



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

No. LO-L-WR-2/01-CPR-19-1

- 1) Code of the product type: **1.0038**  
2) Type: **Wire rods S235JR 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.**  
Vratimovska 689/117  
719 00 Ostrava Kuncice  
Czech Republic  
Tel. +420 59 733 1111  
www.libertyostrava.cz

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		EN 10025-1:2004
	Yield strength	Nominal thickness (mm)		Values (MPa)	
>		≤	min		
Tensile strength	16		235		
	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
Elongation	=3 100		360	510	
	Nominal thickness (mm)		Values (%)		
	>	≤	min		
Impact strength	=3 40		26		
	Nominal thickness (mm)		Values (J)		
	>	≤	min		
Weldability	150		27 at +20°C		
	Nominal thickness (mm)		Values (%)		
	>	≤	max		
Durability (Chemical composition)	30		0,35		
	Nominal thickness (mm)		Values (%)		
	>	≤	max		
	16		C : 0,17	Cu : 0,55	
			Mn : 1,40	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					