

Declaration of Performance		DoP No.: DDS 005
According to Annex III Construction Products Regulation (305/2011/EU)		
For the construction products	Hot-rolled steel bars and sections	
1. Unique identification code for product type	S235JRC + AR EN 10025-2: 2004	
2. Batch No./Serial No.: Acc. To article 11 par. 4	See marking / label / inspection certificate	
3. Intended use for construction product:	Bars and sections for steel construction	
4. Contact address of manufacturer: Acc. To article 11 par. 5	Duferco Danish Steel A/S Havnevej 47, 3300 Frederiksværk Denmark	
5. Contact address of authorized representative: Acc. Article 12 per. 2	Not relevant	
6. Assessment system and verification for constancy of performance: Acc. to annex V	EN 10025-1, annex ZA, System 2+	
7. The notified body: has conducted the first inspection and continuous surveillance according to the system: and issued the certificate:	TÜV Nord Systems GmbH & Co. KG, Hamburg, Kenn.Nr. 0045 2+ 0045-CPR-0620	
8. Construction product with European Technical Assessment:	no	

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:

Inge Beierholm

Quality Manager

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Name and function

Frederiksværk, 11-11-2013

.....
Place and date



.....
Signature:

9. Declared performance:									
Essential characteristics			Performance			Harmonized technical specification			
Tolerance on dimensions and shape	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						
EN 10025-2: 2004									
Yield strength S235JRC	Nominal thickness mm		Min values MPa						
		≤16	235						
	>16	≤40	225						
	>40	≤63	215						
	>63	≤80	215						
Tensile strength	Nominal thickness mm		Min/max values MPa						
	=3	≤100	360-510						
Elongation	Nominal thickness mm		Min values % (A5)						
	≥ 3	≤ 40	26						
	>40	≤63	25						
	>63	≤100	24						
Impact test <small>(If agreed at the time of the order)</small>	Nominal thickness mm	Temperature °C	Min values Joule						
	≤ 150	+20	27						
Flangeability	Bend test for cold flanging of flat products with nominal thickness ≤ 30 mm is performed according to EN 10025-2, table 12.								
Weldability	Nominal thickness mm		CEV max values %						
		≤30	0,35						
	>30	≤40	0,35						
	>40	≤150	0,38						
Durability <small>(Chemical composition)</small>	Nominal thickness mm			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.					