

<b>Declaration of Performance</b>		DoP No.: DDS 002
According to Annex III Construction Products Regulation (305/2011/EU)		
For the construction products	<b>Hot-rolled steel bars and sections</b>	
1. Unique identification code for product type:	<b>S235JR + AR EN 10025-2: 2004</b>	
2. Batch No./Serial No.: Acc. To article 11 par. 4	<b>See marking / label / inspection certificate</b>	
3. Intended use for construction product:	<b>Bars and sections for steel construction</b>	
4. Contact address of manufacturer: Acc. To article 11 par. 5	<b>Dufenco Danish Steel A/S Havnevej 47, 3300 Frederiksværk Denmark</b>	
5. Contact address of authorized representative: Acc. Article 12 per. 2	<b>Not relevant</b>	
6. Assessment system and verification for constancy of performance: Acc. to annex V	<b>EN 10025-1, annex ZA, System 2+</b>	
7. The notified body: has conducted the first inspection and continuous surveillance according to the system: and issued the certificate:	<b>TÜV Nord Systems GmbH &amp; Co. KG, Hamburg, Kenn.Nr. 0045  2+ 0045-CPR-0620</b>	
8. Construction product with European Technical Assessment:	<b>no</b>	

10 The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer:


Mauro Bucciolini

General Supervisor

.....  
Name and function

Frederiksværk, 19-09-2022

.....  
Place and date

  
.....  
Signature:

9. Declared performance:									
Essential characteristics			Performance				Harmonized technical specification		
<b>Tolerance on dimensions and shape</b>	Flat		EN 10058				EN 10025-1: 2004		
	Round		EN 10060						
	Square		En 10059						
	UNP		EN 10279						
	Equal angle		EN 10056-2						
	Unequal angle		EN 10056-2						
<b>EN 10025-2: 2004</b>									
<b>Yield strength S235JR</b>	<b>Nominal thickness mm</b>		<b>Min values MPa</b>						
		≤16	235						
	>16	≤40	225						
	>40	≤63	215						
	>63	≤80	215						
<b>Tensile strength</b>	<b>Nominal thickness mm</b>		<b>Min/max values MPa</b>						
	=3	≤100	360-510						
<b>Elongation</b>	<b>Nominal thickness mm</b>		<b>Min values % (A5)</b>						
	≥ 3	≤ 40	26						
	>40	≤63	25						
	>63	≤100	24						
<b>Impact test</b> <small>(If agreed at the time of the order)</small>	<b>Nominal thickness mm</b>	<b>Temperature °C</b>	<b>Min values Joule</b>						
	≤ 150	+20	27						
<b>Weldability</b>	<b>Nominal thickness mm</b>		<b>CEV max values %</b>						
		≤30	0,35						
	>30	≤40	0,35						
	>40	≤150	0,38						
<b>Durability</b> <small>(Chemical composition)</small>	<b>Nominal thickness mm</b>			Si % max	Mn % max	P % max	S % max	N % max	Cu % max
	≤ 16	>16 ≤ 40	>40						
	C% max								
	0,17	0,17	0,20	-	1,40	0,040	0,040	0,012*	0,55
*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.									