



IGM Trade Ilija I dr. D.O.O

DECLARATION OF PERFORMANCE

Nº 01 CPR 2025-05-15

1. *Unique identification code of the product-type:*

Cold formed:

- **Circular hollow section (ϕ 16 to ϕ 324)**
- **Square hollow section (13x13 to 260x260)**
- **Rectangular hollow section (30x10 to 300x200)**

2. *Intended uses:*

Cold formed steel hollow sections for building and civil engineering

3. *Manufacturer:*

IGM Trade Ilija I dr. D.O.O

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4. *Authorised representative:*

NA

5. *System or systems of assessment and verification of constancy of performance of the construction product:*

System 2+

6. *Harmonized standard:*

EN 10219-1:2006

Notified body:

"Dedal – A&C", Ltd. – Nesebar No 1922, performed the initial inspection of the manufacturing plant and of factory production control and continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control 1922-CPR-0180 on 27 May 2024.

7. Declared performance:

Essential characteristics	Performance							Harmonised technical specification			
Tolerances on dimensions and shape	Conform to:				EN10219-2:2019			EN 10219-1:2006			
Minimum elongation (A)					Specified thickness						
	Steel name				≤ 40						
	S235JRH				24% *						
	S275J0H S275J2H				20% **						
	S355J0H S355J2H				20% **						
	(*) For thicknesses > 3mm and section sizes D/T<15 (round) and (B+H)/2T<12.5 (square and rectangular) the minimum elongation is reduced by 2. For thicknesses ≤3mm the minimum value for elongation is 17%.										
	(**) For section sizes D/T<15 (circular) and (B+H)/2T<12.5 (square and rectangular) the minimum elongation is reduced by 2.										
Minimum yielded strength R_{eH} MPa					Specified thickness						
	Steel name				≤16		> 16 ≤ 40				
	S235JRH				235		225				
	S275J0H S275J2H				275		265				
	S355J0H S355J2H				355		345				
Tensile strength R_m MPa					Specified thickness						
	Steel name				< 3		≥ 3 ≤ 40				
	S235JRH				360-510		360-510				
	S275J0H S275J2H				430-580		410-560				
	S355J0H S355J2H				510-580		470-630				
Minimum impact strength * J (*) impact test are not required for specified thickness < 6mm					At test temperature of						
	Steel name				-20 °C		0 °C		20 °C		
	S235JRH				-		-		27		
	S275J0H S275J2H				-		27		-		
	S355J0H S355J2H				27		-		-		
	S355J0H S355J2H				-		27		-		
	S355J0H S355J2H				27		-		-		
Weld ability					Chemical composition Cast analysis for product % by mass, maximum						
	Steel name				C	Si	Mn	P	S	N ^b	max. CEV (%)
	S235JRH				0.17	-	1.4	0.04	0.04	0.009	0.35
	S275J0H S275J2H				0.2	-	1.5	0.035	0.035	0.009	0.40
	S355J0H S355J2H				0.22	0.55	1.6	0.35	0.035	0.009	0.45
	S355J0H S355J2H				0.22	0.55	1.6	0.03	0.03	-	0.45
	S355J0H S355J2H				0.22	0.55	1.6	0.03	0.03	-	0.45
Durability	NPD										

The performance of the products 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:

Mech.Eng. Daniela Mincorov
Head of Quality Control



Kavadarci, 15.05.2025

Tihomir Dimov
The manager of the company
"IGM – TRADE" – Kavadarci

