



Открытое акционерное общество  
 “Белорусский металлургический завод —  
 управляющая компания холдинга  
 “Белорусская металлургическая компания”

Open Joint-Stock Company  
 “Byelorussian Steel Works — management company of  
 “Byelorussian Metallurgical Company” holding”

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 МФО 151501673, УНП 400074854

Acc. No. 301200380014 with JSCB “BELARUSBANK”, branch 312, Zhlobin,  
 MFO 151501673, TRN 400074854

26.04.2016 № М/847а  
 На № \_\_\_\_\_ от \_\_\_\_\_

## Declaration of performance

(European construction regulations №305/2011, Annex III)  
№ 1.8953/S460NH- CPR-1011

1. Unique identification code of product type: **S460NH – EN 10210-1, -2**
2. Product name: **Hot-rolled seamless hollow sections from unalloyed steel for metal structures**
3. Manufacturer: **Open Joint Stock Company  
 «Byelorussian steel works — management company of «Byelorussian metallurgical company» holding»  
 37, Promyshlennaya str., 247210, Zhlobin, Republic of Belarus  
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 e-mail: [qualdir@bmz.gomel.by](mailto:qualdir@bmz.gomel.by) [www.belsteel.com](http://www.belsteel.com)**
4. Name and address of an authorized representative of the manufacturer acting under mandate: **Not applicable**
5. System for assessment and verification of performance characteristics: **System 2+**
- 6a. Harmonized specification: **EN 10210-1:2006**
- Name and number of notified institution that issued a certificate: **Institution for certification of construction products and metal constructions registered under №0045 TÜV NORD System GmbH &Co.KG (Hamburg, Germany)**
- 6b. European assessment document: **Not applicable**
7. Declared performance:



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Essential characteristics	Performance					Harmonized technical specification
Size	Nominal outer diameter: from 60,3 to 168,3mm Wall thickness from 4,5 to 18mm					EN10210-1:2006
Yield strength	Wall thickness, mm	$R_{eH}$ , MPA, min				
	(Table B.3)					
	$\leq 16$	460				
	$> 16 \leq 18$	440				
Tensile strength	Wall thickness, mm	$R_m$ , MPA				
	(Table B.3)					
	$\leq 18$	540-720				
Percent elongation	Wall thickness, mm	A, %, min				
	(Table B.3)					
	$\leq 18$ (lengthwise)	17				
Impact strength	Test temperature, °C	$KV^p$ , J, min				
	(Table B.3)					
	-20	40				
Carbon equivalent	Wall thickness, mm	$C_{equiv}$ , %, max				
	(Table B.2)					
	$\leq 16$	0,53				
	$> 16 \leq 18$	0,55				
Chemical composition	Max mass fractions, % (Table B.1)					
	C	Si	Mn	P	S	
	0,22	0,60	1,00-1,70	0,035	0,030	
	Nb	V	Al	Ti	Cr	
	0,050	0,20	0,020	0,03	0,30	
	Ni	Mo	Cu	N		
	0,80	0,10	0,70	0,025		

8. Appropriate technical documents and/or specific technical documents

Not applicable

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

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer

Deputy General Director for Technology and Quality E.A. Peretyagina

Name and function

Zhlobin

Place and date of issue

Signature, stamp