



LIBERTY

DECLARATION OF PERFORMANCE

No. DoP LO-L-WR-2/02-CPR-22-1

UNIQUE IDENTIFICATION CODE OF THE PRODUCT – TYPE:

Long hot rolled products of structural non-alloy steel grade S275JR (1.0044)

- 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	
Yield strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	
	5,5	14	275	
Tensile strength	Nominal thickness (mm)		Values (MPa)	
	≥	≤	min	max
	5,5	14	410	560
Elongation	Nominal thickness (mm)		Values (%)	
	≥	≤	Min	
	5,5	14	23	
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	Min	
		14	27 at +20°C	
Weldability	Nominal thickness (mm)		Values (%)	
	>	≤	Max	
		14	0,40	
Chemical composition (Heat analysis)	Nominal thickness (mm)		Values (%)	
	>	≤	Max	
		14	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

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

