

DECLARATION OF PERFORMANCE

No. 0004



General type of product	Steel pipe pile made of structural steel
Unique identification code of the product-type	SSAB RR, RRs, RD and RDs piles
Intended use/s	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.
Company	SSAB Europe Oy Harvialantie 420 FI-13300 Hämeenlinna Finland
Verification of constancy	System 2+
Notified body	VTT Expert Services Ltd PL 1001 02044 VTT
Notified body No	0537

VTT Expert Services 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-CPD-0774). VTT Expert Services Ltd granted European technical approval ETA-12/0526 to SSAB Europe Oy.

Declared performance

Characteristic	Assessment of the characteristic
Mechanical resistance and stability	
Bending resistance (M) of pile with mechanical joint	$M = W_{el} \times f_y$
Bending stiffness (EI) of pile with mechanical joint	$EI = 0,75 \times EI_{pile\ pipe}$ (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 ja EN10219 Pile components; EN10219, EN10294, EN10297, EN10025, EN10083, EN10248
Dimensional tolerances	
Pile pipe and friction sleeve pipe	ETA-12/0526
Pile components	EN22768, EN9013
Testing of material properties and controlling of dimensional tolerances of pile pipe	According to EN10219
Safety in case of fire	Not relevant
Hygiene, health and environment	No dangerous substances
Safety in use	Not relevant
Protection against noise	Not relevant
Energy economy and heat retention	Not relevant
Aspects of durability, serviceability and identification	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_{el} = elastic 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



Hannu Jokiniemi, Business director

Hämeenlinna, 1.7.2013