

### Caution before applying brakes at opened wheel brake!

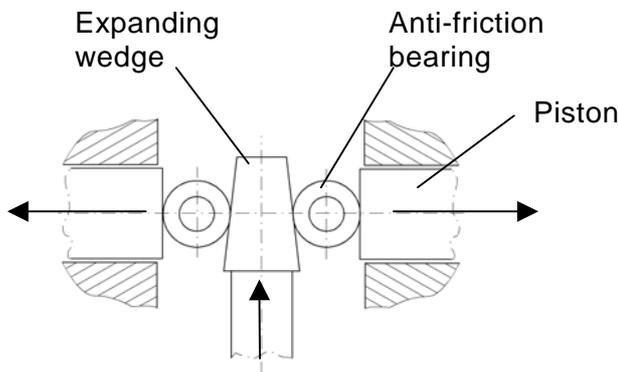
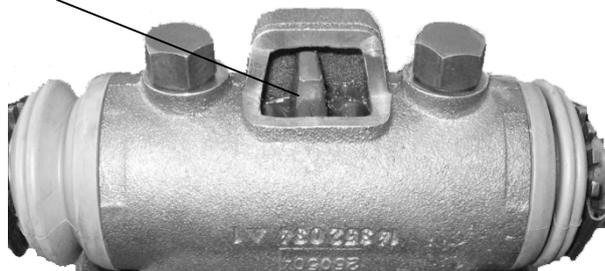
It should go without saying that there may be grave injuries when you apply the brake pedal while your colleague is working on the brakes. For instance your colleague may have his hand between the closing device and brake drum.

Therefore personnel at workshops should always affix a label onto the steering wheel indicating that repair work is in progress. There may not only be personal injuries, but actuating the brake often "disassembles" it. The actuating elements will slip from their guides with no brake drum or release spring being present and this will lead to the replacement of the actuating elements or an expensive repair.

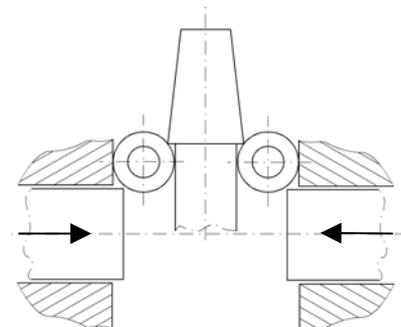
In the case described here, the affixed label was not noticed. Over the weekend, the expanding wedge device was actuated and without protection from the brake shoes and drum, & due to the pressure loss in the reservoir the spring brake cylinder was engaged. You can clearly see that the expanding wedge in the cross section shown below has come into the "unbraked" position. This will lead to having to disassemble the actuation device as it is the only way to release the part. As represented on the sketch, the anti-friction bearing bodies block the return of wedge.

In conclusion: Be cautious when applying the brakes and take note of the pressure in the reservoir! Only in this case will you gain safety by unscrewing the release screw.

Expanding wedge



Actuating cylinder



Anti-friction bearing and piston block in release direction

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