TRANSPEC
ENGINEERED TO LAST

# Agriculture
## Equipment

# Contents

*BPW Transpec head office (Melbourne)*

# Agriculture Equipment

## BPW Transpec

**For nearly 60 years, BPW Transpec has strived to exceed our customers' expectations by providing the highest quality trailer equipment for the road transport, mining and agricultural industries.**

A wholly-owned subsidiary of BPW in Germany, BPW Transpec combines in-depth knowledge of the challenging operating conditions in Australia with European engineering standards.

With our head office and manufacturing facility in Melbourne, branches in Brisbane, Sydney and Perth, and with a workforce of 125 nationally, BPW Transpec is committed to offering the highest levels of service and support. Similarly, its subsidiary in New Zealand, BPW Transport Efficiency is equally well-equipped to provide full support to its customers.

## BPW (Bergische Patentachsenfabrik Wiehl)

Since 1898, this family-owned company has been producing the finest in German-designed trailer axles, suspension systems and genuine parts. BPW knows good running gear is more than just the sum of its parts. All components must work together seamlessly to achieve superior performance, and with its extensive range, there will always be a suitable product solution for its customers.

## BPW Running Gear for Agricultural Machinery

From 1995 BPW has produced running gear in Europe for agricultural equipment. Our extensive product range and ability to customise to suit different technical requirements provides our customers with many options for different applications. We work closely with our customers and their engineering departments to understand their needs. For example, because the static axle and suspension load depends on the track/spring centre ratio and the tyres which are being used, this information is requested from the customer prior to making a recommendation as to the best product.

With 26 engineers whose task is to ensure further development of the existing running gear and to develop new customer-oriented solutions for the agricultural sector, our customers can be assured of the highest quality and technical standards.

## BPW's Unique Features

Giving our customers the best in stability and reliability, BPW offers unique special features, including:

- square axle beams
- flash-butt-welded axle stubs
- cataphoretic dip-coating with zinc-phosphating (LTKZN) and
- field-tested bearings combined with a special seal for unbraked axles in Australia.

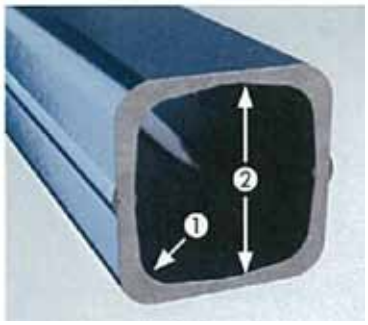
## Square Axle Beams

BPW's square axle beams have proven themselves in millions of applications. In combination with our brakes and suspension systems, the square axle beam provides a stable basis for long vehicle life. Along with the well-tried solid axle beams, BPW has also been manufacturing hollow axle beams for decades.

BPW's square hollow axle beam consists of two specially rolled, high-quality half axle tubes (U-profiles), which are welded together both internally and externally. The special feature of the BPW standard axle tube is its profile shape. More material at the corner radii (1) and less material in the upper and lower areas (2) ensure the maximum service life of this shape.

As a result, axle cross sections are reinforced at the points where the load is applied and are optimally shaped to cope with the load. BPW axle tubes are available with various axle cross-sections and wall thicknesses to suit individual axle loads and operating conditions.

*Solid axle beam*




*Hollow axle beam*

## Flash-butt-welding

In the flash-butt-welding process, the axle tube and the ends of the axle stubs are heated up to welding temperature by an electric current applied at their joining faces, whilst at the same time being forged together. This produces a homogenous connection without notch effect. In contrast to the conventional welding processes, no filter metals are needed. At the same time, the axle beam is given its camber and toe-in, and then the appropriate brake components are welded onto the BPW axle beams.

*Axle stubs and tubes are flash-butt-welded.*




## Coating

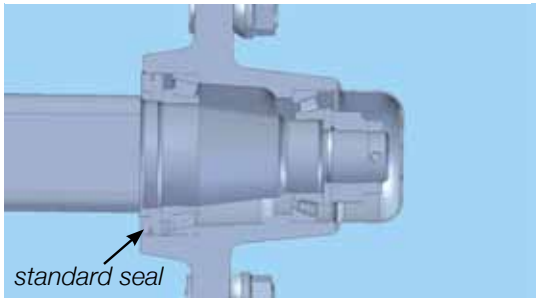
Cataphoretic dip-coating with zinc-phosphating is a special surface finish that provides five times more corrosion protection than conventional painting processes. This coating is important for agricultural applications because of the more frequent use of a range of corrosive substances.

## Bearings and Special Australian Seal

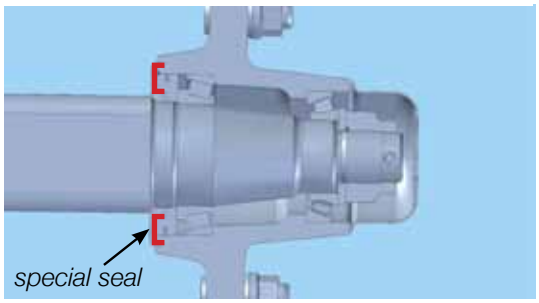
BPW's bearings are rigorously and extensively tested in-field to determine the optimal combination of axle beam and bearing. BPW's commitment to the correct bearings is unparalleled. For the challenging Australian operating environment, a special seal has been developed for unbraked axles to best protect the bearings against dust.

| Axle Type | Bearing Sizes |
|---|---|
| GS 4006 | 32207-30210 |
| GS 5506, GS 5508 | 32207-32013x |
| GS 7006, GS 7008 | 30210-32014x |
| GS 8008-3, GS 8010-3 | 32213-32215 |
| GS 11008-1, GS 11010-1 | 32310A-33116 |
| GS 12010 | 33213-33118 |
| GS 14010 | 32215-33219 |

*Standard seal*




*Special seal*



## BPW Product Range

Our product range includes:

- BPW Stub Axles and Rigid Axles
- BPW Steering Axles
- BPW Walking Beam Suspension
- BPW Tandem Axle Suspension
- BPW Parabolic Spring Suspension
- BPW Air Suspension
- BPW Hydro-Pneumatic Suspension and
- BPW Accessories.

If you require specifications that are not listed in the catalogue, we can customise a product to suit your requirements.*

## BPW Stub Axles

BPW stub axles have the same features as BPW axles, but offer greater flexibility for complex applications such as work machines or trailers with wider tracks.

## BPW Rigid Axles

With a variety of permissible axle loads and different wheel brakes designed for individual applications, BPW offers an extensive range of braked and unbraked axles. They are provided as standard with camber to reduce tyre wear. Additionally, BPW trailed axles with hollow axle beam are provided with a toe-in to further improve their driving behaviour. Engineered for high static loads and provided with special brake camshaft bearings, BPW braked axles give you more confidence. The brake camshaft seat, as well as all brake cylinder brackets are designed to take into consideration special trailer requirements.

* Please refer to the options on the enquiry form in this brochure.

## BPW Steering Axles

The BPW single cylinder steering axles GSLA/GSLL are both designed for self-steered and positively steered trailers.

The axle beam and axle stub are connected via steering pivot with wave-like thrust bearings. When driving straight (zero position), the wave-like thrust washers hold the wheels on the track. The vehicle pushes the wave contours of the upper and lower thrust washer against each other with its weight. The wheels remain in the correct and stable straight position. When the trailer follows the tractor into a curve, the wheel castor ensures the wheels turn in accordance with the curve radius (thrust washers side over one another).

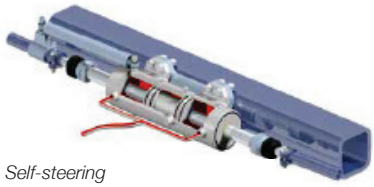
The steering axle ensures the suspension is steered better into the curve and almost follows the tractor's circular path. The generated lateral tyre forces are optimally distributed over all axles.

BPW's steering axle GSL is a purely positive steering axle. The advantage of a GSL axle is the reduction in steering forces. In addition, this axle allows larger steering angles due to its special design.

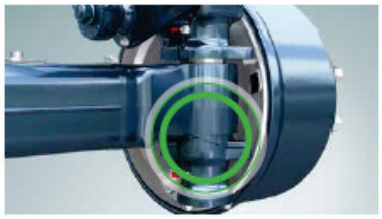
### Functional principle of BPW combi cylinders

*Positive steering (straight-ahead driving)*

*Positive steering (steering to the left)*



*Self-steering*
*(steering axle is locked for driving backwards 40 km/h)*



*Steering housing when driving straight ahead (zero position)*

*Steering housing when cornering*
*(up to 27 degrees, depending on vehicle model)*

## BPW Walking Beam Suspension

BPW walking beam suspensions are well-known for a high level of equalisation on both sides. In addition, they ensure an even ride height in different loading conditions and are suitable for off-road and on-road applications.

## BPW Tandem Axle Suspension

The BPW tandem axle suspension can be universally used for many trailer types. Due to the large equalisation between the axles of approximately 300 millimetres it is highly suitable for off-road application. At the same time, this suspension unit has excellent spring characteristics for on-road applications.

## BPW Parabolic Spring Suspension

The BPW parabolic spring suspension is a running gear with mechanical suspension for on-road and easy off-road application. Due to the one-track mechanical system adopted from the tried and tested BPW air suspension, the running gear can now be installed more easily and can be used as a single, tandem or triaxle suspension.

## BPW Air Suspension

Due to the large spring deflection and the high level of equalisation between the axles, BPW air suspension units guarantee a comfortable ride both on- and off-road. The BPW air suspension contributes to the protection of the frame, superstructure and load. In order to realise different ride heights it is available with either an over- or under-slung spring.

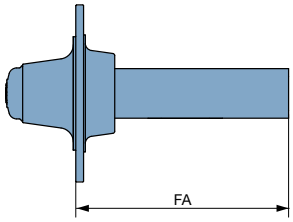
## BPW Hydro-Pneumatic Suspension

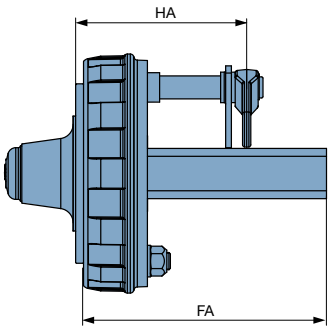
BPW's hydro-pneumatic suspension is suitable running gear for trailers when roll stability, increased safety and comfort is required. They are notable for a high degree of equalisation (approx. 270 mm) between the axles, which ensures an even axle load distribution. For trailers with a high centre of gravity, this is crucial to ensure increased safety when driving conditions are challenging.

## BPW Accessories

BPW's range of accessories include the BPW trailer coupling type K 80 and the ECO air tank, as well as spare parts and special tools.

# BPW Stub Axles with Solid and Hollow Axle Beam

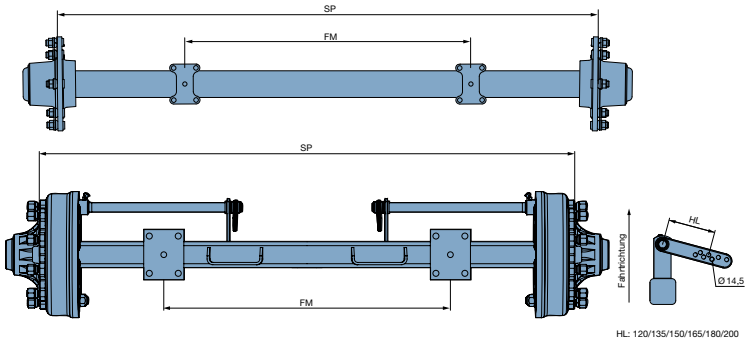



| Axle cross-section (mm) | Axle type | Wheel brake | Flanch clearance FA (mm) | Slack Adjuster clearance HA (mm) | Wheel connection | Static axle load (kg) | | | | | | BPW code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 25 km/h | | | 40 km/h | | | |
| | | | | | | | | | | | | |
| **Rigid unbraked stub axles** | | | | | | | | | | | | |
| 60 | GS-ST 4006 | – | 300 | – | 6/205/160 M18 x 1.5 | 4,500 | 3,800 | – | 4,200 | 3,500 | – | 58.56.001.999 |
| 70 | GS-ST 5506 | – | 300 | – | 6/205/160 M18 x 1.5 | 7,000 | 6,000 | 5,500 | 6,500 | 5,500 | 5,000 | 58.63.001.999 |
| 80 | GS-ST 7008 | – | 350 | – | 8/220/275 M20 x 1.5 | 9,000 | 7,500 | 7,000 | 8,000 | 7,000 | 6,500 | 58.67.001.999 |
| 90 | GS-ST 8008-3 | – | 350 | – | 8/220/275 M20 x 1.5 | 11,000 | 9,500 | 8,500 | 10,000 | 8,500 | 8,000 | 58.70.001.999 |
| 90 | GS-ST 80010-3 | – | 350 | – | 10/335/280 M22 x 1.5 | 11,000 | 9,500 | 8,500 | 10,000 | 8,500 | 8,000 | 58.70.001.998 |
| 120 x 15 | GS-ST 11010-1 | – | 735 | – | 10/335/280 M22 x 1.5 | 13,500 | 12,500 | 11,000 | 12,500 | 11,500 | 10,000 | 58.88.001. 998-999 |
| 150 x 10 | GS-ST 12010 | – | 785 | – | 10/335/280 M22 x 1.5 | 15,000 | 15,000 | 14,000 | 15,000 | 15,000 | 13,000 | 58.72.001. 998-999 |
| 150 x 16 | GS-ST 12010 | – | 785 | – | 10/335/280 M22 x 1.5 | 15,000 | 15,000 | 14,000 | 15,000 | 15,000 | 13,000 | 58.72.001. 996-997 |
| 150 x 20 | GS-ST 14010 | – | 785 | – | 10/335/280 M22 x 1.5 | 17,000 | 17,000 | 16,000 | 17,000 | 16,000 | 15,000 | 58.74.001. 998-999 |
| **Rigid braked stub axles** | | | | | | | | | | | | |
| 60 | GS-ST 4006 | N3006 | 350 | 238 | 6/205/160 M18 x 1.5 | 4,500 | 3,800 | – | 4,200 | 3,500 | – | 58.56.443.600 |
| 70 | GS-ST 5506 | N3006 | 350 | 238 | 6/205/160 M18 x 1.5 | 7,000 | 6,000 | 5,500 | 6,500 | 5,500 | 5,000 | 58.63.443.600 |
| 80 | GS-ST 7008 | N3108 | 350 | 238 | 8/220/275 M20 x 1.5 | 9,000 | 7,500 | 7,000 | 8,000 | 7,000 | 6,500 | 58.67.454.601 |
| 90 | GS-ST 8008-1 | N3108 | 350 | 238 | 8/220/275 M20 x 1.5 | 11,000 | 9,500 | 8,500 | 10,000 | 8,500 | 8,000 | 58.70.454.600 |
| 120 x 15 | GS-ST 11010-1 | FL 4112 | 735 | 358 | 10/335/280 M22 x 1.5 | 13,500 | 12,500 | 11,000 | 12,500 | 11,500 | 10,000 | 58.88.460. 115-116 |
| 150 x 10 | GS-ST 12010 | FL 4118 | 785 | 388 | 10/335/280 M22 x 1.5 | 15,000 | 15,000 | 14,000 | 15,000 | 15,000 | 13,000 | 58.72.449. 604-605 |
| 150 x 16 | GS-ST 12010 | FL 4118 | 785 | 475 | 10/335/280 M22 x 1.5 | 15,000 | 15,000 | 14,000 | 15,000 | 15,000 | 13,000 | 58.72.449. 142-143 |
| 150 x 20 | GS-ST 14010 | FL 4118 | 785 | 475 | 10/335/280 M22 x 1.5 | 17,000 | 17,000 | 16,000 | 17,000 | 16,000 | 15,000 | 58.74.449. 000-001 |

*Spring seats or cylinder brackets available on request*

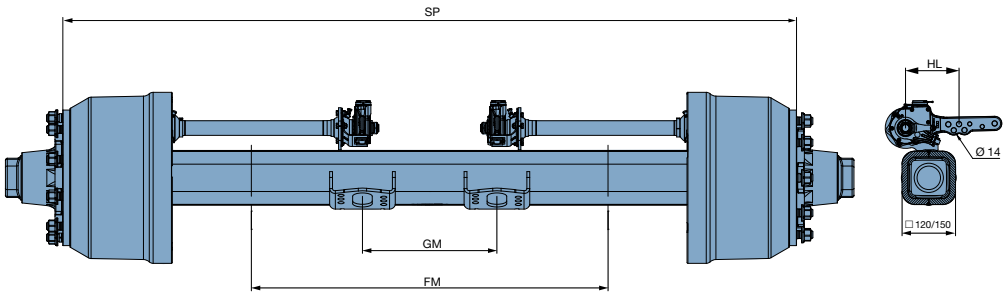
# BPW Axles with Solid and Hollow Axle Beam




| Axle cross-section (mm) | Axle type | Wheel brake | Track width SP (mm) | Air cylinder bracket centre GM (mm) | Wheel connection | Static axle load (kg) | | | | | | BPW code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 25 km/h | | | 40 km/h | | | |
| | | | | | | | | | | | | |
| **Rigid unbraked axles** | | | | | | | | | | | | |
| 60 | GS 4006 | – | 1,600 | – | 6/205/160 M18 x 1.5 | 4,500 | 3,800 | – | 4,100 | 3,500 | – | 55.56.001.998 |
| 60 | GS 4006 | – | 1,800 | – | 6/205/160 M18 x 1.5 | 4,500 | 3,800 | – | 4,100 | 3,500 | – | 55.56.001.997 |
| 60 | GS 4006 | – | 2,000 | – | 6/205/160 M18 x 1.5 | 4,500 | 3,800 | – | 4,100 | 3,500 | – | 55.56.001.996 |
| 70 | GS 5506 | – | 1,650 | – | 6/205/160 M18 x 1.5 | 7,000 | 6,000 | 5,500 | 6,500 | 5,500 | 5,000 | 55.63.001.999 |
| 70 | GS 5506 | – | 1,800 | – | 6/205/160 M18 x 1.5 | 7,000 | 6,000 | 5,500 | 6,500 | 5,500 | 5,000 | 55.63.001.998 |
| 80 | GS 7006 | – | 1,800 | – | 6/205/160 M18 x 1.5 | 9,000 | 7,500 | 7,000 | 8,000 | 7,000 | 6,500 | 55.67.001.029 |
| 80 | GS 7008 | – | 1,850 | – | 8/220/275 M20 x 1.5 | 9,000 | 7,500 | 7,000 | 8,000 | 7,000 | 6,500 | 55.67.001.999 |
| 80 | GS 7008 | – | 2,050 | – | 8/275/220 M20 x 1.5 | 9,000 | 7,500 | 7,000 | 8,000 | 7,000 | 6,500 | 55.67.001.998 |
| 80 | GS 7008 | – | 2,180 | – | 8/275/220 M20 x 1.5 | 9,000 | 7,500 | 7,000 | 8,000 | 7,000 | 6,500 | 55.67.001.997 |
| 90 | GS 8008 | – | 1,950 | – | 8/275/220 M20 x 1.5 | 11,000 | 9,500 | 8,500 | 10,000 | 8,500 | 8,000 | 55.70.001.999 |
| 90 | GS 8008 | – | 2,300 | – | 8/275/220 M18 x 1.5 | 11,000 | 9,500 | 8,500 | 10,000 | 8,500 | 8,000 | 55.70.001.997 |
| 90 | GS 8008 | – | 2,050 | – | 8/275/220 M20 x 1.5 | 11,000 | 9,500 | 8,500 | 10,000 | 8,500 | 8,000 | 55.70.001.998 |
| 100 | GS 11010 | – | 1,950 | – | 10/335/280 M22 x 1.5 | 14,000 | 12,500 | 11,000 | 13,000 | 11,500 | 10,000 | 55.88.001.104 |
| 100 | GS 11010 | – | 2,100 | – | 10/335/280 M22 x 1.5 | 14,000 | 12,500 | 11,000 | 13,000 | 11,500 | 10,000 | 55.88.001.103 |
| 120 x 10 | GS 11010 | – | 1,950 | – | 10/335/280 M22 x 1.5 | 14,000 | 12,500 | 11,000 | 13,000 | 11,500 | 10,000 | 55.88.001.998 |
| 120 x 10 | GS 11010 | – | 2,050 | – | 10/335/280 M22 x 1.5 | 14,000 | 12,500 | 11,000 | 13,000 | 11,500 | 10,000 | 55.88.001.999 |
| 150 x 10 | GS 12010 | – | 1,900 | – | 10/335/280 M22 x 1.5 | 15,000 | 15,000 | 14,000 | 15,000 | 15,000 | 13,000 | 55.72.001.998 |
| 150 x 10 | GS 12010 | – | 2,050 | – | 10/335/280 M22 x 1.5 | 15,000 | 15,000 | 14,000 | 15,000 | 15,000 | 13,000 | 55.72.001.999 |
| 150 x 16 | GS 14010 | – | 2,950 | – | 10/335/280 M22 x 1.5 | 17,000 | 17,000 | 16,000 | 17,000 | 16,000 | 15,000 | 55.74.001.999 |
| **Rigid braked axles with brake lever** | | | | | | | | | | | | |
| 60 | GS 4006 | N-3006 | 1,500 | – | 6/205/160 M18 x 1.5 | 4,500 | 3,800 | – | 4,100 | 3,500 | – | 55.56.443.601 |
| 60 | GS 4006 | N-3006 | 1,800 | 676 | 6/205/160 M18 x 1.5 | 4,500 | 3,800 | – | 4,100 | 3,500 | – | 55.56.443.608 |
| 60 | GS 4006 | N-3006 | 2,000 | – | 6/205/160 M18 x 1.5 | 4,500 | 3,800 | – | 4,100 | 3,500 | – | 55.56.443.546 |
| 70 | GS 5506 | N-3006 | 1,650 | 522 | 6/205/160 M18 x 1.5 | 7,000 | 6,000 | 5,500 | 6,500 | 5,500 | 5,000 | 55.63.443.610 |
| 70 | GS 5506 | N-3006 | 1,800 | 672 | 6/205/160 M18 x 1.5 | 7,000 | 6,000 | 5,500 | 6,500 | 5,500 | 5,000 | 55.63.443.611 |
| 80 | GS 7008 | N-3108 | 1,850 | 650 | 8/275/220 M20 x 1.5 | 9,000 | 7,500 | 7,000 | 8,000 | 7,000 | 6,500 | 55.67.454.600 |
| 80 | GS 7008 | N-3108 | 2,050 | 850 | 8/275/220 M20 x 1.5 | 9,000 | 7,500 | 7,000 | 8,000 | 7,000 | 6,500 | 55.67.454.609 |
| 90 | GS 8008 | N-3108 | 1,950 | 750 | 8/275/220 M20 x 1.5 | 11,000 | 9,500 | 8,500 | 10,000 | 8,500 | 8,000 | 55.70.454.604 |
| 90 | GS 8008 | N-3108 | 2,050 | 850 | 8/275/220 M20 x 1.5 | 11,000 | 9,500 | 8,500 | 10,000 | 8,500 | 8,000 | 55.70.454.608 |

*Spring seats or cylinder brackets available on request*

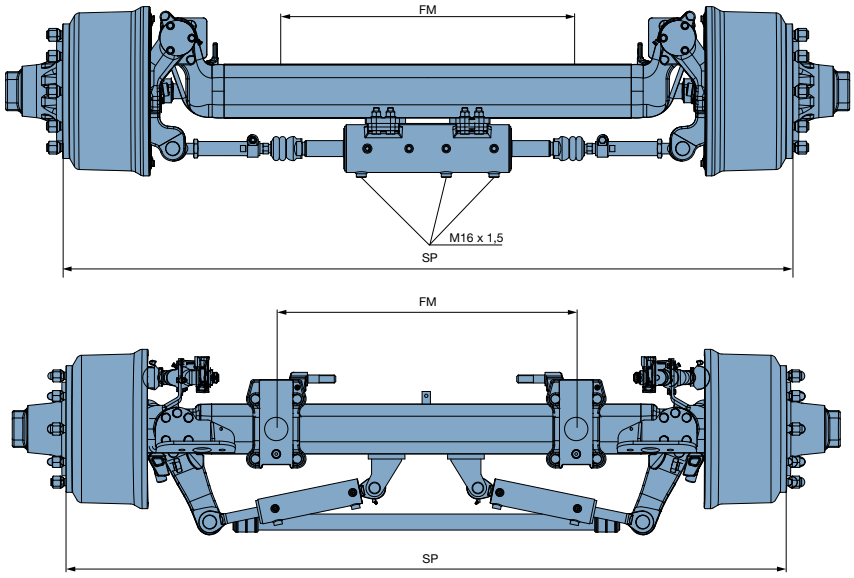
# BPW Axles with Hollow Axle Beam




| Axle cross-section (mm) | Axle type | Wheel brake | Track width SP (mm) | Air cylinder bracket centre GM (mm) | Wheel connection | Static axle load (kg) | | | | | | BPW code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 25 km/h | | | 40 km/h | | | |
| | | | | | | | | | | | | |
| **Rigid braked axles, with air cylinder brackets and manual slack adjuster** | | | | | | | | | | | | |
| 120 x 15 | GS 11010-1 | FL4112 | 1,950 | 463 | 10/335/280 M22 x 1.5 | 14,000 | 12,500 | 11,000 | 12,500 | 11,500 | 10,000 | 55.88.460.629 |
| 120 x 15 | GS 11010-1 | FL4112 | 2,050 | 563 | 10/335/280 M22 x 1.5 | 14,000 | 12,500 | 11,000 | 12,500 | 11,500 | 10,000 | 55.88.460.650 |
| 120 x 15 | GS 11010-1 | FL4112 | 2,150 | 663 | 10/335/280 M22 x 1.5 | 14,000 | 12,500 | 11,000 | 12,500 | 11,500 | 10,000 | 55.88.460.641 |
| 120 x 15 | GS 11010-1 | FL4112 | 2,225 | 408 | 10/335/280 M22 x 1.5 | 14,000 | 12,500 | 11,000 | 12,500 | 11,500 | 10,000 | 55.88.460.057 |
| 120 x 15 | GS 11010-1 | FL4112 | 2,950 | 1,193 | 10/335/280 M22 x 1.5 | 14,000 | 12,500 | 11,000 | 12,500 | 11,500 | 10,000 | 55.88.460.811 |
| 150 x 16 | GS 12010 | FL4118 | 1,950 | 405 | 10/335/280 M22 x 1.5 | 15,000 | 15,000 | 14,000 | 15,000 | 15,000 | 13,000 | 55.72.449.633 |
| 150 x 16 | GS 12010 | FL4118 | 2,050 | 505 | 10/335/280 M22 x 1.5 | 15,000 | 15,000 | 14,000 | 15,000 | 15,000 | 13,000 | 55.72.449.622 |
| 150 x 16 | GS 12010 | FL4118 | 2,150 | 605 | 10/335/280 M22 x 1.5 | 15,000 | 15,000 | 14,000 | 15,000 | 15,000 | 13,000 | 55.72.449.621 |
| 150 x 16 | GS 12010 | FL4118 | 2,225 | 680 | 10/335/280 M22 x 1.5 | 15,000 | 15,000 | 14,000 | 15,000 | 15,000 | 13,000 | 55.72.449.625 |
| 150 x 16 | GS 12010 | FL4118 | 2,950 | 1,135 | 10/335/280 M22 x 1.5 | 15,000 | 15,000 | 14,000 | 15,000 | 15,000 | 13,000 | 55.72.449.330 |
| 150 x 16 | GS 14010 | FL4118 | 2,150 | 405 | 10/335/280 M22 x 1.5 | 17,000 | 17,000 | 16,000 | 17,000 | 16,000 | 15,000 | 55.74.449.608 |
| 150 x 16 | GS 14010 | FL4118 | 2,950 | 1,135 | 10/335/280 M22 x 1.5 | 17,000 | 17,000 | 16,000 | 17,000 | 16,000 | 15,000 | 55.74.449.013 |

*Spring seats available on request*

# BPW Steering Axles with Hollow Axle Beam

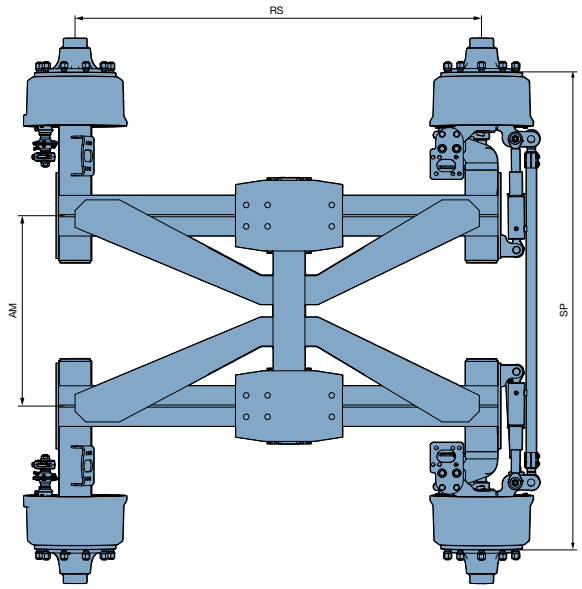



| Axle cross-section (mm) | Axle type | Wheel brake | Track width SP (mm) | Wheel connection | Axle load | | BPW code | BPW code for front axle on tri-axle |
|---|---|---|---|---|---|---|---|---|
| | | | | | 25 km/h | 40 km/h | | |
| **Braked single cylinder steering axles** | | | | | | | | |
| 120 x 15 | GSLA 11010 | FL4112 | 1,950 | 10/335/280 M22 x 1.5 | 12,000 | 10,500 | 36.88.460.900 | – |
| 120 x 15 | GSLA 11010 | FL4112 | 2,050 | 10/335/280 M22 x 1.5 | 12,000 | 10,500 | 36.88.460.804 | – |
| 120 x 15 | GSLA 11010 | FL4112 | 2,150 | 10/335/280 M22 x 1.5 | 12,000 | 10,500 | 36.88.460.904 | – |
| 120 x 15 | GSLA 11010 | FL4112 | 2,225 | 10/335/280 M22 x 1.5 | 12,000 | 10,500 | 36.88.460.905 | – |
| 150 x 16 | GS(H)LL 12010 | FL4118 | 1,950 | 10/335/280 M22 x 1.5 | 12,000 | 12,000 | 26.72.449.710 | – |
| 150 x 16 | GS(H)LL 12010 | FL4118 | 2,050 | 10/335/280 M22 x 1.5 | 12,000 | 12,000 | 26.72.449.617 | – |
| 150 x 16 | GS(H)LL 12010 | FL4118 | 2,150 | 10/335/280 M22 x 1.5 | 12,000 | 12,000 | 26.72.449.737 | – |
| 150 x 16 | GS(H)LL 12010 | FL4118 | 2,225 | 10/335/280 M22 x 1.5 | 12,000 | 12,000 | 26.72.449.742 | – |
| 150 x 16 | GS(H)LL 14010 | FL4118 | 1,950 | 10/335/280 M22 x 1.5 | 16,000 | 15,000 | 36.74.449.600 | – |
| 150 x 16 | GS(H)LL 14010 | FL4118 | 2,050 | 10/335/280 M22 x 1.5 | 16,000 | 15,000 | 36.74.449.604 | – |
| 150 x 16 | GS(H)LL 14010 | FL4118 | 2,150 | 10/335/280 M22 x 1.5 | 16,000 | 15,000 | 36.74.449.608 | – |
| 150 x 16 | GS(H)LL 14010 | FL4118 | 2,950 | 10/335/280 M22 x 1.5 | 16,000 | 15,000 | 36.74.449.008 | – |
| **Braked steering axles for positive steering** | | | | | | | | |
| 120 x 15 | GSL 11010 | FL4112 | 1,950 | 10/335/280 M22 x 1.5 | 12,000 | 10,500 | 36.88.460.906 | 36.88.460.907 |
| 120 x 15 | GSL 11010 | FL4112 | 2,050 | 10/335/280 M22 x 1.5 | 12,000 | 10,500 | 36.88.460.528 | 36.88.460.911 |
| 120 x 15 | GSL 11010 | FL4112 | 2,150 | 10/335/280 M22 x 1.5 | 12,000 | 10,500 | 36.88.460.914 | 36.88.460.915 |
| 120 x 15 | GSL 11010 | FL4112 | 2,225 | 10/335/280 M22 x 1.5 | 12,000 | 10,500 | 36.88.460.916 | 36.88.460.917 |
| 150 x 16 | GSL 12010 | FL4118 | 2,050 | 10/335/280 M22 x 1.5 | 12,000 | 12,000 | 36.72.449.589 | 26.72.449.930 |
| 150 x 16 | GSL 12010 | FL4118 | 2,150 | 10/335/280 M22 x 1.5 | 12,000 | 12,000 | 26.72.449.586 | 26.72.449.587 |
| 150 x 16 | GSL 12010 | FL4118 | 2,225 | 10/335/280 M22 x 1.5 | 12,000 | 12,000 | 26.72.449.588 | 26.72.449.589 |

*Spring seats or cylinder brackets available on request*

*Optional 13t steering axles with cast steel steering available*

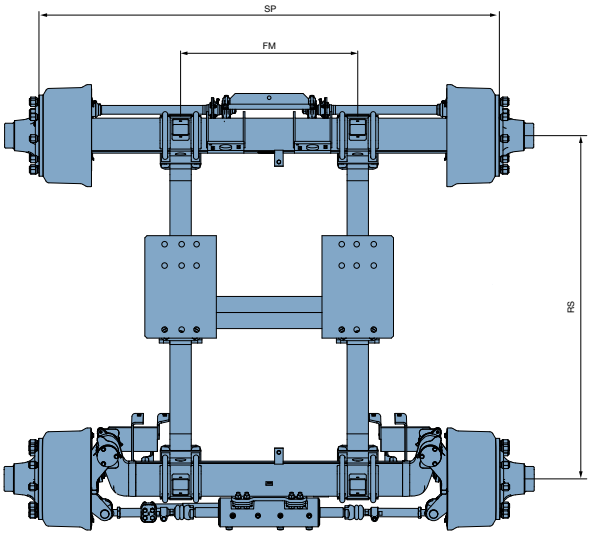
# BPW Walking Beam Suspension

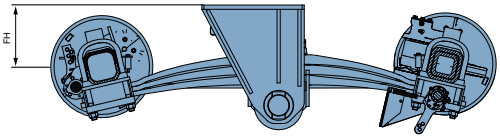



| Axle cross-section (mm) | Suspension type | Wheel brake | Track width SP (mm) | Support centre AM (mm) | Ride height FH (mm) | Wheel base RS (mm) | Wheel connection | Suspension load (kg) | | BPW code (rigid axle) | Rigid/ steered |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 25 km/h | 40 km/h | | |
| **Braked walking beam suspension (rigid and steered)** | | | | | | | | | | | |
| 100 | GSSTP 8008 | N-4008 | 2,050 | 1,100 | 280 | 1,350 | 8/275/220 M20 x 1.5 | 14,000 | 14,000 | 56.70.06.0601 | rigid |
| 100/120 x 15 | GSSTP 8008 | N-4008 | 2,050 | 1,100 | 280 | 1,350 | 8/275/220 M20 x 1.5 | 14,000 | 14,000 | 56.70.06.0603 | steered |
| 120 x 15 | GSSTP 11010 | FL4112 | 2,050 | 930 | 280 | 1,300 | 10/335/280 M22 x 1.5 | 20,000 | 20,000 | 56.88.06.0033 | rigid |
| 120 x 15 | GSSTPLS 11010 | FL4112 | 2,050 | 930 | 280 | 1,300 | 10/335/280 M22 x 1.5 | 20,000 | 20,000 | 56.88.06.0036 | steered |
| 120 x 15 | GSSTP 11010 | FL4112 | 2,225 | 890 | 280 | 1,550 | 10/335/280 M22 x 1.5 | 20,000 | 20,000 | 56.88.06.0604 | rigid |
| 120 x 15 | GSSTPLS 11010 | FL4112 | 2,225 | 890 | 280 | 1,550 | 10/335/280 M22 x 1.5 | 20,000 | 20,000 | 56.88.06.0039 | steered |
| 150 x 16 | GSSTPLS 12010 | FL4118 | 2,050 | 900 | 280 | 1,900 | 10/335/280 M22 x 1.5 | 26,000 | 26,000 | 56.72.06.0607 | steered |
| 150 x 16 | GSSTPLS 12010 | FL4118 | 2,225 | 890 | 280 | 1,900 | 10/335/280 M22 x 1.5 | 26,000 | 26,000 | 56.72.06.0609 | steered |
| **Unbraked walking beam suspension (steered)** | | | | | | | | | | | |
| 120 x 15 | GSSTPLS 12010 | – | 2,250 | 1,100 | 285 | 1,800 | 10/335/280 M22 x 1.5 | 22,000 | 22,000 | 56.72.06.0052 | with steering cylinder |
| 150 x 16 | GSSTPLS 12010 | – | 3,000 | 1,700 | 273 | 1,900 | 10/335/280 M22 x 1.5 | 26,000 | 24,000 | 56.72.06.0022 | steered |

*Models listed above also available with/without brake on request*

# BPW Tandem Axle Suspension




## Rigid braked tandem axle suspension

| Axle cross-section (mm) | Suspension type | Wheel brake | Track width SP (mm) | Wheel base RS (mm) | | | Ride height FH (mm) | | Wheel connection | Static axle load (kg) | | BPW code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1,450 | 1,600 | 1,900 | underslung spring | overslung spring | | 25 km/h | 40 km/h | |
| 100 | GSBW 8008 | N-4008 | 1,950 | – | x | – | 245 | 454 | 8/275/220 M20 x 1.5 | 15,000 | 14,000 | 56.70.05.0605<br>56.70.05.0604 |
| 100 | GSBW 8008 | N-4008 | 2,150 | – | x | – | 245 | 454 | 8/275/220 M20 x 1.5 | 15,000 | 14,000 | 56.70.05.0607<br>56.70.05.0606 |
| 120 x 15 | GSBW 11010 | FL 4112 | 1,950 | on request | x | x | 260 | 454 | 10/335/280 M22 x 1.5 | 21,000 | 20,000 | 56.88.05.0604<br>56.88.05.0603 |
| 120 x 15 | GSBW 11010 | FL 4112 | 2,225 | on request | x | x | 260 | 454 | 10/335/280 M22 x 1.5 | 21,000 | 20,000 | 56.88.05.0606<br>56.88.05.0605 |
| 150 x 16 | GSBW 12010 | FL 4118 | 2,050 | – | x | x | 351 | 487 | 10/335/280 M22 x 1.5 | 25,000 | 24,000 | 56.72.05.0431<br>56.72.05.0356 |
| 150 x 16 | GSBW 12010 | FL 4118 | 2,225 | – | x | x | 351 | 487 | 10/335/280 M22 x 1.5 | 25,000 | 24,000 | 56.72.05.0605<br>56.72.05.0604 |

## Braked tandem axle suspension with single cylinder steering axle

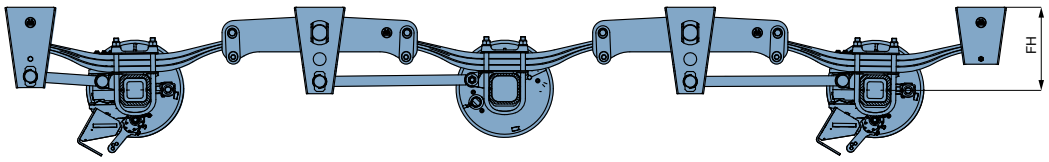
| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FA 100/ RA 120 x 15 | GSBWLA 8008 | N-4008 | 1,950 | – | x | – | 245 | 454 | 8/275/220 M20 x 1.5 | 15,000 | 14,000 | 56.70.05.0609<br>56.70.05.0608 |
| FA 100/ RA 120 x 15 | GSBWLA 8008 | N-4008 | 2,150 | – | x | – | 245 | 454 | 8/275/220 M20 x 1.5 | 15,000 | 14,000 | 56.70.05.0611<br>56.70.05.0610 |

*FA = Front axle / RA = Rear axle*

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 120 x 15 | GSBWLA 11010 | FL 4112 | 1,950 | on request | x | x | 260 | 454 | 10/335/280 M22 x 1.5 | 21,000 | 20,000 | 56.88.05.0608<br>56.88.05.0607 |
| 120 x 15 | GSBWLA 11010 | FL 4112 | 2,225 | on request | x | x | 260 | 454 | 10/335/280 M22 x 1.5 | 21,000 | 20,000 | 56.88.05.0610<br>56.88.05.0609 |
| 150 x 16 | GS(H)BWLL 12010 | FL 4118 | 2,050 | – | x | x | 323 | 496 | 10/335/280 M22 x 1.5 | 26,000 | 26,000 | 56.72.05.0601<br>56.72.05.0600 |
| 150 x 16 | GS(H)BWLL 12010 | FL 4118 | 2,225 | – | x | x | 323 | 496 | 10/335/280 M22 x 1.5 | 26,000 | 26,000 | 56.72.05.0607<br>56.72.05.0606 |

*Models listed above also available without brake on request*

# BPW Parabolic Spring Suspension




| Axle cross-section (mm) | Suspension type | Wheel brake | Track width SP (mm) | Wheel base RS (mm) | | | | Wheel connection | Static axle load (kg) at 25 km/h | | | BPW code* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1,360 | 1,380 | 1,600 | 1,820 | | | | | |
| **Rigid braked parabolic spring suspension** | | | | | | | | | | | | |
| 100 | GSVB 8008 | N-4008 | 1,850 | x | – | – | – | 8/275/220 M20 x 1.5 | 8,000 | 16,000 | – | 56.70.04.---- |
| 100 | GSVB 8008 | N-4008 | 2,050 | x | – | – | – | 8/275/220 M20 x 1.5 | 8,000 | 16,000 | – | 56.70.04.---- |
| 120 x 15 | GSVB 11010 | FL4112 | 1,950 | x | x | x | x | 10/335/280 M20 x 1.5 | 9,000 | 18,000 | 27,000 | 56.88.04.---- |
| 120 x 15 | GSVB 11010 | FL4112 | 2,150 | x | x | x | x | 10/335/280 M20 x 1.5 | 9,000 | 18,000 | 27,000 | 56.88.04.---- |
| 150 x 16 | GSVB 12010 | FL 4118 | 2,050 | x | – | x | x | 10/335/280 M20 x 1.5 | 12,000 | 24,000 | 36,000 | 56.72.04.---- |
| 150 x 16 | GSVB 12010 | FL 4118 | 2,225 | x | – | x | x | 10/335/280 M20 x 1.5 | 12,000 | 24,000 | 36,000 | 56.72.04.---- |
| **Braked and unbraked parabolic spring suspensions with steering axles** | | | | | | | | | | | | |
| FA 100 / RA 120 x 15 | GSVBLA 8008 | N-4008 | 1,850 | x | – | – | – | 8/275/220 M20 x 1.5 | 8,000 | 16,000 | – | 56.70.04.---- |
| FA 100 / RA 120 x 15 | GSVBLA 8008 | N-4008 | 2,050 | x | – | – | – | 8/275/220 M20 x 1.5 | 8,000 | 16,000 | – | 56.70.04.---- |
| 120 x 15 | GSVBLA 11010 | FL4112 | 1,950 | x | x | x | x | 10/335/280 M20 x 1.5 | 9,000 | 18,000 | 27,000 | 56.88.04.---- |
| 120 x 15 | GSVBLA 11010 | FL4112 | 2,150 | x | x | x | x | 10/335/280 M20 x 1.5 | 9,000 | 18,000 | 27,000 | 56.88.04.---- |
| 120 x 15 | GSVBLA 11010 | – | 2,300 | x | x | x | x | 10/335/280 M20 x 1.5 | 9,000 | 18,000 | 27,000 | 56.88.04.---- |
| 120 x 15 | GSVBLA 11010 | – | 2,800 | x | x | x | x | 10/335/280 M20 x 1.5 | 9,000 | 18,000 | 27,000 | 56.88.04.---- |
| 150 x 16 | GSVBLL 12010 | FL 4118 | 2,050 | x | – | x | x | 10/335/280 M20 x 1.5 | 12,000 | 24,000 | 36,000 | 56.72.04.---- |
| 150 x 16 | GSVBLL 12010 | FL 4118 | 2,225 | x | – | x | x | 10/335/280 M20 x 1.5 | 12,000 | 24,000 | 36,000 | 56.72.04.---- |

*FA = Front axle / RA = Rear axle*

*Models listed above also available with/without brake on request*

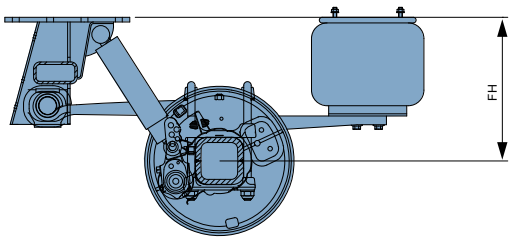
**The BPW Code depends whether the product is single axle, tandem or tridem.*

Possible ride heights (in mm):

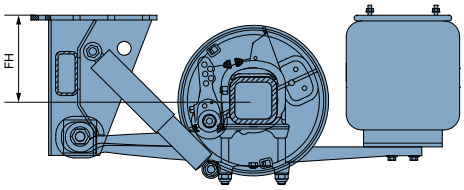
| Wheel base (mm) | 1,360 | 1,380 | 1,600 | 1,820 |
|---|---|---|---|---|
| GSVB 8008 | 292 | – | – | – |
| GSVBLA 8008 | 292 | – | – | – |
| GSVB 11010 | 398 | 290 | 398 | 390 |
| GSVBLA 11010 | 398 | 290 | 398 | 390 |
| GSVB 12010 | 413 | – | 413 | 405 |
| GSVBLL 12010 | 413 | – | 413 | 405 |

# BPW Air Suspension

Air suspension unit GSSLO (overslung spring)



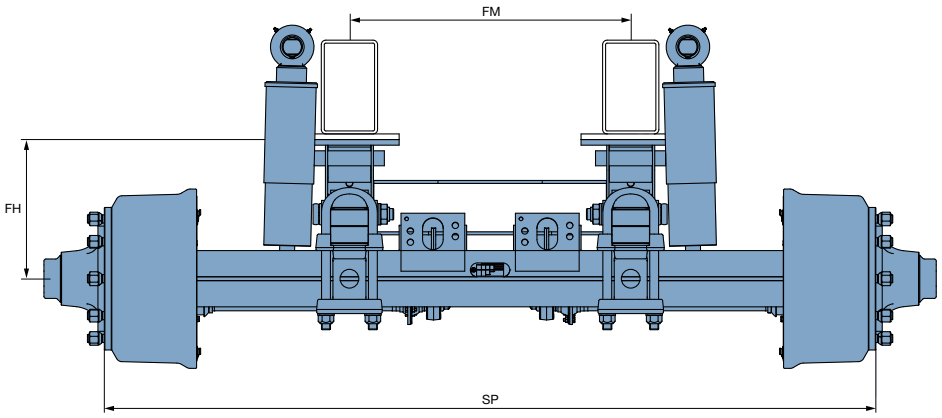

Air suspension unit GSSLU (underslung spring)




| Axle cross-section (mm) | Suspension type | Wheel brake | Track width SP (mm) | Spring centre FM (mm) | Ride height FH (mm) | Wheel connection | Static axle load (kg) | | BPW code |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 25 km/h | 40 km/h | |
| **Rigid air suspension - overslung spring** | | | | | | | | | |
| 120 x 15 | GSSLO 11010 | FL4112 | 1,950 | 900 | 480-540 | 10/335/280 M22x 1.5 | 11,000 | 10,000 | 56.88.01.0600 |
| 120 x 15 | GSSLO 11010 | FL4112 | 2,150 | 1,100 | 480-540 | 10/335/280 M22x 1.5 | 11,000 | 10,000 | 56.88.01.0068 |
| 150 x 16 | GSSLO 12010 | FL4118 | 2,050 | 900 | 490-540 | 10/335/280 M22x 1.5 | 13,000 | 12,000 | 56.72.01.0501 |
| 150 x 16 | GSSLO 12010 | FL4118 | 2,225 | 1100 | 490-540 | 10/335/280 M22x 1.5 | 13,000 | 12,000 | 56.72.01.0287 |
| **Air suspension with single cylinder steering axle - overslung spring** | | | | | | | | | |
| 120 x 15 | GSSLOLA 11010 | FL4112 | 1,950 | 900 | 480-540 | 10/335/280 M22x 1.5 | 11,000 | 10,000 | 56.88.01.0605 |
| 120 x 15 | GSSLOLA 11010 | FL4112 | 2,150 | 1,100 | 480-540 | 10/335/280 M22x 1.5 | 11,000 | 10,000 | 56.88.01.0609 |
| 150 x 16 | GSSLOLL 12010 | FL4118 | 2,050 | 900 | 490-540 | 10/335/280 M22x 1.5 | 13,000 | 12,000 | 56.72.01.0669 |
| 150 x 16 | GSSLOLL 12010 | FL4118 | 2,225 | 900 | 490-540 | 10/335/280 M22x 1.5 | 13,000 | 12,000 | 56.72.01.0730 |
| **Rigid air suspension - underslung spring** | | | | | | | | | |
| 120 x 15 | GSSLU 11010 | FL4112 | 1,950 | 900 | 270-330 | 10/335/280 M22x 1.5 | 11,000 | 10,000 | 56.88.01.0610 |
| 120 x 15 | GSSLU 11010 | FL4112 | 2,150 | 1,100 | 270-330 | 10/335/280 M22x 1.5 | 11,000 | 10,000 | 56.88.01.0149 |
| 150 x 16 | GSSLU 12010 | FL4118 | 2,050 | 1000 | 275-370 | 10/335/280 M22x 1.5 | 13,000 | 12,000 | 56.72.01.0911 |
| 150 x 16 | GSSLU 12010 | FL4118 | 2,225 | 1100 | 275-370 | 10/335/280 M22x 1.5 | 13,000 | 12,000 | 56.72.01.0226 |
| **Air suspension with single cylinder steering axle - underslung spring** | | | | | | | | | |
| 120 x 15 | GSSLULA 11010 | FL4112 | 1,950 | 900 | 270-330 | 10/335/280 M22x 1.5 | 11,000 | 10,000 | 56.88.01.0615 |
| 120 x 15 | GSSLULA 11010 | FL4112 | 2,150 | 1,100 | 270-330 | 10/335/280 M22x 1.5 | 11,000 | 10,000 | 56.88.01.0619 |
| 150 x 16 | GSSLULL 12010 | FL4118 | 2,050 | 800 | 275-370 | 10/335/280 M22x 1.5 | 13,000 | 12,000 | 56.72.01.0916 |
| 150 x 16 | GSSLULL 12010 | FL4118 | 2,225 | 900 | 275-370 | 10/335/280 M22x 1.5 | 13,000 | 12,000 | 56.72.01.0919 |

*Models listed above also available without brake on request*

# BPW Hydro-Pneumatic Suspension




| Axle cross-section (mm) | Suspension type | Wheel brake | Track width SP (mm) | Spring centre FM (mm) | Ride height FH (mm) | Wheel connection | Static axle load (kg) | | BPW code |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 25 km/h | 40 km/h | |
| **Rigid Hydro-Pneumatic suspension** | | | | | | | | | |
| 120 x 15 | GSOH 11010 | FL4112 | 2050 | 750 | 351 | 10/335/280 M22 x 1.5 | 11,000 | 10,000 | 56.88.08.0075 |
| 120 x 15 | GSOH 11010 | FL4112 | 2225 | 850 | 351 | 10/335/280 M22 x 1.5 | 11,000 | 10,000 | 56.88.08.0605 |
| 150 x 16 | GSOH 12010 | FL4118 | 2,050 | 750 | 371 | 10/335/280 M22 x 1.5 | 13,000 | 12,000 | 56.72.08.0506 |
| 150 x 16 | GSOH 12010 | FL4118 | 2,225 | 850 | 371 | 10/335/280 M22 x 1.5 | 13,000 | 12,000 | 56.72.08.0307 |
| 150 x 16 | GSOH 14010 | FL4118 | 2,200 | 850 | 393 | 10/335/280 M22 x 1.5 | 16,000 | 15,000 | 56.74.08.0008 |

| Axle cross-section (mm) | Suspension type | Wheel brake | Track width SP (mm) | Spring centre FM (mm) | Ride height FH (mm) | Wheel connection | Static axle load (kg) | | BPW code |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 25 km/h | 40 km/h | |
| **Hydro-Pneumatic suspension with single cylinder steering axle** | | | | | | | | | |
| 120 x 15 | GSOHLA 11010 | FL4112 | 2,050 | 750 | 351 | 10/335/280 M22 x 1.5 | 11,000 | 10,000 | 56.88.08.0608 |
| 120 x 15 | GSOHLA 11010 | FL4112 | 2,225 | 850 | 351 | 10/335/280 M22 x 1.5 | 11,000 | 10,000 | 56.88.08.0611 |
| 150 x 16 | GSOHLL 12010 | FL4118 | 2,050 | 750 | 365 | 10/335/280 M22 x 1.5 | 13,000 | 12,000 | 56.72.08.0608 |
| 150 x 16 | GSOHLL 12010 | FL4118 | 2,225 | 850 | 365 | 10/335/280 M22 x 1.5 | 13,000 | 12,000 | 56.72.08.0611 |
| 150 x 16 | GSOHLL 14010 | FL4118 | 2,200 | 850 | 393 | 10/335/280 M22 x 1.5 | 16,000 | 15,000 | 56.74.08.0007 |

*Models listed above also available without brake on request*

# BPW Accessories

## BPW trailer coupling type K 80

The trailer coupling is only permitted for use in conjunction with 40 mm drawbar eyes complying with DIN 74054.

| | |
|---|---|
| BPW code | 05.206.10.01.0 |
| Permissible axle load | 8,000 |
| Max. permissible speed | 40 km/h |
| Type | K 80 |

## BPW ECO Air tank

The BPW ECO Air tank is not only light, but extremely robust.

| Specification | |
|---|---|
| Temperature range | from -40°C to +80°C |
| Operating pressure | 12.5 bar |
| Burst pressure | 30-37.5 bar |
| Certificate | 10V |
| European standard | EN 286-1, EN 286-2 |
| DIN | In accordance with DIN 74281 |
| Thread | M22 x 1.5 |

## BPW Landing Legs

With a large range available, BPW Landing Legs are the right choice because they are robust, simple to install and use, and economical.

| Length M | Dimension H | Dimension G | No. of Mounting Holes | Landing Leg Kit | Kit Components Part Numbers | |
|---|---|---|---|---|---|---|
| 700 | 400 | 430 | 7 | 023710KIT700S | 02.3710.63.00 | Geared leg with S type foot |
| | | | | | 02.3710.62.00 | Non geared leg with S type foot |
| | | | | | 02.1404.31.00 | Handle 450mm |
| | | | | | 02.4307.10.00 | Connecting shaft 1,300mm |
| 800 | 470 | 530 | 9 | 023710KIT800S | 02.3710.33.00 | Geared leg with S type foot |
| | | | | | 02.3710.32.00 | Non geared leg with S type foot |
| | | | | | 02.1404.31.00 | Handle 450mm |
| | | | | | 02.4307.10.00 | Connecting shaft 1,300mm |
| 850 | 520 | 580 | 9 | 023710KIT850S | 02.3710.43.00 | Geared leg with S type foot |
| | | | | | 02.3710.42.00 | Non geared leg with S type foot |
| | | | | | 02.1404.31.00 | Handle 450mm |
| | | | | | 02.4307.10.00 | Connecting shaft 1,300mm |

## BPW spare parts and special tooling

For full spare parts information and the catalogue, please visit our website at: **www.bpwtranspec.com.au/products/bpw-agricultural-equipment/**

For technical drawings and more information regarding the specifications for the products listed above, please contact BPW Transpec.

# BPW Transpec Agriculture Equipment Enquiry Form

| | | | |
|---|---|---|---|
| Company: | | Date: | |
| Name: | | Contact: | |

## Type of trailer

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Chaser bin | | Braked | | Pneumatic | | Hydraulic | | | |
| Field bin | | Unbraked | | | | | | | |
| Widebody | | Permissible speed | 25 km/h | | 40 km/h | | 60 km/h | | >60 km/h | |
| Spreader | | | | | | | | | |
| Baler | | Weight platform (e.g. bin) | t | | Load on drawbar | t | | | |
| Sprayer | | Additional payload | t | | Axle or suspension load | t | | | |
| Seeder | | | | | | | | | |
| Food mixer | | | | | | | | | |
| Other | | | | | Wheel fixing | | | | |
| Quantity trailer / year | | Quantity axle / trailer | | | Tyre size | | | | |

## Type of suspension


Walking beam suspension ☐


Tandem axle suspension ☐


Parabolic spring suspension ☐


Air suspension ☐


Hydro-pneumatic suspension ☐

Overslung spring ☐

Underslung spring ☐

## Type of axle


Stub axle rigid ☐ steered ☐ Qty


Rigid axle Qty


Single cylinder axle for positive or self- steering system Qty


Steering axle for positive steering system Qty

## Axle / suspension dimensions


Solid

| | |
|---|---|
| 60 | |
| 70 | |
| 80 | |
| 90 | |
| 100 | |


Hollow

| | |
|---|---|
| 120 | |
| 150 | |

| | |
|---|---|
| Track: | mm |
| Spring centre distance: | mm |
| Booster bracket centre: | mm |
| Wheel base: | mm |
| Ride height: | mm |

## Comments

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