



## DECLARATION OF PERFORMANCE

### No. DoP LO-UK-L-SM-5/01-CPR-23-1

according to Annex III of the Regulation (EU) No 305/2011 of the European Parliament and Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc) (EU Exit) Regulations 2020

UNIQUE IDENTIFICATION CODE OF THE PRODUCT – TYPE:	
<b>Long hot rolled products of structural steels With improved atmospheric corrosion resistance steel grade S355J0W (1.8959)</b>	
<ul style="list-style-type: none"><li>- Flat bars width 30 - 170 mm and thickness 10 - 60 mm</li><li>- IPN beams 180 - 220</li><li>- IPE beams 180 - 220</li><li>- UPN channels 50 - 220</li><li>- Equal angles L 40x40 up to L 150x150, thickness 3 - 18 mm</li><li>- Unequal angles L 100x65 up to L 140x90, thickness 7 - 14 mm</li></ul>	
INTENDED USE:	Metal structures or mixed metal and concrete structures
MANUFACTURER:	LIBERTY OSTRAVA a.s. Vratimovská 689/117, Kunčice 719 00 Ostrava Czech Republic Tel. +420 59 733 1111 <a href="https://libertysteelgroup.com/cz">https://libertysteelgroup.com/cz</a>
SYSTEM/S OF AVCP:	System 2+
HARMONISED / DESIGNATED STANDARD:	EN 10025-1:2004
NOTIFIED BODY (EU):	Technický a zkušební ústav stavební Praha, s.p. Prosecká 811/76y, Praha 9 – Prosek No. 1020
APPROVED BODY (UK):	TUV UK Limited AMP House Suites 27 – 29 Fifth Floor Dingwall Road Croydon CRO 2LX No. 0879

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DECLARED PERFORMANCES:

Essential characteristic		Performance		Harmonized technical specification
Tolerances on dimensions and shape	Angles		EN10056-1, 2	
	IPN and H sections		EN 10365, EN 10034	
	Tapered Flange IPE		EN 10365, EN 10024	
	UPE, UPN		EN 10365, EN 10279	
	Flat bars		EN 10058	
Yield strength	Nominal thickness(mm)		Values (MPa)	
	>	≤	min	
		16	355	
	16	40	345	
	40	63	335	
Tensile strength	Nominal thickness(mm)		Values (MPa)	
	>	≤	min	max
	=3	100	470	630
Elongation	Nominal thickness(mm)		Values (%)	
	>	≤	min	
	=3	40	22	
	40	63	21	
Impact strength	Nominal thickness(mm)		Values (J)	
	>	≤	min	
		63	27 at 0°C	
Weldability (CEV)	Nominal thickness(mm)		Values (%)	
	>	≤	NPD	
		16		
	16	40		
	40	63		
Durability (Chemical composition)	Nominal thickness(mm)		Values (%)	
	>	≤	min	max
		40		C: 0,16 Si: 0,50 P: 0,040 S: 0,040 N*: 0,012
			Mn: 0,50 Cu: 0,25 Cr: 0,40**	Mn: 1,50 Cu: 0,55 Cr: 0,80
	<p>* 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 N binding elements shall be mentioned in the inspection document. Cr content can be reduced to 0.37% if the Si content is min. 0.15%.</p> <p>CEV max. 0,52% The steels may show a Ni content of max. 0,65%. The steels may contain max. 0,30% Mo and max. 0,15% Zr.</p>			

EN 10025-1:2004

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

Signed for and on behalf of the manufacturer by:

David Božon



At Ostrava, on 12th of January 2023

The Declarations of Performance for download: <https://libertysteelgroup.com/cz>

