



AĞIR HADDECİLİK
www.agirhaddecilik.com

DECLARATION OF PERFORMANCE

(ACCORDING TO REGULATION EU NO: 305 / 2011)

NO:05/2015

L/C NO : BBTIA400265612

ACCORDING TO EN 10219

FOR SHIPMENT TO PORT OF ANTWERP

HOLLOW SECTIONS

1. Unique identification code of the product type:

Cold formed welded structural hollow sections of non alloy and fine grain steels from hot rolled coil according to EN 10219 2006 part 1 and 2.

Identification		
Shape of cross section	Dimintions	Steel designations
Circular hollow sections	From 21,3 x1 to 88,9x5 mm	S235JRH
Square hollow sections	From 25x15x1 to 200x40x6 mm	S235JRH
Rectangular hollow sections	From 25x1 to 88,9x5 mm	S235JRH

2. Type lot or ID number or any element enables to identify construction products as required in clause 11 (4):

Information on lot number, heat number, diameter, wall thickness is provided in the quality certificate.

3. Specified use or non-use of construction products in accordance with the applied harmonized technical specification as provided by the manufacturer:

Cold formed electrically welded pipes for engineering structures.

4. Name, registered trade name or brand and contact address, according to clause 11 (5):

Ağır Haddecilik A.Ş.

Center

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Plant

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5. Where applicable name and contact address of an authorized agent, whose authority covers the issues defined in clause 12 (2):

Not applicable

6. System (s) for assessment and verification of constancy of construction product quality characteristics, as stated in Attachment V:

System2+

7. In case of quality characteristics declaration for construction products, covered by the harmonized standart

EN 10219-1:2006

Notified body for construction products under "BVA Belgelendirme ve Dış Tic. Ltd. Şti." has performed the initial inspection of the factory and of the factory production control and performs the continous surveillence, assesment and approval of the factory production control according to audit report numbered 15812-08-02/ÇÜ.

8. Declaration of quality characteristics according to the requirements EN 10219 2006
Part 1 & 2

Essential Features	Declared Performance	Harmonized Technical Specification
Manufacturing Method	High frequency induction welding	EN10219 2006 Part 2
Yield Strength	235 (S235JRH)	
R _{eh} , Mpa, minimum	275 (S275J0H) 355 (S355J0H)	
Tensile Strength at Breakage, R _m , MPa,	360-510 (T<3 mm) (S235JRH)	
	360-510 (3<=T<=40mm) (S235JRH)	
	430-580 (T<3 mm) (S275J0H)	
	410-560 (3<=T<=40mm) (S275J0H)	
	510-680 (T<3 mm) (S355J0H)	
% Elongation at breakage	24 (S235JRH)	
	20 (S275J0H)	
	20 (S355J0H)	
Impact Energy Minimum kV, J	27 (+20°C) (S235JRH)	
	27 (0°C) (S275J0H)	
	27 (0°C) (S355J0H)	
Condition of supply	Without heat treatment	

Dimensional & shape tolerances			
	Circular hollow sections		Square & rectangular hollow sections
			length tolerance
Outside dimension	+/-1 %mm, +/-0,5; +/-10mm		H,B<100 +/-1 % (Min +/-0,5)
			100<=H,B<=200 +/-0,8%
Thickness	T<=5 mm; +/-10%		T>5 mm; +/-0,5 mm
Out of roundness	Max 2 %		
Concavity/Convexity	Max 0,5 mm		
Squareness of side	90° +/-1°		
External corner profile	1,6T-2,4T		
Twist	Max. 2 mm (0,5 mm/m)		
Straightness	0,20 % of total length (3 mm/m)		0,15 % of total length (3 mm/m)
Mass	+/- 6 %		
Tolerances on length	L<6m; -0 /+5 mm	6m<=L<=10m;-0/+15 mm	L>10m; -0/+5 mm
Weldability	Conform with chapter 6.6, 6.8.1 & tables A2, B3 of EN10219-1:2006		
Durability	Conform with chapter 6.8.2 of EN10219-1:2006		

The performance of the product identified in points 1 & 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.



Merkez

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EN10219-1:2006

Cold formed hollow sections produced from non-alloy steel grade S235JRH,
S275J0H, S355J0H

According to EN 10219-1

Cold formed steel hollow sections for general use supplied with
3.1 certification to EN10204

Information on regulated characteristics in accordance with
EN10219 for;

Tensile strength;

Yield strength;

Elongation (%)

Impact Strength;

Dangerous Substances : No performance determined

Signed for and on behalf of the manufacturer by:

Name & Position
Boğaçhan AÇIKALIN
Board Member

Date &Place
Gebze/Kocaeli/Türkiye

Date 11.11.2015

Stamp & Signature

