

DECLARATION OF PERFORMANCE



VERTICAL SAFETY RAIL



Unique identification code of the product-type:

Orima® Vertical Safety Rail system

Name	Product code	Installation guide	Name	Product code	Installation guide
Fall arrester	33880	VERTICAL SAFETY RAIL SYSTEM	Extension set	33840	VERTICAL SAFETY RAIL SYSTEM
Safety rail 3.0 m	33800		Type plate for the vertical rail system	33900	
Exit arch 2.6 m	33870		Ladder climbing protection for ladder with safety rail	20340	
Rung clamp set, rung Ø 19–30 mm	33860				

Intended use of building product

Personal fall protection equipment. Guided type fall arresters including an anchor line. Guided type fall arresters including a rigid anchor line

The vertical rail and fall arrester are designed and tested as a fall protection system for safe climbing and descending of ladders. The vertical rail and fall arrester are personal fall protection equipment (building product), guided type fall arrester including a rigid anchor line made of rail.

Name of Manufacturer

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System of assessment and verification of constancy of performance of the construction product System 3 (AVCP-class)

Notified body Finnish Institute of Occupational Health, (FIOH), Topeliuksenkatu 41 b, FI-00250 Helsinki, Finland, notified body no. 0403 for personal protective equipment has EC type examined this product according to Directive 89/686/EEC as amended. The Finnish Institute of Occupational Health also monitors the uniform quality of production.

Declared performance Guided type fall arrester including a rigid anchor line made of rail.

Essential characteristics	Performance	Harmonized technical specification
<i>Materials and construction</i>	According to 5.1	EN 353-1:2014
<i>Static strength</i>	Energy dissipating element 2 kN/3 min; max 20 mm according to 5.2.1 Guided type fall arrester including rigid anchor line 15 kN/3 min according to 5.2.2	
<i>Dynamic performance</i>	100 kg $H_{AD} < 1000$ mm, $L_{max} < 6$ kN according to 5.3.2	
<i>Cold condition</i>	100 kg $H_{LD} > 500$ mm, $H_{AD} 1000$ mm according to 5.3.3	
<i>Minimum distance from rigid anchor line</i>	Min and max load $H_{LD} > 500$ mm, $H_{AD} 1000$ mm according to 5.3.4	
<i>Fall back function test</i>	Min and max load $H_{LD} > 500$ mm, $H_{AD} 1000$ mm according to 5.3.6	
<i>Sideways fall function test</i>	Max load $H_{LD} > 500$ mm, $H_{AD} 1000$ mm according to 5.3.7	

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

Signed for and on behalf of the manufacturer by:

Orimattila, 4.3.2019

Mikko Ahonen, CEO