

Use of 22.5 x 15.00 wheel with 0 offset for 455/40 R 22.5 tyres.

The **22.5 x 15.00** wheel and corresponding low profile **455/40 R 22.5** tyre are used in particular in large-capacity semitrailers also known as megatrailers (see also BPW NEWS Allg. 05/05 e). These vehicles have an interior height of up to 3000 mm. To meet loading height requirements, 445/45 R 19.5 tyres with 19.5 x 14.00 wheels are generally used nowadays. However, the 22.5 x 15.00 wheel offers the opportunity to use axles with the **SB 4309** disc brake (brake disc diameter 430) and the **SN 4218** drum brake. Since **May 2005**, there has also been a 0 offset version of the wheel available for megatrailers in addition to the 120 offset version. Tests by Südrad on the aforementioned wheel have been completed positively, this means the wheel is authorised for series production deliveries. BPW's own in-house tests produced positive results both for the temperature characteristics and for clearance from brake calipers of the



BPW rigid axle with Südrad no. SR 4070 (ET 0 = 0 offset).

aforementioned brakes. The authorisation of the wheel is included in the brake certificate of the aforementioned brakes.

On the basis of the technical authorisation by Südrad and these test results, BPW has released the wheel with no. SR 4070 for use on 9 t ECOPlus axles with S-hub and SB 4309, SB 3745 and SN 4218. There is currently no release for the corresponding wheel from other manufacturers.

In addition to the clearance at the brake caliper, it is also necessary to ensure there is adequate clearance (min. 30 mm) from the adjacent suspension components such as trailing arm, air bag, etc.

In **contrast** to the situation with individual competitors, there is **no need for special axles or special versions** with BPW. It is possible to **change over existing axles** without problems, taking due consideration for clearance values from the adjacent components. Equally, in **contrast** to the competition, usage is also **possible on steered LL series axles**.