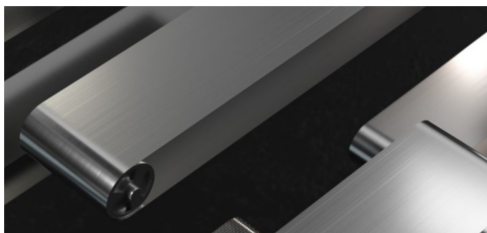


# AT1200

## Stainless steel belt



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MINGKE

AT1200 is a variation austenitic stainless steel belt, which performs very well in corrosion resistance. It is a high corrosion resistant steel with good wear resistance, making it the universal choice for the food and chemical industries (cooling, freezing and drying processes). It can be further processed to super mirror-polished and perforation belts.

### Properties

- ♦ Steel type: Stainless steel
- ♦ Tensile strength: 1200 Mpa
- ♦ Fatigue strength:  $\pm 470$  Mpa
- ♦ Hardness: 360 HV5

### Characteristics

- ♦ Good static strength
- ♦ Very good fatigue strength
- ♦ Very good corrosion resistance
- ♦ Good wear resistance
- ♦ Very good repairability

### Applications

- ♦ Food
- ♦ Chemical
- ♦ Conveyor
- ♦ Film casting

### Scope of supply

- ♦ Length - custom sizes available
- ♦ Width - 200 ~ 2000 mm
- ♦ Thickness - 0.5 / 0.8 / 1.0 / 1.2 mm

Maximum width of a single belt is 2000mm, but customised sizes via cutting are available.

### Chemical composition (nominal) %

C	Mn	P	S	Si	Cr	Ni	N	Fe
≤0.15	≤2.00	≤0.05	≤0.03	≤1.00	16.00-20.00	6.00-10.00	≤0.10	-

### Static strength

Standard strength at room temperature (nominal values)

Parameters	Hardness		Tensile strength		Yield strength	Weld factor	Elongation
	Mpa	Ksi	Mpa	Ksi	A5(%)	Rm/Rm	HV5
Parent material	1200	174	980	142	25	*	360
Welding area	840	122	680	98	20	0.7	*

The data in this sheet are typical values but not guaranteed. The information is subject to changes in different batches of material.