

Test Bench 1882 VARIABLE SLOPING RAMP

Applications

Sloping Ramp applies to verify over long time the efficiency of standing (hand) brake of vehicles at different gradient (variable from 1% to 66%). **Sloping Ramp** is a very simple-to-use equipment manufactured for use in outdoor testing.



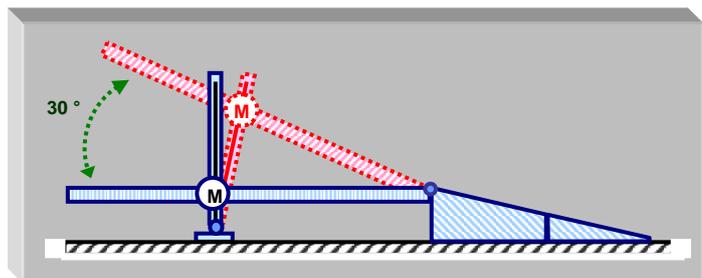
The **Sloping Ramp** is to be set and clamped on a bed of reinforced concrete.

The vehicle to be tested is driven to the sloping part of the ramp, then its parking brake is hold up. Afterward, the Ramp is moved to the requested gradient value and all the system is left in this condition for the test time (hours or days).

At the end of the test time the vehicle must be firm in the same position as the beginning, without move or slide down. Any movements happening shown a decay of the braking system



Sloping Ramp represents a cheap and effective method for testing long term efficiency of vehicle's parking brake. Further, this equipment requires a **very little maintenance** and, due to its simplicity, has a **long time reliability**.

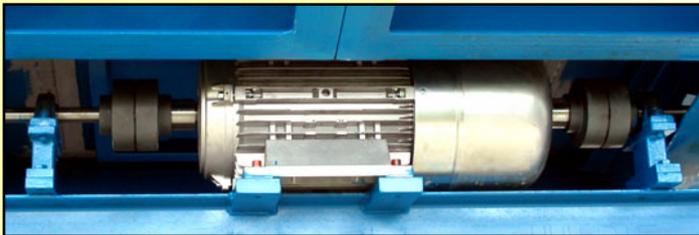


Specifications



Control Board The Control Board is very simple to manage as it has got only three pushbuttons (Power ON, Ramp up, Ramp down). The Control Board can be seen as a **remote control** and can be placed out of the Test Bench area (e.g. it can be fixed on a wall).

Test Bench Test Bench includes two parts: the Approach Ramp (fixed) and the Sloping Ramp (movable). Approach Ramp is used to carry on the Vehicle, while the Sloping Ramp is where the vehicle is to be tested. At each side of the Sloping Ramp is mounted the screwjack for to lift and to lower the platform. Both screw-jacks are driven by a three-phases induction braking motor.



Main Features

AC Power Supply: 400 VAC, 50Hz, 3-phases, 16 kW

Auxiliary P. Supply 24 VDC, 10 A, internal source

Ramp inclination: from 0 degrees to 30 degrees (gradient of 66%). The gradient angle changes in continuous and linear way by means of a screw-nut screw system.

Ramp capacity: 6,000 kg (6.0 tons) max

Rise time: 60" from 0 to 30 degrees

Fall time: 60" from 30 to 0 degrees

Overall Sizes: 13,500 (L) x 3,420 (W) x 5,500 (H). H refers to the Ramp up 30 degrees

Available area: 8,000 (L) x 2,850 (W) mm

The ramp is equipped with a handrail around 3 sides



Other versions on request. Ask to CEC for your needs and we can promptly submit to you the most convenient solution, based on over 30 years' experience in this field.