

## DECLARATION OF PERFORMANCE

No. 0007



<b>General type of product</b>	Steel pipe pile made of structural steel
<b>Unique identification code of the product-type</b>	SSAB RR, RRs, RD and RDs piles
<b>Intended use/s</b>	RR, RRs, RD and RDs piles are used as the foundation piles in all kind of structures where the pile foundations are needed e.g. buildings, bridges, harbors or traffic structures.
<b>Company</b>	SSAB Europe Oy Harvialantie 420 FI-13300 Hämeenlinna Finland
<b>Verification of constancy</b>	System 2+
<b>Notified body</b>	Eurofins Expert Services Oy Ltd Kivimiehentie 4 FI-02150 Espoo
<b>Notified body No</b>	0809

Eurofins Expert Services Oy Ltd performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control, and issued the certificate of constancy of conformity of the factory production control (EC Certificate 0809-CPR-1154). Eurofins Expert Services Oy Ltd granted European technical approval ETA 12/0526 to SSAB Europe Oy.

## Declared performance

Characteristic	Assessment of the characteristic
<b>Mechanical resistance and stability</b>	
Bending resistance (M) of pile with mechanical joint	$M = W \times f_y$
Bending stiffness (EI) of pile with mechanical joint	$EI = 0,75 \times EI_{\text{pile pipe}}$ (in moment range 0,3 - 0,8 x M)
Tension resistance ( $N_t$ ) of pile with mechanical joint	$N_t = 0,15 \times A_s \times f_y$
Compression resistance ( $N_c$ ) of pile with mechanical joint	$N_c = A_s \times f_y$
Material properties and dimensional tolerances	Pile pipe; ETA 12/0526 and EN 10219 Pile components; EN 10219, EN 10294, EN 10297, EN 10025, EN 10083, EN 10248
<b>Dimensional tolerances</b>	
Pile pipe and friction sleeve pipe	ETA 12/0526
Pile components	EN 22768, EN 9013
Testing of material properties and controlling of dimensional tolerances of pile pipe	According to EN 10219
<b>Safety in case of fire</b>	Not relevant
<b>Hygiene, health and environment</b>	No dangerous substances
<b>Safety in use</b>	Not relevant
<b>Protection against noise</b>	Not relevant
<b>Energy economy and heat retention</b>	Not relevant
<b>Aspects of durability, serviceability and identification</b>	The reduced load bearing capacities of pile pipes in consideration of thickness losses due to corrosion set in EN 1993-5 shall be calculated according to valid EN standards or national regulations.

$W$  = section modulus,  $A_s$  = cross-sectional area of steel pile pipe,  $f_y$  = yield strength of pile pipe

The casing shoe and it's fastening welding of the drilled pile is not included in the CE approval.  
The splice of the jacked pile is not included in the CE approval.

**The performance of the product identified is in conformity with the declared performance.  
This declaration of performance is issued under the sole responsibility of the manufacturer.**

**Signed for and on behalf of the manufacturer by**

Petri Suonpuro, Head of Pile products

Hämeenlinna, 02.06.2022