

Mobile power test stand for workshops

Technical description

The equipment is positioned in the inspection pit and the carda shaft of the vehicle uncoupled from the rear axle and coupled to the input shaft of the inverted tooth chain drive. The system is now ready to operate. The inverted tooth chain drive bridges the wheel base and gears up to the operating speed of the eddy-current brake below.

Enclosed housing with retensioning via adjustable tensioning sprocket with oil circulation lubrication.

Torque peaks of up to 10000 Nm and chain velocities of up to 27 m/s are possible.

Special features

- smooth running and low-noise
- high power density = low space requirement
- very high efficiency at approx. 99%

Technical data

Braking power N	600 [kW]
Speed n1	2.300 rpm
Speed n2	3.500 rpm
Drive torque	max. 10.000 [Nm]
Shaft center distance	707 [mm]
Velocity v	26.8 [m/s]
Ratio i	1.5 speed up
Tooth chain type	HPC

