

Declaration of Performance		DoP No.: DDS 013
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	S355J2C + 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	Dufenco 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:


Mauro Bucciolini

General Supervisor

.....
Name and function

Frederiksværk, 19-09-2022

.....
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 S355J2C	Nominal thickness mm			Min values MPa					
		≤16				355			
	>16	≤40				345			
	>40	≤63				355			
	>63	≤80				325			
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			
	>63	≤100				20			
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)									