

DECLARATION OF PERFORMANCE

No. DoP NH-L-SM-2/07-CPR-25-1

UNIQUE IDENTIFICATION CODE OF THE PRODUCT – TYPE:	
Long hot rolled products of structural non-alloy steel grade S355JR (1.0045)	
- IPN/IPE beams 80 - 220 - IPE A/IPE AA beams 80 - 220 - UPN channels 50 - 220 mm - UE shape sections 80 - 120 mm - Equal angles L 35 - 150, thickness 3 - 18 mm - Unequal angles L 100x65 up to 140x90, thickness 7 - 14 mm - Round bars Ø 10 - 110 mm - Square bars 14 - 16 mm - HEA/HEB wide flange beams 100 - 140 - Flat bars width 18 - 180 mm, and flat bars of thickness 10 - 25 mm and width 200 mm	
INTENDED USE:	Metal structures or mixed metal and concrete structures
MANUFACTURER:	NOVÁ HUŤ s.r.o. Vratimovská 689/117, 719 00 Ostrava Kunčice, Česká republika Tel. +420 59 733 1111 https://novahut.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		Harmonized technical specification
Tolerances on dimensions and shape	Angles		EN10056-1, 2		EN 10025-1:2004
	IPN and H sections		EN 10365, EN 10034		
	Tapered Flange IPE		EN 10365, EN 10024		
	UPE, UPN		EN 10365, ČSN 425571, EN 10279		
	Flat / Square / Round bars		EN 10058/EN 10059/EN 10060		
Yield strength	Nominal thickness(mm)		Values (MPa)		
	>	≤	min		
		16	355		
	16	40	345		
	40	63	335		
	63	80	325		
	80	100	315		
	100	140	295		
Tensile strength	Nominal thickness(mm)		Values (MPa)		
	>	≤	min	max	
	=3	100	470	630	
	100	140	450	600	
Elongation	Nominal thickness(mm)		Values (%)		
	>	≤	min		
	=3	40	22		
	40	63	21		
	63	100	20		
	100	140	18		
Impact strength	Nominal thickness(mm)		Values (J)		
	>	≤	min		
		140	27 at +20°C		
Weldability (CEV)	Nominal thickness(mm)		Values (%)		
	>	≤	max		
		30	0,45		
	30	40	0,47		
	40	140	0,47		
Durability (Chemical composition)	Nominal thickness(mm)		Values (%)		
	>	≤	max		
		140	C*: 0,24	Cu: 0,55	
			Si: 0,55	S: 0,040	
			Mn: 1,60	N**: 0,012	
			P: 0,040		
	* For Nominal thickness>100 mm: C content upon agreement.				
	** 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:

Ing. David Božon



At Ostrava, on 25th of November 2025

