



IGM Trade Ilija I dr. D.O.O

DECLARATION OF PERFORMANCE

№ 01 CPR 2021-06-07

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:*

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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 28 May 2021.

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+I)/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 yield strength ReH MPa | Specified thickness | | | | | | |
| | Steel name | ≤16 > 16 ≤ 40 | | | | | |
| | S235JRH | 235 225 | | | | | |
| | S275J0H S275J2H | 275 265 | | | | | |
| | S355J0H S355J2H | 355 345 | | | | | |
| Tensile strength Rm 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 energy * J | At test temperature of | | | | | | |
| | Steel name | -20 °C | 0 °C 20 °C | | | | |
| | S235JRH | - | - 27 | | | | |
| | S275J0H S275J2H | - 27 | - - | | | | |
| | S355J0H S355J2H | - 27 | - - | | | | |
| (*) impact test are not required for specified thickness < 6mm | | | | | | | |
| 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 | 0.22 | 0.55 | 1.6 | 0.35 | 0.035 | 0.009 0.45 |
| | S355J2H | 0.22 | 0.55 | 1.6 | 0.03 | 0.03 | - |

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. Danielka Minchorov
Head of Quality Control




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



Kavadarci, 07.06.2021