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MECHANICAL SUSPENSION PRODUCT RANGE

Strength. Stability. Efficiency.

Core Product Line



The brands of the BPW Group



BPW Agrar

Perfect is just enough.

MECHANICAL SUSPENSION PRODUCT RANGE

Strength. Stability. Efficiency.

BPW Agrar's new mechanical suspension family has been engineered to combine superior durability, long service life, and cost-efficient production. Leveraging advanced design principles and a modular product architecture, this range is built to meet real operational needs while offering maximum flexibility for diverse applications worldwide.

IMPLEMENTATION PHASES & TIME SCHEDULE

TYP A - 2026 Q2 (SOP)

TYP B - 2027 Q4 (SOP)

TYPE A



For

High-demand applications with axle loads from 11 t axle load

Advantage

Maximum stability without stabilisers, connection rod for precise axle alignment, maintenance-free equalising beam bearings

Offering

Fully customisable configurations, compatible with multiple wheelbases and spring types within the modular platform

Typical Application

- ✓ Primarily aligned with **Custom Product Line** solutions
- ✓ Also suitable for **Core** Product Line configurations with **GS11000** axles



KEY FEATURES & TECHNICAL ADVANTAGES - TYPE A

Modular Principle Design

Identical installation dimensions allow interchangeability between parabolic and leaf springs

Enhanced Spring Options

100 mm widths, parabolic or multi-leaf

No Side Support Required

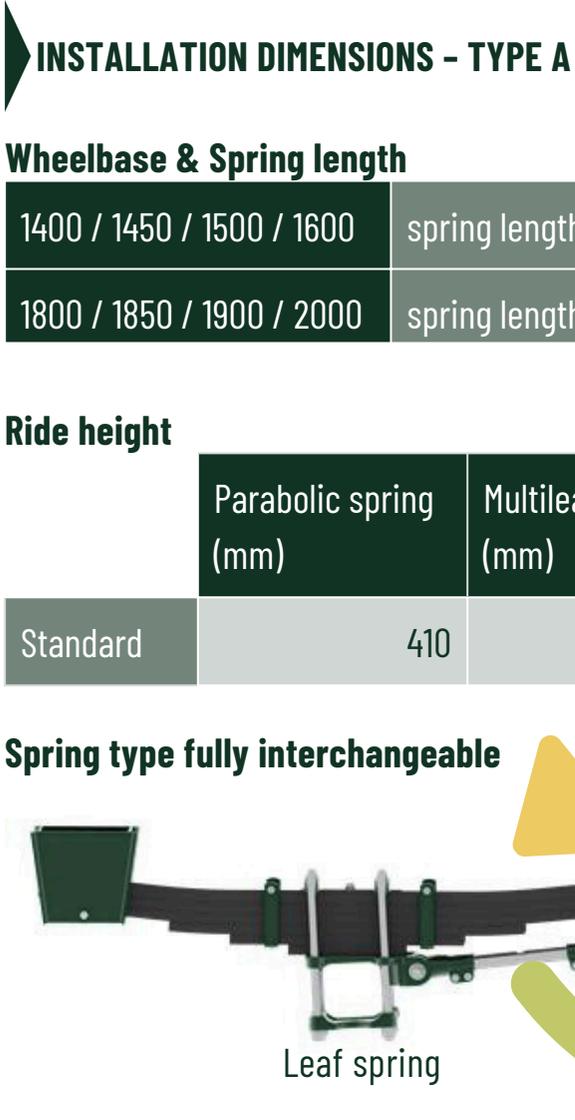
Even at larger wheelbases, reducing cost and complexity

Advanced Connection Rod System

Adjustable at the rod or support for precise axle positioning

Maintenance-Free Bearings

Ensures long-lasting performance with minimal downtime



INSTALLATION DIMENSIONS - TYPE A

Wheelbase & Spring length

1400 / 1450 / 1500 / 1600	spring length 985 mm
1800 / 1850 / 1900 / 2000	spring length 1385 mm

Ride height

	Parabolic spring (mm)	Multileaf spring (mm)
Standard	410	410

Axle

Type	Axle beam	Brake
GS(LA) 11010	120x10	N 4012-4
	120x15	FL 4112
GS(LL) 12010	150x10	FL 4118
	150x16	FL 4518
GS(LL) 14010	150x20	FL 4118
	150x24	FL 4518

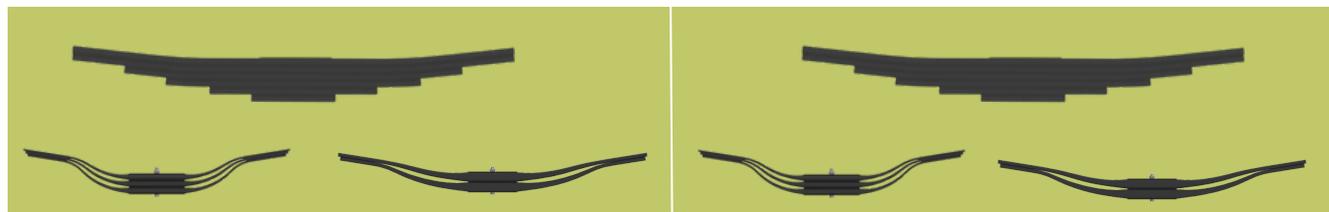
Spring type fully interchangeable



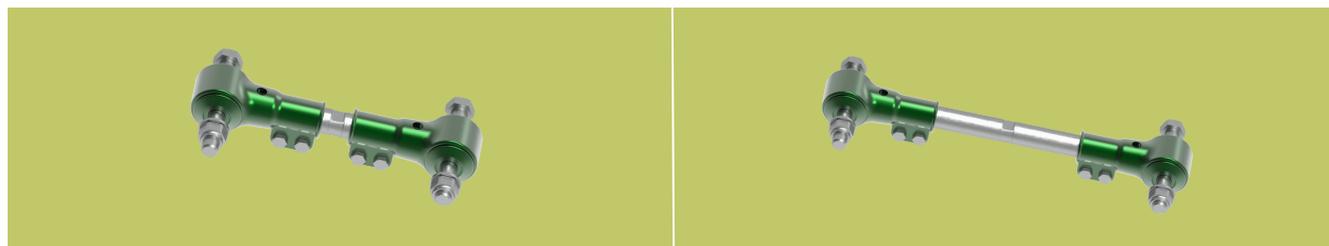
MODULAR PRODUCT SYSTEM - TYPE A

Short version - spring length 985 mm

Long version - spring length 1385 mm



RS 1400 RS 1450 RS 1500 RS 1600 RS 1800 RS 1850 RS 1900 RS 2000



MODULAR PRINCIPLE DESIGN - INTERCHANGEABLE SPRING TYPES VIA UNIFORM DIMENSIONS

1400 1450 1500 1600

Wheelbase

1800 1850 1900 2000

Capacity*

Spring length 985 mm

Spring length 1385 mm

Axle type

18000	Parabolic spring	Multileaf spring	GS11000
20000			
21000			
22000	Parabolic spring	Multileaf spring	GS12000
24000			
26000			
28000	Parabolic spring	GS14000	
30000			
32000			

Upgrade Option
Switch to higher capacity springs within the same modular design

*for Tandem application