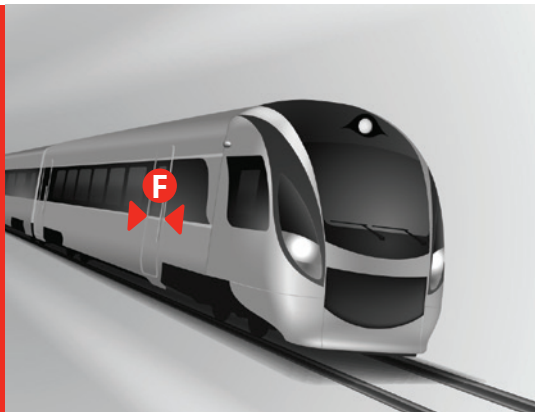
Pinch Force Measurement System for Railway Doors
Applicable for EN 14752:2015 and EN 14752:2005

BIA 600



Safety ensured by Pinch Force Measurement

DriveTest GmbH develops and produces test-systems for the world-wide use in the automotive and railway industry. As one of the pioneering companies in the field of pinch force measurement **DriveTest** offers a broad range of different systems for a variety of applications. Every system supports the control of applicable standards. The service comprises the consultation, maintenance and calibration of the measuring devices. Major customers include the Deutsche Bahn and many municipal transportation departments.

DriveTest's BIA 600 is an electronic pinch force measuring system for power driven train and tramway doors. Combining rugged construction with precision, the advanced mechanical design delivers exact measurements, even after years of usage in an industrial environment.

Fast and easy performance of repetitive measurements is an important aspect of standard test scenarios. **DriveTest** has responded to this requirement by developing software which streamlines the measurement process and drastically reduces documentation effort. Measurements made on a complete vehicle can be entered, printed as a table, and stored in a database with a minimum of user entries.

The investment in a BIA 600 System repays itself within a short time.

- **Applicable standards**
  DIN EN 14752:2015,
  DIN EN 14752:2005 (optional)
- **Precision measurements**
  uses frictionless guides and a single point (platform) load cell
- **Robust construction**
  manufactured from durable aluminium for long service life in industrial environment
- **Ease of Use**
  single-button operation
- **Professional software**
  PinchPilot offers complete functionality
- **Spacers**
  for all apertures required by EN 14752:2015
- **Automatic limit setting**
  according to detected spacers
- **Complete delivery**
  all components packed in high-quality transportation case
- **Management support for large vehicle pools**
  integration in existing software infrastructure available

DriveTest

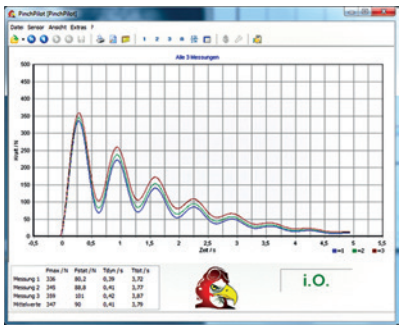
Technical specifications*

BIA 600

BIA 600		Electronic Box SEB2	Spacer set	Software PinchPilot
Force entry:	both-sided	SEB2 plus sensor BIA 600 are required for measurements	Complete set – performs all aper-tures required by EN 14752:2015	Multi-Language (DE, EN, IT, FR, ES)
Range:	0–700 N	optional PC controlled measurements	Automatic detection / recor-ding of applied spacers	Graphical display of force
Precision:	+/– 3 N (0–100 N) +/– 3 % (>100 N)	LCD display	Automatic limit setting – according to opening width	Calculation of relevant results
Stiffness:	10 N/mm	Powered by 9 V bloc battery	Ease of Use – fast mounting and dismounting, no tools required	Assessment with respect to different standards
Gap width:	90 mm	Onboard real time clock	Robust construction – manu-factured from durable POM	User defined standard
Area:	100 x 100 mm	Storage for approx. 100 measurements	All in one case	Report printout
Force sensor:	Strain Gauge Bridge	Sensor and PC interfaces		Data export (Excel, CSV, PDF)
Size:	320 x 250 x 110 mm	Peak force display		optional device under test identification
Weight:	3.0 kg	Pass/fail evaluation		

What's included?

- Sensor connection cable
- Seperate data logging module (Electronic Box SEB2) with LCD display, LED states, button, and serial interface
- 9 V Battery
- Spacer set (4 pieces) for EN 14752:2015
- Transportation case with foam inserts for ease of storage and transport
- PC connection cable (USB)
- USB memory stick with PinchPilot PC analysis software for Windows Vista, W7, W8 and W10 and documentation
- Users manual
- Calibration certificate



optional for EN 14752:2005