



Declaration of Performance

(according to regulation EU No 305/2011)

DoP No. 00186217-01-2013

1) Code of the product type: L0045 according to EN 10027-2

2) Type: Bars (+AR) S355JR according to EN 10025-2-2004

Intended use of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) OAO Severstal

162608, Russia, Vologda region, Cherepovets, Mira str., 30

System of assessment and verification of constancy of performance of the product: System 2+ (according to certificate)

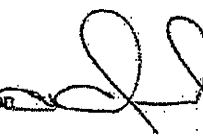
Notified factory production control certification body No. 0038 «Lloyd's Register EMEA» (LR) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control No 0038/CPD/20060016/A.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

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:

Head of CTDQ

Severstal Russian Steel Division

 V.P. Naumchenko

Date: « 11.008.2013 » 2013



Essential characteristic	Performance	Harmonised technical specification	
Tolerances on dimension and shape	Bar EN 10058, EN 10060	EN 10025-1:2004	
Yield strength	Nominal thickness, (mm)		Values, (MPa)
	≤ 16		355
	> 16 ≤ 40		345
	> 40 ≤ 63		335
Tensile strength	> 63 ≤ 65		325
	Nominal thickness, (mm)		Values, (MPa)
	< 3		510 + 680
	≥ 3 ≤ 65		470 + 630
Elongation	Nominal thickness, (mm)		Values, (%)
	≤ 1		14
	> 1 ≤ 1,5		15
	> 1,5 ≤ 2		16
	> 2 ≤ 2,5		17
	> 2,5 ≤ 3		18
	> 3 ≤ 40		22
Impact strength(+20 °C)	> 40 ≤ 63		21
	> 63 ≤ 65		20
	Nominal thickness, (mm)		Values, (J)
Equivalent carbon content (weldability)	≤ 65		27
	Nominal thickness, (mm)	Values, (%)	
	≤ 30	0,45	
Durability (chemical composition)	> 30 ≤ 40	0,47	
	> 40 ≤ 65		
	Nominal thickness, (mm)	Values, (%)	
	≥ 30 ≤ 65	C : 0,24; Si : 0,55; Mn : 1,60; P : 0,035; S : 0,035; N : 0,012; Cu : 0,55	