



Министерство промышленности Республики Беларусь  
Производственное объединение  
"Белорусский металлургический завод"  
Открытое акционерное общество  
"Белорусский металлургический завод"  
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Рс. 3012003880014 в филиале 312 ОАО СБ "Беларусбанк" г. Жлобина,  
МФО 151501673, УНП 400074854

Ministry of Industry of the Republic of Belarus  
Production association

"Byelorussian Steel Works"  
Open Joint-Stock Company  
"Byelorussian Steel Works"  
37 Promyshlennaya St, 247210, Zhlobin, Gomel region.  
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Acc. No. 301200380014 with JSCB "BELARUSBANK", branch 312, Zhlobin,  
MFO 151501673, TRN 400074854

25.04.2016 № ч/336 а  
На № \_\_\_\_\_ от \_\_\_\_\_

**Declaration of performance**  
(European construction regulations №305/2011, Annex III)

**№ 1.0590 / S450J0-CPR-1011**

- |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Unique identification code of product type                                                | S450J0 - EN 10025-2:2005-04                                                                                                                                                                                                                                                                                                                                     |
| 2. Product name                                                                              | Hot-rolled bars of construction steel for metalware                                                                                                                                                                                                                                                                                                             |
| 3. Manufacturer                                                                              | Open Joint Stock Company<br>«Byelorussian steel works — management company of «Byelorussian metallurgical company» holding»<br>37, Promyshlennaya str., 247210, Zhlobin, Republic of Belarus<br>Tel/fax +375 2334 54129<br><b>e-mail: <a href="mailto:qualdir@bmz.gomel.by">qualdir@bmz.gomel.by</a> <a href="http://www.belsteel.com">www.belsteel.com</a></b> |
| 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 10025-2:2005-04                                                                                                                                                                                                                                                                                                                                              |
| - 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

Essential characteristics	Performance characteristics		Harmonized technical specifications						
Diameter	from 5,5 to 160mm		EN 10060:2003 (table 1)						
Yield strength	Diameter, mm	$R_{eH}$ , MPa, min	EN 10025-2:2005-04 (table 7)						
	5,5 - 16	450							
	17 - 40	430							
	41 - 63	410							
	64 - 80	390							
	85 - 150	380							
Tensile strength	Diameter, mm	$R_m$ , MPa							
	5,5 - 100	550-720							
	105 - 150	530-700							
	160	-							
Specific elongation	Diameter, mm	$L_o$ , %, min							
	5,5 - 150	17							
	160	-							
Impact strength	Diameter, mm	$KV^c$ , J, at 0 °C, min	EN 10025-2:2005-04 (table 9)						
	5,5 - 150	27							
	160	-							
Carbon equivalent	Diameter, mm	C equiv., %, max	EN 10025-2:2005-04 (table 6)						
	5,5 - 30	0,47							
	31 - 150	0,49							
	160	-							
Chemical composition	Max. mass fraction, %							EN 10025-2:2005-04 (table 2)	
	C		Si	Mn	P	S*	N		Cu
	≤16	>40							
	≤40	0,22	0,55	1,70	0,030	0,030	0,025		0,55
Note: * It is allowed to exceed max fraction of sulfur up to 0,045%, according to subparagraph e) of table 2									

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 by:

Deputy General Director for Technology and Quality

Name and function



*E.A. Peretyagina*  
E.A. Peretyagina

signature

Zhlobin

Place and date of issue