

<b>Id: HVS-Nordic</b>	<b>Heavy Vehicle Simulator - Nordic</b>	Linköping Sweden
Institution: Swedish Road and Transport Research Institute (VTI)		

**Type: Mobile Linear Test Track**

Construction (commissioned): 1997



### Dimensions

Pavement length	10 m
Useful testing length (at constant speed)	6 m

### Loading

Range of Load <sup>(*)</sup>	60-220 kN
Transverse distribution	± 350 mm
Loading direction	⇔

<sup>(\*)</sup> Wheels loads (half axle) are converted to the corresponding axle loads.

### Axle configuration

	or	
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### Speed

Vehicle Speed (max.)	12 km/h
Test frequency (max.) (passes/hour/section)	1100
Practical output (loadings/month/section)	600 000

### Sections

No. of Sections	1 (2)
Thickness	3000 mm
Width	5000 mm

### Measured Variables

	Surface	Asphalt	Unbound Layers	Subgrade
Temperature	x	x	x	x
Moisture content			x	x
Suction				
Deflection (transient)	x			
Vertical Stress			x	x
Horizontal Stress				
Vertical Strain			x	x
Horizontal Strain		x	x	

### Environmental control

Placement	Mobile
Air temperature	©
Pavement temperature	@*
Air moisture	-
Freeze-thaw cycles	-
Water table	®
Rainfall	-

- © total control
- @ partial control
- @\* indirect control (air Temp.)
- ® registered

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