

<b>Declaration of Performance</b>		DoP No.: DDS 005
According to Annex III Construction Products Regulation (305/2011/EU) and Construction Products (Amendment etc.) (EU Exit) Regulations 2019 (No. 465) Construction Products (Amendment etc.) (EU Exit) Regulations 2020 (No. 1359)		
For the construction products	<b>Hot-rolled steel bars and sections</b>	
1. Unique identification code for product type	<b>S235JRC + AR BS EN / 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>Duferco 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>BS EN / EN 10025-1, annex ZA, System 2+</b>	
7. The notified body / approved 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 / TÜV UK Limited 0879  2+ 0045-CPR-0620 / 0879-CPR-10025-1- DE00012</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, 15.01.2024

.....  
Place and date

  
Signature:

9. Declared performance:									
Essential characteristics			Performance			Harmonized technical specification / designated standard			
<b>Tolerance on dimensions and shape</b>	Flat		EN 10058			<b>BS EN / EN 10025-1: 2004</b>			
	Round		EN 10060						
	Square		En 10059						
	UNP		EN 10279						
	Equal angle		EN 10056-2						
	Unequal angle		EN 10056-2						
<b>BS EN / EN 10025-2: 2004</b>									
<b>Yield strength S235JRC</b>	<b>Nominal thickness mm</b>		<b>Min values MPa</b>						
		≤16	235						
	>16	≤40	225						
	>40	≤63	215						
<b>Tensile strength</b>	<b>Nominal thickness mm</b>		<b>Min/max values MPa</b>						
	=3	≤100	360-510						
	<b>Nominal thickness mm</b>		<b>Min values % (A5)</b>						
	≥ 3	≤ 40	26						
<b>Elongation</b>	>40	≤63	25						
	>63	≤100	24						
	<b>Nominal thickness mm</b>		<b>Min values Joule</b>						
<b>Impact test</b> <small>(If agreed at the time of the order)</small>	≤ 150	+20	27						
	<b>Flangeability</b> Bend test for cold flanging of flat products with nominal thickness ≤ 30 mm is performed according to EN 10025-2, table 12.								
<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			-	1,40	0,040	0,040	0,012*	0,55
	0,17	0,17	0,20	*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.					