



**IGM TRADE Ilija I dr. D.O.O**

**DECLARATION OF PERFORMANCE**

**№ 01 CPR 2018-06-04**

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

**Cold formed :**

- **circular hollow section ( $\phi$ 16 to  $\phi$ 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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**1430 KAVADARCI**

**MACEDONIA**

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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 NB 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 29 May 2018.

7. Declared performance:

Essential characteristics	Performance		Harmonised technical specification					
Tolerances on dimensions and shape	Conform to:	EN10219-2						
Minimum elongation (A)	Specified thickness		EN 10219-1:2006					
	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	-				
Weld ability	Chemical composition Cast analysis for product % by mass, maximum							
	Steel name	C	Si	Mn	P	S	N <sup>b</sup>	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

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:

Ing. Danielka Bogdanovska  
Quality Department



Kavadarci, 04.06.2018



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

