

# CT1500

## Carbon steel belt



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MINGKE

CT1500 is a hardened and tempered carbon steel belt. It has a hard and smooth surface and a black oxide layer, which makes 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.

### Properties

- ♦ Steel type: Carbon steel
- ♦ Tensile strength: 1500 Mpa
- ♦ Hardness: 460 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 - 600 / 800 / 1000 / 1200 / 1500 / ... mm
- ♦ Thickness - 0.8 / 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	Alt	Ti	Ni	Cu	Fe
0.21	0.52	2.49	0.01	0.001	0.3	-	-	0.02	-

### Static strength

Standard strength at room temperature (nominal values)

Parameters	Tensile strength		Yield strength		Elongation	Weld factor	Hardness
	Mpa	Ksi	Mpa	Ksi	A5(%)	Rm/Rm	HV5
Parent material	1500	217	1050	152	9	*	460
Welding area	1100	159	1000	145	5	0.73	*

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