

Stainless Steel Service Center

Pont de Roide



ArcelorMittal

ArcelorMittal – Stainless Precision Europe offers a range of precision stainless steel from its Service Center at Pont de Roide.

The products available are produced on the same production lines as our mill products but allow us to fulfill more precise requirements such as :



**Shorter lead times
Smaller quantities
Specific finishes
Consistant quality**

Available products

Grades	177				K30	18-9E		18-10 L	18-11 ML	18-10 T
NF	1.4310				1.4016	1.4301		1.4306	1.4404	1.4541
EN-10088-2	X10CrNi18-8				X6Cr17	X5CrNi18-10		X2CrNi19-11	X2CrNiMo17-12-2	X6CrNiTi18-10
ASTM	AISI 301				AISI 430	AISI 304		AISI 304L	AISI 316L	AISI 321
A240										
Surface Finish	2H				2RB 2B	2RB 2B		2RB	2RB	2RB
Mechanical characteristics	C 850	C 1000	C 1150	C 1300	Tensile (Mpa/mm ²) 450 / 600 A% ≥ 20	Tensile (Mpa/mm ²) 540 / 750 A% ≥ 45		Tensile (Mpa/mm ²) 520 / 700 A% ≥ 45	Tensile (Mpa/mm ²) 530 / 680 A% ≥ 40	Tensile (Mpa/mm ²) 520 / 720 A% ≥ 40
	Tensile (Mpa/mm ²) 850-1000	Tensile (Mpa/mm ²) 1000-1150	Tensile (Mpa/mm ²) 1150-1300	Tensile (Mpa/mm ²) 1300-1500						
Thickness										
0.10mm				•			•		◦	
0.15mm				•			•	◦		
0.20mm				•	•		•		•	◦
0.25mm		•		•	•		•	◦	•	
0.30mm		•	•	•	•		•		•	◦
0.40mm		•	•	•	•		•	◦	◦	
0.50mm	•	•	•	•	•		•	◦		
0.60mm	•	•	•	•	•		•			
0.70mm				•						
0.80mm		•	•	•	•		•			
1.00mm		•	•	•	•		•			
1.20mm		•		•	•		•			
1.50mm				•	•		•			
2.00mm				•		•		•		

• Delivery time : 1 to 2 weeks ◦ Delivery time : 2 to 4 weeks

Finishing

		Width	Thickness
	Slit edges	4 to 670mm	0.1 to 2 mm
	Deburred edges	5 to 200 mm	0.2 to 2 mm
	Rounded edges		
	Squared edges		
Minimum Quantity		Width	Thickness
	Traverse winding	250 kg	7 to 35 mm **
			0.4 to 1.5 mm
Width		Length	Thickness
	Sheets	100 to 670mm	500 to 3 000 mm <small>(<500mm : please consult us)</small>
			0.2 to 2 mm

* For widths 10 times inferior to thickness : please consult us

** Maximum strip width : width x thickness = 52.5 mm²

Packing

Coil internal diameters

300 mm

406 mm

508 mm

Other diameters : please consult us

Traverse wound coils

Standard internal diameter = 406 mm

Width of coil = 150 to 500 mm

Maximum weight = 2000 kg

Dimensional tolerances

Tolérances on thickness

Thickness (mm)	Temper rolled	Annealed
0.10 to 0.15	+/- 0.010	+/- 0.010
0.15 to 0.20	+/- 0.015	+/- 0.015
0.20 to 0.25	+/- 0.015	+/- 0.015
0.25 to 0.30	+/- 0.017	+/- 0.017
0.30 to 0.40	+/- 0.020	+/- 0.040
0.40 to 0.50	+/- 0.025	+/- 0.040
0.50 to 0.60	+/- 0.030	+/- 0.045
0.60 to 0.80	+/- 0.030	+/- 0.050
0.80 to 1.00	+/- 0.030	+/- 0.055
1.00 to 1.20	+/- 0.035	+/- 0.060
1.20 to 1.50	+/- 0.040	+/- 0.070
1.50 to 2.00	+/- 0.050	+/- 0.080

Tolérances on width

Thickness (mm)	Widths (in mm)							
	w ≤ 40		40 < w ≤ 125		125 < w ≤ 250		250 < w ≤ 670	
	Standard	Tight	Standard	Tight	Standard	Tight	Standard	Tight
t < 0.25	+0.17	+0.13	+0.20	+0.15	+0.25	+0.20	+0.50	+0.50
	0	0	0	0	0	0	0	0
0.25 ≤ t < 0.50	+0.20	+0.15	+0.25	+0.20	+0.30	+0.22	+0.60	+0.50
	0	0	0	0	0	0	0	0
0.50 ≤ t < 1.00	+0.25	+0.22	+0.25	+0.22	+0.40	+0.25	+0.70	+0.60
	0	0	0	0	0	0	0	0
1.00 ≤ t < 1.50	+0.25	+0.22	+0.30	+0.25	+0.50	+0.30	+1.00	+0.70
	0	0	0	0	0	0	0	0
1.50 ≤ t < 2.00	+1.00	+0.60	+0.40	+0.25	+0.60	+0.40	+1.00	+0.80
	0	0	0	0	0	0	0	0

Tolérances on delivered quantities

< 250 kg	250 kg – 500 kg	500 kg – 1 000 kg	> 1 000 kg
+/- 25 %	+/- 20 %	+/- 15 %	+/- 10 %