



LIBERTY

DECLARATION OF PERFORMANCE

No. DoP LO-L-WR-2/01-CPR-22-1

UNIQUE IDENTIFICATION CODE OF THE PRODUCT – TYPE:

Long hot rolled products of structural non-alloy steel grade S235JR (1.0038)

- Wire in diameter from \varnothing 5,5 to \varnothing 14 mm

INTENDED USE:

Metal structures or mixed metal and concrete structures.

MANUFACTURER:

LIBERTY OSTRAVA a.s.

Vratimovská 689/117, 719 00 Ostrava Kunčice, Česká republika

Tel. +420 59 733 1111

<https://libertysteelgroup.com/cz>

SYSTEM/S OF AVCP:

System 2+

HARMONISED STANDARD:

EN 10025-1:2004

NOTIFIED BODY/IES:

Technický a zkušební ústav stavební Praha, s.p.

Prosecká 811/76y, Praha 9 – Prosek

No. 1020

DECLARED PERFORMANCES:

Essential characteristic		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Hot rolled wire	DIN 59110 HŽ 425410 EN 10060 EN 10017		EN 10025-1:2004
Yield strength	Nominal thickness (mm)	Values (MPa)		
	> ≤	Min		
	14	235		
Tensile strength	Nominal thickness (mm)	Values (MPa)		
	≥ ≤	min	max	
	5,5 14	360	510	
Elongation	Nominal thickness (mm)	Values (%)		
	≥ ≤	Min		
	5,5 14	26		
Impact strength	Nominal thickness (mm)	Values (J)		
	> ≤	Min		
	14	27 at +20°C		
Weldability	Nominal thickness (mm)	Values (%)		
	> ≤	Max		
	14	0,35		
Chemical composition (Heat analysis)	Nominal thickness (mm)	Values (%)		
	> ≤	Max		
	14	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.				

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

David Božon

 14 - Válcovny

At Ostrava, on 8th of February 2022

