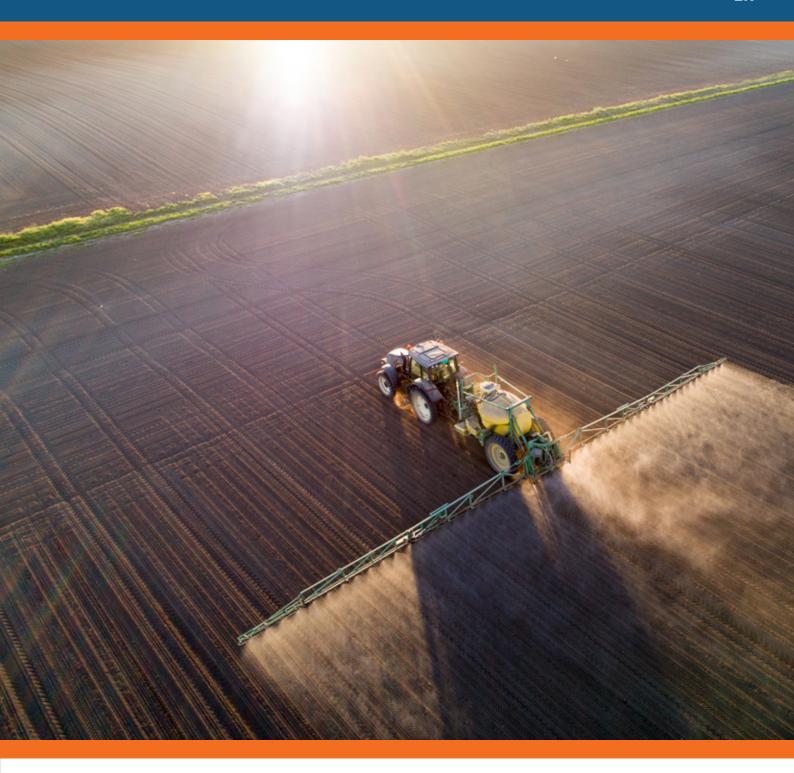
BPW Agricultural Solutions

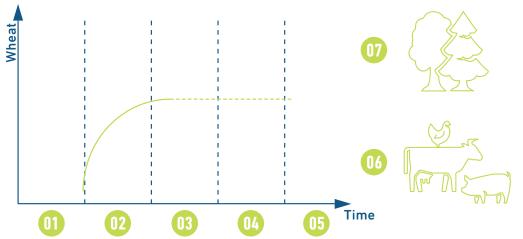
Collection of arguments
Field of application: Plant protection

EN





FIELD OF APPLICATION



- Soil cultivation and seeding
- 12 Fertilizing
- 03 Plant protection
- Harvest and grassland technology
- (15) Transport
- 16 Livestock farming
- **17** Forest technology



Partnership through a lifetime



SALES AND ORDER LOGISTICS

- Comprehensive support and flexibility in ordering
- Professional organization for optimized lead time
- Personal contact person



APPLICATION CONSULTATION

- Technical support to identify the most suitable solution for the application
- Ensuring compatibility between components and systems used
- Navigate through the diverse range of products on the market
- Assistance during commissioning



CONSTRUCTION

- Development in partnership with the vehicle manufacturer
- Development of components, axles and suspension units
- FEM designed components and systems
- Brake and bearing calculation
- In-house test vehicle and brake test bench
- _ Lifetime, and fatigue tests



PRODUCTION

- High competence in mechanical fabrication
- Surface treatment and assembly
- Quality assurance certificates
- Product specific assembly points



CUSTOMER SERVICE

- Comperhensive customer services
- Complete maintenance documentation
- In the scope of a technical agreement, the deployment of our fitters on-site is possible



SPARE PARTS SUPPLY

- Longer service life due to perfectly matched individual components
- More than 3.200 service station world wide with original BPW parts
- Individual spare parts lists and drawings
- Spare parts groups for standard products
- Every axle and running gear is documented, for easy component identification

General product benefits



Minimal corrosion damage and longer service life of the complete chassis due to the KTL surface treatment



Large safety reserves in case of a temporary and extreme overloading



FEM designed, tried and tested components



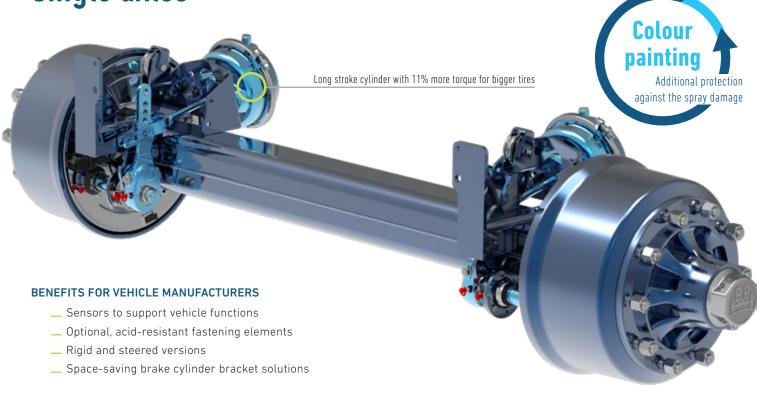
Axles are either being supplied with the latest sensor technology or prepared for their installment



EU compliant brakes

UNSPRUNG SOLUTIONS





BENEFITS FOR THE END USERS

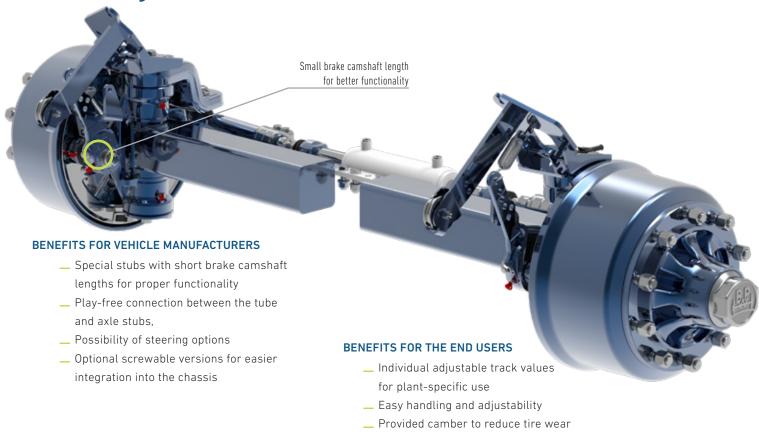
Extra plant protection, all functional components are mounted above the axle beam

Extra durability due to coating and acid-resistant fasteners (optional)

Camber to reduce tire wear

Space-saving, special roller parking brake operation

Track adjustable axles- and axle stubs*

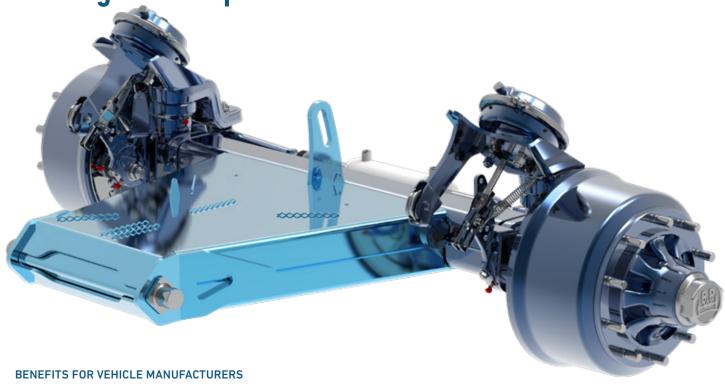




UNSPRUNG SOLUTIONS

SUSPENSION UNITS

Trailing arm suspension unit*

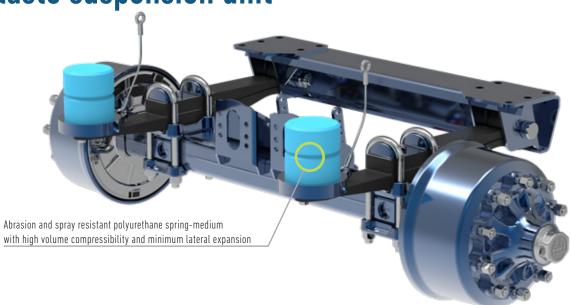


- Very rigid box construction against torsional stress for extreme stability
- Prepared for cellasto-, air- or hydropneumatic suspension





Cellasto suspension unit



BENEFITS FOR THE END USERS

- Maintenance-free suspension
- Optimum transmission of forces due to a special trailing arm and formfitting axle connection for lower service costs and service life

BENEFITS FOR VEHICLE MANUFACTURERS

- _ Simple and cost-optimised suspension
- _ Can be operated without external medium or control
- Optionally with frame for easy installation

Air suspension unit



BENEFITS FOR THE END USERS

- Outstanding driving comfort for on-road and off-road use
- Constant ride height even with different loading conditions
- Optimum transmission of forces due to a special trailing arm and formfitting axle connection for lower service costs and service life
- __ Maintenance free suspension

BENEFITS FOR VEHICLE MANUFACTURERS

- Optional with frame and complete braking system
- Possibility for steering
- Well-known and proven BPW components and solutions based on the semi-trailer program
- Even load distribution over all wheels

*Further technical descussion needed

SUSPENSION UNITS

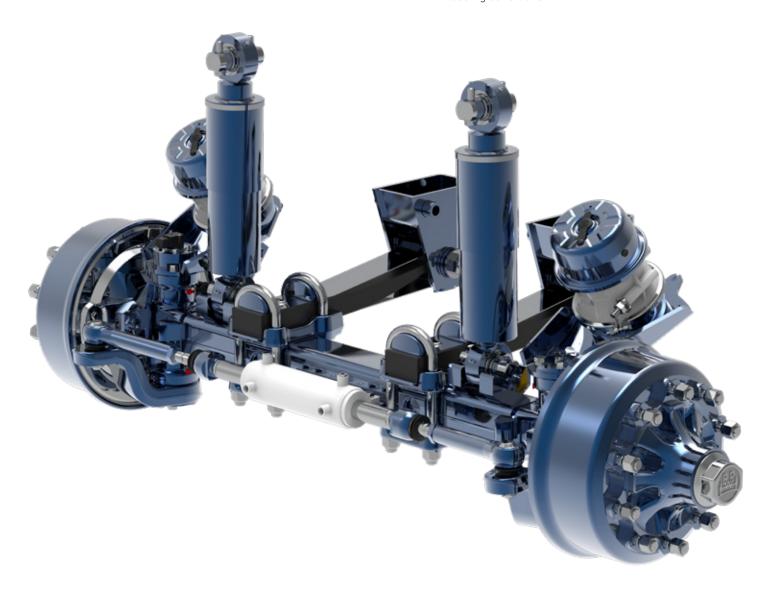
Hydropneumatic suspension unit

BENEFITS FOR VEHICLE MANUFACTURERS

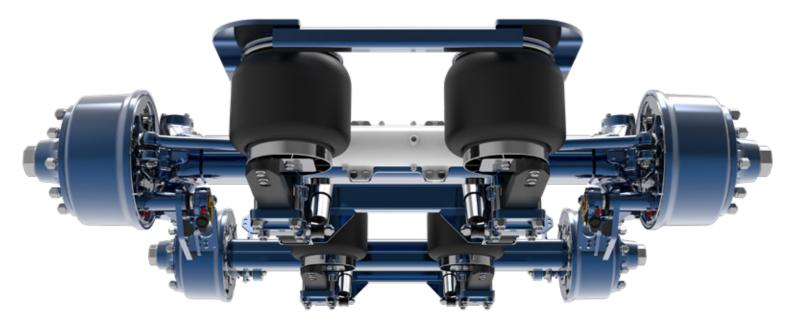
- Uncompromising driving safety
- High spring travel and complete dynamical equalisation
- Optional individual frame solutions with little assembly effort
- Prepared for electronic force-steering
- Possibility of steering

BENEFITS FOR THE END USERS

- Better driving comfort due to the wide support of the hydraulic cylinders
- Safe and comfortable driving even with a high center of gravity of the vehicle
- Outstanding driving comfort for on-road and off-road use
- Constant ride height even with different loading conditions



Multi axle applications

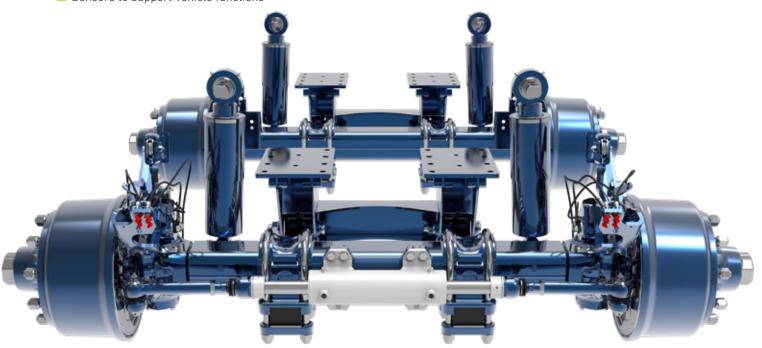


BENEFITS FOR VEHICLE MANUFACTURERS

- With hydropneumatic- or air-suspension
- Optional with frame and complete braking system
- Wide range of design options through modules (rigid – self steering, rigid – force steering, force steering - force steering)
- Sensors to support vehicle functions

BENEFITS FOR THE END USERS

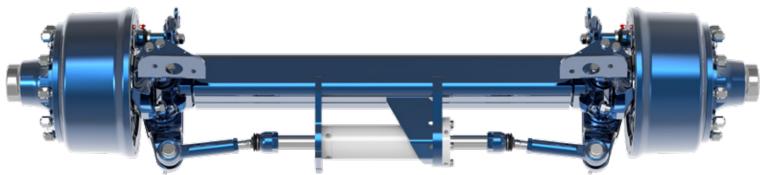
- _ Even brake and tire wear
- _ Even ground pressure
- Optimum transmission of forces due to a special trailing arm and formfitting axle connection for lower service costs and longer service life



SUSPENSION UNITS

OPTIONS

Axles with force-steering geometry

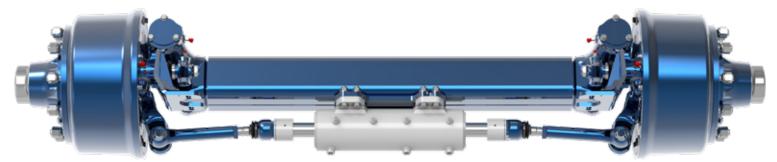


BENEFITS FOR VEHICLE MANUFACTURERS

- Designed for hydraulically or electronically controlled force-steering
- __ 28° maximale steering angle with force-steering cylinder
- Prepared for Elobau Steering angle sensors
- Optimal Steering force due to the steering geometry
- Flat thrust washer for low force effort turning behaviour
- Smaller turning radius



Axles with self-steering geometry

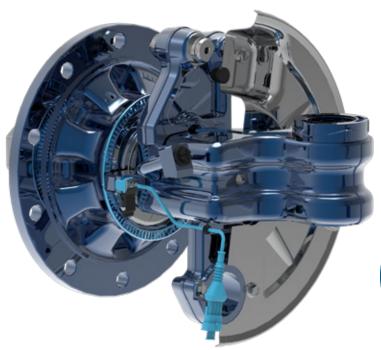


BENEFITS FOR VEHICLE MANUFACTURERS

- With combination cylinder for self-steering or force-steering mode
- __ 28° maximale steering angle with force-steering cylinder
- Prepared for Elobau & Mobil Elektronik Steering angle sensors
- __ 200h maintenance intervalls
- Several opportunities for brake cylinder bracket positioning
- Better driving behaviour due to the waved thrust washer



SDS* and ABS sensor

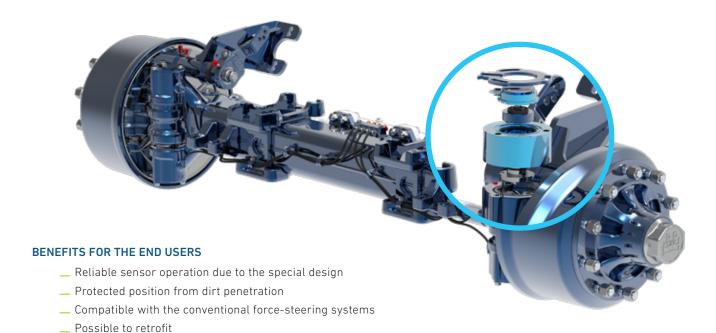


BENEFITS FOR THE END USERS

- Speed measurement from just 1 km/h (SDS)
- Determines the direction of the rotation (SDS)
- BPW patent: extra protection against twisting (SDS)
- Optional spreading rate adjustment (SDS)
- Highway compliance (ABS)
- Special protection design for sensors against dirt, water and mud: uninterrupted and reliable sensor signal

Uninterrupted and reliable sensor signal

Integrated steering angle sensor



*BPW Speed & Direction of rotation Sensor

The brands of the BPW Group:











