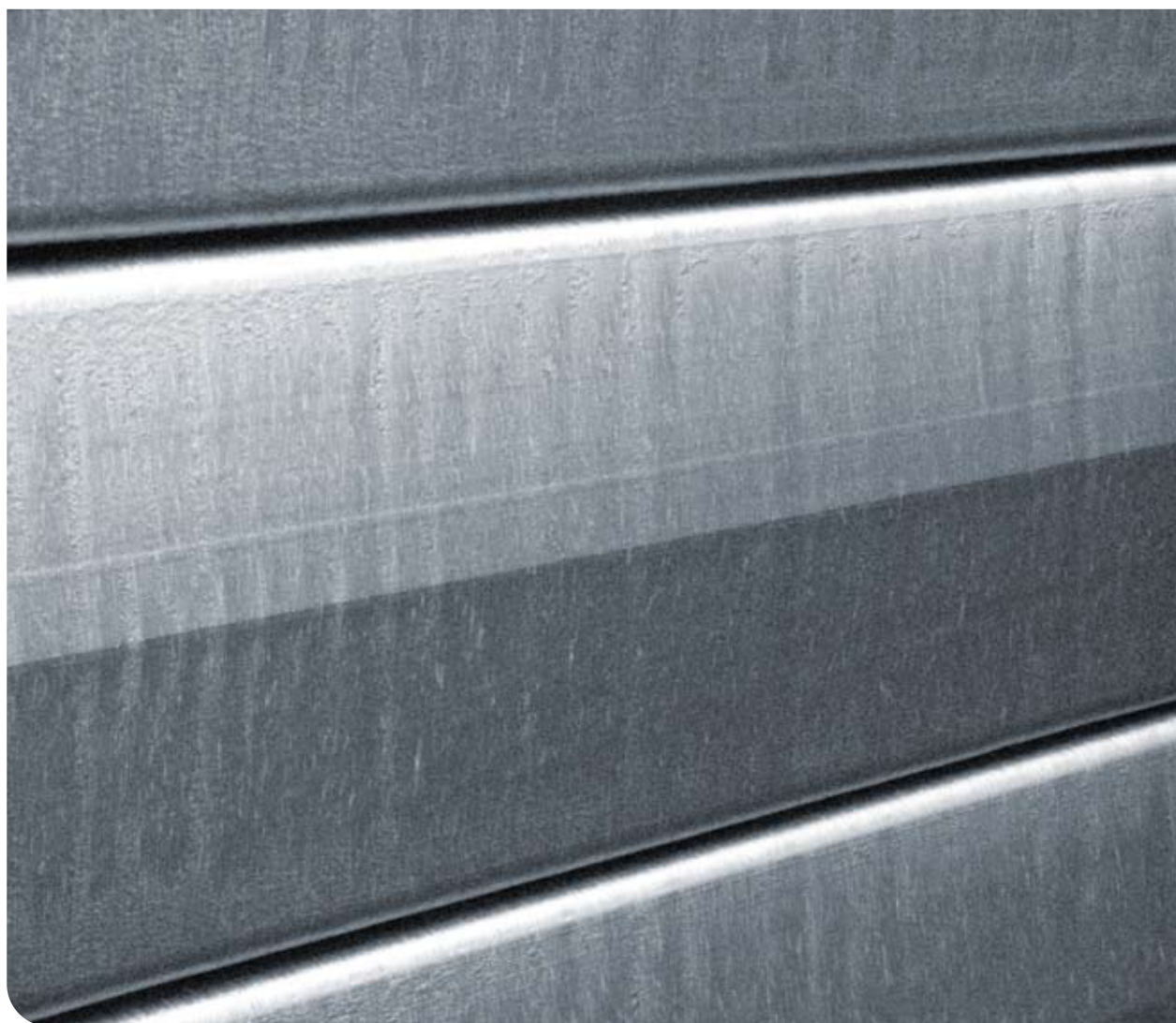


Aluminium and Aluminium Alloy Slabs

Alloys
Typical length

1xxx – 8xxx
3000 – 3500 mm or 6000 – 7000 mm
Different profiles from 1040 x 400 mm
to 1650 x 500 mm
(depending on alloy type)



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Aluminium and Aluminium Alloy Slabs



Chemical composition according to EN 573-3:2007, determined by optical emission according to ASTM E 1251-07

1xxx		3xxx		5xxx		7xxx	
Quality Code	Format Code	Quality Code	Format Code	Quality Code	Format Code	Quality Code	Format Code
1050A	1-8	3003	1-8	5005	5-14	7050	11-14
1070A	1-8	3004	5-10	5049	5-14	7075	11-14
1350	1-8	3104	5-10	5052	5-14	7175	11-14
		3103A	1-8	5083	11-14		
				5086	11-14		
				5456A	5-14		
				5754	5-14		
				5251	5-14		
2xxx		4xxx		6xxx		8xxx	
Quality Code	Format Code	Quality Code	Format Code	Quality Code	Format Code	Quality Code	Format Code
2014	11-14	4006	1-8	6061	5-14	8006	1-8
2017A	11-14			6063	5-14	8011A	1-8
2024	11-14			6082	5-14	8111	1-8

Format code for sizes in mm

No.	Size	No.	Size
1	1040 x 400	8	1540 x 500
2	1150 x 400	9	1420 x 500
3	1340 x 400	10	1640 x 500
4	1540 x 400	11	1350 x 500
5	1040 x 500	12	1450 x 500
6	1150 x 500	13	1550 x 500
7	1340 x 500	14	1650 x 500

Dimensions

The cast length is of 3500 ÷ 7500 mm and the typical length for the sawed slabs is 3000 – 3500 mm and 6000 – 7000 mm. Slabs can be delivered sawed or un-sawed, depending on the customer's requirements.

Heat treatment

Hard alloy slabs (2xxx and 7xxx alloys) are homogenized in the furnace at different temperatures depending on the alloy.

Dimensional tolerances in mm

Width tolerances	Thickness tolerances	Length tolerances
±10	± 5	* ± 25
±10	± 5	** ± 50

* for sawed slabs
** for un-sawed slabs

Packaging and transport

Each slab is strapped onto three grooved and wedged hard wood spacers with three steel strips. The standard dimensions for the grooved hard wood spacer are as follows: 75 x 75 mm (length depending on the slabs width).

Slab geometry tolerances in mm

Side deflection	Longitudinal deflection	Diagonal deflection	Sectional deflection (concavity and convexity)	Perpendicularity *
max. 6	max. 6	max. 6	max. 3	90°±1°

* towards any rolling face generator

