



Manufacturer of flat stainless steel products

a world-class company

Our main production sites

- 01 Genk, Belgium
- 02 Chatelet, Belgium
- 03 Gueugnon, France
- 04 Isbergues, France
- 05 Imphy, France
- 06 Timóteo, Brazil

14

Steel service centers

08

Transformation facilities

20

Sales offices

2.5mt
Flat stainless steel
capacity in Europe
and South America

Business divisions



Stainless Services & Solutions

This division, which includes our tubes and precision businesses, performs three main activities:

- The management of direct sales of stainless steel products from our production facilities;
- Distribution of our products (and, to a less extent, those of our suppliers); and
- Transformation services, which include the provision of value-added and customised steel solutions to meet specific customer requirements.



Stainless & Electrical Steel

We are one of the largest global producers of stainless steel by production capacity. We produce a wide range of stainless and electrical steels in Europe and South America, and continuously expand our product offerings by developing new grades and finishes.



Alloys & Specialities

Believed to be the fourth largest producer of nickel alloys in the world, this division specialises in the design, production and transformation of various nickel alloys and certain specific stainless steels. Our products take the form of bars, semis, cold-rolled strips, plates, wire and wire rods, and come in a range of grades.

our values

Our three values are the means by which we will deliver our vision. They inform our every action:

Leadership

A leading company is bold, audacious, daring, and sustainable. A catalyst is not a pioneer in everything it does. It is about being bolder and audacious in our approach while remaining relevant to the marketplace. We are a stable driving force which encourages the development of new standards in the industry. We promote sustainable solutions.

Ingenuity

An ingenious company is clever, skilful, imaginative, and innovative. Ingenious is about thinking laterally, not literally. Our people are passionate and always keen to share their knowledge and skills. Sometimes this means developing new ideas or applications; other times it implies seeing things differently, with new eyes to find the appropriate solution without compromising quality.

Agility

An agile company is fast, adaptable, and flexible. Being agile is about moving faster and adapting to the changing market conditions with more ease. It is also about being flexible according to specific customer requirements, whether in terms of cost efficiency, lead time or product characteristics.

Aperam Poland

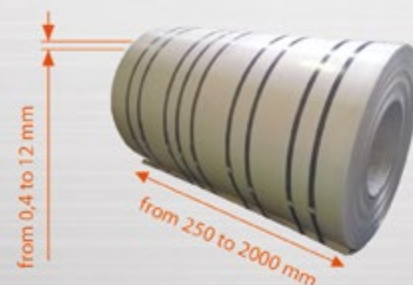


Our company is a leading supplier of flat stainless steel products. Thanks to a highly integrated network, we assure a full variety of products, including: martensitic, ferritic, austenitic, austenitic - molybdenum, austenitic - manganese, heat resisting and Duplex stainless steel grades.

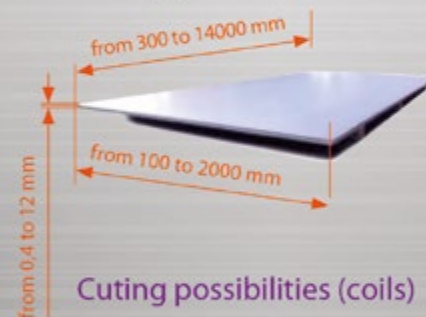
We guarantee services which match your requirements. With our equipment and machinery we offer coils lengthways cutting, sheets cutting, various grinding and polishing and other special finishing of surface.

At the moment we have a service warehouse centers with total surface of 15 thousand square meters. KARA K36 (1.4526 acc. to EN) stainless steel was used to build these building halls. As a reliable partner, we have implemented the Integrated Management System in accordance with ISO 9001, ISO/TS 16949, ISO 14001, OHSAS 18001 and SA 8000 in terms of quality, environment, occupational health and safety and social accountability, certified by TUV Rheinland and Dekra.

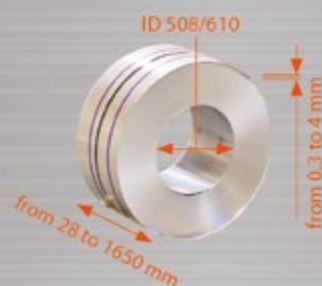
Raw material



Cuting possibilities (sheets)



Cuting possibilities (coils)



Slitting Line

thickness: 0,3 - 4,0mm
width: 28 - 1650mm
capacity: max. 60t /shift
finish: foil, paper



Blanking Line

thickness: 0,4 - 3,0mm
width: 100 - 600mm
length: 300 - 6000mm
capacity: max. 10t /shift
finish: foil, paper

our production
capacities



Polishing Line

thickness: 0,8 - 3,0mm
width: 400 - 1500mm
length: 1000 - 4000mm
capacity: max. 7,5t /shift
finish: foil



Cutting Line

thickness: 0,4 - 3,5mm
width: 400 - 1600mm
length: 400 - 8000mm
capacity: max. 50t /shift
finish: foil, paper



Cutting Line 2

thickness: 2,0 - 15,0 mm
width: 500 - 2100mm
length: 500 - 14000mm
capacity: max. 50t /shift
finish: foil, paper

Aperam’s Stainless steel grades

	Grades	ASTM	UNS	EN	Chemical compositions (indicative values) %							Mechanical properties annealed condition (typical values)		
					C	Si	Mn	Cr	Mo	Ni	Inne	Rm	Rp _{0.2}	A%
Feritic Stainless Steel Kara	K03 (F12N)		S41003	1.4003	0,015	0,50	0,60	11,00		0,40		510	370	26
	K09 (F12T)	409	S40900	1.4512	0,01	0,45	0,20	11,30			Ti = 0,180	420	250	32
	K09D (F12TD)	409	S40900	1.4512	0,01	0,45	0,20	11,30			Ti = 0,180	410	240	34
	K30 (F17)	430	S43000	1.4016	0,05	0,35	0,40	16,50				490	340	26
	K30D (F17DDQ)	430	S43000	1.4016	0,035	0,35	0,40	16,50				480	320	29
	K34 (F17MS)	434	S43400	1.4113	0,05	0,35	0,40	16,50	1,25			540	380	27
	K39M (F17T)	430Ti	S43036	1.4510	0,02	0,35	0,40	16,50			Ti = 0,400	450	290	30
	K41 (F18TNb)	441	S43932	1.4509	0,018	0,60	0,30	17,80			Ti+Nb = 0,650	480	310	30
	K36F17MnNb)	436	S43600	1.4526	0,04	0,40	0,50	17,80	1,25		Nb = 0,600	520	370	28
	K45 (F20NbCu)	445(1)	S44500	1.4621(2)	0,02	0,25	0,20	20,20			Nb = 0,4-Cu = 0,5	510	360	29
	K44 (F18MT)	444	S44400	1.4621	0,015	0,40	0,40	17,70	1,85		Ti+Nb = 0,450	510	360	29
Austenitic Stainless Steel with Manganese	17-4Mn	201.1	S20100	1.4618	0,05	0,40	6,00	16,80		4,50	Cu = 1,6 N = 0,08	665	330	50
Duplex	22-05	22-05	S32205	1.4462	0,02	0,30	1,80	22,80	3,10	5,50	N = 0,17	840	620	29
Austenitic Stainless Steel	18-9E	304	S30400	1.4301	0,05	0,50	1,10	18,20		8,05		670	340	50
	18-9ED	304	S30400	1.4301	0,04	0,50	1,20	18,20		8,10		630	300	55
	18-9DDQ	304	S30400	1.4301	0,04	0,50	1,10	18,20		9,10		610	285	57
	18-9L	304L	S30403	1.4307	0,025	0,50	1,40	18,20		8,05		620	270	50
	18-10T	321	S32100	1.4541	0,03	0,50	1,10	17,20		9,10	Ti = 0,300	630	270	48
Austenitic Stainless Steel with Molybdenium	18-11ML	316 316L	S31600 S31603	1.4401 1.4404	≤0,03	0,50	1,35	16,80	2,10	10,10		620	310	48
	17-11MT	316Ti	S31635	1.4571	0,04	0,50	1,20	16,80	2,10	10,70	Ti = 0,350	610		47
Heat resisting Stainless Steel	R20-12	309	1.4828	1.4006	0,05	1,60	1,30	19,30		11,40		640	310	50

R_m Tensile strength (MPa)
R_{p0.2} Proof strength at 0,2% (MPa)
A Elongation %
Sample according to ISO 6892-1: 20x80 mm (thickness < 3 mm)
Lo = 5.65√So (thickness ≥ 3 mm)
Sample according to ASTM A370: 12,5 x 50 mm

1 MPa = 1N/mm²
= 145 PSI
= 0,1kg/mm²

Surface aspects

Aperam’s Designation	Description of surface finish	International equivalents	
		ASTM	EN 10088
HRAP	Hot-rolled, annealed and pickled	N°1	1D
DIN	Hot-rolled with embossed DIN tear-plate pattern, annealed and pickled		1M
ASTM	Hot-rolled with embossed ASTM tear-plate pattern, annealed and pickled	pattern B	
HRC	Cold-rolled, rough, matt		2E
2D	Cold-rolled, annealed and pickled, not skinpassed	2D	2D
2B	Cold-rolled, annealed, pickled and skinpassed	2B	2B
2R	Cold-rolled, bright-annealed and skinpassed	BA	2R
2H	Coled-rolled without subsequent anneal for various hardness levels	TR	2H
P80D	Dry polished with 80-grit abrasive belts	N°3	2G
P120D	Dry polished with 120-grit abrasive belts	N°4	2G
P180D	Dry polished with 180-grit abrasive belts		2G
P220D	Dry polished with 220-grit abrasive belts		2G
P240D	Dry polished with 240-grit abrasive belts		2G
P320D	Dry polished with 320-grit abrasive belts		2G
P400D	Dry polished with 400-grit abrasive belts		2G
Duplo P220	Dry polished with 220-grit abrasive belts + brushed with wire rolls		2G
Duplo P320	Dry polished with 320-grit abrasive belts + brushed with wire rolls		2G
Scotch-Brite	Lightly brushed with wire rolls		2J
UGINOX Linen	Etched linen finish obtained by cold rolling with special rolls, followed by a final anneal		2M
UGINOX Leather	Etched chequer patterned finish obtained by cold rolling with special rolls, followed by a final anneal		2M
UGINOX Squares	Etched textured finish obtained by cold rolling with special rolls		2M
UGINOX Lozenge	Etched lozenge patterned finish obtained by cold rolling with special rolls, followed by a final anneal		2M
Uginox Line	Blacha dekoracyjna zimnowalcowana. Powierzchnia o wyglądzie szlifowanej blachy		2J
UGINOX Sand	Finish obtained by etching with special roll	-	-
UGINOX Top	Matt low-refl ectance finish obtained by cold rolling with special rolls	2D	2F
UGINOX Mat	Matt finish obtained by cold rolling with special rolls	-	-
Uginox Rolled-On	240-grit polish look like obtained by rolled-on process	-	-
UGINOX Bright	2B finish for construction industry	BA	2R
UGINOX Patina	Surface coated with a continuous layer of tin in accordance with standard NFA 36332		2S

For the availability of grades, surfaces or dimensional restrictions, please check with our sales department.

Certification



Management System
SA 8000:2008

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