

# PT 100

## Pre-tempered strip (bainite)

### Grade overview

Grade	C45E acc. to EN 10132-3
Delivery condition	Skin passed (+LC) or stretch bended

### Chemical composition

C [%]	Si [%]	Mn [%]	P [%]	S [%]	Cr [%]
0.33 - 0.50	max. 0.35	0.50 - 1.50	max. 0.025	max. 0.025	max. 0.40

Weight %

### Properties

Tensile strength	[MPa]	900 - 1,100
Yield / tensile ration	[%]	Ca. 80 - 85
Elongation A80 <sup>1</sup>	[%]	Min. 14
Microstructure		Intermediate stage structure (bainite)

<sup>1</sup> Elongation value applies to the lowest tensile strength range.

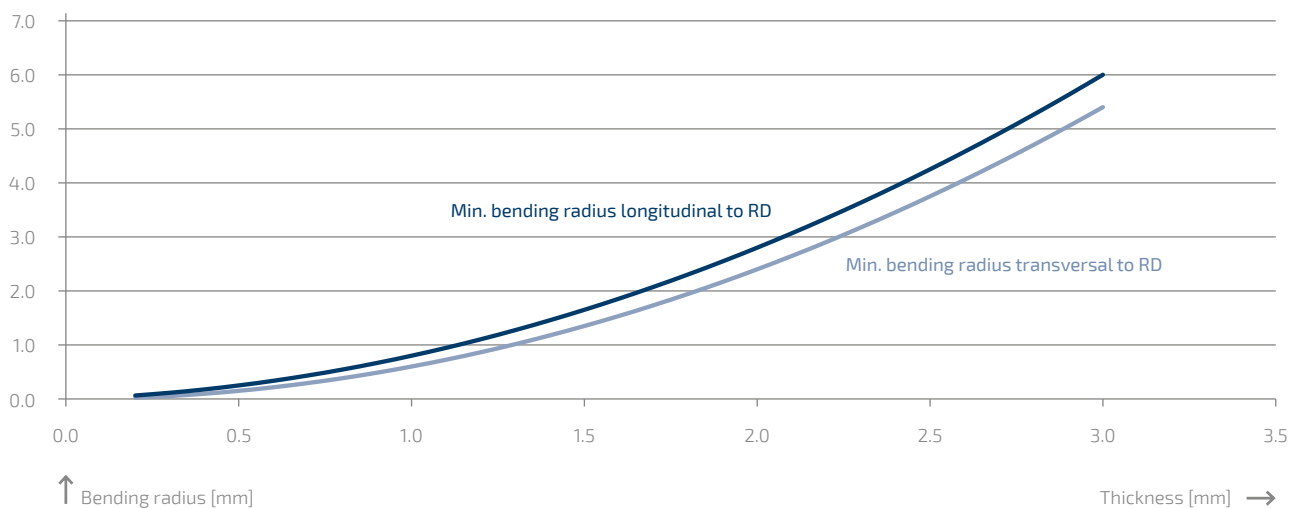
### Delivery types

Thickness <sup>2</sup>	[mm]	0.20 - 3.00
Width <sup>2</sup>	[mm]	5.00 - 450.00
Surface		Bright / grey-blue Decarburization < 2 % of material thickness per side

<sup>2</sup> Dimension tolerance acc. to DIN EN 10140

### Bending radii

Visualization of the minimally achievable bending radii at the specified material thickness.



### Contact

In case of individual requirements, please don't hesitate to contact us: [pt-strip@waelzholz.com](mailto:pt-strip@waelzholz.com), Tel. +49 2331 964-2293