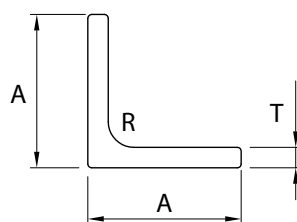
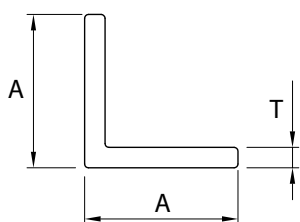


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## Equal Angles Group 1.1.1



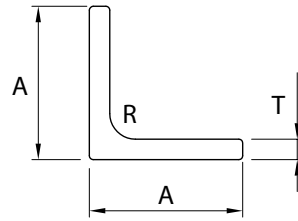
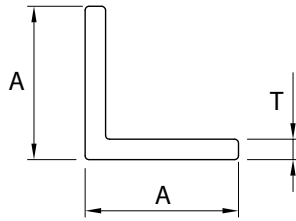
SECTION NO	A	T	R	MASS kg/m	OUTSIDE PERM
36795	10.00	1.60		0.080	39.57
9322	12.00	1.50		0.091	48.00
6421	12.00	1.65		0.100	48.00
5968	12.00	3.00		0.170	48.00
33389	12.00	1.60		0.097	48.00
0278	12.70	1.57		0.101	50.80
5003	12.70	3.00		0.182	50.80
5766	15.00	1.50		0.115	60.00
G466	16.00	1.60		0.132	64.00
5969	16.00	3.00		0.235	64.00
0279	19.05	1.57		0.155	76.20
5004	19.05	3.00		0.285	76.20
6651	20.00	1.20		0.125	80.00
9324	20.00	1.50		0.156	80.00
5512	20.00	1.60		0.167	80.00
5972	20.00	3.00		0.300	80.00
9327	25.00	1.50		0.196	100.00
5510	25.00	1.60		0.210	100.00
5973	25.00	3.00		0.381	100.00
6751	25.40	2.30		0.301	101.60
5005	25.40	3.00		0.389	101.60
5011	25.40	4.50		0.565	100.60
1277	25.40	4.75	4.57	0.607	99.64
5014	25.40	6.00		0.703	101.60
5661	31.75	1.60	3.00	0.273	127.00
5006	31.75	3.00		0.492	127.00
0502	31.75	3.18	5.08	0.533	124.80
0572	31.75	4.75		0.753	127.00
K014	32.00	1.50		0.254	128.00

SECTION NO	A	T	R	MASS kg/m	OUTSIDE PERM
33388	32.00	3.00		0.496	128.00
8954	35.00	2.00		0.367	140.00
3779	38.00	1.60		0.321	152.00
33401	38.00	2.30		0.459	152.00
5007	38.10	3.00		0.595	152.40
0657	38.10	3.18		0.627	152.40
5012	38.10	4.50		0.871	152.40
2616	38.10	4.75		0.916	152.40
0284	38.10	4.75	5.33	0.933	150.10
9331	40.00	1.50		0.318	160.00
5975	40.00	1.60		0.333	160.00
5976	40.00	3.00		0.624	160.00
N346	40.00	4.00	3.00	0.827	157.90
K129	40.00	4.00		0.824	160.00
9530	40.00	6.00		1.199	160.00
1182	44.45	6.35		1.414	177.80
9333	50.00	1.50		0.399	200.00
6484	50.00	1.60		0.425	200.00
5977	50.00	3.00		0.786	200.00
J792	50.00	4.00		1.040	200.00
8518	50.00	6.00		1.523	200.00
5580	50.00	9.00		2.220	200.00
33041	50.00	4.50		1.165	199.57
33318	50.00	5.80		1.481	200.00
38585	50.80	3.18	6.35	0.861	196.80
5013	50.80	4.50		1.180	203.20
1338	50.80	4.75		1.242	203.20
0505	50.80	4.75	6.10	1.265	200.60
5016	50.80	6.00		1.549	203.20
2303	50.80	6.35		1.633	203.20
0285	50.80	6.35	6.10	1.661	200.58
9743	60.00	3.00		0.948	240.00



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## Equal Angles Group 1.1.2

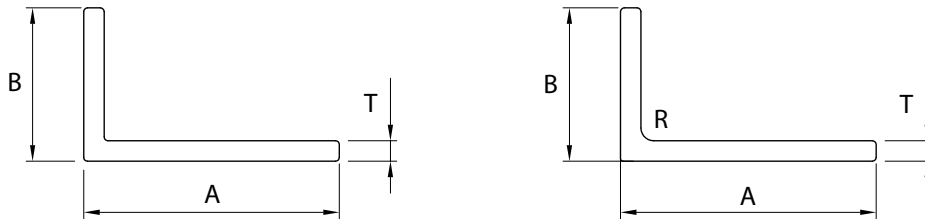


SECTION NO	A	T	R	MASS kg/m	OUTSIDE PERM
9780	60.00	6.00		1.847	239.50
1033	63.50	5.00	7.00	1.675	251.00
5017	63.50	6.00		1.960	254.00
0692	63.50	6.35	6.86	2.098	251.20
30543	75.00	6.00		2.341	300.00
33387	75.00	3.00		1.195	300.00
3914	76.00	9.50	7.00	3.683	301.00
5009	76.20	3.00		1.210	304.80
5645	76.20	4.50		1.797	304.80
5018	76.20	6.00		2.372	304.80
0568	76.20	6.35	7.62	2.538	301.50
5424	76.20	9.00		3.485	304.80
9744	80.00	6.00		2.495	320.00
38601	80.00	3.00		1.276	319.23
N736	80.00	10.00	6.00	4.086	317.42
30982	80.00	10.00	6.00	4.086	317.42
1027	88.90	6.35	8.38	2.980	352.00
1026	88.90	9.53	8.38	4.371	352.00
38602	100.00	3.00		1.601	399.23
31708	100.00	6.00		3.154	400.00
34044	100.00	6.00		3.154	400.00
1025	101.60	6.35	9.14	3.423	402.50
1651	101.60	7.92	9.14	4.224	402.50
1908	101.60	9.53	9.14	5.055	402.48
X788	110.00	10.00	6.00	5.694	432.27
35378	150.00	10.00	6.00	7.877	595.28



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## Unequal Angles Group 1.1.3

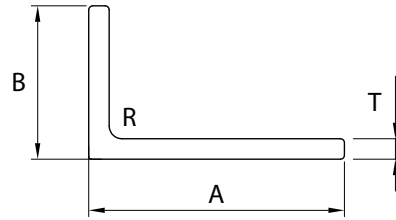
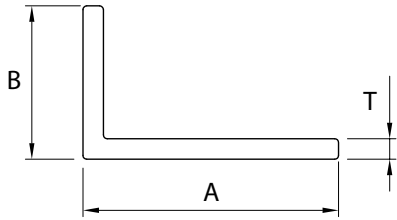


SECTION NO	A	B	T	R	MASS kg/m	OUTSIDE PERM
2614	19.05	9.53	1.27		0.094	57.16
2673	19.05	12.70	1.57		0.129	63.50
9323	20.00	12.00	1.50		0.124	64.00
5514	20.00	12.00	1.60		0.132	64.00
5970	20.00	12.00	3.00		0.235	64.00
9325	25.00	12.00	1.50		0.144	74.00
5513	25.00	12.00	1.60		0.154	73.00
5971	25.00	12.00	3.00		0.275	74.00
9352	25.00	19.00	1.20		0.139	88.00
5669	25.00	19.00	1.50		0.172	88.00
5508	25.00	19.00	2.50		0.281	88.00
9326	25.00	20.00	1.50		0.176	90.00
5511	25.00	20.00	1.60		0.188	90.00
35590	25.00	20.00	2.50		0.288	90.00
J074	25.00	20.00	3.00		0.341	90.00
1181	25.40	19.05	6.35		0.653	88.90
30999	30.00	15.00	3.00		0.341	90.00
5931	30.00	25.00	2.00	1.00	0.286	109.57
32953	30.00	15.00	1.20		0.142	90.00
0460	32.00	19.00	3.00		0.388	102.00
Z077	32.00	20.00	1.20	0.20	0.166	39.80
9328	32.00	20.00	1.50		0.205	104.00
5727	32.00	20.00	1.60		0.218	104.00
6107	32.00	20.00	2.50		0.334	104.00
35591	32.00	25.00	2.50		0.369	114.00
5974	32.00	25.00	3.00		0.437	114.00
6670	38.00	19.00	1.60		0.239	114.00
3324	38.00	25.00	3.00		0.486	128.00
K617	38.00	25.00	2.30		0.378	126.00
1649	38.10	12.70	1.63		0.217	101.60
2781	38.10	12.70	3.18		0.411	101.60



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## Unequal Angles Group 1.1.4

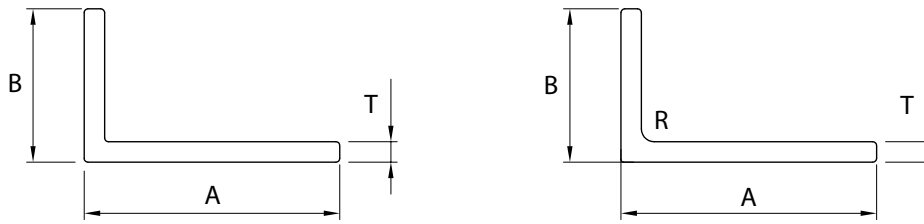


SECTION NO	A	B	T	R	MASS kg/m	OUTSIDE PERM
7084	40.00	12.00	1.50		0.205	104.00
9745	40.00	12.00	3.00		0.397	104.00
9329	40.00	20.00	1.50		0.237	120.00
8459	40.00	20.00	1.60		0.252	120.00
6076	40.00	20.00	3.00		0.462	120.00
9330	40.00	25.00	1.50		0.257	130.00
5509	40.00	25.00	1.60		0.275	130.00
8517	40.00	25.00	3.00		0.502	130.00
34569	43.00	31.00	3.00		0.577	148.00
6854	44.00	25.00	1.60		0.291	138.00
J426	50.00	12.00	3.00		0.480	124.00
J456	50.00	20.00	1.50		0.278	140.00
31043	50.00	20.00	3.00		0.545	140.00
9332	50.00	25.00	1.50		0.298	150.00
5903	50.00	25.00	1.60		0.317	150.00
5323	50.00	25.00	3.00		0.585	150.00
N732	50.00	40.00	3.00		0.707	180.00
1787	50.00	25.00	3.00	5.00	0.598	148.00
3306	50.80	19.05	1.63		0.298	139.70
3920	50.80	19.05	3.18	5.08	0.587	137.50
0734	50.80	38.10	4.78		1.086	177.80
9753	60.00	25.00	3.00		0.664	170.00
5845	60.00	40.00	1.50		0.399	200.00
35846	60.00	41.00	4.00	0.30	1.051	201.36
6948	63.00	38.00	4.76		1.237	202.00
0526	63.50	25.40	3.18	5.84	0.753	190.50
J043	63.50	38.10	4.00		1.061	203.20
9334	70.00	25.00	1.50		0.379	190.00
6428	70.00	25.00	1.60		0.403	190.00
Z489	70.00	40.00	1.50		0.441	220.00
Z965	70.00	40.00	1.60		0.470	220.00
J105	70.00	40.00	2.00		0.585	220.00



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## Unequal Angles Group 1.1.5



SECTION NO	A	B	T	R	MASS kg/m	OUTSIDE PERM
9586	75.00	25.00	2.50		0.658	200.00
30193	75.00	25.00	3.00		0.789	200.00
6788	75.00	50.00	3.00		0.988	250.00
35999	75.00	50.00	6.00		1.935	249.48
2313	76.20	25.40	3.18		0.845	203.20
1658	76.20	50.80	4.75	6.86	1.601	251.06
2386	76.20	50.80	6.35		2.085	254.00
0562	76.20	50.80	6.35	6.86	2.143	254.00
9781	80.00	20.00	3.00		0.786	199.50
E918	80.00	40.00	5.00		1.558	240.00
34033	80.00	40.00	3.00		0.951	240.00
32252	85.00	60.00	4.00		1.528	290.00
6820	88.00	25.00	3.00		0.894	226.00
30524	90.00	40.00	1.50		0.522	260.00
32095	90.00	25.00	6.00		1.772	230.00
34414	90.00	60.00	6.00		2.341	300.00
1363	95.25	25.40	3.18		1.012	241.30
8266	100.00	25.00	3.00		0.992	250.00
37161	100.00	50.00	4.00		1.583	300.00
E927	100.00	50.00	6.00		2.341	300.00
34458	100.00	50.00	6.00	4.00	2.348	296.14
30252	100.00	75.00	8.00		3.621	350.00
33066	100.00	50.00	3.00		1.195	300.00
4193	101.60	50.80	6.18	8.12	2.564	301.30
2377	101.60	50.80	6.35		2.504	304.80
1122	101.60	50.80	9.53	6.62	3.710	301.50
Z966	110.00	40.00	1.60		0.643	300.00
E752	110.00	50.00	4.00		1.691	320.00
9782	125.00	50.00	3.00		1.393	349.50
35337	125.00	50.00	6.00	4.00	2.754	346.14
32716	125.00	55.00	5.00		2.371	360.00
8713	150.00	120.00	10.00	10.00	7.077	535.00
33919	150.00	75.00	6.00		3.561	450.00
39126	150.00	75.00	8.00		4.704	449.23
35378	150.00	150.00	10.00	6.00	7.877	595.28
36519	100.00	75.00	4.00		1.853	349.36
2601	152.40	76.20	6.35		3.810	457.20
33378	200.00	100.00	10.00	6.00	7.880	597.42