

# PT 140

## Pre-tempered strip (bainite)

### Grade overview

Grade	C75S acc. to EN 10132-4
Delivery condition	Skin passed (+LC) or stretch bended

### Chemical composition

C [%]	Si [%]	Mn [%]	P [%]	S [%]	Cr [%]
0.70 - 0.80	max. 0.35	0.60 - 0.90	max. 0.025	max. 0.025	max. 0.40

Weight %

### Properties

Tensile strength	[MPa]	1,300 - 1,500
Yield / tensile ration	[%]	Ca. 80 - 85
Elongation A80 <sup>1</sup>	[%]	Min. 5
Microstructure		Intermediate stage structure (bainite)

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

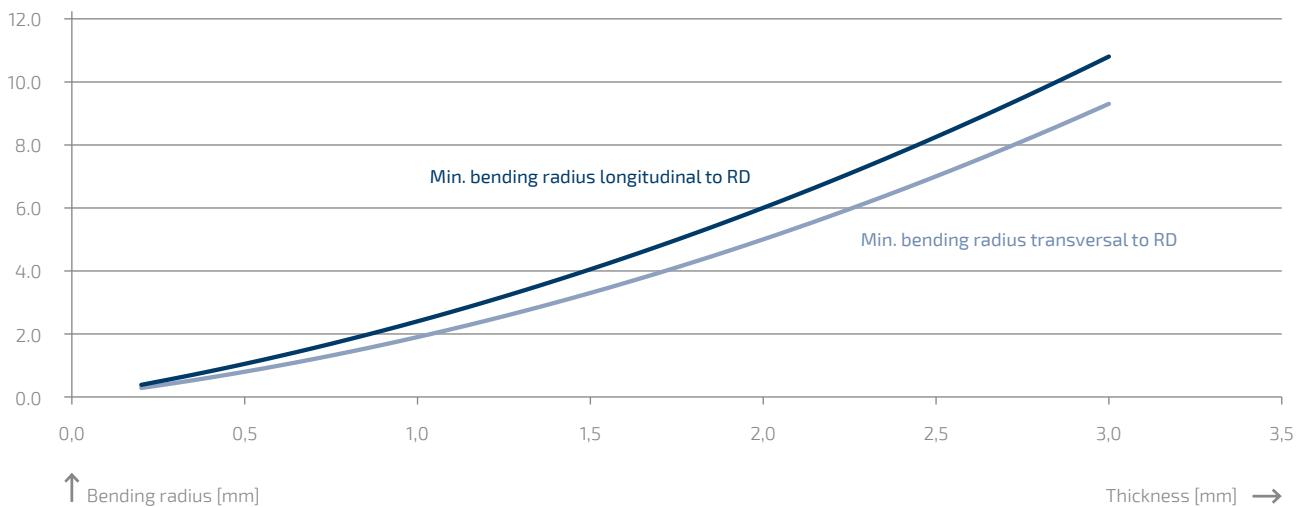
### Delivery types

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, Tel. +49 2331 964-2293