Supporting a Wide Range of Dimensions

Higher plate thickness tolerance and flatness than ordinary types are achieved using sophisticated manufacturing technology. Supports a wide range of dimensional requirements such as plate width and thickness.

Dimensional Tolerance

Category	Alloy Number	Grade Category Product Name	Thickness (mm)	Thickness Tolerance (mm)	Width Tolerance (mm)	Length Tolerance (mm)	Flatness (mm/mm)
		1 TOUGHT NAME	4 or higher Less than 8	±0.04		(******)	(,
			8 or higher Less than 13	±0.05			
			13 or higher Less than 18	±0.08			
		High-precision	18 or higher Less than 20	±0.09			
		Alloy Plate FP52	20 or higher Less than 25	±0.10	+5 -0	+5 -0	0.2 or less /1,000
			25 or higher Less than 30	±0.12			
			30 or higher Less than 35	±0.15			
			35 or higher Less than 45	±0.20			
			45 or higher Less than 50	±0.25			
			4 or higher Less than 5	±0.06			0.2 or less /1,000
			5 or higher Less than 6	±0.07			
			6 or higher Less than 7	±0.08			
			7 or higher Less than 13	±0.10			
	5052		13 or higher Less than 16	±0.15	_	_	
			16 or higher Less than 18	±0.16	+5	+5 -0	
			18 or higher Less than 20	±0.18	-0		
		Standard	20 or higher Less than 22	±0.20			
		Alloy Plate	22 or higher Less than 23	±0.22			
		FusPlate	23 or higher Less than 28	±0.25			
			28 or higher Less than 31	±0.30			
			31 or higher Less than 36	±0.30	+5	.5	0.0 - 1
			36 or higher Less than 50	±0.40		+5 -0	0.3 or less
			50 or higher Less than 51	±0.50	-0	-0	/1,000
			51 or higher Less than 55	±0.50	+5 -0	+5 -0	
Alloy Plate			55 or higher Less than 65	±0.60			1.2 or less
			65 or higher Less than 75	±0.65			/1,000
			75 or higher 100 or less	±0.85			
	5083	General-use Alloy Plate JIS compliant	6 or higher 7 or less	±0.12	+5	+5 -0	1.2 /1,000
			More than 7 15 or less	±0.25			
			More than 15 22 or less	±0.30			
			More than 22 30 or less	±0.40			
			More than 30 35 or less	±0.50			
			More than 35 40 or less	±0.55			
			More than 40 50 or less	±0.65	-0		
			More than 50 55 or less	±0.75			
			More than 55 70 or less	±0.95			
			More than 70 75 or less	±1.15			
			More than 75 100 or less	±1.40			
			More than 6 8 or less	±0.50			
			More than 8 11 or less	±0.60			
	2017		More than 11 16 or less	±0.70			
	2024	General-use	More than 16 22 or less	±0.80			
	6101		More than 22 29 or less	±0.90	_	_	
		Alloy Plates	More than 29 35 or less More than 35 40 or less	±1.00 ±1.10	+5	+5	7 or less
	6061	JIS compliant	More than 40 50 or less	±1.10 ±1.30	-0	-0	/2,000
	7204		More than 50 55 or less	±1.50			
	7075		More than 55 70 or less	±1.50 ±1.90			
			More than 70 75 or less	±1.90 ±2.30			
			More than 75 100 or less	±2.80			
Extra- thick	5052	-	More than 100 640 or less	±2.80	±5	±5	Requires
Plate	5083						Consultation

Non-heat-treated Alloys

Heat-treated Alloys

Non-heat-treated Alloys (1000 Series, 3000 Series, 5000 Series)

Manufacturable Range (mm)										
Plate Width Thickness		1800	1900	2000	2200	2400	2500	3000	3500	4100
6										
10										
12										
20										
50										
100										
200										
350										
580										
640										
Manufacturable *Please inquire for details on length.										
Manufacturable (slab only)										
	Not Manufacturable									
	Requires Consultation									

■ Heat-treated Alloys (2000 Series)

Manufacturable Range (mm)											
Plate Width Thickness	1250	1525	1800	1900	2000	2300	2500	2600	3000		
0.5											
3											
10											
12											
15											
30											
60											
80											
100											
120											
150											
200											
	*Please inquire for details on length.										
1	Not Manufacturable										

Not Manufacturable

■ Heat-treated Alloys (6000 Series)

Manufacturable Range (mm)										
Plate Width Thickness	1250	1525	1800	2000	2500	2600	2750	3000		
0.5										
3										
10										
12										
15										
30										
60										
80										
100										
120										
150										
180										
250										
350										
*Please inquire for details on length										

Manufacturable Not Manufacturable *Please inquire for details on length.

Manufacturable Range (mm)											
Plate Width Plate Thickness	1250	1525	1800	2000	2300	2500	2600	3000			
2											
10											
12											
15											
30											
40											
50											
60											
80											
100											
130											
150											
200											
	Manufacturable (T6, T651) *Please inquire for details on length.										

Manufacturable (T6 only) Not Manufacturable