

Declaration of Performance		DoP No.: DDS 016
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	S355J2W + AR EN 10025-5: 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:


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 10025-5: 2004									
Yield strength S355J2	Nominal thickness mm				Min values MPa				
		≤16			355				
	>16	≤40			345				
	>40	≤63			335				
	>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			
Weldability									
Durability (Chemical composition)	C% max	Si % max	Mn %	P % max	S % max	Cr %	Cu %	N % max	Nitrogen binding elements
	0,16	0,50	0,50-1,50	0,035	0,035	0,40-0,80	0,25-0,55	-	Yes
Ni: max 0,65%, Mo: max 0,30%, Zr: max 0,15% Fully killed steel containing nitrogen binding elements in amounts sufficient to bind the available nitrogen (f ex Al≥0,20% and/or V:0,02-0,12%, and/or Ti: 0,02-0,10%)									