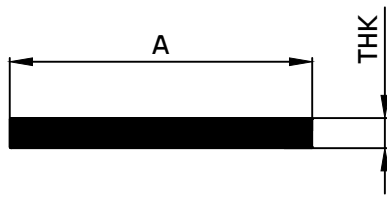


STANDARD PROFILE


FLAT

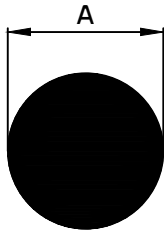
Reference	Inertial Moment	Denomination	A mm	THK. mm	Profile Weight gr/m
	I_x (cm.4) I_y (cm.4)				
90015	0.0017 0.012	REC/OVAL-SHAPE-SOLIDBAR 9 mm X 3.5 mm	9	3.5	64.64
99000	0.17 0.17	SQUARE-SHAPE-SOLIDBAR 12 mm X 12 mm	12	12	388.80
90016	0.0027 0.0398	REC/OVAL-SHAPE-SOLIDBAR 13 mm X 3.5 mm	13	3.5	97.65
* 90026	0.0036 0.10	FLAT 16 mm X 3 mm	16	3	129.00
90000	0.0044 0.19	FLAT 20 mm X 3 mm	20	3	161.79
92400	34.19 29.81	FLAT-SQ-BAR 20 mm X 20 mm	20	20	1084.00
90018	0.0056 0.39	FLAT 25 mm X 3 mm	25	3	202.50
90002	0.01 0.52	FLAT 25 mm X 4 mm	25	4	270.40
* 90027	0.0020 0.45	FLAT 30 mm X 2 mm	30	2	162.00
90019	0.0067 0.67	FLAT 30 mm X 3 mm	30	3	243.00
90004	0.02 0.89	FLAT 30 mm X 4 mm	30	4	323.42
90020	0.0026 1.06	FLAT 40 mm X 2 mm	40	2	216.00
90005	0.01 1.59	FLAT 40 mm X 3 mm	40	3	323.79
90006	0.02 2.12	FLAT 40 mm X 4 mm	40	4	431.42
90022	0.04 2.66	FLAT 40 mm X 5 mm	40	5	540.00



STANDARD PROFILE


FLAT

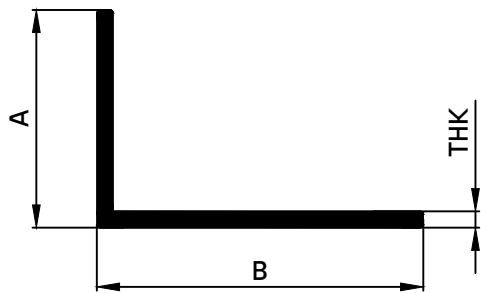
Reference	Inertial Moment  I_x (cm ⁴) I_y (cm ⁴)	Denomination	A mm	THK. mm	Profile Weight (gr/m)
90008	0.01 3.11	FLAT 50 mm X 3 mm	50	3	404.42
90009	0.02 4.15	FLAT 50 mm X 4 mm	50	4	539.42
90011	0.41 10.41	FLAT 50 mm X 10 mm	50	10	1355.00
* 90028	0.42 66.66	FLAT 100 mm X 8 mm	100	8	2160.00
90012	0.83 83.31	FLAT 100 mm X 10 mm	100	10	2699.79
90013	0.27 168.71	FLAT 150 mm X 6 mm	150	6	2429.79
90014	0.63 224.96	FLAT 150 mm X 8 mm	150	8	3239.79



STANDARD PROFILE


ROUND

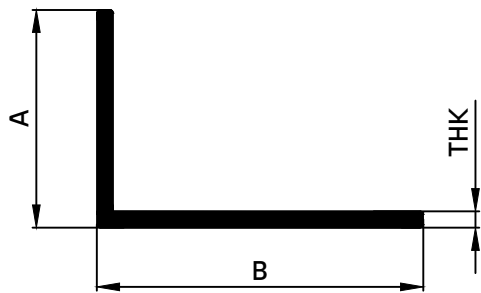
Reference	Inertial Moment  Ix (cm.4) Iy (cm.4)	Denomination	A mm	Profile Weight (gr/m)
91003	0.05 0.05	ROUND DIA. 10 mm	10	212.05
91004	0.10 0.10	ROUND DIA. 12 mm	12	305.36
91006	0.65 0.65	ROUND DIA. 19.05 mm	19.05	769.56
91009	2.04 2.04	ROUND DIA. 25 mm	25	1368.11
91012	4.99 4.99	ROUND DIA. 31.75 mm	31.75	2137.67
91013	10.34 10.34	ROUND DIA. 38.10 mm	38.10	3078.24
91014	32.69 32.69	ROUND DIA. 50.80 mm	50.80	5472.44
* 91015	44.91 44.91	ROUND DIA. 55 mm	55	6438.49
* 91016	63.61 63.61	ROUND DIA. 60 mm	60	7634.07



STANDARD PROFILE


UNEQUAL ANGLE

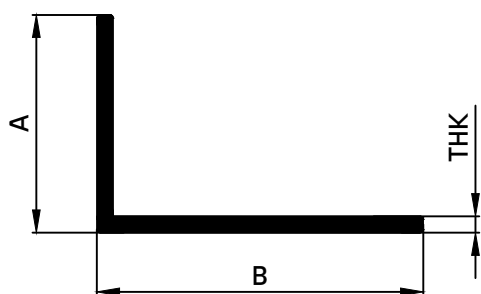
Reference	Inertial Moment  Ix (cm.4) Iy (cm.4)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
* 93056	0.19 0.28	UNEQUAL ANGLE 15 mm X 19 mm x 1.85 mm	15	19	1.85	160.56
* 93057	0.14 0.22	UNEQUAL ANGLE 15 mm X 20 mm x 1.2 mm	15	20	1.2	109.51
* 93058	0.16 0.27	UNEQUAL ANGLE 15 mm X 20 mm x 1.5 mm	15	20	1.5	135.67
93501	0.20 0.34	UNEQUAL ANGLE 15 mm X 20 mm x 2 mm	15	20	2	178.71
* 93059	0.45 0.53	UNEQUAL ANGLE 20 mm X 22 mm x 2 mm	20	22	2	216.00
* 93060	0.31 0.53	UNEQUAL ANGLE 18 mm X 25 mm x 1.5 mm	18	25	1.5	168.07
* 93061	0.33 0.47	UNEQUAL ANGLE 20 mm X 25 mm x 1.2 mm	20	25	1.2	141.91
* 93062	0.31 0.12	UNEQUAL ANGLE 14 mm X 30 mm X 3 mm	14	30	3	332.10
* 93063	0.30 0.68	UNEQUAL ANGLE 18 mm X 30 mm X 1.2 mm	18	30	1.2	151.63
* 93065	0.38 0.13	UNEQUAL ANGLE 18 mm X 40 mm X 1.2 mm	18	40	1.2	184.03
93505	0.46 0.89	UNEQUAL ANGLE 20 mm X 30 mm x 1.5 mm	20	30	1.5	196.16
* 93064	0.58 0.11	UNEQUAL ANGLE 20 mm X 30 mm X 2 mm	20	30	2	259.20
93088	0.67 1.69	UNEQUAL ANGLE 20 mm X 35 mm X 2 mm	20	35	2	286.20
93067	0.41 0.12	UNEQUAL ANGLE 20 mm X 40 mm x 1 mm	20	40	1	159.00
93508	0.75 2.36	UNEQUAL ANGLE 20 mm X 40 mm x 2mm	20	40	2	313.20



STANDARD PROFILE


UNEQUAL ANGLE

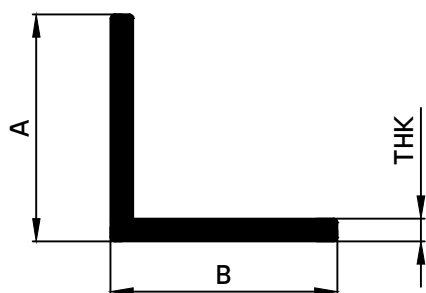
Reference	Inertial Moment  Ix (cm.4) Iy (cm.4)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
93518	1.20 4.21	UNEQUAL ANGLE 20 mm X 40 mm x 4 mm	20	40	4	604.8
* 93068	0.26 0.65	UNEQUAL ANGLE 25 mm X 40 mm x 6 mm	25	40	6	955.80
* 93069	0.72 3.19	UNEQUAL ANGLE 20 mm X 50 mm x 1.5 mm	20	50	1.5	277.42
93516	2.10 6.76	UNEQUAL ANGLE 25 mm X 50 mm x 3 mm	25	50	3	585.36
* 93070	0.67 4.81	UNEQUAL ANGLE 18 mm X 60 mm x 1.5 mm	18	60	1.5	309.82
93089	4.71 15.36	UNEQUAL ANGLE 30 mm X 60 mm x 4 mm	30	60	4	928.80
* 93071	5.25 9.99	UNEQUAL ANGLE 40 mm X 60 mm x 2 mm	40	60	2	529.20
93083	18.50 9.42	UNEQUAL ANGLE 40 mm X 60 mm x 4 mm	40	60	4	1036.80
* 93072	0.77 7.19	UNEQUAL ANGLE 18 mm X 70 mm x 1.5 mm	18	70	1.5	350.32
93513	15.07 28.82	UNEQUAL ANGLE 50 mm X 75 mm x 3 mm	50	75	3	987.93
* 93073	0.87 10.21	UNEQUAL ANGLE 18 mm X 80 mm x 1.5 mm	18	80	1.5	390.82
93074	12.02 37.88	UNEQUAL ANGLE 40 mm X 80 mm x 4 mm	40	80	4	1252.80
93085	60.06 37.43	UNEQUAL ANGLE 60 mm X 80 mm x 5 mm	60	80	5	1822.50
* 93075	0.97 13.96	UNEQUAL ANGLE 18 mm X 90 mm x 1.5 mm	18	90	1.5	431.32
* 93076	0.97 13.95	UNEQUAL ANGLE 18 mm X 100 mm x 1.7 mm	18	100	1.7	533.81



STANDARD PROFILE

UNEQUAL ANGLE

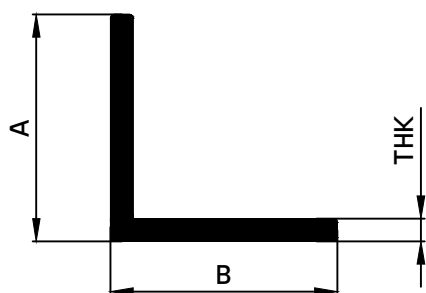
Reference	Inertial Moment  Ix (cm.4) Iy (cm.4)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
93077	29.33 92.47	UNEQUAL ANGLE 50 mm X 100 mm x 5 mm	50	100	5	1957.50
93515	33.70 108.38	UNEQUAL ANGLE 50 mm X 100 mm x 6 mm	50	100	6	2332.59
* 93078	1.42 34.17	UNEQUAL ANGLE 18 mm X 120 mm x 1.7 mm	18	120	1.7	625.61
93084	177.52 56.82	UNEQUAL ANGLE 60 mm X 120 mm x 5.5 mm	60	120	5.5	2591.32
* 93079	337.51 557.34	UNEQUAL ANGLE 100 mm X 135 mm x 10 mm	100	135	10	6075.00
* 93080	39.52 216.89	UNEQUAL ANGLE 50 mm X 140 mm x 5 mm	50	140	5	2497.50
* 93081	42.12 258.93	UNEQUAL ANGLE 50 mm X 150 mm x 5 mm	50	150	5	2632.50
* 93082	147.17 938.43	UNEQUAL ANGLE 70 mm X 217 mm X 6 mm	70	217	6	4552.20



STANDARD PROFILE

EQUAL ANGLE

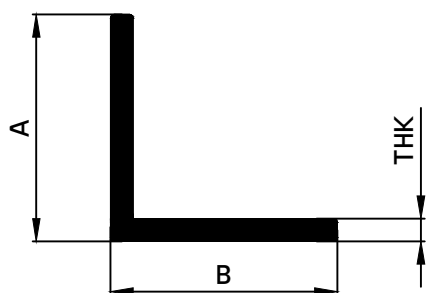
Reference	Inertial Moment  I _x (cm ⁴) I _y (cm ⁴)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
* 93039	0.08 0.08	EQUAL ANGLE 15mm X 15 mm x 0,9 mm	15	15	0.9	70.71
93036	0.09 0.09	EQUAL ANGLE 15mm X 15 mm x 1 mm	15	15	1	78.30
* 93090	0.10 0.10	EQUAL ANGLE 15mm X 15 mm x 1,1 mm	15	15	1.1	85.83
93001	0.13 0.13	EQUAL ANGLE 15mm X 15 mm x 1,5 mm	15	15	1.5	115.60
93042	0.16 0.16	EQUAL ANGLE 15mm X 15 mm x 2 mm	15	15	2	151.20
93002	0.15 0.15	EQUAL ANGLE 20 mm X 20 mm x 1 mm	20	20	1	106.00
* 93043	0.24 0.24	EQUAL ANGLE 20 mm X 20 mm x 1,05 mm	20	20	1.05	110.42
93016	0.27 0.27	EQUAL ANGLE 20 mm X 20 mm X 1,2 mm	20	20	1.2	125.45
93003	0.22 0.22	EQUAL ANGLE 20 mm X 20 mm x 1,5 mm	20	20	1.5	155.66
93004	0.18 0.18	EQUAL ANGLE 20 mm X 20 mm x 2 mm	20	20	2	204.93
93017	0.57 0.57	EQUAL ANGLE 20 mm X 20 mm X 3,2 mm	20	20	3.2	299.70
93038	0.47 0.47	EQUAL ANGLE 25mm X 25 mm x 1 mm	25	25	1	132.30
* 93091	0.68 0.68	EQUAL ANGLE 25 mm X 25 mm x 1,5 mm	25	25	1.5	196.00
93005	0.45 0.45	EQUAL ANGLE 25 mm X 25 mm x 2 mm	25	25	2	258.93
93018	1.19 1.19	EQUAL ANGLE 25 mm X 25 mm X 3 mm	25	25	3	380.43



STANDARD PROFILE

EQUAL ANGLE

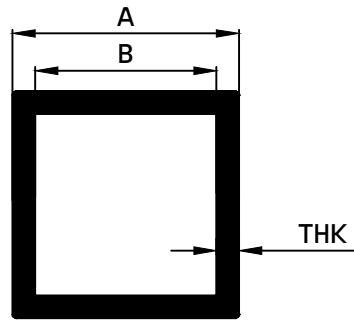
Reference	Inertial Moment	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
	I_x (cm.4) I_y (cm.4)					
93047	0.83 0.83	EQUAL ANGLE 30 mm X 30 mm X 1mm	30	30	1	159.30
93006	0.78 0.78	EQUAL ANGLE 30 mm X 30 mm x 1.5 mm	30	30	1.5	236.66
93007	1.02 1.02	EQUAL ANGLE 30 mm X 30 mm x 2 mm	30	30	2	312.93
93008	1.80 1.80	EQUAL ANGLE 30 mm X 30 mm x 2.4 mm	30	30	2.4	372.98
* 93048	1.86 1.86	EQUAL ANGLE 30 mm X 30 mm x 2.5 mm	30	30	2.5	388.12
93009	1.45 1.45	EQUAL ANGLE 30 mm X 30 mm x 3 mm	30	30	3	461.00
93517	5.71 5.69	EQUAL ANGLE 30 mm X 30 mm x 3.2 mm	30	30	3.2	664.00
93010	1.85 1.85	EQUAL ANGLE 30 mm X 30 mm x 4 mm	30	30	4	604.07
* 93049	1.33 1.33	EQUAL ANGLE 35 mm X 35 mm x 1 mm	35	35	1	186.30
93011	2.35 2.35	EQUAL ANGLE 35 mm X 35 mm x 3mm	35	35	3	542.00
93050	3.99 3.99	EQUAL ANGLE 35 mm X 35 mm x 3.5 mm	35	35	3.5	628.42
93019	4.42 4.42	EQUAL ANGLE 35 mm X 35 mm X 4 mm	35	35	4	713.00
93013	1.28 1.28	EQUAL ANGLE 40 mm X40 mm x 1 mm	40	40	1	213.51
93052	2.39 2.39	EQUAL ANGLE 40 mm X40 mm x 1.2 mm	40	40	1.2	255.31
93044	2.94 2.94	EQUAL ANGLE 40 mm X40 mm x 1.5 mm	40	40	1.5	317.92



STANDARD PROFILE

EQUAL ANGLE

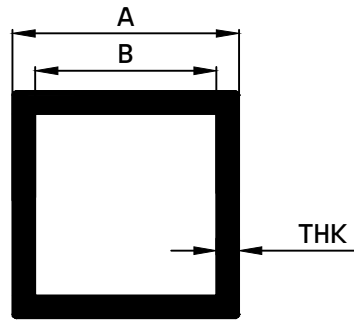
Reference	Inertial Moment		Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
	I_x (cm.4)	I_y (cm.4)					
93014	2.47	2.47	EQUAL ANGLE 40 mm X 40 mm x 2 mm	40	40	2	420.93
93015	3.57	3.57	EQUAL ANGLE 40 mm X 40 mm x 3 mm	40	40	3	623.00
93012	4.60	4.60	EQUAL ANGLE 40 mm X 40 mm x 4 mm	40	40	4	820.07
* 93092	11.83	11.83	EQUAL ANGLE 45 mm X 45 mm x 5 mm	45	45	5	1147.50
* 93053	3.60	3.60	EQUAL ANGLE 50 mm X 50 mm x 0.9 mm	50	50	0.9	240.81
93022	4.90	4.90	EQUAL ANGLE 50 mm X 50 mm x 2 mm	50	50	2	528.93
93024	7.13	7.13	EQUAL ANGLE 50mm X 50mm x 3 mm	50	50	3	784.97
93025	9.25	9.25	EQUAL ANGLE 50mm X 50mm x 4 mm	50	50	4	1036.53
93027	11.23	11.23	EQUAL ANGLE 50mm X 50mm x 5 mm	50	50	5	1281.77
93030	24.78	24.78	EQUAL ANGLE 60 mm X 60 mm X 4 mm	60	60	4	1257.23
93031	19.88	19.88	EQUAL ANGLE 60mm X 60mm x 5 mm	60	60	5	1551.77
93034	37.62	37.62	EQUAL ANGLE 75mm X 75mm x 5 mm	75	75	5	1956.77
* 93055	74.14	74.14	EQUAL ANGLE 80 mm X 80 mm x 5 mm	80	80	5	2092.50
93035	86.51	86.52	EQUAL ANGLE 80 mm X 80 mm x 6 mm	80	80	6	2494.80
* 93093	125.50	74.14	EQUAL ANGLE 90 mm X 90 mm x 6 mm	90	90	6	2818.8



STANDARD PROFILE

SQUARE TUBE

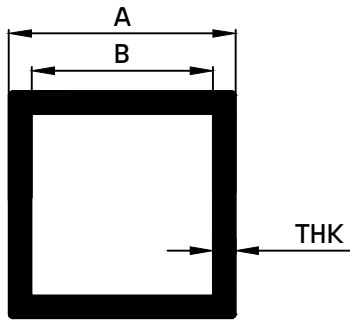
Reference	Inertial Moment I_x (cm.4) I_y (cm.4)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
94061	0.11 0.11	SQUARE TUBE 12.5 mm X 12.5 mm x 1.2 mm	12.5	10.1	1.2	146.44
94034	0.19 0.19	SQUARE TUBE 15 mm X 15 mm x 1.1 mm	15	12.8	1.1	165.13
* 94035	0.24 0.24	SQUARE TUBE 15 mm X 15 mm x 1.5 mm	15	12	1.5	218.70
94060	0.47 0.47	SQUARE TUBE 20 mm X 20 mm x 1.05 mm	20	17.9	1.05	214.00
94036	0.49 0.49	SQUARE TUBE 20 mm X 20 mm x 1.1 mm	20	17.8	1.1	224.53
94000	0.57 0.57	SQUARE TUBE 20 mm X 20 mm x 1.3 mm	20	17.4	1.3	262.33
94037	0.63 0.63	SQUARE TUBE 20 mm X 20 mm x 1.5 mm	20	17	1.5	299.70
94001	0.78 0.78	SQUARE TUBE 20 mm X 20 mm x 2 mm	20	16	2	388.59
94002	1.01 1.01	SQUARE TUBE 20 mm X 20 mm x 3 mm	20	14	3	550.59
* 94038	1.43 1.43	SQUARE TUBE 24 mm X 24 mm x 2 mm	24	20	2	475.20
* 94039	0.84 0.84	SQUARE TUBE 25 mm X 25 mm x 0.9 mm	25	23.2	0.9	234.25
* 94041	0.92 0.92	SQUARE TUBE 25 mm X 25 mm x 1 mm	25	23	1	259.20
* 94042	1.30 1.30	SQUARE TUBE 25 mm X 25 mm x 1.5 mm	25	22	1.5	380.70
94004	1.40 1.40	SQUARE TUBE 25 mm X 25 mm x 1.65 mm	25	21.7	1.65	415.51
94005	1.63 1.63	SQUARE TUBE 25 mm X 25 mm x 2 mm	25	21	2	496.80
94003	2.17 2.17	SQUARE TUBE 25 mm X 25 mm x 3 mm	25	19	3	712.22



STANDARD PROFILE


SQUARE TUBE

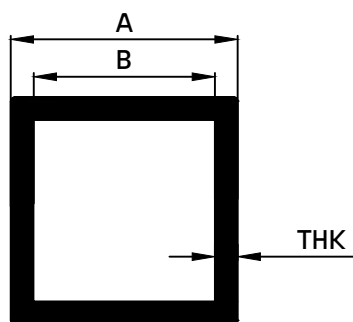
Reference	Inertial Moment I_x (cm.4) I_y (cm.4)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
94008	1.62 1.62	SQUARE TUBE 30 mm X 30 mm x 1 mm	30	28	1	312.99
94007	2.31 2.31	SQUARE TUBE 30 mm X 30 mm x 1.5 mm	30	27	1.5	461.49
94043	2.70 2.70	SQUARE TUBE 30 mm X 30 mm x 1.8 mm	30	26.4	1.8	548.20
94009	2.94 2.94	SQUARE TUBE 30 mm X 30 mm x 2 mm	30	26	2	604.80
94006	3.98 3.98	SQUARE TUBE 30 mm X 30 mm x 3 mm	30	24	3	874.22
* 94044	2.62 2.62	SQUARE TUBE 35 mm X 35 mm x 1 mm	35	33	1	367.20
* 94045	6.61 6.61	SQUARE TUBE 35 mm X 35 mm x 3 mm	35	29	3	1036.80
94010	3.54 3.54	SQUARE TUBE 35 mm X 35 mm x 1.4 mm	35	32.2	1.4	507.45
94068	3.21 3.21	SQUARE TUBE 40 mm X 40 mm x 0.8 mm	40	38.4	0.8	338.68
94141	3.58 3.58	SQUARE TUBE 40 mm X 40 mm x 0.9 mm	40	38.2	0.9	381.00
94115	3.95 3.95	SQUARE TUBE 40 mm X 40 mm x 1 mm	40	38	1	420.99
94015	3.58 3.58	SQUARE TUBE 40 mm X 40 mm x 0.95 mm	40	38.2	0.95	400.00
94017	4.58 4.58	SQUARE TUBE 40 mm X 40 mm x 1.2 mm	40	37.6	1.2	502.63
94011	10.19 10.19	SQUARE TUBE 40 mm X 40 mm x 3 mm	40	34	3	1198.22
94012	6.04 6.04	SQUARE TUBE 40 mm X 40 mm x 1.6 mm	40	36.8	1.6	665.80
94014	5.36 5.36	SQUARE TUBE 40 mm X 40 mm x 1.4 mm	40	37.2	1.4	583.05



STANDARD PROFILE


SQUARE TUBE

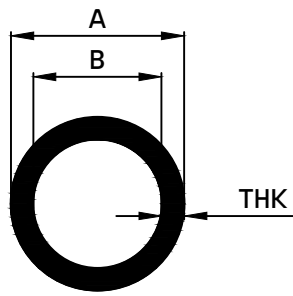
Reference	Inertial Moment  Ix (cm.4) Iy (cm.4)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
94013	6.69 6.69	SQUARE TUBE 40 mm X 40 mm x 1.8 mm	40	36.4	1.8	742.02
94016	7.33 7.33	SQUARE TUBE 40 mm X 40 mm x 2 mm	40	36	2	820.80
94057	12.59 12.59	SQUARE TUBE 40 mm X 40 mm x 3 mm	40	34	3	1198.80
94048	12.59 12.59	SQUARE TUBE 40 mm X 40 mm x 4 mm	40	32	4	1555.20
94070	9.69 9.69	SQUARE TUBE 45 mm X 45 mm x 1.8 mm	45	41.4	1.8	839.43
* 94064	10.62 10.62	SQUARE TUBE 45 mm X 45 mm x 2 mm	45	41	2	928.80
* 94049	7.84 7.84	SQUARE TUBE 50 mm X 50 mm x 1 mm	50	48	1	529.20
94022	10.35 10.35	SQUARE TUBE 50 mm X 50 mm x 1.35 mm	50	47.3	1.35	708.73
94051	11.41 11.41	SQUARE TUBE 50 mm X 50 mm x 1.5 mm	50	47	1.5	785.70
94023	12.12 12.12	SQUARE TUBE 50 mm X 50 mm x 1.6 mm	50	46.8	1.6	836.14
94020	14.77 14.77	SQUARE TUBE 50 mm X 50 mm x 2 mm	50	46	2	1036.80
94021	20.84 20.84	SQUARE TUBE 50 mm X 50 mm x 3 mm	50	44	3	1522.22
94052	26.15 26.15	SQUARE TUBE 50 mm X 50 mm x 4 mm	50	42	4	1987.20
* 94053	30.75 30.75	SQUARE TUBE 50 mm X 50 mm x 5 mm	50	40	5	2430.00
94071	31.74 31.74	SQUARE TUBE 60 mm X 60 mm x 2.5 mm	60	55	2.5	1552.50
* 94054	37.14 37.14	SQUARE TUBE 60 mm X 60 mm x 3 mm	60	54	3	1846.80



STANDARD PROFILE


SQUARE TUBE

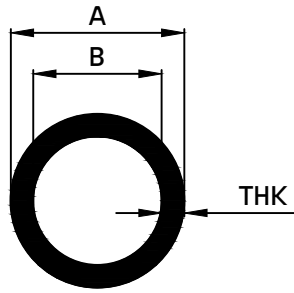
Reference	Inertial Moment  I_x (cm ⁴) I_y (cm ⁴)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
94072	60.27 60.27	SQUARE TUBE 70 mm X 70 mm x 3 mm	70	64	3	2170.80
94055	51.90 51.90	SQUARE TUBE 75 mm X 75 mm x 2 mm	75	71	2	1846.80
94028	91.44 91.44	SQUARE TUBE 80 mm X 80 mm x 3 mm	80	74	3	2504.04
94029	125.49 125.49	SQUARE TUBE 100 mm X 100 mm x 2 mm	100	96	2	2116.22
94030	182.65 182.65	SQUARE TUBE 100 mm X 100 mm x 3 mm	100	94	3	3142.22
94046	320.53 320.53	SQUARE TUBE 120 mm X 120 mm x 3 mm	120	120	3	3790.8



STANDARD PROFILE

PIPE

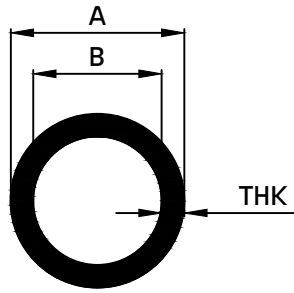
Reference	Inertial Moment  I_x (cm.4) I_y (cm.4)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
95048	0.13 0.13	PIPE DIA 14.5 mm x 1.5 mm	14.5	11.5	1.5	149.43
* 95041	0.17 0.17	PIPE DIA 16 mm x 1.4 mm	16	13.2	1.4	173.37
95001	0.50 0.50	PIPE DIA 19 mm x 3 mm ($\frac{3}{4}$ ")	19	13	3	408.42
* 95031	0.68 0.68	PIPE DIA 25 mm x 1.3 mm	25	22.4	1.3	261.33
95003	1.35 1.35	PIPE DIA 25.4 mm x 3 mm (1°)	25.4	19.4	3	570.01
95005	0.96 0.96	PIPE DIA 25 mm x 2 mm	25	21	2	390.18
95043	1.44 1.44	PIPE DIA 30 mm x 1.6 mm	30	26.8	1.6	385.43
95007	2.91 2.91	PIPE DIA 31.75 mm x 3 mm ($1\frac{1}{4}$ ")	31.75	25.75	3	731.59
95008	3.21 3.21	PIPE DIA 33 mm x 3 mm	33	27	3	763.40
95009	5.14 5.14	PIPE DIA 38.1 mm x 3 mm ($1\frac{1}{2}$ ")	38.1	32.1	3	893.18
95037	6.31 6.31	PIPE DIA 38.1 mm x 4 mm	38.1	30.1	4	1156.98
95030	2.33 2.33	PIPE DIA 40 mm x 1 mm	40	38	1	330.80
95011	3.36 3.36	PIPE DIA 40 mm x 1.5 mm	40	37	1.5	489.85
95010	6.00 6.00	PIPE DIA 40 mm x 3 mm	40	34	3	941.53
* 95032	11.52 11.52	PIPE DIA 44 mm x 4.8 mm	44	34.4	4.8	1596.02



STANDARD PROFILE

PIPE

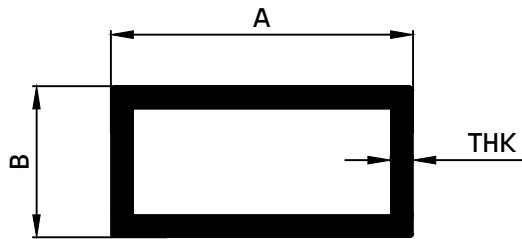
Reference	Inertial Moment  I_x (cm.4) I_y (cm.4)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
95045	12.58 12.58	PIPE DIA 46.6 mm x 4.15 mm	46.6	38.3	4.15	1494.30
* 95033	13.16 13.16	PIPE DIA 47 mm x 4.25 mm	47	38.5	4.25	1541.12
95046	5.77 5.77	PIPE DIA 47.6 mm x 1.5 mm	47.6	44.6	1.5	586.55
* 95040	5.90 5.90	PIPE DIA 50 mm x 1.3 mm	50	47.4	1.3	537.01
95013	8.70 8.70	PIPE DIA 50 mm x 2 mm	50	46	2	814.30
* 95034	10.55 10.55	PIPE DIA 50 mm x 2.5 mm	50	45	2.5	1007.27
95014	12.28 12.28	PIPE DIA 50 mm x 3 mm	50	44	3	1196.01
95016	12.92 12.92	PIPE DIA 50.8 mm x 3 mm (2")	50.8	44.8	3	1216.36
95038	16.21 16.21	PIPE DIA 50.8 mm x 4 mm	50.8	42.8	4	1587.88
* 95039	10.13 10.13	PIPE DIA 52.5 mm x 2 mm	52.5	48.5	2	856.71
95047	11.23 11.23	PIPE DIA 52.5 mm x 2.25 mm	52.5	48	2.25	959.03
95044	12.92 12.92	PIPE DIA 58 mm x 2.5 mm	58	53	2.5	1176.91
95017	21.88 21.88	PIPE DIA 60 mm x 3 mm	60	54	3	1450.47
95019	33.24 33.24	PIPE DIA 63.5 mm x 3 mm (2½")	63.5	57.5	3	1539.53
95021	44.05 44.05	PIPE DIA 75 mm x 3 mm	75	69	3	1832.17




STANDARD PROFILE

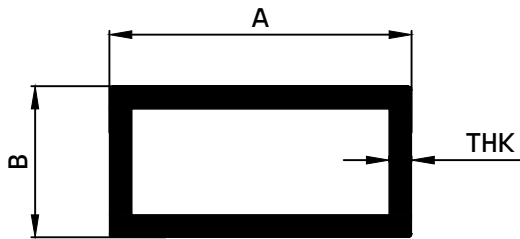
PIPE

Reference	Inertial Moment	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
	I_x (cm.4) I_y (cm.4)					
95022	49.29	PIPE	76.2	70.2	3	1862.71
	49.29	DIA 76.2 mm x 3 mm (3")				
95023	33.56	PIPE	77.3	73.3	2	1277.43
	33.56	DIA 77.3 mm x 2 mm				
95024	53.86	PIPE	80	74	3	1959.41
	53.86	DIA 80mm x 3 mm				
95025	74.76	PIPE	88.9	82.9	3	2185.88
	74.76	DIA 88.9 mm x 3 mm (3½")				
95026	48.52	PIPE	90	86.4	1.8	1346.64
	48.52	DIA 90 mm x 1.8 mm				
95027	107.62	PIPE	100	94	3	2468.34
	107.62	DIA 100 mm x 3 mm				
95029	177.47	PIPE	101.6	91.6	5	4096.95
	177.47	DIA 101.6 mm x 5 mm (4")				
95036	294.53	PIPE	119.4	109.4	5	4851.87
	294.53	DIA 119.4 mm x 5 mm				




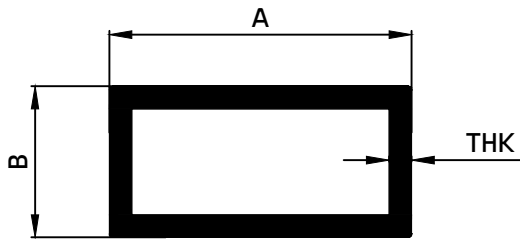
STANDARD PROFILE
RECTANGULAR TUBE

Reference	Inertial Moment  I_x (cm.4) I_y (cm.4)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
* 96072	0.74 1.41	RECTANGULAR TUBE 30 mm x 20 mm x 1.2 mm	30	20	1.2	308.44
96000	0.45 1.40	RECTANGULAR TUBE 30 mm x 15 mm x 1.5 mm	30	15	1.5	340.02
96001	1.11 2.15	RECTANGULAR TUBE 30 mm x 20 mm x 2 mm	30	20	2	496.80
* 96073	1.02 2.50	RECTANGULAR TUBE 35 mm x 20 mm x 1.5 mm	35	20	1.5	421.00
96002	0.68 2.06	RECTANGULAR TUBE 36 mm x 18 mm x 1.2 mm	36	18	1.2	334.36
96056	0.59 2.93	RECTANGULAR TUBE 40 mm x 15 mm x 1.5 mm	40	15	1.5	421.20
96063	5.47 4.10	RECTANGULAR TUBE 40 mm x 20 mm x 0.8 mm	40	20	0.8	252.00
96003	0.83 2.44	RECTANGULAR TUBE 40 mm x 20 mm x 1 mm	40	20	1	314.07
* 96074	0.95 2.87	RECTANGULAR TUBE 40 mm x 20 mm x 1.2 mm	40	20	1.2	373.00
96004	0.93 2.97	RECTANGULAR TUBE 40 mm x 20 mm x 1.25 mm	40	20	1.25	387.91
96114	1.08 3.28	RECTANGULAR TUBE 40 mm x 20 mm x 1.4 mm	40	20	1.4	433.00
96005	1.15 3.49	RECTANGULAR TUBE 40 mm x 20 mm x 1.5 mm	40	20	1.5	461.70
96006	1.33 4.06	RECTANGULAR TUBE 40 mm x 20 mm x 1.8 mm	40	20	1.8	548.00
96007	1.43 4.44	RECTANGULAR TUBE 40 mm x 20 mm x 2 mm	40	20	2	604.80
96008	1.89 6.07	RECTANGULAR TUBE 40 mm x 20 mm x 3 mm	40	20	3	874.22



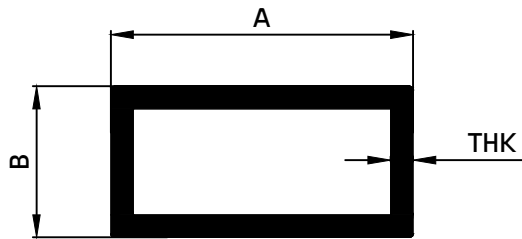
STANDARD PROFILE
RECTANGULAR TUBE

Reference	Inertial Moment  Ix (cm.4) Iy (cm.4)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
* 96075	2.43 5.16	RECTANGULAR TUBE 40 mm x 25 mm x 2 mm	40	25	2	658.80
* 96076	3.26 7.11	RECTANGULAR TUBE 40 mm x 25 mm x 3 mm	40	25	3	955.80
* 96077	1.60 5.99	RECTANGULAR TUBE 45 mm x 20 mm x 2 mm	45	20	2	658.80
* 96078	0.72 5.24	RECTANGULAR TUBE 50 mm x 15 mm x 1.5 mm	50	15	1.5	502.00
96115	1.40 6.12	RECTANGULAR TUBE 50 mm x 20 mm x 1.5 mm	50	20	1.5	542.70
96058	1.40 6.12	RECTANGULAR TUBE 50 mm x 25 mm x 1.4 mm	50	25	1.4	545.83
* 96079	2.96 9.00	RECTANGULAR TUBE 50 mm x 25 mm x 2 mm	50	25	2	766.80
96011	1.66 9.74	RECTANGULAR TUBE 60 mm x 20 mm x 1.5 mm	60	20	1.5	623.12
96080	5.29 15.94	RECTANGULAR TUBE 60 mm x 30 mm x 2 mm	60	30	2	928.80
96012	7.27 22.48	RECTANGULAR TUBE 60 mm x 30 mm x 3 mm	60	30	3	1360.59
* 96081	4.96 9.24	RECTANGULAR TUBE 60 mm x 40 mm x 0.9 mm	60	40	0.9	477.00
96054	5.47 10.21	RECTANGULAR TUBE 60 mm x 40 mm x 1 mm	60	40	1	529.20
* 96082	7.46 13.98	RECTANGULAR TUBE 60 mm x 40 mm x 1.4 mm	80	40	1.4	734.83
96013	8.40 15.78	RECTANGULAR TUBE 60 mm x 40 mm x 1.6 mm	60	40	1.6	835.77
96014	10.22 19.30	RECTANGULAR TUBE 60 mm x 40 mm x 2 mm	60	40	2	1036.22



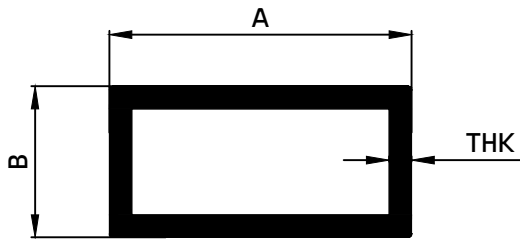
STANDARD PROFILE
RECTANGULAR TUBE

Reference	Inertial Moment  I_x (cm.4) I_y (cm.4)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
96103	6.47 27.92	RECTANGULAR TUBE 75 mm x 30 mm x 2 mm	75	30	2	1090.80
96016	0.67 10.18	RECTANGULAR TUBE 80 mm x 15 mm x 0,8 mm	80	15	0,8	403.48
96017	0.57 10.88	RECTANGULAR TUBE 80 mm x 15 mm x 0,9 mm	80	15	0,9	452.74
* 96083	2.18 20.65	RECTANGULAR TUBE 80 mm x 20 mm x 1,5 mm	80	20	1,5	785.00
96018	2.30 21.67	RECTANGULAR TUBE 80 mm x 20 mm x 1,6 mm	80	20	1,6	835.77
96064	3.22 32.59	RECTANGULAR TUBE 80 mm x 20 mm x 2,5 mm	80	20	2,5	1282.5
96059	5.67 16.46	RECTANGULAR TUBE 80 mm x 40 mm x 0,9 mm	80	40	0,9	574.45
96020	6.34 18.82	RECTANGULAR TUBE 80 mm x 40 mm x 1 mm	80	40	1	636.99
96021	8.92 26.15	RECTANGULAR TUBE 80 mm x 40 mm x 1,3 mm	80	40	1,3	824.14
* 96085	9.54 28.03	RECTANGULAR TUBE 80 mm x 40 mm x 1,4 mm	80	40	1,4	886.00
96022	10.15 29.86	RECTANGULAR TUBE 80 mm x 40 mm x 1,5 mm	80	40	1,5	947.12
96019	13.11 38.94	RECTANGULAR TUBE 80 mm x 40 mm x 2 mm	80	40	2	1252.59
96024	18.43 55.82	RECTANGULAR TUBE 80 mm x 40 mm x 3 mm	80	40	3	1846.22
96023	21.67 45.02	RECTANGULAR TUBE 80 mm x 50 mm x 2 mm	80	50	2	1360.22
* 96087	30.80 64.75	RECTANGULAR TUBE 80 mm x 50 mm x 3 mm	80	50	3	2008.80



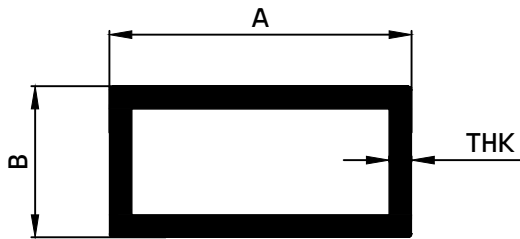
STANDARD PROFILE
RECTANGULAR TUBE

Reference	Inertial Moment  Ix (cm.4) Iy (cm.4)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
96025	0.70 20.02	RECTANGULAR TUBE 100 mm x 15 mm x 1 mm	100	15	1	549.94
96040	1.18 27.36	RECTANGULAR TUBE 100 mm x 15 mm x 1.2 mm	100	15	1.2	729.43
96051	1.90 25.48	RECTANGULAR TUBE 100 mm x 20 mm x 1 mm	100	20	1	637.20
* 96088	2.07 27.90	RECTANGULAR TUBE 100 mm x 20 mm x 1.1 mm	100	20	1.1	699.73
96027	2.54 35.03	RECTANGULAR TUBE 100 mm x 20 mm x 1.4 mm	100	20	1.4	886.03
96028	3.39 48.65	RECTANGULAR TUBE 100 mm x 20 mm x 2 mm	100	20	2	1252.22
96029	10.12 71.33	RECTANGULAR TUBE 100 mm x 30 mm x 2.5 mm	100	30	2.5	1686.92
96042	11.55 82.33	RECTANGULAR TUBE 100 mm x 40 mm x 1 mm	100	40	1	744.99
96043	12.38 51.81	RECTANGULAR TUBE 100 mm x 40 mm x 1.5 mm	100	40	1.5	1109.12
* 96089	13.13 55.17	RECTANGULAR TUBE 100 mm x 40 mm x 1.6 mm	100	40	1.6	1181.95
* 96010	15.15 44.04	RECTANGULAR TUBE 100 mm x 50 mm x 1.1 mm	100	50	1.1	877.93
96032	21.47 62.87	RECTANGULAR TUBE 100 mm x 50 mm x 1.6 mm	100	50	1.6	1267.77
96033	23.66 69.55	RECTANGULAR TUBE 100 mm x 50 mm x 1.8 mm	100	50	1.8	1407.37
96044	26.29 77.51	RECTANGULAR TUBE 100 mm x 50 mm x 2 mm	100	50	2	1576.80
96034	32.50 95.01	RECTANGULAR TUBE 100 mm x 50 mm x 2.5 mm	100	50	2.5	1957.50



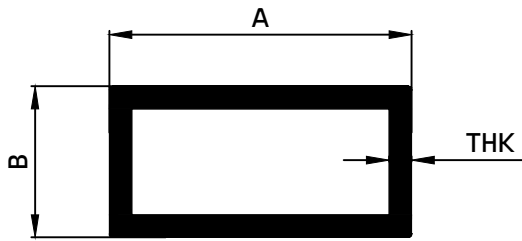
STANDARD PROFILE
RECTANGULAR TUBE

Reference	Inertial Moment  I_x (cm.4) I_y (cm.4)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
96031	50.70 260.99	RECTANGULAR TUBE 100 mm x 50 mm x 3 mm	100	50	3	2332.22
96035	42.30 126.41	RECTANGULAR TUBE 100 mm x 50 mm x 3.45 mm	100	50	3.45	2665.95
* 96091	39.50 87.12	RECTANGULAR TUBE 100 mm x 60 mm x 2 mm	100	60	2	1684.80
96125	80.00 124.80	RECTANGULAR TUBE 100 mm x 75 mm x 2.5 mm	100	75	2.5	2295.00
96045	94.23 147.41	RECTANGULAR TUBE 100 mm x 75 mm x 3 mm	100	75	3	2737.80
96046	109.24 154.47	RECTANGULAR TUBE 100 mm x 80 mm x 3 mm	100	80	3	2818.80
96036	18.89 107.65	RECTANGULAR TUBE 120 mm x 40 mm x 2 mm	120	40	2	1684.22
96057	33.41 201.35	RECTANGULAR TUBE 120 mm x 40 mm x 4 mm	120	40	4	3283.20
* 96092	101.41 309.41	RECTANGULAR TUBE 120 mm x 60 mm x 5 mm	120	60	5	4590.00
* 96093	32.06 134.70	RECTANGULAR TUBE 125 mm x 50 mm x 2 mm	125	50	2	1846.80
96061	81.22 189.56	RECTANGULAR TUBE 130 mm x 75 mm x 2 mm	130	75	2	2170.80
* 96094	21.78 160.02	RECTANGULAR TUBE 140 mm x 40 mm x 2 mm	140	40	2	1900.00
* 96095	38.62 301.34	RECTANGULAR TUBE 140 mm x 40 mm x 4 mm	140	40	4	3715.20
96037	35.50 178.97	RECTANGULAR TUBE 140 mm x 50 mm x 2 mm	140	50	2	2008.22
96070	116.58 456.58	RECTANGULAR TUBE 140 mm x 60 mm x 5 mm	140	60	5	5130.00




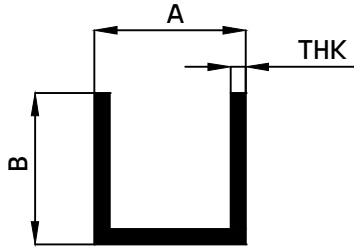
STANDARD PROFILE
RECTANGULAR TUBE

Reference	Inertial Moment  Ix (cm.4) Iy (cm.4)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
96038	5.01 147.43	RECTANGULAR TUBE 150 mm x 20 mm x 2 mm	150	20	2	1792.22
96118	34.37 192.15	RECTANGULAR TUBE 150 mm x 50 mm x 1.8 mm	150	50	1.8	1909.00
96047	37.82 213.26	RECTANGULAR TUBE 150 mm x 50 mm x 2 mm	150	50	2	2116.80
96124	44.51 253.17	RECTANGULAR TUBE 150 mm x 50 mm x 2.4 mm	150	50	2.4	2529.79
96039	54.01 311.27	RECTANGULAR TUBE 150 mm x 50 mm x 3 mm	150	50	3	3142.22
96062	81.04 343.80	RECTANGULAR TUBE 150 mm x 60 mm x 3 mm	150	60	3	3304.80
* 96097	119.03 349.60	RECTANGULAR TUBE 150 mm x 75 mm x 2.65 mm	150	75	2.65	3143.90
96048	253.29 473.47	RECTANGULAR TUBE 150 mm x 100 mm x 3 mm	150	100	3	3952.80
* 96098	20.05 380.36	RECTANGULAR TUBE 200 mm x 33 mm x 2 mm	200	33	2	2473.00
* 96099	43.12 597.94	RECTANGULAR TUBE 200 mm x 40 mm x 3 mm	200	40	3	3790.80
96049	447.01 49.35	RECTANGULAR TUBE 200 mm x 50 mm x 2 mm	200	50	2	2656.80
96050	489.51 53.77	RECTANGULAR TUBE 200 mm x 50 mm x 2.2 mm	200	50	2.2	2917.52
* 96100	60.25 552.75	RECTANGULAR TUBE 200 mm x 50 mm x 2.5 mm	200	50	2.5	3307.50
96130	70.61 656.17	RECTANGULAR TUBE 200 mm x 50 mm x 3 mm	200	50	3	3952.80
* 96101	98.63 952.64	RECTANGULAR TUBE 200 mm x 50 mm x 4.5 mm	200	50	4.5	5856.00



STANDARD PROFILE
RECTANGULAR TUBE

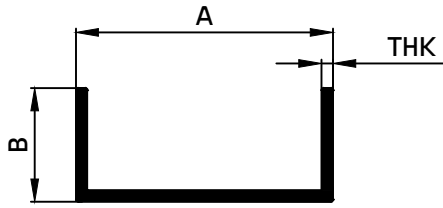
Reference	Inertial Moment  I_x (cm.4) I_y (cm.4)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
96260	323.88 947.24	RECTANGULAR TUBE 200 mm x 60 mm x 3 mm	200	60	3	4114.80
* 96102	198.22 830.81	RECTANGULAR TUBE 200 mm x 80 mm x 3 mm	200	80	3	4438.80



STANDARD PROFILE

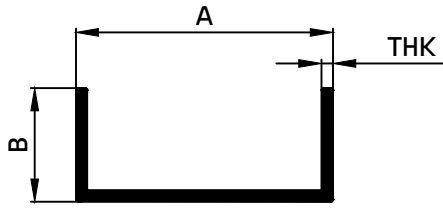
CHANNEL

Reference	Inertial Moment  I_x (cm ⁴) I_y (cm ⁴)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
* 97027	0.04 0.05	CHANNEL 10 mm x 10 mm x 10 mm	10	10	1.3	96.00
97022	0.04 0.05	CHANNEL 10 mm x 10 mm x 10 mm	10	10	1.5	109.35
* 97028	0.20 0.27	CHANNEL 15 mm x 15 mm x 15 mm	15	15	2	221.00
97003	0.45 0.72	CHANNEL 20 mm x 20 mm x 20 mm	20	20	2	302.08
97008	1.61 2.65	CHANNEL 30 mm x 30 mm x 30 mm	30	30	2	464.08
* 97029	2.30 3.16	CHANNEL 30 mm x 3.0 mm x 30 mm	30	30	2.5	573.75
97030	13.54 18.71	CHANNEL 50 mm x 50 mm x 50 mm	50	50	3	1166.00



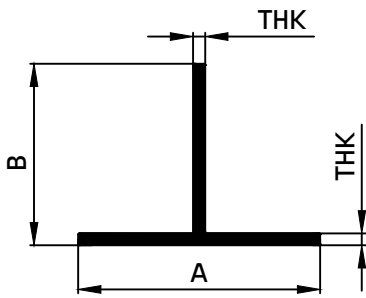
STANDARD PROFILE
CHANNEL

Reference	Inertial Moment  I_x (cm ⁴) I_y (cm ⁴)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
97006	1.03 0.43	CHANNEL 30 mm x 15 mm x 30 mm	15	30	1.5	291.28
* 97041	0.34 0.40	CHANNEL 20 mm x 18 mm x 20 mm	18	20	1.3	194.45
97007	1.19 0.83	CHANNEL 30 mm x 20 mm x 30 mm	20	30	1.5	312.00
* 97042	0.07 0.48	CHANNEL 10 mm x 25 mm x 10 mm	25	10	1.3	148.82
* 97043	0.21 0.66	CHANNEL 15 mm x 25 mm x 15 mm	25	15	1.3	183.92
* 97044	0.46 1.83	CHANNEL 15 mm x 27 mm x 15 mm	27	15	4	529.00
97005	0.09 0.97	CHANNEL 12 mm x 30 mm x 12	30	12	1.5	206.23
* 97045	0.24 1.02	CHANNEL 15 mm x 30 mm x 15 mm	30	15	1.3	201.00
97034	0.33 1.47	CHANNEL 15 mm x 30 mm x 15 mm	30	15	2	302.4
97009	0.19 1.56	CHANNEL 15 mm x 34 mm x 15 mm	34	15	1.8	246.73
97026	0.59 1.95	CHANNEL 20 mm x 34 mm x 20 mm	34	20	1.5	287.55
97010	0.55 2.33	CHANNEL 20 mm x 40 mm x 20 mm	40	20	1.2	251.01
97011	0.41 2.67	CHANNEL 20 mm x 40 mm x 20 mm	40	20	1.4	290.57
* 97046	0.67 2.85	CHANNEL 20 mm x 40 mm x 20 mm	40	20	1.5	311.00
97012	0.52 3.35	CHANNEL 20 mm x 40 mm x 20 mm	40	20	1.8	370.99



STANDARD PROFILE
CHANNEL

Reference	Inertial Moment  I _x (cm ⁴) I _y (cm ⁴)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
97013	0.85 3.66	CHANNEL 20 mm x 40 mm x 20 mm	40	20	2	410.19
* 97047	1.47 4.39	CHANNEL 25 mm x 40 mm x 25 mm	40	25	2	464.00
97501	0.12 1.65	CHANNEL 10 mm x 43 mm x 10 mm	43	10	1	214.65
97020	0.85 3.66	CHANNEL 20 mm x 45 mm x 20 mm	45	20	1.2	267.62
97115	0.80 4.82	CHANNEL 20 mm x 50 mm x 20 mm	50	20	1.5	352.35
* 97048	3.19 7.73	CHANNEL 38 mm x 54 mm x 38 mm	54	38	1.2	413.00
* 97049	224.97 165.11	CHANNEL 100 mm x 70 mm x 100 mm	70	100	8	5486.00
* 97050	4.25 18.83	CHANNEL 38 mm x 80 mm x 38 mm	80	38	1.2	497.66
* 97051	7.62 31.65	CHANNEL 40 mm x 80 mm x 40 mm	80	40	2	842.00
* 97052	16.12 62.77	CHANNEL 40 mm x 80 mm x 40 mm	80	40	5	2025.00
97015	0.16 16.13	CHANNEL 8 mm x 100 mm x 8 mm	100	8	1.4	427.68
* 97053	15.23 62.77	CHANNEL 50 mm x 100 mm x 50 mm	100	50	2	1058.00
* 97054	53.50 246.00	CHANNEL 50 mm x 100 mm x 50 mm	100	50	10	4860.00
* 97055	13.56 126.89	CHANNEL 44 mm x 150 mm x 44 mm	150	44	1.7	1076.81
97056	17.52 163.40	CHANNEL 44.45 mm x 150 mm x 44.45 mm	150	44.45	2.2	1420.00



STANDARD PROFILE
T SECTIONS

Reference	Inertial Moment $\begin{matrix} y \\ \times \\ x \\ y \end{matrix}$ I_x (cm ⁴) I_y (cm ⁴)	Denomination	A mm	B mm	THK. mm	Profile Weight (gr/m)
98012	24.78 7.22	T SECTION 60 mm x 60 mm x 4 mm	60	60	4	1252.59
98014	43.31 41.69	T SECTION 100 mm x 75 mm x 5 mm	100	75	5	2294.24
* 98015	16.45 33.28	T SECTION 110 mm x 45 mm x 3 mm	110	45	3	1231.20
* 98016	31.31 84.38	T SECTION 150 mm x 53 mm x 3 mm	150	53	3	1620.00