

## Declaration of performance (DOP)

S355 (JR,J0,J2)

Declaration of performance (DOP)  
(according to regulation **EU No 305/2011**)

No 1162-CPR-0255 (Box)  
No 1162-CPR-0256 (Sme)

1. Code of the product type: **1.0045/1.0553/1.0557**  
2. Type: Bars in **S355(JR,J0,J2)** according to **EN10025-2:2004**

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer

To be used in welded, bolted and riveted structures

3. Ovako Bar AB  
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Box 5 SE-590 10 Boxholm Sweden  
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Website: www.ovako.com

CE Marking Notified Body  
DNV Certification AB  
BOX 6046 SE-171 06  
Solna Sweden  
Tel: +46 8 587 940 00  
Website: www.dnvba.se

System of assessment and verification of constancy of performance of the product:  
**System 2+**

Notified factory production control certification body **No. 1162** 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.

Rickard Qvarfort



2014-07-01  
Managing Director

Essential characteristics				Performance				Harmonised technical specification			
Tolerances on dimensions and shape		Flat/Round bars		EN 10058 & EN 10060							
Yield strength (min R <sub>s</sub> )		Nominal thickness/diameter (mm)		Min. Values (N/mm <sup>2</sup> )							
		-16		355							
		(16)-40		345							
		(40)-63		325							
		(63)-100		315							
Tensile strength (min R <sub>m</sub> )		Nominal thickness (mm)		Values (N/mm <sup>2</sup> )							
		16-100		470-630							
Elongation min (A <sub>5</sub> )		Nominal thickness (mm)		Min. Values (%)							
		-40		22							
		(40)-63		21							
		(63)-100		20							
Impact strength (KV)		Temperature (°)		Min. Values (J)							
		20/0/-20		27							
Weldability (CEV)		Nominal thickness (mm)		Max. Values (%)							
		≤30		0,45							
		>30		0,47							
Durability (Chemical composition)				Max. Values (%)							
C	Si	Mn	P	S	Cu						
.24	.55	1,60	.040	.040	.55						
N											
.012											

EN10025-1:2004