

<b>Id: CEDEX</b>		<b>Madrid Spain</b>
Institution: Transport Research Center of CEDEX		

**Type: Linear Test Track**

Construction (commissioned): 1987



**Dimensions**

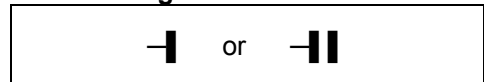
Pavement length	288 m
Useful testing length (at constant speed)	288 m

**Loading**

Range of Load <sup>(*)</sup>	110-140 kN
Transverse distribution	± 360 mm
Loading direction	⇒

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

**Axle configuration**

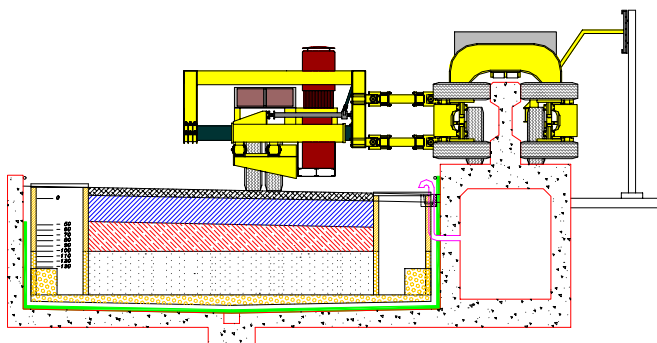


**Speed**

Vehicle Speed (max.)	60 km/h
Test frequency (max.) (passes/hour/section)	400
Practical output (loadings/month/section)	100 000

**Sections**

No. of Sections	1
Thickness	2000 mm
Width	8000 mm



**Measured Variables**

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

**Environmental control**

Placement	Outdoors
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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**Brief description of Topics/Tests carried out during recent years**

The last three test have been focused on subgrade performance. A total of 18 sections have been tested, including different types and different thicknesses of natural soils and cement-stabilized soils.

The results are intended to have a better understanding of subgrade performance and propose specific solutions for the Spanish Subgrade Catalogue.

Curves of the installation have been used to test different wearing courses; stone-mastic asphalt, porous asphalt, asphalt concrete, etc.

Only functional performance and surface characteristics are evaluated for the wearing courses, that have been placed on a high modulus asphalt course over a structural reinforced concrete slab.