



	Ride height FH (mm)	Brake type				
		TS2 4309	TS2 3709	SN 4218		
EA	205 - 510 mm	Sheet 1a			Standard air bags	
			Sheet 1b			
						Sheet 1c
	250 - 510 mm	Sheet 2a			Long stroke air bags 36-1	
			Sheet 2b			
						Sheet 2c
	210 - 490 mm	Sheet 3a			Combi air bags	
			Sheet 3b			
						Sheet 3c
Two-sided lifting device					Sheet 4	
One-sided lifting device					Sheet 5	

[illegible]



Suspension to drawing EA Sheet No.	Line	Weight of air suspension	Axle weights								
			Weight variations are within the permitted DIN tolerances for the production process, given in kg.								
			Type ¹⁾ SRBF 9010			Type ²⁾ SKRBF 9010			Type ³⁾ RSF 9010		
			Track 2040	Track 2095	Track 2140	Track 2040	Track 2095	Track 2140	Track 2040	Track 2100	Track 2140
1a 1b 1c	1	134 ^{5) 7)}	290	292	293	276	278	279	301	303	304
	2	134 ^{4) 6)}									
	3	131 ^{5) 7)}									
	4	131 ^{4) 6)}									
	5	133 ^{4) 6)}									
	6	133 ^{5) 7) 9)}									
	7	133 ^{4) 6) 9)}									
	8	138 ^{4) 6) 9)}									
	9	139 ^{4) 6) 9)}									
	10	139 ^{4) 6) 9)}									
2a 2b 2c	1	157 ⁸⁾	290	292	293	276	278	279	301	303	304
	2	156 ⁸⁾									
	3	157 ⁸⁾									
	4	157 ^{8) 9)}									
	5	162 ^{8) 9)}									
3a 3b 3c	1	143	290	292	293	276	278	279	301	303	304
	2	143									
	3	150									
	4	144									
	5	148									
	6	148 ⁹⁾									
	7	150 ⁹⁾									
	8	150 ⁹⁾									
	9	150 ⁹⁾									
4	Two-sided lifting device = 23 kg										
5	Onesided lifting device = 21 kg										

Additional weight per axle

1) without ABS, without dust cover. Additional weight ABS 0.3 kg, dust cover 2.8 kg

2) without ABS, without dust cover. Additional weight ABS 0.3 kg, dust cover 2.3 kg

3) without ABS, with dust cover. Additional weight ABS 0.8 kg

Sheet 1a, 1b, 1c

Weight mit central screwed air bag, offset V = 20

4) Additional weight air bag 30 mit Universal screwed joint, offset V 0/20/60 = 4.2 kg

5) Additional weight air bag 30K mit Universal screwed joint, offset V 0/20/60 = 3.7 kg

6) Additional weight air bag 36 offset V 45/80 = 9.1kg

7) Additional weight air bag 36K offset V 45/80 = 8.8 kg

Sheet 2a, 2b, 2c

Weight with air bag 36-1, offset V = 80

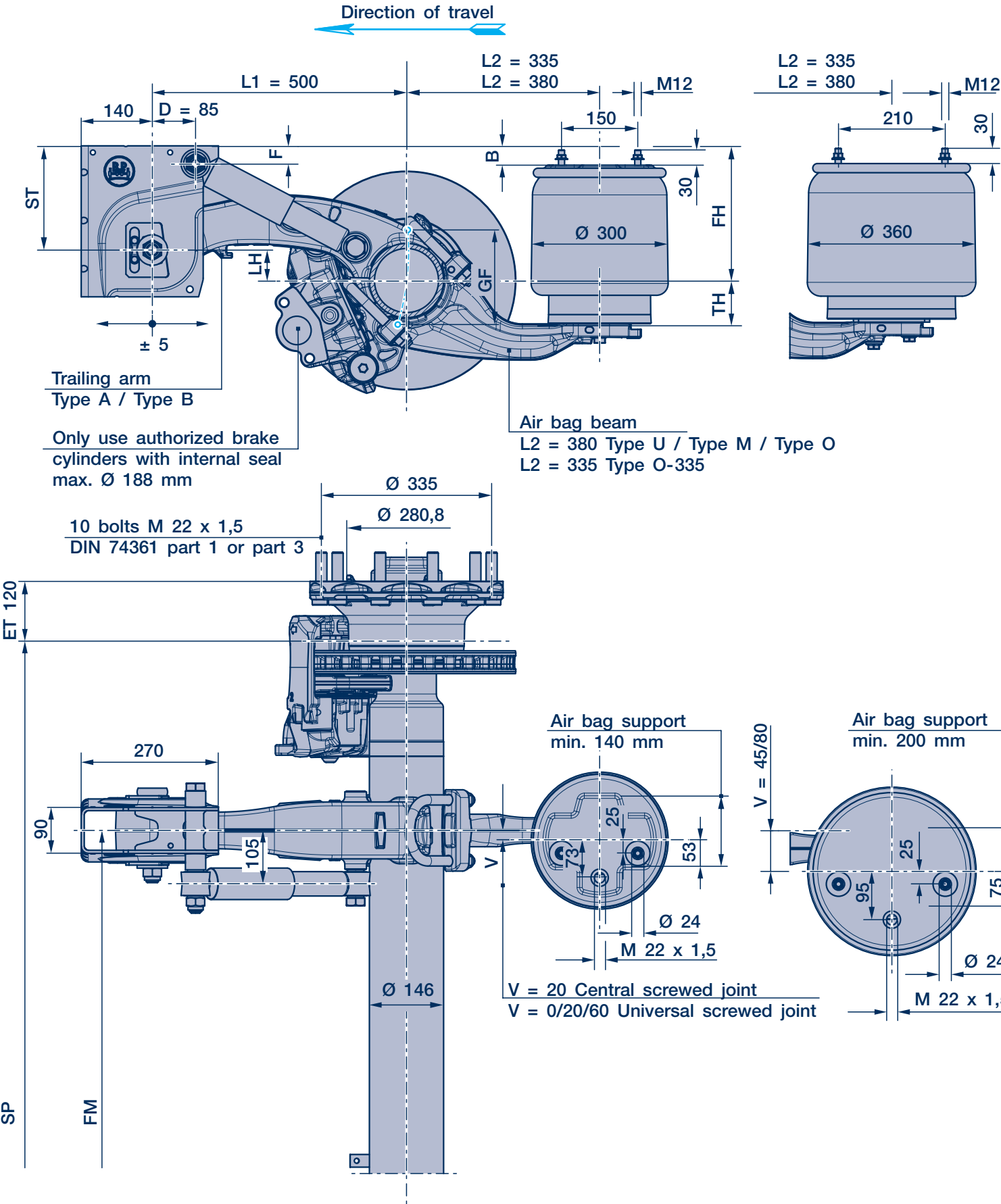
8) Additional weight air bag 36-1 offset V 45/80 = 3.4 kg

9) Sheet 1a-c, 2a-c, 3a-c

Weight with air bag beam O-335 (L2=335)

Additional weight air bag beam O (L2=380) = 1,9 kg

Determing the total weight	
	Air suspension parts
+	axle
+	additional weight
=	Total weight



Line	Series EA..	Adjustable ride height FH					Total spring travel GF ¹⁾	Air bag type BPW	Shock absorber (reinforced) 02.37 ...	Trailing arm		Air bag beam		Hanger bracket		Packer B ²⁾
		for single axles	for axle units	min. FH with axle raised	empty without air	loaded without air				LH	Typ	TH	Typ	ST	F	
1	AU	205-255	215-255	245	145	130	190	30K / 36K	...22.79.02 (...32.05.02)	60	A	155	U	205	35	0
2		235-305	245-305	275	175	160	220	30 / 36								
3	AM	245-295	255-295	285	185	170	190	30K / 36K	...22.89.02 (...32.07.02)	60	A	85	M	205	35	0
4		275-345	285-345	315	215	200	220	30 / 36								
5	BM	300-370	310-370	340	240	225	220	30 / 36	...22.83.02 (...22.04.02)	130	B	-10	O O-335	290	67	40
6		330-380	340-380	370	270	255	190	30K / 36K								
7	BO	360-425	370-425	400	300	285	220	30 / 36	...22.88.02 (...32.06.02)	130	B	-10	O O-335	290	67	40
8		390-460	400-460	430	330	315	220	30 / 36								
9		415-485	425-485	455	355	340	220	30 / 36								
10		450-510	460-510	490	390	375	220	30 / 36								100

¹⁾ Lifting heights acc. to TD-1242.0
²⁾ The packer is not included in supplied package.

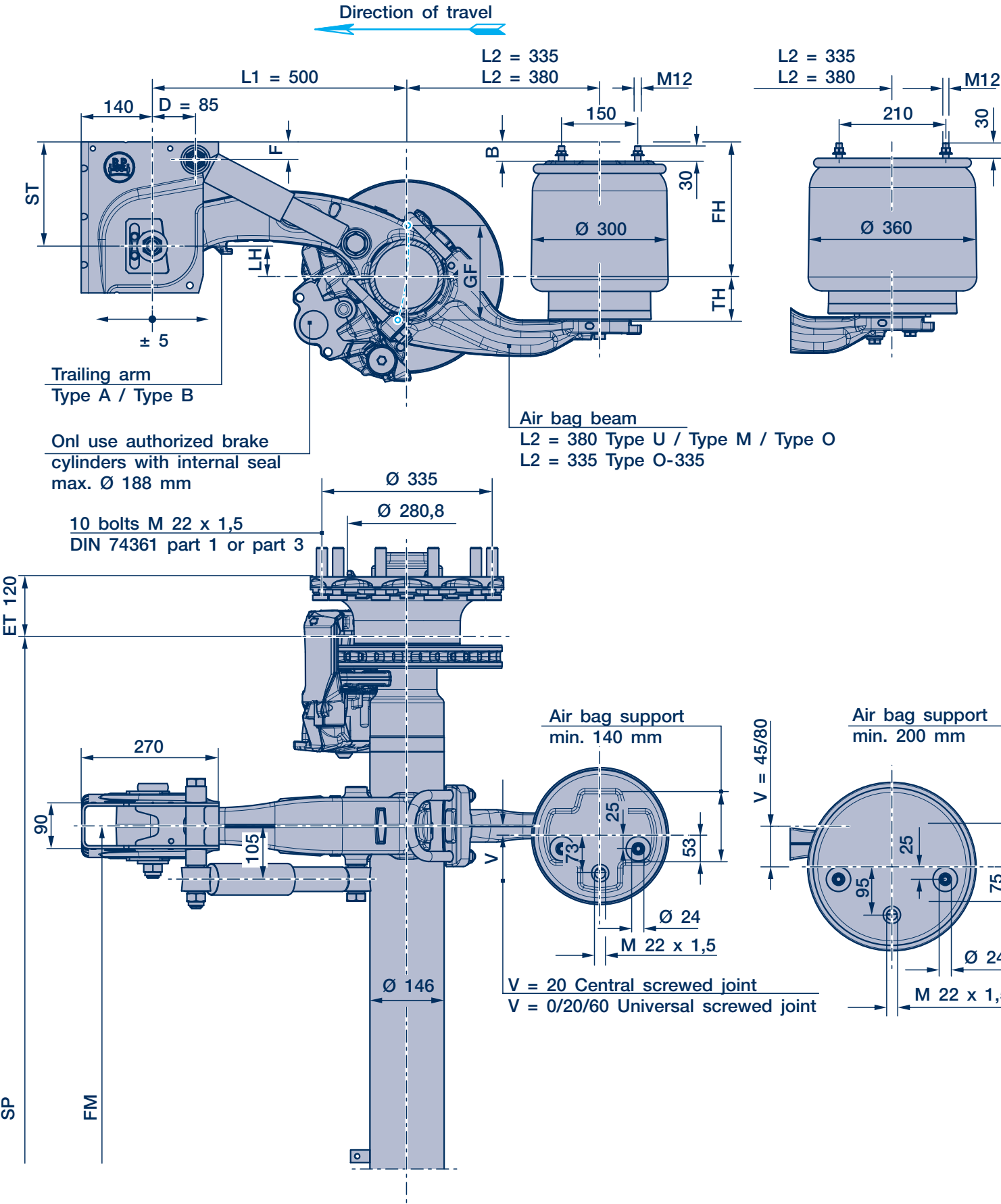
Axle type	Track SP	Spring centre FM	Tyres recommended	Height of centre of gravity ³⁾
SRBF 9010	2040	1200	385/65 R22.5 385/55 R22.5	2500
	2095	1300		2700
	2140	1400		2850

³⁾ Calculation reference: 0.4 g acceleration at right angles, side tilt body approx. 3.5° without taking account the tipping limit and tyre damping.

- Max. inclination angle of the semitrailer under full load and lowest adjustable ride height ±1°
- Bag pressures acc. to TE-1188.0 sheet 15 (30/30K), sheet 11 (36/36K)
- The hanger brackets, air bag supports and the frame must be reinforced so that the forces applied can be absorbed. See the current BPW installation instructions.

Example name SKRBFEEAU 9010 V30K

SRBF	EAAU	9010	V	30K
Axle type	Series Air suspension	Axle type	Hanger bracket, adjustable	Air bag type



Line	Series EA..	Adjustable ride height FH					Total spring travel GF ¹⁾	Air bag type BPW	Shock absorber (reinforced) 02.37..	Trailing arm		Air bag beam		Hanger bracket		Packer B ²⁾
		for single axles	for axle units	min. FH with axle raised	empty without air	loaded without air				LH	Typ	TH	Typ	ST	F	
1	AU	205-255	215-255	245	145	130	190	30K / 36K	...22.79.02 (...32.05.02)	60	A	155	U	205	35	0
2		235-305	245-305	275	175	160	220	30 / 36								
3	AM	245-295	255-295	285	185	170	190	30K / 36K	...22.89.02 (...32.07.02)			85	M			
4		275-345	285-345	315	215	200	220	30 / 36								
5	BM	300-370	310-370	340	240	225	220	30 / 36	...22.83.02 (...22.04.02)			-10	O O-335			
6		330-380	340-380	370	270	255	190	30K / 36K								
7	BO	360-425	370-425	400	300	285	220	30 / 36	...22.88.02 (...32.06.02)					290	67	40
8		390-460	400-460	430	330	315	220	30 / 36								
9		415-485	425-485	455	355	340	220	30 / 36								
10		450-510	460-510	490	390	375	220	30 / 36								100

¹⁾ Lifting heights acc. to TD-1242.0
²⁾ The packer is not included in supplied package.

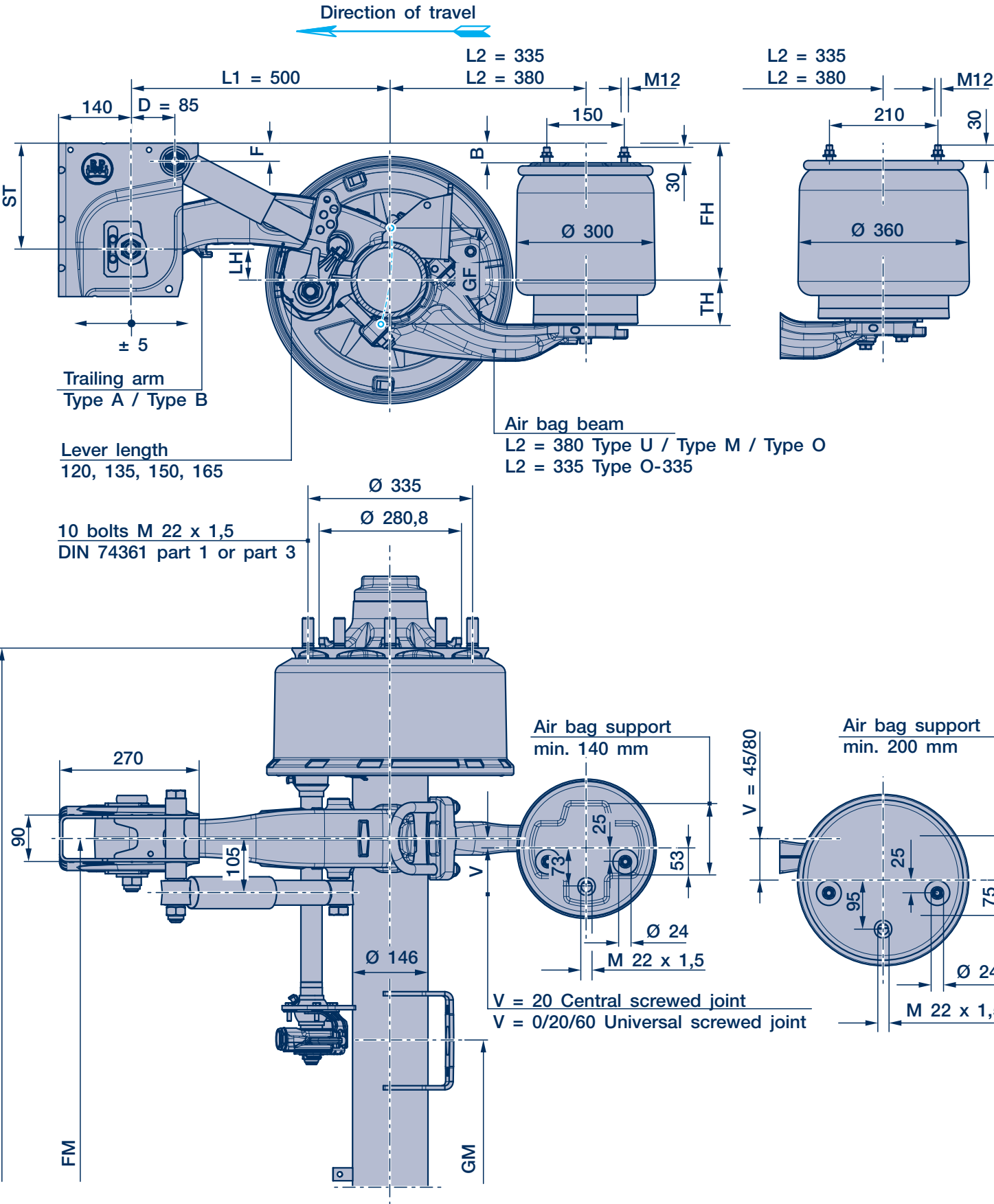
Axle type	Track SP	Spring centre FM	Tyres recommended	Height of centre of gravity ⁵⁾
SKRBF 9010	2040	1200	385/65 R22.5	2500
	2095	1300	385/55 R22.5	2700
	2140	1400	385/65 R19.5 ³⁾	
			435/50 R19.5 ⁴⁾	2850
			445/45 R19.5 ⁴⁾	

³⁾ The load rating of the tyre entered in the drawing is unrelated to the axle load capacity. It is dependent on the information from the tyre manufacturer.
⁴⁾ Pay attention to the maximum overall width and clearance between air bag and tyres (min. 30 mm).
⁵⁾ Calculation reference: 0.4 g acceleration at right angles, side tilt body approx. 3.5° without taking account the tipping limit and tyre damping.

- Max. inclination angle of the semitrailer under full load and lowest adjustable ride height ±1°
- Bag pressures acc. to TE-1188.0 sheet 15 (30/30K), sheet 11 (36/36K)
- The hanger brackets, air bag supports and the frame must be reinforced so that the forces applied can be absorbed. See the current BPW installation instructions.

Example name SKRBF EAAU 9010 V30K

SKRBF	EAAU	9010	V	30K
Axle type	Series Air suspension	Axle type	Hanger bracket, adjustable	Air bag type



Line	Series EA..	Adjustable ride height FH					Total spring travel GF ¹⁾	Air bag type BPW	Shock absorber (reinforced) 02.37....	Trailing arm		Air bag beam		Hanger bracket		Packer B ²⁾
		for single axles	for axle units	min. FH with axle raised	empty without air	loaded without air				LH	Typ	TH	Typ	ST	F	
1	AU	205-255	215-255	245	145	130	190	30K / 36K	...22.79.02 (...32.05.02)	60	A	155	U	205	35	0
2		235-305	245-305	275	175	160	220	30 / 36								
3	AM	245-295	255-295	285	185	170	190	30K / 36K	...22.89.02 (...32.07.02)	130	B	85	M	290	67	
4		275-345	285-345	315	215	200	220	30 / 36								
5	BM	300-370	310-370	340	240	225	220	30 / 36	...22.83.02 (...22.04.02)			-10	O O-335			40
6	BO	330-380	340-380	370	270	255	190	30K / 36K								
7		360-425	370-425	400	300	285	220	30 / 36								
8		390-460	400-460	430	330	315	220	30 / 36								
9		415-485	425-485	455	355	340	220	30 / 36	...22.88.02							
10		450-510	460-510	490	390	375	220	30 / 36	(...32.06.02)							100

¹⁾ Lifting heights acc. to TD-1242.0
²⁾ The packer is not included in supplied package.

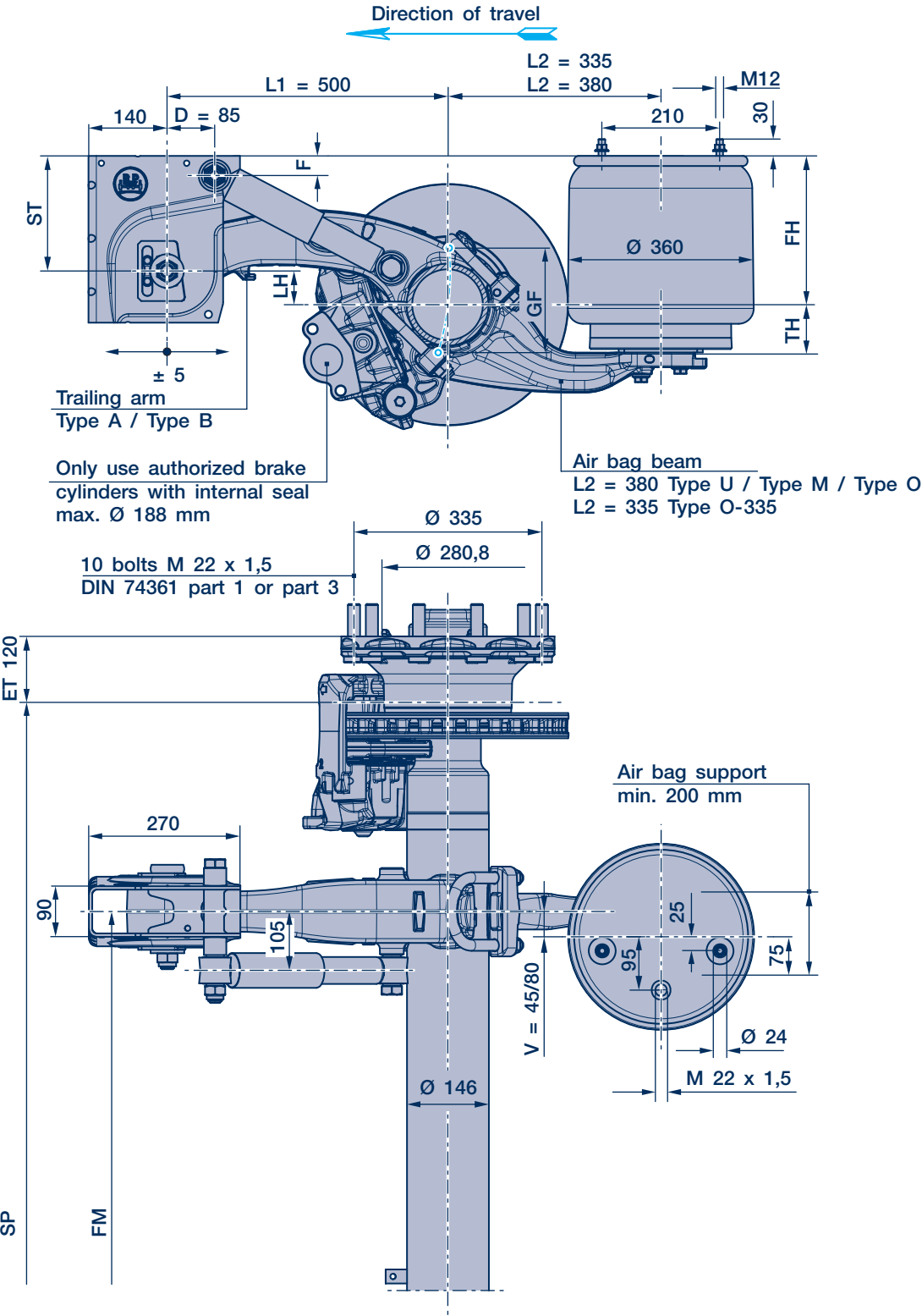
Axle type	Track SP	Spring centre FM	Booster bracket centre GM	Brake cylinder ³⁾	Tyres recommended	Height of centre of gravity ⁴⁾
RSF 9010	2040	1200	401	M / F	385/65 R22.5 385/55 R22.5	2500
	2100	1300	461			2700
	2140	1400	501			2850

³⁾ M = diaphragm cylinder / F = spring brake cylinder
⁴⁾ Calculation reference: 0.4 g acceleration at right angles, side tilt body approx. 3.5° without taking account the tipping limit and tyre damping.

- Max. inclination angle of the semitrailer under full load and lowest adjustable ride height ±1°
- Bag pressures acc. to TE-1188.0 sheet 15 (30/30K), sheet 11 (36/36K)
- The hanger brackets, air bag supports and the frame must be reinforced so that the forces applied can be absorbed. See the current BPW installation instructions.

Example name RSFEAAU 9010 V30K

RSF	EAAU	9010	V	30K
Axle type	Series Air suspension	Axle type	Hanger bracket, adjustable	Air bag type



Line	Series EA..	Adjustable ride height FH					Total spring travel GF ¹⁾	Air bag type BPW	Shock absorber (reinforced) 02.37 ...	Trailing arm		Air bag beam		Hanger bracket	
		for single axles	for axle units	min. FH with axle raised	empty without air	loaded without air				LH	Typ	TH	Typ	ST	F
1	AU	250-350	260-350	290	190	175	260	36-1 ²⁾	...22.89.02 (...32.07.02)	60	A	155	U	205	35
2	AM	290-350	300-350	330	230	215			...22.83.02 (...22.04.02)			85	M		
3	BM	320-425	330-425	360	260	245			...22.88.02 (...32.06.02)	130	B	-10	O O-335	290	67
4	BO	375-425	385-425	415	315	300									
5		410-510	420-510	450	350	335									

¹⁾ Lifting heights acc. to TD-1242.0

²⁾ Stroke limiting is required in vehicles with a lifting and lowering device.

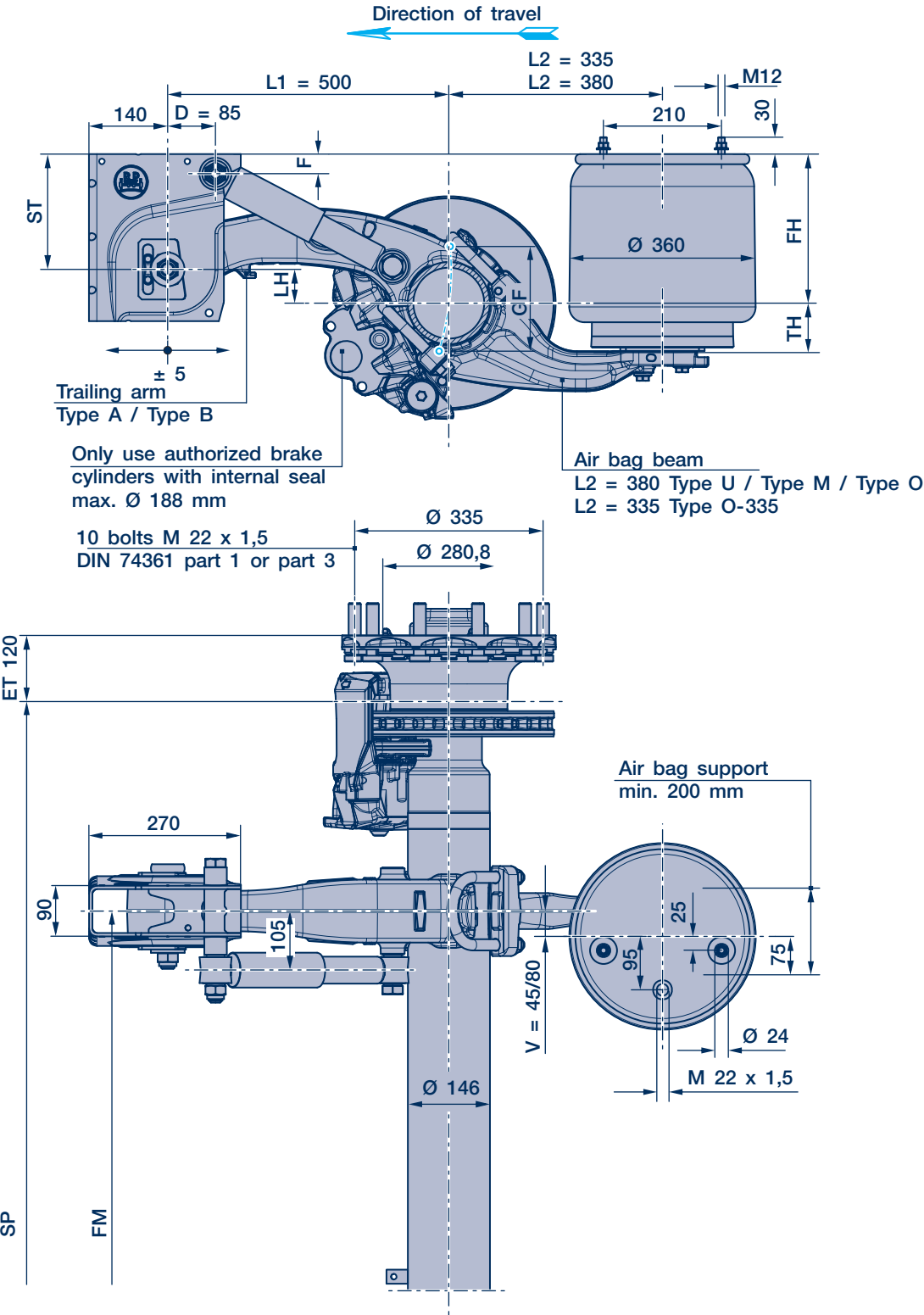
Axle type	Track SP	Spring centre FM	Tyres recommended	Height of centre of gravity ³⁾
SRBF 9010	2040	1200	385/65 R22.5 385/55 R22.5	2500
	2095	1300		2700
	2140	1400		2850

³⁾ Calculation reference: 0.4 g acceleration at right angles, side tilt body approx. 3.5° without taking account the tipping limit and tyre damping.

- Max. inclination angle of the semitrailer under full load and lowest adjustable ride height ±1°
- Bag pressures acc. to TE-1188.0 sheet 11
- The hanger brackets, air bag supports and the frame must be reinforced so that the forces applied can be absorbed. See the current BPW installation instructions.

Example name SRBF³⁾EAAU 9010 V36-1

SRBF	EAAU	9010	V	36-1
Axle type	Series Air suspension	Axle type	Hanger bracket, adjustable	Air bag type



Line	Series EA..	Adjustable ride height FH					Total spring travel GF ¹⁾	Air bag type BPW	Shock absorber (reinforced) 02.37 ...	Trailing arm		Air bag beam		Hanger bracket	
		for single axles	for axle units	min. FH with axle raised	empty without air	loaded without air				LH	Typ	TH	Typ	ST	F
1	AU	250-350	260-350	290	190	175	260	36-1 ²⁾	...22.89.02 (...32.07.02)	60	A	155	U	205	35
2	AM	290-350	300-350	330	230	215			...22.83.02 (...22.04.02)			85	M		
3	BM	320-425	330-425	360	260	245			...22.88.02 (...32.06.02)	130	B	-10	O O-335	290	67
4	BO	375-425	385-425	415	315	300									
5		410-510	420-510	450	350	335									

¹⁾ Lifting heights acc. to TD-1242.0

²⁾ Stroke limiting is required in vehicles with a lifting and lowering device.

Axle type	Track SP	Spring centre FM	Tyres recommended	Height of centre of gravity ⁵⁾
SKRBF 9010	2040	1200	385/65 R22.5	2500
	2095	1300	385/55 R22.5 385/55 R19.5 ³⁾ 435/50 R19.5 ⁴⁾	2700
	2140	1400	445/45 R19.5 ⁴⁾	2850

³⁾ The load rating of the tyre entered in the drawing is unrelated to the axle load capacity. It is dependent on the information from the tyre manufacturer.

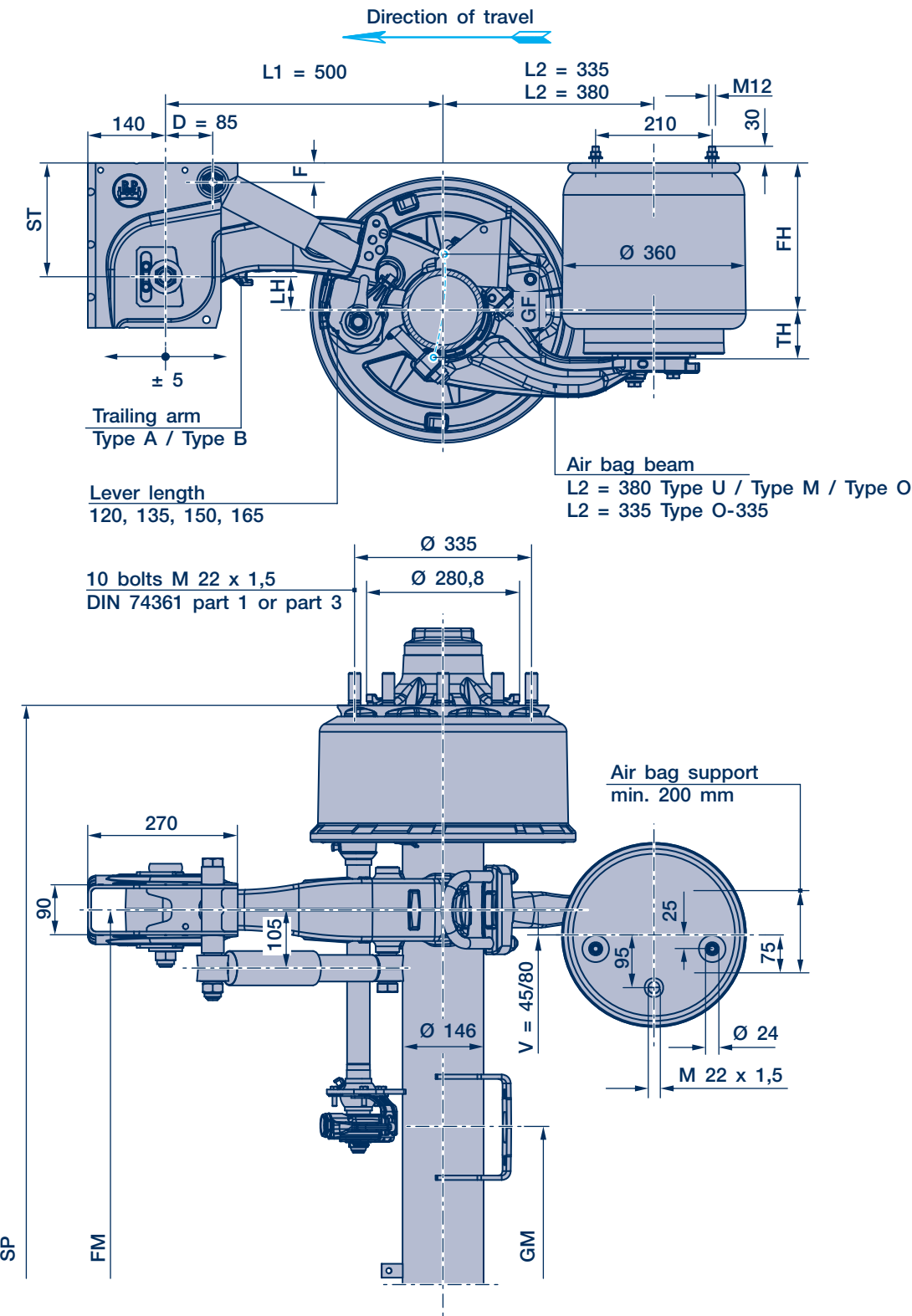
⁴⁾ Pay attention to the maximum overall width and clearance between air bag and tyres (min. 30 mm).

⁵⁾ Calculation reference: 0.4 g acceleration at right angles, side tilt body approx. 3.5° without taking account the tipping limit and tyre damping.

- Max. inclination angle of the semitrailer under full load and lowest adjustable ride height ±1°
- Bag pressures acc. to TE-1188.0 sheet 11
- The hanger brackets, air bag supports and the frame must be reinforced so that the forces applied can be absorbed. See the current BPW installation instructions.

Example name SKRBFEEAU 9010 V36-1

SKRBF	EAAU	9010	V	36-1
Axle type	Series Air suspension	Axle type	Hanger bracket, adjustable	Air bag type



Line	Series EA..	Adjustable ride height FH					Total spring travel GF ¹⁾	Air bag type BPW	Shock absorber (reinforced) 02.37 ...	Trailing arm		Air bag beam		Hanger bracket	
		for single axles	for axle units	min. FH with axle raised	empty without air	loaded without air				LH	Typ	TH	Typ	ST	F
1	AU	250-350	260-350	290	190	175	260	36-1 ²⁾	...22.89.02 (...32.07.02)	60	A	155	U	205	35
2	AM	290-350	300-350	330	230	215			...22.83.02 (...22.04.02)			85	M		
3	BM	320-425	330-425	360	260	245			...22.88.02 (...32.06.02)	130	B	-10	O O-335	290	67
4	BO	375-425	385-425	415	315	300									
5		410-510	420-510	450	350	335									

¹⁾ Lifting heights acc. to TD-1242.0

²⁾ Stroke limiting is required in vehicles with a lifting and lowering device.

Axle type	Track SP	Spring centre FM	Booster bracket centre GM	Brake cylinder ³⁾	Tyres recommended	Height of centre of gravity ⁴⁾
RSF 9010	2040	1200	401	M / F	385/65 R22.5 385/55 R22.5	2500
	2100	1300	461			2700
	2140	1400	501			2850

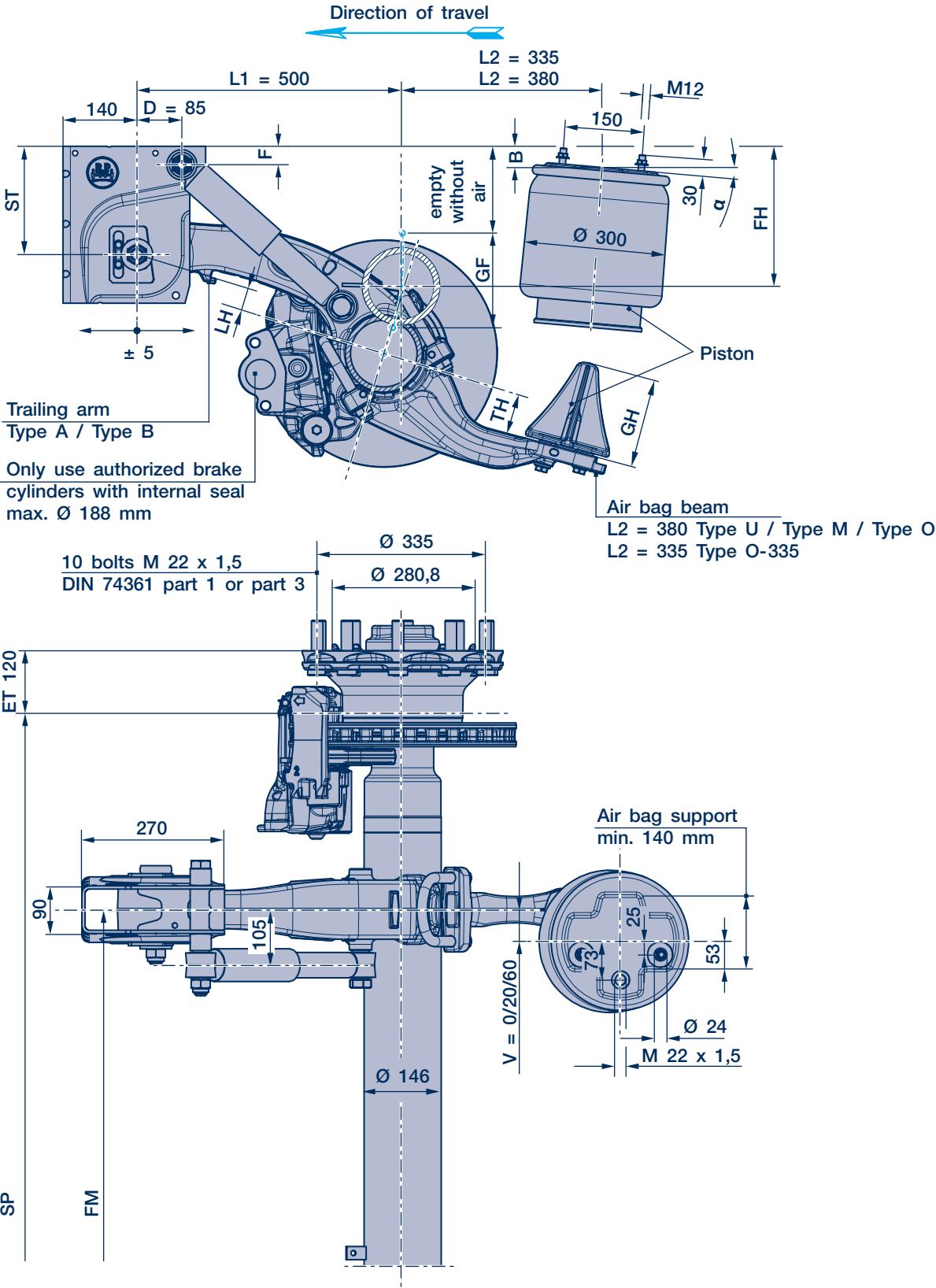
³⁾ M = diaphragm cylinder / F = spring brake cylinder

⁴⁾ Calculation reference: 0.4 g acceleration at right angles, side tilt body approx. 3.5° without taking account the tipping limit and tyre damping.

- Max. inclination angle of the semitrailer under full load and lowest adjustable ride height ±1°
- Bag pressures acc. to TE-1188.0 sheet 11
- The hanger brackets, air bag supports and the frame must be reinforced so that the forces applied can be absorbed. See the current BPW installation instructions.

Example name RSFEAAU 9010 V36-1

RSF	EAAU	9010	V	36-1
Axle type	Series Air suspension	Axle type	Hanger bracket, adjustable	Air bag type



Line	Series EA..	Adjustable ride height FH					Total spring travel GF ¹⁾	Combi air bag		Shock absorber (reinforced) 02.37....	Trailing arm		Air bag beam		Hanger bracket		Packer ²⁾		
		for single axles	for axle units	min. FH with axle raised	empty without air	loaded without air		05.429...	Piston height GH		LH	Typ	TH	Typ	ST	F	B	α	
1	AU	210-260	220-260	250	150	135	190	...42.05.1	135	...22.79.02 (...32.05.02)	60	A	155	U	205	35	0	4,5°	
2		240-290	250-290	280	180	165									55				
3		270-320	280-320	310	210	195									0				
4	BM	300-350	310-350	340	240	225		...42.11.1	180	...22.89.02 (...32.07.02)	130	B	85	M	205	35	0	0	
5	AM	330-370	340-370	370	270	255	180			60	A								40
6	BO	365-415	375-415	405	305	290		...42.05.1	135		130	B			-10	O O-335	290		67
7		390-440	400-440	430	330	315	190							40					
8		415-465	425-465	455	355	340		...42.11.1	180	...22.83.02 (...22.04.02)									
9		450-490	460-490	490	390	375	180							100					

¹⁾ Lifting heights acc. to TD-1242.0
²⁾ The packer is not included in supplied package.

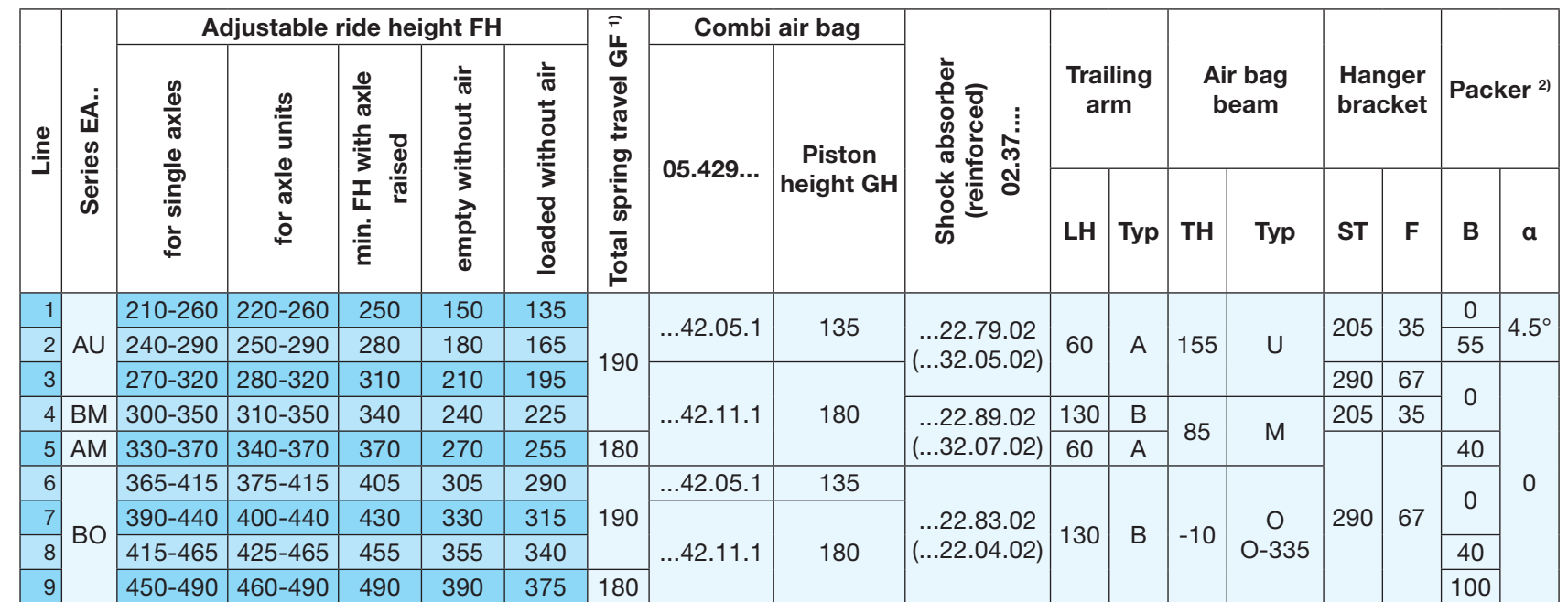
Axle type	Track SP	Spring centre FM	Tyres recommended	Height of centre of gravity ³⁾
SRBF 9010	2040	1200	385/65 R22.5 385/55 R22.5	2500
	2095	1300		2700
	2140	1400		2850

³⁾ Calculation reference: 0.4 g acceleration at right angles, side tilt body approx. 3.5° without taking account the tipping limit and tyre damping.

- Max. inclination angle of the semitrailer under full load and lowest adjustable ride height ±1°
- Bag pressures acc. to TE-1188.0 sheet 15
- The hanger brackets, air bag supports and the frame must be reinforced so that the forces applied can be absorbed. See the current BPW installation instructions.

Example name SRBF EAAU 9010 VG30K

SRBF	EAAU	9010	V	G30K
Axle type	Series Air suspension	Axle type	Hanger bracket, adjustable	Air bag type



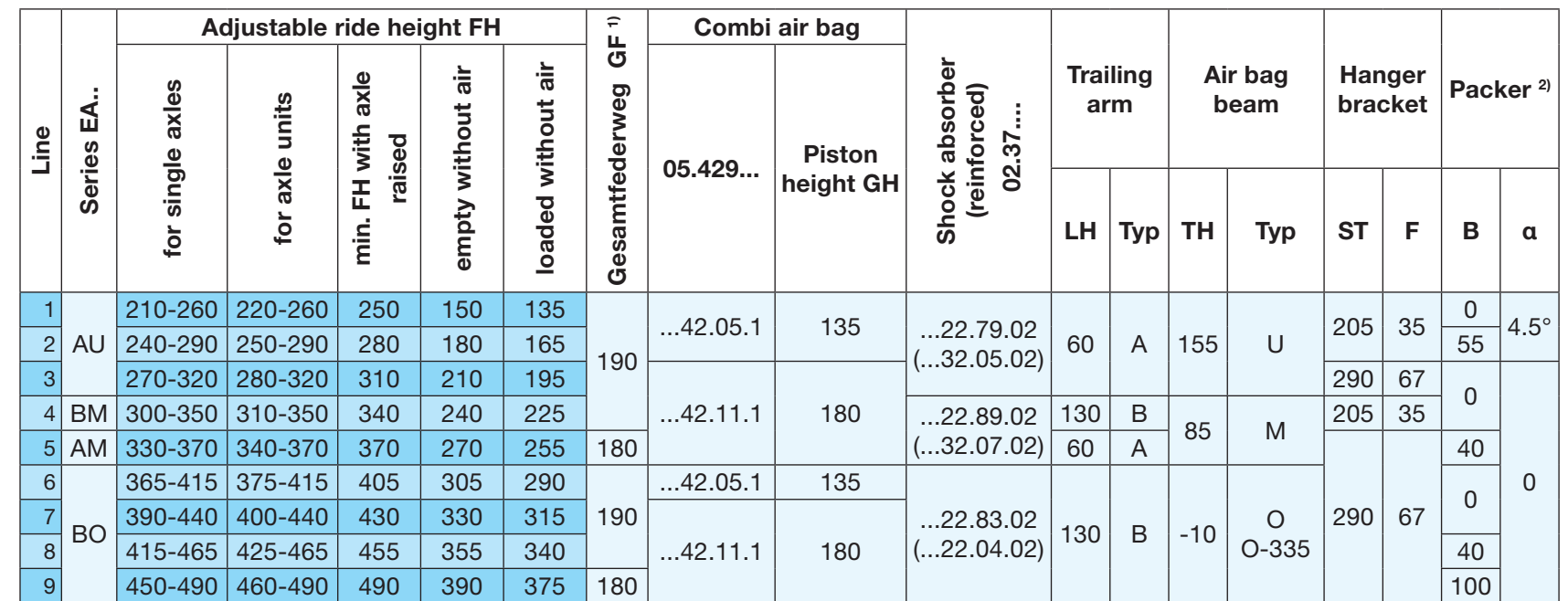
2) The packer is not included in supplied package.

Axle type	Track SP	Spring centre FM	Tyres recommended	Height of centre of gravity ⁵⁾
SKRBF 9010	2040	1200	385/65 R22.5	2500
		1300	385/55 R22.5	2700
	2095		385/55 R19.5 ³⁾	
	2140		435/50 R19.5 ⁴⁾ 445/45 R19.5 ⁴⁾	

⁵⁾ Calculation reference: 0.4 g acceleration at right angles, side tilt body approx. 3.5° without taking account the tipping limit and tyre damping.

- Example name SKRBFEEAU 9010 VG30K**

SKRBF	EAAU	9010	V	G30K
Axle type	Series Air suspension	Axle type	Hanger bracket, adjustable	Air bag type



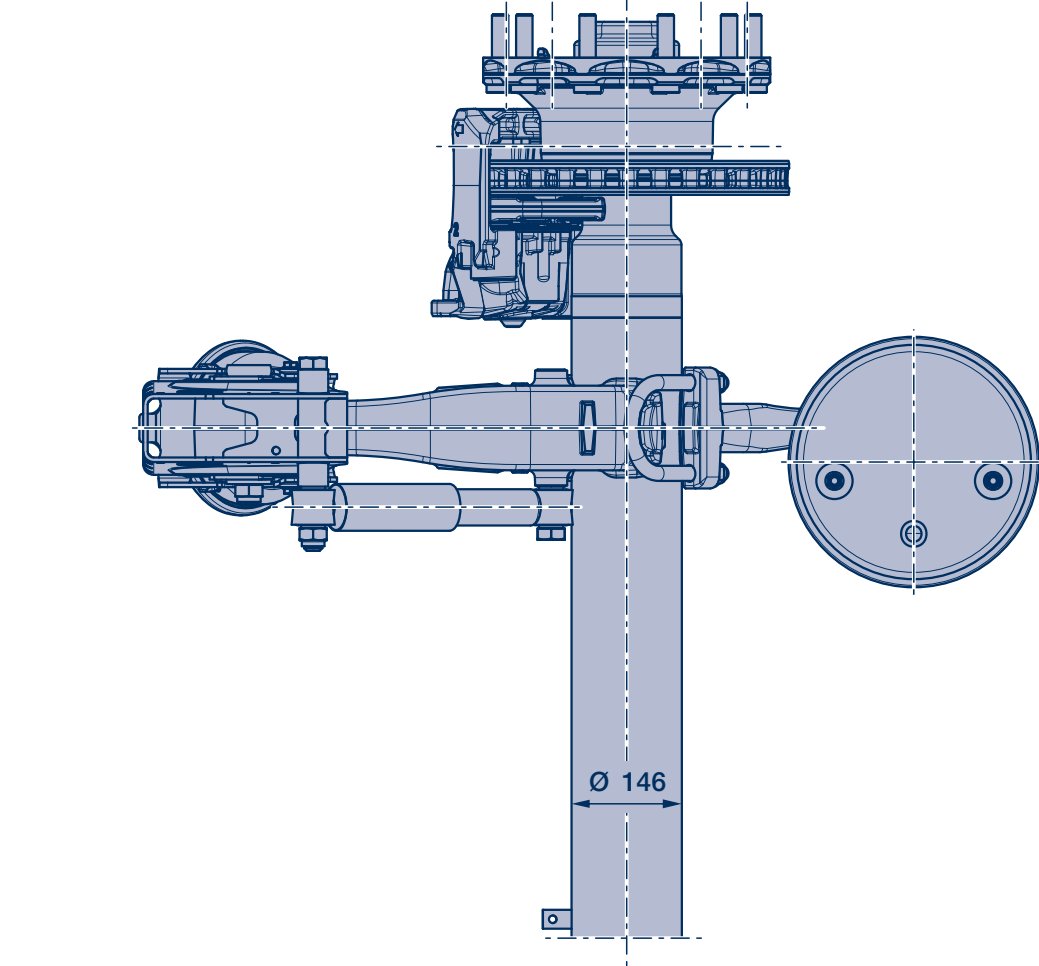
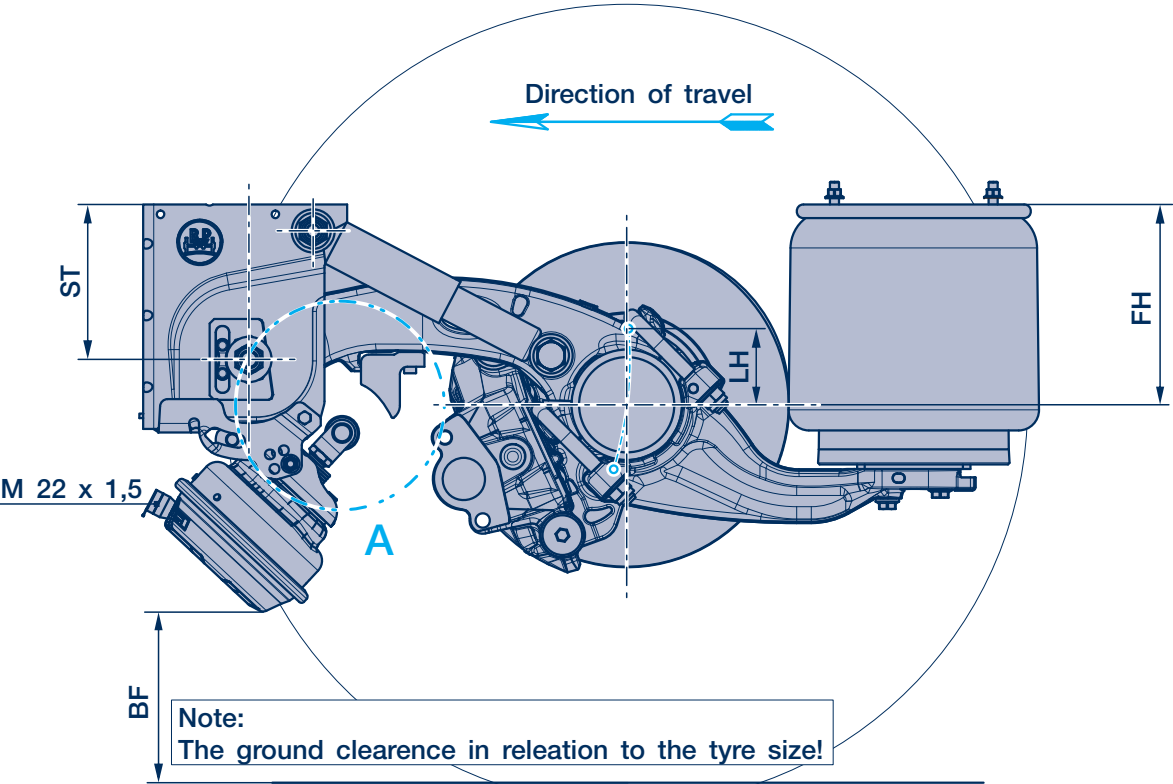
2) The packer is not included in supplied package.

Axle type	Track SP	Spring centre FM	Booster bracket centre GM	Brake cylinder ³⁾	Tyres recommended	Height of centre of gravity ⁴⁾
RSF 9010	2040	1200	401	M / F	385/65 R22.5 385/55 R22.5	2500
		1300				461
	2140		1400			501
		2100				

⁴⁾ Calculation reference: 0.4 g acceleration at right angles, side tilt body approx. 3.5° without taking account the tipping limit and tyre damping.

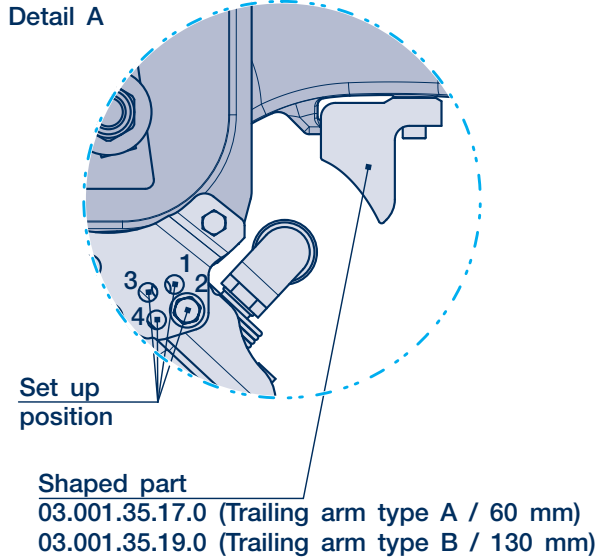
- Max. inclination angle of the semitrailer under full load and lowest adjustable ride height $\pm 1^\circ$
- Bag pressures acc. to TE-1188.0 sheet 15
- The hanger brackets, air bag supports and the frame must be reinforced so that the forces applied can be absorbed. See the current BPW installation instructions.

RSF	EAAU	9010	V	G30K
Axle type	Series Air suspension	Axle type	Hanger bracket, adjustable	Air bag type



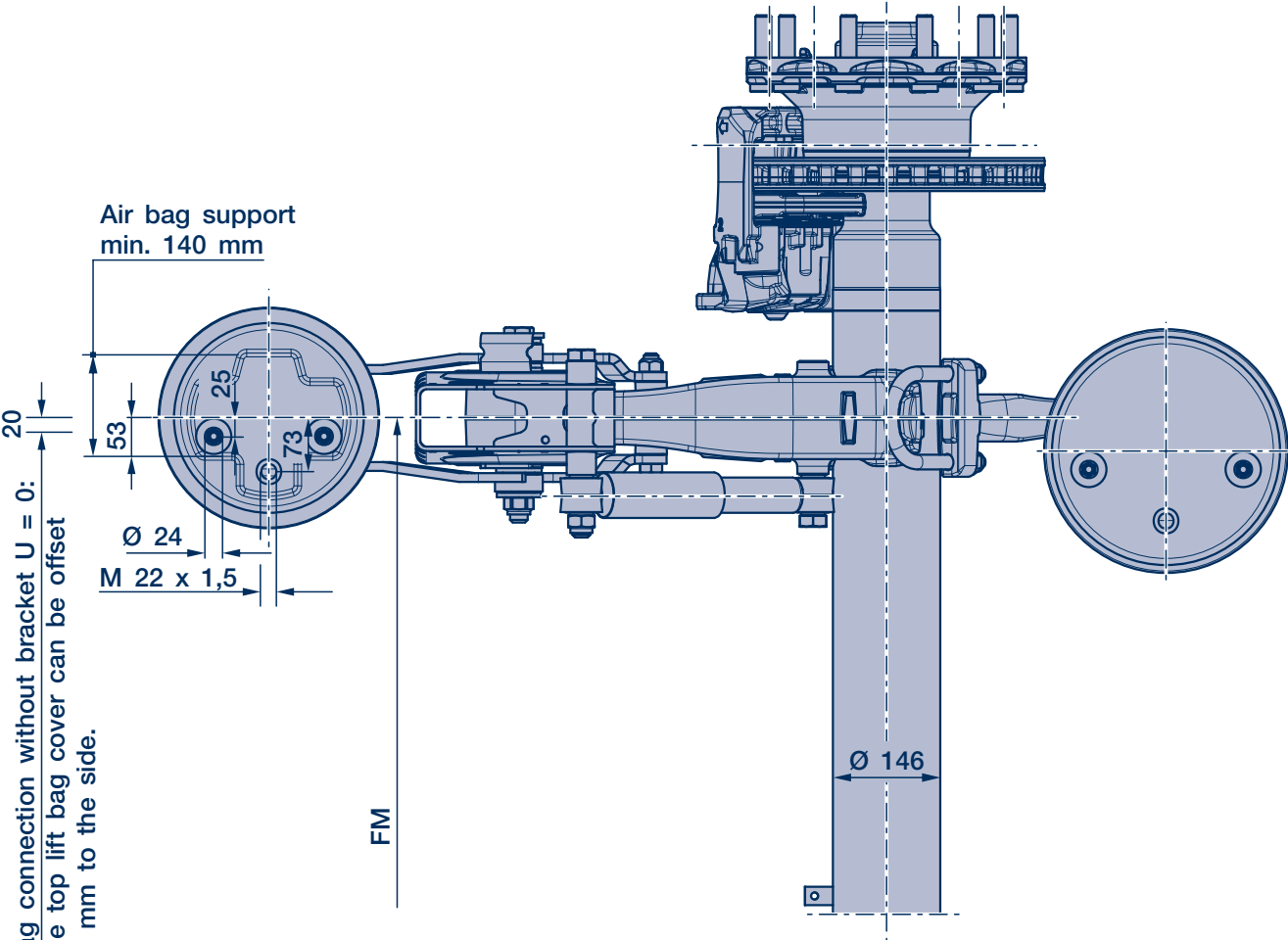
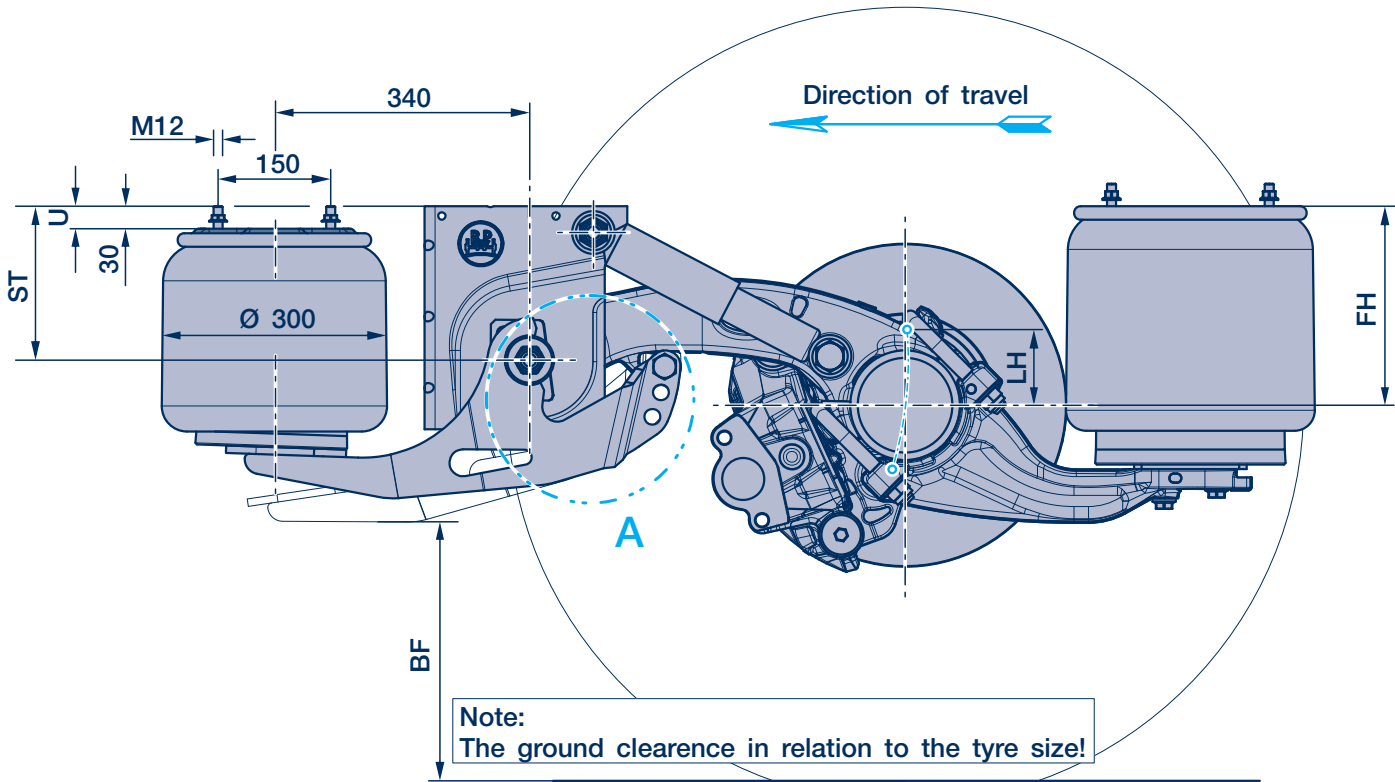
Suspension to drawing	Adjustable ride height FH		min. Lifthub LH	Hanger bracket height ST	Ground clearance BF ¹⁾	Set up position Pos. ²⁾	Axle lift kit 05.828...
	for axle units	min. FH with axle raised					
Sheet 1a, 1b, 1c	215-255	245	100	205	203	1	...32.05.0
	245-305	275			230	2	
	255-295	285			240	2	
	285-345	315			270	3	...32.06.0
	310-370	340			295	2	
	340-380	370			325	2	
	370-425	400		290	356	4	
	400-460	430			300	2	...32.05.0
	425-485	455			325	3	
	460-510	490			361	4	
Sheet 3a, 3b, 3c	220-260	250		205	205	2	...32.05.0
	250-290	280			235	3	
	280-320 ³⁾	310		290	183	1	...32.06.0
	310-350	340		205	295	2	
	340-370	370			240	2	...32.05.0
	375-415	405		290	278	1	
	400-440	430			300	2	
	425-465	455			325	3	...32.06.0
	460-490	490			360	3	

¹⁾ Ground clearance in relation to the set minimum ride height with the axle raised.
* Tyre: 385/65 R22.5 (r_{stat} = 496)
²⁾ During fitting, pay attention to the set up position, see 04.00.567173.
³⁾ Because of the small amount of ground clearance, it might be necessary to check whether use of the two-side axle lift is possible, depending on the specific application.



- In the lifting and lowering version, the total spring travel must be limited by a shut off valve.
- Minimum air pressure for lifting the axle approx. 6 bar.
- The hanger brackets, air bag supports and the frame must be reinforced so that the forces applied can be absorbed. See the current BPW installation instructions.

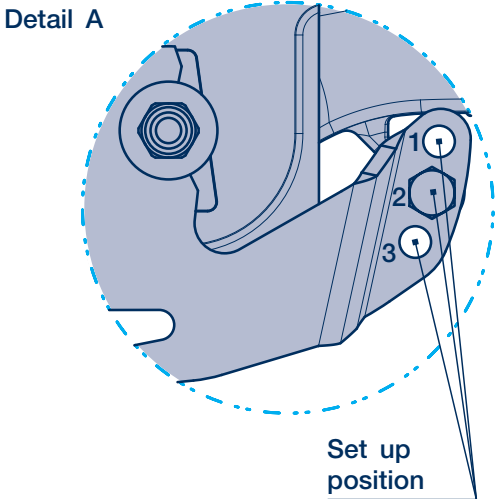
Example name SRBFEEAUA 9010 V30K					
SRBF	EEAU	A	9010	V	30K
Axle type	Series Air suspension	Achslift	Axle type	Hanger bracket, adjustable	Air bag type



Suspension to drawing	Adjustable ride height FH		min. Lifthub LH	Hanger bracket height ST	Ground clearance BF ¹⁾	Set up position Pos. ²⁾	Axle lift kit 05.828...	Packer U
	for axle units	min. FH with axle raised						
Sheet 1a, 1b, 1c	215-255	245	100	205	291	1	...32.07.0	0 ³⁾
	245-305	275			338	1		0
	255-295	285			358	1		0
	285-345	315			243	2		0 ³⁾
	310-370	340			364	2		0 ³⁾
	340-380	370			411	2		0 ³⁾
	370-425	400			458	2		0
	400-460	430		290	371	2		100
	425-485	455			411	2		100
	460-510	490			469	2		60
Sheet 2a, 2b, 2c	260-350	290		205	304	2		0
	300-350	330			368	2		0
	330-425	360			394	2		0
	385-425	415			424	3		0
	420-510	450		290	402	3		60

¹⁾ Ground clearance in relation to the set minimum ride height with the axle raised.
* Tyre: 385/65 R22.5 (r_{stat} = 496)
²⁾ The packer is not included in supplied package.
³⁾ A 40 mm tall packer is possible as an alternative, packer is not supplied.

- The air pressure for the lift bag must be limited to 5 bar at the reduction valve.
- The hanger brackets, air bag supports and the frame must be reinforced so that the forces applied can be absorbed. See the current BPW installation instructions.



Example name SRBFEEAUA 9010 V30K

SRBF	EEAU	A	9010	V	30K
Axle type	Series Air suspension	Achslift	Axle type	Hanger bracket, adjustable	Air bag type