

**TECHNICAL SPECIFICATIONS OF ALUMINIUM
PROFILES**

No	Specification	Value	Unit
1	Specific Gravity	2.71	gr / cm ³
2	Alloy Of Billet	6060 60 AlMgSi _{0,5}	AA-USA ETIAL-Turkey DIN Germany
3	Modulus Elongation	23*10	(200-100 C°) C°
4	Modulus Of Elasticity	6900	kg / mm ²
5	Tensile Strength	15.5	(at 24 C° kg / mm ²)
6	Elastic Strain	%8	Delta L/L*100 (50mm)
7	Hardness	60-65	Brinell (HB) kg / mm ²
8	Creep Strength	16	kg / mm ²
9	Shearing Strength	21-22	kg / mm ²
10	Powder Coating Thickness	70-100	μ (Micron)
11	Anodizing Thickness	10-11	μ (Micron)
12	Increasing Limit In Weight	%-4≤weight≤%6	kg

**TECHNICAL SPECIFICATIONS OF ALUMINIUM
PROFILES****LIMIT TOLERANCES OF OUTSIDE MEASUREMENTS (du/smin)**

Measure	≤ 100	100-200	200-300
0-10	± 0,15	± 0,15	± 0,15
10-15	± 0,20	± 0,20	± 0,20
15-30	± 0,25	± 0,25	± 0,25
30-45	± 0,30	± 0,30	± 0,30
45-60	± 0,40	± 0,40	± 0,40
60-90	± 0,45	± 0,45	± 0,45
90-120	± 0,50	± 0,50	± 0,50
120-150	-	± 0,80	± 0,80
150-180	-	± 1,00	± 1,00
180-240	-	± 1,20	± 1,20
240-300	-	-	± 1,50
300-350	-	-	± 1,80

TOLERANCES OF THICKNESS (du)

Thickness	≤ 100	100-350
0-2	± 0,15	± 0,20
2-3	± 0,15	± 0,25
3-6	± 0,20	± 0,30
6-10	± 0,25	± 0,35
10-15	± 0,30	± 0,40
15-20	± 0,35	± 0,45
20-30	± 0,40	± 0,50
30-40	± 0,45	± 0,60

TOLERANCE OF BULGE

Width	Tolerance (mm)
0-30	± 0,20
30-60	± 0,30
60-100	± 0,40
100-150	± 0,50
150-200	± 0,70
200-250	± 0,85
250-300	± 1,00
300-350	± 1,20

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TOLERANCES OF BULGE

Width (mm)		Length (mm)						
For	To	<1000	1000 - 2000	2000 - 3000	3000 - 4000	4000 - 5000	5000 - 6000	>6000
-	75	1,0	1,2	1,5	1,8	2,0	2,0	WILL BE SPECIFY WITH CUSTOMER
75	100	1,0	1,2	1,5	2,0	2,2	2,5	
100	125	1,0	1,5	1,8	2,2	2,5	3,0	
125	150	1,2	1,5	1,8	2,2	2,5	3,0	
150	200	1,5	1,8	2,2	2,6	3,0	3,5	
200	350	1,8	2,5	3,0	3,5	4,0	4,5	

SLOPE TOLERANCES

Slope Tolerances In Sensitive Stretchment Of Profiles

Length	<1000	1000 - 2000	2000 - 3000	3000 - 4000	4000 - 5000	5000 - 6000	>6000
Tolerance	0,7	1,3	1,8	2,2	2,6	3,0	3,5

 TECHNICAL SPECIFICATIONS OF ALUMINIUM PROFILES					
ANGLE TOLERANCES					
Width (mm)		Tolerance (mm)			
For	To				
-	30	0,3			
30	50	0,4			
50	80	0,5			
80	100	0,6			
100	120	0,7			
120	140	0,8			
140	160	0,9			
160	180	1,0			
180	200	1,2			
200	350	1,5			
LENGTH TOLERANCES					
(Du)		<2000	2000 - 5000	5000 - 10000	>10000
For	To				WILL BE SPECIFY WITH CUSTOMER
-	100	+5 0	+7 0	+10 0	
100	200	+7 0	+9 0	+12 0	
200	350	+8 0	+11 0	+14 0	