

EXALCO
ALUMINIUM SYSTEMS

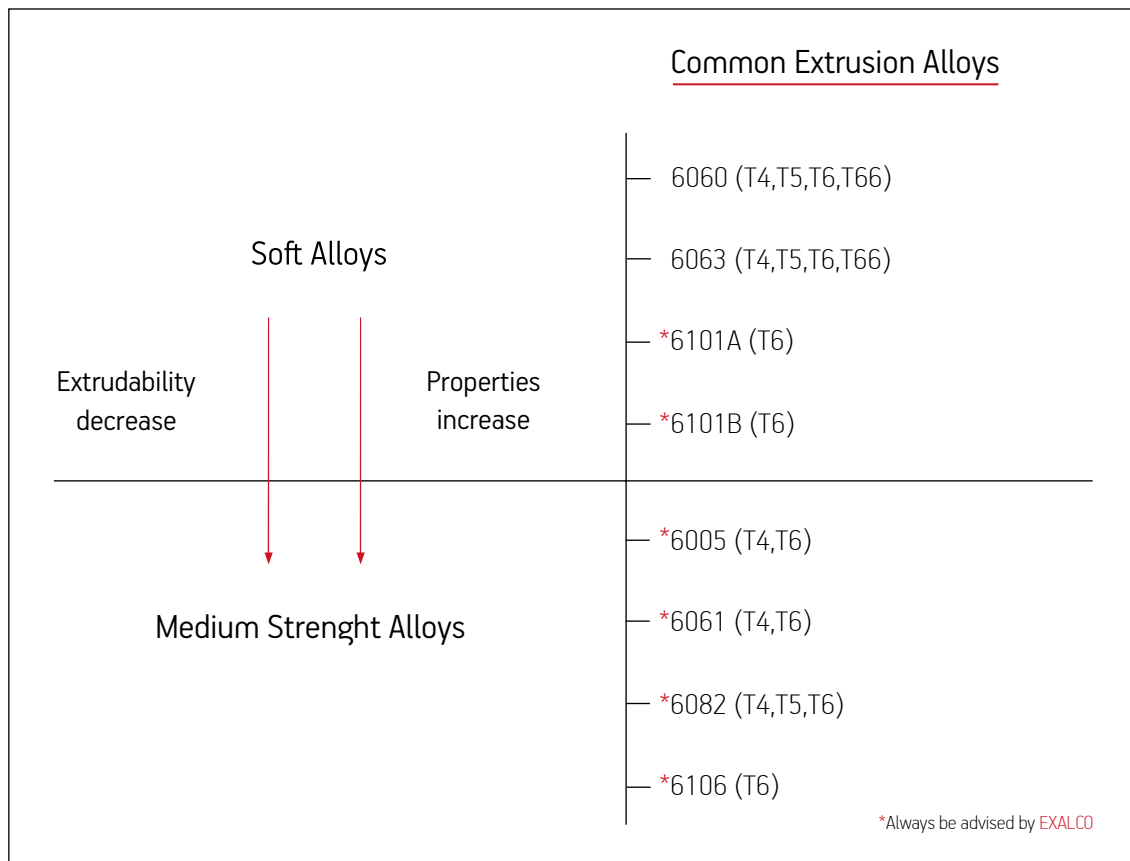
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**STANDARD
PROFILES
US
CATALOG**

EXTRUSION CAPABILITIES

- Extruded Profile Dimension: **MAXDIAGONAL 10 Inches.** (Always be advised by EXALCO)
- Weight per ft: **MAX 10 LBS/FT.** (Always be advised by EXALCO)
- Standard length: **236 Inches.** (Special lengths after agreement)

6XXX SERIES ALUMINIUM ALLOYS



TEMPER DESIGNATION T (according to EN 515)

- T4** - Solution heat treated & naturally aged.
- T5** - Cooled from an elevated temperature forming operation & artificially aged.
- T6** - Solution heat treated & artificially aged (**precipitation hardened**)
Press quenching required
- T66** - Cooled from an elevated temperature forming operation & artificially aged (**precipitation hardened**)
to a higher level of mechanical properties through special control of a manufacturing process.
Press quenching required.

EN STANDARD	DESCRIPTION
EN 515	Temper designation
EN 573-3	Chemical composition of all alloys
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 755-8	Porthole tubes, tolerances on dimension & form
EN 755-9	Profiles, tolerances on dimension & form

SWG

conversion table

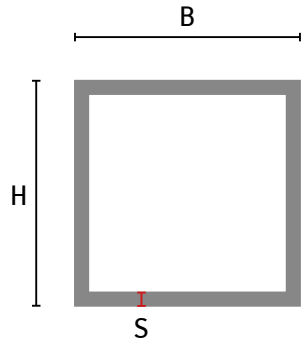
S.W.G.	Inches	mm
0	0,324"	8,23
1	0,300"	7,62
2	0,276"	7,01
3	0,252"	6,4
4	0,232"	5,89
5	0,212"	5,385
6	0,192"	4,877
7	0,176"	4,47
8	0,160"	4,064
9	0,144"	3,658
10	0,128"	3,251
11	0,116"	2,946
12	0,104"	2,64
13	0,092"	2,337
14	0,080"	2,03
15	0,072"	1,829
16	0,064"	1,63
17	0,056"	1,422
18	0,048"	1,219
19	0,040"	1,016
20	0,036"	0,914
21	0,032"	0,813
22	0,028"	0,711
23	0,024"	0,61
24	0,022"	0,559
25	0,020"	0,508



ISO 9001:2015
ISO 14001:2015
ISO 50001:2011
OHSAS 18001:2007
CE/EN 15088:2005

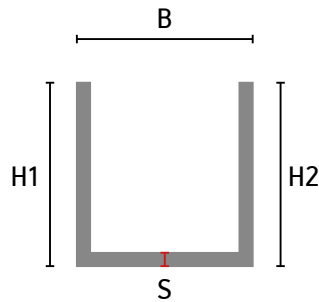


SQUARE TUBE PROFILES



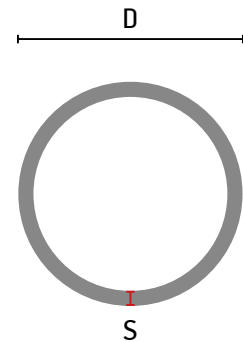
No. Profile	Dimensions			Weight
	H	B	S	LBS/FT
4380	0.62" X	0.62" X	0.035"	0.097
4243	1.3/4" X	1.3/4" X	0.075"	0.587
4245	4" X	4" X	0.087"	1.587
IMST0001	1.1/2" X	1.1/2" X	10SWG	0.822
IMST0002	2.1/2" X	2.1/2" X	10SWG	1.421
IMST0003	2" X	2" X	10SWG	1.122
IMST0004	5/8" X	5/8" X	12SWG	0.253

U SHAPED CHANNELS PROFILES



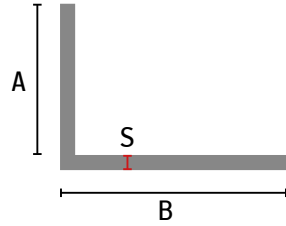
No. Profile	Dimensions				Weight
	H1	B	H2	S	LBS/FT
IMCH0001	1.1/2" X	1" X	1.1/2" X	1/8"	0.550
IMCH0002	1" X	3" X	1" X	1/8"	0.696

ROUND TUBE PROFILES



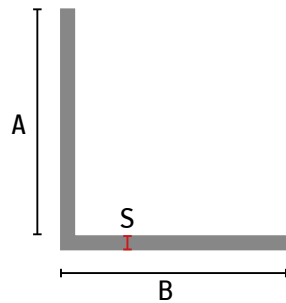
No. Profile	Dimensions		Weight
	D	S	LBS/FT
IMROT0001	4"	16SWG	0.927
F12.6X1.625	1/2"	16SWG	0.101
F42.3X2.8	1.2/3"	1/9"	0.630
F76.2X0.9	3"	0.035"	0.386
F76.2X2.6	3"	0.102"	1.091
F88.9X0.9	3.1/2"	0.035"	0.452
F101.6X1	4"	0.039"	0.573
F101.6X1.1	4"	0.043"	0.630
F101.6X1.25	4"	0.049"	0.715
F101.6X1.5	4"	0.059"	0.856
F114.3X3	4.1/2"	0.118"	1.903
F114.3X3.6	4.1/2"	0.142"	2.271
F114.3X6	4.1/2"	0.236"	3.704
F126.9X10.3	5"	0.406"	6.845
IMROT0004	2"	16SWG	0.456
IMROT0005	1"	16SWG	0.221
IMROT0006	3/4"	16SWG	0.162
F33.7X2	1.1/3		0.362
F33.7X3	1.1/3		0.525
IMROT0007	5"	10SWG	2.293
IMROT0008	2.1/4	16SWG	0.516
IMROT0009	1.1/2	12SWG	0.534
IMROT0010	4.1/2"	7SWG	2.799

UNEQUAL ANGLE PROFILES



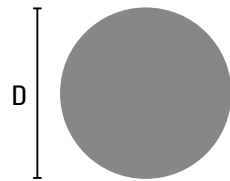
No. Profile	Dimensions				Weight	
	H		B		S	gr/m
G178	2"	X	1"	X	0.063"	0.216
IMUA0002	3"	X	2"	X	1/8"	0.713
IMUA0003	1.1/2"	X	1"	X	1/8"	0.348
IMUA0004	3"	X	2"	X	1/4"	1.390
IMUA0005	1.1/2"	X	1/2"	X	1/8"	0.275
IMUA0006	2.1/2"	X	2"	X	1/8"	0.641
IMUA0007	4"	X	2"	X	1/4"	1.683
IMUA0008	2.1/2"		2"		1/4"	1.244

EQUAL ANGLE PROFILES



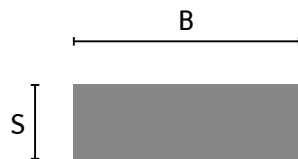
No. Profile	Dimensions				Weight	
	H		B		S	LBS/FT
IMEA0001	1.1/2"	X	1.1/2"	X	1/8"	0.421
IMEA0002	2"	X	2"	X	1/8"	0.568
IMEA0003	2"	X	2"	X	1/4"	1.097
G177	2"	X	2"	X	0.063"	0.290
IMEA0004	2"	X	2"	X	3/8"	1.592
IMEA0005	3"	X	3"	X	3/8"	2.478
IMEA0006	6"	X	6"	X	1/2"	6.730

ROUND BAR PROFILES



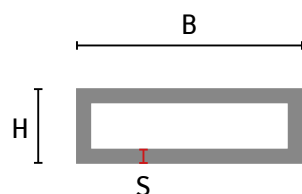
No. Profile	Dimensions		Weight	
		D		LBS/FT
IMRB0001		2.1/2"		5.746
IMRB0002		1.1/4"		1.437
IMRB0003		1.1/2"		2.068

FLAT BAR PROFILES



No. Profile	Dimensions			Weight	
	B		S	R	LBS/FT
IMFB0001	6"	X	1/4"		1.756
IMFB0002	1"	X	1/8"		0.146
IMFB0004	11/4"	X	3/16"		0.274

RECTANGULAR TUBE PROFILES



No. Profile	Dimensions				Weight	
	H		B		S	LBS/FT
4244	4"	X	1.75"	X	0.075"	0.981
IMRET0001	4"	X	2"	X	1/4"	3.219
IMRET0002	4"	X	2"	X	1/8"	1.685
IMRET0003	2.1/2"	X	1.1/4"	X	1/8"	1.031
IMRET0004	3"	X	1.3/4"	X	1/8"	1.326
IMRET0005	2"	X	1"	X	10SWG	0.822
IMRET0006	3"	X	1"	X	1/8"	1.099

