



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

- 1) No. LO-F-PL-2/01-CPR-19-1
- 2) **Plates S235JR / 1.0038 according EN 10025-2**
Intended use or uses of the construction product, in accordance with the applicable harmonized 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 Božoň
Director of Steckel mill

Date : 19.08.2019

Essential characteristic	Performance				Harmonised technical specification
Tolerances on dimensions and s	Road steel section		KN 426910		
	Special steel section – casing		4KP-0360		
	Special steel section – C shape		TDP-320/12		
Yield strength	Nominal thickness (mm)		Values (MPa)		EN 10025-1:2004
	>	≤	min	max	
		16	235	NPD	
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
		100	360	510	
Elongation ***	Nominal thickness (mm)		Values (%)		
	>	≤	min.L	min.T	
	1	1,5	18	16	
	1,5	2	19	17	
	2	2,5	20	18	
	>2,5	< 3	21	19	
	≥ 3	≤ 40	26	24	
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min	max	
		150	27 at +20°C	NPD	
Weldability CEV	Nominal thickness (mm)		Values (%)		
	>	≤	min	max	
		30	NPD	0,35	
Durability	Nominal thickness (mm)		Values (%)		
	>	≤	min	max	
		16	NPD	C : 0,17 Cu : 0,55	
				Mn : 1,40 S : 0,035	
				P : 0,035 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 *** Elongation, L – Longitudinal direction, T – Transversal direction				