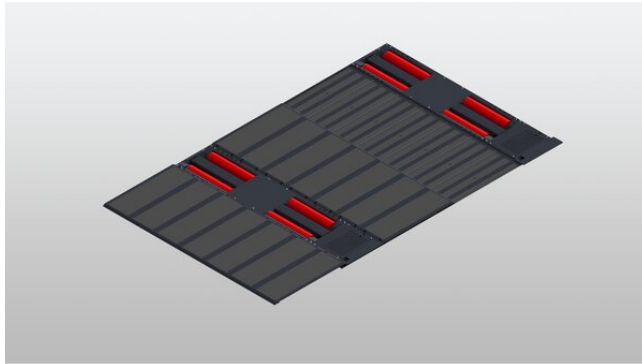


# PERFORMANCE MEASUREMENT TECHNOLOGY ASM

**ASM-BF/2 4WD**  
VP 230044



## ASM-BF/2 4WD VP 230044

The ASM-BF/2 4WD roller set is used in test centres and is suitable for vehicles with a single driven axle. It was designed for the exact measurement of the exhaust gas behaviour of vehicles during their transient emission test and permits a driving resistance simulation for the exhaust gas tests ASM-5015 and ASM-2525 (Acceleration Simulation Mode) in accordance with the specifications BAR '97. The ASM-BF/2 4WD is built into the base.

### PRODUCT DETAILS/ACCESSORIES

- Transient emission testing for accurate analysis and measurement of emissions for vehicles under load (in conjunction with MAHA emission testers)
- Driving resistance simulation for ASM-5015 and ASM-2525 emission tests (Acceleration Simulation Mode) in line with the BAR '97 specifications

#### Roller Set Description and Standard Delivery

- Communication Desk MCD 2000
- Separate panel for control of roller set adjustment
- Self-supporting closed roller set frame

#### \*2 pcs Roller set Model ASM-BF/1

- In-ground configuration, flush-floor installation of complete 4WD roller set, foundation necessary
- Pneumatic lifting bar
- Electric eddy-current brake with integrated flywheel
- AC-Motor including control and power electronics
- Foundation cover plate (traversable up to 3 t)
- Varnished with high-quality powder coating: Anthracite Grey, RAL 7016 (frame) Ruby Red, RAL 3003 (rollers)

Operating modes of the tester in conjunction with emissions analyser or external PC:

- Driving resistance simulation for ASM-5015 and ASM-2525

emission tests (Acceleration Simulation Mode) in line with the BAR '97 specifications

- Driving resistance simulation for transient emissions

testing in line with standard test cycles (note: vehicle

- inertia simulation in deceleration mode limited to 2000 lbs (900 kg)
- Determination and compensation of equipment's own losses ('Parasitic losses') according to BAR'97 specifications. Acceleration of the roller set with built-in AC-Motor to approx. 50 km/h with subsequent performance of roll-off tests ('coast-down')
- Performance measurement (wheel power) possible in the operation modes:
  - constant speed
  - constant tractive force
- Control of the tester via serial interface RS-232 (e.g. emissions analyser which meets 'BAR '97' specifications or an external PC)

Description Roller Set Adjusting Device:

- Hydraulic roller set adjustment with cover and sliding plates
- Test bench is not CE-compliant delivery to non-EU countries only

### TECHNICAL DATA

Axle load	2700 kg
Dimensions (L x W x H)	5660 x 3450 x 800 mm
Weight Roller Set	approx. 820 kg
Roller length per roll	850 mm
Min. track	740 mm
Max. track	2440 mm
Roller diameter	217 mm
Roller axle distance	444 mm
Displacement	1300 mm
Axle distance	2200 - 3500 mm

# PERFORMANCE MEASUREMENT TECHNOLOGY ASM

**ASM-BF/2 4WD**  
VP 230044



## TECHNICAL DATA

Mechanical inertia	900 kg (2000 lbs)
Power supply	230 V 50 Hz
Fuse	20 A, slow-blow
Compressed air for lifting bar	6 - 10 bar
Min. testable wheel diameter	450 mm
Max. test speed	160 km/h
Max. wheel power	50 kW
Max. tractive force	3000 N
Packaging dimensions (L x W x H)	3600 x 850 x 1000 mm
Weight including packaging	approx. 920 kg
min./max.	2200 / 3500 mm
Weight including packaging	approx. 1550 kg
Packaging dimensions (L x W x H)	4100 x 1650 x 1000 mm

## ACCESSORIES

VZ 975081	Side-Restraining Rollers (2 pcs.)	VZ 910091	A4 Ink jet colour printer (incl. printer cable) -NET PRICE-
VZ 935288	Lashing Straps with Floor Anchor	<b>SUPPLEMENTARY CHARGES</b>	
VZ 910167	USB/RS 232 Converter for Connection to PC/ Laptop w/o. RS 232 Interface -NET-	VT 998167	Transport Werkverkehr -SÜDASM Allrad
VZ 975897	Calibration Device ASM AF/BF	VT 998168	Transport Werkverkehr -NORDASM Allrad
VZ 955273	Printer Compartment for Communication Desk EUROSYSTEM MCD 2000	VM 995010	Assembly costs after expenditure of time by hour.
		VV 997554	Packaging charges for Adjusting device