

### BM53000 Play Detector

For Heavy and Light Vehicles

The BM53000 is a hydraulic wheel play detector for light and heavy vehicles, busses and coaches up to 20.000 kg axle load.

It consists of two strong steel plates - one for each wheel - which are installed into the floor. The plates are moved horizontally in 8 different directions by means of a remote control.

The remote control features both an integrated flash light functionality and a keypad to control each movement of the plates.

The operator can choose to control each movement manually, automatically in selected directions, or to activate a 10 cycle 'box movement' sequence. All automatic movements are stopped by pressing any key on the remote control unit.

The power unit is installed in the pit either at the end or inside a recess in the wall of the inspection pit. The BM53000 can also be used in conjunction with the BM20200 Mobile brake tester. The two units utilise the same set of drive on/off ramps and only the BM20200 Mobile brake tester needs to be connected to power.



#### Advantages and benefits

The BM53000 checks the steering and suspension system of the vehicle without need of jacking up the axle. The operator will be able to detect worn kingpin bushings, loose tie-rod ends, broken welds, loose fasteners and other failed components.

The remote control unit can be supplied with either cable or radio link to the control system. Selecting radio link has the advantage, that the operator is not restricted in his work and the option avoids expensive downtime due to cable damages.

### BM250 Play Detector

For Light Vehicles

The BM250 play detector is pneumatic operated equipment used for detecting play on vehicles up to 1000 kg wheel load.

The play detector features a play inspection using only one plate and thus no product related minimum and maximum wheel span is applied.

The pneumatic operated plate can be installed either on the left or right hand side of an inspection pit. A handheld integrated 24 VDC flashlight and control unit is used to move the plate in different directions, which enables the operator to detect play.

The control system of the BM250 is powered by 230 VAC and the required air pressure source shall be 1/4" air tube and a 10 bar air reservoir.



The control unit (flashlight) is used to move the plate in two different ways:

- Side ways
- Twisting

Movements allow for inspecting load-carrying links (inclusive McPherson type) with radial play. The feature allowing twist movements is used for inspection of steering system and even some types of non-carrying links of McPherson type.

