

Id: TRL	PTF (Pavement Test Facility)	Crowthorne
Institution: TRL		United Kingdom

Type: Linear Test Track

Construction (commissioned): 1984



Dimensions

Pavement length	9 m
Useful testing length (at constant speed)	7 m

Loading

Range of Load ^(*)	46-200 kN
Transverse distribution	± 450 mm
Loading direction	⇨ ⇩ ⇨

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

Axle configuration

	or	
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Speed

Vehicle Speed (max.)	20 km/h
Test frequency (max.) (passes/hour/section)	1000
Practical output (loadings/month/section)	500 000

Sections

No. of Sections	1
Thickness	3000 mm
Width	2400 mm

Measured Variables

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

Environmental control

	Indoors
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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