

Id: RTM	Road Testing Machine	Lyngby Denmark
Institution: Technical University of Denmark (DTU) Danish Road Institute (DRI)		

Type: Linear Test Track

Construction (commissioned): 1974



Dimensions

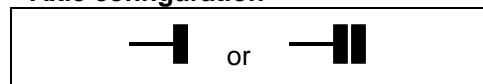
Pavement length	27 m
Useful testing length (at constant speed)	12 m

Loading

Range of Load ^(*)	40-130 kN
Transverse distribution	± 200 mm
Loading direction	↔

^(*) Wheels loads (half axle) are converted to the corresponding axle loads.

Axle configuration



Speed

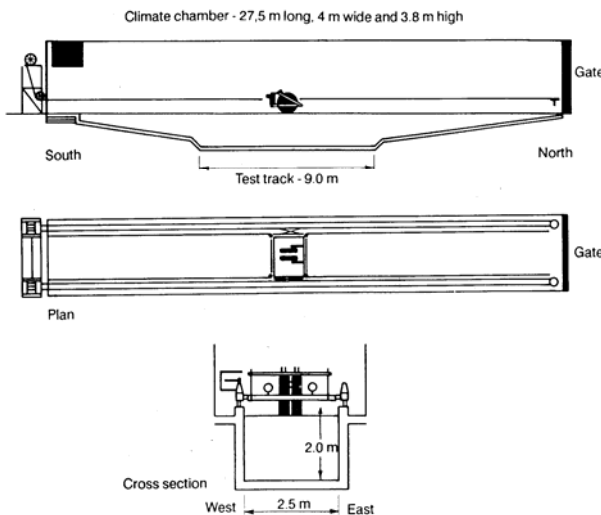
Vehicle Speed (max.)	25 km/h
Test frequency (max.) (passes/hour/section)	900
Practical output (loadings/month/section)	50 000

Sections

No. of Sections	1
Thickness	2000 mm
Width	2500 mm

Measured Variables

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



Environmental control

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

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

Contact people:

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