



# STANDART & SPECIAL PROFILES



## Extruded alloys and tempers:

EN-AW 6060 (Al MgSi0,5)	DIN 3.3206
EN-AW 6063 (Al Mg0,7Si)	DIN 3.2315
EN-AW 6005 (Al MgSi0,7)	DIN 3.3210
EN-AW 6082 (Al Si1MgMn)	DIN 3.2315

According to EN 573-3 (EN-AW chemical composition % )

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other		Al
									Each	Total	
6060	0,30-0,60	0,10-0,30	0,10	0,10	0,35-0,60	0,05	0,15	0,10	0,05	0,15	Rest
6063	0,20-0,60	0,35	0,10	0,10	0,45-0,90	0,10	0,10	0,10	0,05	0,15	Rest
6005	0,50-0,90	0,35	0,30	0,50	0,40-0,70	0,30	0,20	0,10	0,05	0,15	Rest
6082	0,7-1,3	0,50	0,10	0,40-1,0	0,6-1,2	0,25	0,20	0,10	0,05	0,15	Rest

Alloys & Tempers					
6060		6063		6005	6082
O		O		O	O
T4		T4		T4	T4
T5		T5			T5
T6		T6		T6	T6
T64		T64			
T66		T66			

## Temper designation (as per EN 515)

O	Annealed wrought alloys
T4	Solution heat treated & naturally aged.
T5	Cooled from an elevated temperature forming operation & artificially aged (precipitation hardened)
T6	Solution heat treated & artificially aged (precipitation hardened). Press quenching required.
T64	Solution heat treated & artificially aged (precipitation hardened). Under aged to improve formability (bending temper)
T66	Cooled from an elevated temperature forming operation & artificially aged (precipitation hardened) to a higher level of mechanical properties through special control of manufacturing processes. Press quenching required.

## Properties

Physical properties				
Alloys EN-AW	6060	6063	6005	6082
Melting range °C	585-650	585-650	585-650	585-650
Density g/cm <sup>3</sup>	2,70	2,70	2,70	2,70
Electrical Conductivity MS/m	34-38		26-32	24-32
Thermal Conductivity W/(m K)	200-220		180-220	170-220
Specific Heat J/(Kg K)	898			896
Thermal Expansion Values				
-50 to 20 °C (10 <sup>-6</sup> /K)	21,8	23,4	23,4	23,4
20 to 100 °C (10 <sup>-6</sup> /K)	23,4			
20 to 200 °C (10 <sup>-6</sup> /K)	24,5			
20 to 300 °C (10 <sup>-6</sup> /K)	25,6			
Young's Modulus MPa	69500	69500	69500	70000
Shear Modulus MPa	26100	26100	26200	26400

Mechanical Properties (as per EN 755-2)							
Alloy	Wall Thickness	Tensile strength	Proof stress	Elongation		Brinell Hardness	Temper
	e mm*	R <sub>m</sub> MPa min	R <sub>p0.2</sub> MPa min	A <sub>50mm</sub> % min	A % min	HB**	
EN-AW 6060	e ≤ 25	120	60	14	16	45	T4
	e ≤ 5	160	120	6	8	55	T5
	e ≤ 3	190	150	6	8	65	T6
	3 < e ≤ 25	170	140	6	8	60	
	e ≤ 3	215	160	6	8	70	T66
	3 < e ≤ 25	195	150	6	8	65	
EN-AW 6063	e ≤ 25	130	65	12	14	45	T4
	e ≤ 3	175	130	6	8	55	T5
	3 < e ≤ 25	160	110	5	7	50	
	e ≤ 10	215	170	6	8	65	T6
	10 < e ≤ 25	195	160	6	8	60	
	e ≤ 10	245	200	6	8	75	
EN-AW 6005	e ≤ 25	180	90	15	13	50	T4
	10 < e ≤ 25	250	200	8	6	85	T6 FLAT T6 FLAT T6 FLAT T6 HOLLOW
	e ≤ 5	270	225	8	6	90	
	5 < e ≤ 10	260	215	8	6	85	
	5 < e ≤ 10	250	200	8	6	85	
EN-AW 6082	e ≤ 25	205	110	12	14	70	T4
	e ≤ 5	270	230	6	8	80	T5
	e ≤ 5	290	250	6	8	95	T6
	10 < e ≤ 25	310	260	8	10	95	

\* For different wall thicknesses of a given profile, the lowest specified values of properties shall be considered as valid for the whole profile cross section.

\*\* The values for the HB hardness are indicative only.

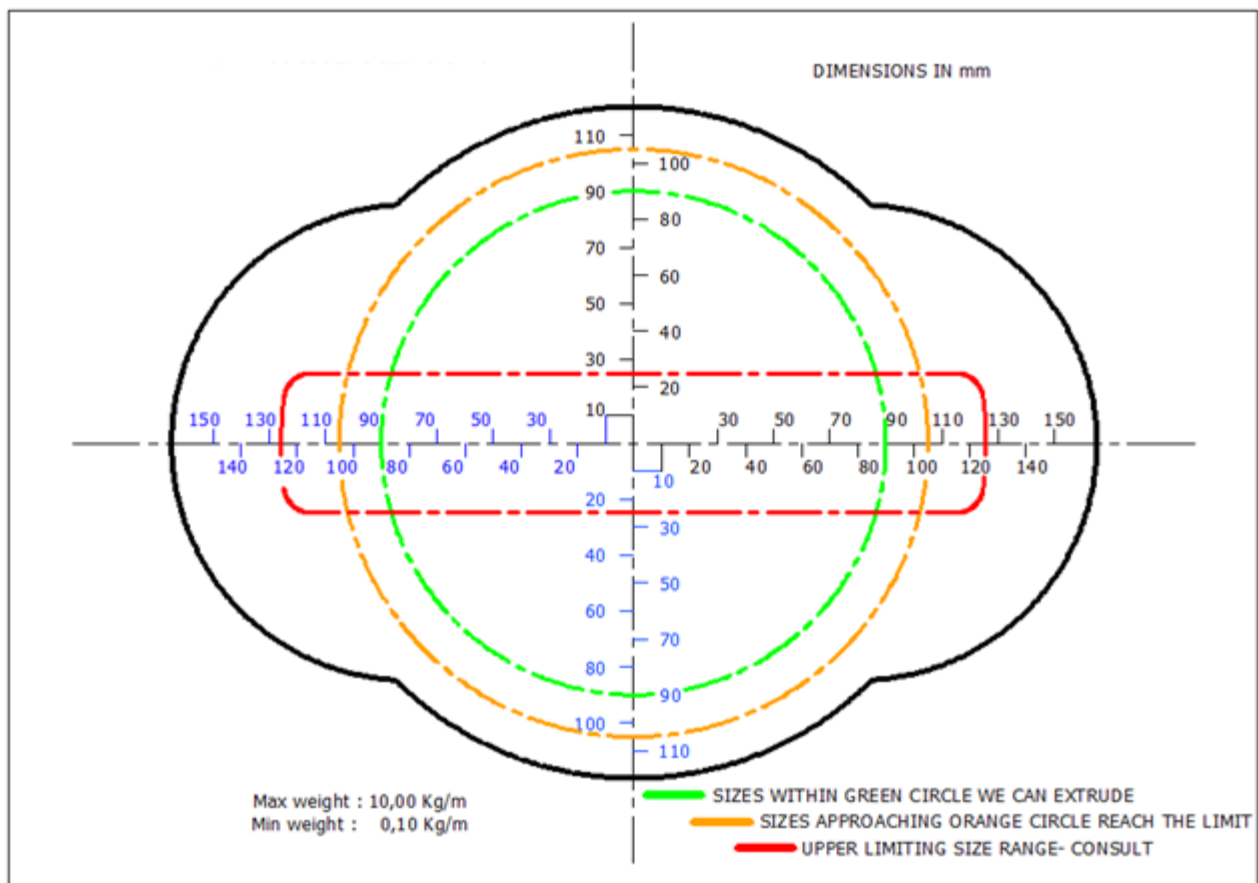
## Product forms & Applications

Alloys		Characteristic properties	Applications
EN-AW 6060	Extruded round rod/bar Extruded square, hexagonal, rectangular rod/bar Extruded tube Extruded profiles	V.good corrosion resistance Medium strength Complex sections Anodising quality	Architectural sections frames, lightings, railing, ladders, furniture, fences, flooring
EN-AW 6063		V.good corrosion resistance Medium strength Complex sections Anodising quality	Architectural sections frames, lightings, railing, ladders, furniture, fences, heat sink
EN-AW 6005 EN-AW 6082		V.good corrosion resistance Medium-High strength Not complex sections	Heavy duty structures, truck frames, bicycles, flanges, pylons, towers, scaffolding tubes

## Tolerances & Certifications

EN Standard	Description
	Aluminium & aluminium alloys- Extruded rod/bar, tubes and profiles
EN 755-1	Technical conditions for inspection & delivery
EN 755-2	Mechanical properties
EN 755-3	Round bars, tolerances on dimension & form
EN 755-4	Square bars, tolerances on dimension & form
EN 755-5	Rectangular bars, tolerances on dimension & form
EN 755-6	Hexagonal bars, tolerances on dimension & form
EN 755-7	Seamless tubes, tolerances on dimension & form
EN 755-9	Profiles, tolerances on dimension & form
Aluminium & aluminium alloys- Extruded precision profiles in alloys EN- AW 6060 & EN- AW 6063	
EN-12020-1	Technical conditions for inspection & delivery (precision profiles)
EN-12020-2	Tolerances on dimension & form (precision profiles)
	Metallic products- Types of inspection documents
Inspection	2.3, 3.1, 3.2

## Profile size production range



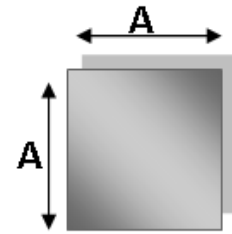
## Profile weight production range

<b>Minimum</b> profile weight: 100 gr/m	<b>Maximum</b> profile weight: 8000 gr/m
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## Square bars

standart

01



**A** = Width

**A** = Height

**Notes:**

\* The weight of each profile is calculated by measuring it's cross-sectional area and multiplying it by the material density.

\*\* Alloy and Length is subject to customer's request.

\*\*\* Radii less than 1mm are not stated.

\* Additional charge

Profile Code	A (mm)				Area (mm <sup>2</sup> )	Weight (Kg/m)
01-0015	6		*		36	0,10
01-0014	8				64	0,17
01-0017	10				100	0,27
01-0009	12				144	0,39
01-0001	15				225	0,61
01-0016	16				256	0,69
01-0013	18				324	0,87
01-0002	20				400	1,08
01-0003	25				625	1,69
01-0004	30				900	2,43
01-0010	35				1225	3,31
01-0005	40				1600	4,32
01-0011	45				2025	5,47
01-0006	50				2500	6,75
01-0008	55				3025	8,17
01-0007	60				3600	9,72
01-0061	61				3721	10,05

## Rectangular bars (Flatbars)

standart  
02

**Notes:**

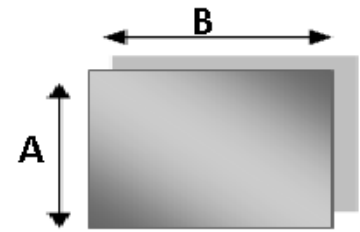
\* The weight of each profile is calculated by measuring it's cross-sectional area and multiplying it by the material density.

\*\* Alloy and Length is subject to customer's request.

\*\*\* Radii less than 1mm are not stated.

**A** = Width

**B** = Height



\* Additional charge

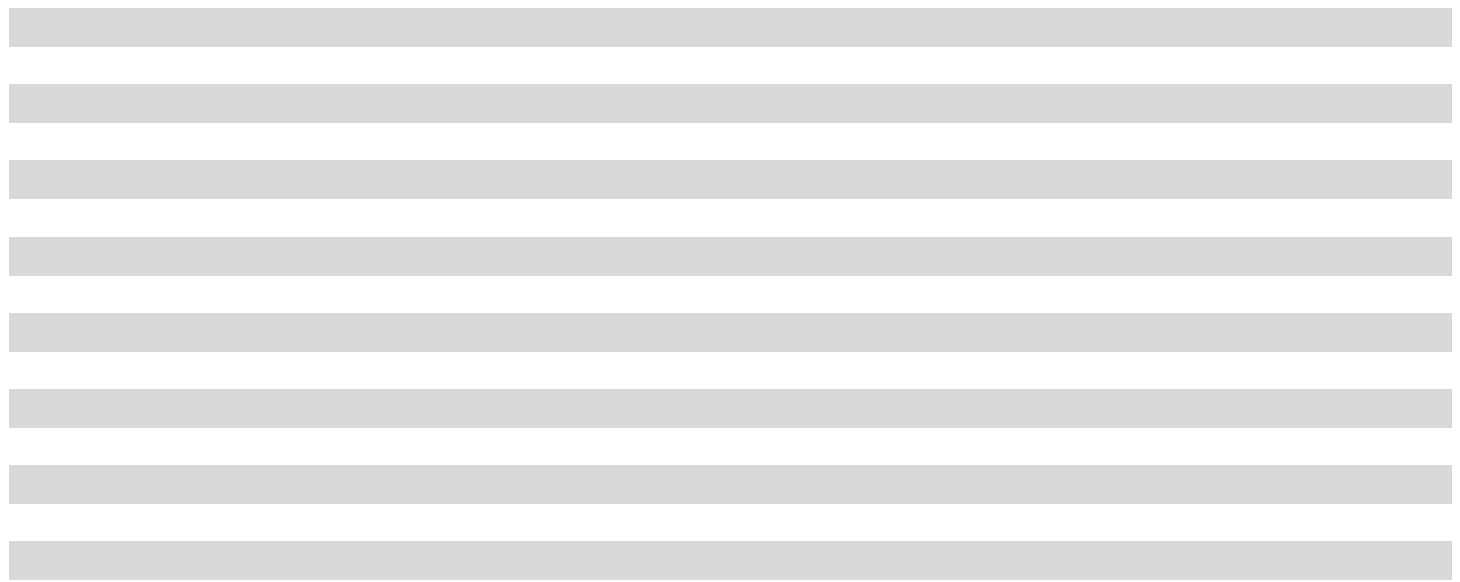
Profile Code	A (mm)	B (mm)	r <sup>(***)</sup> (mm)		Area Flaeche (mm <sup>2</sup> )	Weight Gewich t (Kg/m)
02-0152	10	2		*	20	0,05
02-0135	10	5			50	0,14
02-0134	10	8			80	0,22
02-0170	12	3			36	0,10
02-0155	12	4			48	0,13
02-0150	15	2		*	30	0,08
02-0000	15	3			45	0,12
02-0001	15	5			75	0,20
02-0106	15	8			120	0,32
02-0138	15	12			180	0,49
02-0139	18	2,5			45	0,12
02-0002	20	2			40	0,11
02-0003	20	3			60	0,16
02-0004	20	4			80	0,22
02-0005	20	5			100	0,27
02-0129	20	6			120	0,32
02-0006	20	8			160	0,43
02-0007	20	10			200	0,54
02-0097	20	12			240	0,65
02-0105	20	15			300	0,81
02-0008	25	2			50	0,14
02-0009	25	3			75	0,20
02-0103	25	4			100	0,27
02-0089	25	5			125	0,34
02-0124	25	6			150	0,41
02-0112	25	8			200	0,54
02-0027	25	10			250	0,68
02-0126	25	12			300	0,81
02-0113	25	15			375	1,01
02-0028	25	20			500	1,35
02-0010	30	2			60	0,16
02-0011	30	3			90	0,24
02-0012	30	4			120	0,32
02-0013	30	5			150	0,41
02-0014	30	6			180	0,49
02-0015	30	8			240	0,65
02-0026	30	10			300	0,81

<b>Profile Code</b>	<b>A (mm)</b>	<b>B (mm)</b>	<b>r<sup>(***)</sup> (mm)</b>		<b>Area (mm<sup>2</sup>)</b>	<b>Weight (Kg/m)</b>
02-0110	30	12			360	0,97
02-0029	30	15			450	1,22
02-0030	30	20			600	1,62
02-0031	30	25			750	2,03
02-0148	35	3			105	0,28
02-0102	35	4			140	0,38
02-0164	35	5			175	0,47
02-0114	35	8			280	0,76
02-0107	35	10			350	0,95
02-0147	35	12			420	1,13
02-0130	35	15			525	1,42
02-0172	35	20			700	1,89
02-0016	40	2			80	0,22
02-0017	40	3			120	0,32
02-0018	40	4			160	0,43
02-0019	40	5			200	0,54
02-0020	40	6			240	0,65
02-0032	40	8			320	0,86
02-0033	40	10			400	1,08
02-0111	40	12			480	1,30
02-0034	40	15			600	1,62
02-0035	40	20			800	2,16
02-0108	40	25			1000	2,70
02-0122	40	30			1200	3,24
02-0169	45	3			135	0,36
02-0158	45	8			360	0,97
02-0167	45	15			675	1,82
02-0021	50	2			100	0,27
02-0036	50	3			150	0,41
02-0022	50	4			200	0,54
02-0023	50	5			250	0,68
02-0037	50	6			300	0,81
02-0038	50	8			400	1,08
02-0039	50	10			500	1,35
02-0116	50	12			600	1,62
02-0040	50	15			750	2,03
02-0151	50	18			900	2,43
02-0041	50	20			1000	2,70
02-0099	50	25			1250	3,38
02-0091	50	30			1500	4,05
02-0125	50	40			2000	5,40
02-0024	60	2			120	0,32
02-0025	60	3			180	0,49
02-0090	60	4			240	0,65
02-0042	60	5			300	0,81
02-0043	60	6			360	0,97
02-0044	60	8			480	1,30
02-0045	60	10			600	1,62
02-0123	60	12			720	1,94
02-0046	60	15			900	2,43
02-0047	60	20			1200	3,24

<b>Profile Code</b>	<b>A (mm)</b>	<b>B (mm)</b>	<b>r<sup>(***)</sup> (mm)</b>		<b>Area (mm<sup>2</sup>)</b>	<b>Weight (Kg/m)</b>
02-0048	60	25			1500	4,05
02-0049	60	30			1800	4,86
02-0050	60	40			2400	6,48
02-0159	65	5			325	0,88
02-0140	70	3			210	0,57
02-0104	70	4			280	0,76
02-0133	70	5			350	0,95
02-0131	70	6			420	1,13
02-0115	70	8			560	1,51
02-0051	70	10			700	1,89
02-0121	70	15			1050	2,84
02-0160	70	18			1260	3,40
02-0141	70	20			1400	3,78
02-0149	70	25			1750	4,73
02-0127	70	30			2100	5,67
02-0156	70	40			2800	7,56
02-0101	75	5			375	1,01
02-0109	75	10			750	2,03
02-0094	80	2			160	0,43
02-0098	80	3			240	0,65
02-0095	80	4			320	0,86
02-0052	80	5			400	1,08
02-0053	80	6			480	1,30
02-0054	80	8			640	1,73
02-0055	80	10			800	2,16
02-0117	80	12			960	2,59
02-0056	80	15			1200	3,24
02-0057	80	20			1600	4,32
02-0120	80	25			2000	5,40
02-0100	80	30			2400	6,48
02-0093	80	40			3200	8,64
02-0058	80	50			4000	10,80
02-0142	90	4			360	0,97
02-0137	90	5			450	1,22
02-0168	90	8			720	1,94
02-0154	90	10			900	2,43
02-0128	90	15			1350	3,65
02-0059	100	4			400	1,08
02-0060	100	5			500	1,35
02-0061	100	6			600	1,62
02-0062	100	8			800	2,16
02-0063	100	10			1000	2,70
02-0132	100	12			1200	3,24
02-0064	100	15			1500	4,05
02-0065	100	20			2000	5,40
02-0143	100	25			2500	6,75
02-0066	100	30			3000	8,10
02-0067	100	40			4000	10,80
02-0068	100	50			5000	13,50
02-0162	110	10			1100	2,97
02-0157	120	3			360	0,97



<b>Profile Code</b>	<b>A (mm)</b>	<b>B (mm)</b>	<b>r<sup>(***)</sup> (mm)</b>		<b>Area (mm<sup>2</sup>)</b>	<b>Weight (Kg/m)</b>
02-0070	120	5			600	1,62
02-0165	120	6			720	1,94
02-0071	120	8			960	2,59
02-0072	120	10			1200	3,24
02-0145	120	12			1440	3,89
02-0092	120	15			1800	4,86
02-0073	120	20			2400	6,48
02-0074	120	30			3600	9,72
02-0118	140	5			700	1,89
02-0136	140	8			1120	3,02
02-0146	150	4			600	1,62
02-0075	150	5			750	2,03
02-0077	150	8			1200	3,24
02-0078	150	10			1500	4,05
02-0161	150	12			1800	4,86
02-0096	150	15			2250	6,08
02-0079	150	20			3000	8,10
02-0080	160	10			1600	4,32
02-0144	160	12			1920	5,18
02-0163	160	15			2400	6,48
02-0081	180	10			1800	4,86
02-0153	180	12			2160	5,83
02-0119	180	15			2700	7,29
02-0082	200	5			1000	2,70
02-0166	200	6			1200	3,24
02-0083	200	8			1600	4,32
02-0084	200	10			2000	5,40
02-0085	200	15			3000	8,10
02-0086	200	20			4000	10,80
02-0087	250	8			2000	5,40
02-0088	250	10			2500	6,75



## Round bars

standart

03

**Notes:**

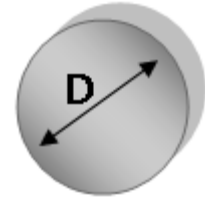
\* The weight of each profile is calculated by measuring it's cross-sectional area and multiplying it by the material density.

\*\* Alloy and Length is subject to customer's request.

\*\*\* Radii less than 1mm are not stated.

\* Additional charge

D = Diameter



Profile Code	D (mm)				Area (mm <sup>2</sup> )	Weight (Kg/m)
03-0035	6	*			28	0,08
03-0026	7	*			38	0,10
03-0000	8				50	0,14
03-0034	9				64	0,17
03-0001	10				79	0,21
03-0033	11				95	0,26
03-0002	12				113	0,31
03-0036	13,5				143	0,39
03-0037	14				154	0,42
03-0003	15				177	0,48
03-0011	16				201	0,54
03-0016	18				254	0,69
03-0004	20				314	0,85
03-0030	21				346	0,94
03-0017	22				380	1,03
03-0031	24				452	1,22
03-0005	25				491	1,33
03-0028	26				531	1,43
03-0032	28				616	1,66
03-0006	30				707	1,91
03-0018	32				804	2,17
03-0027	33				855	2,31
03-0019	34				908	2,45
03-0012	35				962	2,60
03-0015	36				1018	2,75
03-0020	38				1134	3,06
03-0007	40				1257	3,39
03-0025	41				1320	3,56
03-0021	42				1385	3,74
03-0029	44				1521	4,11
03-0013	45				1590	4,29
03-0008	50				1963	5,30
03-0022	55				2376	6,41
03-0009	60				2827	7,63
03-0023	65				3318	8,96
03-0014	68				3632	9,81
03-0024	70				3848	10,39

## Symmetrical L-Profiles (Angles)

standart

04

**Notes:**

\* The weight of each profile is calculated by measuring it's cross-sectional area and multiplying it by the material density.

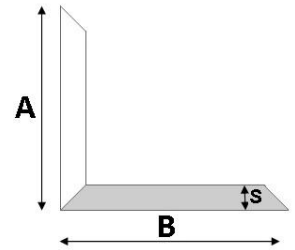
\*\* Alloy and Length is subject to customer's request.

\*\*\* Radii less than 1mm are not stated.

**A** = Width

**B** = Height

**s** = Thickness



Profile Code	A (mm)	B (mm)	s (mm)	r <sup>1</sup> (mm)	r <sup>2</sup> (mm)	Area (mm <sup>2</sup> )	Weight (Kg/m)
04-0056	15	15	1,2	*		35	0,09
04-0000	15	15	2			56	0,15
04-0001	15	15	3			81	0,22
04-0002	20	20	1,5			58	0,16
04-0003	20	20	2			76	0,21
04-0004	20	20	3			111	0,30
04-0049	20	20	4			144	0,39
04-0005	25	25	1,5			73	0,20
04-0006	25	25	2			96	0,26
04-0007	25	25	3			141	0,38
04-0051	25	25	4			184	0,50
04-0063	25	25	5			225	0,61
04-0058	30	30	1,5			88	0,24
04-0062	30	30	1,8			105	0,28
04-0008	30	30	2			116	0,31
04-0009	30	30	3			171	0,46
04-0010	30	30	4			224	0,60
04-0040	30	30	5			275	0,74
04-0011	35	35	2			136	0,37
04-0012	35	35	3			201	0,54
04-0013	35	35	4			264	0,71
04-0055	35	35	5			325	0,88
04-0015	40	40	2			156	0,42
04-0014	40	40	3			231	0,62
04-0020	40	40	4			304	0,82
04-0021	40	40	5			375	1,01
4	45	45	2			176	0,48
04-0048	45	45	5			425	1,15
04-0017	50	50	2			196	0,53
04-0018	50	50	3			291	0,79
04-0022	50	50	4			384	1,04
04-0023	50	50	5			475	1,28
04-0039	50	50	6			564	1,52
04-0044	50	50	8			736	1,99
04-0060	50	50	10			900	2,43
04-0019	60	60	2			236	0,64
04-0024	60	60	3			351	0,95

<b>Profile Code</b>	<b>A (mm)</b>	<b>A (mm)</b>	<b>s (mm)</b>	<b>r<sup>1</sup> (mm)</b>	<b>r<sup>2</sup> (mm)</b>	<b>Area (mm<sup>2</sup>)</b>	<b>Weight (Kg/m)</b>
04-0025	60	60	4			464	1,25
04-0026	60	60	5			575	1,55
04-0027	60	60	6			684	1,85
04-0046	60	60	8			896	2,42
04-0053	60	60	10			1100	2,97
04-0064	70	70	2,5			344	0,93
04-0052	70	70	5			675	1,82
04-0037	70	70	6			804	2,17
04-0041	70	70	7			931	2,51
04-0059	75	75	5			725	1,96
04-0045	80	80	2			316	0,85
04-0028	80	80	3			471	1,27
04-0043	80	80	4			624	1,68
04-0029	80	80	5			775	2,09
04-0030	80	80	6			924	2,49
04-0031	80	80	8			1216	3,28
04-0050	80	80	10			1500	4,05
04-0061	80	80	12			1776	4,80
04-0032	100	100	4			784	2,12
04-0054	100	100	5			975	2,63
04-0047	100	100	6			1164	3,14
04-0033	100	100	8			1536	4,15
04-0036	100	100	10			1900	5,13
04-0034	120	120	8			1856	5,01
04-0035	120	120	10			2300	6,21
04-0042	120	120	12			2736	7,39

## Asymmetrical L-Profiles (Angles)

### Notes:

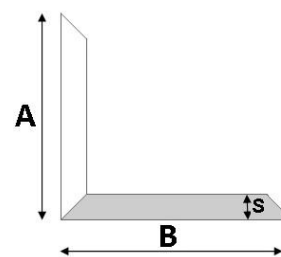
\* The weight of each profile is calculated by measuring it's cross-sectional area and multiplying it by the material density. The aluminium density is considered to be 2,70

\*\* Alloy and Length is subject to customer's request.

\*\*\* Radii less than 1mm are not stated.

**A** = Height  
**B** = Width  
**s** = Thickness

standart  
05



Profile Code	A (mm)	B (mm)	s (mm)	r <sup>1</sup> (mm)	r <sup>2</sup> (mm)	Area (mm <sup>2</sup> )	Weight (Kg/m)
05-0105	15	10	2			46	0,12
05-0000	20	10	2			56	0,15
05-0001	20	15	2			66	0,18
05-0084	25	10	2			66	0,18
05-0002	25	15	2			76	0,21
05-0003	25	20	2			86	0,23
05-0103	25	20	3			126	0,34
05-0004	30	10	2			76	0,21
05-0005	30	15	2			86	0,23
05-0006	30	20	2			96	0,26
05-0007	30	20	3			141	0,38
05-0134	30	20	4			184	0,50
05-0085	35	10	2			86	0,23
05-0095	35	15	3			141	0,38
05-0008	35	20	2			106	0,29
05-0096	35	20	3			156	0,42
05-0009	35	25	2			116	0,31
05-0115	35	25	3			171	0,46
05-0010	40	15	2			106	0,29
05-0011	40	20	2			116	0,31
05-0012	40	20	3			171	0,46
05-0013	40	20	4			224	0,60
05-0083	40	20	5			275	0,74
05-0123	40	25	2			126	0,34
05-0014	40	25	3			186	0,50
05-0015	40	30	2			136	0,37
5	40	30	3			201	0,54
05-0017	40	30	4			264	0,71
05-0150	45	10	2			106	0,29
05-0153	45	20	2			126	0,34
05-0018	45	30	3			216	0,58
05-0073	50	15	2			126	0,34
05-0019	50	20	2			136	0,37
05-0113	50	20	3			201	0,54
05-0076	50	25	2			146	0,39
05-0020	50	25	3			216	0,58
05-0021	50	30	2			156	0,42

<b>Profile Code</b>	<b>A (mm)</b>	<b>A (mm)</b>	<b>s (mm)</b>	<b>r<sup>1</sup> (mm)</b>	<b>r<sup>2</sup> (mm)</b>	<b>Area (mm<sup>2</sup>)</b>	<b>Weight (Kg/m)</b>
05-0022	50	30	3			231	0,62
05-0078	50	30	4			304	0,82
05-0030	50	30	5			375	1,01
05-0023	50	40	2			176	0,48
05-0024	50	40	3			261	0,70
05-0077	50	40	4			344	0,93
05-0144	50	45	5			450	1,22
05-0070	55	45	5			475	1,28
05-0142	60	10	2			136	0,37
05-0025	60	20	2			156	0,42
05-0089	60	20	3			231	0,62
05-0133	60	25	2			166	0,45
05-0026	60	30	2			176	0,48
05-0027	60	30	3			261	0,70
05-0149	60	30	4			344	0,93
05-0031	60	30	5			425	1,15
05-0145	60	35	2			186	0,50
05-0028	60	40	2			196	0,53
05-0029	60	40	3			291	0,79
05-0032	60	40	4			384	1,04
05-0033	60	40	5			475	1,28
05-0125	60	40	6			564	1,52
05-0126	60	50	5			525	1,42
05-0118	65	50	4			444	1,20
05-0130	65	50	5			550	1,49
05-0151	70	15	2			166	0,45
05-0141	70	15	3			246	0,66
05-0034	70	20	2			176	0,48
05-0092	70	25	2,5			231	0,62
05-0074	70	30	2			196	0,53
05-0100	70	30	3			291	0,79
05-0094	70	40	2			216	0,58
05-0114	70	40	5			525	1,42
05-0086	70	50	3			351	0,95
05-0081	75	50	4			484	1,31
05-0079	75	50	5			600	1,62
05-0155	75	50	7			826	2,23
05-0035	80	20	2			196	0,53
05-0124	80	25	2			206	0,56
05-0090	80	25	2,5			256	0,69
05-0036	80	30	3			321	0,87
05-0037	80	40	2			236	0,64
05-0038	80	40	3			351	0,95
05-0039	80	40	4			464	1,25
05-0091	80	40	5			575	1,55
05-0082	80	40	6			684	1,85
05-0068	80	50	2			256	0,69
05-0136	80	50	4			504	1,36
05-0122	80	50	5			625	1,69
05-0152	80	50	6			744	2,01
05-9001	80	60	3			411	1,11

<b>Profile Code</b>	<b>A (mm)</b>	<b>A (mm)</b>	<b>s (mm)</b>	<b>r<sup>1</sup> (mm)</b>	<b>r<sup>2</sup> (mm)</b>	<b>Area (mm<sup>2</sup>)</b>	<b>Weight (Kg/m)</b>
05-0120	80	60	4			544	1,47
05-0067	80	60	6			804	2,17
05-0128	90	40	2			256	0,69
05-0041	100	20	2			236	0,64
05-0137	100	30	2			256	0,69
05-0042	100	30	3			381	1,03
05-0138	100	40	2			276	0,75
05-0043	100	40	3			411	1,11
05-0044	100	40	4			544	1,47
05-0045	100	50	3			441	1,19
05-0046	100	50	5			725	1,96
05-0066	100	50	6			864	2,33
05-0104	100	50	8			1136	3,07
05-0087	100	50	10			1400	3,78
05-0135	100	60	4			624	1,68
05-0047	100	60	6			924	2,49
05-0119	100	60	8			1216	3,28
05-0117	100	64	8			1248	3,37
05-0116	100	70	2			336	0,91
05-0146	100	70	4			664	1,79
05-0099	100	80	4			704	1,90
05-0069	100	80	6			1044	2,82
05-0148	110	30	2			276	0,75
05-0097	120	20	2			276	0,75
05-0050	120	40	3			471	1,27
05-0071	120	40	4			624	1,68
05-0051	120	50	5			825	2,23
05-0052	120	60	6			1044	2,82
05-0053	120	60	8			1376	3,72
05-0054	120	80	3			591	1,60
05-0072	120	80	10			1900	5,13
05-0080	120	80	15			2775	7,49
05-0088	125	85	8			1616	4,36
05-0143	130	30	3			471	1,27
05-0140	130	80	8			1616	4,36
05-0131	135	40	3			516	1,39
05-0132	135	40	6			1014	2,74
05-0139	135	100	5			1150	3,11
05-0055	140	40	3			531	1,43
05-0056	150	50	4			784	2,12
05-0098	150	50	5			975	2,63
05-0057	150	75	8			1736	4,69
05-0121	150	80	6			1344	3,63
05-0058	150	100	5			1225	3,31
05-0129	150	100	10			2400	6,48
05-0059	160	40	3			591	1,60
05-0147	160	40	4			784	2,12
05-0106	160	50	3			621	1,68
05-0060	180	40	3			651	1,76
05-0127	180	40	4			864	2,33
05-0101	180	70	10			2400	6,48





## T-Profiles

standart

06

### Notes:

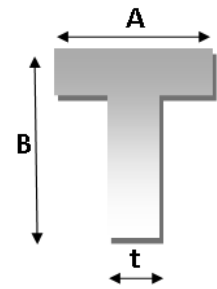
\* The weight of each profile is calculated by measuring it's cross-sectional area and multiplying it by the material density.

\*\* Alloy and Length is subject to customer's request.

\*\*\* Radii less than 1mm are not stated.

\* Additional charge

**A** = Width  
**B** = Height  
**t** = Thickness



Profile Code	B Height (mm)	A Width (mm)	t (mm)	r (mm)	Area (mm <sup>2</sup> )	Weight (Kg/m)
06-0031	15	15	2		56	0,15
06-0012	20	20	2		76	0,21
06-0017	25	25	3		141	0,38
06-0026	25	40	2		126	0,34
06-0030	30	30	2		116	0,31
06-0018	30	30	3		171	0,46
06-0027	40	30	3		201	0,54
06-0016	40	40	3		231	0,62
06-0001	40	40	4		304	0,82
06-0029	40	60	3		291	0,79
06-0042	45	45	3		261	0,70
06-0023	50	50	3		291	0,79
06-0004	50	50	4		384	1,04
06-0011	50	70	1,8		213	0,57
06-0010	50	80	2		256	0,69
06-0009	50	100	2		296	0,80
06-0025	50	100	10		1400	3,78
06-0015	50	120	2		336	0,91
06-0022	50	140	2		376	1,02
06-0000	60	30	4		344	0,93
06-0028	60	40	5		475	1,28
06-0037	60	60	3		351	0,95
06-0005	60	60	4		464	1,25
06-0006	60	60	6		684	1,85
06-0014	60	100	5		775	2,09
06-0043	60	120	2		356	0,96
06-0033	70	60	4		504	1,36
06-0032	70	70	3		411	1,11
06-0039	70	70	5		675	1,82
06-0020	80	50	4		504	1,36
06-0003	80	50	5		625	1,69
06-0019	80	80	3		471	1,27
06-0034	80	80	5		775	2,09
06-0008	80	80	6		924	2,49
06-0038	80	120	8		1536	4,15
06-0007	100	60	5		775	2,09
06-0013	100	100	2	*	396	1,07



## U-Profiles (U-Channels)

### Notes:

\*The weight of each profile is calculated by measuring it's cross-sectional area and multiplying it by the material density.

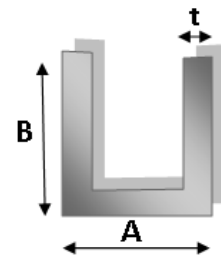
\*\*Alloy and Length is subject to customer's request.

\*\*\*Radii less than 1mm are not stated.

standart

07

**A** = Width  
**B** = Height  
**t** = Thickness



Profile Code	B Height (mm)	A Width (mm)	t (mm)	r (mm)	Area (mm <sup>2</sup> )	Weight (Kg/m)
07-0079	10	10	10	1,5	41	0,11
07-0055	10	10	10	2	52	0,14
07-0037	10	20	10	2	72	0,19
07-0063	12	25	12	2	90	0,24
07-0005	15	15	15	2	82	0,22
07-0057	15	30	15	2	112	0,30
07-0109	15	40	15	2	132	0,36
07-0085	20	10	20	2	92	0,25
07-0095	20	15	20	2	102	0,28
07-0064	20	20	20	1,5	86	0,23
07-0000	20	20	20	2	112	0,30
07-0084	20	20	20	3	162	0,44
07-0006	20	25	20	2	122	0,33
07-0001	20	30	20	2	132	0,36
07-0007	20	35	20	2	142	0,38
07-0008	20	40	20	2	152	0,41
07-0081	20	40	20	2,5	188	0,51
07-0083	20	40	20	3	222	0,60
07-0009	20	45	20	2	162	0,44
07-0053	20	50	20	2	172	0,46
07-0049	20	60	20	2	192	0,52
07-0041	20	80	20	2	232	0,63
07-0040	20	100	20	2	272	0,73
07-0038	20	120	20	2	312	0,84
07-0070	25	15	25	1,5	93	0,25
07-0002	25	25	25	2	142	0,38
07-0010	25	25	25	3	207	0,56
07-0086	25	35	25	2	162	0,44
07-0104	25	40	25	2	172	0,46
07-0108	25	50	25	2,5	238	0,64
07-0091	25	50	25	3	282	0,76
07-0094	25	55	25	2	202	0,55
07-0003	30	20	30	2	152	0,41
07-0050	30	30	30	2	172	0,46
07-0004	30	30	30	3	252	0,68
07-0011	30	40	30	3	282	0,76

<b>Profile Code</b>	<b>B Height (mm)</b>	<b>A Width (mm)</b>	<b>t (mm)</b>	<b>r (mm)</b>	<b>Area (mm<sup>2</sup>)</b>	<b>Weight (Kg/m)</b>
07-0078	30	45	30	4	388	1,05
07-0012	30	50	30	2	212	0,57
07-0013	30	50	30	3	312	0,84
07-0014	30	50	30	4	408	1,10
07-0092	30	50	30	5	500	1,35
07-0015	30	60	30	3	342	0,92
07-0080	30	60	30	4	448	1,21
07-0052	30	80	30	3	402	1,09
07-0071	30	90	30	2	292	0,79
07-0072	30	120	30	2	352	0,95
07-0073	30	140	30	2	392	1,06
07-0077	35	25	35	2	182	0,49
07-0074	35	30	35	2	192	0,52
07-0016	35	35	35	2	202	0,55
07-0107	35	35	35	3	297	0,80
07-0043	35	58	35	2	248	0,67
07-0018	40	20	40	2	192	0,52
07-0082	40	20	40	2,5	238	0,64
07-0019	40	25	40	2	202	0,55
07-0034	40	30	40	2	212	0,57
07-0042	40	30	40	3	312	0,84
07-0051	40	40	40	2	232	0,63
07-0106	40	40	40	2,5	288	0,78
07-0020	40	40	40	3	342	0,92
07-0021	40	40	40	4	448	1,21
07-0044	40	50	40	4	488	1,32
07-0101	40	50	40	5	600	1,62
07-0022	40	60	40	3	402	1,09
07-0023	40	60	40	4	528	1,43
07-0036	40	60	40	5	650	1,76
07-0056	40	80	40	3	462	1,25
07-0075	40	80	40	4	608	1,64
07-0103	40	80	40	6	888	2,40
07-0098	40	90	40	3	492	1,33
07-0017	40	100	40	3	522	1,41
07-0062	40	100	40	4	688	1,86
07-0100	40	106	40	3	540	1,46
07-0039	40	120	40	3	582	1,57
07-0096	45	55	45	2	282	0,76
07-0035	50	30	50	3	372	1,00
07-0047	50	40	50	2	272	0,73
07-0088	50	50	50	2	292	0,79
07-0025	50	50	50	3	432	1,17
07-0026	50	50	50	4	568	1,53
07-0027	50	50	50	5	700	1,89
07-0028	50	80	50	3	522	1,41
07-0059	50	80	50	5	850	2,30
07-0029	50	90	50	3	552	1,49
07-0058	50	100	50	3	582	1,57
07-0060	50	100	50	4	768	2,07
07-0024	50	100	50	5	950	2,57

<b>Profile Code</b>	<b>B Height (mm)</b>	<b>A Width (mm)</b>	<b>t (mm)</b>	<b>r (mm)</b>	<b>Area (mm<sup>2</sup>)</b>	<b>Weight (Kg/m)</b>
07-0087	50	150	50	16	3488	9,42
07-0099	55	65	55	2,5	425	1,15
07-0093	55	120	55	10	2100	5,67
07-0067	60	30	60	2	292	0,79
07-0097	60	30	60	3	432	1,17
07-0048	60	40	60	5	750	2,03
07-0030	60	60	60	3	522	1,41
07-0046	60	60	60	4	688	1,86
07-0031	60	60	60	5	850	2,30
07-0068	60	120	60	8	1792	4,84
07-0069	60	140	60	6	1488	4,02
07-0061	63	125	63	6	1434	3,87
07-0066	70	62	70	5	960	2,59
07-0045	75	80	75	5	1100	2,97
07-0065	80	72	80	5	1110	3,00
07-0032	80	80	80	4	928	2,51
07-0076	80	80	80	5	1150	3,11
07-0089	80	125	80	8	2152	5,81
07-0033	80	160	80	8	2432	6,57
07-0090	85	85	85	3	747	2,02
07-0054	100	100	100	5	1450	3,92

## Z-Profiles

### Notes:

\*The weight of each profile is calculated by measuring it's cross-sectional area and multiplying it by the material density.

\*\*Alloy and Length is subject to customer's request.

\*\*\*Radii less than 1mm are not stated.

**A<sub>1</sub>** = Width 1

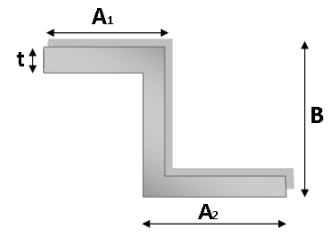
**A<sub>2</sub>** = Width 2

**B** = Height

**t** = Thickness

standart

08



Profile Code	A <sub>1</sub> (mm)	B (mm)	A <sub>2</sub> (mm)	t (mm)	Area (mm <sup>2</sup> )	Weight (Kg/m)
08-0010	15	10	15	2	72	0,19
08-0005	15	15	15	2	82	0,22
08-0006	15	20	15	2	92	0,25
08-0004	18	43	18	3	219	0,59
08-0000	20	20	20	2	112	0,30
08-0007	25	25	25	2	142	0,38
08-0011	25	25	25	3	207	0,56
08-0008	30	30	30	2	172	0,46
08-0001	30	30	30	3	252	0,68
08-0003	30	40	30	3	282	0,76
08-0009	40	30	40	2	212	0,57
08-0002	40	40	40	3	342	0,92

## Square tubes

standart

09

**Notes:**

\* The weight of each profile is calculated by measuring it's cross-sectional area and multiplying it by the material density.

\*\* Alloy and Length is subject to customer's request.

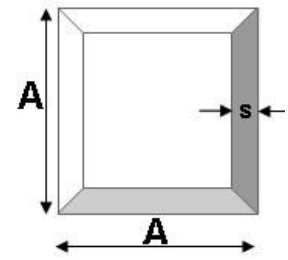
\*\*\* Radii less than 1mm are not stated.

\* Additional charge

**A** = Width

**A** = Height

**s** = Thickness



Profile Code	A (mm)	s (mm)			Area (mm <sup>2</sup> )	Weight (Kg/m)
09-0054	10	1,5			51	0,14
09-0004	15	1,5			81	0,22
09-0005	15	2			104	0,28
09-0006	20	1,5			111	0,30
09-0010	20	2			144	0,39
09-0051	20	3			204	0,55
09-0007	25	1,5			141	0,38
09-0008	25	2			184	0,50
09-0009	25	3			264	0,71
09-0040	30	1,5			171	0,46
09-0000	30	2			224	0,60
09-0001	30	3			324	0,87
09-0002	35	2			264	0,71
09-0049	35	3			384	1,04
09-0050	35	4			496	1,34
09-0003	40	1,5			231	0,62
09-0012	40	2			304	0,82
09-0013	40	2,5			375	1,01
09-0014	40	3			444	1,20
09-0015	40	4			576	1,56
09-0044	40	5			700	1,89
09-0016	45	2			344	0,93
09-0017	50	2			384	1,04
09-0056	50	2,5			475	1,28
09-0018	50	3			564	1,52
09-0019	50	4			736	1,99
09-0020	50	5			900	2,43
09-0058	55	2			424	1,14
09-0042	60	1,5			351	0,95
09-0021	60	2			464	1,25
09-0022	60	3			684	1,85
09-0023	60	4			896	2,42
09-0046	60	5			1100	2,97
09-0024	70	2			544	1,47
09-0052	70	3			804	2,17
09-0025	70	4			1056	2,85

Profile Code	A (mm)	s (mm)			Area (mm <sup>2</sup> )	Weight (Kg/m)
09-0026	80	2	*		624	1,68
09-0027	80	3			924	2,49
09-0028	80	4			1216	3,28
09-0029	80	5			1500	4,05
09-0047	80	6			1776	4,80
09-0053	85	4			1296	3,50
09-0039	89	3,5			1197	3,23
09-0030	90	4			1376	3,72
09-0043	90	5			1700	4,59
09-0031	100	2	*		784	2,12
09-0032	100	3			1164	3,14
09-0033	100	4			1536	4,15
09-0034	100	5			1900	5,13
09-0057	100	6			2256	6,09
09-0038	120	2	*		944	2,55
09-0035	120	2,5	*		1175	3,17
09-0036	120	4			1856	5,01
09-0037	120	5			2300	6,21
09-0048	145	3	*		1704	4,60
09-0055	150	3	*		1764	4,76
09-0041	150	5			2900	7,83





## Rectangular tubes

### Notes:

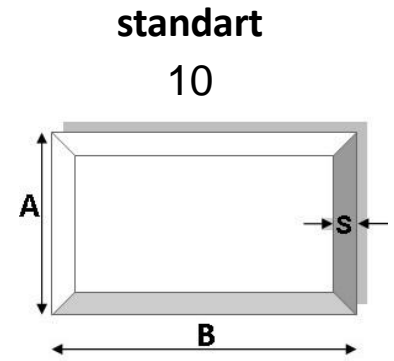
\*The weight of each profile is calculated by measuring it's cross-sectional area and multiplying it by the material density.

\*\*Alloy and Length is subject to customer's request.

\*\*\*Radii less than 1 mm are not stated.

### \*Additional

**A** = Width  
**B** = Height  
**s** = Thickness



Profile Code	A (mm)	B (mm)	s (mm)		Area (mm <sup>2</sup> )	Weight (Kg/m)
10-0100	20	10	1,2		66	0,18
10-0014	20	10	1,5		81	0,22
10-0015	20	10	2		104	0,28
10-0131	20	15	1,5		96	0,26
10-0016	20	15	2		124	0,33
10-0017	25	15	1,5		111	0,30
10-0018	25	15	2		144	0,39
10-0134	25	20	1,5		126	0,34
10-0167	25	20	2		164	0,44
10-0000	30	10	1,5		111	0,30
10-0097	30	10	2		144	0,39
10-0099	30	15	1,5		126	0,34
10-0001	30	15	2		164	0,44
10-0002	30	20	1,5		141	0,38
10-0003	30	20	2		184	0,50
10-0148	30	20	3		264	0,71
10-0145	30	25	3		294	0,79
10-0133	35	15	2		184	0,50
10-0154	35	20	1,5		156	0,42
10-0004	35	20	2		204	0,55
10-0168	35	25	1,5		171	0,46
10-0125	35	25	2		224	0,60
10-0005	40	10	2		184	0,50
10-0006	40	15	2		204	0,55
10-0019	40	20	1,2		138	0,37
10-0007	40	20	1,5		171	0,46
10-0008	40	20	2		224	0,60
10-0020	40	20	3		324	0,87
10-0009	40	25	1,5		186	0,50
10-0010	40	25	2		244	0,66
10-0127	40	25	3		354	0,96
10-0011	40	30	2		264	0,71
10-0021	40	30	3		384	1,04
10-0132	40	30	4		496	1,34
10-0152	45	20	2		244	0,66
10-0105	45	25	2		264	0,71
10-0112	45	34	3		438	1,18

<b>Profile Code</b>	<b>A (mm)</b>	<b>B (mm)</b>	<b>s (mm)</b>		<b>Area (mm<sup>2</sup>)</b>	<b>Weight (Kg/m)</b>
10-0022	50	15	2		244	0,66
10-0120	50	20	1,5		201	0,54
10-0012	50	20	2		264	0,71
10-0023	50	20	3		384	1,04
10-0126	50	25	1,5		216	0,58
10-0013	50	25	2		284	0,77
10-0110	50	25	3		414	1,12
10-0024	50	30	2		304	0,82
10-0159	50	30	2,5		375	1,01
10-0025	50	30	3		444	1,20
10-0146	50	34	3		468	1,26
10-0026	50	40	2		344	0,93
10-0027	50	40	2,5		425	1,15
10-0028	50	40	3		504	1,36
10-0029	50	40	4		656	1,77
10-0143	60	15	2		284	0,77
10-0030	60	20	1,5		231	0,62
10-0031	60	20	2		304	0,82
10-0135	60	20	3		444	1,20
10-0032	60	20	4		576	1,56
10-0033	60	25	2		324	0,87
10-0115	60	25	3		474	1,28
10-0111	60	30	1,5		261	0,70
10-0034	60	30	2		344	0,93
10-0035	60	30	3		504	1,36
10-0036	60	30	4		656	1,77
10-0140	60	34	3		528	1,43
10-0037	60	40	2		384	1,04
10-0038	60	40	2,5		475	1,28
10-0039	60	40	3		564	1,52
10-0040	60	40	4		736	1,99
10-0165	60	40	5		900	2,43
10-0138	60	50	2		424	1,14
10-0041	60	50	3		624	1,68
10-0042	60	50	4		816	2,20
10-0155	65	20	2		324	0,87
10-0149	70	20	1,5		261	0,70
10-0137	70	20	2		344	0,93
10-0160	70	30	3		564	1,52
10-0043	70	40	3		624	1,68
10-0163	70	40	4		816	2,20
10-0164	75	35	2,5		525	1,42
10-0156	75	45	2		464	1,25
10-0044	80	20	1,5		291	0,79
10-0045	80	20	2		384	1,04
10-0170	80	25	2		404	1,09
10-0046	80	30	2		424	1,14
10-0047	80	30	3		624	1,68
10-0169	80	30	4		816	2,20
10-0048	80	40	1,5		351	0,95
10-0049	80	40	2		464	1,25

<b>Profile Code</b>	<b>A (mm)</b>	<b>B (mm)</b>	<b>s (mm)</b>		<b>Area (mm<sup>2</sup>)</b>	<b>Weight (Kg/m)</b>
10-0050	80	40	2,5		575	1,55
10-0051	80	40	3		684	1,85
10-0052	80	40	4		896	2,42
10-0053	80	50	2		504	1,36
10-0054	80	50	3		744	2,01
10-0055	80	50	4		976	2,64
10-0056	80	60	3		804	2,17
10-0057	80	60	4		1056	2,85
10-0128	80	70	5		1400	3,78
10-0123	85	30	2		444	1,20
10-0117	90	40	3		744	2,01
10-0124	100	18	1,8		412	1,11
10-0151	100	18	2		456	1,23
10-0058	100	20	2		464	1,25
10-0059	100	25	2		484	1,31
10-0104	100	30	2		504	1,36
10-0060	100	30	3		744	2,01
10-0119	100	40	2		544	1,47
10-0061	100	40	3		804	2,17
10-0062	100	40	4		1056	2,85
10-0063	100	50	2		584	1,58
10-0064	100	50	3		864	2,33
10-0065	100	50	4		1136	3,07
10-0102	100	50	5		1400	3,78
10-0118	100	60	2,5		775	2,09
10-0066	100	60	3		924	2,49
10-0067	100	60	4		1216	3,28
10-0136	100	60	5		1500	4,05
10-0068	100	80	3		1044	2,82
10-0108	120	18	2		536	1,45
10-0069	120	20	2		544	1,47
10-0121	120	30	3		864	2,33
10-0070	120	40	2		624	1,68
10-0071	120	40	4		1216	3,28
10-0109	120	50	3		984	2,65
10-0072	120	50	4		1296	3,50
10-0073	120	60	3		1044	2,82
10-0074	120	60	4		1376	3,72
10-0075	120	80	3		1164	3,14
10-0147	120	90	2		824	2,22
10-0113	130	30	3		924	2,49
10-0076	130	50	4		1376	3,72
10-0077	140	18	2		616	1,66
10-0078	140	40	4		1376	3,72
10-0098	140	60	2,5		975	2,63
10-0114	140	60	4		1536	4,15
10-0130	140	60	8		2944	7,95
10-0079	140	80	4		1696	4,58
10-0101	150	18	2		656	1,77
10-0107	150	30	2		704	1,90
10-0103	150	30	2,5		875	2,36

<b>Profile Code</b>	<b>A (mm)</b>	<b>B (mm)</b>	<b>s (mm)</b>		<b>Area (mm<sup>2</sup>)</b>	<b>Weight (Kg/m)</b>
10-0080	150	40	4		1456	3,93
10-0081	150	50	2		784	2,12
10-0106	150	50	3		1164	3,14
10-0082	150	50	4		1536	4,15
10-0139	150	50	5		1900	5,13
10-0122	150	50	6		2256	6,09
10-0083	150	60	3		1224	3,30
10-0161	150	60	4		1616	4,36
10-0084	150	60	5		2000	5,40
10-0158	150	80	4		1776	4,80
10-0085	150	100	3		1464	3,95
10-0141	150	120	5		2600	7,02
10-0086	160	40	2	*	784	2,12
10-0162	160	40	4		1536	4,15
10-0087	160	60	4		1696	4,58
10-0088	160	60	5		2100	5,67
10-0089	160	80	4		1856	5,01
10-0166	180	18	2		776	2,10
10-0090	180	40	4		1696	4,58
10-0091	180	50	4		1776	4,80
10-0092	180	60	3		1404	3,79
10-9001	180	60	4		1856	5,01
10-0093	180	80	4		2016	5,44
10-0142	200	18	2		856	2,31
10-0153	200	30	2,8	*	1257	3,39
10-0116	200	40	3		1404	3,79
10-0094	200	50	2,5		1225	3,31
10-0095	200	50	4		1936	5,23
10-0096	200	60	4		2016	5,44
10-0144	200	65	3		1554	4,20
10-0172	200	80	4		2176	5,88
10-0171	200	100	4		2336	6,31

## Round tubes

**standart**

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**Notes:**

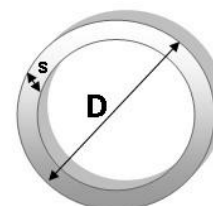
\*The weight of each profile is calculated by measuring it's cross-sectional area and multiplying it by the material density.

\*\*Alloy and Length is subject to customer's request.

\*\*\*Radii less than 1 mm are not stated.

**D**= Outer Diameter

**s** = Thickness



**\*Additional**

Profile Code	D (mm)	d (mm)	s (mm)		Area (mm <sup>2</sup> )	Weight (Kg/m)
11-0073	8	6	1	*	22	0,06
11-0078	10	8	1	*	28	0,08
11-0125	10	7	1,5		40	0,11
11-0061	10	6	2		50	0,14
11-0136	10	6	3		50	0,14
11-0145	11	9	1	*	31	0,08
11-0091	12	10	1	*	35	0,09
11-0157	12	9	1,5	*	49	0,13
11-0062	12	8	2		63	0,17
11-0117	13	11	1	*	38	0,10
11-0108	13	9	2		69	0,19
11-0129	14	12	1	*	41	0,11
11-0072	14	10	2		75	0,20
11-0077	15	13	1	*	44	0,12
11-0090	15	11	2		82	0,22
11-0164	15	7	4		138	0,37
11-9004	16	14	1	*	47	0,13
11-0063	16	12	2		88	0,24
11-0096	16	11	2,5		106	0,29
11-0144	16	10	3		123	0,33
11-0146	17	10	3,5		148	0,40
11-0070	18	14	2		101	0,27
11-0131	19	17	1	*	57	0,15
11-0158	19	16	1,5		82	0,22
11-0133	19	15	2		107	0,29
11-0107	20	18	1	*	60	0,16
11-0082	20	17	1,5		87	0,24
11-0000	20	16	2		113	0,31
11-0149	20	15	2,5		137	0,37
11-0001	20	14	3		160	0,43
11-0067	20	12	4		201	0,54
11-0075	20	10	5		236	0,64
11-0115	22	20	1	*	66	0,18
11-0074	22	18	2		126	0,34
11-9005	23	21	1	*	69	0,19
11-0097	25	23	1	*	75	0,20
11-9006	25	22,6	1,2	*	90	0,24

<b>Profile Code</b>	<b>D (mm)</b>	<b>d (mm)</b>	<b>s (mm)</b>		<b>Area (mm<sup>2</sup>)</b>	<b>Weight (Kg/m)</b>
11-0069	25	22	1,5		111	0,30
11-0002	25	21	2		145	0,39
11-0161	25	20	2,5		177	0,48
11-0003	25	19	3		207	0,56
11-0084	25	15	5		314	0,85
11-0098	28	26	1	*	85	0,23
11-0086	28	24	2		163	0,44
11-0080	30	27	1,5		134	0,36
11-0004	30	26	2		176	0,48
11-0166	30	25	2,5		216	0,58
11-0005	30	24	3		254	0,69
11-0132	30	22	4		327	0,88
11-0011	30	20	5		393	1,06
11-0099	32	30	1	*	97	0,26
11-0151	32	29	1,5		144	0,39
11-0012	32	28	2		188	0,51
11-0155	32	25	3,5		313	0,85
11-0148	35	33	1	*	107	0,29
11-9001	35	32,4	1,3	*	138	0,37
11-0006	35	31	2		207	0,56
11-0066	35	30	2,5		255	0,69
11-0007	35	29	3		302	0,81
11-0126	35	27	4		390	1,05
11-0013	35	25	5		471	1,27
11-0138	37,5	29,5	4		421	1,14
11-0123	38	36	1	*	116	0,31
11-0134	38	34	2		226	0,61
11-0119	38	30	4		427	1,15
11-9007	40	37,6	1,2	*	146	0,39
11-0014	40	37	1,5		181	0,49
11-0008	40	36	2		239	0,64
11-0094	40	35	2,5		295	0,80
11-0009	40	34	3		349	0,94
11-0015	40	32	4		452	1,22
11-0016	40	30	5		550	1,48
11-0121	40	28	6		641	1,73
11-0017	42	36	3		368	0,99
11-0165	42	32	5		581	1,57
11-0010	45	41	2		270	0,73
11-0127	45	40	2,5		334	0,90
11-0018	45	39	3		396	1,07
11-0093	45	35	5		628	1,70
11-0103	46	33	6,5		807	2,18
11-0019	48	44	2		289	0,78
11-0128	48	43	2,5		357	0,96
11-0020	48	42	3		424	1,15
11-0021	48	40	4		553	1,49
11-9008	48,3	43,3	2,5		360	0,97
11-0118	48,3	40,7	3,8		531	1,43
11-0159	48,3	40,2	4,05		563	1,52
11-0089	50	48	1	*	154	0,42

<b>Profile Code</b>	<b>D (mm)</b>	<b>d (mm)</b>	<b>s (mm)</b>		<b>Area (mm<sup>2</sup>)</b>	<b>Weight (Kg/m)</b>
11-0022	50	47	1,5	*	229	0,62
11-0023	50	46	2		302	0,81
11-0024	50	45	2,5		373	1,01
11-0025	50	44	3		443	1,20
11-0026	50	42	4		578	1,56
11-0027	50	40	5		707	1,91
11-0064	50	30	10		1257	3,39
11-9002	50	26	12		1433	3,87
11-0095	50	20	15		1649	4,45
11-0140	53	47	3		471	1,27
11-0076	55	51	2		333	0,90
11-0083	55	50	2,5		412	1,11
11-0102	55	45	5		785	2,12
11-0028	60	57	1,5	*	276	0,74
11-0029	60	56	2	*	364	0,98
11-0030	60	55	2,5		452	1,22
11-0031	60	54	3		537	1,45
11-0032	60	52	4		704	1,90
11-0033	60	50	5		864	2,33
11-0156	60	40	10		1571	4,24
11-0154	60	30	15		2121	5,73
11-0081	60	20	20		2513	6,79
11-0065	62,5	58,5	2	*	380	1,03
11-0120	63	53	5		911	2,46
11-0034	65	61	2	*	396	1,07
11-0035	65	60	2,5		491	1,33
11-0104	65	55	5		942	2,54
11-0079	65	50	7,5		1355	3,66
11-0147	65	25	20		2827	7,63
11-0036	70	66	2	*	427	1,15
11-0037	70	64	3		631	1,70
11-0101	70	62	4		829	2,24
11-0038	70	60	5		1021	2,76
11-0110	70	54	8		1558	4,21
11-0150	70	50	10		1885	5,09
11-0113	70	30	20		3142	8,48
11-0039	75	70	2,5		569	1,54
11-0040	75	65	5		1100	2,97
11-0071	75	45	15		2827	7,63
11-0137	76	71	2,5		577	1,56
11-0068	76	70	3		688	1,86
11-0041	80	76	2	*	490	1,32
11-0105	80	75	2,5	*	609	1,64
11-0042	80	74	3	*	726	1,96
11-0092	80	72	4		955	2,58
11-0043	80	70	5		1178	3,18
11-0163	80	60	10		2199	5,94
11-0088	83	73	5		1225	3,31
11-0044	90	85	2,5		687	1,86
11-0087	90	84	3		820	2,21
11-0162	90	82	4		1081	2,92







## Rectangular tubes with rounded corners

standart

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**Notes:**

\*The weight of each profile is calculated by measuring it's cross-sectional area and multiplying it by the material density.

\*\*Alloy and Length is subject to customer's request.

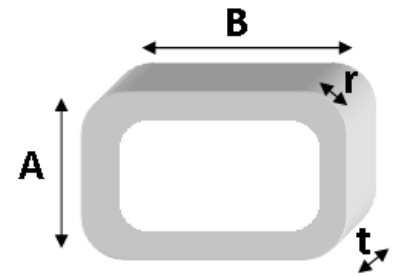
\*\*\*Radii less than 1 mm are not stated.

**A** = Height

**B** = Width

**t** = Thickness

**r** = Corner radius



Profile Code	B (mm)	A (mm)	t (mm)	r <sup>(***)</sup> (mm)	Area (mm <sup>2</sup> )	Weight (Kg/m)
13-9001	25	15	2	3	136	0,37
13-0000	30	20	2	2	181	0,49
13-0001	35	25	2	2	221	0,60
13-0002	40	20	2	2	221	0,60
13-0010	40	25	2	5	223	0,60
13-0011	40	30	2	5	243	0,65
13-0012	50	30	2	2	301	0,81
13-0015	50	30	3	3	436	1,18
13-0019	50	30	3	6	413	1,12
13-0007	60	40	2	2	381	1,03
13-0006	60	40	2,5	2	472	1,27
13-0004	60	40	3	3	556	1,50
13-0016	60	50	3	3	616	1,66
13-0018	80	20	2	3	376	1,02
13-0009	80	30	3	3	616	1,66
13-0014	80	40	4	3	888	2,40
13-0017	80	50	3	3	736	1,99
13-0008	80	60	4	6	1025	2,77