

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	[ksi]	131 - 160
Yield / tensile ration	[%]	Ca. 80 - 85
Elongation A80 ¹	[%]	Min. 14
Microstructure		Intermediate stage structure (bainite)

¹ Elongation value applies to the lowest tensile strength range.

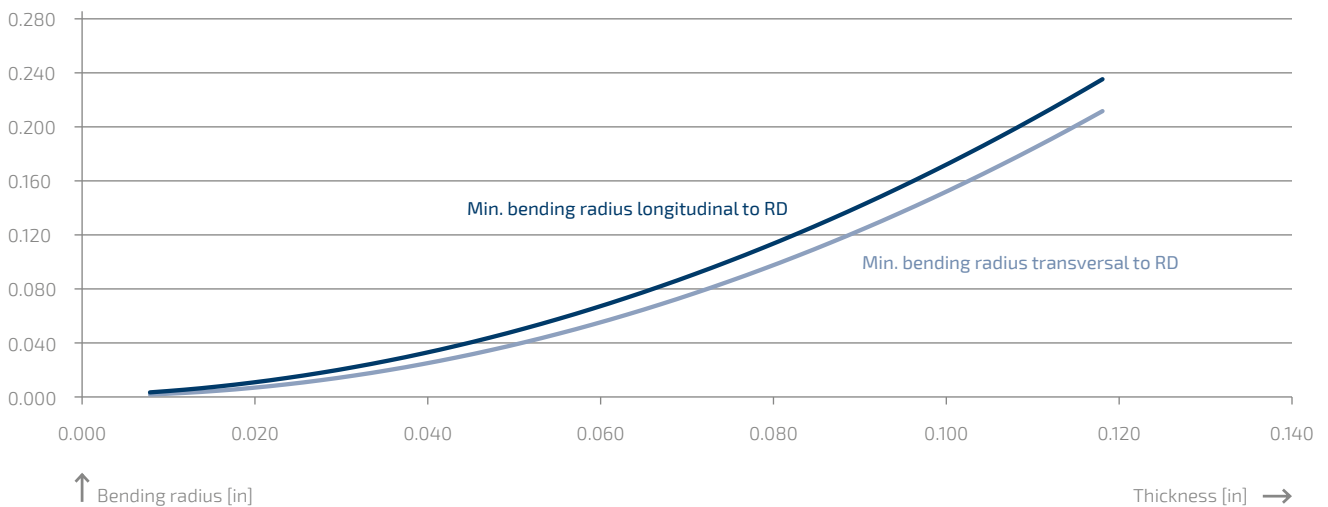
Delivery types

Thickness ²	[in]	0.008 - 0.118
Width ²	[in]	0.197 - 17.717
Surface		Bright / grey-blue Decarburization < 2 % of material thickness per side

² 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, Tel. +49 2331 964-2293