

x-brake

THE FLEXIBLE BRAKE TEST STAND

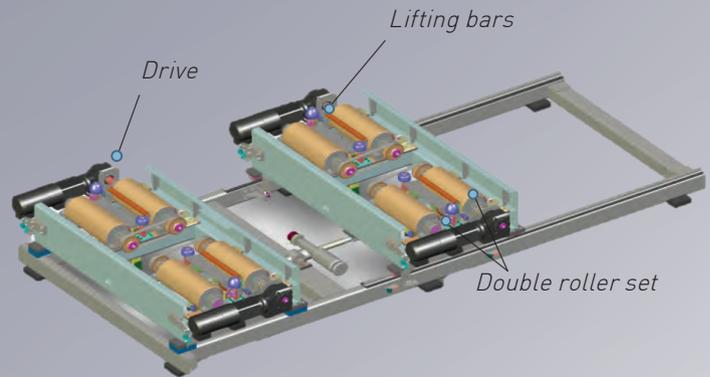


Tasks

- » Measurement and evaluation of the maximum vehicle brake force at low speed are done on the brake test stand x-brake.
- » The brake test stand is suitable to test front, rear and 4-wheel drive vehicles.
- » Function test of parking brake
- » Brake test (max. brake force)
- » Brake force balance lh/rh
- » ABS test at low speed

x-brake

Technical Data x-brake	
Brake test:	2.5 km/h
Test speed sensor test (option):	0 - 10 km/h
Maximum test force:	5000 N at 2.5 km/h
Max. force tolerance, static:	+/- 2% of final value
Measuring accuracy of speed detection:	+/- 3%
Coloring:	according to Dürr Standard
Mechanical and electrical version (components):	according to Dürr Standard
Max. axle load:	2000 kg



» Layout x-brake

The main modules of x-brake are:

- » Double roller set with lifting bar at front and rear axle to support the vehicle wheels
- » 4 off geared motors with brake to drive the double roller sets, speed 2.5 km/h. Option: frequency-controlled in the speed range of 0 - 10 km/h.
- » Load cells at each roller set for brake force measurement
- » Contact rollers for vehicle and slip rate detection
- » Motor-driven wheelbase adjustment
- » Option: Transducer for hand brake and pedal brake force
- » Automation system x-line to control, visualize and store measurement, setting and nominal values in a database as well as to connect with high-level hall networks

Vehicle tests:

- » ABS sensor - commutation test (with ECU communication)*
- » ABS valve - commutation test (with ECU communication)*
- » ABS sensor - quality test (with ECU communication)*
- » "Static" brake test v-constant, driven by test stand
- » Slip rate detection and control

* The photos resp. images of the assembly and test systems in our flyer do not show the complete system. The requirements of the machine regulations (2006/42/EG) are only fulfilled through additional scopes of supply resp. have to be fulfilled by the manufacturer of (complete) machines on delivery of uncomplete machines.
Flyer x-brake, version B

