

# BM74000 CHASSIS LOAD SIMULATION

- Applied to Chassis from Top-Down



- Load simulation applied from top-down onto the vehicle.
- Powered by electrical pallet truck.
- Easily moved around by one person.
- All operation takes place above ground.

# BM74000 Chassis Load Simulation

This unique load simulation system applies the load simulation from top-down onto the vehicle.

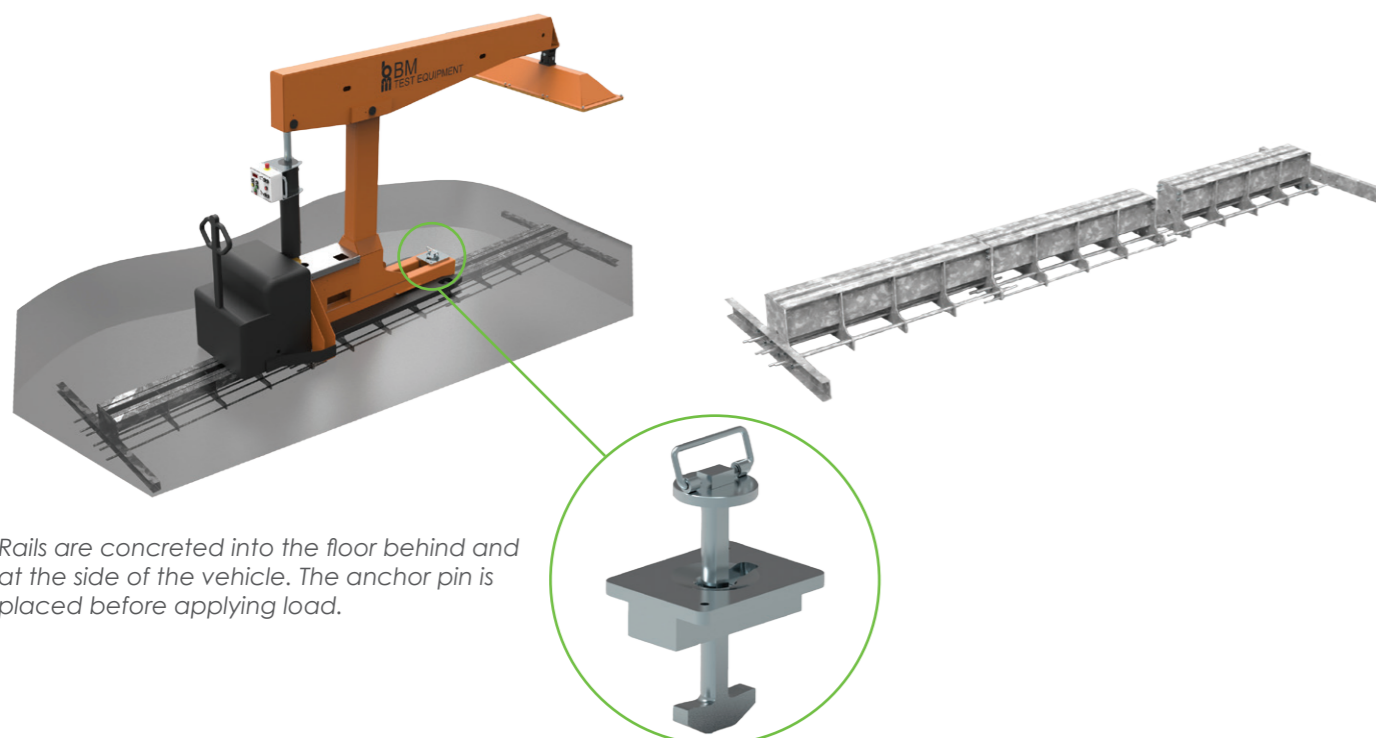
The system was developed for VOSA, Vehicle Operator Safety Administration, in Great Britain, and has been installed in more than 50 official vehicle inspection lanes in Scotland, England and Wales.

The BM74000 is powered by an electrical pallet truck and is therefore easily moved around by one person. The operator moves the load simulator to its position, which can be either behind or at the side of the vehicle.



BM74000 placed in position behind or from the side of the vehicle

The BM74000 is fixed to the floor via anchor pins, which are quickly placed into rails concreted into the floor:



Rails are concreted into the floor behind and at the side of the vehicle. The anchor pin is placed before applying load.

Load capacity is 10 T when the load is applied directly over the axle being tested. However, when the load platform is placed behind the axle(s) to be tested, the arm-length principle applies and the load can exceed 10 T.

The BM74000 is fully controlled from a control panel conveniently at the rear of the pallet truck. The operator just enters the load simulation

requested and presses START. Hereafter the computer system will automatically apply the load.

The system can be upgraded with WLAN communication with the brake tester and hereby controlling the applied load using the RBT weighing.



The control panel can be turned to ensure the best possible position while operating it.



The design of the load arm in combination with the legs maximizes the number of different types of vehicles which can be tested. The actual load platform is made rectangular and can be turned by hand to fit into - and onto - practically any vehicle with a suitable flat area e.g:

- Vehicles with an open flat bed.
- Tractors where load is applied to the fifth wheel.
- Closed box trucks and trailers where the load platform is moved inside through openings in the closed box.
- Semi-trailers.

## Key Features

- Load Sensing Valve/Function and suspension system of the vehicle is activated during test.
- Easily operated from control panel.
- Testing of multiple types of vehicles.
- Easily moved around by one person.

**- the safe choice**

## Technical Data

BM74000 DESCRIPTION	
Max load capacity (may be restricted to meet local regulations)	10000 kg
Height of load application unit	310 - 2110 mm
Length of movement of the load application unit	1800 mm
Weight	1800 mm
Hydraulic cylinder	Ø140 / Ø90 x 600 mm
Hydraulic pressure	0 - 200 bar
Height of arm	2248 mm
Width of load simulator	1110 mm
Length of load simulator (excl. pallet truck)	3400 mm
Voltage	24 VDC

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**BM**  
TEST EQUIPMENT

