

Declaration of Performance		DoP No.: DDS 013
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	Hot-rolled steel bars and sections	
1. Unique identification code for product type	S355J2C + AR BS EN / 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	BS EN / EN 10025-1, annex ZA, System 2+	
7. The notified body / approved 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 / TÜV UK Limited 0879 2+ 0045-CPR-0620 / 0879-CPR-10025-1- DE00012	
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:

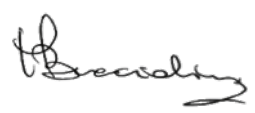
Mauro Bucciolini

General Supervisor

.....
Name and function

Frederiksværk, 15.01.2024

.....
Place and date


Signature:

9. Declared performance:										
Essential characteristics				Performance				Harmonized technical specification / designated standard		
Tolerance on dimensions and shape	Flat			EN 10058			BS EN / EN 10025-1: 2004			
	Round			EN 10060						
	Square			En 10059						
	UNP			EN 10279						
	Equal angle			EN 10056-2						
	Unequal angle			EN 10056-2						
BS EN / EN 10025-2: 2004										
Yield strength S355J2C	Nominal thickness mm			Min values MPa						
		≤16		355						
	>16	≤40		345						
	>40	≤63		355						
Tensile strength	Nominal thickness mm			Min/max values MPa						
	=3	≤100		470-630						
	Elongation	Nominal thickness mm			Min values % (A5)					
		≥ 3	≤ 40		22					
>40		≤63		21						
Impact test	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		0,45						
	>30	≤40		0,47						
	>40	≤150		0,47						
Durability (Chemical composition)	Nominal thickness mm			Si % max	Mn % max	P % max	S % max	N % max	Cu % max	
	≤ 16	>16 ≤ 40	>40							
	C% max									
	0,20	0,20	0,22	0,55	1,60	0,030	0,030	-	0,55	
Fully killed steel containing nitrogen binding elements in amounts sufficient to bind the available nitrogen (f ex min 0,020% Al)										