

Billets of Primary Aluminium Alloys

Alloy	6005/6060/6061/6063/6082
Diameters	6 - 13 inch / 152 - 330 mm
Max. length	6000 mm
Heat Treatment	Homogenised



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Chemical composition - according EN 573-3:2007

in Mass %

Alloy type													Others		Al
	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	Each	Total		
AlSiMg 6005	0.6 - 0.9	0.35	0.1	0.1	0.4 - 0.6	0.1	—	0.1	0.1	—	—	0.05	0.15	rest	
AlMgSi 6060	0.3 - 0.6	0.1 - 0.3	0.1	0.1	0.35 - 0.6	0.05	—	0.15	0.1	—	—	0.05	0.15	rest	
AlMg1SiCu 6061	0.4 - 0.8	0.7	0.15 - 0.4	0.15	0.8 - 1.2	0.04 - 0.35	—	0.25	0.15	—	—	0.05	0.15	rest	
AlMg0,7Si 6063	0.2 - 0.6	0.35	0.1	0.1	0.45 - 0.9	0.1	—	0.1	0.1	—	—	0.05	0.15	rest	
AlSi1MgMn 6082	0.7 - 1.3	0.5	0.1	0.4 - 1.0	0.6 - 1.2	0.25	—	0.2	0.1	—	—	0.05	0.15	rest	

Remark: two numbers mean the highest and lowest limits
one number means the maximum value.

Analysis method: optical emission as per ASTM E 1251-07.

Dimensions

Diameters	Length
152 mm (6 inch)	Max 6.000 mm
178 mm (7 inch)	
203 mm (8 inch)	
229 mm (9 inch)	
254 mm (10 inch)	
279 mm (11 inch)	
305 mm (12 inch)	
330 mm (13 inch)	

Tolerances

in mm

Diameters	Tolerances
152 ÷ 178	+ 0/-2
203 ÷ 330	+ 0/-3

Length	Deflection
± 10	less than 2 mm/m and less than 12 mm for the total length of 6.000 mm.

Heat treatment

Billets are homogenized at different temperatures depending on the alloy.

Special request

Tighter limits for alloying elements can be arranged on request.

Packaging

Each bundle is strapped onto three grooved and wedged hard wood spacers and secured with five steel bands. Standard dimensions for the grooved hard wood spacer are 75 mm x 75 mm x 815 mm.

Number of billets in a bundle:

Diameter [mm]	Number of billets in a bundle
152	5
178	5
203	4
229	4
254	4
279	3
305	3
330	2

Delivery

The delivery is performed FCA Slatina, FOB, DAF, DDU, DDP, CIF or CIP.