



Declaration of Performance
(according to regulation EU No 305/2011)

No. LO-L-WR-2/02-CPR-19-1

- 1) Code of the product type: **1.0044**
2) Type: **Wire rods S275JR according EN 10025-2**

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

- 3) LIBERTY OSTRAVA a.s.
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System of assessment and verification of constancy of performance of the product:
System 2+

Notified factory production control certification body No. 1020 Technical and Test Institute for Construction Prague (TZUS) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificates of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

David Božon
Director of Rolling Mills

Date : 19.08.2019

Essential characteristic		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Hot-rolled round wire		DIN 59110 HŽ 425410 EN 10060 EN 10017	
Yield strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	
		16	275	
Tensile strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	max
	=3	100	410	560
Elongation	Nominal thickness (mm)		Values (%)	
	>	≤	min	
	=3	40	23	
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	min	
		150	27 at +20°C	
Weldability	Nominal thickness (mm)		Values (%)	
	>	≤	max	
		30	0,40	
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	max	
		16	C : 0,21	Cu : 0,55
			Mn : 1,50	S : 0,040
			P : 0,040	N* : 0,012
	* The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020% or if sufficient other N binding elements are present			

EN 10025-1:2004