



# MARIENHÜTTE

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## Declaration of Performance

No. 08/2022

1. *Identification code of the product-type:* **Hot rolled structural steel S235JR**
2. *Type:* **Hot rolled structural steel S235JR, Ø 8 – 32 mm, ÖNORM EN 10025**
3. *Intended use:*  
**For building and civil engineering**
4. *Registered trade name and contact address according Article 11(5):*  
**Stahl- und Walzwerk Marienhütte Ges.m.b.H.  
Südbahnstraße 11, A-8021 Graz, Austria**
5. *Name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12 (2):*  
**NPD (No Performance Determined)**
6. *System of assessment and verification of constancy of performance of the construction product as set out in Annex V:*  
**2+**
7. *The declaration of performance concerning a construction product covered by a harmonized standard (Name and identification number of the notified body):*  
**Technische Universität Graz, Rechbauerstraße 12, 8010 Graz,  
vertreten durch das Institut für Materialprüfung und Baustofftechnologie mit angeschlossener  
Technischer Versuchs- und Forschungsanstalt für Festigkeit- und Materialprüfung (TVFA)  
Inffeldgasse 24, A-8010 Graz.  
Certificate Nr.: 1379-CPR-141/15**
8. *In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:*  
**NPD (No Performance Determined)**



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## 9. Declared performance:

### Notes to the table:

- 9.1 Column 1 contains the list of essential characteristics as determined in the harmonized technical specifications for the intended use or uses indicated in point 3 above.
- 9.2 For each essential characteristic listed in column 1 and in compliance with the requirements of Article 6, column 2 shall contain the declared performance, expressed by level or class, or in description, related to the corresponding essential characteristics. The letters „NPD“ (No Performance Determined) shall be indicated where no performance is declared.
- 9.3 For each essential characteristic listed in column 1, column 3 shall contain the dated reference of the corresponding harmonized standard and the reference number of the Specific Technical Documentation used:

Essential characteristic (see Note 1)	Performance (see Note 2)	Harmonized technical specification (see Note 3)
Measurements and tolerances: Diameter d	$\varnothing < 10 = \pm 0,4 \text{ mm}$ $\varnothing 16-25 = \pm 0,5 \text{ mm}$ $\varnothing 26-32 = \pm 0,6 \text{ mm}$	EN 10060: 2004, table 1
Measurements and tolerances: Unroundness	$\varnothing < 10 = \leq 0,30 \text{ mm}$ $\varnothing 16-25 \leq \pm 0,38 \text{ mm}$ $\varnothing 26-32 \leq \pm 0,45 \text{ mm}$	EN 10060: 2004, 6.4
Elongation (A <sub>5</sub> )	$\geq 26 \%$	EN 10025-2: 2019, table 6
Tensile stress (R <sub>m</sub> )	360 – 510 MPa	EN 10025-2: 2019, table 6
Yield stress (R <sub>eH</sub> )	$\varnothing \leq 16 \text{ mm} \geq 235 \text{ MPa}$ $\varnothing > 16 \text{ mm} \geq 225 \text{ MPa}$	EN 10025-2: 2019, table 6
Notched-bar impact value	NPD	EN 10025-2: 2019, 7.3.2.1
Weldability (Chemical composition)	Mn = max. 1,40 P = max. 0,035 S = max. 0,035 N = max. 0,0120 Cu = max. 0,55	EN 10025-2: 2019, table 3

## 10. The performance of the product identified above is in conformity with the set of declared performances.

This declaration of performance is issued in accordance with regulation (EN) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



Marco Lackner, MSc  
CQO

Graz, 02.02.2022