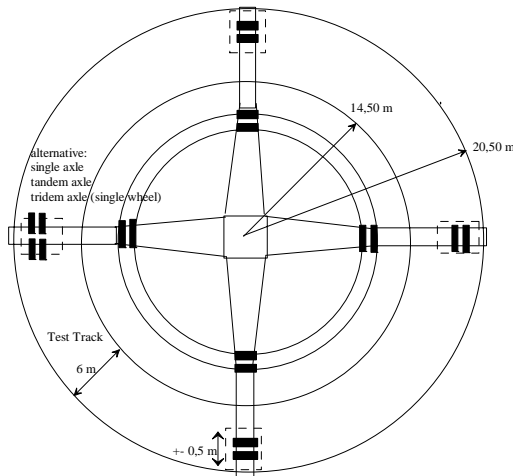


Id: LCPC	Manège de Fatigue	Nantes
Institution: Laboratoire Central des Ponts et Chaussées (LCPC)		France

Type: Circular Test Track

Construction (commissioned): 1984



Dimensions

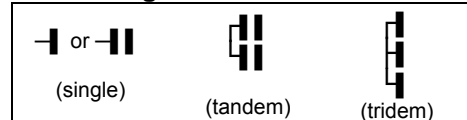
Mean diameter	35 m
No. of arms	4

Loading

Range of Load ^(*)	40-140 kN
Transverse distribution	± 500 mm

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

Axle configuration



Speed

Vehicle Speed (max.)	100 km/h
Test frequency (max.) (passes/hour/section)	3400
Practical output (loadings/month/section)	500 000

Sections

No. of Sections	4
Thickness	900 mm
Width	6000 mm

Measured Variables

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

Environmental control

Placement	Outdoors
Air temperature	®
Pavement temperature	®
Air moisture	-
Freeze-thaw cycles	-
Water table	© or ®
Rainfall	®

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

Contact people:

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