

A04



A02 Inspection certificate EN 10204 / 3.1

A05 **HUS LTD.**

A01 **HUS LTD**
1 Industrialna Str.
3600 Lom, Bulgaria

B01 Cold formed welded structural hollow sections of non-alloy and fine grain steels according EN 10219-2:2006

A08	Order №
A06	Customer SZATMARI KFT
A07	Invoice № 3130025411

B02	EN 10219-1 S235JRH	B10	length 6000 mm.
B09	CFRHS		option 1.1 ; 1.4
B09			

B07		B08	6 528 m.
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B12 B13

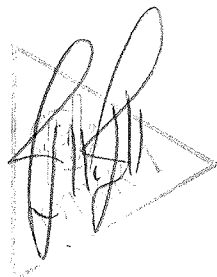
B09	CFRHS 40X20X2	B10		B08	768 m.	B13		B06	1000058639989	B07	454-15
B09	CFRHS 40X40X3	B10		B08	600 m.	B13		B06	0002210728989	B07	45160-13
B09	CFRHS 40X40X3	B10		B08	600 m.	B13		B06	0002210716989	B07	433656-10
B09	CFRHS 40X40X3	B10		B08	600 m.	B13		B06	0002196836989	B07	433251-14
B09	CFRHS 40X40X3	B10		B08	600 m.	B13		B06	0002196305989	B07	433251-14
B09	CFRHS 40X40X3	B10		B08	600 m.	B13		B06	0002207294989	B07	433879-3
B09	CFRHS 40X40X3	B10		B08	600 m.	B13		B06	0002207096989	B07	433649-1
B09	CFRHS 40X40X3	B10		B08	600 m.	B13		B06	0002207091989	B07	433879-3
B09	CFRHS 60X60X3	B10		B08	294 m.	B13		B06	0002096861989	B07	3150004
B09	CFRHS 60X60X3	B10		B08	294 m.	B13		B06	0002096846989	B07	3150004
B09	CFRHS 60X60X3	B10		B08	294 m.	B13		B06	0002096793989	B07	3318053
B09	CFRHS 60X60X3	B10		B08	294 m.	B13		B06	0002096802989	B07	3318053
B09	CFRHS 100X50X5	B10		B08	192 m.	B13		B06	0002210424989	B07	3104006
B09	CFRHS 100X50X5	B10		B08	192 m.	B13		B06	0002210459989	B07	3104006

[illegible]

B07 Mechanical properties										
Heat №	C00	C03	C11	C12	C13	C14	C42	C50	C70	C71
	Test №		ReH MPa	Rm MPa	A %	ReH/Rm	Impact test	Certificate №		
827944	454-15		250	370	33		not done	500285		
112517-9	45160-13		265	366	38		not done	632745		
511789	433656-10		295	405	32		not done	567005		
113760-9	433251-14		280	395	34		not done	566232		
113760-9	433251-14		280	395	34		not done	566232		
113836	433879-3		270	395	36		not done	567414		
521789	433649-1		305	405	34		not done	567039		
113836	433879-3		270	395	36		not done	567414		
730126615	3150004		270	370	37		not done	163393		
730126615	3150004		270	370	37		not done	163393		
730118238	3318053		274	372	35		not done	163414		
730118238	3318053		274	372	35		not done	163414		
730126459	3104006		299	398	39		not done	161776		
730126459	3104006		299	398	39		not done	161776		

D02 Non-destructive testing - passed.

Z02 Z03 Director Branch Lom
 N.Dechev
Date 09.04.2022
www.husltd.com Seal HUS LTD.



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1938-CPR-0285/2

A05 TT

D01 The test has been performed on the provided products and the results are satisfactory.

Z01 The producer declares that the product is according to the customer's order.

Z05 Without any post heat treatment; with shape, dimensions and tolerances according EN 10219-2; performance characteristics according appendix ZA.1 of the product standart. Function - for steel structures and combined steel and reinforced concrete structures.

Z06 Claims are allowed within 14 days from product receipt. In order to consider a claim, the customer must provide a quality inspection control document and a marking on the claimed goods. Claims associated with unloading and storage of the goods will not be accepted.

Z07 Declaration of performance №3130025411HUS CFRHS S235JRH /2022

Declaration of performance

Annex III Regulation (EU) № 305/2011

№3130025411HUS CFRHS S235JRH /2022

1. **Unique identification code of the product type:** CFRHS – S235JRH
2. **Intended use/es:** Cold formed welded structural hollow section of non-alloy and fine grain steel, without subsequent heat treatment, shape dimensions and tolerances in accordance with БДС EN 10219-2:2006. Applied for load-bearing structural construction works (construction works covers building and civil engineering works).
3. **Manufacturer:** HUS Ltd
4027 Plovdiv, Bulgaria, 64A Plovdiv Sever Str.
HUS Ltd Manufacturing plant
3600 Lon, Bulgaria, 1 Industrialna Str.
www.husltd.com
4. **Authorized representative:** Not relevant
5. **System/s or AVCP:** System 2+
- 6 a. **Harmonised standard:** EN 10219-1:2006
Notified body: Институт по механика-БАН, A person for assessment of conformity of construction products license № CPR 02-NB 1938/24.02.2014 на МППБ. Identification number 1938 from EC register.
- 6 b. **European Assessment Document: European Technical Assessment (ETA):** Nor relevant (see 6a)

7. Declared performances:

Essential characteristics	Performance	Harmonised technical specification
Tolerance on dimensions and shape	Correspond	БДС EN 10219-2:2006 item 6.
Material grade – Steel S235JRH , number 1.0039		
Elongation A^d , %	Specified thickness , mm	БДС EN 10219-1:2006 Item 6.7.1 table A.3
	≤3	>3 ≤10
	>17 ^d	>24 ¹
Tensile strength R_m , MPa	Specified thickness , mm	БДС EN 10219-1:2006 Item 6.7.1 table A.3
	≤3	>3 ≤10
	360 - 510	360 - 510
Yield strength R_{eH} , MPa	Specified thickness , mm	БДС EN 10219-1:2006 Item 6.7.1 table A.3
	≤3	>3 ≤10
	≥ 235	≥ 235
Weld ability (Chemical composition)	CEV ≤0,35	БДС EN 10219-1:2006 item 6.6.table A.2 and item 6.8.1.
Impact strength, J	Specified thickness , mm	БДС EN 10219-1:2006 item 6.7.2 table A.3
	<6	≥6 ≤10
	NPD	27
Durability	NPD	БДС EN 10219-1:2006 item 6.8.2, table ZA.1

^d For thicknesses < 3 mm see 9.2.2

¹ For thicknesses > 3 mm and section sizes (B+H)/2T <12,5 the minimum elongation is reduced by 2.

8. Appropriate Technical Documentation and/or Specific Technical Documentation: Standart EN 10219-1/2:2006.

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation EU 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Director Branch Lom, N. Dechev

Lom, April 09, 2022

Information about the environment and safety (REACH)

Products are article within the meaning of Article 3 of the EU regulation № 1907/2006 REACH. The products do not contain substances which can be released from the device under normal and foreseeable conditions of use.

INSTRUCTIONS FOR USE

COLD FORMED STRUCTURAL HOLLOW SECTIONS OF NON-ALLOY AND FINE GRAIN STEELS

1. Application

The sections are suited for metal and reinforced concrete constructions.

2. Instructions for design and use

The following should be noted when designing, choosing the properties and the application of the section in any metal or reinforced concrete construction:

- Size of the section
- Steel grade / chemical composition and physical properties/,
- Weight of one linear meter.

3. Packing

The sections are arranged in bundles fully lined with a maximum weight of 4 000 kg. The bundle is covered on 7 places with metal packaging tape.

4. Marking

Each package bears a label with barcode and information about the size and number of sections in the package, the total length of the packet.

5. Transportation and unloading

Recommended way of transportation - covered transportation vehicles with general purpose which prevent direct climate impact.

An inspection is to be made during loading/unloading stage to confirm that packing and packing strips are present and unharmed. When these are torn and missing any loading/unloading and transportation is to be resumed only after repairing the same.

6. Storage

Store in indoor dry storage areas.

7. Operational Safety

The company's instructions and regulations on safety are to be observed when working with hollow sections. Loading and unloading can be carried out by qualified persons with faulty equipment and personal protective equipment.

8. Waste and environmental protection

The non-utilized remains as a result of the intended use of the hollow sections are to be stored and used for auxiliary work or to be submitted for scrap.

The raw material – a metal sheet and the produced cold formed structural hollow sections do not contain any substances harmful to human health, are non-toxic and do not pollute the environment.

March 2022