



R340GHT

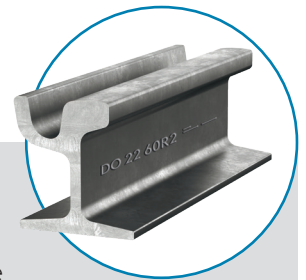
Performance steel grade for curves on tram tracks

Description

The rail steel grade R340GHT according to EN14811:2019 is a fine pearlitic rail grade. It is produced by the application of the HSH[®] heat treatment technology. This rail steel has been designed for customers following a “put-in-&-forget” strategy, meaning that gauge corner repair welding is not necessary to reach extended service lives in curves.

Area of Application

The R340GHT is recommended for curves in grooved rail tracks below $R = 150$ m. It is used by customers who, for technical and economic reasons, would prefer the “put-in-&-forget” strategy where gauge corner repair welding is not necessary.



Your Benefits


- » industrial quality over the entire service life
- » lowest maintenance costs
- » significant noise reduction due to slower corrugation development

TECHNICAL CHARACTERISTICS

Rail Steel Grade R340GHT

This data sheet applies to rails produced by voestalpine Rail Technology GmbH, 8700 Leoben-Donawitz, Austria – according to the international standards EN14811:2019.

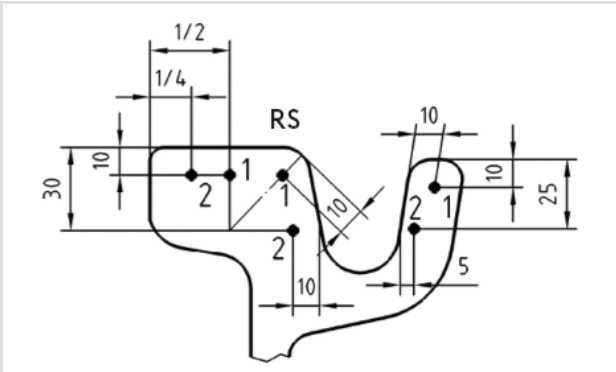
Steel Grade Description

Steel Grade	Surface Hardness [BHN]	Description of Steel Design	Field of Application	Branding
R340GHT	340-390	<ul style="list-style-type: none"> » Non Alloy (C-Mn) » Heat treated – HSH® Technology 	» “put-in-&-forget” Strategy	

Chemical Composition

C [%]	Si [%]	Mn [%]	Cr [%]	P [%]	S [%]	H [ppm]
0.62-0.80	0.15-0.58	0.70-1.20	max. 0.15	max. 0.025	max. 0.025	max. 2.5

Hardness

	Position	Hardness [BHN]
	RS	340-390
	1	> 340
	2	> 300
	3	-
	4	-

Tensile Testing

Tensile Strength [MPa]	Elongation [%]
≥ 1175	≥ 9

Thank you very much for your interest.
 We are happy to answer your questions under
product_management@voestalpine.com
 Also your local contact person is looking forward to support you.