

## DECLARATION OF PERFORMANCE

№ 19/01/01-05/08-7

1. Unique identification code of product type:	<b>Round bar / steel as per EN 10025-2 S355JR+AR (1.0045)</b>
2. Intended use:	<b>Building constructions or civil engineering / steel structures (welded, bolted, riveted)</b>
3. Producer:	<b>AO "Steel Works Balakovo", 2 shosse Metallurgov, selo Bykov Otrog, Saratov Region, Russia, 413810, tel. (88453) 66-90-00, fax (88453) 66-90-01, e-mail: priemnaya@balmetall.ru</b>
4. Assessment and Verification of Constancy of Performance (AVCP) of structural products:	<b>system 2+</b>
5. Harmonized standart: Notified body:	<b>EN 10025-1:2004 AS Inspecta Latvia, NB 1325</b>
6. Declared performance:	

Essential Characteristics	Quality		Harmonized Technical Requirements	
Permissible Variations in Dimensions and shape	Round bar		EN 10060	
Yield stress	Nominal thickness (mm)		Values (Mpa)	
	>	≤	min	
	10	16	355	
Tensile strength	Nominal thickness (mm)		Values (Mpa)	
	>	≤	min	max
	10	32	470	630
Elongation	Nominal thickness (mm)		Values (%)	
	>	≤	min	
	10	32	22	
Impact energy	Nominal thickness (mm)		Values (J)	
	>	≤	min	
	10	32	27 at +20 °C	
Weldability CEV	Nominal thickness (mm)		Values (%)	
	>	≤	max	
	10	30	0,45	
Durability (chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	max	
	10	32	C: 0,24 Si: 0,55 Mn: 1,60 P: 0,035 S: 0,035 Cu: 0,55 N**: 0,012 V: 0,13	
** The max. Value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020% or if sufficient other N binding elements are present.				

EN 10025-1:2004

7. 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:  
General Director of AO "SW Balakovo"

Balakovo, Russia, 29.04.2020



*(Signature)*

V.V. Babenko