

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	THICKNESS	Rp	A5%	A50%
3105	H29	0.0122 - 0.01378	≥ 0.00984	≥ 190		≥ 3
Tolerance on the thickness +/- 0.0039 in			Legend: Rm = unit breaking load in traction Rp = yield load A = elongation per cent			

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

LEGA 3105										
Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	other cad.	other tot.	Al
0.60	0,70	0,05 ÷ 0,20	1,0 ÷ 1,5	--	--	0,10	--	0,05	0,15	rest

### Specifications of the finished product

Tolerance on the wideness	+ 0.0039 in
Tolerance on the height	± 0.0039 in
Tolerance on the length	- 0.1969 in / + 0.3937 in
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 1279-6 (0%)
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 20 -24 µm) Painting on the side is 0.0984 in ± 0.0394 in
Oxidation (if made)	According to the type of colour thickness between 1- 5 µm

### Dimensions and tolerances

#### Quality aspects

##### 2.1 Quality management

ALU-PRO is certified according to UNI EN ISO 9001:2015

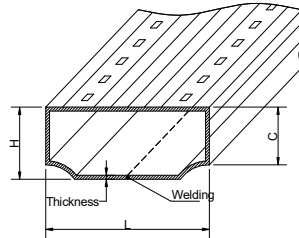
##### 2.2 Test of the product

Processes and routines are established to secure the quality of the delivered material. During production, the spacer are constantly monitored through a planning check. Data will be available for a period of 5 years.

##### Customer focus and warranty

To secure the performance of the spacer, the stock conditions must be acceptable. Broken packaging, high humidity and variations in temperature will have an effect on the spacer surface. It is recommended to check out these specific points.

On all aluminium spacer bars, ALU-PRO offers a 10 year product warranty. The warranty covers free exchange of spacers in case of a defect. The spacers must have been stored, installed, and used according to present norms and technical standards.



Profile	L	H	C	Thickness
	$\pm 0.0039$ in	$\pm 0.0039$ in	$\pm 0.0079$ in	$\pm 0.0004$ in Bendable
A047	0.1870	0.2559	0.1772	--
A055	0.2165	0.2559	0.1811	0.0138
A065	0.2259	0.2559	0.2008	0.0138
A075	0.2953	0.2559	0.2008	0.0138
A080	0.3150	0.2559	0.2008	0.0138
A085	0.3346	0.2559	0.2008	0.0138
A095	0.3740	0.2559	0.2008	0.0138
A105	0.4134	0.2559	0.2008	0.0138
A112	0.4409	0.2559	0.2008	0.0138
A115	0.4528	0.2559	0.2008	0.0138
A122	0.4800	0.2559	0.2008	0.0138
A125	0.4921	0.2559	0.2008	0.0138
A135	0.5315	0.2559	0.2008	0.0138
A143	0.5630	0.2559	0.2008	0.0138
A145	0.5709	0.2559	0.2008	0.0138
A152	0.5984	0.2559	0.2008	0.0138
A155	0.6102	0.2559	0.2008	0.0138
A167	0.6496	0.2559	0.2008	0.0138
A175	0.6890	0.2559	0.2008	0.0138
A185	0.7284	0.2559	0.2008	0.0138
A192	0.7559	0.2559	0.2008	0.0138
A195	0.7677	0.2559	0.2008	0.0138
A215	0.8465	0.2559	0.2008	0.0154
A235	0.9252	0.2559	0.2008	0.0154
A254	1.0000	0.2559	0.2008	0.0177
A265	1.0433	0.2559	0.2008	0.0177

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  $\mu$