

Declaration of Performance

Nr. DoP_WA10219_en_rev02

1. Unique identification code of the product type:

Profile	External dimensions	Thicknesses	Steel grades
Round tube	Ø 30,00 bis 115,30 mm	1,50 bis 4,00 mm	S235JRH bis S355JRH, S275J0H bis S355J0H, S275J2H bis S355J2H, S275MH bis S460MH
Square tube	25 x 25 bis 90 x 90 mm		
Rectangular tube	H + B: 50 – 180 mm H o. B: 10 – 130 mm		

2. Intended use:

For the use in metal structures or for metal/concrete composite structures

3. Manufacturer:

Wuppermann Austria GmbH
Gußstahlwerkstraße 23
A-8750 Judenburg, Austria

4. Company / Autorised representative:

Wuppermann Austria GmbH
Gußstahlwerkstraße 23
A-8750 Judenburg, Austria

5. System of assessment and verification of constancy of performance:

System 2+ according to annex V of CPR No. 305/2011

6. Harmonised standard:

EN 10219-1:2006+ZA: Cold formed welded structural hollow sections of non-alloy and fine grain steels
TÜV AUSTRIA GMBH – Cert.no. 0408-CPR-TA02807

7. Declared performance:

Essential characteristics	Round tubes	Square and rectangular tubes		Harmonized standard
		Declared performance		
External dimensions (D, B and H)	+/- 1 % min. +/- 0,5 mm	H, B < 100 mm 100 mm <= H, B <= 200 mm	+/- 1 %, min. +/- 0,5 mm +/- 0,8 %	EN 10219-2
Thickness T	T <= 5 mm: +/- 10 % max. 0,35 mm			
Ovality O	2 %			
Concavity/convexity (x ₁ , x ₂)	+/- 0,80 %			
Angle between sides	90° +/- 1°			
Edge radius (C ₁ , C ₂ oder R)	T <= 6 mm: 1,6T - 2,4T			
Twist V	2 mm + 0,5 mm/m Länge			
Straightness e	0,20 % on total length and 3 mm for 1 m length	0,15 % on total length and 3 mm for 1 m length		
Mass M	+/- 6 % (on the single tube)			

Steel grade	Essential characteristics								Harmonized standard		
	Elongation [%]		Yield strength [MPa]	Tensile strength [MPa]		Resilience KV [J]				CEV [%]	Durability *)
	T < 3 mm	T >= 3 mm		T < 3 mm	T >= 3 mm	- 20 °C	0 °C	+ 20 °C			
	Declared performance										
S235JRH	17	24	235	360 – 510	360 – 510			27	27	0,35	Suitability for galvanizing can be specified EN 10219-1
S275J0H	20		275	430 – 580	410 – 560			27		0,40	
S275J2H	20		275	430 – 580	410 – 560	27				0,40	
S355J0H	20		355	510 – 680	470 – 630			27		0,45	
S355J2H	20		355	510 – 680	470 – 630	27				0,45	
S275MH	24		275	360 – 510		40				0,34	
S355MH	22		355	450 – 610		40				0,39	
S420MH	19		420	500 – 660		40				0,43	
S460MH	17		460	530 – 720		40				0,46	

*) The durability (against corrosion) depends on the type of protection and / or the thickness of the coating

The performance of the product identified under point 1 is in conformity with the declared performance in point 7.

This declaration of performance is issued in accordance with Regulation (EU) No. 305/2011 under the sole responsibility of the manufacturer identified under 3.

Signed for and on behalf of the manufacturer by:

Hubert Pletz

General Manager
Wuppermann Austria GmbH

Judenburg, 27th May, 2024