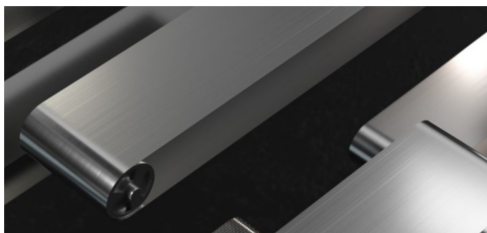


CT1100

Carbon steel belt



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PROCESS
SOLUTIONS



MINGKE

CT1100 is a hardened carbon steel belt with a hard and smooth surface and a black oxide layer, making it suitable for any application with a low risk for corrosion. Very good thermal properties make it ideal for baking and for heating and drying of liquids, pastes and fine-grained products. It is commonly used in single opening presses used in the wood-based panel industry and in tunnel bakery ovens in the food industry, allowing breads and snacks to be heated evenly. It can be further processed to perforated belts.

Properties

- ♦ Steel type: Carbon steel
- ♦ Tensile strength: 1100 Mpa
- ♦ Fatigue strength: ± 460 Mpa
- ♦ Hardness: 350 HV5

Characteristics

- ♦ Very good static strength
- ♦ Very good fatigue strength
- ♦ Very good thermal properties
- ♦ Excellent wear resistance
- ♦ Good repairability

Applications

- ♦ Food
- ♦ Wood-based panel
- ♦ Conveyor

Scope of supply

- ♦ Length - custom sizes available
- ♦ Width - 200 ~ 3100 mm
- ♦ Thickness - 1.2 / 1.4 / 1.5 mm

Maximum width of a single belt is 1500mm, but customised sizes via cutting or longitudinal welding are available.

Chemical composition (nominal) %

C	Si	Mn	P	S	Cr	Cu	Ni	Al	Fe
0.65	0.24	1	<0.03	0.002	0.22	0.02	0.01	0.022	N/a

Static strength

Standard strength at room temperature (nominal values)

Parameters	Tensile strength		Yield strength		Elongation	Weld factor	Hardness
	Mpa	Ksi	Mpa	Ksi			
Parent material	1080	157	960	139	8	*	340
Welding area	800	116	650	94	5	0.75	*

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