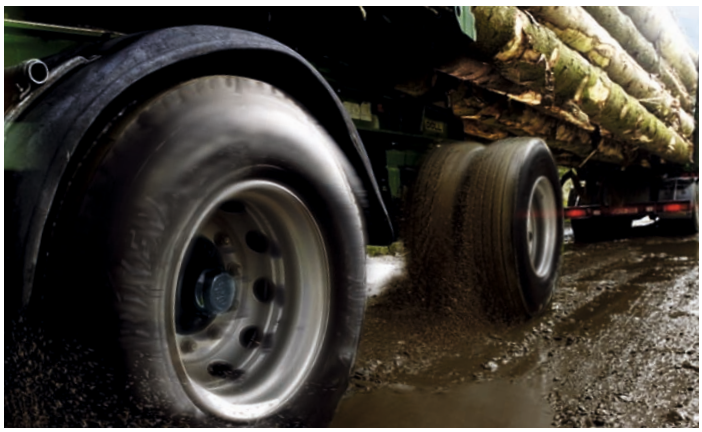
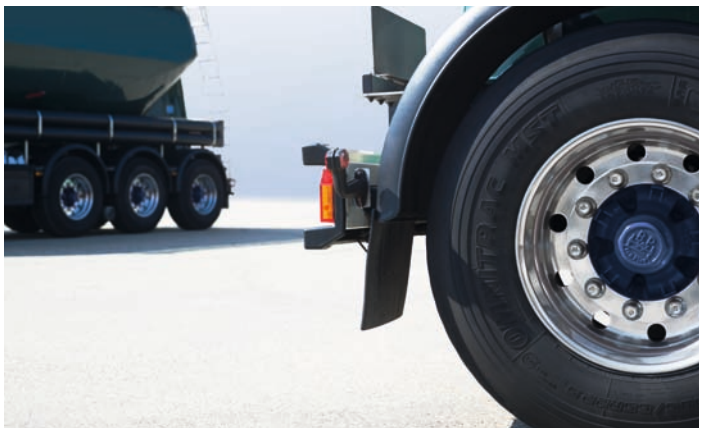
The right brake for every application.
With us, you will find the optimum solution.

The choice of the right brake is decisively dependent on its operating conditions. BPW offers you the right braking system for every application and every requirement. However, if a brake is not used as it should be, it can very soon be overloaded or not used sufficiently. Profit from our expertise when it comes to brakes. In consultation with BPW, you will find the optimum combination of performance, weight, wear characteristics and ease of servicing for your special requirements.



Soaks up punishment: Running gear with BPW drum brakes



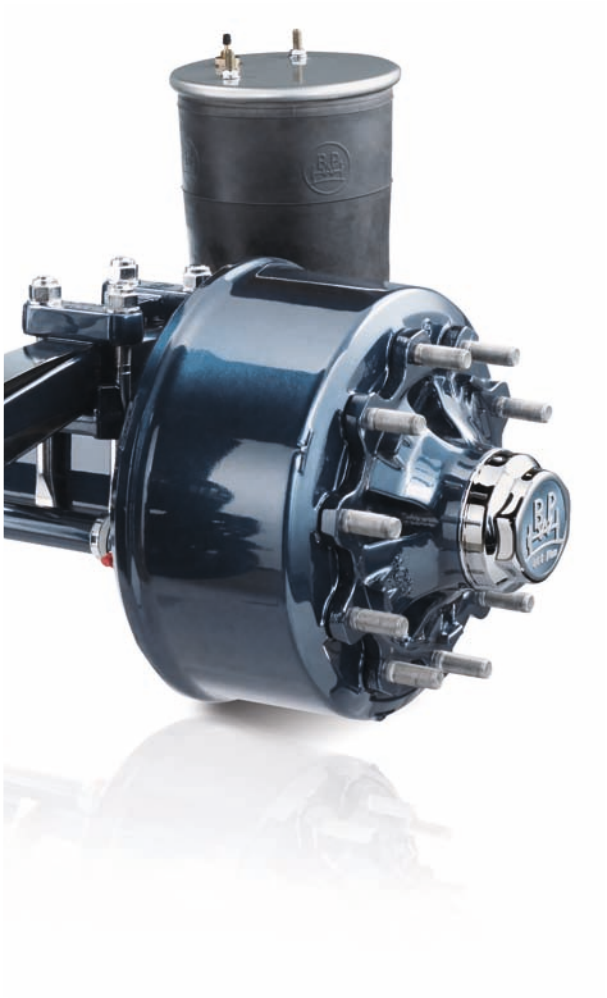
Efficiency in long-distance transport: Running gear with BPW disc brakes

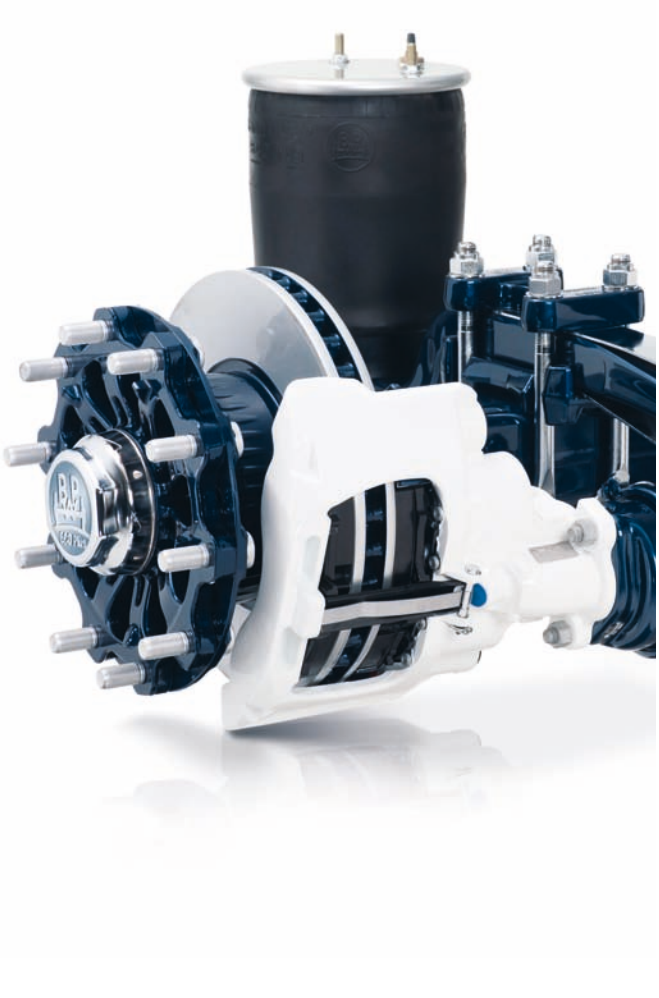
BPW recommended applications for the most common brake versions

Axle load	Wheel size	Brake	Predominant application conditions					
			Normal haulage work (e.g. long-distance transport in Europe)	High proportion of hilly roads	Regional distribution haulage	Vehicle fleet with frequently changing tractor/ trailer combinations	Construction site and forestry vehicles which go off consolidated roads	Use outside Europe on consolidated roads
9 t - 10 t	19.5" (22.5")*	TSB 3709	•					
9 t - 14 t	19.5"	SN 3620	•	•	•	•	•	•
9 t - 10 t	22.5"	TSB 4309	•	•	•	•		•
9 t	20" and 22.5"	SN 4218	•	•	•	•	•	•
11 t - 12 t	22.5"	TSB 4312	•	•	•	•		•
9 t - 20 t	20" and 22.5"	SN 4220	•	•	•	•	•	•

Explanations:
SN 4218: S-cam brake, drum Ø 420 mm, brake lining width 180 mm
TSB 4309: Disc brake, disc Ø 430 mm, standard axle load 9 t

* With 9 t axle load.





! Further BPW recommendations and notes

- **Strengths of disc brakes:**
  - very good brake force modulation
  - low fading
  - high braking comfort (rapid response times)
  - low weight
- **Strengths of drum brakes:**
  - robust technology
  - low susceptibility to dirt because of enclosed design
  - low heat transfer to the adjacent components (e.g. bearings, tyres)
  - rapid brake service thanks to BPW's ECO principle
  - good integration into the vehicle (space)
- **Disc brakes for ET 0 wheels offer the advantage of lower system weight in comparison to ET 120 (including the wheels). Wider track and spring centres are possible with 120 offset – only one spare wheel is needed for the towing vehicle and trailer, depending on the version**
- **Brake matching between the tractor unit and the trailer is essential to ensure optimum performance and a longer brake service life**
- **In general, disc brakes offer excellent braking performance. If trailers and semitrailers are towed by tractor vehicles which**
  - do not have a secondary braking system (retarder, intarder, engine brake, etc.) and/or
  - are equipped with a trailer parking brake valve (anti-jackknife brake)
  - then the brake pad wear can be expected to be disproportionately greater than on a comparable drum brake!