	42	40	3	58	2,39	0,66

Dimension mm				Section cm <sup>2</sup>	Linear mass kg/m
h	b	s	d <sub>u</sub>		
50	25	3,2	55,5	2,32	0,65
		4	55,5	2,87	0,80
	32	3,2	59	2,54	0,71
		4	59	3,15	0,86
	40	3,2	64	2,80	0,78
		4	64	3,47	0,97
50	50	4	70,5	3,87	1,1
		5	70,5	4,79	1,3
55	55	6,5	77,8	6,74	1,87
63	32	3,2	71	2,96	0,83
		4	71	3,67	1,0
		5	71	4,54	1,3
	40	4	75	3,99	1,1
		5	75	4,94	1,4
	50	4	80	4,39	1,2
		5	80	5,44	1,5
		6,3	80	6,79	1,9
	63	63	5	89	6,09
6,3			89	7,63	2,1
80	40	4	89	4,67	1,3
		5	89	5,79	1,6
		6,3	89	7,25	2,0
	50	5	94	6,29	1,8
		6,3	94	7,88	2,2
	63	5	101	6,94	1,9
		6,3	101	8,68	2,4
		8	101	10,91	3,1
	80	80	6,3	113	9,75
8			113	12,27	3,4

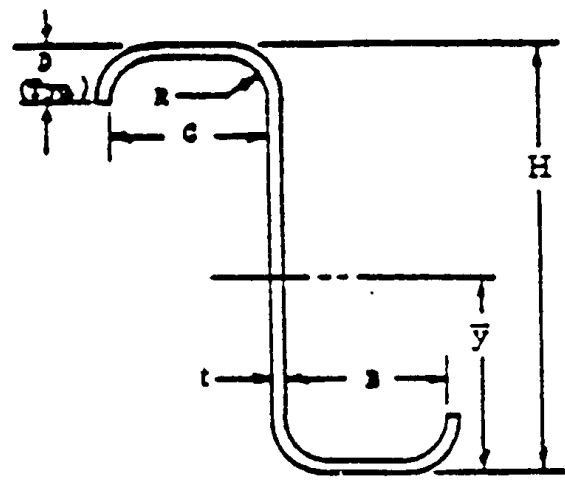


Finish: None

General tolerances: Per FED-STD-245

Dimension				Section	Linear mass
mm				cm <sup>2</sup>	kg/m
b	h	s	d <sub>u</sub>		
20	25	2,5	29	1,06	0,297
25	16	1,6	26	0,63	0,176
	20	2	28	0,86	0,241
	25	2,5	31,5	1,19	0,333
	32	3,2	37	1,72	0,482
	40	4	44	2,44	0,683
32	20	2	33	1,0	0,280
	25	2,5	35	1,36	0,381
	32	3,2	40	1,95	0,546
	40	4	46,5	2,72	0,762
	40	5	46,5	3,35	0,938
	50	5	55	3,85	1,080
40	25	2,5	41	1,56	0,437
	32	3,2	44,5	2,2	0,616
	40	4	50	3,04	0,851
	40	5	50	3,75	1,050
	50	4	58	3,44	0,963
	50	5	58	4,25	1,19
	63	5	69,5	4,9	1,37
45	23	2	45	1,33	0,37
50	32	3,2	52	2,52	0,706
	40	4	56	3,44	0,963
	50	5	62	4,75	1,33
63	40	4	65	3,96	1,11
	50	5	70	5,4	1,51
	63	6,3	79	7,54	2,11
	80	8	92,5	10,8	3,02
80	50	5	82	6,25	1,75
	63	6,3	88,5	8,61	2,41
	80	8	99,5	12,2	3,40
	100	6,3	116	10,9	3,06
	100	8	116	13,8	3,85

2 ZEE SECTIONS

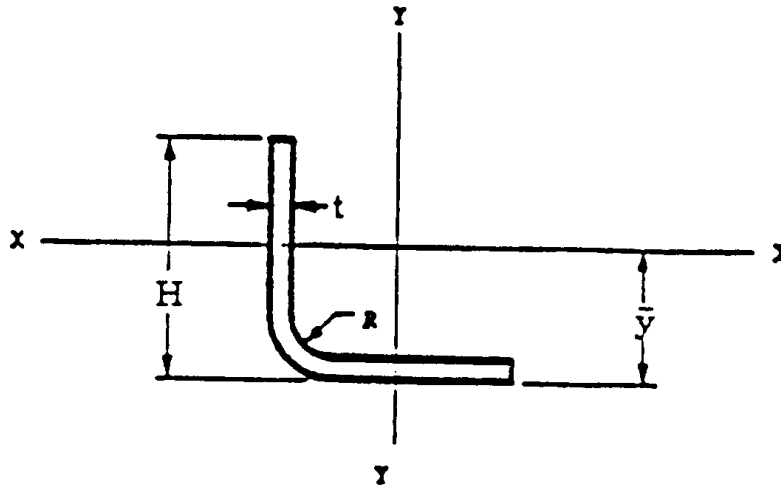


SECTION	H	B	C	D	t	R	AREA	$\bar{y}$	$I_x$	$\rho_x$
BAC1517	IN.	IN.	IN.	IN.	IN.	IN.	IN. <sup>2</sup>	IN.	IN. <sup>4</sup>	IN.
- 496	2.460	.900	.900	.330	.081	.190	.3656	1.230	.318	.933
- 705	2.491	.900	.900	.330	.051	.250	.2281	1.246	.203	.944
- 706	2.504	.900	.900	.330	.064	.250	.2865	1.252	.255	.944
- 708	2.491	1.060	.740	.330	.051	.250	.2281	1.246	.201	.940
- 709	2.504	1.090	.710	.330	.064	.250	.2865	1.252	.253	.939
-1004	2.500	.900	.900	.500	.072	.250	.3460	1.250	.302	.934
-1062	2.490	.900	.900	.330	.056	.250	.2526	1.245	.225	.944
-1080	2.500	.900	.900	.500	.081	.250	.3891	1.250	.338	.932
-1147	2.505	.900	.900	.330	.045	.250	.2034	1.253	.184	.951
-1256	2.500	.900	.900	.500	.090	.250	.4314	1.250	.373	.929

Figure 1.3.2-1



# EQUAL LEG FORMED ANGLE

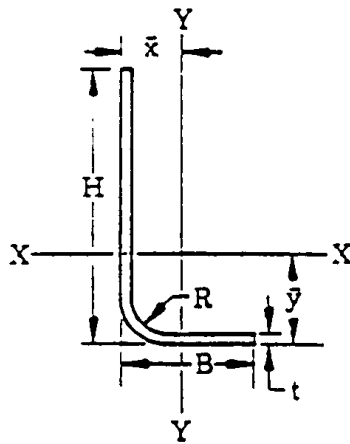


H	t	R	AREA	WT/FT	DEVEL. WIDTH	$\bar{y}$	$I_x$
1/2	.020	3/32	.019	.022	.94	.139	.0005
	.025	3/32	.023	.026	.93	.141	.0006
	.032	3/32	.030	.035	.92	.144	.0007
9/16	.025	3/32	.025	.032	1.00	.162	.0008
	.032	3/32	.033	.040	1.05	.159	.0011
	.040	1/8	.041	.049	1.02	.165	.0015
5/8	.032	3/32	.037	.045	1.17	.175	.0015
	.040	1/8	.046	.055	1.15	.181	.0018
	.051	5/32	.057	.069	1.12	.188	.0022
11/16	.032	3/32	.042	.050	1.30	.191	.0020
	.040	1/8	.051	.061	1.27	.196	.0024
	.051	5/32	.063	.076	1.24	.203	.0029
3/4	.032	3/32	.045	.055	1.42	.207	.0026
	.040	1/8	.056	.067	1.40	.212	.0031
	.051	5/32	.070	.084	1.37	.218	.0039
	.064	3/16	.086	.103	1.34	.227	.0047
13/16	.072	7/32	.095	.114	1.32	.233	.0051
	.040	1/8	.061	.073	1.52	.228	.0040
	.051	5/32	.076	.092	1.49	.234	.0050
	.064	3/16	.094	.113	1.47	.242	.0060
	.072	7/32	.104	.125	1.44	.246	.0066
7/8	.081	1/4	.115	.136	1.42	.254	.0072
	.040	1/8	.066	.079	1.65	.242	.0051
	.051	5/32	.083	.099	1.62	.249	.0063
	.064	3/16	.102	.122	1.59	.257	.0076
	.072	7/32	.113	.135	1.57	.264	.0084
1	.081	1/4	.125	.150	1.54	.270	.0091
	.040	1/8	.076	.091	1.90	.274	.0077
	.051	5/32	.095	.115	1.87	.280	.0096
	.064	3/16	.118	.141	1.84	.288	.0116
	.072	7/32	.131	.157	1.82	.294	.0128
1 1/8	.081	1/4	.145	.175	1.80	.300	.0141
	.091	9/32	.161	.193	1.77	.307	.0154
	.040	1/8	.086	.103	2.15	.305	.0109
	.051	5/32	.108	.130	2.12	.311	.0138
	.064	3/16	.134	.161	2.09	.319	.0169
	.072	7/32	.149	.179	2.07	.325	.0185
1 1/4	.081	1/4	.166	.199	2.04	.331	.0221
	.091	9/32	.184	.221	2.02	.337	.0226
	.102	11/32	.203	.244	1.99	.346	.0247
	.040	1/8	.096	.115	2.40	.337	.0154
.051	5/32	.121	.145	2.37	.343	.0190	

H	t	R	AREA	WT/FT	DEVEL. WIDTH	$\bar{y}$	$I_x$
1 1/4	.064	3/16	.150	.180	2.34	.350	.0234
	.072	7/32	.167	.200	2.32	.356	.0258
	.081	1/4	.186	.223	2.29	.362	.0285
	.091	9/32	.206	.248	2.27	.368	.0317
	.102	11/32	.229	.274	2.24	.376	.0346
1 3/8	.040	1/8	.106	.127	2.65	.367	.0206
	.051	5/32	.134	.160	2.62	.374	.0256
	.064	3/16	.166	.199	2.59	.381	.0315
	.072	7/32	.185	.222	2.57	.387	.0349
	.081	1/4	.206	.247	2.55	.392	.0387
1 1/2	.091	9/32	.229	.275	2.52	.399	.0426
	.102	11/32	.254	.305	2.49	.407	.0468
	.051	5/32	.146	.176	2.80	.405	.0334
	.064	3/16	.182	.218	2.84	.413	.0411
	.072	7/32	.203	.244	2.82	.418	.0459
1 5/8	.081	1/4	.226	.272	2.80	.423	.0509
	.091	9/32	.252	.302	2.77	.430	.0563
	.102	11/32	.280	.336	2.74	.438	.0615
	.051	5/32	.150	.191	3.12	.435	.0430
	.064	3/16	.198	.236	3.10	.443	.0528
1 7/8	.072	7/32	.221	.265	3.07	.448	.0586
	.081	1/4	.245	.297	3.06	.453	.0652
	.091	9/32	.275	.330	3.02	.461	.0727
	.102	11/32	.305	.366	2.99	.468	.0796
	.051	5/32	.172	.206	3.37	.467	.0537
2	.064	3/16	.214	.257	3.34	.475	.0666
	.072	7/32	.239	.287	3.32	.479	.0739
	.081	1/4	.267	.320	3.30	.483	.0823
	.091	9/32	.297	.357	3.27	.493	.0911
	.102	11/32	.341	.397	3.24	.500	.1008
1 7/8	.051	5/32	.184	.221	3.62	.498	.0652
	.064	3/16	.230	.276	3.50	.506	.0820
	.072	7/32	.257	.308	3.57	.512	.0917
	.081	1/4	.287	.347	3.55	.516	.1018
	.091	9/32	.320	.384	3.52	.523	.1125
2	.102	11/32	.356	.427	3.49	.529	.1252
	.051	5/32	.197	.237	3.87	.529	.0809
	.064	3/16	.246	.295	3.84	.537	.0998
	.072	7/32	.275	.330	3.82	.543	.1114
	.081	1/4	.307	.368	3.79	.548	.1241
2	.091	9/32	.342	.411	3.77	.555	.1382
	.102	11/32	.382	.447	3.74	.562	.1527

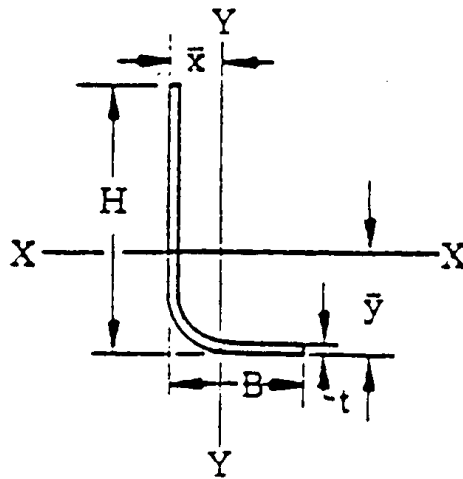
Figure 1.3.3-1

1.3.4 UNEQUAL LEG FORMED ANGLE



H	B	t	R	AREA	WT/FT	DEVEL WIDTH	$\bar{X}$	$\bar{Y}$	M. INERTIA	
									$I_x$	$I_y$
9/16	7/16	.025	3/32	.023	.028	.93	.111	.176	.0004	.0008
		.032	3/32	.029	.035	.92	.113	.179	.0005	.0010
		.040	1/8	.036	.043	.90	.118	.186	.0006	.0012
5/8	1/2	.032	3/32	.034	.040	1.05	.125	.194	.0008	.0013
		.040	1/8	.041	.049	1.02	.134	.200	.0009	.0016
		.051	5/32	.051	.061	1.00	.141	.208	.0012	.0020
11/16	7/16	.032	3/32	.034	.040	1.05	.101	.232	.0004	.0017
		.040	1/8	.041	.049	1.02	.108	.239	.0007	.0020
		.051	5/32	.051	.061	1.00	.113	.248	.0008	.0024
3/4	1/2	.032	3/32	.037	.045	1.17	.117	.268	.0008	.0022
		.040	1/8	.046	.055	1.15	.122	.273	.0010	.0027
		.051	5/32	.057	.069	1.12	.128	.282	.0012	.0033
7/8	5/8	.040	1/8	.046	.055	1.12	.135	.271	.0015	.0040
		.051	5/32	.063	.075	1.24	.172	.238	.0023	.0036
		.064	3/16	.078	.094	1.22	.179	.246	.0028	.0043
1	1/2	.040	1/8	.051	.061	1.27	.112	.308	.0011	.0041
		.051	5/32	.064	.076	1.25	.118	.316	.0013	.0050
		.064	3/16	.078	.093	1.22	.126	.326	.0015	.0061
1	3/4	.040	1/8	.054	.067	1.40	.152	.283	.0020	.0045
		.051	5/32	.070	.084	1.37	.158	.289	.0024	.0054
		.064	3/16	.086	.103	1.34	.165	.290	.0029	.0064
1	7/8	.040	1/8	.056	.067	1.40	.141	.336	.0021	.0065
		.051	5/32	.076	.091	1.50	.202	.268	.0041	.0059
		.064	3/16	.094	.113	1.47	.210	.276	.0050	.0072
1	1	.040	1/8	.061	.073	1.52	.196	.261	.0033	.0048
		.051	5/32	.076	.091	1.50	.202	.268	.0041	.0059
		.064	3/16	.094	.113	1.47	.210	.276	.0050	.0072
1	1 1/8	.040	1/8	.066	.079	1.65	.183	.312	.0035	.0069
		.051	5/32	.082	.099	1.62	.188	.319	.0043	.0086
		.064	3/16	.102	.122	1.59	.195	.328	.0052	.0104
1	1 1/4	.040	1/8	.072	.113	1.57	.201	.335	.0057	.0114
		.051	5/32	.088	.136	1.57	.201	.335	.0057	.0114
		.064	3/16	.102	.150	1.55	.207	.342	.0063	.0125
1	1 1/2	.040	1/8	.078	.126	1.59	.216	.340	.0068	.0130
		.051	5/32	.094	.152	1.56	.222	.349	.0079	.0142
		.064	3/16	.113	.186	1.52	.234	.364	.0097	.0156
1	1 3/4	.040	1/8	.082	.136	1.65	.216	.377	.0070	.0142
		.051	5/32	.099	.162	1.62	.222	.386	.0083	.0159
		.064	3/16	.122	.199	1.59	.232	.400	.0108	.0176
1	2	.040	1/8	.088	.152	1.65	.227	.408	.0083	.0159
		.051	5/32	.106	.186	1.62	.234	.418	.0108	.0176
		.064	3/16	.126	.222	1.59	.246	.438	.0136	.0204
1	2 1/4	.040	1/8	.094	.167	1.65	.234	.438	.0108	.0176
		.051	5/32	.126	.210	1.62	.246	.458	.0136	.0204
		.064	3/16	.152	.258	1.59	.264	.488	.0176	.0252
1	2 3/4	.040	1/8	.102	.186	1.65	.246	.488	.0136	.0204
		.051	5/32	.136	.234	1.62	.264	.518	.0176	.0252
		.064	3/16	.167	.282	1.59	.282	.558	.0222	.0306
1	3	.040	1/8	.113	.204	1.65	.264	.558	.0176	.0252
		.051	5/32	.152	.258	1.62	.282	.588	.0222	.0306
		.064	3/16	.186	.312	1.59	.300	.628	.0270	.0360
1	3 1/2	.040	1/8	.126	.222	1.65	.282	.628	.0222	.0306
		.051	5/32	.167	.282	1.62	.300	.668	.0270	.0360
		.064	3/16	.210	.342	1.59	.318	.708	.0318	.0402
1	4	.040	1/8	.136	.246	1.65	.300	.708	.0270	.0360
		.051	5/32	.186	.312	1.62	.318	.748	.0318	.0402
		.064	3/16	.222	.360	1.59	.336	.788	.0366	.0450
1	4 1/2	.040	1/8	.146	.264	1.65	.318	.788	.0318	.0402
		.051	5/32	.204	.342	1.62	.336	.828	.0366	.0450
		.064	3/16	.246	.402	1.59	.354	.868	.0414	.0498
1	5	.040	1/8	.156	.282	1.65	.336	.868	.0366	.0450
		.051	5/32	.234	.372	1.62	.354	.908	.0414	.0498
		.064	3/16	.282	.438	1.59	.372	.948	.0462	.0546
1	5 1/2	.040	1/8	.167	.300	1.65	.354	.948	.0414	.0498
		.051	5/32	.258	.402	1.62	.372	.988	.0462	.0546
		.064	3/16	.300	.462	1.59	.390	1.028	.0510	.0594
1	6	.040	1/8	.176	.318	1.65	.372	.988	.0462	.0546
		.051	5/32	.282	.438	1.62	.390	1.028	.0510	.0594
		.064	3/16	.342	.510	1.59	.408	1.068	.0558	.0630
1	6 1/2	.040	1/8	.186	.336	1.65	.390	1.068	.0510	.0594
		.051	5/32	.312	.462	1.62	.408	1.108	.0558	.0630
		.064	3/16	.360	.540	1.59	.426	1.148	.0606	.0678
1	7	.040	1/8	.196	.354	1.65	.408	1.148	.0606	.0678
		.051	5/32	.342	.492	1.62	.426	1.188	.0654	.0726
		.064	3/16	.390	.570	1.59	.444	1.228	.0702	.0774
1	7 1/2	.040	1/8	.204	.372	1.65	.426	1.228	.0702	.0774
		.051	5/32	.372	.510	1.62	.444	1.268	.0750	.0822
		.064	3/16	.426	.594	1.59	.462	1.308	.0798	.0870
1	8	.040	1/8	.214	.390	1.65	.444	1.308	.0798	.0870
		.051	5/32	.402	.540	1.62	.462	1.348	.0846	.0918
		.064	3/16	.462	.630	1.59	.480	1.388	.0894	.0966
1	8 1/2	.040	1/8	.222	.402	1.65	.462	1.388	.0894	.0966
		.051	5/32	.438	.594	1.62	.480	1.428	.0942	.1014
		.064	3/16	.492	.690	1.59	.498	1.468	.0990	.1062
1	9	.040	1/8	.234	.426	1.65	.480	1.468	.0990	.1062
		.051	5/32	.462	.630	1.62	.500	1.508	.1038	.1110
		.064	3/16	.510	.738	1.59	.518	1.548	.1086	.1158
1	9 1/2	.040	1/8	.246	.450	1.65	.500	1.548	.1086	.1158
		.051	5/32	.492	.660	1.62	.518	1.588	.1134	.1206
		.064	3/16	.540	.774	1.59	.536	1.628	.1182	.1254
1	10	.040	1/8	.258	.474	1.65	.518	1.628	.1182	.1254
		.051	5/32	.510	.690	1.62	.536	1.668	.1230	.1302
		.064	3/16	.558	.810	1.59	.554	1.708	.1278	.1350
1	10 1/2	.040	1/8	.264	.486	1.65	.536	1.708	.1278	.1350
		.051	5/32	.540	.738	1.62	.554	1.748	.1326	.1398
		.064	3/16	.594	.858	1.59	.572	1.788	.1374	.1446
1	11	.040	1/8	.276	.510	1.65	.554	1.788	.1374	.1446
		.051	5/32	.570	.774	1.62	.572	1.828	.1422	.1494
		.064	3/16	.618	.894	1.59	.590	1.868	.1470	.1542
1	11 1/2	.040	1/8	.282	.522	1.65	.572	1.868	.1470	.1542
		.051	5/32	.606	.810	1.62	.590	1.908	.1518	.1590
		.064	3/16	.654	.930	1.59	.608	1.948	.1566	.1638
1	12	.040	1/8	.294	.546	1.65	.590	1.948	.1566	.1638
		.051	5/32	.630	.858	1.62	.608	1.988	.1614	.1686
		.064	3/16	.678	.984	1.59	.626	2.028	.1662	.1734
1	12 1/2	.040	1/8	.300	.558	1.65	.608	2.028	.1662	.1734
		.051	5/32	.660	.906	1.62	.626	2.068	.1710	.1782
		.064	3/16	.708	.1032	1.59	.644	2.108	.1758	.1830
1	13	.040	1/8	.312	.582	1.65	.626	2.108	.1758	.1830
		.051	5/32	.690	.954	1.62	.644	2.148	.1806	.1878
		.064	3/16	.738	.1098	1.59	.662	2.188	.1854	.1926
1	13 1/2	.040	1/8	.324	.606	1.65	.644	2.188	.1854	.1926
		.051	5/32	.720	.1032	1.62	.662	2.228	.1902	.1974
		.064	3/16	.762	.1122	1.59	.680	2.268	.1950	.2022
1	14	.040	1/8	.336	.630	1.65	.662	2.268	.1950	.2022
		.051	5/32	.750	.1098	1.62	.680	2.308	.1998	.2070
		.064	3/16	.792	.1198	1.59	.698	2.348	.2046	.2118
1	14 1/2	.040	1/8	.348	.654	1.65	.680	2.348	.2046	.2118
		.051	5/32	.780	.1164	1.62	.700			

UNEQUAL LEG FORMED ANGLE (Continued)



H	B	t	R	AREA	WT/FT	DEVEL WIDTH	$\bar{x}$	$\bar{y}$	M. INERTIA		RAD. GYR.	
									$I_y$	$I_x$	$D_y$	$D_x$
9/16	1/4	.020	1/16	.015	.018	.76	.048	.211	.0001	.0005	.068	.183
		.032	3/32	.023	.028	.73	.054	.221	.0001	.0008	.066	.180
5/8	1/4	.020	1/16	.016	.020	.82	.045	.240	.0001	.0007	.066	.203
		.032	3/32	.025	.031	.76	.051	.250	.0001	.0010	.064	.200
11/16	1/4	.020	1/16	.018	.021	.80	.043	.259	.0001	.0009	.064	.223
		.032	3/32	.028	.033	.86	.049	.270	.0001	.0013	.062	.220
		.040	1/8	.033	.040	.84	.052	.266	.0001	.0016	.062	.216
3/4	5/16	.020	1/16	.020	.024	1.01	.045	.281	.0001	.0012	.064	.245
		.032	3/32	.031	.038	.98	.062	.294	.0002	.0018	.083	.242
		.040	1/8	.038	.046	.96	.066	.299	.0003	.0022	.082	.240
		.051	5/32	.048	.057	.93	.072	.309	.0003	.0027	.081	.237
7/8	5/16	.020	1/16	.023	.027	1.14	.051	.340	.0001	.0018	.081	.285
		.032	3/32	.035	.043	1.11	.056	.350	.0002	.0028	.080	.282
		.040	1/8	.043	.052	1.09	.061	.358	.0003	.0034	.078	.279
		.051	5/32	.054	.065	1.06	.066	.366	.0003	.0041	.077	.276
1	5/16	.020	1/16	.025	.030	1.25	.047	.399	.0002	.0026	.077	.324
		.032	3/32	.039	.047	1.23	.052	.409	.0002	.0041	.076	.321
		.040	1/8	.048	.057	1.21	.057	.418	.0003	.0049	.075	.318
		.051	5/32	.060	.072	1.18	.062	.426	.0003	.0060	.075	.314
1 1/8	5/16	.040	1/8	.053	.064	1.34	.053	.478	.0003	.0068	.073	.355
		.051	5/32	.067	.080	1.31	.050	.489	.0003	.0083	.072	.352
		.064	3/16	.082	.098	1.28	.065	.501	.0004	.0094	.071	.347
1 1/4	5/16	.040	1/8	.058	.070	1.40	.050	.539	.0003	.0091	.071	.394
		.051	5/32	.073	.088	1.43	.056	.550	.0004	.0111	.069	.390
		.064	3/16	.090	.109	1.40	.062	.562	.0004	.0133	.068	.384
		.072	7/32	.099	.119	1.38	.066	.572	.0005	.0144	.068	.380
1 3/8	5/16	.040	1/8	.063	.076	1.50	.048	.600	.0003	.0118	.069	.432
		.051	5/32	.079	.095	1.56	.053	.611	.0004	.0146	.067	.428
		.064	3/16	.098	.118	1.53	.060	.624	.0004	.0174	.066	.422
		.072	7/32	.108	.130	1.51	.064	.634	.0005	.0189	.066	.417
1 1/2	5/16	.040	1/8	.068	.082	1.71	.046	.661	.0003	.0151	.066	.470
		.051	5/32	.086	.103	1.66	.051	.672	.0004	.0186	.065	.465
		.064	3/16	.106	.127	1.63	.058	.685	.0004	.0223	.065	.459
		.072	7/32	.117	.141	1.63	.062	.696	.0005	.0242	.064	.454
1 3/4	3/8	.051	5/32	.102	.122	2.00	.057	.771	.0006	.0306	.079	.548
		.064	3/16	.126	.151	1.97	.063	.784	.0008	.0370	.079	.542
		.072	7/32	.140	.168	1.95	.068	.794	.0009	.0405	.078	.538
		.081	1/4	.155	.186	1.92	.073	.804	.0009	.0441	.078	.533
1 7/8	3/8	.051	5/32	.108	.130	2.22	.055	.833	.0007	.0381	.078	.586
		.064	3/16	.134	.161	2.09	.062	.845	.0008	.0450	.077	.579
		.072	7/32	.149	.179	2.07	.066	.856	.0009	.0493	.076	.575
		.081	1/4	.166	.199	2.05	.071	.866	.0009	.0528	.076	.570
2	1/2	.051	5/32	.121	.145	2.37	.074	.948	.0016	.0440	.114	.636
		.064	3/16	.150	.180	2.34	.080	.860	.0019	.0508	.112	.631
		.072	7/32	.167	.200	2.42	.084	.870	.0021	.0656	.112	.628
		.081	1/4	.186	.223	2.29	.089	.880	.0023	.0723	.111	.624

2024 ALUMINUM ALLOY (BARE SHEET & PLATE, EXTRUSIONS, BAR, ROD & WIRE) (Cont.)

Table B2.12 Design Mechanical and Physical Properties of 2024 Aluminum Alloy (Extrusions)

Alloy.....	2024													
	Extruded bars, rods, and shapes													
Form.....	Heat treated												Heat treated by user <sup>b</sup>	Heat treated cold worked and aged
	-T4 <sup>c</sup>												-T42	-T81
Condition.....	0.050-0.249	0.250-0.499	0.500-0.749	0.750-1.499	1.500-2.999	3.000	All thickness						≤0.250	
	≤25						≥25, ≥32						≤32	
Thickness, in.....	A		B		A		B		A		B		A	A
Cross-sectional area, in. <sup>2</sup> .....														
Basis.....														
Mechanical properties:														
<i>F<sub>tu</sub></i> , ksi	57	61	60	62	60	62	65	70	70	74	70	74	57	64
<i>L</i> .....	57	61	60	62	60	62	58	61	54	57	50	53	50	
<i>T</i> .....														
<i>F<sub>ty</sub></i> , ksi	42	47	44	47	44	47	46	54	52	54	52	54	38	56
<i>L</i> .....	42	46	43	46	42	45	41	44	38	41	36	39	36	
<i>T</i> .....														
<i>F<sub>cy</sub></i> , ksi	38	41	39	42	39	42	44	52	50	52	50	52	38	
<i>L</i> .....	38	41	39	42	39	42	42	48	42	44	42	44	38	
<i>T</i> .....														
<i>F<sub>su</sub></i> , ksi	30	32	32	33	32	33	34	38	38	40	38	40	30	
<i>F<sub>su</sub></i> , ksi														
( <i>e/D</i> =1.5)	85	91	85	91	85	91	85	91	85	91	85	91	85	
( <i>e/D</i> =2.0)	108	114	108	114	108	114	108	114	108	114	108	114	108	
<i>F<sub>brv</sub></i> , ksi														
( <i>e/D</i> =1.5)	59	66	60	66	60	66	61	66	62	66	62	66	53	
( <i>e/D</i> =2.0)	67	75	69	75	69	75	71	75	73	75	73	75	61	
<i>e</i> , percent														
<i>L</i> .....	12		12		12		10		10		10		12	
<i>T<sup>a</sup></i> .....			6		6		5		2		2			
<i>E</i> , 10 <sup>6</sup> psi.....													10.5	
<i>E<sub>s</sub></i> , 10 <sup>6</sup> psi.....													10.7	
<i>G</i> , 10 <sup>6</sup> psi.....													4.0	

CLAD 2024 ALUMINUM ALLOY (SHEET, PLATE, COILED SHEET)

Table B2. 14 Design Mechanical and Physical Properties of Clad 2024 Aluminum Alloy (Sheet, Plate, and Coiled Sheet)

Alloy Form	Clad 2024													
	Sheet and plate						Coiled sheet							
	Heat treated and rolled			Heat treated *			Heat treated by user *			Heat treated				
	-T3		-T36		-T4		-T42		-T4		-T8		-T81	
Condition	0.010-0.062	0.020-0.063	0.062-0.499	0.500-0.500	0.250-0.499	1.000-1.000	2.001-3.000	0.043-0.062	0.250-0.499	1.001-3.000	0.010-0.062	0.063-0.128	0.010-0.062	0.063-0.250
Thickness, in.	0.062	0.063	0.499	0.500	0.499	1.000	3.000	0.062	0.250	1.000	0.062	0.128	0.062	0.250
Width, in.	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Basis	A	B	A	B	A	B	A	B	A	B	A	B	A	B
Mechanical properties:														
$F_{ts}$ , ksi	63	65	63	65	61	65	59	61	62	60	60	61	61	63
$F_{tu}$ , ksi	62	64	62	64	60	64	58	60	62	60	60	61	61	63
$F_{cu}$ , ksi	46	48	46	48	44	48	42	44	46	44	44	44	44	46
$F_{cs}$ , ksi	41	43	41	43	40	42	38	40	42	40	40	40	40	42
$F_{tu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{cu}$ , ksi	37	39	37	39	35	37	33	35	37	34	34	34	34	36
$F_{cs}$ , ksi	42	44	42	44	40	42	38	40	42	40	40	40	40	42
$F_{ts}$ , ksi	38	40	38	40	36	38	34	36	38	36	36	36	36	38
$F_{tu}$ , ksi	37	39	37	39	35	37	33	35	37	34	34	34	34	36
$F_{cu}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{cs}$ , ksi	44	46	44	46	42	44	40	42	44	42	42	42	42	44
$F_{ts}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{tu}$ , ksi	38	40	38	40	36	38	34	36	38	36	36	36	36	38
$F_{cu}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{ts}$ , ksi	44	46	44	46	42	44	40	42	44	42	42	42	42	44
$F_{tu}$ , ksi	43	45	43	45	41	43	39	41	43	40	40	40	40	42
$F_{cu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{ts}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{tu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{cu}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{ts}$ , ksi	44	46	44	46	42	44	40	42	44	42	42	42	42	44
$F_{tu}$ , ksi	43	45	43	45	41	43	39	41	43	40	40	40	40	42
$F_{cu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{ts}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{tu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{cu}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{ts}$ , ksi	44	46	44	46	42	44	40	42	44	42	42	42	42	44
$F_{tu}$ , ksi	43	45	43	45	41	43	39	41	43	40	40	40	40	42
$F_{cu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{ts}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{tu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{cu}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{ts}$ , ksi	44	46	44	46	42	44	40	42	44	42	42	42	42	44
$F_{tu}$ , ksi	43	45	43	45	41	43	39	41	43	40	40	40	40	42
$F_{cu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{ts}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{tu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{cu}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{ts}$ , ksi	44	46	44	46	42	44	40	42	44	42	42	42	42	44
$F_{tu}$ , ksi	43	45	43	45	41	43	39	41	43	40	40	40	40	42
$F_{cu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{ts}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{tu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{cu}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{ts}$ , ksi	44	46	44	46	42	44	40	42	44	42	42	42	42	44
$F_{tu}$ , ksi	43	45	43	45	41	43	39	41	43	40	40	40	40	42
$F_{cu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{ts}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{tu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{cu}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{ts}$ , ksi	44	46	44	46	42	44	40	42	44	42	42	42	42	44
$F_{tu}$ , ksi	43	45	43	45	41	43	39	41	43	40	40	40	40	42
$F_{cu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{ts}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{tu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{cu}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{ts}$ , ksi	44	46	44	46	42	44	40	42	44	42	42	42	42	44
$F_{tu}$ , ksi	43	45	43	45	41	43	39	41	43	40	40	40	40	42
$F_{cu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{ts}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{tu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{cu}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{ts}$ , ksi	44	46	44	46	42	44	40	42	44	42	42	42	42	44
$F_{tu}$ , ksi	43	45	43	45	41	43	39	41	43	40	40	40	40	42
$F_{cu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{ts}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{tu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{cu}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{ts}$ , ksi	44	46	44	46	42	44	40	42	44	42	42	42	42	44
$F_{tu}$ , ksi	43	45	43	45	41	43	39	41	43	40	40	40	40	42
$F_{cu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{ts}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{tu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{cu}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{ts}$ , ksi	44	46	44	46	42	44	40	42	44	42	42	42	42	44
$F_{tu}$ , ksi	43	45	43	45	41	43	39	41	43	40	40	40	40	42
$F_{cu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{ts}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{tu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{cu}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{ts}$ , ksi	44	46	44	46	42	44	40	42	44	42	42	42	42	44
$F_{tu}$ , ksi	43	45	43	45	41	43	39	41	43	40	40	40	40	42
$F_{cu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36	36	38
$F_{ts}$ , ksi	40	42	40	42	38	40	36	38	40	38	38	38	38	40
$F_{tu}$ , ksi	39	41	39	41	37	39	35	37	39	36	36	36		

7075 ALUMINUM ALLOY BARE & CLAD SHEET & PLATE

Table B2.15 Design Mechanical and Physical Properties of 7075 Aluminum Alloy (Sheet and Plate)

Alloy.....	7075																	
	Sheet and plate																	
	-T6 <sup>a</sup>																	
Form.....	0.015-0.039		0.040-0.249		0.250-0.500		0.501-1.000		1.001-2.000		2.001-2.500		2.501-3.000		3.001-3.500		3.501-4.000	
Condition.....	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
Thickness, in.....																		
Basic.....																		
Mechanical properties:																		
$F_{ts}$ , ksi	76	78	77	79	77	79	79	79	82	80	73	75	70	72	68	66	66	66
$L$ .....																		
$T$ .....	76	78	77	79	77	79	79	79	80	79	73	75	70	72	68	66	66	66
$ST$ .....																		
$F_{ty}$ , ksi																		
$L$ .....																		
$T$ .....	66	69	67	70	67	69	69	69	72	71	62	65	60	62	58	58	56	56
$ST$ .....																		
$F_{cy}$ , ksi	65	68	66	69	66	68	68	68	69	69	62	65	60	62	58	58	54	54
$L$ .....																		
$T$ .....																		
$ST$ .....																		
$F_{cu}$ , ksi	67	70	68	71	69	71	71	71	72	71	65	67	63	65	62	60	60	60
$L$ .....																		
$T$ .....	70	73	71	74	69	71	71	71	72	68	65	67	63	65	62	60	60	60
$ST$ .....																		
$F_{bu}$ , ksi	46	47	46	47	46	47	47	47	49	46	43	45	41	43	40	39	39	39
$L$ .....																		
$T$ .....																		
$ST$ .....																		
$(e/D=1.5)$ .....	114	117	116	119	108	110	110	110	115	109	102	105	98	101	95	94	94	94
$L$ .....																		
$T$ .....	144	148	146	150	139	142	142	142	147	140	131	135	126	130	122	119	119	119
$ST$ .....																		
$F_{bu}$ , ksi <sup>b</sup>																		
$(e/D=1.5)$ .....	92	97	94	98	87	90	90	90	94	88	81	84	78	81	75	73	73	73
$L$ .....																		
$T$ .....	106	110	107	112	100	104	104	104	108	102	93	97	90	93	87	84	84	84
$ST$ .....																		
$e$ , percent	7	7	8	8	8	8	8	6	6	5	5	5	5	5	5	5	5	5
$L$ .....																		
$T$ .....	7	7	8	8	8	8	8	6	6	4	3	3	3	3	3	3	3	3
$ST$ .....																		
$E$ , 10 <sup>6</sup> psi.....	10.3																	
$E_c$ , 10 <sup>6</sup> psi.....	10.5																	
$G$ , 10 <sup>6</sup> psi.....	3.9																	
Physical properties:																		
$\omega$ , lb/in. <sup>3</sup> .....	0.101																	
$C$ , Btu/(lb)(F).....	0.23 (at 212°F)																	
$K$ , Btu/[(hr)(ft <sup>2</sup> )(F)/ft].....	76 (at 77°F)																	
$\alpha$ , 10 <sup>-6</sup> in./in./F.....	12.9 (68° to 212°F)																	

<sup>a</sup> For the stress relieved temper -T651, all values for the -T6 temper apply with the exception of  $F_{cy}$ . Applicable  $F_{cy}$  values are as follows:

Thickness (in.)	2.001-2.500	L
0.250-2.000	2.501-3.000	L
Direction of test	See Table B.1.1.1.1.	L

<sup>b</sup> See Table B.1.1.1.1.

7075 ALUMINUM ALLOY BARE & CLAD SHEET & PLATE (Cont.)

Table B2.16 Design Mechanical and Physical Properties

Alloy	Clad 7075																					
	Sheet and plate																					
	-T8 <sup>a</sup>																					
Form	0.015-0.039		0.040-0.062		0.063-0.187		0.188-0.249		0.250-0.499		0.500-1.000 <sup>b</sup>		1.001-2.000 <sup>b</sup>		2.001-2.500 <sup>b</sup>		2.501-3.000 <sup>b</sup>		3.001-3.500 <sup>b</sup>		3.501-4.000 <sup>b</sup>	
Condition	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
Thickness, in.	70	73	72	74	73	75	77	75	77	75	77	77	75	79	77	75	77	73	68	70	66	64
Mechanical properties:																						
$F_{TS}$ , ksi-L	70	73	72	74	73	75	77	75	77	75	77	77	75	79	77	75	77	73	68	70	66	64
$T$	70	73	72	74	73	75	77	75	77	75	77	77	75	79	77	75	77	73	68	70	66	64
$ST$	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
$F_{TY}$ , ksi-L	61	64	63	65	64	66	65	67	65	67	66	67	65	68	66	67	66	62	58	60	56	54
$T$	60	63	62	64	63	65	64	66	64	66	64	66	64	66	64	67	60	62	58	60	56	54
$ST$	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
$F_{CY}$ , ksi-L	62	65	64	66	65	67	66	68	66	68	66	69	66	69	66	69	62	64	61	62	60	58
$T$	64	67	66	68	67	69	68	70	68	69	68	69	66	69	66	69	62	64	61	62	60	58
$ST$	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
$F_{su}$ , ksi <sup>c</sup>	42	44	43	44	44	45	46	45	46	45	46	46	45	46	46	47	42	43	40	41	39	38
$F_{Bsu}$ , ksi--(e/D=1.5)	105	110	108	111	110	112	112	116	105	108	108	111	108	111	108	109	99	102	95	98	92	90
(e/D=2.0)	133	139	137	141	139	142	142	146	135	139	139	142	137	142	137	140	128	131	122	119	115	115
$F_{Bsy}$ , ksi--(e/D=1.5)	85	90	88	91	90	92	91	94	84	87	86	88	86	88	86	90	78	81	75	78	73	70
(e/D=2.0)	98	102	101	104	102	106	104	107	98	100	99	102	99	102	99	104	90	93	87	90	84	81
$e$ , percent-L	7	..	8	..	8	..	8	..	8	..	8	..	8	..	8	..	5	..	5	..	5	..
$T$	7	..	8	..	8	..	8	..	8	..	8	..	8	..	8	..	3	..	3	..	3	..
$ST$	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
$E$ , 10 <sup>6</sup> psi-Pri	10.3	..	10.3	..	10.3	..	10.3	..	10.3	..	10.3	..	10.3	..	10.3	..	10.3	..	10.3	..	10.3	..
Sec.	9.5	..	9.5	..	9.8	..	9.8	..	9.8	..	9.8	..	9.8	..	9.8	..	10.0	..	10.0	..	10.0	..
$E_c$ , 10 <sup>6</sup> psi-Pri	10.5	..	10.5	..	10.5	..	10.5	..	10.5	..	10.5	..	10.5	..	10.5	..	10.5	..	10.5	..	10.5	..
Sec.	9.7	..	9.7	..	10.0	..	10.0	..	10.0	..	10.0	..	10.0	..	10.0	..	10.2	..	10.2	..	10.2	..
$G$ , 10 <sup>6</sup> psi	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Physical properties:																						
$\omega$ , lb/in. <sup>3</sup>	0.101																					
$C$ , Btu/(lb)(F)	0.23 (at 212°F)																					
$K$ , Btu/(hr)(ft <sup>2</sup> )(F)/ft.	76 (at 77°F)																					
$\alpha$ , 10 <sup>-6</sup> in./in./F	12.9 (68° to 212°F)																					

<sup>a</sup> For the stress relieved temper -T851, all values for the -T6 temper apply with the exception of  $F_{CY}$ . Applicable  $F_{CY}$  values are as follows:

Thickness (in.)	Direction of test	$F_{CY}$ (A values)
0.250-0.499	L	62
0.500-2.000	L	64
2.001-2.500	L	60
2.501-3.000	L	58

<sup>b</sup> These values except in the ST direction have been adjusted to include the influence of the 1 1/2% per side nominal cladding thickness.

<sup>c</sup> See Table 8.1.1.1.1.

7075 ALUMINUM ALLOY (EXTRUSIONS, FORGINGS, BAR, ROD, WIRE)

Table B2. 17 Design Mechanical and Physical Properties of 7075 Aluminum Alloy (Extrusions)

Alloy	7075													
	Extrusions (rod, bars, and shapes)													
	-T6*													
Condition	<20													
Cross-sectional area, in. <sup>2</sup>	Up to 0.249		0.250-0.499		0.500-0.749		0.750-1.499		1.500-2.999		>20, <32		>32	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B
Thickness <sup>b</sup> , in.	78		85		81		85		81		81		81	
Mechanical properties:	76		79		73		75		66		62		64	
$F_{tu}$ , ksi	70		77		72		76		72		71		73	
$F_{tu}$ , ksi	64		66		63		64		56		54		56	
$F_{cu}$ , ksi	71		74		73		77		72		72		72	
$F_{bru}$ , ksi	71		78		73		77		72		75		72	
$F_{bru}$ , ksi	43		47		45		47		45		45		44	
$F_{bru}$ , ksi	101		102		97		102		97		97		94	
$F_{bru}$ , ksi	125		136		130		136		130		122		117	
$F_{bru}$ , ksi	91		85		79		84		79		78		80	
$F_{bru}$ , ksi	98		102		101		106		101		92		91	
$\epsilon$ , percent	7		8		7		8		7		7		6	
$\epsilon$ , percent	5		5		4		3		1		1		1	
$E$ , 10 <sup>6</sup> psi	10.3													
$E_c$ , 10 <sup>6</sup> psi	10.5													
$G$ , 10 <sup>6</sup> psi	3.9													
Physical properties:	0.101													
$\omega$ , lb/in. <sup>3</sup>	0.23 (at 212°F)													
$C$ , Btu/(lb)(F)	76 (at 77°F)													
$K$ , Btu/(hr)(ft <sup>2</sup> )(F)/ft]	12.9 (68° to 212°F)													
$\alpha$ , 10 <sup>-6</sup> in./in./F														

\* For the stress relieved tempers -T6510 and -T6511, all values for the -T6 temper apply, with the exception of  $F_{cu}$ -L. Applicable  $F_{cu}$  values are listed below:

Thickness (in.)	Area (sq. in.)	Direction of Test	$F_{cu}$ (A values)	$F_{cu}$ (A values)
<0.249	<20	L	70	70
0.250-0.749	3.000-4.499	L	72	66
0.750-1.499	4.500-5.000	L	71	65

<sup>b</sup> For extrusions with outstanding legs, the load carrying ability of such legs shall be determined on the basis of the properties of the appropriate column corresponding to the leg thickness.