

BPW Agricultural Solutions

Product catalogue

Field of application: Fertilizing

EN

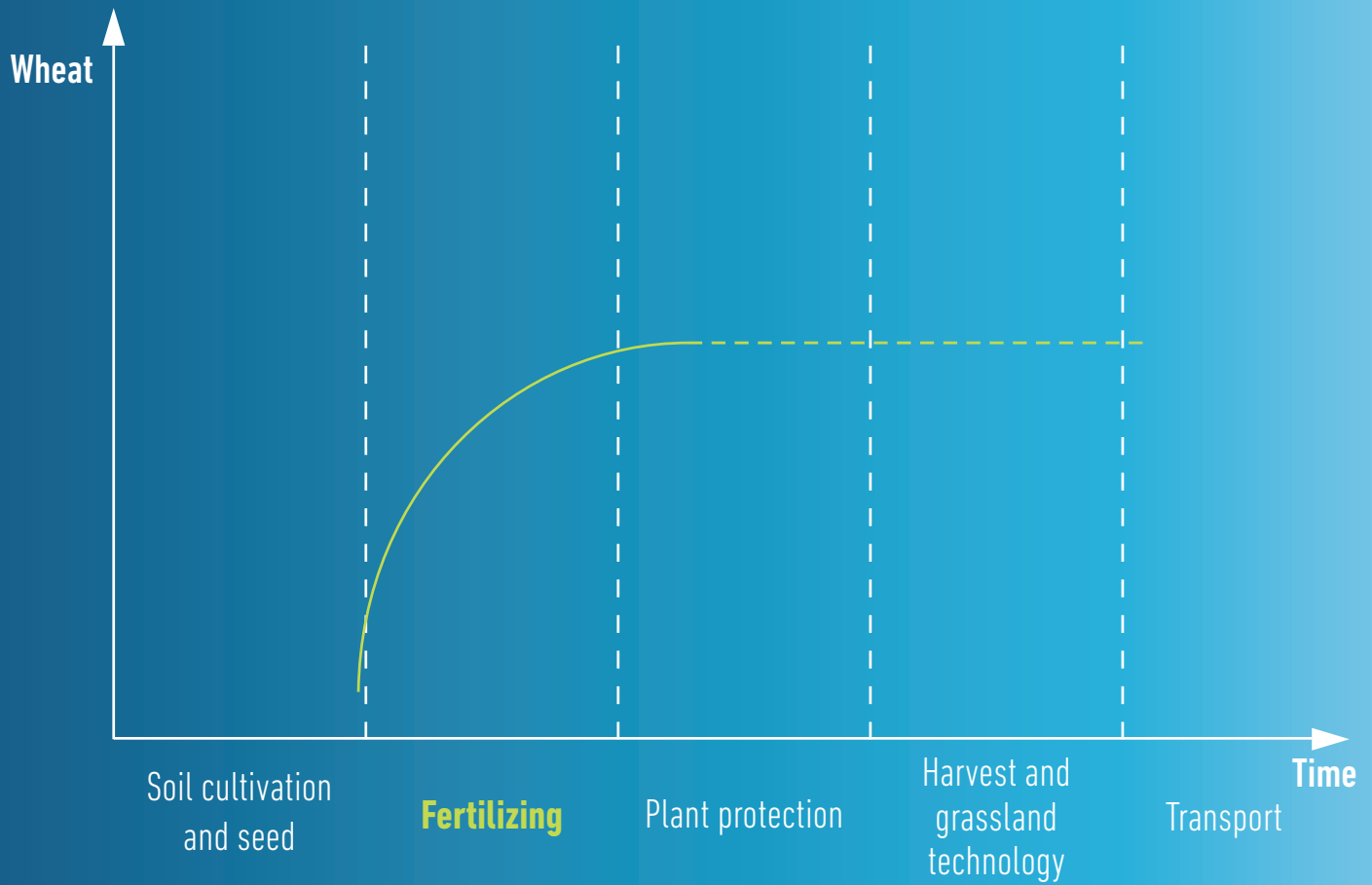


Customised Solutions

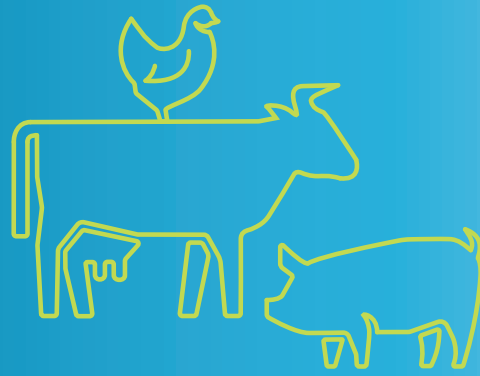


Fields of application

Customised Solutions for agricultural use



Forest technology



Livestock farming

Relevant vehicles

BPW recommendations



Field edge container

- › Single axle – Unsprung, Stub axles



Fertilizer spreader

- › Single axle – Unsprung
- › Tandem – Bogie, Air suspension, HP



Manure spreader

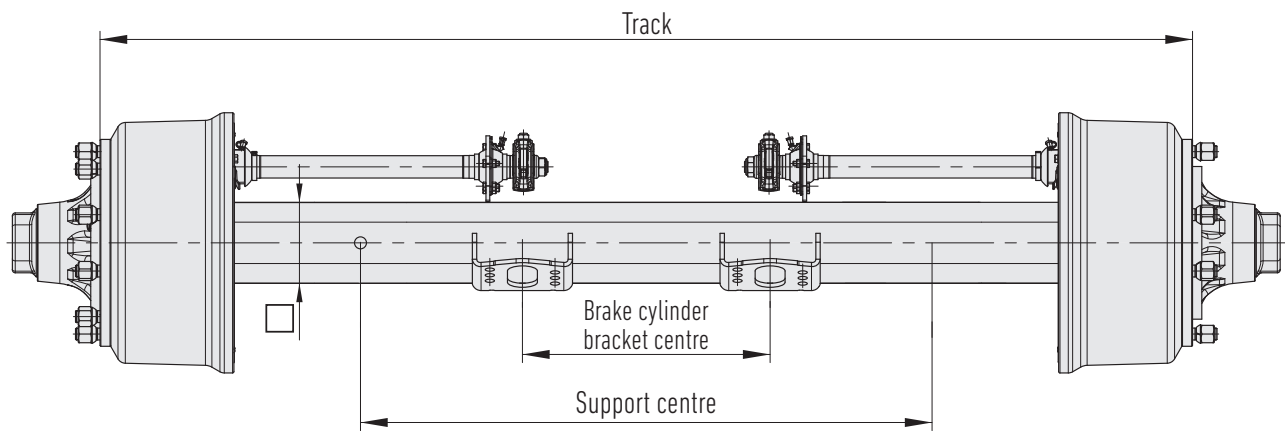
- › Single axle – Unsprung
- › Tandem – Bogie, Air suspension, HP
- › Tridem – Air suspension, HP



Slurry tanker

- › Single axle – Unsprung
- › Tandem – Bogie, Air suspension, HP
- › Tridem – Air suspension, HP
- › Quadrem – Air suspension, HP

BPW Solutions for Unsprung single axle applications



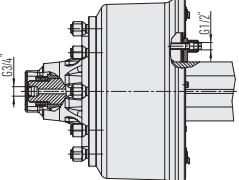
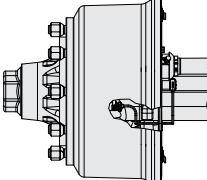
Axle type	Axle cross section [mm]	Brake	Wheel connection			Static axle load [kg]*		
			Z	Ø X [mm]	Ø Y [mm]	25 km/h	40 km/h	60 km/h
GS 5508	80	N 3108	8	M20 x 1,5	220	7.000	6.500	6.000
GS 5508	90	N 3108	8	M20 x 1,5	220			
GS 7008	80	N 3108	8	M20 x 1,5	220	9.000	8.500	7.500
GS 7008	90	N 3108	8	M20 x 1,5	220			
GS 7008	80	N 3411	8	M20 x 1,5	220			
GS 7008	90	N 3411	8	M20 x 1,5	220			
GS 9008	110x10	N 3411	8	M20 x 1,5	220	11.500	10.500	9.500
GS 9008	110x14	N 3411	8	M20 x 1,5	220			
GS 9008	110x10	N 4012	8	M20 x 1,5	220			
GS 9008	110x14	N 4012	8	M20 x 1,5	220			
GS 9010	110x10	N 4012	10	M22 x 1,5	280			
GS 9010	110x14	N 4012	10	M22 x 1,5	280			
GS 11010	120x10	N 4012	10	M22 x 1,5	280	13.000	13.000	11.500
GS 11010	120x15	N 4012	10	M22 x 1,5	280			
GS 11010	120x10	FL 4112	10	M22 x 1,5	280			
GS 11010	120x15	FL 4112	10	M22 x 1,5	280			
GS 11010	120x10	FL 4118	10	M22 x 1,5	280			
GS 11010	120x15	FL 4118	10	M22 x 1,5	280			
GS 12010	150x10	FL 4112	10	M22 x 1,5	280	15.000	15.000	14.500
GS 12010	150x16	FL 4112	10	M22 x 1,5	280			
GS 12010	120x15	FL 4118	10	M22 x 1,5	280			
GS 12010	150x10	FL 4118	10	M22 x 1,5	280			
GS 12010	150x16	FL 4118	10	M22 x 1,5	280			
GS 12010	150x16	FL 4118	10	M22 x 1,5	280			
GS 14010	150x16	FL 4118	10	M22 x 1,5	280	17.000	17.000	16.000
GS 14010	150x20	FL 4118	10	M22 x 1,5	280			
GS 14010	150x24	FL 4118	10	M22 x 1,5	280			

*The axle load depends on the track, support centre and the tyres used.

Other design dimensions

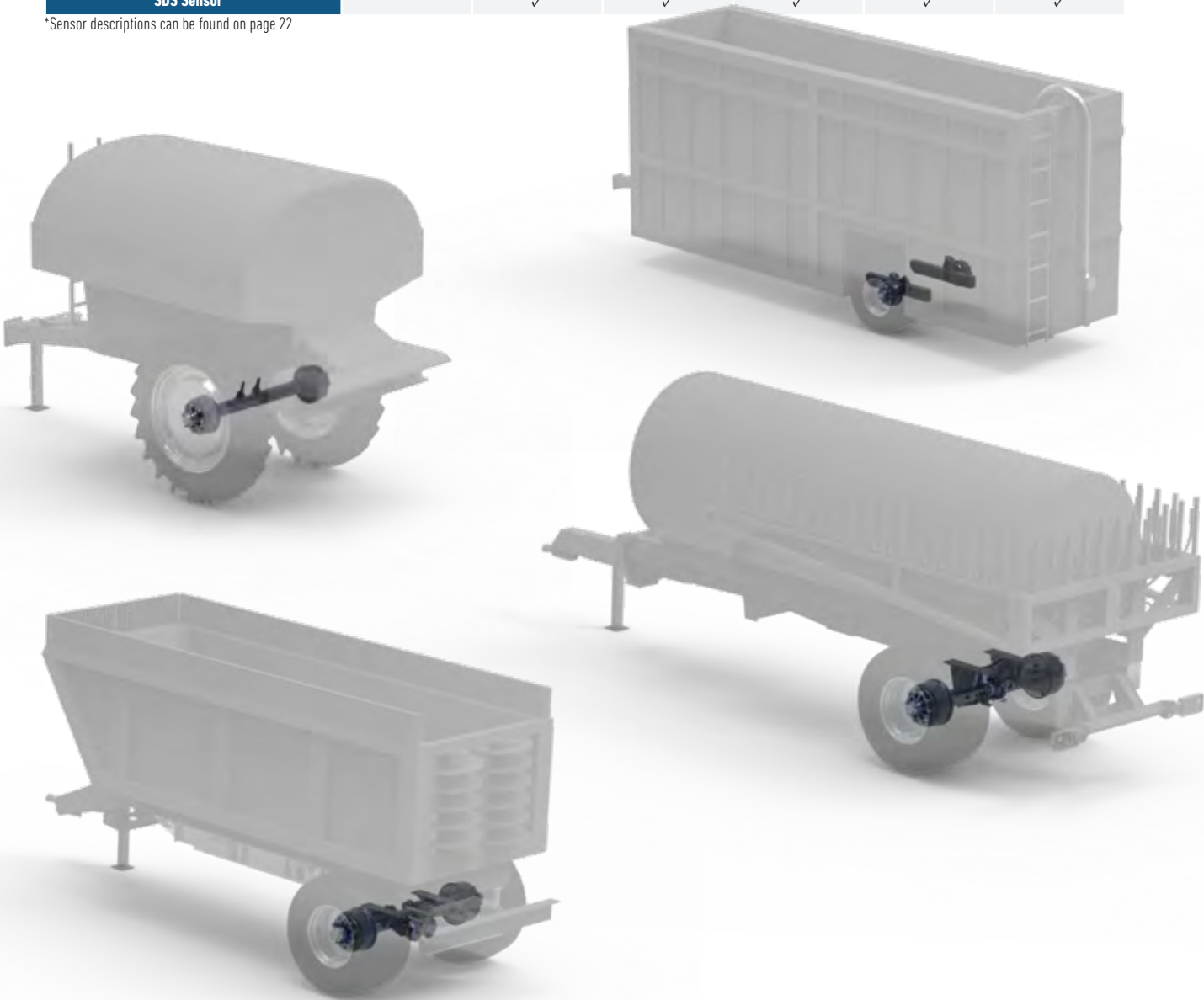
	GS 5500	GS 7000	GS 9000	GS 11000	GS 12000	GS 14000
Track	1.700-2.300 mm in 50 mm increments. Other dimensions are available on request					
Support centre	On request					
Brake cylinder bracket centre	On request					

Options

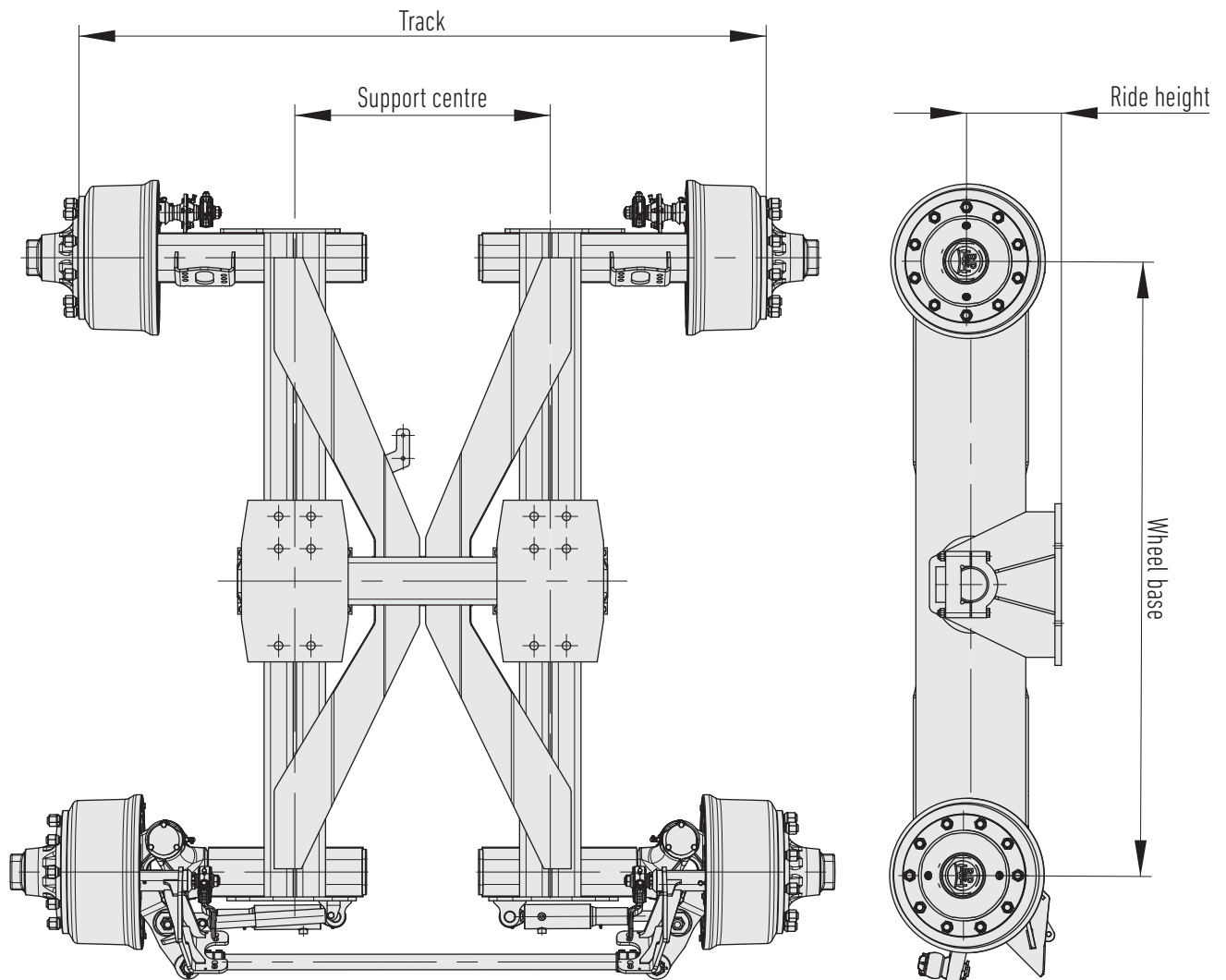
Preparation for central tyre inflation system (CTIS)	Wheel sensors
	

	GS 5500	GS 7000	GS 9000	GS 11000	GS 12000	GS 14000
CTIS				✓	✓	✓
ABS Sensor *		✓	✓	✓	✓	✓
SDS Sensor *		✓	✓	✓	✓	✓

*Sensor descriptions can be found on page 22



BPW Solutions for Tandem - Pendle suspension unit



Type	Axle cross section [mm]	Brake	Ride height [mm]	Wheel connection			Static suspension unit load [kg]*		
				Z	Ø X [mm]	Ø Y [mm]	25 km/h	40 km/h	
GSSTP 11010	 120x10 (15)	FL 4112	280	10	M22 x 1,5	280	335	21.000	20.000
GSSTP 12010	 150x16	FL 4118	280	10	M22 x 1,5	280	335	27.000	27.000

*Suspension unit load depends on the ratio of the track and support centre, and on the tyres.

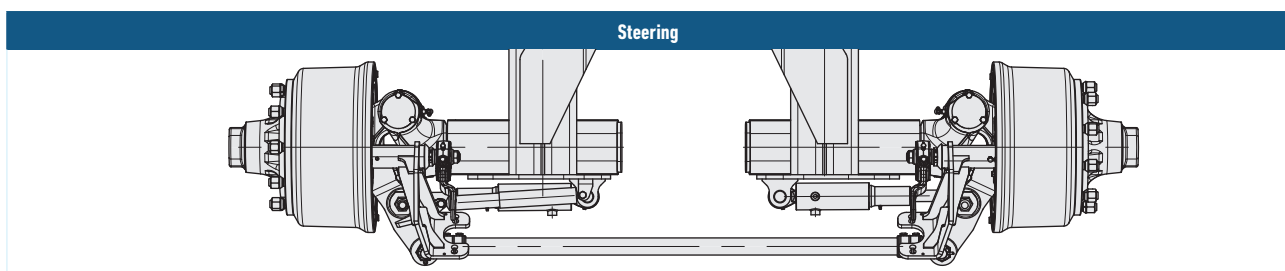
Other design dimensions

	GSSTP 11000	GSSTP 12000
Track	1.700-2.300 mm in 50 mm increments. Other dimensions are available on request	

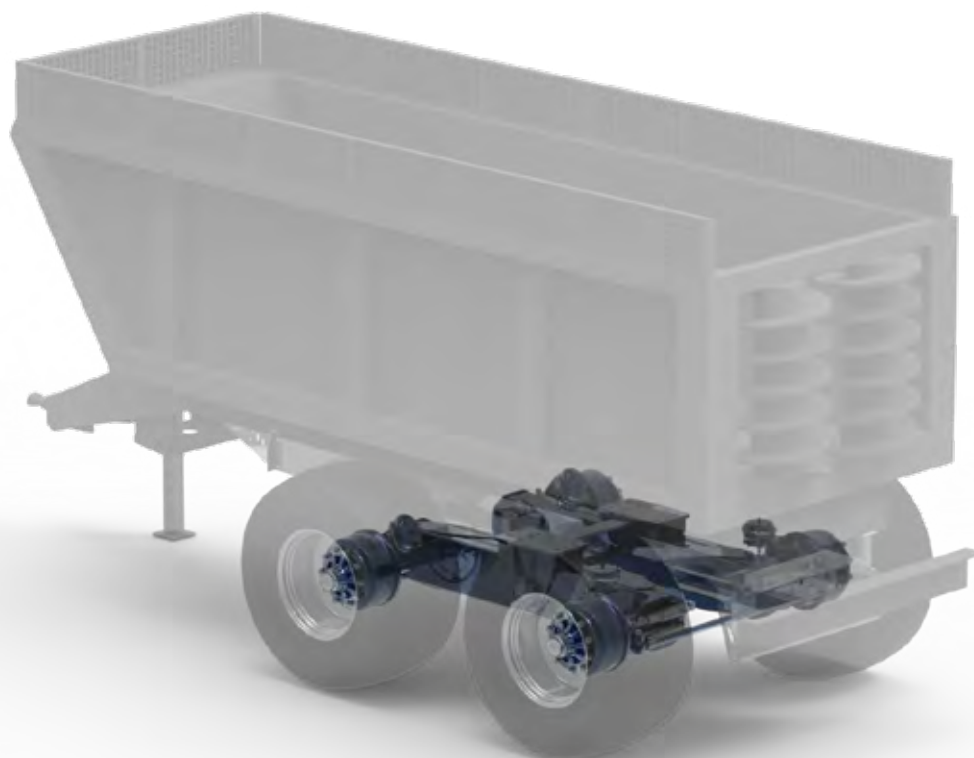
Wheelbase	Versions		Comment
	GSSTP 11000	GSSTP 12000	
1.300	✓		
1.550	✓	✓	
1.900		✓	

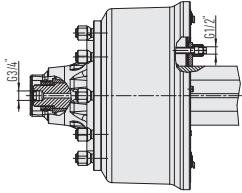
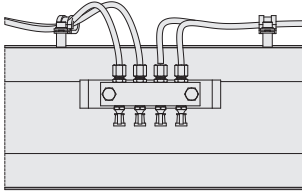
Support centre	Versions		Comment
	GSSTP 11000	GSSTP 12000	
790	✓	✓	
890	✓	✓	
1.100			
other dimensions	✓	✓	Examination required

Options

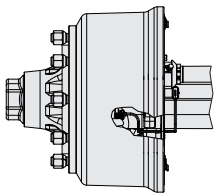
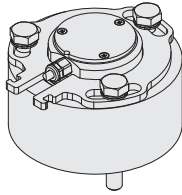


Steering options	Versions		Comment
	GSSTPLS 11000	GSSTPLS 12000	
Rigid-self steering	✓	✓	
Rigid-force steering	✓	✓	



Preparation for central tyre inflation system (CTIS)	Central lubrication system
	

	Versions		Comment
	GSSTP 11000	GSSTP 12000	
CTIS	✓	✓	
Central lubrication system	✓	✓	for specific lubrication points further consultation is necessary

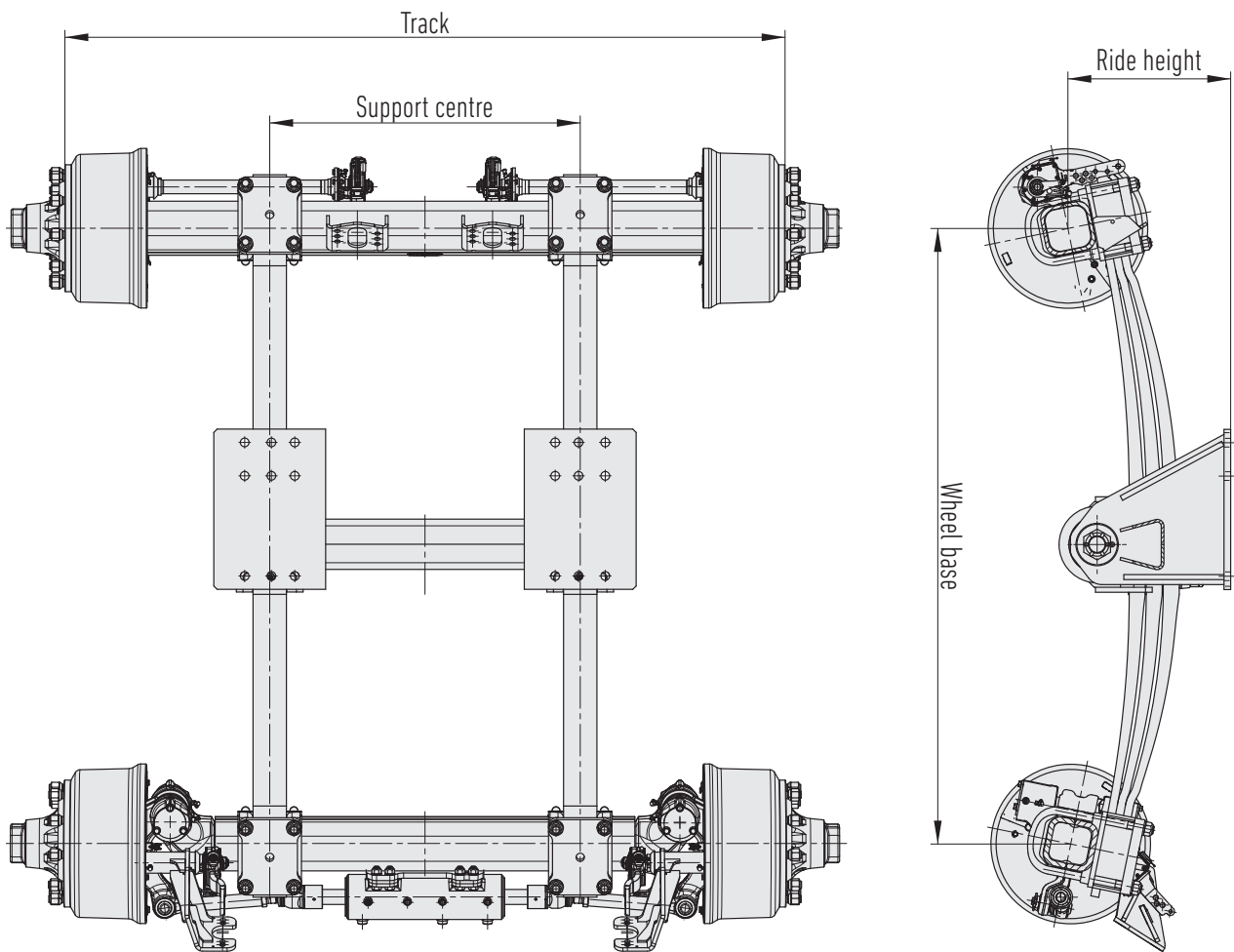
Wheel sensors	Integrated steering angle sensor
	

	Versions		Comment
	GSSTP 11000	GSSTP 12000	
ABS sensor*	✓	✓	
SDS sensor*	✓	✓	
Steering angle sensor	✓	✓	

*Sensor descriptions can be found on page 22



BPW Solutions for Tandem - Bogie suspension unit



Axle type	Axle cross section [mm]	Brake	Wheel connection			Static suspension unit load [kg]*	
			Z	Ø X [mm]	Ø Y [mm]	40 km/h	60 km/h
GSBW 11010	120x10 (15)	N 4012	10	M22 x 1,5	280	20.000	18.000
GSBW 11010	120x10 (15)	FL 4112	10	M22 x 1,5	280	20.000	18.000
GSBW 12010	150x10 (16)	FL 4118	10	M22 x 1,5	280	24.000	22.000
GSBW 12010 HD**	150x10 (16)	FL 4118	10	M22 x 1,5	280	26.000	24.000

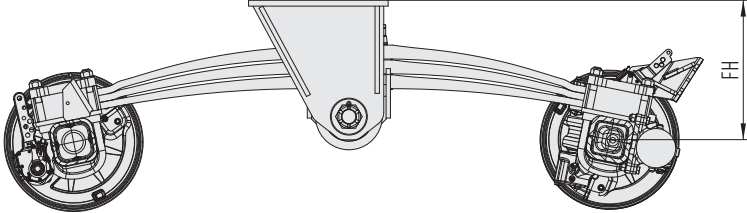
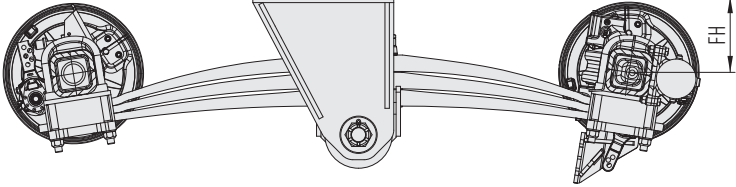
*Suspension unit load depends on the ratio of the track and support centre, and on the tyres.

**Heavy-Duty version with reinforced support and spring.

Other design dimensions

	GSBW 11000		GSBW 12000
Track	1.700-2.300 mm in 50 mm increments. Other dimensions are available on request		
Support centre	On request		

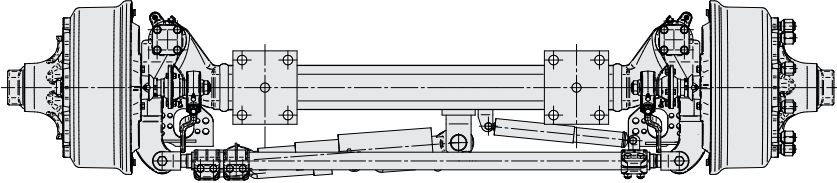
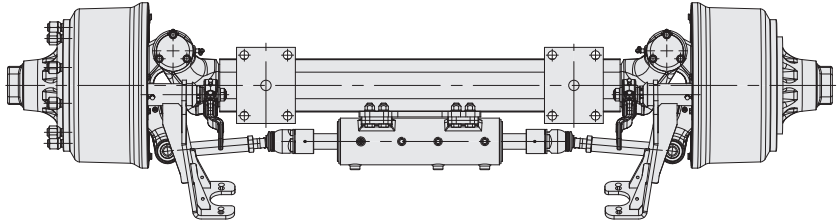
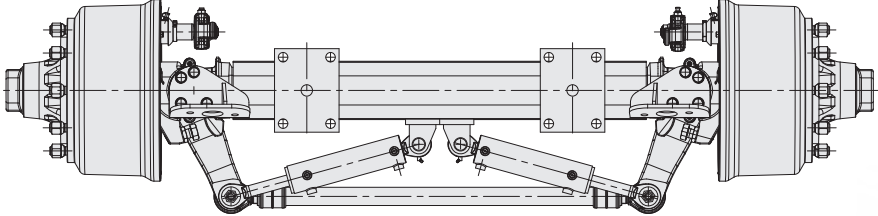
Wheelbase	Versions		Comment
	GSBW 11000	GSBW 12000	
1.450	✓	✓	
1.600	✓	✓	
1.900	✓	✓	

Spring mounting	
Spring mounted upon the axle FO	
Spring mounted below the axle FU	

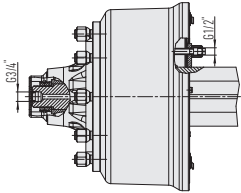
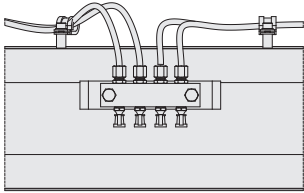
Ride height (FH [mm])										
Wheel base	1450		1600		1600 HD**		1900		1900 HD**	
Support height	FU	FO	FU	FO	FU	FO	FU	FO	FU	FO
400	202	465	219	476	-	-	223	486	-	-
430	232	495	249	506	-	-	253	517	-	-
430 HD**	232	495	-	-	240	505	-	-	224	495
470	272	535	287	546	-	-	291	557	-	-
530	332	-	347	-	-	-	353	-	-	-
530 HD**	332	-	-	-	340	-	-	-	322	-

** Heavy-Duty version with reinforced support and spring, and with steered rear axle.

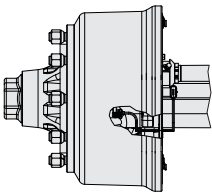
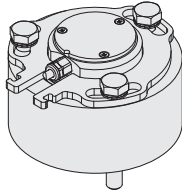
Options

Steering axles	
GSLA Self-steering axle with self-steering	
GSLL AGRO Turn with self-steering or with force steering	
GSL Force-steering axle with force steering	

Steering				
Versions		GSBW(L/LA) 11000	GSBW(L/LL) 12000	Comment
rigid	GSLA self-steering axle	✓		
rigid	GSLL - AGRO Turn		✓	
rigid	GSL force-steering axle	✓	✓	

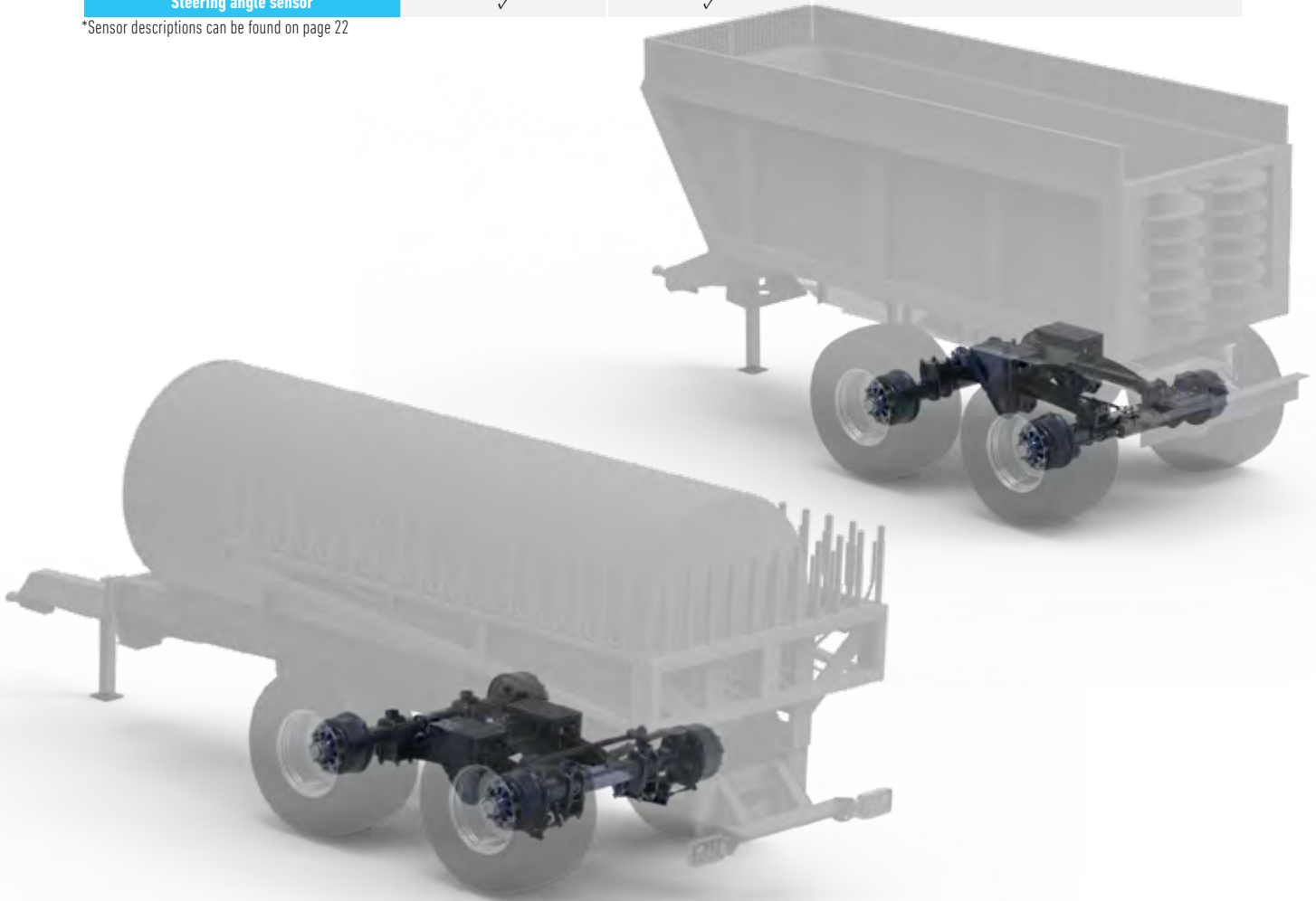
Preparation for central tyre inflation system (CTIS)	Central lubrication system
	

	Versions		Comment
	GSBW 11000	GSBW 12000	
CTIS	✓	✓	
Central lubrication system	✓	✓	for specific lubrication points further consultation is necessary

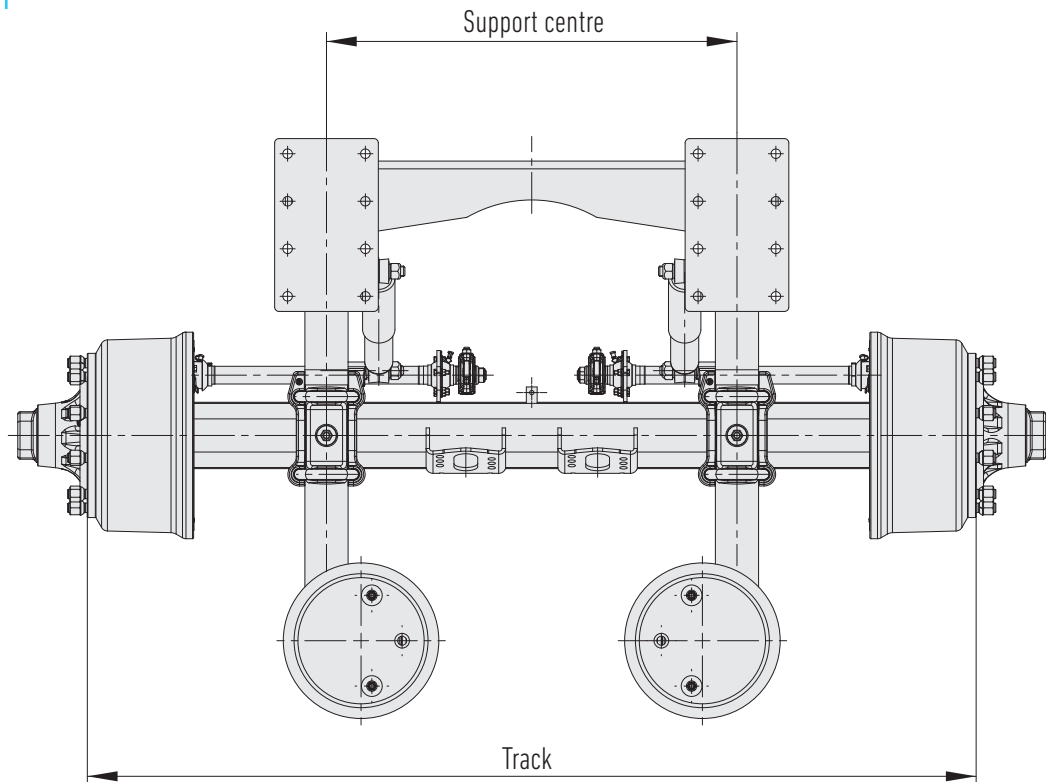
Wheel sensors	Integrated steering angle sensor
	

	Versions		Comment
	GSBW 11000	GSBW 12000	
ABS sensor*	✓	✓	
SDS sensor*	✓	✓	
Steering angle sensor	✓	✓	

*Sensor descriptions can be found on page 22



BPW Solutions for Air suspension units

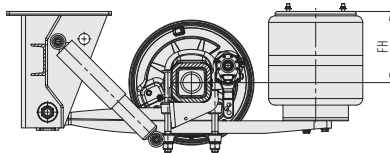
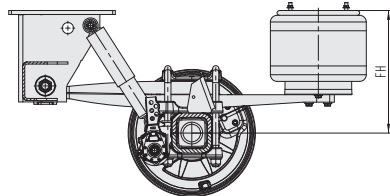


Type	Axle cross section [mm]	Brake	Wheel connection			Static suspension unit load [kg]*		
			Z	Ø X [mm]	Ø Y [mm]	40 km/h	60 km/h	
GSSLU/O 11010	 120x15	N 4012	10	M22 x 1,5	280	335	10.000	9.000
GSSLU/O 11010	 120x15	FL 4112	10	M22 x 1,5	280	335		
GSSLU/O 12010	 150x16	FL 4118	10	M22 x 1,5	280	335	13.000	12.000
GSSLU/O 14010	 150x16	FL 4118	10	M22 x 1,5	280	335	14.000	14.000
GSSLU/O 14010	 150x20	FL 4118	10	M22 x 1,5	280	335		

*Suspension unit load depends on the ratio of the track and support centre, and on the tyres.

Other design dimensions

	GSSLU/O 11000	GSSLU/O 12000	GSSLU/O 14000
Track	1.700-2.300 mm in 50 mm increments. Other dimensions are available on request		
Support centre	On request		

Spring mounting	
Spring mounted below the axle SLU	
Spring mounted upon the axle SLO	

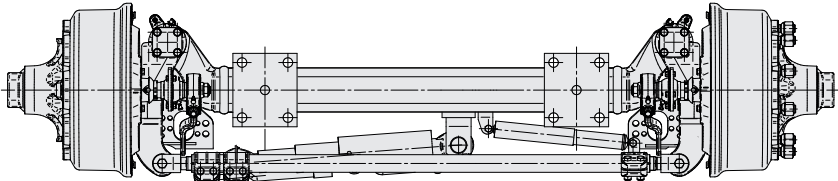
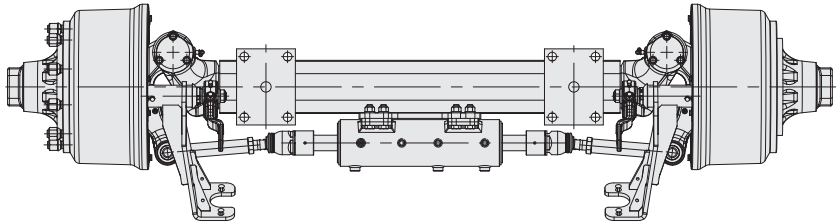
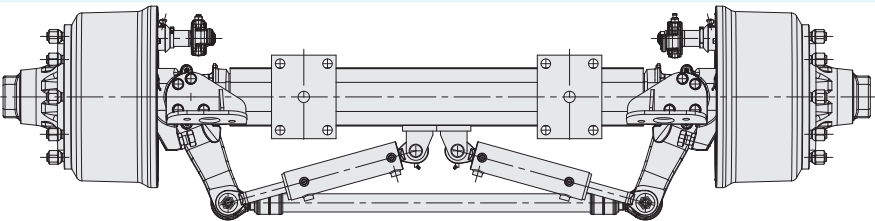
Ride heights of the single modules GS 11 000 (FH [mm])				
Wheel base (Spring)	SLO		SLU	
Support height	without plate	with plate	without plate	with plate
184	414-439	421-454	-	-
268	474-523	480-538	217-267	224-282
302	-	-	230-301	237-316
370	-	-	283-369	290-384

Ride heights of the single modules GS 12000 / GS 14000 (FH [mm])				
Wheel base (Spring)	SLO		SLU	
Support height	without plate	with plate	without plate	with plate
184	430-455	435-470	-	-
268	488-538	495-553	175-252	182-267
302	-	-	215-286	222-301
370	-	-	268-351	275-370

Product variations

		GSSLU/O 11000	GSSLU/O 12000	GSSLU/O 14000	Comments
Tandem	Single module	✓	✓	✓	
	AGRO FlexModul		✓		
	L-Frame		✓		
	individual Frame	✓	✓	✓	
	AGRO FlexFrame		✓		See further options
3-axle unit (Tridem)	Single module	✓	✓	✓	
	AGRO FlexModul		✓		
	L-Frame		✓		
	individual Frame	✓	✓	✓	
	AGRO FlexFrame		✓		See further options
4-axle unit (Quadrem)	Single module		✓		

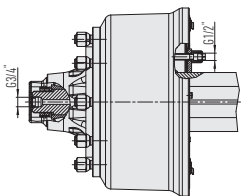
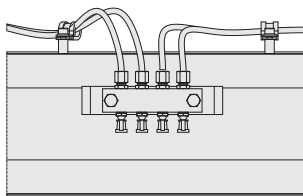
Options

Steering axles	
GSLA Self-steering axle with self-steering	
GSLL AGRO Turn with self-steering or with force steering	
GSL Force-steering axle with force steering	

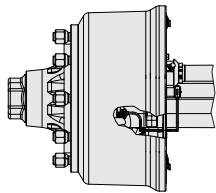
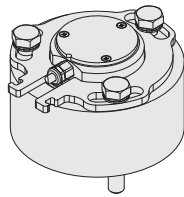
		Tandem		
Versions		GSSLU/O(L/LA) 11000	GSSLU/O(L/LL) 12000	GSSLU/O(L/LL) 14000
rigid	GSLA self-steering axle	✓		
rigid	GSL – AGRO Turn		✓	✓
rigid	GSL self-steering axle		✓	✓
rigid	GSL force-steering axle	✓	✓	

3-axle unit (Tridem)					
Versions			GSSLU/O(L/LA) 11000	GSSLU/O(L/LL) 12000	GSSLU/O(L/LL) 14000
GSLA self-steering axle	rigid	GSLA self-steering axle	✓		
GSL – AGRO Turn	rigid	GSL – AGRO Turn		✓	✓
GSL self-steering axle	rigid	GSL self-steering axle		✓	✓
GSL force-steering axle	rigid	GSL force-steering axle	✓	✓	

4 axle unit (Quadrem)		
Versions	GSSLU/OLL 12000	Comment
GSL – AGRO Turn with electric force-steering	✓	Further consultation is necessary

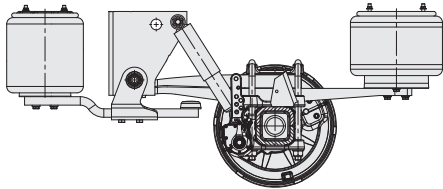
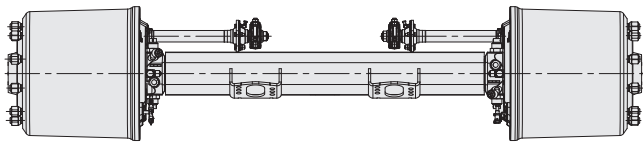
Preparation for central tyre inflation system (CTIS)	Central lubrication system
	

	Versions			Comment
	GSSLU/O 11000	GSSLU/O 12000	GSSLU/O 14000	
CTIS	✓	✓	✓	
Central lubrication system	✓	✓	✓	for specific lubrication points further consultation is necessary

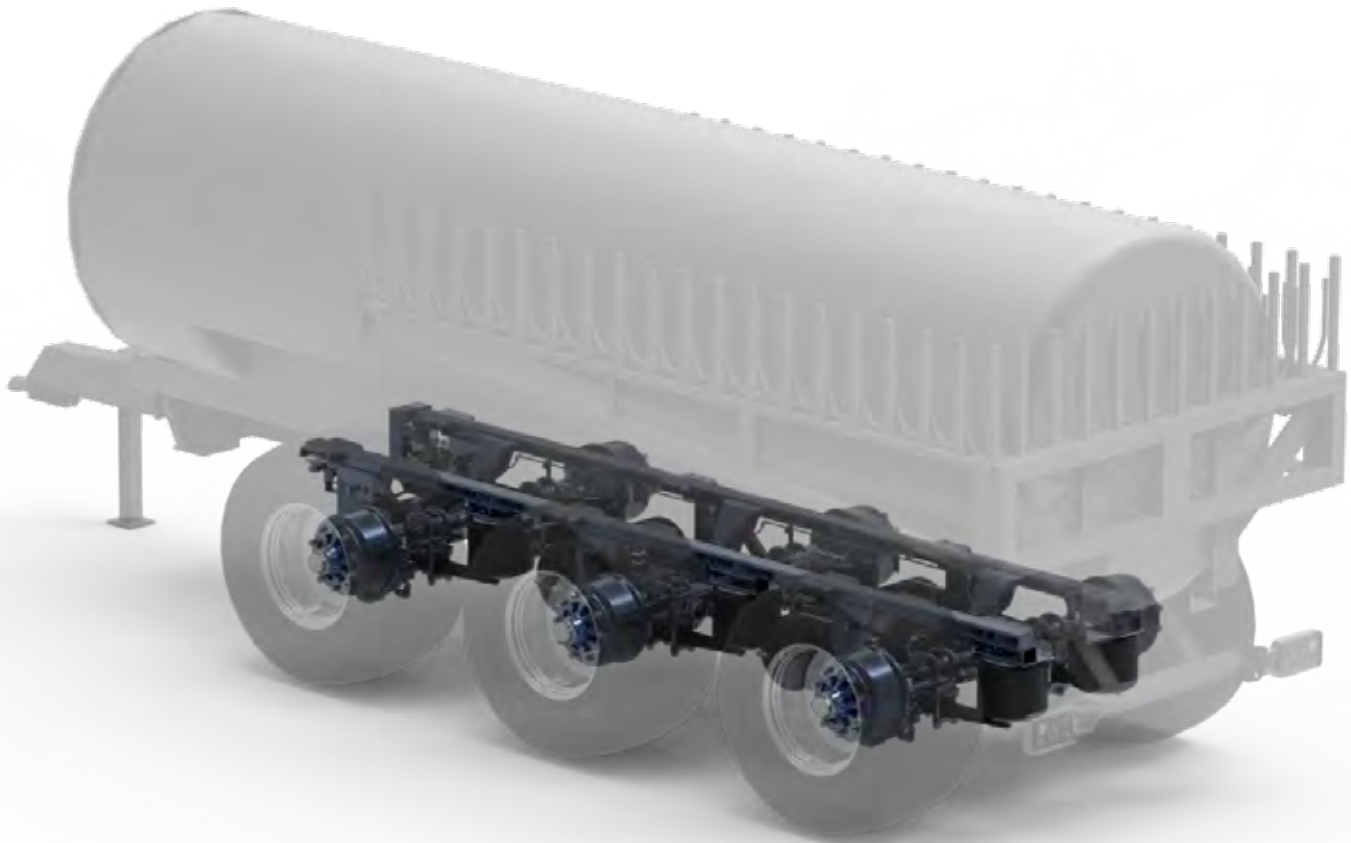
Wheel sensors	Integrated steering angle sensor
	

	Versions		
	GSSLU/O 11000	GSSLU/O 12000	GSSLU/O 14000
ABS sensor*	✓	✓	✓
SDS sensor*	✓	✓	✓
Steering angle sensor	✓	✓	✓

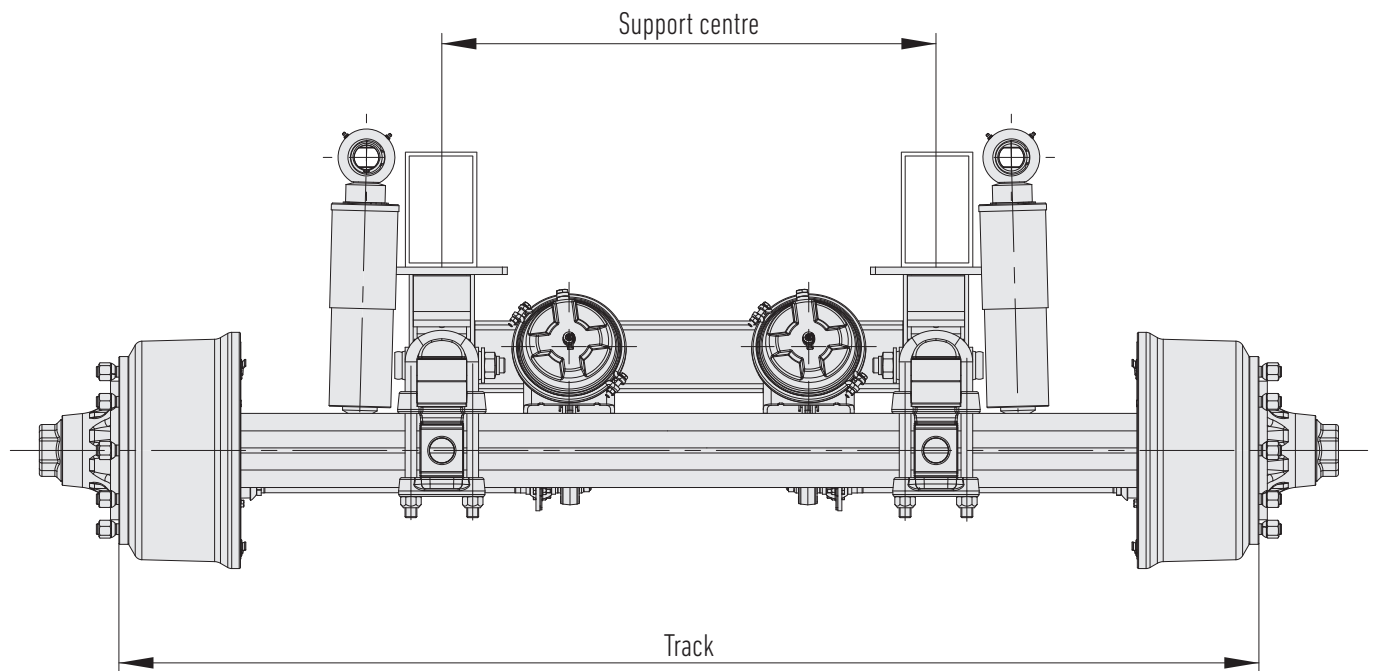
*Sensor descriptions can be found on page 22

Lift axle	AGRO Drive
	

	Versions			Comment
	GSSLU/O 11000	GSSLU/O 12000	GSSLU/O 14000	
Lift axle	✓	✓	✓	
AGRO Drive		✓		for specific lubrication points further consultation is necessary



BPW Solutions for Hydropneumatic suspension units



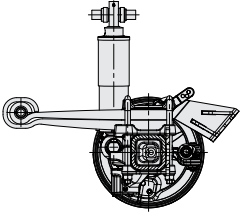
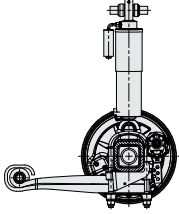
Designation of the individual modules								
Type	Axle cross section [mm]	Brake	Wheel connection			Static suspension unit load [kg]*		
			Z	Ø X [mm]	Ø Y [mm]	40 km/h	60 km/h	
GS0H 11010	 120x15	FL 4112	10	M22 x 1,5	280	335	10.000	9.000
GS0H 12010	 150x16	FL 4118	10	M22 x 1,5	280	335	13.000	12.000
GS0H 14010	 150x16	FL 4118	10	M22 x 1,5	280	335	14.000	14.000
GS0H 14010	 150x20	FL 4118	10	M22 x 1,5	280	335		

*Suspension unit load depends on the ratio of the track and support centre, and on the tyres.

Other design dimensions

	GS0H 11000	GS0H 12000	GS0H 14000
Track	1.700-2.300 mm in 50 mm increments. Other dimensions are available on request		
Support centre	On request		

Spring mounting	
Spring mounted upon the axle FO	
Spring mounted below the axle FU	

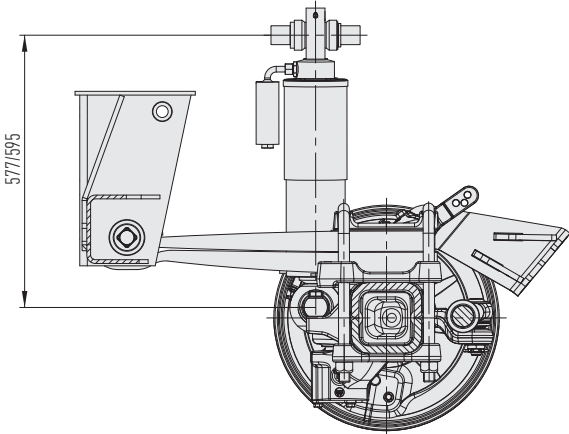
Cylinder position	
HP cylinder in front of the axle*	
HP cylinder on the axle*	

*Further technical consultation is necessary.

Ride heights of the single modules GSOH 11 000 (FH [mm])				
Wheel base (Spring)	F0		FU	
Support height	without plate	with plate	without plate	with plate
184	366	351	-	-
268	420	435	-	-
302	-	-	-	-
370	-	-	-	-

Ride heights of the single modules GSOH 12 000 (FH [mm])				
Wheel base (Spring)	F0		FU	
Support height	without plate	with plate	without plate	with plate
184	356	371	-	-
268	440	455	-	-
302	474	489	194	209
370	-	-	262	277

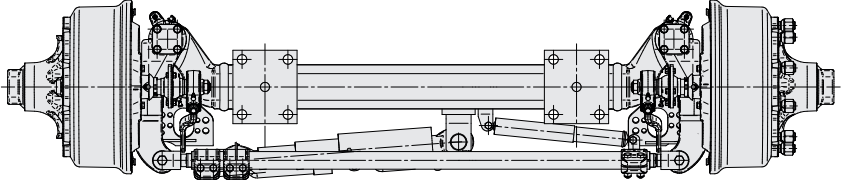
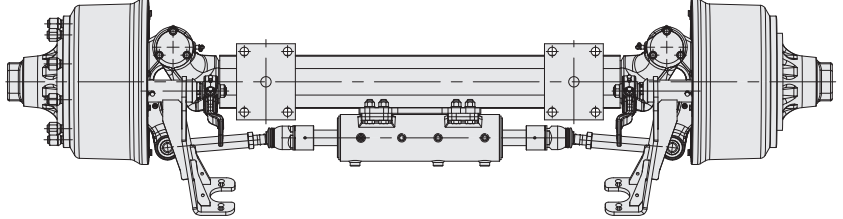
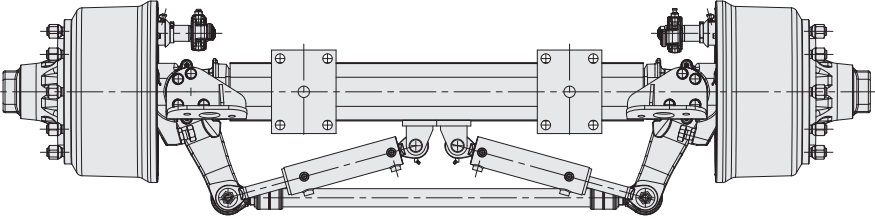
Ride heights of the single modules GSOH 14 000 (FH [mm])				
Wheel base (Spring)	F0		FU	
Support height	without plate	with plate	without plate	with plate
184	378	393	-	-
268	462	477	-	-
302	-	-	172	187
370	-	-	240	255

Cylinder installation dimension	
577 mm HUB: 185 mm	
595 mm HUB: 210 mm	

Product variations

		GS0H 11000	GS0H 12000	GS0H 14000	Comments
Tandem	Single module	✓	✓	✓	
	AGRO FlexModul		✓		
	L-Frame		✓		
	individual Frame	✓	✓	✓	
	AGRO FlexFrame		✓		See further options
3-axle unit (Tridem)	Single module	✓	✓	✓	
	AGRO FlexModul		✓		
	L-Frame		✓		
	individual Frame	✓	✓	✓	
	AGRO FlexFrame		✓		See further options
4-axle unit (Quadrem)	Single module		✓		

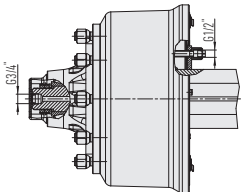
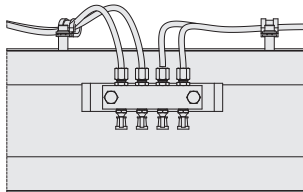
Options

Steering axles	
GSLA Self-steering axle with self-steering	
GSLL AGRO Turn with self-steering or with force-steering	
GSL Force-steering axle with force-steering	

		Tandem		
Versions		GS0H(L/LA) 11000	GS0H(L/LL) 12000	GS0H(L/LL) 14000
rigid	GSLA self-steering axle	✓		
rigid	GSLL – AGRO Turn		✓	✓
rigid	GSLL self-steering axle		✓	✓
rigid	GSL force-steering axle	✓	✓	

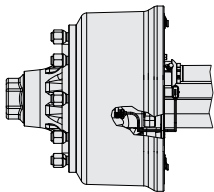
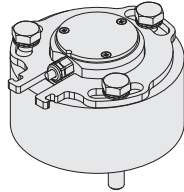
3-axle unit (Tridem)					
Versions			GSOH(L/LA) 11000	GSOH(L/LL) 12000	GSOH(L/LL) 14000
GSLA self-steering axle	rigid	GSLA self-steering axle	✓		
GSLL – AGRO Turn	rigid	GSLL – AGRO Turn		✓	✓
GSLL self-steering axle	rigid	GSLL self-steering axle		✓	✓
GSL force-steering axle	rigid	GSL force-steering axle	✓	✓	

4-axle unit (Quadrem)		
Versions	GSOHLL 12000	Comment
GSLL – AGRO Turn with electric force-steering	✓	Further consultation is necessary

Preparation for central tyre inflation system (CTIS)	Central lubrication system
	

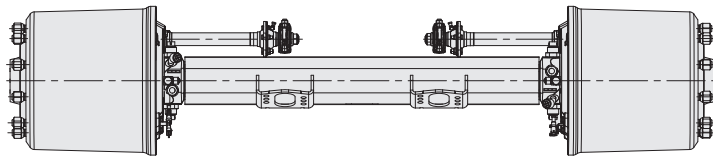
	Versions			Comment
	GSOH 11000	GSOH 12000	GSOH 14000	
CTIS	✓	✓	✓	
Central lubrication system	✓	✓	✓	for specific lubrication points further consultation is necessary



Wheel sensors	Integrated steering angle sensor
	

	Versions		
	GSOH 11000	GSOH 12000	GSOH 14000
ABS sensor*	✓	✓	✓
SDS sensor*	✓	✓	✓
Steering angle sensor	✓	✓	✓

*Sensor descriptions can be found on page 22

AGRO Drive


	Versions			Comment
	GSOH 11000	GSOH 12000	GSOH 14000	
AGRO Drive		✓		Further consultation is necessary

Control options

e-HP active and electronic suspension control

Basic control

Ride heights depend on the change of the suspension load. No level-control of the system. This solution can be used as a dual circuit or a cross circuit.

System components: Hydraulic accumulator; oil reservoir

Standard system

The riding height is always the same, under loaded or unloaded driving conditions. The system checks the current position via angle sensors and equalises any changes by a respective re-adjustment of the oil level via the hydraulics. This solution is only compatible with cross circuit.

System components: Hydraulic accumulator; angle sensor; control block and controller

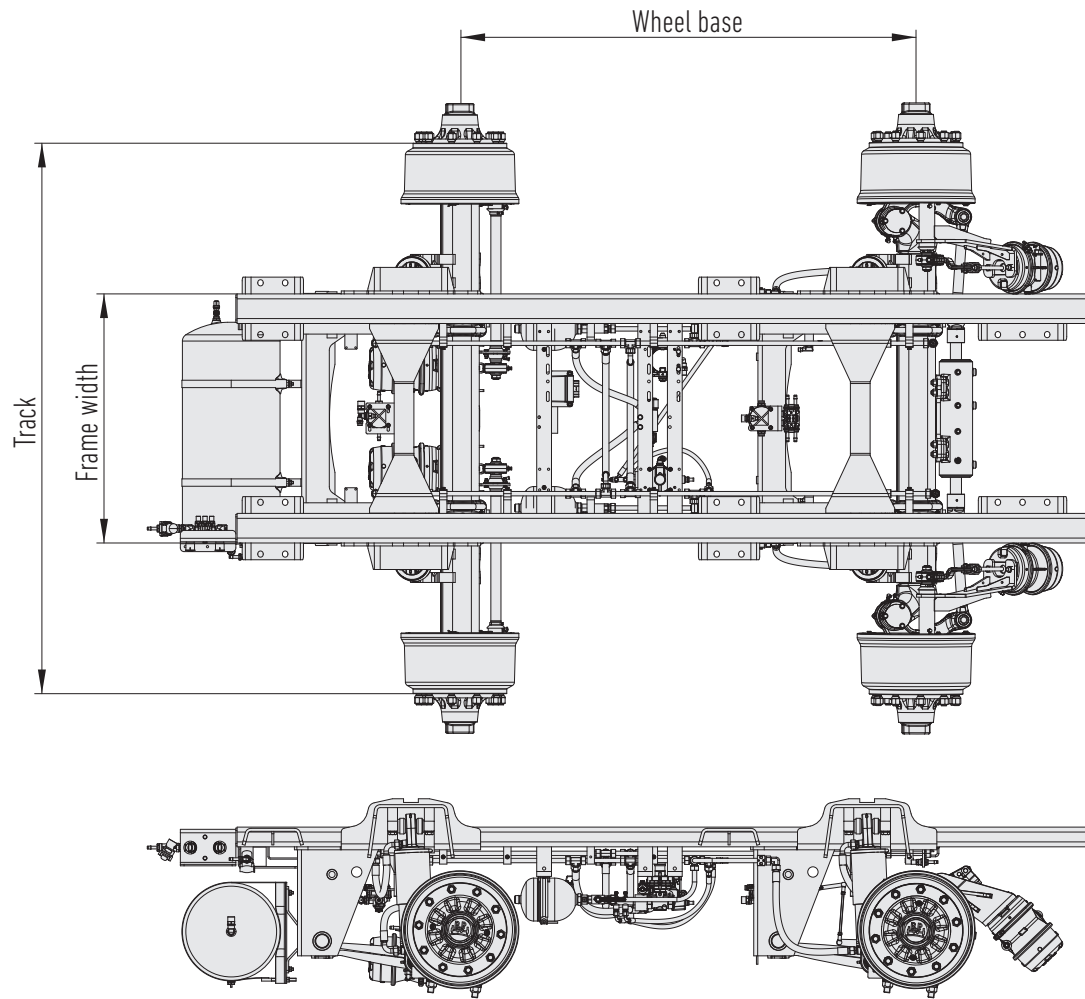
Premium system

The riding height is always the same, under loaded or unloaded driving conditions. The system checks the current position via angle sensors and according to this position, readjusts the oil level in the hydraulic system and thus the ride height. This solution is only compatible with cross circuit.

In the case of a tridem vehicle, the first axle can be controlled as lift axle. In the case of a tandem vehicle, this is only possible if the rear axle is a rigid axle. If the pressure in the system is too high, the axle lifting function is switched off automatically. With the starting aid function, the solution is possible for a tandem or tridem suspension unit.

System components: Hydraulic accumulator; angle sensor; control block and controller; valve for the traction assist; operating terminal

AGRO FlexFrame



Suspension	Type	Axle cross section [mm]	Brake	Static suspension load	Track [mm]	Wheel base [mm]	Frame width [mm]
				40 km/h			
Air	Tandem	150x16	FL 4118	24.000	2.225	1.850	1.010
Air	Tandem	150x16	FL 4118	24.000	2.200	1.850	1.010
Air	Tandem	150x16	FL 4118	24.000	2.100	1.850	835
HP	Tandem	150x16	FL 4118	24.000	2.225	1.850	1.010
HP	Tandem	150x16	FL 4118	24.000	2.200	2.000	970
HP	Tandem	150x16	FL 4118	24.000	2.100	2.000	870
Air	Tridem	150x16	FL 4118	36.000	2.200	1.850	970
HP	Tridem	150x16	FL 4118	36.000	2.200	1.850	970

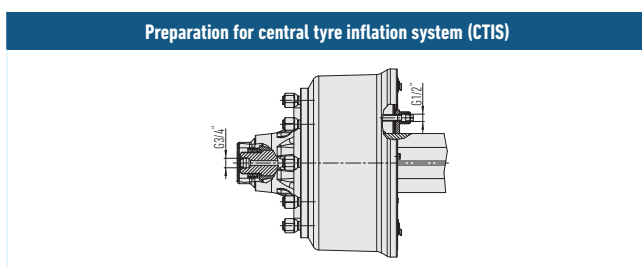
Options

Control for air suspension	
Without	-
Basic	Air spring valve
Traction assist	Air spring valve, solenoid valve, operating terminal
Lifting and lowering	Air spring valve, solenoid valve, rotary slide valve

Control for HP suspension	
Without	-
HP-Basic	Hydraulic accumulator, oil reservoir
eHP Standard	Hydraulic accumulator, angle sensor, control block and controller
eHP Premium	Hydraulic accumulator, angle sensor, control block and controller, valve for traction assist, operating terminal

Brake system	
Without	Without brake system and brake cylinder
Conventional	Brake system and tristop cylinder
EBS	EBS-system with tristop cylinder and AGS, EBS-option must always be checked

Electronic force steering system	
Without	-
Preparation only	SDS sensor and ABS sensor with exciter ring 100 teeth on the rigid axle and ME steering angle sensor
With	Valve block, steering computer with die-cast housing and cable, heavy-duty angle encoder, adapter cable, diaphragm pressure switch and operating terminal



Wheel sensors

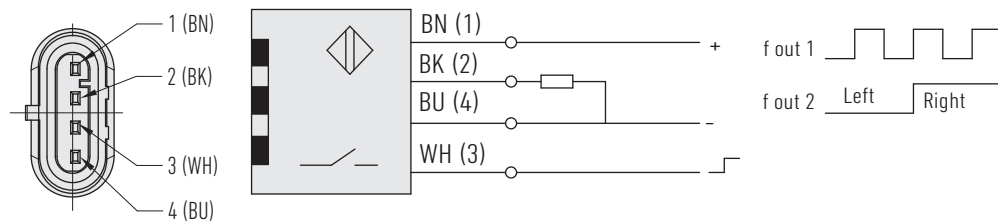
ABS

The anti-lock brake system (ABS) ensures a shorter braking distance, the best possible drive stability and steering properties - for tractors and trailers. Heavy braking is carried out without the wheels blocking which reduces tyre wear. High ABS functional reliability thanks to positioning the sensor in the bend neutral axle centre, no change of air gap at variable axle load.

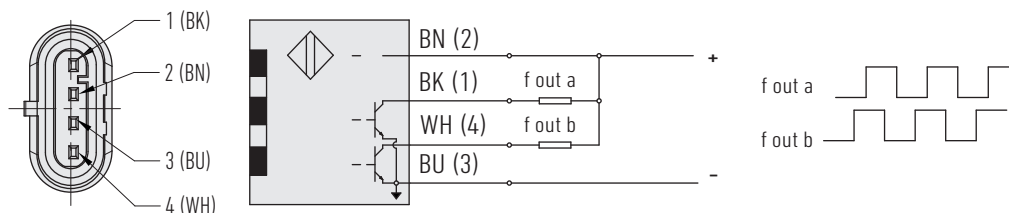
SDS

The speed sensor with recognition of rotating direction is a product developed by BPW. It is an important element of the electronic forced steering system. The sensor signal can also be used for the optimisation of application rates. The to the requirements adapted sensor bracket protects the sensor against twisting. This offers a higher functional reliability.

Type PNP: separate channels for speed and direction of rotation



Type NPN: direction of rotation should be detected by software technology



SDS technical specifications

	PNP	NPN
Output	4 wire PNP pulse output	4 wire NPN 2 channel with phase shift
Operating voltage	10–30 VDC	
Voltage drop	≤ 2,4 V	≤ 0,4 V
Maximum load current	200 mA	
No-load current	≤ 30 mA	
Usable switching frequency	5.000 Hz	
EMC durability	according to DIN EN 60947-5-2 2008-08	
Protection class	IP 67 according to DIN EN 60529	
Type of connection	400 mm cable with Superseal 4-pin	400 mm cable with Superseal 4-pin*

*Cable marked with yellow shrink hose.

Sensor matrix for rigid axle

Left	Right	Code
Z100 + ABS	0	A
Z100 + SDS	0	B
Z100 + ABS	Z100 + ABS	C
Z100 + SDS	Z100 + ABS	D
Z100 + SDS	Z100 + SDS	E
Z120 + ABS	0	F
Z120 + ABS	Z120 + ABS	G

Other options on request.

Sensor matrix for steering axle

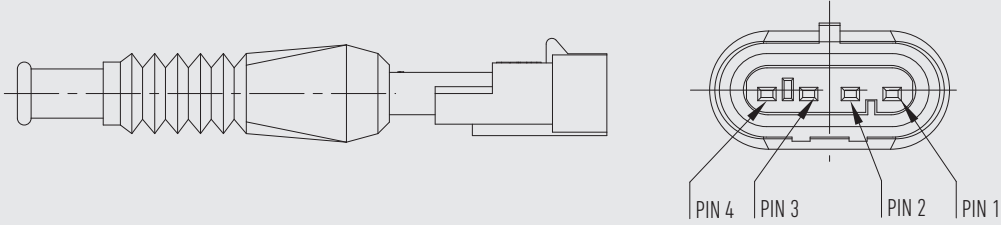
Left	Right	Code
Z100 + SDS	0	A
Z100 + SDS	Z100 + SDS	B
Z100 + ABS	Z100 + ABS	C
Z120 + ABS	Z120 + ABS	D
Z100 + SDS + ABS	Z100 + SDS + ABS	E
Z120 + SDS + ABS	Z120 + SDS + ABS	F

Other options on request.

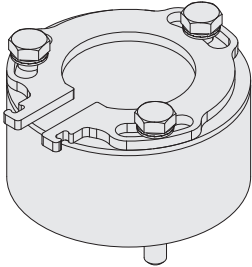
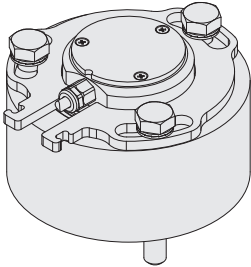
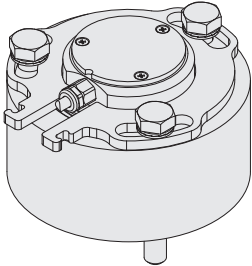
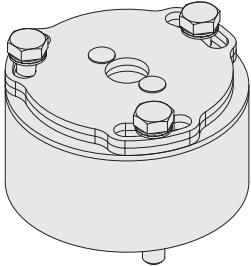
Adapter for steering angle sensor

Installation options for ME sensors

- Simple adjustment
- Pre-set sensor
- "Ready to use" in combination with the electronic steering system from the company ME - Mobil Elektronik

	With voltage output	With current output		
Voltage supply	9–34 V			
Current consumption	max. 25 mA	max. 60 mA		
Output range	0,25–4,75 V	4–20 mA		
Measuring range	2x 70 ° (0°± 35 ° for 2,5 V ± 2,25 V)	2x 70°(0°± 35 ° for 12 mA ± 8 mA)		
Repeat precision	≤ 0,1 % in case of play-free and central positioning on the installation side	<0,2 % of the measuring range with play-free and central bearing equipped		
Temperature range	-30— +80 °C			
Cable length	2,0 m	0,3 m		
Housing	IP6K6K/IP6x8 (1 m; 12 h)/IP6K9K			
Plug connection	IP6K6K/IPx7/IPx9K when plugged in			
Superseal				
PIN assignment	PIN 1	+UB	PIN 1	GND
	PIN 2	OUT A	PIN 2	+UB
	PIN 3	OUT B	PIN 3	OUT A
	PIN 4	GND	PIN 4	OUT B

Sensor matrix for the steering wheel sensor

Code	Description	Figure	Code	Description	Figure
1	Adapter for ME sensor (without sensor)		3	ME sensor installed (current output)	
2	ME - sensor installed (voltage output)		4	Adapter for ELOBAU sensor (without sensor, the adapter is compatible with various ELOBAU steering angle sensors)	



The brands of the BPW Group:



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