

DT1320

Dual phase carbon steel belt



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SOLUTIONS



DT1320 has hard and smooth surface and a grey oxide layer, which makes it suitable for any application where there is a low risk of corrosion. Very good thermal properties make it ideal for baking and similar applications. Its low carbon content makes it possible to weld without post-annealing.

Properties

- ♦ Steel type: Dual phase carbon steel
- ♦ Tensile strength: 1340 Mpa
- ♦ Fatigue strength: ± 410 Mpa
- ♦ Hardness: 360 HV5

Characteristics

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

Applications

- ♦ 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 1200mm, but customised sizes via cutting or longitudinal welding are available.

Chemical composition (nominal) %

C	Si	Mn	Al	Nb	Fe
0.15	0.5	1.8	0.04	0.03	-

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	1340	194	1250	181	5	*	360
Welding area	1000	145	890	125	4	0.75	*

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