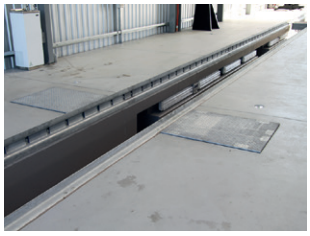
BM TEST EQUIPMENT
- the safe choice

BM53000 HYDRAULIC WHEEL PLAY DETECTOR

- for vehicles up to 20000 kg axle load

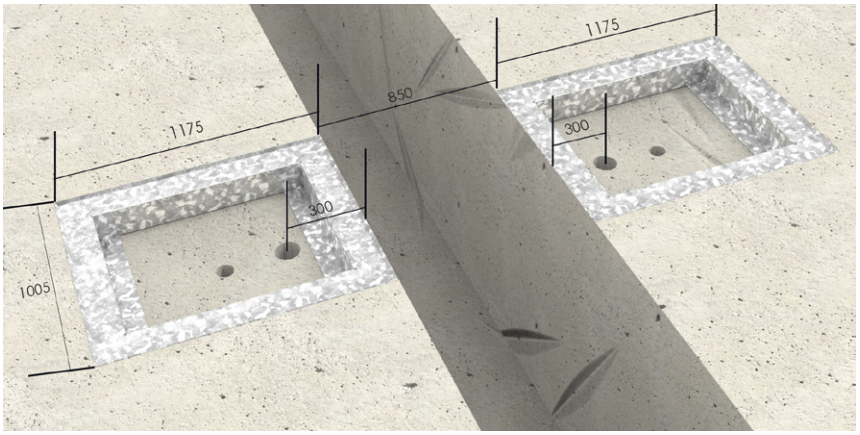


- The BM53000 wheel play detector consists of two strong steel plates – one for each wheel – which are installed into the floor. The plates are moved horizontally in 8 different directions by means of a remote control.
- The BM53000 checks the steering and suspension system of the vehicle without need 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 damage.
- The operator can choose to control each movement manually, automatically in selected directions, or to activate a 10 cycle 'box movement' sequence.
- The plate movement is 100 mm. Maximum pressure per direction is 30000 N with a working pressure of 180 bar and a test speed of minimum 30 mm/s with both plates moving and 60 mm/s with one plate moving. Optionally the BM53000 can be supplied with speed of 55 / 110 mm/s.
- The wheel play detector can be delivered as a mobile unit with ramps or 2 individual installation in-ground subframes mounted in connection with a working pit.

- the safe choice

TECHNICAL DATA

BM53000 DESCRIPTION		
Subframe per side	L x W x H	1005 x 1175 x 152 mm
Mobile - without ramps	L x W x H	3340 x 1085 x 152 mm
Mobile - with ramps	L x W x H	3340 x 3440 x 152 mm
Maximum test wheel load		10000 kg
Max. axle weight		20000 kg
Wheel plate (other options available)		1000 x 825 mm
Weight		580 kg
Wheel span (can be customised)		850 mm
Pit dimension per side	L x W x H	1005 x 1175 x 152 mm +5/-0
Plate movement		100 mm
Plate speed		30 / 60 mm/s 55 / 110 mm/s
Moving power per cylinder		30000 N
Working pressure		150 bar
Motor size		2,2 / 3 kW
Internal voltage		6 VDC
Remote control unit light		LED
Radio frequency		434 MHz
Power and fuses		3 x 400 Vac + N + PE +/- 6 % Minimum 10 Amp or powered from brake tester 2 x 230 Vac + N + PE Minimum 10 Amp or powered from brake tester



BM AUTOTEKNIK A/S
Erhvervsparken 7
9632 Møldrup
Danmark
Tel.: +45 8669 2022
www.bmtest.dk

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