

Introducing the BPW TS2 Disc Brake System

BPW Transport Efficiency announces the introduction of the new **BPW TS2** disc brake system from **31/03/2021**



Product Advantages

Building on the current TSB Disc brake system the TS2 system offers several unique features to take the disc brake system into the future.

- Long service life thanks to the latest single-tappet technology and cathoretic dip-coating with zinc phosphating.
- **Minimum** operating costs thanks to the Offset Tappet Design (OTD)*
- Maximum reliability ensured by Multifunctional Adjuster (MFA)*
- Easier brake setting. Using only a 13mm spanner turn the rear mounted adjustment screw back a quarter turn (90°) and then apply the brakes ten times.
- A useful weight saving of up to 2kg per axle reduces unsprung weight with the attendant benefits.**

New Axle Description

The model description remains the same for TSB & TS2, it's only when you go into the full axle part number that we distinguish between the Caliper type designated by **.40** (TSB) and **.42** (TS2).

For example, 20.68.**40**.0286 (**.40** = TSB) becomes 20.68.**42**.0255 (**.42** = TS2)

Spare Parts Information

With reference to the component drawing (next page), the Caliper and various Repair Kit numbers are listed below: -

No.	Name	Part Code	Note	Qty
	BPW replacement brake caliper TS2 3709	09.362.72.20.0	brake caliper w/o brake pad 05.362.72.20.0 (type plate)	1
	BPW replacement brake caliper TS2 3709	09.362.72.21.0	brake caliper w/o brake pad 05.362.72.21.0 (type plate)	1
323	Repair kit guide pins TS2 item's 325 - 328, 335, 336, 345 - 348, 354, 356, 370, 373	09.801.08.69.0	for one axle side	1
324	Repair kit cylinder head screw + sealing cap TS2 item's 325, 335, 345, 370, 373	09.801.08.71.1	for one axle side	1
361	Repair kit bellow item 363	09.801.08.81.0	for one axle side	1
388	Repair kit brake pad TS2 3709 (BPW 8201) incl. item's 370, 389, 394, 396 - 398	09.801.08.72.0	for one axle side	1
393	Repair kit brake retaining clip TS2 item's 394 - 398	09.801.08.70.0	for one axle side	1

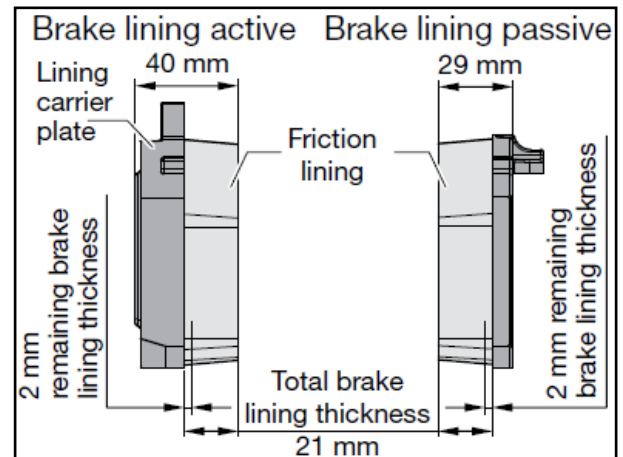
* Patent Pending

** Model and specification dependent - Please your local BPW Transport Efficiency representative for more details

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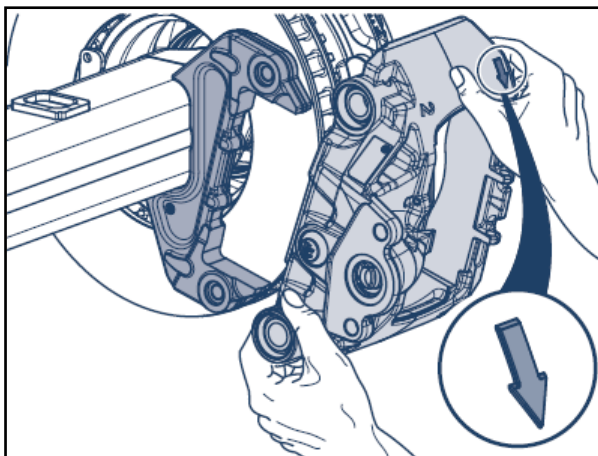
Technical Differences between TSB and TS2

- The inner brake pad (active lining) and the outer brake pad (passive lining) are now different. The inner pad has a thicker steel backing and must always be fitted in the inner position.
- Please visit - www.bpwtranspec.com.au/products/bpw-axes - to view a video on the new TS2 disc brake system.
- The old style TSB parts will still be available.
- **TS2 calipers are not to be fitted to TSB axle beams or vice versa.**



Installation Tips and SARN Numbers (Australia only)

- The use of the Offset Tappet Design means that the calipers are now directional. The arrow cast into the caliper shows the direction that the disc must turn when the vehicle is moving forwards.
- The new TS2 disc brake system is registered under new SARN numbers:
 The brake size for 8 stud 275 PCD 19.5" wheel combinations is model TS2 3709 SARN **50229** which replaces TSB3709 SARN 25677.
 The brake size for 10 stud 285 and 335 22.5" wheel combinations is model TS2 4309 SARN **50230** which replaces TSB 4309 SARN 31666.
- Always tighten the mounting bolt in the fixed bearing (longer mounting bolt - **1** in the picture) first and then the floating bearing (shorter mounting bolt - **2** in the picture) second. **150Nm + 180° rotation angle** - or otherwise **260Nm**



Tool Kits

To service / repair the TS2 caliper you will require a supplemental kit to the existing TSB Tool Kit. The supplemental kit part number is - **09.801.08.82.0**

New / Updated Documents

With the launch of the new TS2 disc brake system **BPW Transport Efficiency** has also updated its relevant documents.

All the repair / service details are included in the new version of our **Operator's Manual** - dated 10/2020 and spare parts details are also included in the new **Spare Parts Catalogue** - both of which are available for download from - <https://bpwte.co.nz/products/bpw-products/bpw-trailer-axes> or contact your local **BPW Transport Efficiency** representative.