

Axle alignment with laser measuring systems

The toe tolerances defined by BPW must be observed when aligning axles using laser measuring systems.

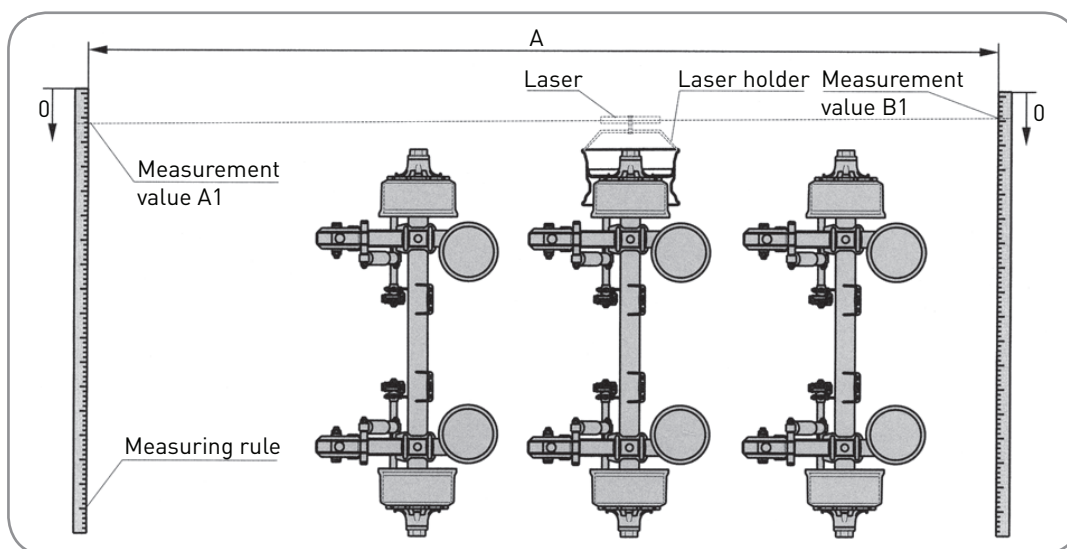
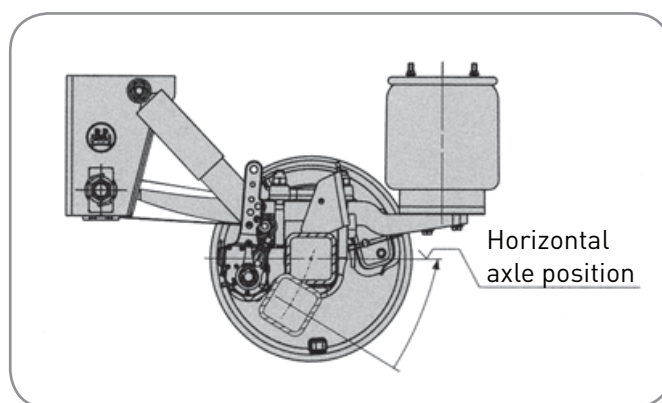
Optimum tyre life can only be guaranteed providing the tolerances are observed. The laser machine must be set up in accordance with the manufacturer's specifications.

For optimum toe measurement, the suspension must be set to ride height.

Calculating the toe values =
$$\frac{A1 - B1 \text{ (mm)}}{A(m)}$$

Positive value = Toe-in

Negative value = Toe-out



The measurement must be performed on both sides of the axle. The measurement values are then added together. The total of the values is the toe-in/toe-out value of the axle and must be within the permitted tolerance range.

The values apply to each of the axles installed in the vehicle. Please contact your vehicle manufacturer if the axles are misaligned and the toe tolerances are exceeded.

Up to production date 2004 per axle: 0 to 6 mm/m

After production date 2005 per axle: -1 to 5 mm/m

Victoria (Head office)

1-11 Cherry Lane,
Laverton North Vic 3026

Phone (03) 9267 2444

Fax (03) 9369 4826

New South Wales

10 Squill Place,
Arndell Park NSW 2148

Phone (02) 8811 7000

Fax (02) 8811 7050

Queensland

10 Bernoulli Street,
Darra Qld 4076

Phone (07) 3217 0877

Fax (07) 3217 0230

Western Australia

1021 Abernethy Road,
High Wycombe WA 6057

Phone (08) 9454 4000

Fax (08) 9454 4111

1300 651 652

info@bpwtranspec.com.au

bpwtranspec.com.au