



**SERIES BD 8XXX**

## **Truck brake tester BD 8427**

Up to 18 t axle load, mechanic NEW 2017, PC ready | ICperform Software, New Tablet-App | 2 Speed, electromagnetic motor brake, 4 x 4, Roller 1000 mm | ASA-Livestream, hydraulic load simulation, 8-points-weight system

Article number: BD 8427

For articles to be ordered, see configuration.

## Description

- Up to 18 t axle load, mechanic NEW 2017, PC ready
- ICperform Software, New with Tablet-App
- 2 Speed, 4 x 4
- Coated Rollers, 1000 mm
- With electromagnetic motor brake
- ASA-Livestream
- Hydraulic load simulation
- 8-points-weight system
- Fits in popular foundations

### Optional accessories

- Durable sliding
- 8-points-weight system (available in bill of material in some configuration)
- Option for Tacho control
- Drive-over plates
- Weather-resistant hot-dip galvanization, steel chains
- Radio controlled air-pressure sensors
- Pit safety in different sizes

### ICperform: new Software

- Intuitive and fast in use
- Optimum display of all relevant measured values
- Easy handling
- Faster brake testing
- Print and database functions
- Connection with other test devices within the test lane

### ICperform Tablet-App

ICperform tablet app: measuring faster without having to get on and off the truck

- The intuitive user interface can be accessed via Android tablets operate and enable stable measured value transmission and control via the W-LAN connection - even from inside the vehicle.
- Roll resistance, ovality, braking forces per axis or wheel, left-right comparison or pressure values, all data are displayed in real time and visually intuitive
- Working with Beissbarth's ICperform tablet app speeds up the process and eliminates unnecessary entry and exit from the vehicle.

New! ICperform tablet app from Google Play

- The app is available at [play.google.com](https://play.google.com). Download it to your tablet and try the features for up to 30 days free of charge. You can obtain your license for the ICperform tablet app (order number 1 691 810 756) directly from the Beissbarth hotline.

Carrying out brake tests easily and quickly with the software ICperform tablet

- Data entry of vehicle information
- Selection of testing mode
- Test control conveniently in the vehicle cabin
- Usage of own tablet devices
- Same representation as on the workshop PC monitor

Easy control from the inside of the truck

- Intuitive and guided: fully automated procedure (covers 80 % of the common test

ing routines) incl. archiving and printing of the measured values

- Integrated remote control
- State of the braking test and important measuring results always at a glance

Download at [play.google.com](https://play.google.com) and use the app for free of charge for a 30 days testing period

### **Connected Repair for networked truck systems**

- Brake testing
- Headlight testing
- Emission analysis
- Air condition service

Connected Repair is able to read commercially available job data. Thanks to crosslinking, the central server-based software solution eases and accelerates the work processes of all connected test devices. Purchasing BD, the software for one work station is included within the scope of delivery.

- Installation of one PC is free of charge
- Networking of other workplaces via licence (availability at their Beissbarth dealers.)
- Available in 16 languages

Connected repair: for faster work processes with the HTD 815 headlight tester

- Tests all types of light sources (xenon, bi-xenon, LED, bi-LED, halogen) and all types of truck headlights.
- MLD 815 Matrix/DLA version for glare-free high-beam systems (DLA\*, Matrix)
- With CMOS camera and integrated printer.

\* Dynamic Light Assist

### **Hydraulic load simulation**

- In line with § 29 StVZO (VkBf. 09/2011), of the German road traffic registration ordinance, Deadline 31.12.2019\*
- Lifting device for load simulation (lifting height: 200 mm)
- Neatly integrated into the roller housing
- Increases the brake-cylinder pressure to the 1.7 bar demanded
- Remote control (optional) right from the driver cab
- Suitable for almost all trucks and trailers
- Especially recommended for empty/lightweight lorries

According to the guideline, commercial vehicles need to be tested with a minimum statutory brake pressure of 1.7 bar. In case of commercial vehicles with a high load/no-load ratio - e.g. empty trucks and trailers - not building up the required minimum pressure, load simulation can be used as well. Instead of sophisticated tying down of multiple axles, the axle to be tested can also be lifted for the test. At this much simpler procedure, the required axial pressure is created by altering the weight balance.

### **Fits in almost all popular foundations**

- Easy installation
- Because the hydraulics of the load simulation is integrated in the roller set housing, it is possible to install the BD in almost all old foundations. Simply remove the old test bench and use new ones.

### **System requirements**

Min. PC requirements

- Operating system: Windows 7, Windows 10, 64 Bit
- Processor: Celeron 2.7 GHz
- Random access memory: 4 GB
- Hard disk: 500 GB
- Serial port: 2x RS232 (COM)

Min. PC display requirements (trolley)

- Size: 27"
- Solution: 1920 x 1080
- Width-to-height ratio: 16:9

Min. HDMI-TV requirements (substitute for analogue display)

- Minimum size: 40"
- Recommended size: 55"
- Solution: 1920 x 1080
- Width-to-height ratio: 16:9

Min. tablet requirements

- Operating system: Android 5.0 or higher
- Minimum size: 8"
- Recommended size: 9,6"
- Width-to-height ratio: 16 : 9 or 16:10
- Basic requirement: WLAN network with router

#### Scope of delivery

- Truck Software (part No. 1 691 810 741)
- Incl. ASA-Livestream
- Hydraulic load simulation
- Roller set left (part No. 1 691 810 512)
- Roller set right (part No. 1 691 810 513)
- Power-Box (part No. 1 691 810 547)
- Incl. 30 m cable

#### Configuration

1 691 810 741	Standard-Software Truck   ICperform
1 691 810 512	Roller set series 8   left
1 691 810 513	Roller set series 8   right
1 691 810 547	Power-Box Series 8

#### Technical Data

Wheel diameter max.	1200 mm
Rim diameter max.	40 "
Protection class	IP 54
Length	1350 mm
Height	782 mm
Measuring system	- DMS

Width	1140 mm
Coefficient of friction dry/wet	0,8 / 0,7
Roller length	1000 mm
Roller elevation	50 mm
Rim diameter min.	13 "
Roller diameter	280 mm
Test width min.	900 mm
Test width max.	2900 mm
Wheel diameter min.	320 mm
Roller axle distance	438 mm
Weight without lifting device approx.	750 kg
Weight with lifting device approx.	1030 kg
Roller set lifting	200 mm
Motor connection cable	7 x 4 mm <sup>2</sup>
Gear ratio	1 / 17,27
Test speed (low)	2,3 km/h
Test speed (high)	4,6 km/h
Motor revolution speed (low)	1450 rpm
Motor revolution speed (high)	2950 rpm
Roller revolution speed (low)	43,4 rpm
Roller revolution speed (high)	87,6 rpm
Motor power (low)	2 x 10 kW
Motor power (high)	2 x 12,5 kW

## Accessories

1 691 810 713	Built-in frame BD 8xxx / 1000 mm / 18 to   separated, with pit
1 691 810 714	Built-in frame BD 8xxx / 1000/1100 mm   track width 3000 mm   non-separated (w/o pit)
1 691 810 715	Built-in frame BD 8xxx / 1000/1100 mm   track width 3100 mm   non-separated (w/o pit)
1 691 810 716	Built-in frame BD 8xxx / 1000/1100 mm   track width 3200 mm   non-separated (w/o pit)
1 691 810 756	Tablet-App
1 691 810 704	IR remote control Truck
1 691 810 702	IR Kit Truck
1 691 810 701	Remote Control for load simulation
1 691 810 703	Testlane PC with a serial interface
1 691 811 250	PC cabinet Standard   empty
1 691 810 743	PC gear pack for PC cabinet Standard

1 693 740 884	Monitor holder 17 - 27 "
1 693 740 911	Monitor holder 22 - 35 "
1 691 810 750	Display RAL 7016   analog, rectangular   LCD, svivel arm, IR receiver
1 691 810 722	Stand column aluminium   RAL 7016   for TV Monitor / rectangular analog display
1 691 810 723	Pit safety PSC2   cross
1 691 810 724	Pit safety PSC2   cross
1 691 810 725	Pit safety PSC2   cross
1 691 810 726	Pit safety PSC1   long
1 692 100 102	Swivel bracket PSC1
1 691 810 733	Wired air pressure sensor APS1   basic set - PM / PX1
1 691 810 734	Wired pedal force tester APS1   PD
1 691 810 730	Wireless air pressure sensor APS2   basic set - PM / PX1 / PX2 / charge unit
1 691 810 732	Additional pressure sensor APS2   PX incl. charge unit
1 691 810 735	Warn-System for air pressure sensors
1 691 841 007	Side Slip Tester MSS 8400
1 691 842 001	Built in frame for MSS 8400
1 691 850 100	Joint play detector GST 8508   400V
1 691 810 717	Kit-Drive over plate BD 6xxx / BD 8xxx / 1000/1100 mm
1 691 810 736	Adaptation kit for tachograph test with proximity switch BD8xxx   18 to
1 691 810 737	Adaptation kit for Semmler Tachocontrol BD8xxx   18 to
1 691 601 392	Digital calibration kit for brake tester