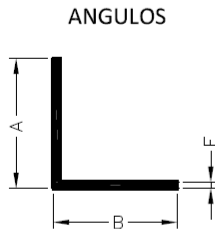




NORMALIZADOS

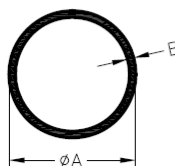
ACTUALIZACIÓN 06-06-2013



ANGULOS

	A	B	E	PESO TEÓRICO	PERÍMETRO
	15	15	1.50	0.113	58
	20	15	1.15	0.119	79
(NUEVO)	20	15	2.00	0.178	69
	20	20	1.15	0.119	79
	20	20	1.30	0.135	79
	20	20	1.50	0.154	78
	20	20	2.00	0.205	79
	25	15	1.40	0.146	79
	25	25	1.30	0.170	99
	25	25	2.00	0.259	99
	25	25	3.00	0.380	99
	30	30	1.15	0.181	119
	30	30	1.30	0.205	119
	30	30	1.50	0.235	118
	30	30	2.00	0.313	119
	40	20	1.30	0.205	119
	40	20	2.00	0.313	120
	40	30	3.00	0.543	139
	40	40	1.30	0.275	159
	40	40	2.00	0.421	159
	40	40	4.00	0.821	159
	42	30	1.70	0.321	159
	50	16	3.00	0.510	131
	50	20	2.00	0.367	139
	50	30	1.50	0.318	159
	50	45	2.00	0.502	189
	50	50	1.50	0.397	198
	50	50	2.00	0.529	199
	50	50	3.00	0.785	199
	50	50	4.50	1.160	199
	50	50	5.00	1.282	200
	53	25	2.00	0.410	155
	60	15	1.50	0.297	149
	60	20	2.00	0.421	159
	60	40	1.40	0.373	199
	60	40	4.00	1.037	199
	60	60	1.50	0.478	239
	70	52	3.00	0.963	243
	70	70	4.00	1.469	279
	80	40	1.50	0.481	239
	80	40	2.00	0.637	240
	80	40	3.00	0.948	239
	81.30	81.30	1.30	0.565	339
	100	50	9.25	3.515	299
	100	100	10.0	5.130	399
	110	30	1.50	0.559	278
	120	40	3.00	1.272	319
(NUEVO)	150	150	8.00	6.304	598
	155	42	5.00	2.591	393
	180	45	4.00	2.177	446
	220	55	3.5/4.0	2.663	546

TUBOS REDONDOS



	A	B	PESO TEÓRICO	PERÍMETRO
	10.00	1.00	0.076	57
	10.00	1.20	0.090	55
	11.00	1.50	0.121	82
	13.00	1.20	0.120	74
	14.00	1.00	0.111	119
	16.00	4.60	0.446	71
	18.00	1.50	0.211	103
	18.50	1.35	0.197	108
	18.60	1.40	0.192	109
	19.00	2.00	0.289	107
	20.00	1.00	0.162	119
	20.00	1.30	0.206	118

continua en siguiente página

Por favor, antes de realizar sus pedidos soliciten plano del perfil para comprobación de radios.

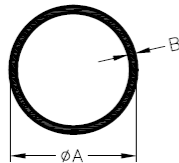


NORMALIZADOS

ACTUALIZACIÓN 06-06-2013

continuación de pagina anterior

TUBOS REDONDOS



A	B	PESO TEÓRICO	PERÍMETRO
20.00	4.90	0.626	95
22.00	1.25	0.220	130
22.00	1.50	0.262	129
22.00	2.00	0.340	126
22.00	4.90	0.710	107
22.00	6.00	0.815	100
22.50	1.00	0.184	135
25.00	1.30	0.261	149
25.00	1.50	0.297	147
25.00	2.00	0.397	145
25.00	2.50	0.477	142
25.00	3.00	0.560	138
25.40	3.25	0.610	139
27.00	1.00	0.221	164
28.00	1.00	0.229	170
30.00	1.50	0.363	179
30.00	2.00	0.475	176
30.00	7.50	1.431	141
31.70	4.70	1.076	170
31.75	3.25	0.786	179
32.00	1.65	0.424	191
34.00	1.50	0.413	204
35.00	1.50	0.426	211
40.00	1.50	0.489	242
40.00	2.60	0.823	235
40.00	5.00	1.484	220
41.50	2.50	0.826	245
42.00	4.00	1.291	239
42.50	4.75	1.521	238
48.00	3.00	1.150	283
48.00	4.00	1.482	278
48.40	4.47	1.666	276
48.50	1.50	0.597	295
50.00	1.40	0.578	305
50.00	1.50	0.617	305
50.00	2.00	0.815	302
50.00	3.50	1.380	292
51.00	2.00	0.832	308
51.50	3.00	1.234	305
51.50	21.90	5.499	186
55.00	6.00	2.495	308
60.00	1.40	0.697	368
60.00	3.00	1.450	358
60.00	3.50	1.677	355
60.00	5.00	2.333	345
62.00	2.00	1.018	377
64.00	6.00	2.951	364
70.00	6.00	3.256	402
70.00	8.50	4.434	387
70.00	16.50	7.488	336
80.00	1.50	0.999	493
86.00	7.00	4.691	496
90.00	5.00	3.605	534
100.50 ^(*)	1.18	0.859	624
101.60 ^(*)	1.12	0.955	631
112.00 ^(*)	1.20	1.128	696
120.00	8.00	7.600	704
127.00 ^(*)	1.23	1.312	790
132.00 ^(*)	1.25	1.386	822
210.00	5.00	8.694	1288
162.60	5.00	6.684	990

^(*) TUBOS REDONDOS ESPECIALES

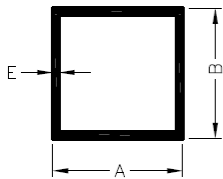
Por favor, antes de realizar sus pedidos soliciten plano del perfil para comprobación de radios.



NORMALIZADOS

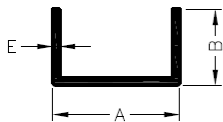
ACTUALIZACIÓN 06-06-2013

TUBOS CUADRADOS



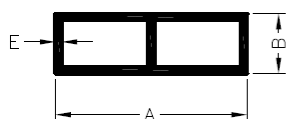
A	B	E	PESO TEÓRICO	PERÍMETRO
20	20	1.30	0.262	148
21.5	21.5	3.00	0.551	136
25	25	2.00	0.489	180
28	28	3.00	0.775	191
30	30	2.00	0.597	219
35	35	1.80	0.645	265
40	40	1.30	0.543	309
40	40	1.50	0.621	307
40	40	2.00	0.821	303
40	40	3.00	1.198	296
60	60	1.30	0.823	469
75	75	1.50	1.191	587
80	80	1.40	1.188	628
80	80	4.00	3.272	605
100	100	2.00	2.117	783
100	100	4.00	4.147	767
125	125	2.50	3.307	979

PERFILES DE "U"



A	B	E	PESO TEÓRICO	PERÍMETRO
12.00	28.00	2.00	0.335	130
12.60	12.10	1.20	0.105	74
13.00	10.00	1.50	0.122	62
14.30	20.00	0.85	0.121	107
16.00	12.50	1.50	0.153	78
17.65	20.00	0.80	0.121	114
18.80	12.50	1.50	0.165	83
18.80	14.00	1.20	0.143	90
20.00	20.00	1.30	0.202	117
25.00	15.00	2.00	0.273	104
27.50	20.00	1.30	0.227	132
30.00	121.0	6.00	4.223	529
30.50	40.00	2.70	0.767	215
32.40	21.80	1.50	0.294	147
34.70	25.50	1.80	0.397	166
36.00	24.00	3.00	0.631	161
38.50	52.00	3.00	1.105	278
40.00	30.00	3.5/2.5	0.719	188
40.00	40.00	4.00	1.210	231
40.00	121.0	6.00	4.385	549
43.00	27.00	3.00	0.737	187
46.80	43.00	3.0/3.5	1.082	257
50.00	30.00	2.00	0.572	215
50.00	30.00	3.00	0.842	213
52.00	70.00	3.00	1.506	243
60.00	40.00	4.00	1.426	271
76.00	50.00	4.00	1.814	343
100.0	50.00	5.00	2.565	389
100.0	121.0	8.00	7.052	664
102.0	60.60	5.00	3.629	511

TUBOS CON TABIQUE CENTRAL

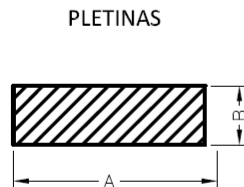


A	B	E	PESO TEÓRICO	PERÍMETRO
50	10	1.00	0.333	243
80	15.80	1.00	0.591	396
100	20	1.30	0.894	500
100	20	1.50	1.015	498
120	25	1.55	1.283	601
120	28	1.30	1.109	629
150	18	1.30	1.215	689
190	18.60	1.70	1.954	846



NORMALIZADOS

ACTUALIZACIÓN 06-06-2013

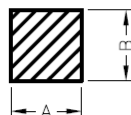


A	B	PESO TEÓRICO	PERÍMETRO
8	5	0.108	25
10	3	0.081	25
10	8	0.216	35
15	3	0.121	36
16	3	0.130	37
16	6	0.259	43
16	8	0.346	47
17	5.50	0.251	44
20	2	0.107	43
20	3	0.162	45
20	4	0.216	47
20	5	0.270	49
20	10	0.540	60
22	1.50	0.089	46
25	2.50	0.167	54
30	15	1.215	89
34.90	4.90	0.462	78
40	4	0.432	88
40	10	1.075	97
40	15	1.620	109
41	2	0.221	85
49.65	1.45	0.194	101
50	2	0.270	104
55	15	2.228	139
60	3	0.486	126
60	15	2.430	145
64	5	0.864	137
70	5	0.945	149
80	5	1.080	170
85	20	4.589	209
87	8	1.879	190
90	2.70	0.656	185
95	15	3.848	219
100	5	1.350	209
100	15	4.050	229
150	10	4.050	319
200	10	5.400	420
200	15	8.100	429
200	25	13.500	450
220	4	2.374	447



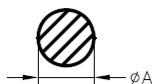
A	B	PESO TEÓRICO	PERÍMETRO
40	5	0.526	86
50	10	1.292	111
85	25	5.375	199

MACIZOS ESPECIALES



A	B	PESO TEÓRICO	PERÍMETRO
25	25	1.685	98
30	30	2.430	119
40	40	4.320	160

REDONDOS MACIZOS



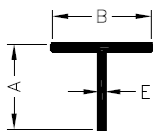
A	PESO TEÓRICO	PERÍMETRO
6	0.076	19
8	0.135	25
12	0.305	38
20	0.848	63
26	1.434	82
30	1.909	94
50.80	5.473	160



NORMALIZADOS

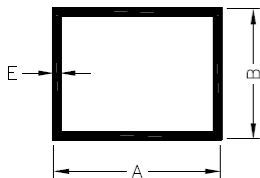
ACTUALIZACIÓN 06-06-2013

PERFILES DE "T"



A	B	E	PESO TEÓRICO	PERÍMETRO
20	20	2.00	0.205	79
20	40	2.00	0.313	119
24	24	1.35	0.170	96
50	50	5.00	1.282	199
50	100	2.00	0.799	299
60	40	2.50	0.678	199
60	100	2.50	1.115	319
70	70	2.00	0.749	277
100	110	2.50	1.400	419

TUBOS RECTANGULARES



A	B	E	PESO TEÓRICO	PERÍMETRO
17.50	10.00	1.30	0.174	99
20	10.00	1.30	0.191	109
25.20	8.20	1.50	0.246	121
27.7	21.50	1.50	0.374	184
30	15.00	1.30	0.297	169
30	15.00	2.00	0.435	159
30	20.00	1.30	0.332	189
31	22.50	1.30	0.356	204
33	22.00	2.50	0.679	198
38	25.00	2.00	0.635	233
40	10.00	1.30	0.332	188
40	15.00	2.00	0.435	159
40	20.00	1.30	0.402	229
40	20.00	1.50	0.462	227
40	28.00	2.50/3.00	0.913	248
40	30.00	2.50/2.00	0.810	261
40	30.00	2.00	0.712	264
42	27.00	2.50	0.850	252
45	35.00	2.00	0.820	304
47.50	42.50	2.00	0.928	344
50	20.00	1.50	0.542	267
50	25.00	1.35	0.527	288
50	30.00	2.00	0.820	304
60	20.00	1.30	0.543	309
60	20.00	2.00	0.821	303
60	30.00	1.50	0.705	348
60	40.00	1.30	0.683	389
60	40.00	2.00	1.037	383
60	50.00	3.00	1.685	415
67	38.00	2.00	1.091	403
70	20.00	1.30	0.613	349
75	40.00	1.50	0.907	447
80	20.00	1.40	0.734	388
80	38.00	2.00	1.231	455
80	40.00	1.40	0.887	468
80	40.00	2.00	1.253	463
80	50.00	2.00	1.360	503
90	19.00	1.50	0.859	423
100	20.00	1.30	0.824	469
100	20.00	1.50	0.948	467
100	40.00	1.40	1.037	548
100	45.00	1.40	1.112	588
114.30	44.30	3.00	2.472	609
120	40.00	1.50	1.272	627
120	60.00	2.00	1.901	703
120	80.00	3.00	3.143	776
120	120.00	2.00	2.549	943
121	20.00	3.00	2.190	538
123	75.00	2.00	2.093	774
125	50.00	4.60	4.117	663
145	40.00	2.00	1.666	725
200	40.00	3.00	3.789	928
200	80.00	2.50	3.712	1099