

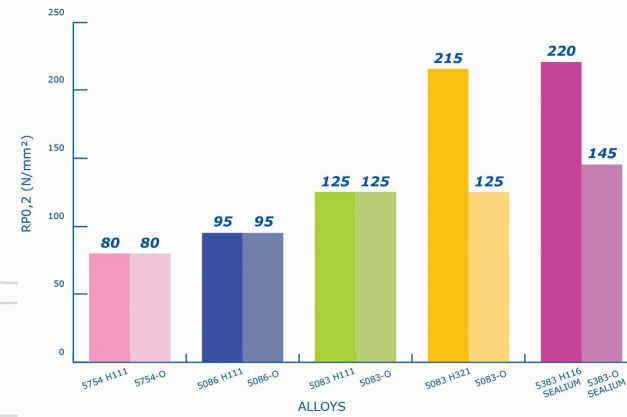
PLATES :

Thickness (mm)	1000 x 2000	1250 x 2500	1500 x 3000	1500 x 4000	2000 x 4000	2000 x 6000	2000 x 8000	2500 x 6000	2500 x 8000
0.5	■								
0.6	■								
0.8	■								
1	■	■	■	■	■				
1.2	■	■	■	■	■				
1.5	■	■	■	■	■				
1.6	■								
2	■	■	■	■	■	■	■		
2.5	■	■	■	■	■	■	■		
3	■	■	■	■	■	■	■	■	
4	■	■	■	■	■	■	■	■	■
5	■	■	■	■	■	■	■	■	■
6	■	■	■	■	■	■	■	■	■
7									
8	■	■	■	■	■	■	■	■	■
10	■	■	■	■	■	■	■	■	■
12	■	■	■	■	■	■	■	■	■
15	■	■	■	■	■	■	■	■	■
16	■	■	■	■	■	■	■	■	■
20	■	■	■	■	■	■	■	■	■
25	■	■	■	■	■	■	■	■	■
30	■	■	■	■	■	■	■	■	■
35	■	■	■	■	■	■	■	■	■
40	■	■	■	■	■	■	■	■	■
45	■	■	■	■	■	■	■	■	■
50	■	■	■	■	■	■	■	■	■
60	■	■	■	■	■	■	■	■	■
70									
80	■								
100									
120									
150									

5754 H111 ■ 5086 H111 ■ 5083 H111 ■ 5083 H321 ■ 5383 H116 ■ INOX 316L ■
Please contact us



PLATES YIELD STRENGTH - BEFORE & AFTER WELDING



Thickness tolerances according to EN 485-3 : 2003 standard

Specified thickness	Thickness tolerance for a specified width			
	Above	Below or equal to	Above 1600 up to 2000 included	Above 2000 up to 2500 included
≥2.5	4		± 0.32	± 0.35
4	5		± 0.35	± 0.40
5	6		± 0.40	± 0.45
6	8		± 0.40	± 0.50
8	10		± 0.50	± 0.55
10	15		± 0.65	± 0.65

These average mechanical specifications are given as an indication for 3 up to 50 mm thicknesses. They can not be guaranteed in any way. Rp0.2 value before welding (N / mm²) based on average mechanical properties at 20°C. Rp0.2 value after welding (N / mm²) issued from BV rule N4561.

WELDING

Filler metal according to welding alloys :

Welding alloys	5005 / 5050	5052 / 5454 / 5754	5083 / 5086	6000
6000 serie	Serie 4000	Serie 4000 Serie 5000	Serie 4000 Serie 5000	Serie 4000 Serie 5000
5083 / 5086	Serie 4000	Serie 5000	Serie 5000	
5052 / 5454 / 5754	Serie 4000	Serie 5000		
5005 / 5050	Serie 1000			

All the alloys of 1000, 3000, 5000, and 6000 series can be arc-welded together if the appropriate filler metal is chosen.

Most common filler alloys are :

1000 serie : **1050A**, 1080.
4000 serie : **4043A**, 4045, 4047A.
5000 serie : **5356**, 5556, 5183, 5087.

Our possibilities for transition joint : «Bi-metal»

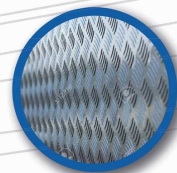
Steel	In between	Aluminium	Thickness	Width	Length
AS16 gr.55	AL 1050A	AL 5086	34.5mm	16, 20, 25 et 30mm	3800mm

SEALIUM CORROSION

SEALIUM (5383 H116) according to ASTM B928, guarantees a high level of resistance to corrosion.

TREAD PLATES :

Thickness (mm)	1000 x 2000	1250 x 2500	1500 x 3000
1.5-2	■		
2-3.5	■	■	■
3-4.5	■	■	■
4-5.5	■	■	■
5-6.5	■	■	■
5.5-7	■	■	■



- Cut to length / width possibilities.

BENDING

Alloy	Thickness (mm)	Inside radius typical value for cold-beding at 90° (e = thickness)				
		1.6 < e ≤ 3.2	3.2 < e ≤ 4.8	4.8 < e ≤ 6	6 < e ≤ 10	10 < e ≤ 12
5083	0 et H111	1e	1.25e	1.5e	2e	2.5e
	H116	2e	2.25e	2.5e	3e	
	H34	4e	5e	5.5e	6e	
5086	0 et H111	1e	1.25e	1.5e	2e	2.5e
	H24 et H34	2e	2e	2.5e	3e	
5754	0 et H111	1e	1e	1e	1.5e	2e
	H24 et H34	2e	2e	2.5e	2.5e	3e
6061	0	1e	1e	1e	1.5e	2e
	T6**	3.5e	3.5e	4e	4.5e	5e
6082	0	1e	1.5e	1.75e	2e	2.5e
	T6**	3.5e	4e	4.5e	5e	6e

* Extract of AFNOR NF A50-451 standard.

** Heat-treated alloys can bend with shorter radius if fold right after tempering.