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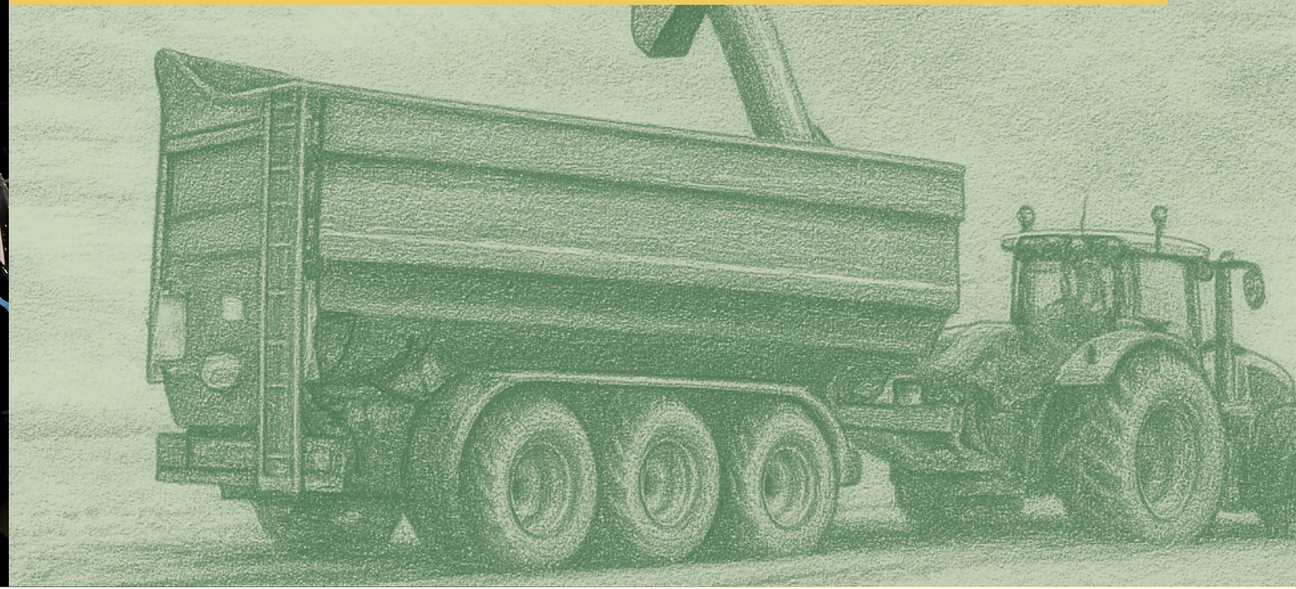
MECHANICAL SUSPENSION PRODUCT RANGE

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)

INSTALLATION DIMENSIONS – TYPE A

Wheelbase & Spring length

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

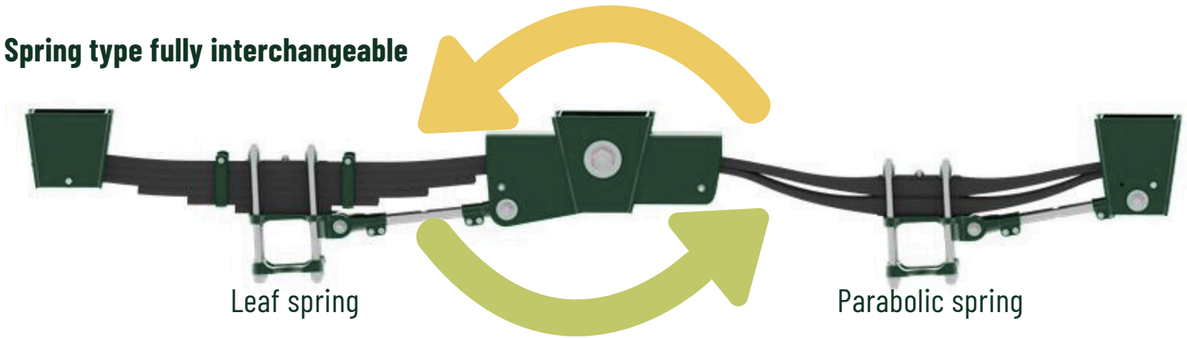
Ride height

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

Axle

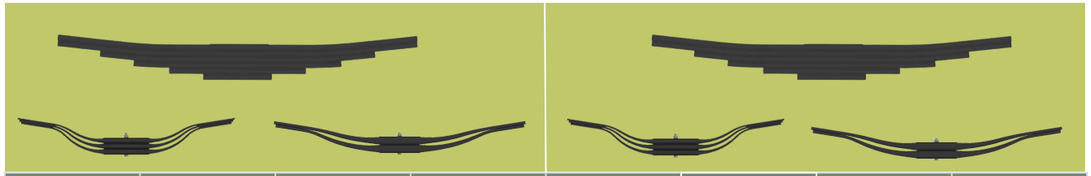
Type	Axle beam	Brake
GS(LA) 11010	120x10	N 4012-4
	120x15	FL 4112
GS(LL) 12010	150x10	FL 4118
	150x16	FL 4518
GS(LL) 14010	150x20	FL 4118
	150x24	FL 4518

Spring type fully interchangeable

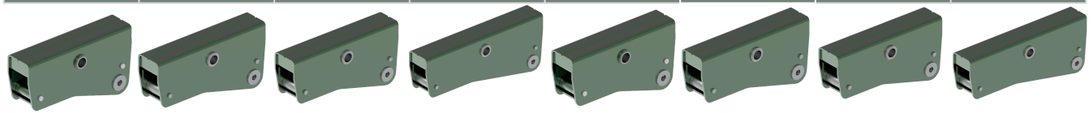


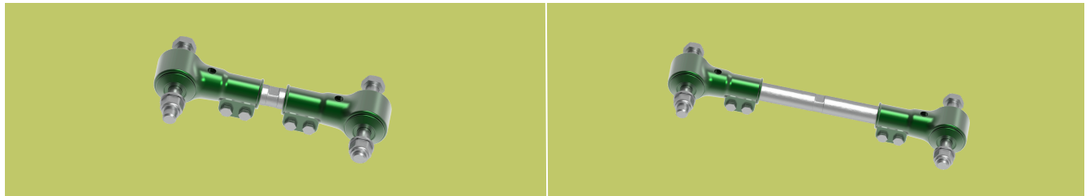
MODULAR PRODUCT SYSTEM - TYPE A

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





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

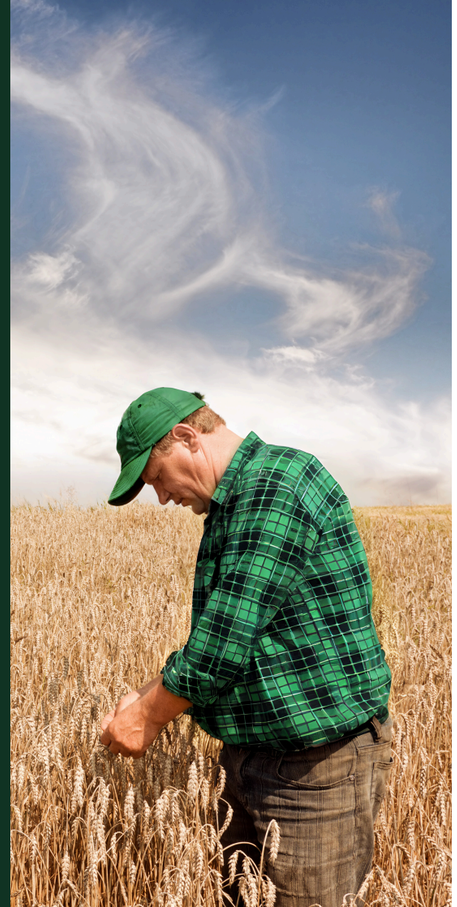
Modular Principle Design
Identical installation dimensions allow interchangeability between parabolic and leaf springs

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



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			Parabolic spring		Multileaf spring		GS12000
24000										
26000										
28000	Parabolic spring					Parabolic spring				GS14000
30000										
32000										

*for Tandem application

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