MBT-SERIES

FROM BRAKE TESTER
TO TEST LANE, FOR ALL
VEHICLE CLASSES

made by MAHA
made in Germany

MAHA

THE MAHA MODULAR SYSTEM

the individual tester from the series

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MBT series displays and controls – individual solutions for the most demanding requirements

MCD 2000

MCD 2000" communication desk
Display and PC control unit with comfortable guided function and extensive databases for professional use.

"Classic" and "Competence" Multi-analogue displays
Clear display of measured values on pointer instruments that are easy to read. The (2-way) "Classic display" and the (4-way) "Competence display" with VARIODATA digital displays can also be equipped to display additional measured values such as axle load, brake pressure, deceleration, braking force and pedal force, as well as to include user guidance.

1. **Lockable drawer for keyboard and PC mouse**
2. **Integrated switch cabinet for tester control**
3. **Option: Side shelf for additional equipment**
4. **Digital/optical differential display**
5. **VARIODATA extension module 1 – 4**
6. **Option: Ticker text**

MBT SERIES ROLLER BRAKE TESTERS

the right tester for all requirements

MBT 3000 SERIES

Thanks to an authorized traversable axle load of 8 t, the MBT 3000 series roller brake testers are especially suitable for testing light trucks, vans and motorized caravans. The compact design of the roller set ensures easy installation with no need for extensive preparations or an installation pit. The display design can be either analog or a digital version with a PC. Even the basic version provides the ability to expand to a complete test lane with shock absorber tester and side slip tester.

MBT 4000 SERIES

MBT 4000 series testers stand out thanks to their high flexibility in terms of potential applications. The roller set dimensions offer the best testing capabilities for standard cars and trucks. The separated roller set design is particularly suitable for assembly using an installation pit. The display design can be either analog or a digital version with a PC and can be extended to include a test lane.

MBT 5000 SERIES

Testers for "mobile roadside inspection" in particular have been developed in the MBT 5000 series. The low minimum height means that these testers are mobile and flexible, and can be used without installation pit preparations. The display design can be either analog or a digital version with a PC.

MBT 6000 SERIES

Appropriate test equipment is required for testing the brakes of vehicles with large wheel dimensions and variable track widths. The MBT 6000 testers have been specially developed to meet these requirements and are characterized by their unique dimensions. They can be used for agricultural vehicles or special vehicles of any kind. MBT 6000 series testers offer (almost) limitless options. The display design can be either analog or a digital version with a PC.

MBT 7000 SERIES

Recommended by vehicle manufacturers and used by international testing organizations in continuous operation. MBT 7000 series testers are the world's most commonly used brake testers and are used for truck diagnostics in particular. The optimized roller set dimensions make these benches versatile for both truck and car testing. These test benches can be upgraded with many accessories and offer a wide range of diagnostics options, even when vehicle throughput is high. The display design can be either analog or a digital version with a PC and can be extended to include a test lane.

MBT 3000 SERIES

Thanks to an authorized traversable axle load of 8 t, the MBT 3000 series roller brake testers are especially suitable for testing light trucks, vans and motorized caravans. The compact design of the roller sets ensures easy installation with no need for extensive preparations or an installation pit. The display design can be either analog or a digital version with a PC. Even the basic version provides the ability to expand to a complete test lane with shock absorber tester and side slip tester.

Example illustration: MBT 3200 LON

Description

- Automatic start-up monitoring
- Delayed automatic switch-on after entering the tester
- Automatic cutoff at selected slip with pointer stop and automatic restart
- Automatic switch-off after exiting the tester
- Single wheel switchover
- Electronic DMS measuring system
- Self-supporting, enclosed roller set
- Welded roller surface (plastic coated on request)
- Star-delta switching
- Lockable main switch
- TUV approved
- Corrosion protection: Powder coating

Multi-analogue display
Clear display on pointer instruments that are easy to read.

With 3200 LON and 3200 with optional 4WD regulation set:
Multi-analogue display with two analog index clocks (diameter 2 x 350 mm) and integrated switching and electrical cabinet. Display option for brake tester, side slip tester and shock absorber tester.
Differential (LED bar) display for assessing braking force imbalance, shock absorber imbalance and side slip deviation.

With 3250 EUROSYSTEM and 3250 with optional 4WD regulation set:
Communication desk or switch cabinet for tester control, lockable drawer for keyboard and computer mouse, storage compartment for writing accessories, etc. The monitor support is set up pursuant to the VESA standard. Measured value, differential display and graphics on a PC monitor (optional).

DESIGN VERSIONS AND DELIVERY SCOPE

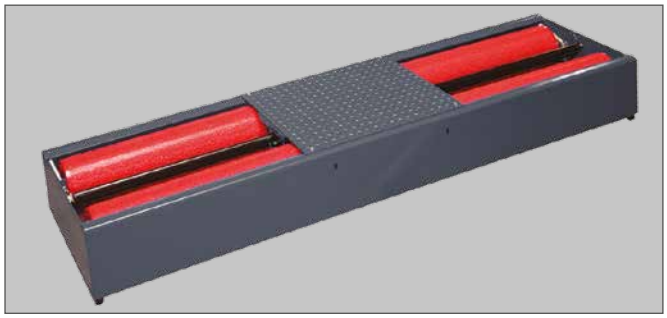
	MBT 3200 LON	MBT 3250 EUROSYSTEM
Multi-analogue display	X	O
MCD 2000 communication desk	O	X
Test software LON Basic	O	–
EUROSYSTEM test software	–	X
4WD regulation set	O	O

The current price list gives details of other accessories.

X These are included in the delivery scope O Optionally available – Not available

MCD 2000 communication desk
Display and PC control unit with comfortable guided function and extensive databases for professional use.

MBT 3000 series roller set with preparation for weighing device
- Axle load 8 t
- Motor rating 5.5 kW



TECHNICAL DATA

DISPLAY/CONTROL	LON	EUROSYSTEM / EUROSYSTEM ALLRAD
Display unit	Multi-analogue display Ø 2 x 350 mm	PC monitor and/or radio touchscreen FTS 2018
Control	Integrated control circuit board	Fully automatic thanks to the MCD communication desk
Display area	0 – 16 kN	0 – 16 kN
Display unit dimensions (H x D x W)	910 x 300 x 870 mm	1230 x 350 x 860 mm (without printer compartment)
Weight	approx. 60 – 100 kg	approx. 100 – 120 kg
Interface connector	RS 232 for printer or PC	Ethernet network

ROLLER SET	MBT 3000 SERIES
Authorized axle load (minimum height)	8.0 t
Drive power of motors	2 x 5.5 kW
Test speed	5 km/h
Minimal/maximal scan	870 / 2800 mm
Roller diameter	202 mm
Roller center distance	400 mm
Electrical connection value	3 x 400V/N/PE 50/60 Hz
Fuse protection	35 A time-delay
Bearing	watertight, maintenance-free
Corrosion protection	powder coating (optionally hot-dip galvanised)
Roller set dimensions (H x D x W)	280 x 680 x 2925 mm
Packaging dimensions (H x D x W)	400 x 800 x 3000 mm
Weight including packaging	approx. 500 kg

OPTIONS	
Radio pressure transducer, pneumatic	0 – 20 bar
Radio pressure transducer, hydraulic	0 – 160 bar
Weighing device	0 – 8 t

MBT 4000 SERIES

MBT 4000 series testers stand out thanks to their high flexibility in terms of potential applications. The roller set dimensions offer the best testing capabilities for standard cars and trucks. The separated roller set design is particularly suitable for assembly using an installation pit. The display design can be either analog or a digital version with a PC and can be extended to include a test lane.

Example illustration: MBT 4200 LON W CLASSIC

Description

- Automatic start-up monitoring
- Delayed automatic switch-on after entering the tester
- Automatic cutoff at selected slip with pointer stop and automatic restart
- Automatic switch-off after exiting the tester
- Single wheel switchover
- Electronic DMS measuring system
- Self-supporting split roller set
- Rear roller banked by 40 mm
- Welded roller surface (plastic coated on request)
- Star-delta switching
- Splash-proof motors
- TUV approved
- Lockable main switch
- RS 232 interface connector
- Corrosion protection: Powder coating

Multi-analogue display
Clear presentation on clearly readable dial instruments, combined with VARIODATA digital displays and (moving text) user interface.

With 4200 LON and 4200 with optional 4WD regulation set:
Multi-analogue display analog display with two (CLASSIC) or four (4WD, COMPETENCE) index clocks. (Diameter 2 or 4 x 350 mm) and integrated switching and electrical cabinet.
Display option for brake tester, side slip tester and shock absorber tester. (3-digit) differential display for assessing braking force imbalance, shock absorber imbalance and side slip deviation.

With 4250 LON and 4250 with optional 4WD regulation set:
Communication desk or switch cabinet for tester control, lockable drawer for keyboard and computer mouse, storage compartment for writing accessories, etc. The monitor support is set up pursuant to the VESA standard. Measured value, differential display and graphics on a PC monitor (optional).

DESIGN VERSIONS AND DELIVERY SCOPE

	MBT 4200 LON W CLASSIC	MBT 4200 LON W COMPETENCE	MBT 4250 EUROSYSTEM
2- way Multi-analogue display	X	–	O
4- way Multi-analogue display	–	X	O
Preparation for weighing device	X	X	X
MCD 2000 communication desk	O	O	X
LON-Basic test software	O	O	–
EUROSYSTEM test software	–	–	X
4WD regulation set	O	O	O

The current price list gives details of other accessories.

X These are included in the delivery scope O Optionally available – Not available

MCD 2000 communication desk
Display and PC control unit with comfortable guided function and extensive databases for professional use.

MBT 4000 series roller set with no preparation for weighing device
- Axle load 13 t (loads of up to 15 t)
- Motor rating from 9 kW to 11 kW
- Rear roller banked by 40 mm

TECHNICAL DATA

DISPLAY/CONTROL	LON / LON ALLRAD	EUROSYSTEM / EUROSYSTEM ALLRAD
Display unit	Multi-analogue display 2 x Ø 350 mm (CLASSIC) or 4 x Ø 350 mm (COMPETENCE)	PC monitor and/or radio touchscreen FTS 2018
Control	Integrated control circuit board	Fully automatic thanks to the MCD communication desk
Display area	0 – 40 kN	0 – 40 kN
Display unit dimensions (H x D x W)	910 x 870 x 300 mm (CLASSIC) or 1060 x 870 x 300 mm (COMPETENCE)	860 x 1230 x 350 mm (without printer compartment)
Weight	approx. 60 – 100 kg	approx. 100 – 120 kg
Interface connector	RS 232 for printer or PC	Ethernet network

ROLLER SET	MBT 4000 SERIES
Authorized axle load (minimum height)	13 t / 15 t*
Drive power of motors	2 x 9 kW / 11 kW*
Test speed	2.3 km/h (2.3 / 4.6 km/h)*
Roller length	1000 mm
Roller diameter	202 mm
Roller center distance	430 mm
Electrical connection value	3 x 400 V/N/PE 50/60 Hz
Fuse protection	50 – 63 A time-delay
Bearing	watertight, maintenance-free
Corrosion protection	powder coating (optionally hot-dip galvanised)
Roller set half dimensions (H x D x W)	550 x 1050 x 1250 mm
Weight (2 parts)	approx. 1200 kg

OPTIONS	
Radio pressure transducer, pneumatic	0 – 20 bar
Radio pressure transducer, hydraulic	0 – 160 bar
Hydraulic weight simulator	0 – 10 t
Weighing device	0 – 20 t

* Option

MBT 5000 SERIES

Testers for "mobile roadside inspection" in particular have been developed in the MBT 5000 series. The low minimum height means that these testers are mobile and flexible, and can be used without installation pit preparations. The display design can be either analog or a digital version with a PC.

Example illustration: MBT 5000 series

Description

- Automatic start-up monitoring
- Delayed automatic switch-on after entering the tester
- Automatic cutoff at selected slip with pointer stop and automatic restart
- Automatic switch-off after exiting the tester
- Single wheel switchover
- Electronic DMS measuring system
- Self-supporting split roller set
- Central covering between the roller sets for the MBT 5000 series
- Plastic-coated roller surface
- Star-delta switching
- Lockable main switch
- RS 232 interface connector
- Corrosion protection: Powder coating

Multi-analogue display
Clear presentation on clearly readable dial instruments, combined with VARIODATA digital displays and (moving text) user interface.

With 5200 LON version:
Multi-analogue display analog display with two (CLASSIC) or four (4WD, COMPETENCE) index clocks. (Diameter 2 or 4 x 350 mm) and integrated switching and electrical cabinet.
Display option for brake tester, side slip tester and shock absorber tester. (3-digit) differential display for assessing braking force imbalance, shock absorber imbalance and side slip deviation.

With 5250 EUROSYSTEM version:
Communication desk or switch cabinet for tester control, lockable drawer for keyboard and computer mouse, storage compartment for writing accessories, etc. The monitor support is set up pursuant to the VESA standard. Measured value, differential display and graphics on a PC monitor (optional).

Not approved for §29 in Germany

DESIGN VERSIONS AND DELIVERY SCOPE

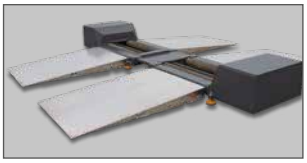
	MBT 5250 EUROSYSTEM
2- way Multi-analogue display	O
4- way Multi-analogue display	O
Preparation for weighing device	X
MCD 2000 communication desk	X
LON-Basic test software	–
EUROSYSTEM test software	X
Ramp set	O

The current price list gives details of other accessories.

X These are included in the delivery scope O Optionally available – Not available

MCD 2000 communication desk
Display and PC control unit with comfortable guided function and extensive databases for professional use.

Minimum height
The compact roller set design ensures trouble-free testing, even of vehicles that have limited ground clearance.



Mobile use
Electrical and mechanical plug connections mean that the tester is fully prepared for mobile use.

TECHNICAL DATA

DISPLAY/CONTROL	EUROSYSTEM
Display unit	PC monitor and/or radio touchscreen FTS 2018
Control	Fully automatic thanks to the MCD communication desk
Display area	0 – 40 kN
Display unit dimensions (H x D x W)	860 x 1230 x 350 mm (without printer compartment)
Weight	approx. 80 – 100 kg
Interface connector	Ethernet network

ROLLER SET	MBT 5000 SERIES
Authorized axle load (minimum height)	18 t
Drive power of motors	2 x 11 kW
Test speed	2.3 km/h
Electrical connection value/fuse protection	3 x 400 V 50 Hz / 63 A time-delay
Roller diameter	152 mm
Minimal/maximal scan	600 / 3000 mm
Roller length	1200 mm
Roller center distance	450 mm
Minimum height	170 mm
Bearing	watertight, maintenance-free
Corrosion protection	powder coating (optionally hot-dip galvanised)
Roller set half dimensions (H x D x W)	460 x 1200 x 2050 mm
Weight (2 parts)	approx. 1600 kg

OPTIONS	
Radio pressure transducer, pneumatic	0 – 20 bar
Radio pressure transducer, hydraulic	0 – 160 bar
Weighing device	0 – 20 t

* Option

MBT 6000 SERIES

Appropriate test equipment is required for testing the brakes of vehicles with large wheel dimensions and variable track widths. The MBT 6000 testers have been specially developed to meet these requirements and are characterized by their unique dimensions. They can be used for agricultural vehicles or special vehicles of any kind. MBT 6000 series testers offer (almost) limitless options. The display design can be either analog or a digital version with a PC.

Example illustration: MBT 6000 series

Description

- Automatic start-up monitoring
- Delayed automatic switch-on after entering the tester
- Automatic cutoff at selected slip with pointer stop and automatic restart
- Automatic switch-off after exiting the tester
- Single wheel switchover
- Electronic DMS measuring system
- DC brake (electric drive-off aid)
- Self-supporting split roller set
- Rear roller banked by 50 mm
- Welded roller surface (plastic coated on request)
- Star-delta switching
- Splash-proof motors
- TUV approved
- Lockable main switch
- RS 232 interface connector
- Corrosion protection: Powder coating

Multi-analogue display
Clear presentation on clearly readable dial instruments, combined with VARIODATA digital displays and (moving text) user interface.

With 6200 LON version:
Multi-analogue display with two analog index clocks (diameter 2 x 350 mm) and integrated switching and electrical cabinet. Display option for brake tester, side slip tester and shock absorber tester. (3-digit) differential display for assessing braking force imbalance, shock absorber imbalance and side slip deviation.

With 6250 EUROSYSTEM version:
Communication desk or switch cabinet for tester control, lockable drawer for keyboard and computer mouse, storage compartment for writing accessories, etc. The monitor support is set up pursuant to the VESA standard. Measured value, differential display and graphics on a PC monitor (optional).

DESIGN VERSIONS AND DELIVERY SCOPE

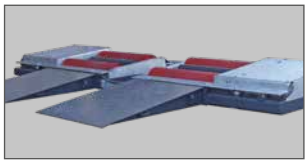
	MBT 6200 LON W CLASSIC	MBT 6250 EUROSYSTEM
2- way Multi-analogue display	X	O
Preparation for weighing device	X	X
MCD 2000 communication desk	O	X
LON-Basic test software	O	–
EUROSYSTEM test software	–	X
Ramp set	O	O

The current price list gives details of other accessories.

X These are included in the delivery scope O Optionally available – Not available

MCD 2000 communication desk
Display and PC control unit with comfortable guided function and extensive databases for professional use.

Roller set design
The adapted design ensures that wheel diameters of up to 2.2 m can be tested easily.



Flexible use
Installation can be either on the ground or in an existing foundation.

TECHNICAL DATA

DISPLAY/CONTROL	LON	EUROSYSTEM
Display unit	Multi-analogue display 2 x Ø 350 mm	PC monitor and/or radio touchscreen FTS 2018
Control	Integrated control circuit board	Fully automatic thanks to the MCD communication desk
Display area	0 – 40 kN	0 – 40 kN
Display unit dimensions (H x D x W)	910 x 870 x 300 mm	860 x 1230 x 350 mm (without printer compartment)
Weight	approx. 60 – 100 kg	approx. 100 – 120 kg
Interface connector	RS 232 for printer or PC	Ethernet network

ROLLER SET	MBT 6000 SERIES
Authorized axle load (minimum height)	18 t
Drive power of motors	2 x 11 kW
Test speed	3 km/h
Testable wheel diameter	800 – 2200 mm
Minimal/maximal scan	400 / 3600 mm
Roller length	1600 mm
Roller diameter	265 mm
Roller center distance	685 mm
Electrical connection value	3 x 400V/N/PE 50 Hz
Fuse protection	63 A time-delay
Bearing	watertight, maintenance-free
Corrosion protection	powder coating (optionally hot-dip galvanised)
Roller set half dimensions (H x D x W)	400 x 1350 x 2685 mm
Weight (2 parts)	approx. 2400 kg

OPTIONS	
Radio pressure transducer, pneumatic	0 – 20 bar
Radio pressure transducer, hydraulic	0 – 160 bar
Hydraulic weight simulator	0 – 10 t
Weighing device	0 – 20 t

* Option

MBT 7000 SERIES

Recommended by vehicle manufacturers and used by international testing organizations in continuous operation. MBT 7000 series testers are the world's most commonly used brake testers and are used for truck diagnostics in particular. The optimized roller set dimensions make these benches versatile for both truck and car testing. These test benches can be upgraded with many accessories and offer a wide range of diagnostics options, even when vehicle throughput is high. The display design can be either analog or a digital version with a PC and can be extended to include a test lane.

Example illustration: MBT 7250 EUROSYSTEM

Description

- Automatic start-up monitoring
- Delayed automatic switch-on after entering the tester
- Automatic cutoff at selected slip with pointer stop and automatic restart
- Automatic switch-off after exiting the tester
- Single wheel switchover
- Electronic DMS measuring system
- Self-supporting split roller set
- Rear roller banked by 50 mm
- Welded roller surface (plastic coated on request)
- Star-delta switching
- Splash-proof motors
- TUV approved
- Lockable main switch
- RS 232 interface connector
- Corrosion protection: Powder coating

With 7200 LON version:
Multi-analogue display analog display with two (CLASSIC) or four (4WD, COMPETENCE) index clocks. (Diameter 2 or 4 x 350 mm) and integrated switching and electrical cabinet. Display option for brake tester, side slip tester and shock absorber tester. (3-digit) differential display for assessing braking force imbalance, shock absorber imbalance and side slip deviation.

With 7250 and 7250 with optional 4WD regulation set:
Communication desk or switch cabinet for tester control, lockable drawer for keyboard and computer mouse, storage compartment for writing accessories, etc. The monitor support is set up pursuant to the VESA standard. Measured value, differential display and graphics on a PC monitor (optional).

DESIGN VERSIONS AND DELIVERY SCOPE

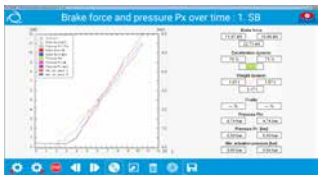
	MBT 7200 LON W CLASSIC	MBT 7200 LON W COMPETENCE	MBT 7250 EUROSYSTEM
2- way Multi-analogue display	X	–	O
4- way Multi-analogue display	–	X	O
Preparation for weighing device	X	X	X
MCD 2000 communication desk	O	O	X
LON-Basic test software	O	O	–
EUROSYSTEM test software	–	–	X
4WD regulation set	O	O	O

The current price list gives details of other accessories.

X These are included in the delivery scope O Optionally available – Not available

The input screen for vehicle and owner data can directly access the SQL database.

During the braking test, all relevant data is displayed clearly.



Clear presentation of brake values with graphical and digital analysis.

Predefined test sequences reduce the effort required to operate the equipment to a minimum.

TECHNICAL DATA

DISPLAY/CONTROL	LON	EUROSYSTEM
Display unit	Multi-analogue display 2 x Ø 350 mm (CLASSIC) or 4 x Ø 350 mm (COMPETENCE)	PC monitor and/or radio touchscreen FTS 2018
Control	Integrated control circuit board	Fully automatic thanks to the MCD communication desk
Display area	0 – 40 kN	0 – 40 kN
Display unit dimensions (H x D x W)	910 x 870 x 300 mm (CLASSIC) or 1060 x 870 x 300 mm (COMPETENCE)	860 x 1230 x 350 mm (without printer compartment)
Weight	approx. 60 – 100 kg	approx. 100 – 120 kg
Interface connector	RS 232 for printer or PC	Ethernet network

ROLLER SET	SERIE MBT 7000
Authorized axle load (minimum height)	18 t / 20 t*
Drive power of motors	2 x 11 kW / 16 kW*
Test speed	3 km/h (3 / 6 km/h)*
Roller length	1150 mm (1600 mm)*
Roller diameter	265 mm
Roller center distance	475 mm
Electrical connection value	3 x 400V/N/PE 50/60 Hz
Fuse protection	63 – 80 A time-delay
Bearing	watertight, maintenance-free
Corrosion protection	powder coating (optionally hot-dip galvanised)
Roller set dimensions (H x D x W)	700 x 1150 x 1450 mm
Weight (2 parts)	approx. 1700 kg

OPTIONS	
Radio pressure transducer, pneumatic	0 – 20 bar
Radio pressure transducer, hydraulic	0 – 160 bar
Hydraulic weight simulator	0 – 10 t
Weighing device	0 – 20 t

* Option

ACCESSORIES MATR IX

(excerpt)

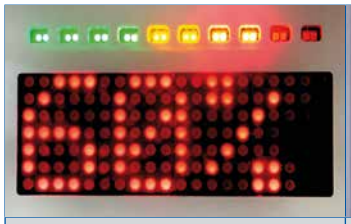
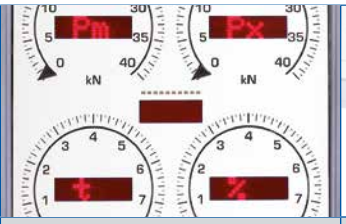
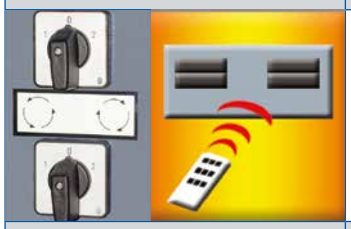
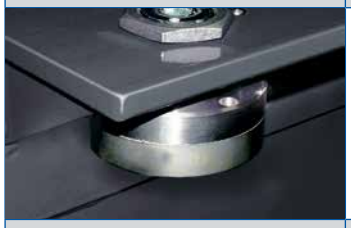
DESCRIPTION	ITEM NO.	MBT 3000 LON Series	MBT 3000 EUROSYSTEM Series	MBT 4000 LON Series	MBT 4000 EUROSYSTEM Series	MBT 5000 EUROSYSTEM Series	MBT 6000 LON Series	MBT 6000 EUROSYSTEM Series	MBT 7000 LON Series	MBT 7000 EUROSYSTEM Series
Additional package: "Brake tester directive 2011"	VZ 955278	O	O	O	O	–	O	O	O	O
Roller set is split for assembly in an installation pit	VZ 930040	O	O	X	X	X	X	X	X	X
Weighing device	see price list	O	O	O	O	O	O	O	O	O
Roller heating	see price list	O	O	O	O	–	O	O	O	O
Hydraulic weight simulator	see price list	O	O	O	O	–	O	O	O	O
Detachable roll cover	see price list	O	O	O	O	–	O	O	O	O
Lifting or lowering threshold	VZ 930041	O	O	–	–	–	–	–	–	–
Pit casing	VP 930057	O	O	–	–	–	–	–	–	–
Plastic-coated roller surface	VZ 935110	O	O	O	O	O	O	O	O	O
Level roller set design	see price list	X	X	O	O	–	–	–	O	O
Liftable roller set	see price list	–	–	O	O	–	–	–	O	O
Angle iron frame	see price list	–	–	O	O	–	O	O	O	O
Rotation and measurement direction can be (manually) switched	VZ 935132	O	O	O	O	O	O	O	O	O
Rotation and measurement direction can be (remotely) switched	VZ 935133	O	O	O	O	O	O	O	O	O
4WD detection and 4WD regulation set	see price list	O	O	O	O	O	O	O	O	O
Special voltage, 3 x 230 V/50 Hz, etc.	see price list	O	O	O	O	O	O	O	O	O
Stand for display cabinet	VZ 955257	O	–	O	–	–	O	–	O	–
Wall bracket	VZ 955256	O	–	O	–	–	O	–	O	–
MSA CLASSIC simultaneous display	VZ 950055	O	O	O	O	O	O	O	O	O
Differential display with 3-digit LED bar evaluation	VZ 955252	O	O*	X	O*	O*	X	O*	X	O*
VARIODATA display	VZ 955253	O	O*	O	O*	O*	O	O*	O	O*
LED moving text with user guidance	VZ 955254	O	O*	O	O*	O*	O	O*	O	O*
THERMOPRINT data printer	VZ 910152	O	–	O	–	–	O	–	O	–
RECO 1 radio remote control	VZ 910153	O	–	O	–	–	O	–	O	–
FFB 3 radio remote control	VZ 910154	O	O	O	O	O	O	O	O	O
Switch cabinet heating	VZ 955080	O	O	O	O	O	O	O	O	O
Starter set radio-controlled pressure converter	VZ 980035	O	O	O	O	O	O	O	O	O
Radio pressure transducer, pneumatic	VZ 980029	O	O	O	O	O	O	O	O	O
Radio pressure transducer, hydraulic	VZ 980028	O	O	O	O	O	O	O	O	O
Flash light with horn	VZ 955071	O	O	O	O	O	O	O	O	O
MCD printer tray	VZ 955273	–	O	–	O	O	–	O	–	O
MCD side shelf	VZ 955274	–	O	–	O	O	–	O	–	O
MCD external PC storage compartment	VZ 955277	–	O	–	O	O	–	O	–	O
Radio touchscreen FTS 2018	VZ 955295	–	O	–	O	O	–	O	–	O
DC brake (electric drive-off aid)	VZ 935113	O	O	O	O	O	O	O	O	O
Two test speeds	VZ 935077	–	–	O	O	–	–	–	O	O
Safety System for Roller Brake Tester positioned in Pit Centre, MODEL: GSQ II	VP 155009	O	O	O	O	O	O	O	O	O

* Only in combination with simultaneous display
The current price list gives details of other accessories.

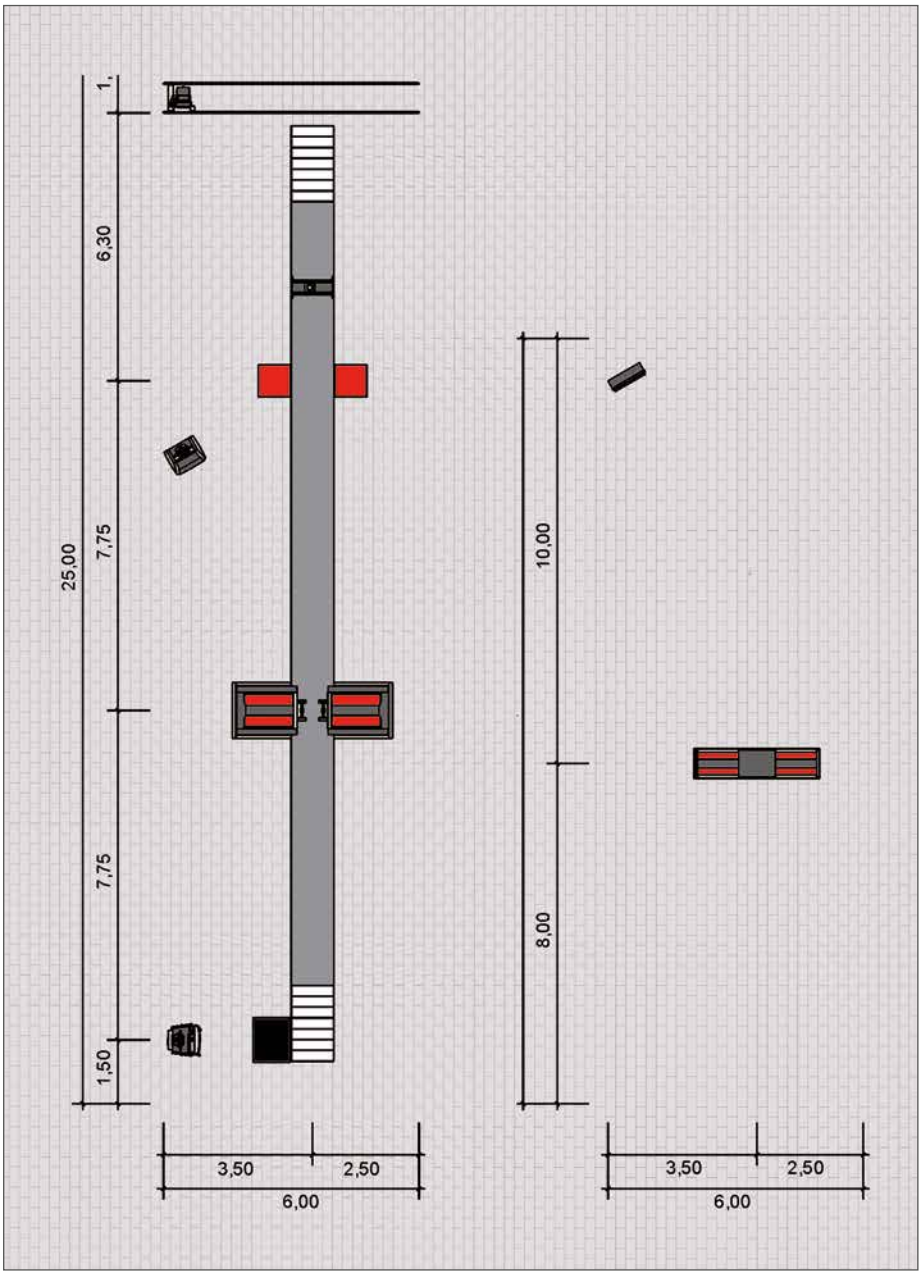
X These are included in the delivery scope
O Optionally available
– Not available

ACCESSORIES

(excerpt)

			
Digital/optical differential display (VZ 955252)	VARIODATA display (VZ 955253)	Wall bracket (VZ 955256)	Stand for display cabinet (VZ 955257)
Special voltage 3 x 230 V (see price list)	Starter set radio-controlled pressure converter (VZ 980035)	Radio pressure transducer, pneumatic (VZ 980029)	Radio pressure transducer hydraulic (VZ 980028)
FFB 3 radio remote control (VZ 910154)	RECO 1 radio remote control (VZ 910153)	Pedal force meter PFM 1000 (VP 990434)	Radio touchscreen FTS 2018 (VZ 955295)
			
Rotation and measurement direction (VZ 935072)	Working hour meter (VZ 955014)	Plastic coated roller surface (VZ 935110)	Hydraulic weight simulator (VZ 935033)
Liftable roller set (VZ 935169 / VZ 935170)	GSQ II pit support system (VZ 155009)	Two test speeds (VZ 935077)	Roller cover (VZ 935140 / VZ 935141)
			
Weighing device static/dynamic	Roller heating (VZ 935006)	Autom. license pl. recognition, network IP camera (VZ 955287)	Mounting frame (see price list)

PLANNING EXAMPLES FOR THE WORKSHOP



Solutions for load simulation

MLS 2100/2200 load simulator
2-way HD cylinder for fixed or moving (on rails) floor mounting.

Roller set lifting
Hydraulic roller set lifting for axle load displacement on the axle being tested.

Fastening clips
For fastening the belt to the vehicle frame.

Ground anchor
For holding the vehicle frame or the axle during lifting.

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