

ECO Air Compact

Weights
of air suspension axles

AC
Sheet-no. II



Suspension to drawing AC Sheet No.	Line	Weight of air suspension	Axle weights								
			Type ¹⁾ SHBF 9010			Type ²⁾ SKHBF 9010			Type ³⁾ HSF 9010		
			Track 2040	Track 2095	Track 2140	Track 2040	Track 2095	Track 2140	Track 2040	Track 2095	Track 2140
Sheet 1a Sheet 1b Sheet 1c	1	134 ^{5) 7)}									
	2	136 ^{4) 6)}									
	3	133 ^{5) 7)}									
	4	136 ^{4) 6)}									
	5	137 ^{4) 6)}									
	6	135 ^{5) 7)}	286	288	290	276	278	280	292	295	296
	7	137 ^{4) 6)}									
	8	142 ^{4) 6)}									
	9	142 ^{4) 6)}									
	10	142 ^{4) 6)}									
Sheet 2a Sheet 2b Sheet 2c	1	157 ⁸⁾									
	2	157 ⁸⁾									
	3	157 ⁸⁾	286	288	290	276	278	280	292	295	296
	4	157 ⁸⁾									
	5	162 ⁸⁾									
Sheet 3a Sheet 3b Sheet 3c	1	143									
	2	148									
	3	149									
	4	145									
	5	149	286	288	290	276	278	280	292	295	296
	6	149									
	7	150									
	8	150									
	9	150									

Sheet 4 Two-sided lifting device = 23 kg

Sheet 5 Onesided lifting device = 21 kg

Additional weight per axle

- 1) without ABS, without dust cover. Additional weight ABS 0,6 kg, dust cover 2,9 kg
- 2) without ABS, without dust cover. Additional weight ABS 0,6 kg, dust cover 2,2 kg
- 3) without ABS, with dust cover. Additional weight ABS 0,6 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 80 = 9,1kg
- 7) Additional weight Air bag 36K, offset V 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 = 3,9 kg

Determining the total weight

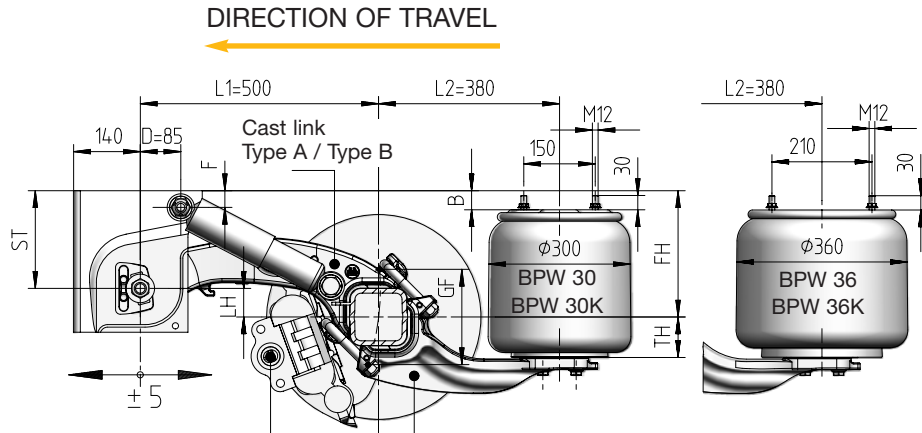
Air suspension parts
+ Axle
+ Additional weight
= Total weight

ECO Air Compact

Airspring axle with disc brake TSB 4309

Ride height 205-510 mm
Standard air bags

AC
Sheet-no. 1a

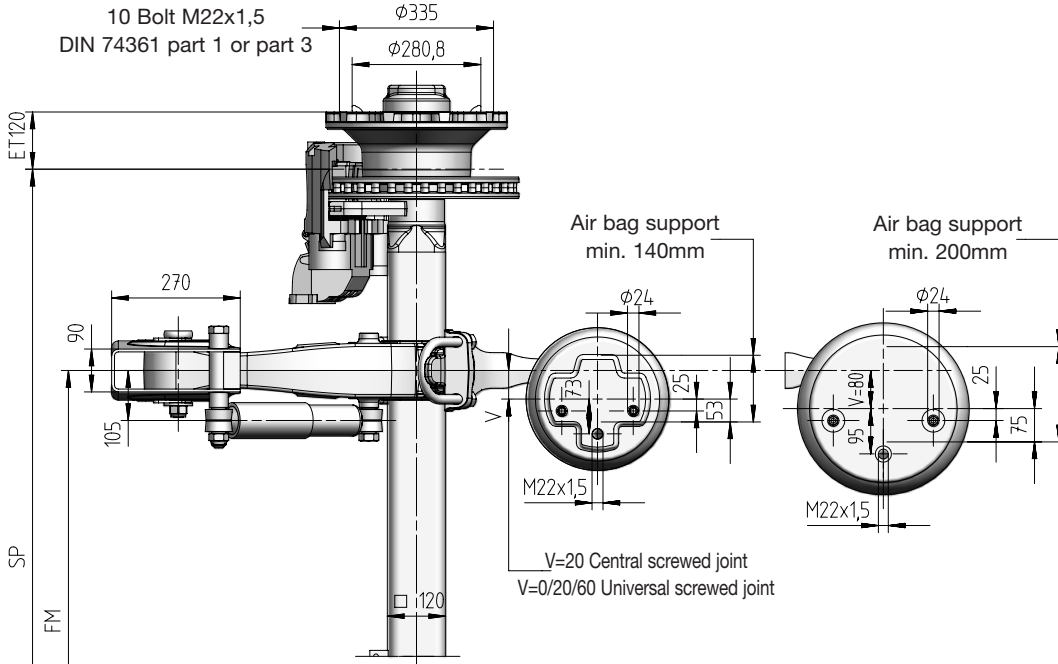


Only use authorised brake cylinders with internal seal max. Ø 191 mm.

Airbag beam
Type U / Type M / Type O

Line	Serie AC..	~ adjustable ride height FH					Total spring travel GF ¹⁾	Air bag Type BPW	Shock absorber 02.37..	Cast link		Air beam		Hanger bracket		Con-sole ²⁾
		for single axles	for axle units	min. FH with axle raised	Empty without air	Loaded without air				LH	Type	TH	Type	ST	F	
1	AU	205-255	215-255	245	145	130	190	30K /36K	..22.79.02	60	A	155	U	205	35	0
2		235-305	245-305	275	175	160	30 / 36									
3	AM	245-295	255-295	285	185	170	30K /36K									
4		275-345	285-345	315	215	200	30 / 36	..22.89.02	130	B	85	M	290	67	40	
5	BM	300-370	310-370	340	240	225	30 / 36									
6		330-380	340-380	370	270	255	30K /36K									
7		360-425	370-425	400	300	285	30 / 36	..22.83.02	-10	O	-	-	-	-	-	
8	BO	390-460	400-460	430	330	315	30 / 36									
9		415-485	425-485	455	355	340	30 / 36									
10		450-510	460-510	490	390	375	30 / 36	..22.88.02								

10 Bolt M22x1,5
DIN 74361 part 1 or part 3



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

- Lifting heights acc. to TD-1242.0
- The bracket is not included in supplied package
- 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

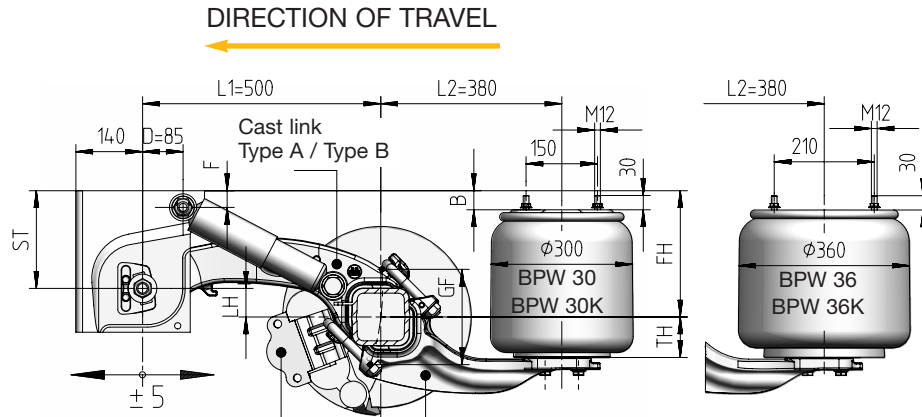
SHBFACAU 9010 V30K

Axle type, Serie Air suspension, Hanger bracket, adjustable, Air bag type

ECO Air Compact Airspring axle with disc brake TSB 3709

Ride height 205-510 mm
Standard air bags

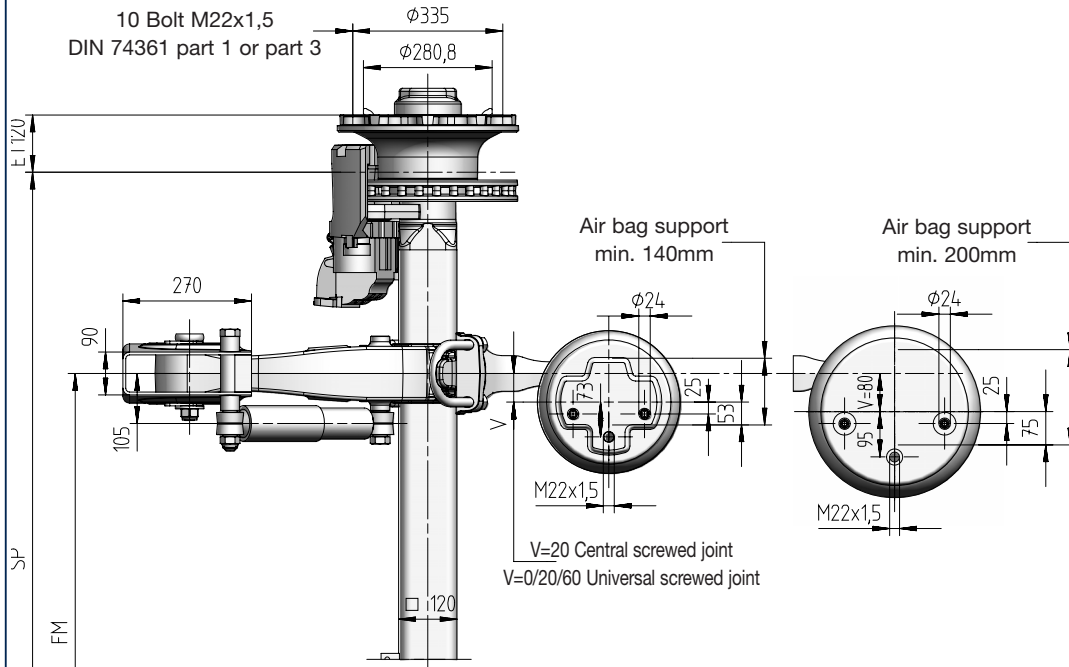
AC
Sheet-no. 1b



Only use authorised brake cylinders with internal seal max. Ø 191 mm.

Airbag beam
Type U / Type M / Type O

Line	Serie AC..	~ adjustable ride height FH					Total spring travel GF ¹⁾	Air bag Type BPW	Shock absorber 02.37..	Cast link		Air beam		Hanger bracket		Conso ²⁾
		for single axles	for axle units	min. FH with axle raised	Empty without air	Loaded without air				LH	Type	TH	Type	ST	F	
1	AU	205-255	215-255	245	145	130	190	30K /36K	..22.79.02	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	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	130	B	-10	O	290	67	40
6		330-380	340-380	370	270	255	190	30K /36K								
7		360-425	370-425	400	300	285	220	30 / 36	..22.88.02	130	B	-10	O	290	67	40
8	BO	390-460	400-460	430	330	315	220	30 / 36								
9			415-485	425-485	455	355	340	220	30 / 36	..22.88.02	130	B	-10	O	290	67
10		450-510	460-510	490	390	375	220	30 / 36								



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

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

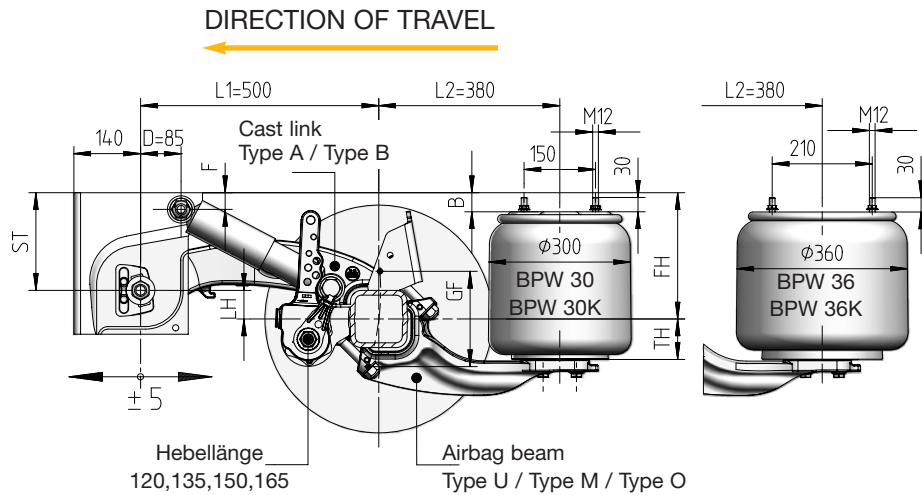
Max. inclination angle of the semitrailer under full load and lowest adjustable ride height ±1°
Bag pressures acc. to TE-1188.0 sheet 15 (30/30K), sheet 11 (36/36K)
The hanger brackets, air bag supports and the frame must be reinforced so that the forces applied can be absorbed. See the current BPW installation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

Example name
SKHBFACAU 9010 V30K
Axle type, Serie Air suspension, Hanger bracket, adjustable, Air bag type

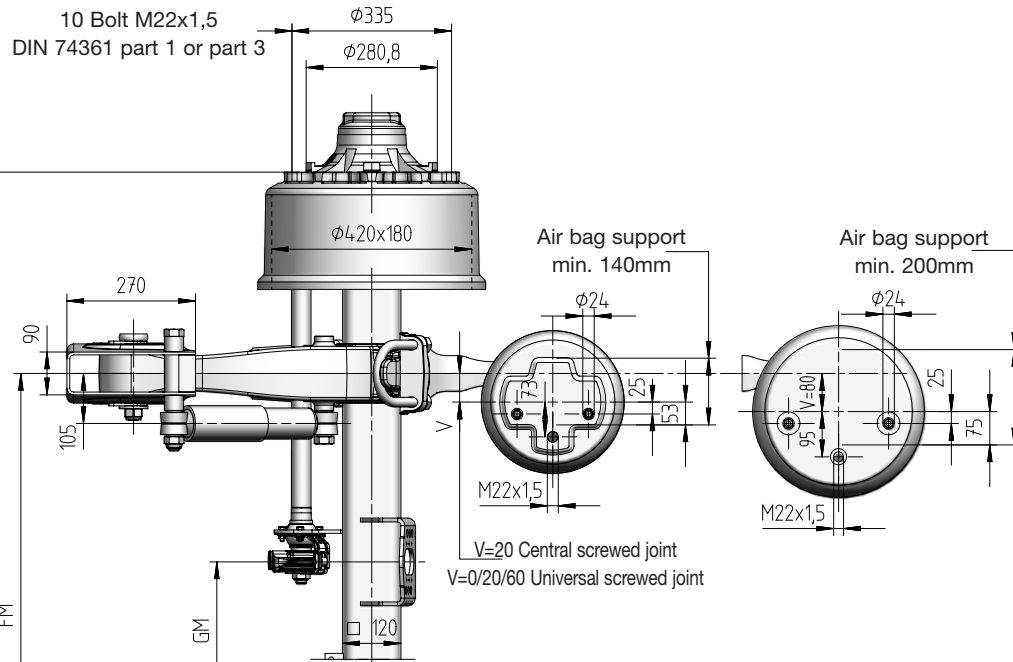
ECO Air Compact Airspring axle with drum brake SN 4218

Ride height 205-510 mm
Standard air bags

AC
Sheet-no. 1c



Line	Serie AC..	~ adjustable ride height FH					Total spring travel GF ¹⁾	Air bag Type BPW	Shock absorber 02.37..	Cast link		Air beam		Hanger bracket		Console ²⁾
		for single axles	for axle units	min. FH with axle raised	Empty without air	Loaded without air				LH	Type	TH	Type	ST	F	
1	AU	205-255	215-255	245	145	130	190	30K /36K	..22.79.02	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	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	130	B	-10	O	290	67	40
6	BO	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	130	B	-10	O	290	67
8	390-460		400-460	430	330	315	220	30 / 36								
9	BO	415-485	425-485	455	355	340	220	30 / 36	..22.88.02	130	B	-10	O	290	67	40
10		450-510	460-510	490	390	375	220	30 / 36								



Axle type	Track SP	Spring centre FM	Booster bracket centre GM	Brake cylinder ³⁾	Tyres recommended	Centre of gravity ⁴⁾
HSF 9010	2040	1200	409	M / F	385/65 R22,5 385/55 R22,5	2500
	2095	1300	464			2700
	2140	1400	585			2850

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

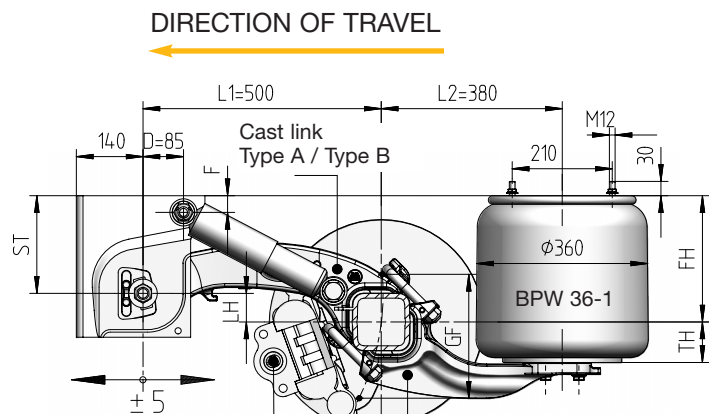
Max. inclination angle of the semitrailer under full load and lowest adjustable ride height ±1°
Bag pressures acc. to TE-1188.0 sheet 15 (30/30K), sheet 11 (36/36K)
The hanger brackets, air bag supports and the frame must be reinforced so that the forces applied can be absorbed. See the current BPW installation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

Example name
HSFACAU 9010 V30K
Axle type, Serie Air suspension, Hanger bracket, adjustable, Air bag type

ECO Air Compact Airspring axle with disc brake TSB 4309

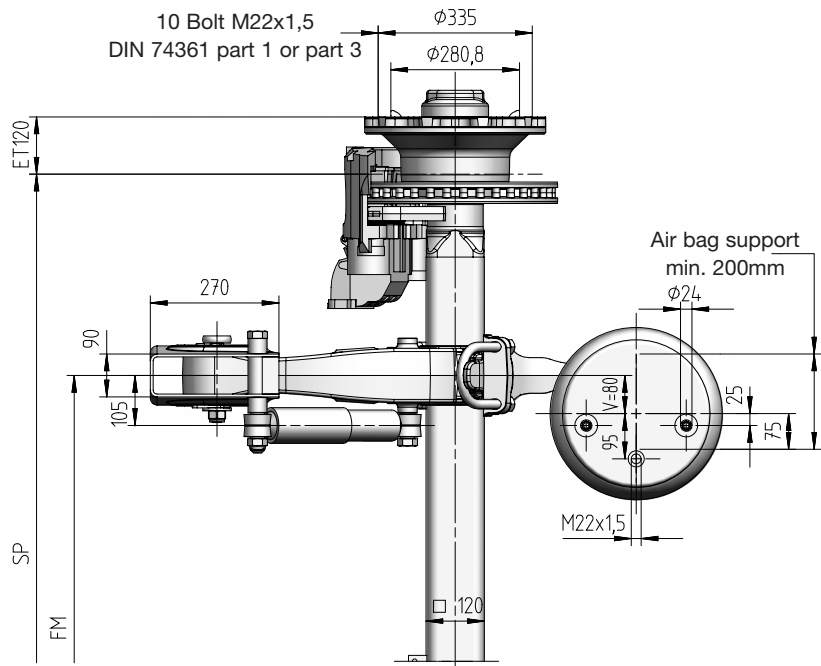
Ride height 250-510 mm
Long stroke air bags

AC
Sheet-no. 2a



Only use authorised brake cylinders with internal seal max. Ø 191 mm.

Airbag beam
Type U / Type M / Type O



Line	Serie AC..	≈ adjustable ride height FH					Total spring travel GF ¹⁾	Air bag Type BPW	Shock absorber 02.37..	Cast link		Air beam		Hanger bracket	
		for single axles	for axle units	min. FH with axle raised	Empty without air	Loaded without air				LH	Type	TH	Type	ST	F
1	AU	250-350	260-350	290	190	175	260	36-1 ²⁾	..22.89.02	60	A	155	U	205	35
2	AM	290-350	300-350	330	230	215						85	M		
3	BM	320-425	330-425	360	260	245				130	B	-10	O	290	67
4	BO	375-425	385-425	415	315	300									
5		410-510	420-510	450	350	335									

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

¹⁾ Lifting heights acc. to TD-1242.0

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

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

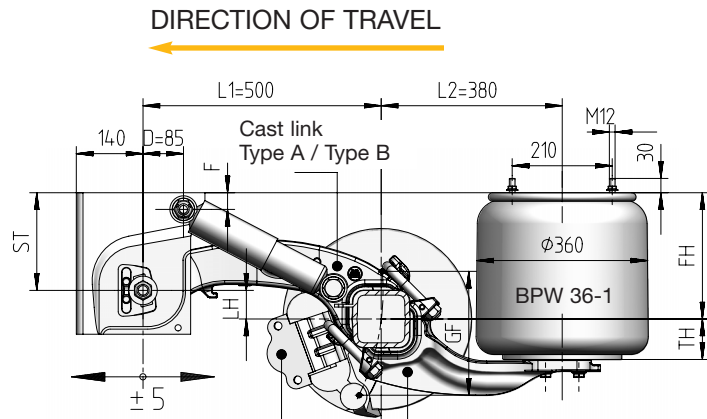
SHBFACAU 9010 V36-1

Axle type, Serie Air suspension, Hanger bracket, adjustable, Air bag type

ECO Air Compact Airspring axle with disc brake TSB 3709

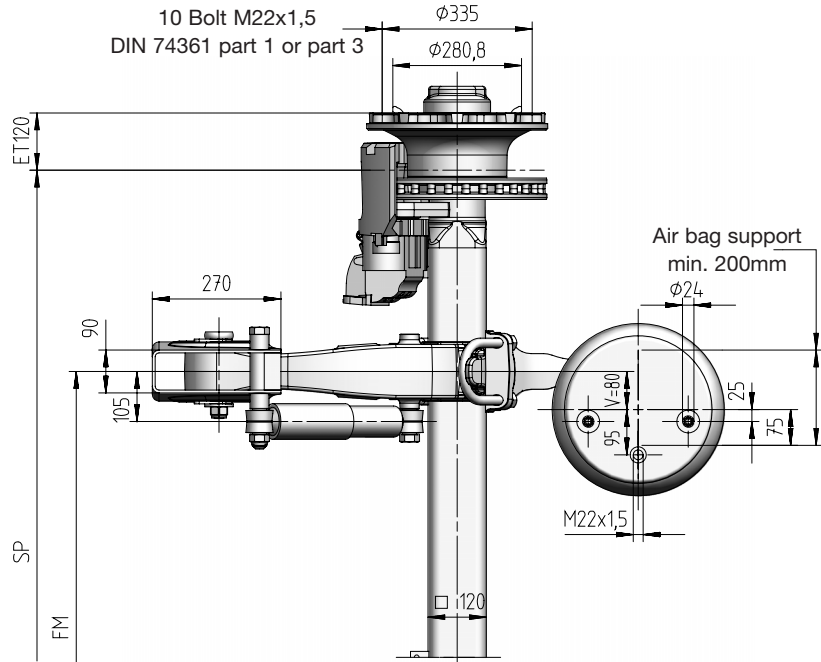
Ride height 250-510 mm
Long stroke air bags

AC
Sheet-no. 2b



Only use authorised brake cylinders with internal seal max. Ø 191 mm.

Airbag beam
Typ U / Typ M / Typ O



Line	Serie AC..	≈ adjustable ride height FH					Total spring travel GF ¹⁾	Air bag Type BPW	Shock absorber 02.37..	Cast link		Air beam		Hanger bracket	
		for single axles	for axle units	min. FH with axle raised	Empty without air	Loaded without air				LH	Type	TH	Type	ST	F
1	AU	250-350	260-350	290	190	175	260	36-1 ²⁾	..22.89.02	60	A	155	U	205	35
2	AM	290-350	300-350	330	230	215						85	M		
3	BM	320-425	330-425	360	260	245				130	B	-10	O		
4	BO	375-425	385-425	415	315	300									
5		410-510	420-510	450	350	335									

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

- Lifting heights acc. to TD-1242.0
- Stroke limiting is required in vehicles with a lifting and lowering device.
- 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.
- Pay attention to the maximum overall width and clearance between air bag and tyres (min. 30 mm)
- 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

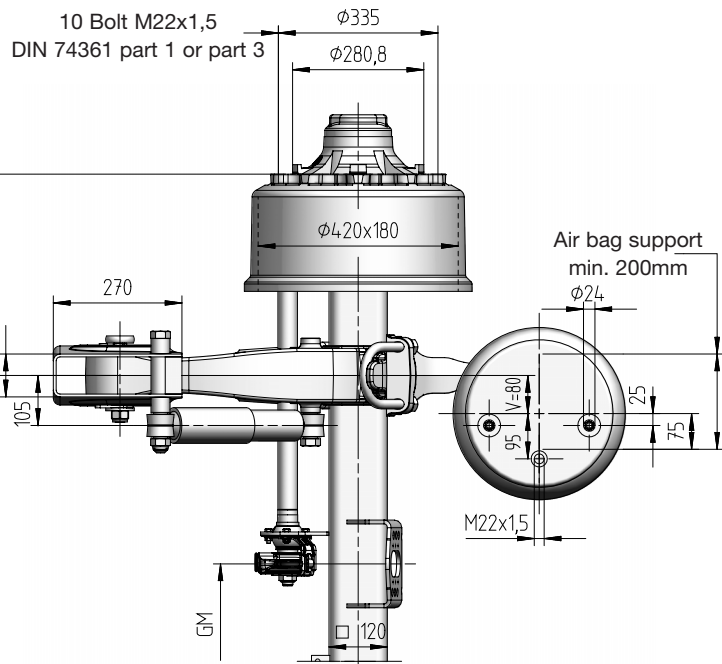
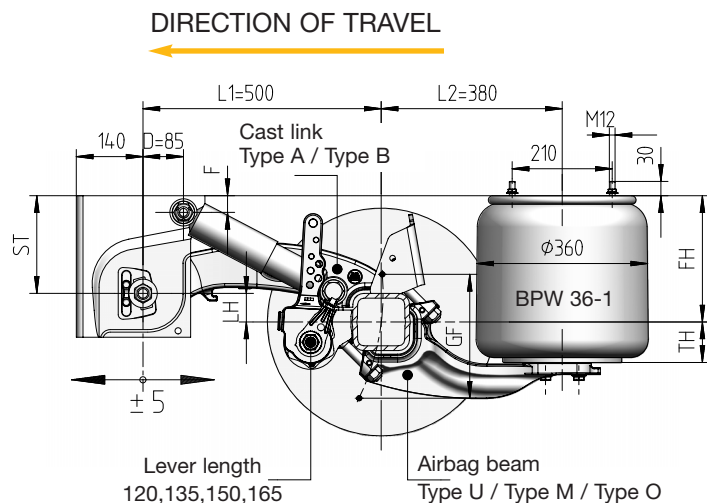
The hanger brackets, air bag supports and the frame must be reinforced so that the forces applied can be absorbed. See the current BPW installation instructions.

Example name
SKHBFACAU 9010 V36-1
Axle type, Serie Air suspension, Hanger bracket, adjustable, Air bag type

ECO Air Compact Airspring axle with drum brake SN4218

Ride height 250-510 mm
Long stroke air bags

AC
Sheet-no. 2c



Line	Serie AC..	≈ adjustable ride height FH					Total spring travel GF ¹⁾	Air bag Typ BPW	Shock absorber 02.37..	Cast link		Air beam		Hanger bracket	
		for single axles	for axle units	min. FH with axle raised	Empty without air	Loaded without air				LH	Type	TH	Type	ST	F
1	AU	250-350	260-350	290	190	175	260	36-1 ²⁾	..22.89.02	60	A	155	U	205	35
2	AM	290-350	300-350	330	230	215						85	M		
3	BM	320-425	330-425	360	260	245				130	B	-10	O	290	67
4	BO	375-425	385-425	415	315	300									
5		410-510	420-510	450	350	335									

Axle type	Track SP	Spring centre FM	Booster bracket centre GM	Brake cylinder ³⁾	Tyres recommended	Centre of gravity ⁴⁾
HSF 9010	2040	1200	409	M / F	385/65 R22,5 385/55 R22,5	2500
	2095	1300	464			2700
	2140	1400	585			2850

- 1) Lifting heights acc. to TD-1242.0
- 2) Stroke limiting is required in vehicles with a lifting and lowering device.
- 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 $\pm 1^\circ$

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.

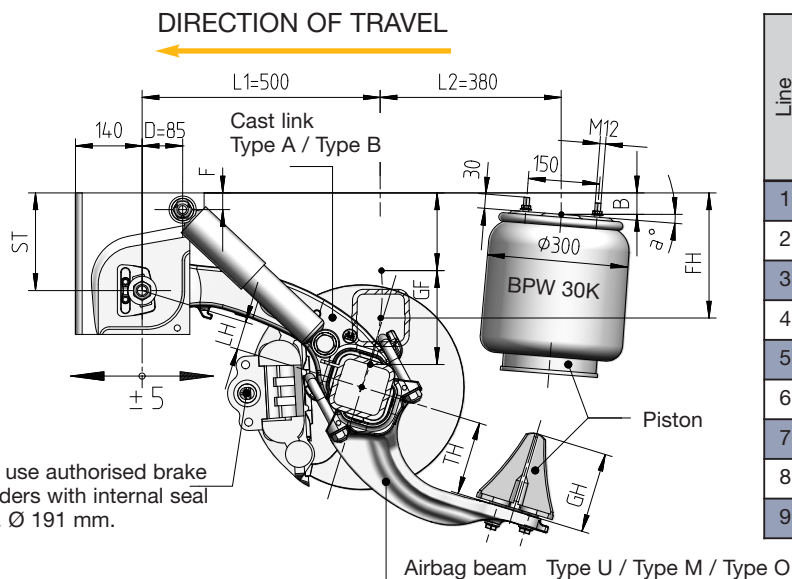
Example name
HSFACAU 9010 V36-1
Axle type, Serie Air suspension, Hanger bracket, adjustable, Air bag type

ECO Air Compact

Airspring axle with disc brake TSB 4309

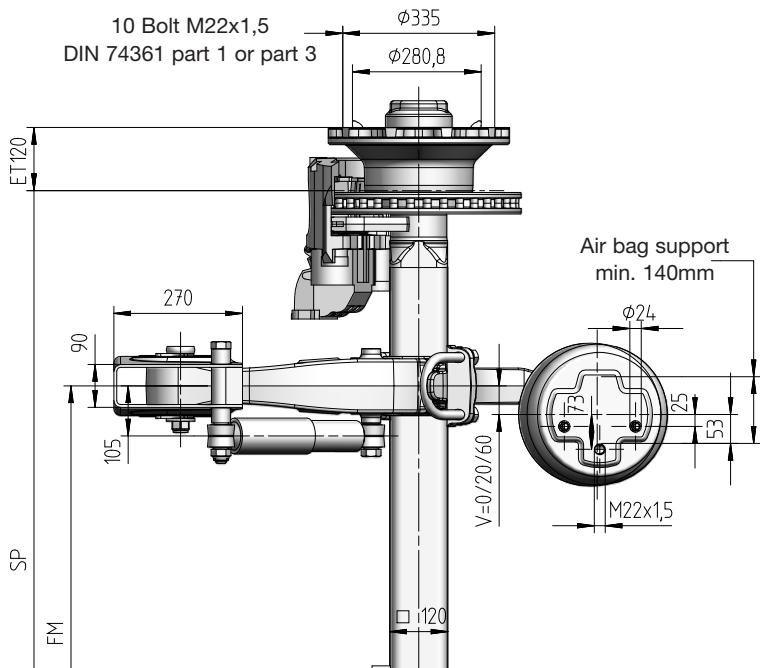
Ride height 210-490 mm
Kombi - Air bags

AC
Sheet-no. 3a



Only use authorised brake cylinders with internal seal max. Ø 191 mm.

Line	Serie AC..	≈ adjustable ride height FH					Total spring travel GF ¹⁾	Kombi - Air bag		Shock absorber 02.37..	Cast link		Air beam		Hanger bracket		Console ²⁾																	
		for single axles	for axle units	min. FH with axle raised	Empty without air	Loaded without air		05.429...	Piston height GH		LH	Type	TH	Type	ST	F	B	a°																
1	AU	210-260	220-260	250	150	135	190	..42.05.1	135	..22.79.02	60	A	155	U	205	35	0	4,5																
2		240-290	250-290	280	180	165		..42.11.1	180						..22.89.02	130			B	85	M	290	67											
3		270-320	280-320	310	210	195																205	35											
4	BM	300-350	310-350	340	240	225	180	..42.11.1	180	..22.89.02	60	A			290	67	40	0																
5	AM	330-370	340-370	370	270	255	180	..42.05.1	135	..22.83.02	130	B	-10	O	290	67	100	0																
6	BO	365-415	375-415	405	305	290	..42.05.1	135	..22.83.02	130									B	-10	O	290	67	100	0									
7		390-440	400-440	430	330	315	..42.11.1	180																		..22.83.02	130	B	-10	O	290	67	100	0
8		415-465	425-465	455	355	340																												
9		450-490	460-490	490	390	375	180	..42.11.1	180	..22.83.02	130	B	-10	O	290	67	100	0																



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

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

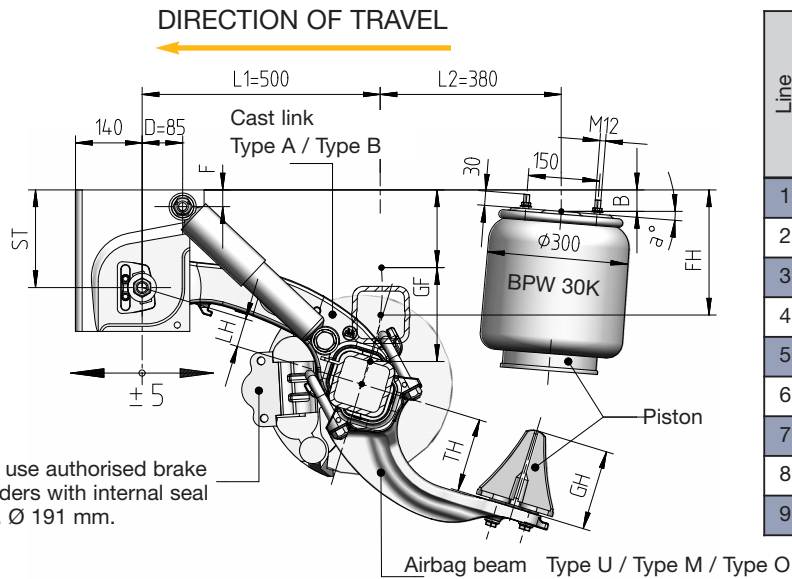
The hanger brackets, air bag supports and the frame must be reinforced so that the forces applied can be absorbed. See the current BPW installation instructions.

Example name
SHBFACAU 9010 VG30K
Axle type, Serie Air suspension, Hanger bracket, adjustable, Air bag type

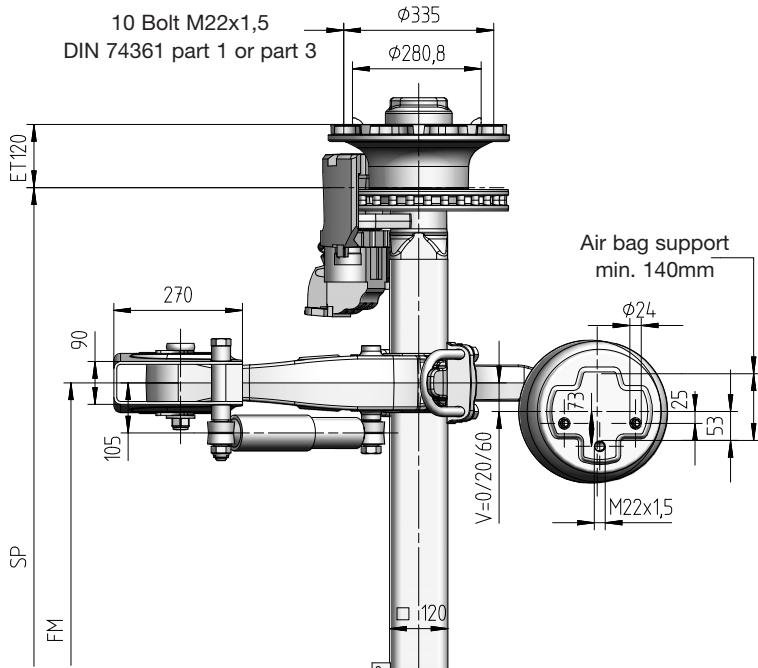
ECO Air Compact Airspring axle with disc brake TSB 3709

Ride height 210-490 mm
Kombi - Air bags

AC
Sheet-no. 3b



Line	Serie AC..	≈ adjustable ride height FH					Total spring travel GF ¹⁾	Kombi - Air bag		Shock absorber 02.37..	Cast link		Air beam		Hanger bracket		Console ²⁾								
		for single axles	for axle units	min. FH with axle raised	Empty without air	Loaded without air		05.429...	Piston height GH		LH	Type	TH	Type	ST	F	B	a°							
1	AU	210-260	220-260	250	150	135	190	..42.05.1	135	..22.79.02	60	A	155	U	205	35	0	4,5							
2		240-290	250-290	280	180	165		..42.11.1	180						..22.89.02	130			B	85	M	290	67		
3		270-320	280-320	310	210	195																205	35		
4	BM	300-350	310-350	340	240	225	180	..22.89.02	60	A			290	67	40	0									
5	AM	330-370	340-370	370	270	255	180	..42.05.1	135	..22.83.02	130	B	-10	O	290	67	100	0							
6	BO	365-415	375-415	405	305	290	..42.11.1	180	130										B	-10	O	290	67	40	0
7		390-440	400-440	430	330	315																			
8			415-465	425-465	455	355	340	..42.11.1	180																
9		450-490	460-490	490	390	375	180																		



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

- Lifting heights acc. to TD-1242.0
- The bracket is not included in supplied package
- 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.
- Pay attention to the maximum overall width and clearance between air bag and tyres (min. 30 mm)
- Calculation reference: 0.4 g acceleration at right angles, side tilt body approx. 3.5° without taking account the tipping limit and tyre damping

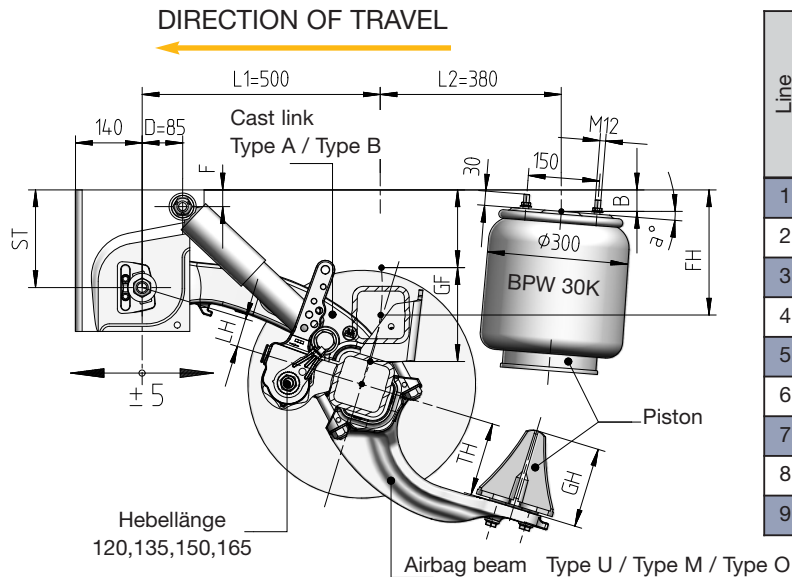
Max. inclination angle of the semitrailer under full load and lowest adjustable ride height ±1°
Bag pressures acc. to TE-1188.0 sheet 15
The hanger brackets, air bag supports and the frame must be reinforced so that the forces applied can be absorbed. See the current BPW installation instructions.

Example name
SKHBFACAU 9010 VG30K
Axle type, Serie Air suspension, Hanger bracket, adjustable, Air bag type

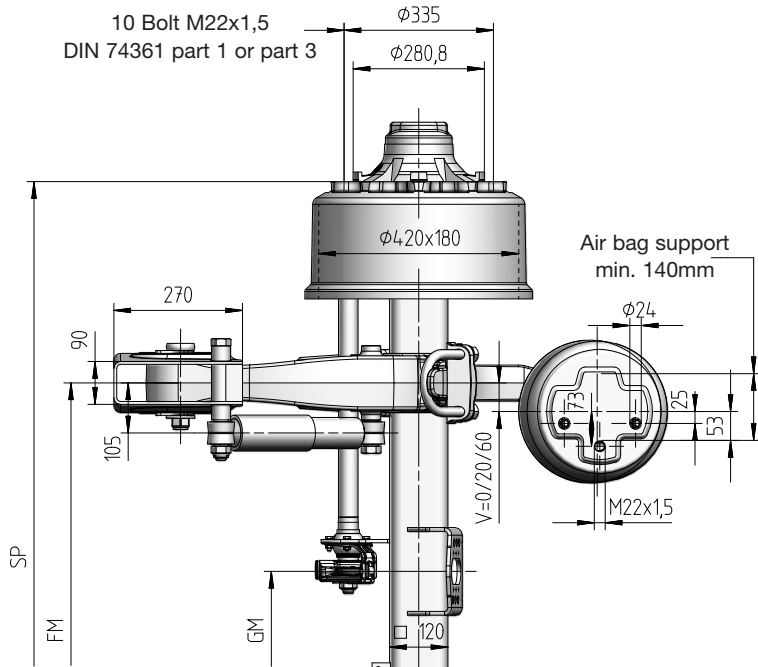
ECO Air Compact Airspring axle with drum brake SN 4218

Ride height 210-490 mm
Kombi - Air bags

AC
Sheet-no. 3c



10 Bolt M22x1,5
DIN 74361 part 1 or part 3



Line	Serie AC..	≈ adjustable ride height FH					Total spring travel GF ¹⁾	Kombi - Air bag		Shock absorber 02.37..	Cast link		Air beam		Hanger bracket		Console ²⁾								
		for single axles	for axle units	min. FH with axle raised	Empty without air	Loaded without air		05.429...	Piston height GH		LH	Type	TH	Type	ST	F	B	a°							
1	AU	210-260	220-260	250	150	135	190	..42.05.1	135	..22.79.02	60	A	155	U	205	35	0	4,5							
2		240-290	250-290	280	180	165		..42.11.1	180						..22.89.02	130			B	85	M	290	67		
3		270-320	280-320	310	210	195																205	35		
4	BM	300-350	310-350	340	240	225	180	..42.11.1	180	..22.89.02	60	A			205	35	40	0							
5	AM	330-370	340-370	370	270	255	180	..42.05.1	135	..22.83.02	130	B	-10	O	290	67	40								
6	BO	365-415	375-415	405	305	290	190	..42.05.1	135						130	B	-10		O	290	67	40	0		
7		390-440	400-440	430	330	315	190	..42.11.1	180	..22.83.02	130	B	-10	O									290	67	40
8		415-465	425-465	455	355	340	190	..42.11.1	180	..22.83.02	130	B	-10	O									290	67	40
9		450-490	460-490	490	390	375	180										100								

Axle type	Track SP	Spring centre FM	Booster bracket centre GM	Brake cylinder ³⁾	Tyres recommended	Centre of gravity ⁴⁾
HSF 9010	2040	1200	409	M / F	385/65 R22,5 385/55 R22,5	2500
	2095	1300	464			2700
	2140	1400	585			2850

- 1) Lifting heights acc. to TD-1242.0
- 2) M = diaphragm cylinder / F = spring brake cylinder
- 3) Pay attention to the maximum overall width and clearance between air bag and tyres (min. 30 mm)
- 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

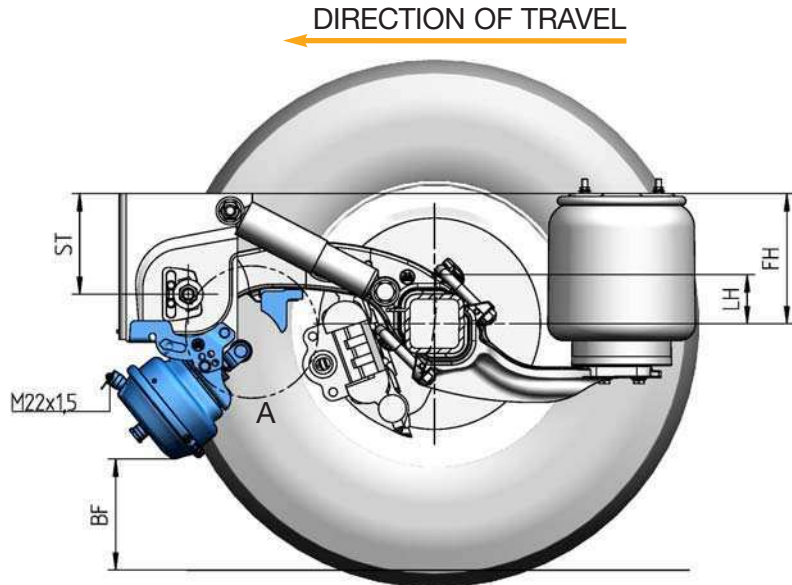
Max. inclination angle of the semitrailer under full load and lowest adjustable ride height ±1°
Bag pressures acc. to TE-1188.0 sheet 15
The hanger brackets, air bag supports and the frame must be reinforced so that the forces applied can be absorbed. See the current BPW installation instructions.

Example name
HSFACAU 9010 VG30K
Axle type, Serie Air suspension, Hanger bracket, adjustable, Air bag type

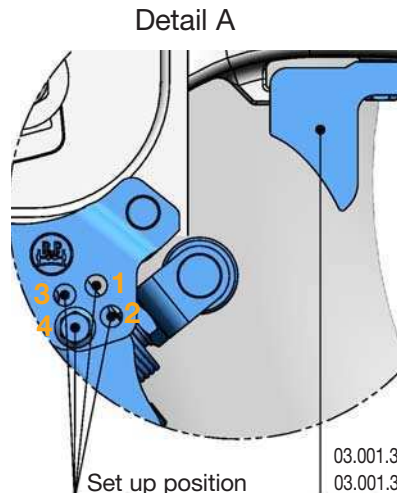
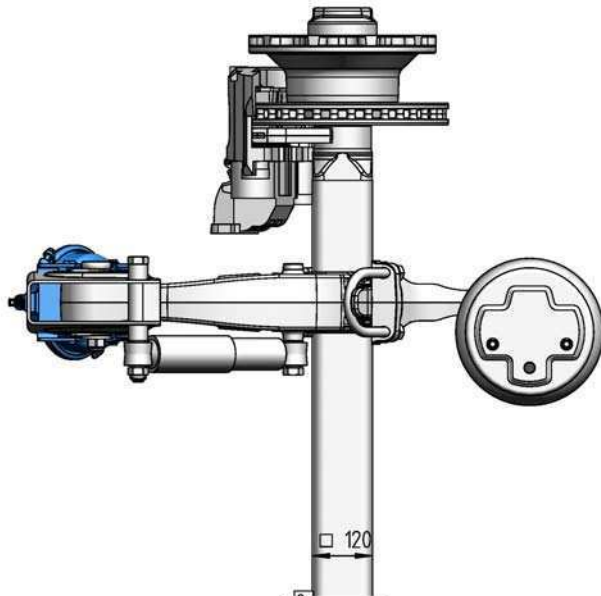
ECO Air COMPACT

Two-sided lifting device

AC
Sheet-no. 4



* Note the ground clearance in relation to the tyre size



Shaped part
03.001.35.17.0 (Cast link 60mm)
03.001.35.19.0 (Cast link 130mm)

Suspension to drawing AC Sheet No.	≈ adjustable ride height FH		Lifting stroke LH	Support 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	
	310-370	340			295	2	..32.06.0
	340-380	370			325	2	
	370-425	400			356	4	
	400-460	430			300	2	
	425-485	455			325	3	
	460-510	490			361	4	
Sheet 3a, 3b, 3c	220-260	250	100	205	205	2	..32.05.0
	250-290 3)	--280--			153	1	
	280-320 3)	--310--			183	1	
	310-350	340			295	2	
	340-370	370			240	2	..32.05.0
	375-415	405			278	1	
	400-440	430			300	2	
	425-465	455			325	3	
	460-490	490			360	3	
						290	

- 1) Ground clearance in relation to the set minimum ride height with the axle raised.
* Tyre = 385/65 R22,5 (rstat = 496)
- 2) During fitting, pay attention to the set up position. see 04.00.540844
- 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.

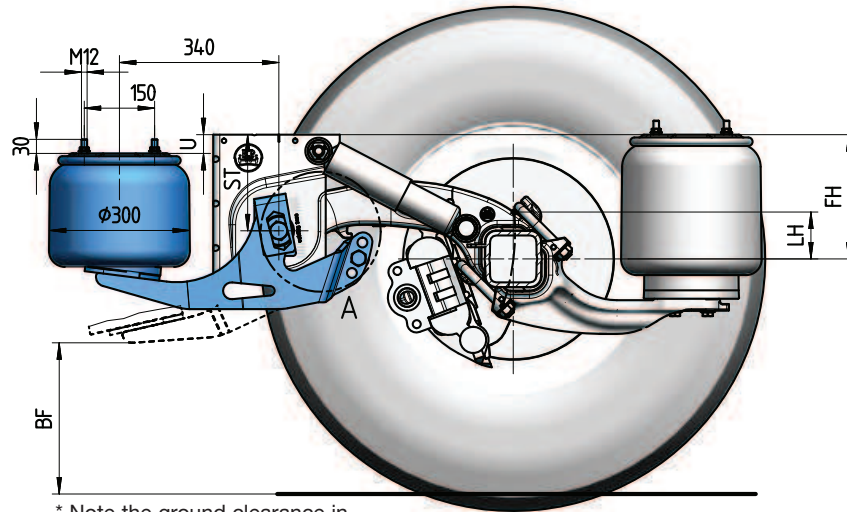
Minimum air pressure for lifting the axle approx. 6 bar.

The hanger brackets, air bag supports and the frame must be strengthened so that they can adsorb the forces applied. See the current BPW installation instructions.

Example name
SHBFACUA 9010 V30K
Axle type, serie air suspension, axle lift, hanger bracket, adjustable, air bag type



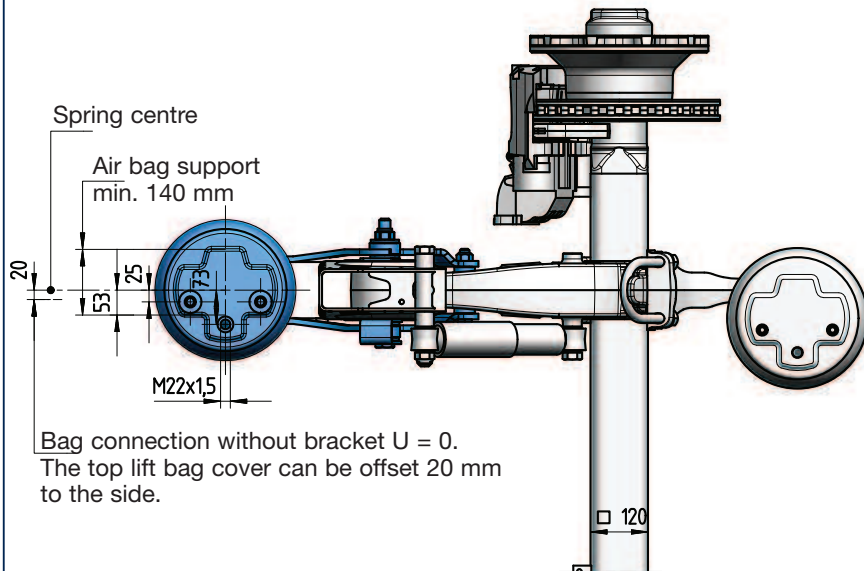
DIRECTION OF TRAVEL ←



* Note the ground clearance in relation to the tyre size

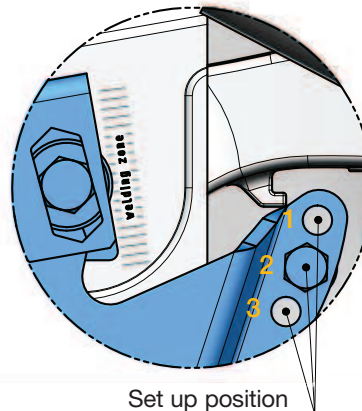
Suspension to drawing AC Sheet No.	≈ adjustable ride height FH		min. Lifting stroke LH	Support height ST	Ground clearance BF 1)	Set up position Pos.	Axle lift kit 05.828...	Bracket 2) U			
	for axle units	min. FH with axle raised									
Sheet 1a, 1b, 1c	215-255	245	100	205	291	1	..32.07.0	0 3)			
	245-305	275			338	1		0			
	255-295	285			358	1		0			
	285-345	315			343	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			371	2		100			
Sheet 2a, 2b, 2c	425-485	455		290	205	411		2	100		
	460-510	490				469		2	60		
	260-350	290				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		402	2	60					

- 1) Ground clearance in relation to the set minimum ride height with the axle raised.
* Tyre: 385/65 R22,5 (rstat = 496)
- 2) bracket is not supplied
- 3) A 40 mm tall bracket is possible as an alternative, bracket is not supplied.



Bag connection without bracket U = 0.
The top lift bag cover can be offset 20 mm to the side.

Detail A



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 strengthened so that they can adsorb the forces applied. See the current BPW installation instructions.

Example name

SHBFACUA 9010 V30K

Axle type, serie air suspension, axle lift, hanger bracket, adjustable, air bag type