

The technical fiche of standard profile height 6,5 mm describes synthetically the main technical characteristics of the product deducible from the drawings and the technical specifications of the suppliers.

### Specifications of raw materials (UNI EN 485-2)

ALLOY	STATE	THICKNESS	Rm	Rp	A5%	A50 %
3003	H28	0,28 - 0,25 - 0,32 - 0,45	≥ 190	≥ 160	≥ 2	≥ 2
3005	H18	0,25 - 0,28	210 ÷ 250	≥ 190	≥ 3	--
3005	H26 *	0,32 - 0,35 - 0,39	195 ÷ 240	≥ 155	≥ 9	--
3005	H24 *	0,35	170 ÷ 225	≥ 130	≥ 12	≥ 6
3105	H18	0,32 - 0,35	≥ 195	≥ 180	≥ 1	--
3105	H28	0,28 - 0,32 - 0,45	≥ 215	≥ 190	≥ 1	--
3105	H29	0,32 - 0,35 - 0,39	≥ 210	≥ 190	≥ 5	--

*Tolerance on the thickness 0,01 mm*

\* Material used in the production of bendable profile.

Legend:  
Rm = unit breaking load in traction  
Rp = yield load  
A = elongation per cent

### Composition of raw material (UNI EN 573-3)

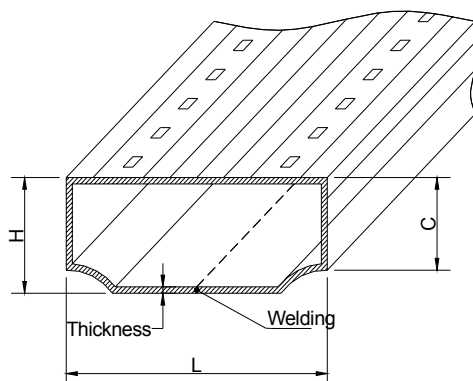
ALLOY 3003										
Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	other cad.	other tot.	Al
0,6	0,70	0,05 ÷ 0,20	1,0 ÷ 1,5	--	--	0,10	--	0,05	0,15	rest

ALLOY 3005										
Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	other cad.	other tot.	Al
0,60	0,70	0,30	1,0 ÷ 1,5	0,20 ÷ 0,60	0,10	0,25	0,10	0,05	0,15	rest

ALLOY 3105										
Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	other cad.	other tot.	Al
0,60	0,70	0,30	0,30 - 0,80	0,20 ÷ 0,80	0,20	0,40	0,10	0,05	0,15	rest

### Specifications of the finished product

Tolerance on the wideness	± 0,1 mm
Tolerance on the height	± 0,1 mm
Tolerance on the length	- 5 mm / + 10 mm
Check on the welding	Test with penetrating liquid (0 points/m) Check ultrasounds in line (Eddy Sensor)
Fogging test and volatile content	According to part "C" and "G" of the rules UNI (absent)
Residual greases	Test for the difference of weight after the degreasing (< 5 mg/m)
Permeability of holes	Test with flow meter (171 ± 26 l/m)
Painting (if made)	Paintings 100% polyester (thickness > 12 µm)
Oxidation (if made)	According to the type of colour thickness between 1- 5 µm



### Dimensions and tolerances

Profile	L ± 0,1 mm	H ± 0,1 mm	C ± 0,2 mm	Thickness ± 0,01 mm (Standard)	Thickness ± 0,01 mm (Thicker)	Thickness ± 0,01 mm (Bendable)
A040	4,00	6,50	4,50	0,28	-	-
A055	5,50	6,50	4,60	0,28	0,32	0,35
A065	6,50	6,50	5,10	0,28	-	0,35
A075	7,50	6,50	5,10	0,28	0,32	0,35
A085	8,50	6,50	5,10	0,28	0,32	0,35
A095	9,50	6,50	5,10	0,28	0,32	0,35
A105	10,50	6,50	5,10	0,28	-	0,35
A115	11,50	6,50	5,10	0,28	0,32	0,35
A125	12,50	6,50	5,10	0,32	-	0,35
A135	13,50	6,50	5,10	0,32	-	0,35
A145	14,50	6,50	5,10	0,32	-	0,35
A155	15,50	6,50	5,10	0,32	-	0,35
A165	16,50	6,50	5,10	0,32	-	0,35
A175	17,50	6,50	5,10	0,32	-	0,35
A195	19,50	6,50	5,10	0,32	-	0,39
A215	21,50	6,50	5,10	0,39	-	0,39
A235	23,50	6,50	5,10	0,39	-	0,39
A265	26,50	6,50	4,50	0,45	-	-

For painted spacers, outside dimensions are oversized of a level variable between 12 and 20  $\mu$   
 For anodized spacers, outside dimensions are oversized of a level variable between 3 and 5  $\mu$