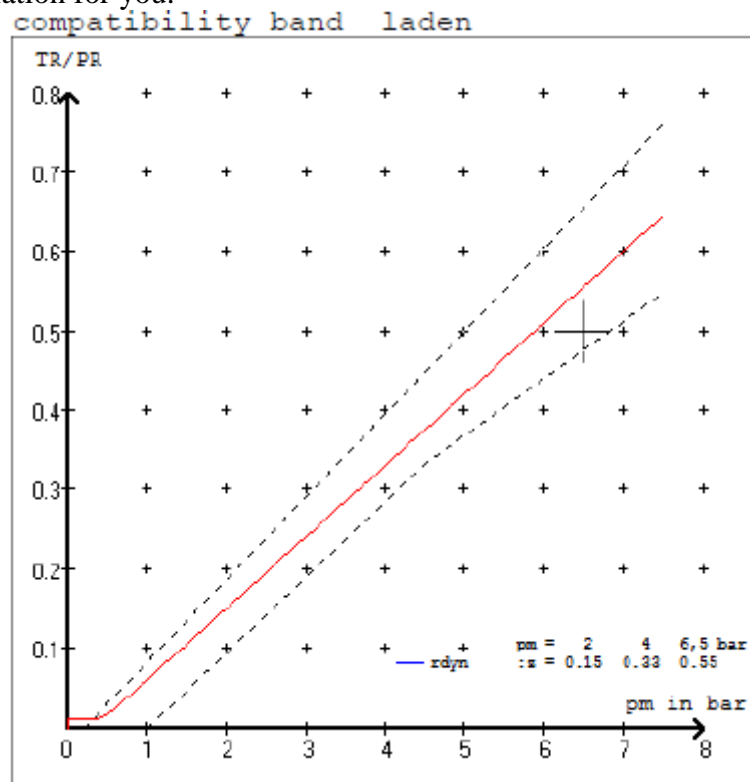


## My vehicle braking performance appears low what can be done?

There are several things which can cause the brake performance of a vehicle to be low, below are some of the possible causes.

### Brake Calculation

One of the most important things is to make sure there is a recent accurate brake calculation done on the vehicle. A brake calculation is used to work out the best brake chamber size and lever length for the characteristics of the vehicle. A brake calculation request form is available in the down load section of the Granning website and once completed Granning can do a brake calculation for you.

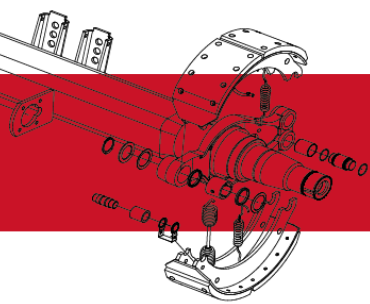


### Correct Information

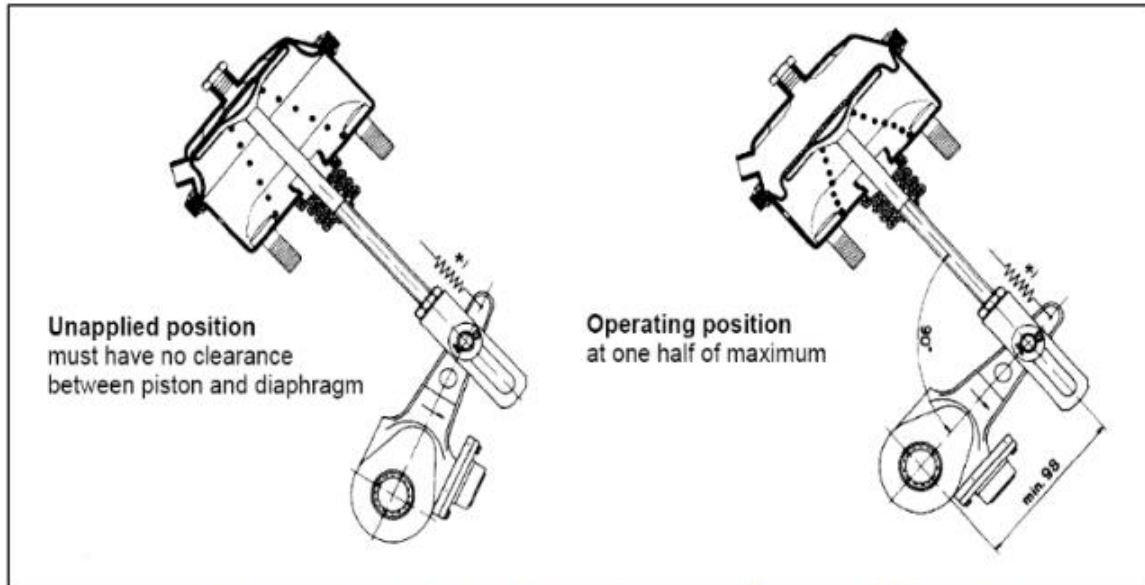
It is very important the vehicle information in the brake calculation matches the actual vehicle. If the axle weights are different, if the tyre size has changed or if the brake chamber size is different on the vehicle to the brake calculation report then the vehicle brake performance is not going to be correct.

### Slack adjuster and brake chamber

If manual slack adjusters are fitted to the vehicle then they must be adjusted and checked regularly. The brake chamber size and the slack adjuster lever length must match the values on the brake calculation. It is important that the push rod length on the brake chamber is the



correct length. If the length of the push rod is too long or too short then the braking power can be reduced.



**Slack adjuster and push rod at 90° when brake chamber at half stroke.**

### Other items to check

Connect a pressure test gauge to the furthest away brake chamber and check the air pressure getting to the brake chamber.

Check the pipe lengths going from the RE valve (or ABS/EBS) to the brake chambers are not excessively long and that they are roughly the same length.

Check all the brake chambers are firing when the brakes are applied.

If a Load Sensing Valve is fitted check that it has been set up correctly and check the output brake pressures when laden and unladen.

Check there are no kinked brake pipes or excess use of elbow fittings.

