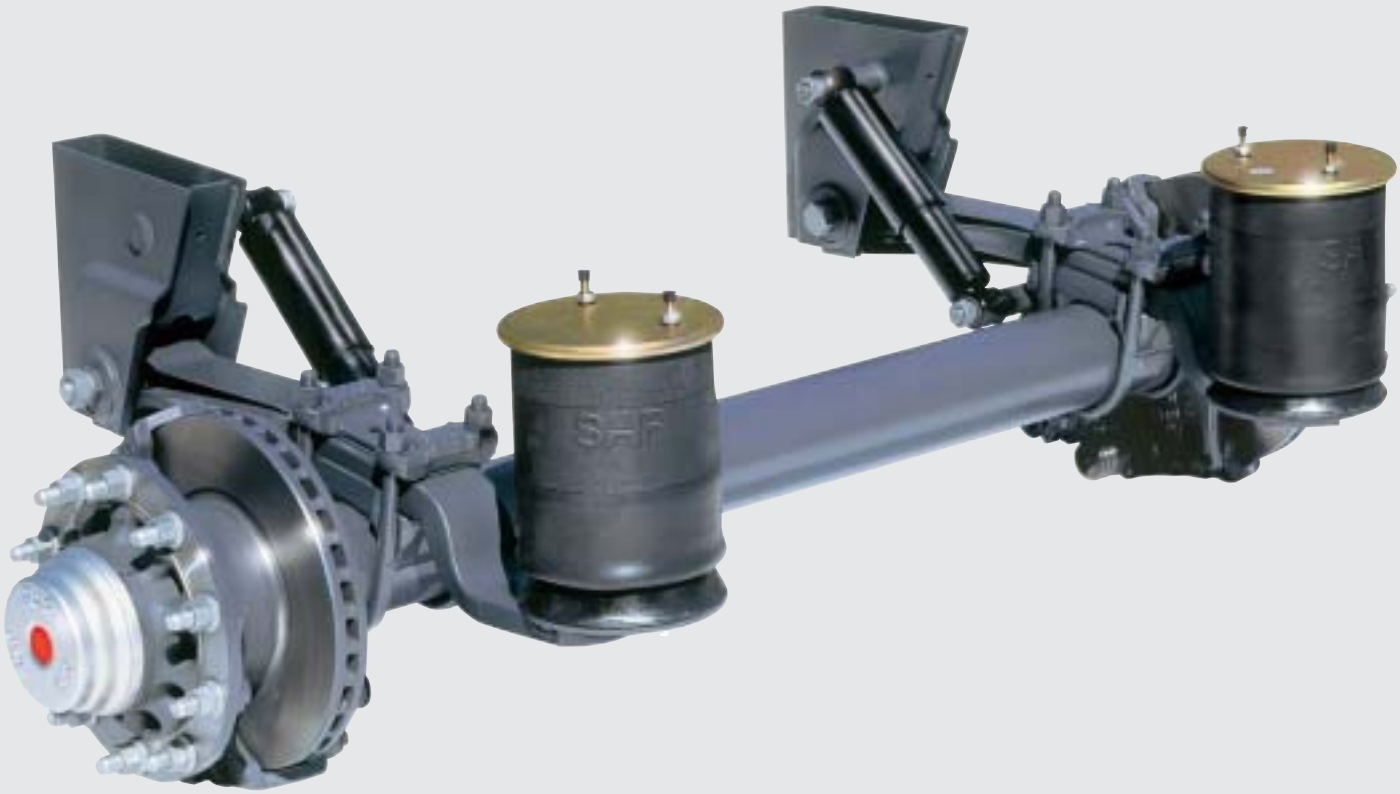
SAF MODUL



SAF

Edition 11a/2003

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GENERAL INFORMATION

AIR SUSPENSION SERIES

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AIR SUSPENSION SERIES

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General Information

Type codes for Module and INTRA series air suspension assemblies

X X OO / OO OO X OO X ①

Type

Series

Overall height in cm

Hanger bracket height in cm

Air bag bracket height in cm

Trailing arm type

E = single-leaf spring
N = trailing arm 38/38
S = strengthened spring 43/43
without specification = with functional suspension arm (INTRA...)

Air bag type number

27 = SAF 2918V Ø 350
28 = SAF 2923VK Ø 350
29 = SAF 2618V Ø 300
30 = SAF 2926V Ø 350
31 = SAF 2923V Ø 350
33 = SAF 2619V Ø 300

Hanger bracket type

Q = cross member
A = aluminium hanger bracket
without specification = steel hanger bracket

U = series with spring mounted under the axle – INTRA series (low ride height)
M = series with cranked spring mounted over the axle
O = series with spring mounted over the axle – INTRA series (high ride height)

I = with functional suspension arm **(INTRAAX *plus* series - from 01/2001 INTRADISC *plus* series - from 08/2000)**
P = with functional suspension arm (INTRADISC *plus* series - up to 08/2000)
X = with functional suspension arm (INTRAAX/INTRADISC series)
E = trailing arm L2 = 340 with spring mounted over the axle
L2 = 315 with spring mounted under the axle
H = with extended suspension arm fixing points and extended stroke
without specification = suspension arm with L2 = 385

① = Letters are marked with "X", numbers with "O"
Example: IO40/2505 33Q
U27/2904E31Q

Permitted centre of gravity heights for SAF Air Suspension series M / O

Axle load	Trailing arm	Spring Centre					
		900	980	1100	1200	1300	1400
8000 kg	48 E	---	2200	2500	2800	3100	>3100
	38/38	2150	2500	2900	>3100	>3100	>3100
9000 kg	48 E	---	2000	2300	2600	2900	>3100
	38/38	2000	2300	2700	3000	>3100	>3100
10000 kg	38/38	---	2050	2300	2500	2750	3000
	43/43	2150	2450	2800	3100	>3100	---
11000 kg	43/43	2000	2300	2600	2850	>3100	---
12000 kg	43/43	1850	2150	2450	2700	2950	---

Note: All dimensions in mm

Centre of gravity height = Distance between road and centre of gravity of sprung mass

The centre of gravity heights shown are based on the following data:

- Standard track widths and axle cross-sections refer to the relevant functional suspension arm centerline and axle load
- 0.34 g lateral acceleration
- Body roll approx. 3.5°, not allowing for the body tilt and tyre deflection
- Tyre sizes with static radius of approx. 500 mm
  (with smaller tyres, the permissible centre of gravity height will be reduced accordingly)
- Stationary load

For vehicles with suspended loads or tank vehicles (in particular vehicles for hazardous goods transport) we recommend a suspension assembly for an approx. 20 % larger centre of gravity height than the calculated vehicle centre of gravity height.

Permitted centre of gravity heights for SAF Air Suspension series U

Axle load	Trailing arm	Spring Centre					
		900	980	1100	1200	1300	1400
8000 kg	48 E	---	2050	2350	2650	2900	>3100
	38/38	2000	2350	2700	3050	>3100	>3100
9000 kg	48 E	---	1850	2150	2450	2700	2950
	38/38	1850	2150	2500	2800	3050	>3100
10000 kg	38/38	---	1850	2100	2350	2600	2850
	43/43	2000	2250	2600	2900	>3100	---
11000 kg	43/43	1850	2150	2450	2700	2950	---
12000 kg	43/43	---	2000	2300	2550	2800	---

Note: All dimensions in mm

Centre of gravity height = Distance between road and centre of gravity of sprung mass

The centre of gravity heights shown are based on the following data:

- Standard track widths and axle cross-sections refer to the relevant functional suspension arm centerline and axle load
- 0.34 g lateral acceleration
- Body roll approx. 3.5°, not allowing for the body tilt and tyre deflection
- Tyre sizes with static radius of approx. 500 mm
  (with smaller tyres, the permissible centre of gravity height will be reduced accordingly)
- Stationary load

For vehicles with suspended loads or tank vehicles (in particular vehicles for hazardous goods transport) we recommend a suspension assembly for an approx. 20 % larger centre of gravity height than the calculated vehicle centre of gravity height.

Air Suspension Series with Axle Type

SK RS 9042

11360MS Edition 11 / 2003

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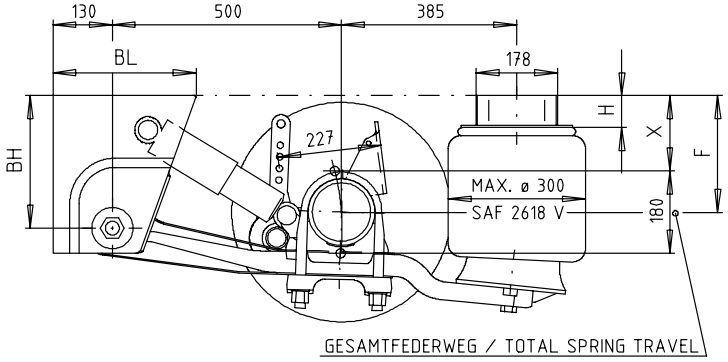
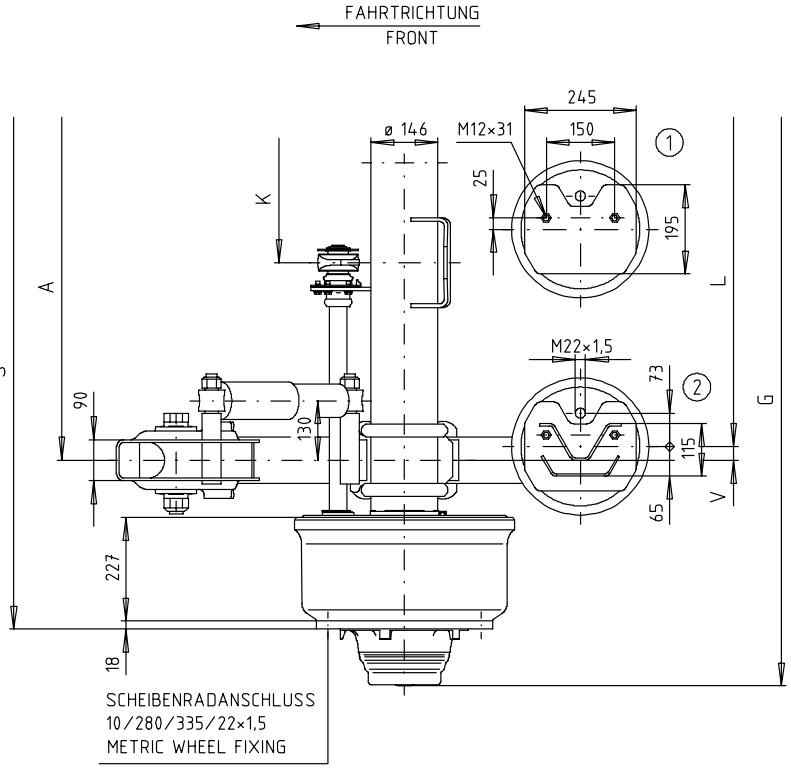
Nominal ride height 200 - 330 mm – Mono leaf trailing arm – Air bag SAF 2618 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
U20/2500 E29	200	170-220	180-220	210-220	110	90	250	298	5 ①	165
U22/2504 E29	220	190-240	200-240	230-240	130	110	250	298	40 ②	166
U24/2904 E29	240	210-260	220-260	250-260	150	130	290	313	40 ②	169
U25/2907 E29	255	225-275	235-275	265-275	165	145	290	313	70 ②	170
U27/2910 E29	270	240-290	250-290	280-290	180	160	290	313	100 ②	171
U30/3510 E29	300	270-320	280-320	310-320	210	190	355	337	100 ②	176
U31/3513 E29	315	285-335	295-335	325-335	225	205	355	337	130 ②	177
U33/3516 E29	330	300-350	310-350	340-350	240	220	355	337	160 ②	178



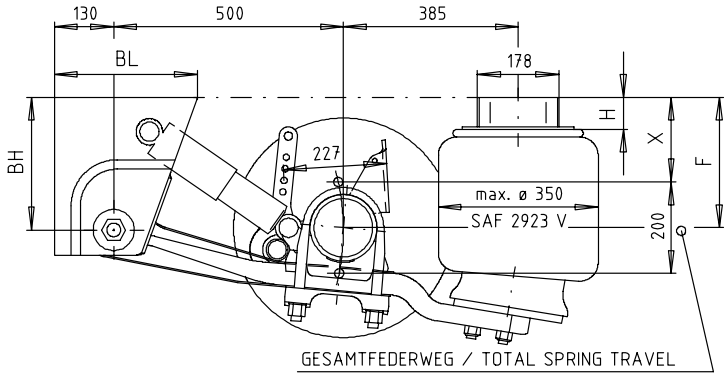
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9042 9000 kg SNK 420 x 180 385/65 R 22.5	1970/1100	2217	366 3)	0	1100	291
				30	1040	
				55 4)	990	
	1970/1200	2217	366 3)	0	1200 2)	291
				30	1140	
				55 4)	1090	
	2040/1200	2287	436 3)	0	1200	293
				30	1140	
				55 4)	1090	
	2040/1300	2287	436 3)	30	1240	293
				55 4)	1190	
	2040/1300	2287	690 3)	30	1240	291
	2090/1300	2337	486 3)	0	1300 2)	295
				30	1240	
				55 4)	1190	
	2090/1400	2337	486 3)	55 4)	1290	295

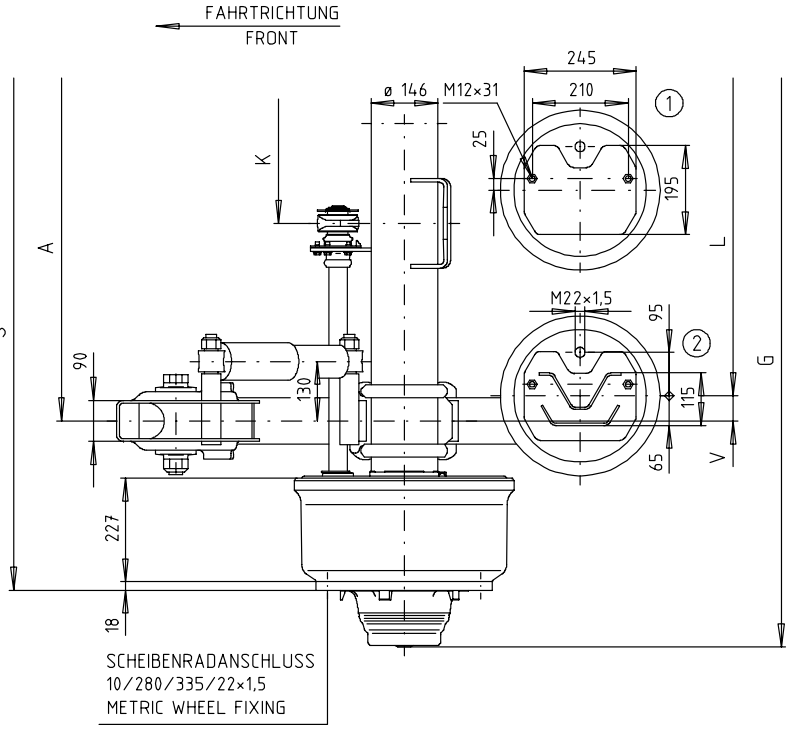
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 385/65 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-E29-SKRS9042

Nominal ride height 230 - 365 mm – Mono leaf trailing arm – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
U23/2500 E31	230	190-260	200-260	230-260	130	110	250	298	5 ①	180
U25/2504 E31	250	210-280	220-280	250-280	150	130	250	298	40 ②	181
U27/2904 E31	270	230-300	240-300	270-300	170	150	290	313	40 ②	184
U28/2907 E31	285	245-315	255-315	285-315	185	165	290	313	70 ②	185
U30/2910 E31	300	260-330	270-330	300-330	200	180	290	313	100 ②	186
U33/3510 E31	330	290-360	300-360	330-360	230	210	355	337	100 ②	191
U35/3513 E31	350	310-380	320-380	350-380	250	230	355	337	130 ②	192
U36/3516 E31	365	325-395	335-395	365-395	265	245	355	337	160 ②	193

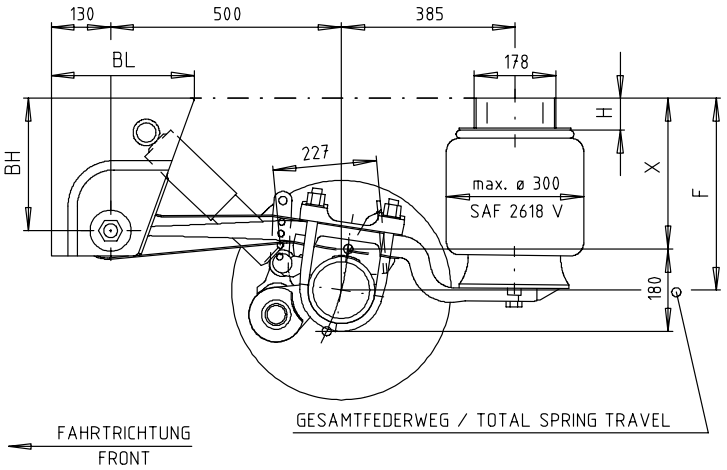
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9042 9000 kg SNK 420 x 180 385/65 R 22.5	1970/1100	2217	366 3)	0	1100	291
				30	1040	
				55 4)	990	
	1970/1200	2217	366 3)	30	1140 2)	291
				55 4)	1090	
	2040/1200	2287	436 3)	0	1200 2)	293
				30	1140	
				55 4)	1090	
	2040/1300	2287	436 3)	55 4)	1190	293
	2090/1300	2337	486 3)	30	1240	295
				55 4)	1190	
	2090/1400	2337	486 3)	70 4)	1260 2)	295

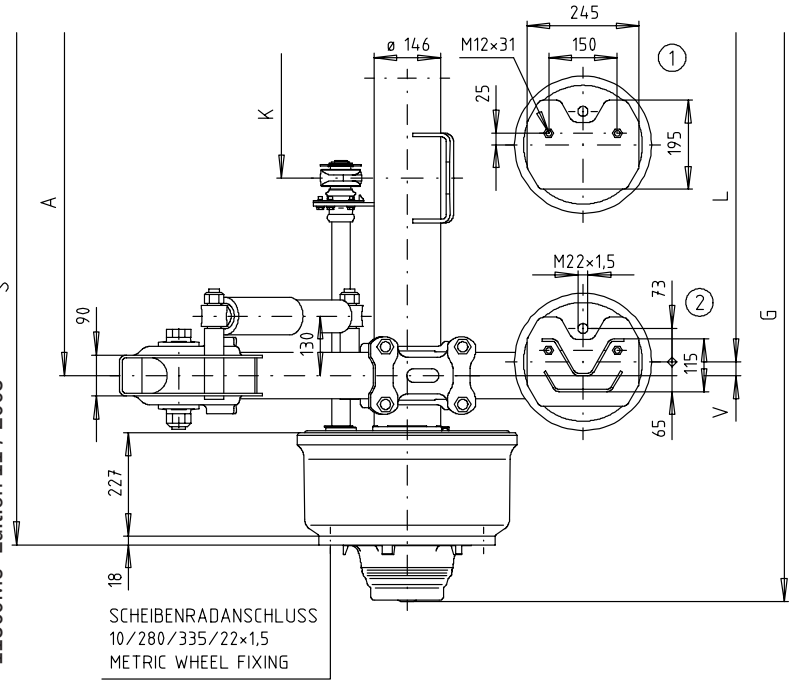
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 385/65 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=55 and V=70, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-E31-SKRS9042

Nominal ride height 365 - 465 mm – Mono leaf trailing arm – Air bag SAF 2618 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 E29	365	335-385	345-385	375-385	275	255	250	298	5 ①	167
M38/2504 E29	385	355-405	365-405	395-405	295	275	250	298	40 ②	168
M40/2904 E29	400	370-420	380-420	410-420	310	290	290	313	40 ②	171
M42/2907 E29	420	390-440	400-440	430-440	330	310	290	313	70 ②	172
M43/2910 E29	435	405-455	415-455	445-455	345	325	290	313	100 ②	173
M46/3510 E29	465	435-485	445-485	475-485	375	355	355	337	100 ②	178

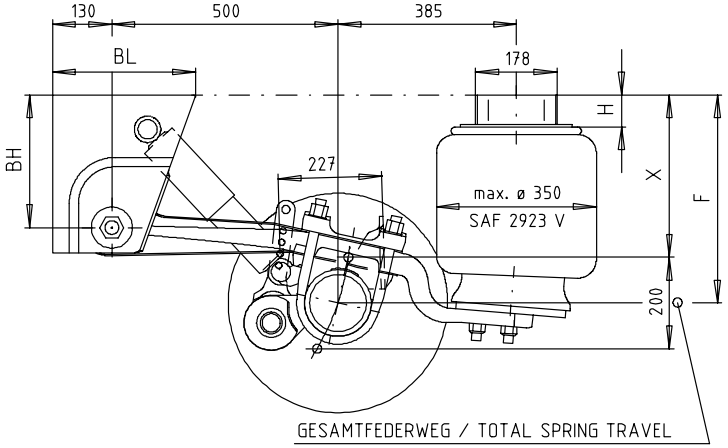
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9042 9000 kg SNK 420 x 180 385/65 R 22.5	1970/1100	2217	366 3)	0	1100	291
				30	1040	
				55 4)	990	
	1970/1200	2217	366 3)	0	1200 2)	291
				30	1140	
				55 4)	1090	
	2040/1200	2287	436 3)	0	1200	293
				30	1140	
				55 4)	1090	
	2040/1300	2287	436 3)	30	1240	293
				55 4)	1190	
	2040/1300	2287	690 3)	30	1240	291
	2090/1300	2337	486 3)	0	1300 2)	295
				30	1240	
				55 4)	1190	
	2090/1400	2337	486 3)	55 4)	1290	295

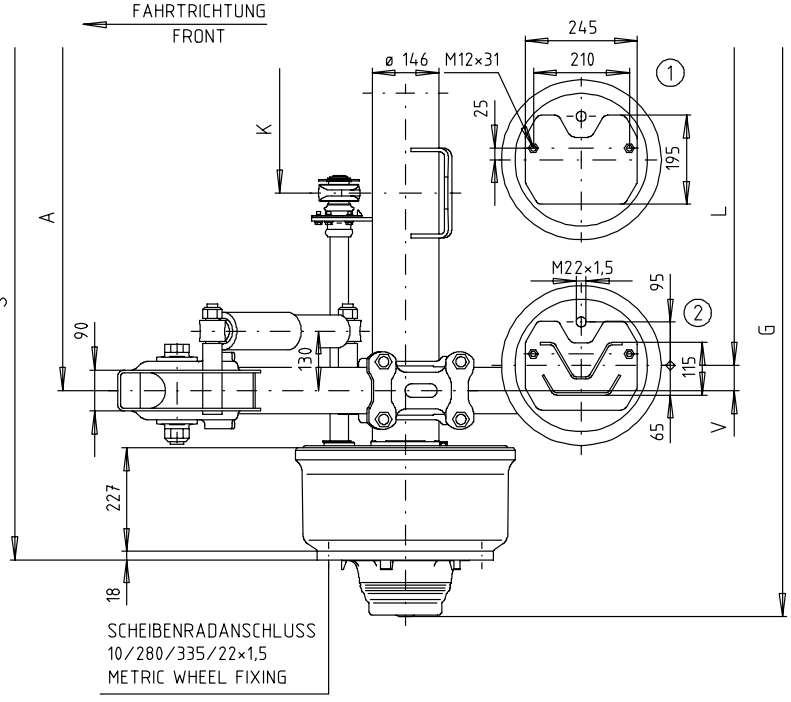
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 385/65 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-E29-SKRS9042

Nominal ride height 400 - 500 mm – Mono leaf trailing arm – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 E31	400	360-430	370-430	400-430	300	280	250	298	5 ①	182
M42/2504 E31	420	380-450	390-450	420-450	320	300	250	298	40 ②	183
M43/2904 E31	435	395-465	405-465	435-465	335	315	290	313	40 ②	186
M45/2907 E31	455	415-485	425-485	455-485	355	335	290	313	70 ②	187
M47/2910 E31	470	430-500	440-500	470-500	370	350	290	313	100 ②	188
M50/3510 E31	500	460-530	470-530	500-530	400	380	355	337	100 ②	193

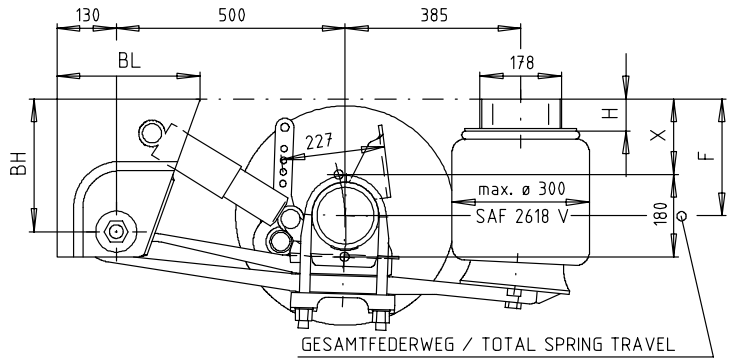
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9042 9000 kg SNK 420 x 180 385/65 R 22.5	1970/1100	2217	366 3)	0	1100	291
				30	1040	
				55 4)	990	
	1970/1200	2217	366 3)	30	1140 2)	291
				55 4)	1090	
	2040/1200	2287	436 3)	0	1200 2)	293
				30	1140	
				55 4)	1090	
	2040/1300	2287	436 3)	55 4)	1190	293
	2090/1300	2337	486 3)	30	1240	295
				55 4)	1190	
	2090/1400	2337	486 3)	70 4)	1260 2)	295

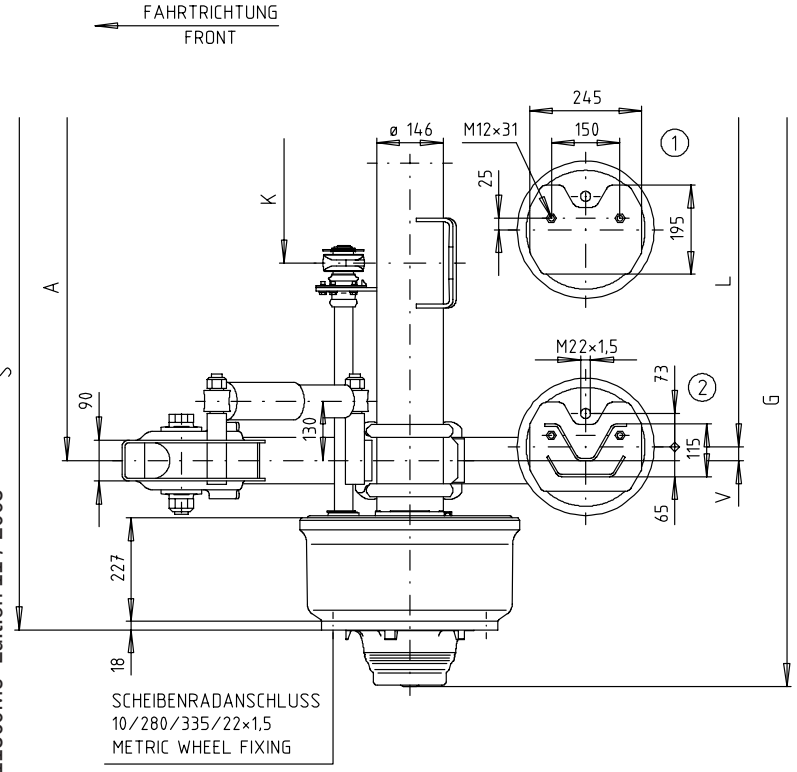
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 385/65 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=55 and V=70, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-E31-SKRS9042

Nominal ride height 200 - 330 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
U20/2500 N29	200	170-220	180-220	210-220	110	95	250	298	5 ①	180
U22/2504 N29	220	190-240	200-240	230-240	130	115	250	298	40 ②	181
U24/2904 N29	240	210-260	220-260	250-260	150	135	290	313	40 ②	184
U25/2907 N29	255	225-275	235-275	265-275	165	150	290	313	70 ②	185
U27/2910 N29	270	240-290	250-290	280-290	180	165	290	313	100 ②	186
U30/3510 N29	300	270-320	280-320	310-320	210	195	355	337	100 ②	191
U31/3513 N29	315	285-335	295-335	325-335	225	210	355	337	130 ②	192
U33/3516 N29	330	300-350	310-350	340-350	240	225	355	337	160 ②	193

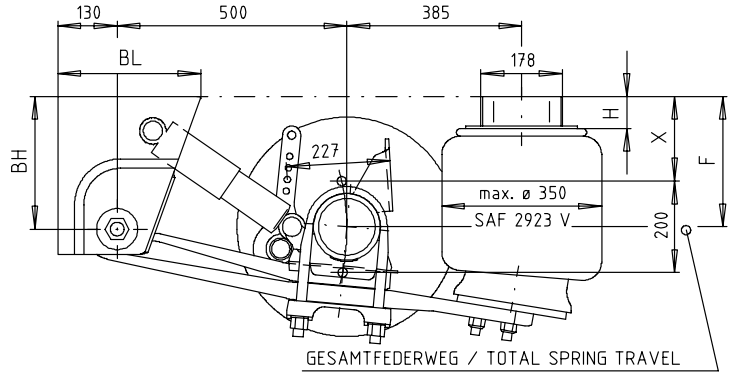
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9042 9000 kg SNK 420 x 180 385/65 R 22.5	1970/1100	2217	366 3)	0	1100	291
				30	1040	
				55 4)	990	
	1970/1200	2217	366 3)	0	1200 2)	291
				30	1140	
				55 4)	1090	
	2040/1200	2287	436 3)	0	1200	293
				30	1140	
				55 4)	1090	
	2040/1300	2287	436 3)	30	1240	293
				55 4)	1190	
	2040/1300	2287	690 3)	30	1240	291
	2090/1300	2337	486 3)	0	1300 2)	295
				30	1240	
				55 4)	1190	
	2090/1400	2337	486 3)	55 4)	1290	295

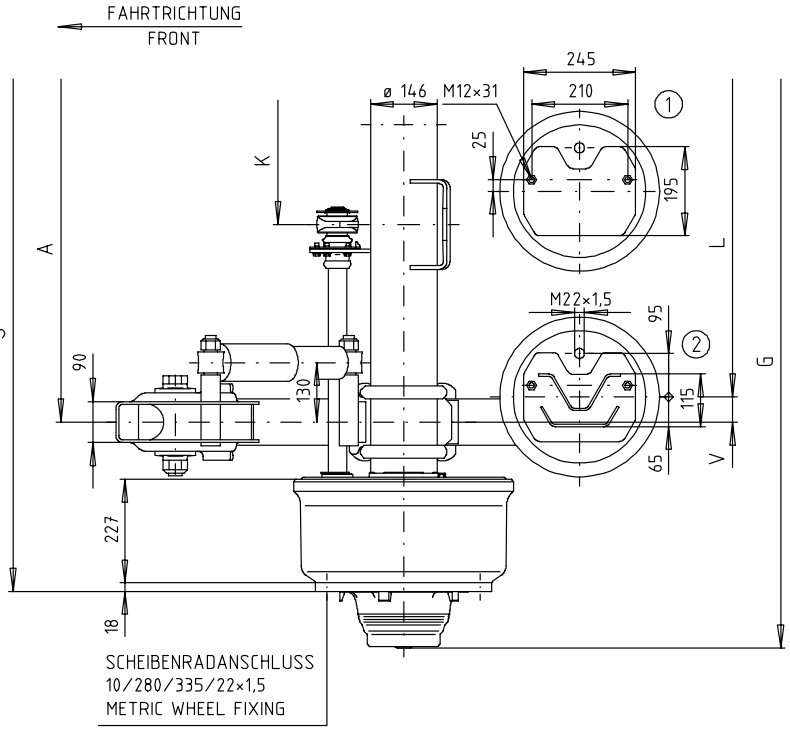
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 385/65 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N29-SKRS9042

Nominal ride height 230 - 365 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U23/2500 N31	230	195-265	205-265	235-265	135	120	250	298	5 ①	195
U25/2504 N31	250	215-285	225-285	255-285	155	140	250	298	40 ②	196
U27/2904 N31	270	235-305	245-305	275-305	175	160	290	313	40 ②	199
U28/2907 N31	285	250-320	260-320	290-320	190	175	290	313	70 ②	200
U30/2910 N31	300	265-335	275-335	305-335	205	190	290	313	100 ②	201
U33/3510 N31	330	295-365	305-365	335-365	235	220	355	337	100 ②	206
U35/3513 N31	350	315-385	325-385	355-385	255	240	355	337	130 ②	207
U36/3516 N31	365	330-400	340-400	370-400	270	255	355	337	160 ②	208

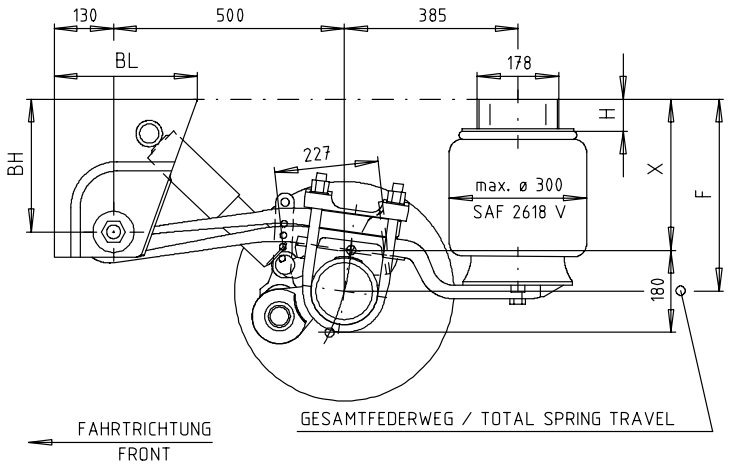
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9042 9000 kg SNK 420 x 180 385/65 R 22.5	1970/1100	2217	366 3)	0	1100	291
				30	1040	
				55 4)	990	
	1970/1200	2217	366 3)	30	1140 2)	291
				55 4)	1090	
	2040/1200	2287	436 3)	0	1200 2)	293
				30	1140	
				55 4)	1090	
	2040/1300	2287	436 3)	55 4)	1190	293
	2090/1300	2337	486 3)	30	1240	295
				55 4)	1190	
	2090/1400	2337	486 3)	70 4)	1260 2)	295

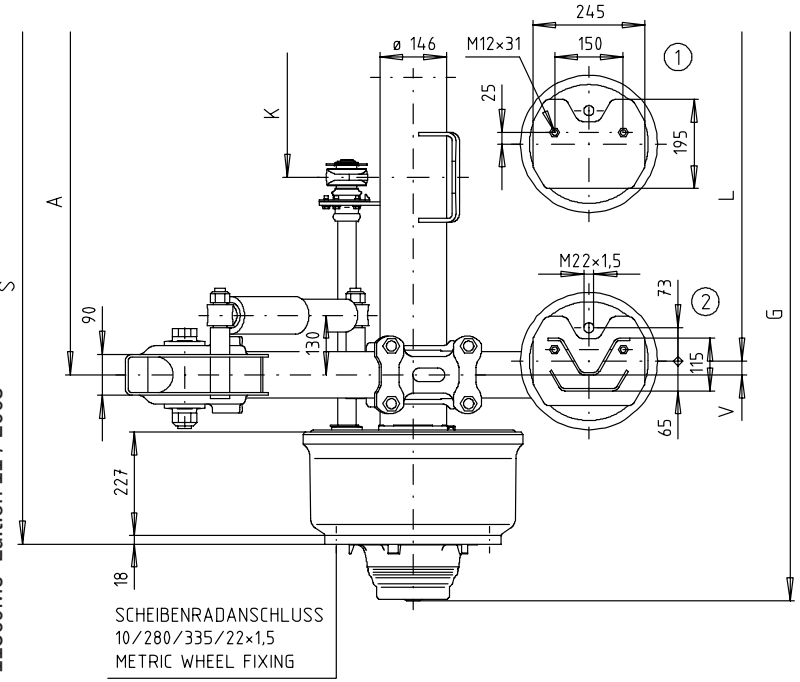
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 385/65 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=55 and V=70, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N31-SKRS9042

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 N29	365	340-390	350-390	380-390	280	265	250	298	5 ①	186
M38/2504 N29	385	360-410	370-410	400-410	300	285	250	298	40 ②	187
M40/2904 N29	400	375-425	385-425	415-425	315	300	290	313	40 ②	190
M42/2907 N29	420	395-445	405-445	435-445	335	320	290	313	70 ②	191
M43/2910 N29	435	410-460	420-460	450-460	350	335	290	313	100 ②	192
M46/3510 N29	465	440-490	450-490	480-490	380	365	355	337	100 ②	197

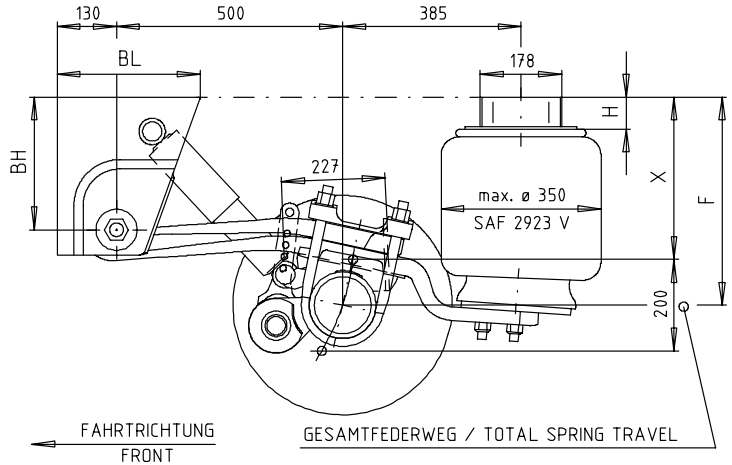
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9042 9000 kg SNK 420 x 180 385/65 R 22.5	1970/1100	2217	366 3)	0	1100	291
				30	1040	
				55 4)	990	
	1970/1200	2217	366 3)	0	1200 2)	291
				30	1140	
				55 4)	1090	
	2040/1200	2287	436 3)	0	1200	293
				30	1140	
				55 4)	1090	
	2040/1300	2287	436 3)	30	1240	293
				55 4)	1190	
	2040/1300	2287	690 3)	30	1240	291
	2090/1300	2337	486 3)	0	1300 2)	295
				30	1240	
				55 4)	1190	
	2090/1400	2337	486 3)	55 4)	1290	295

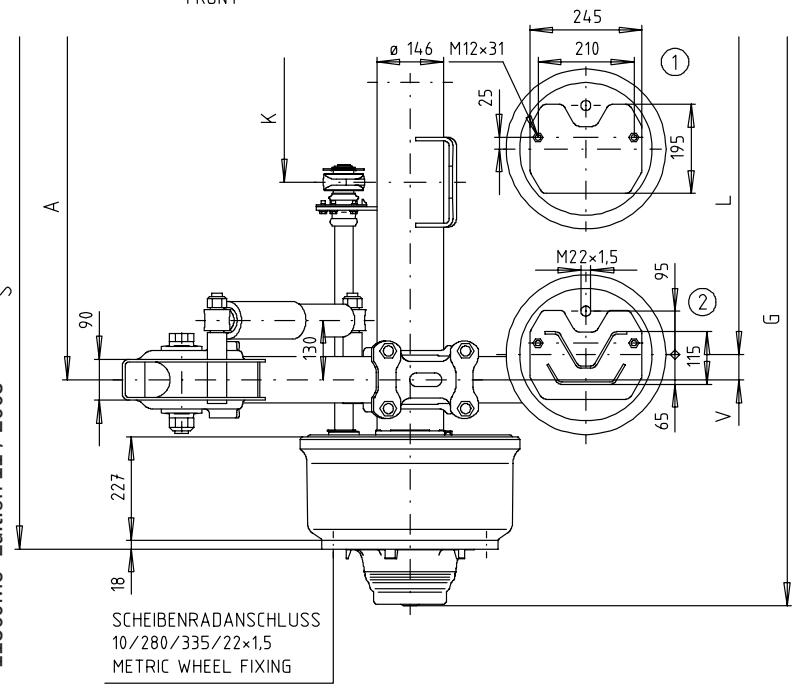
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 385/65 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N29-SKRS9042

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 N31	400	365-435	375-435	405-435	305	290	250	298	5 ①	201
M42/2504 N31	420	385-455	395-455	425-455	325	310	250	298	40 ②	202
M43/2904 N31	435	400-470	410-470	440-470	340	325	290	313	40 ②	205
M45/2907 N31	455	420-490	430-490	460-490	360	345	290	313	70 ②	206
M47/2910 N31	470	435-505	445-505	475-505	375	360	290	313	100 ②	207
M50/3510 N31	500	465-535	475-535	505-535	405	390	355	337	100 ②	212

Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9042 9000 kg SNK 420 x 180 385/65 R 22.5	1970/1100	2217	366 3)	0	1100	291
				30	1040	
				55 4)	990	
	1970/1200	2217	366 3)	30	1140 2)	291
				55 4)	1090	
	2040/1200	2287	436 3)	0	1200 2)	293
				30	1140	
				55 4)	1090	
	2040/1300	2287	436 3)	55 4)	1190	293
	2090/1300	2337	486 3)	30	1240	295
				55 4)	1190	
	2090/1400	2337	486 3)	70 4)	1260 2)	295

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 385/65 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=55 and V=70, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N31-SKRS9042

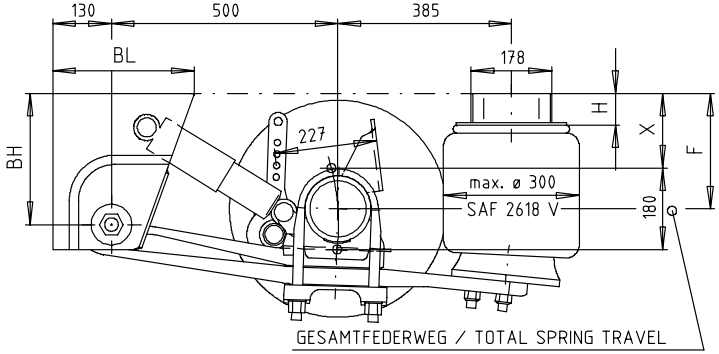
Air Suspension Series with Axle Type

SK RZ 9042

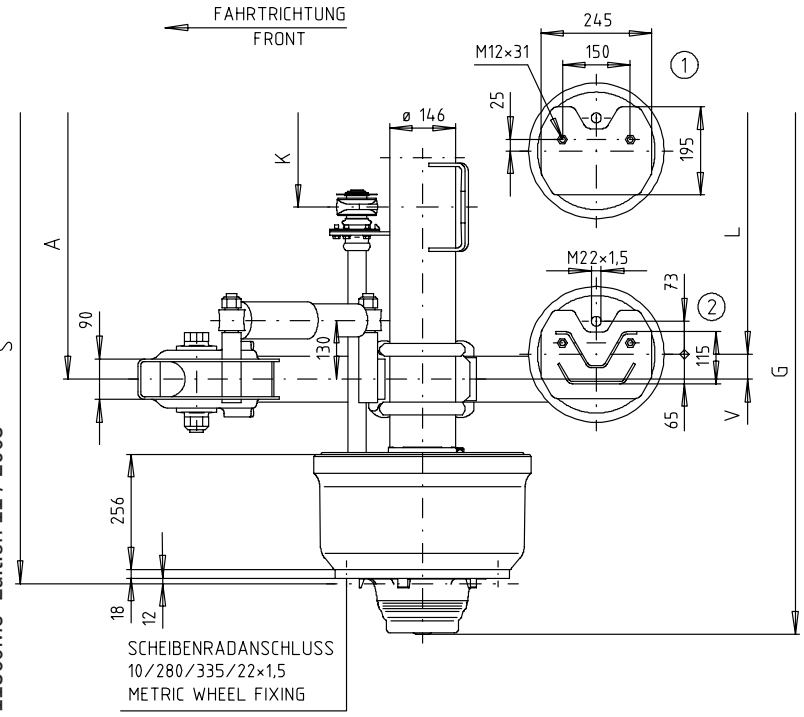
11360MS Edition 11 / 2003

CONTENTS

Nominal ride height 200 - 330 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U20/2500 N29	200	175-225	185-225	215-225	115	100	250	298	5 ①	180
U22/2504 N29	220	195-245	205-245	235-245	135	120	250	298	40 ②	181
U24/2904 N29	240	215-265	225-265	255-265	155	140	290	313	40 ②	184
U25/2907 N29	255	230-280	240-280	270-280	170	155	290	313	70 ②	185
U27/2910 N29	270	245-295	255-295	285-295	185	170	290	313	100 ②	186
U30/3510 N29	300	275-325	285-325	315-325	215	200	355	337	100 ②	191
U31/3513 N29	315	290-340	300-340	330-340	230	215	355	337	130 ②	192
U33/3516 N29	330	305-355	315-355	345-355	245	230	355	337	160 ②	193



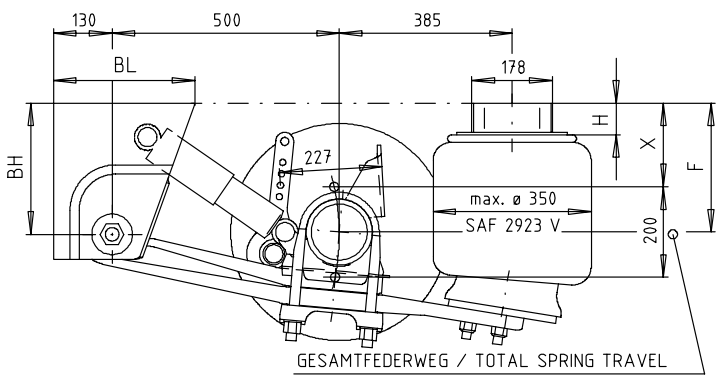
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9042 9000 kg SNK 420 x 180 10 R 22.5	1844/900	2067	221 3)	30 4)	840	310
				55	790	
				70	760	
	1844/980	2067	221 3)	55	870	310
				70	840	
	1884/980	2107	219 3)	30 4)	920 2)	312
				55	870	
				70	840	

Lenghts in mm, weights in kg

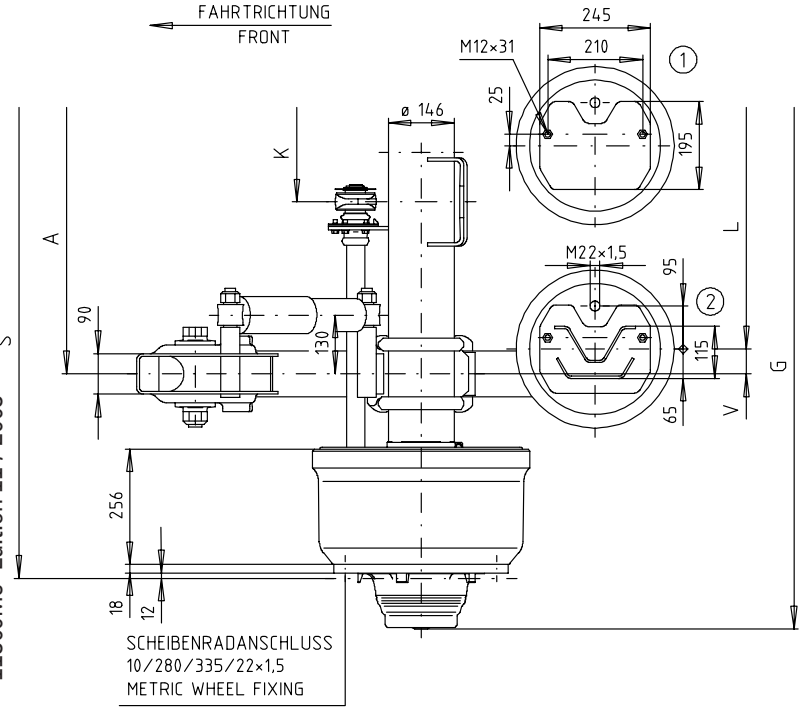
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N29-SKRZ9042

Nominal ride height 230 - 365 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
U23/2500 N31	230	200-270	210-270	240-270	140	125	250	298	5 ①	195
U25/2504 N31	250	220-290	230-290	260-290	160	145	250	298	40 ②	196
U27/2904 N31	270	240-310	250-310	280-310	180	165	290	313	40 ②	199
U28/2907 N31	285	255-325	265-325	295-325	195	180	290	313	70 ②	200
U30/2910 N31	300	270-340	280-340	310-340	210	195	290	313	100 ②	201
U33/3510 N31	330	300-370	310-370	340-370	240	225	355	337	100 ②	206
U35/3513 N31	350	320-390	330-390	360-390	260	245	355	337	130 ②	207
U36/3516 N31	365	335-405	345-405	375-405	275	260	355	337	160 ②	208



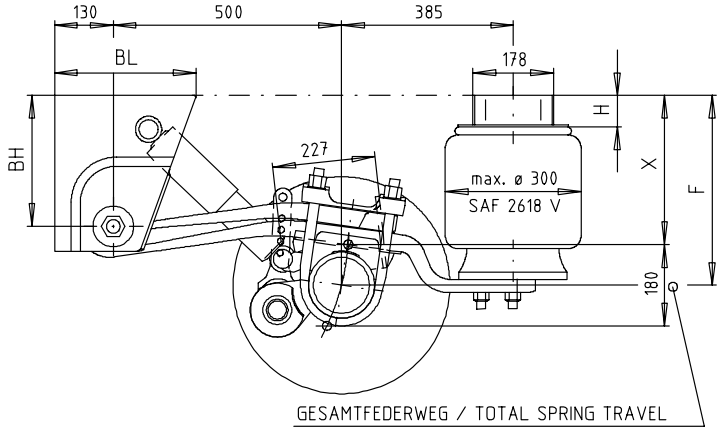
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9042 9000 kg SNK 420 x 180 10 R 22.5	1844/900	2067	221 3)	30 4)	840 2)3)	310
				55	790	
				70	760	
	1844/980	2067	221 3)	70	840 2)	310
	1884/980	2107	219 3)	55	870 2)	312
				70	840	

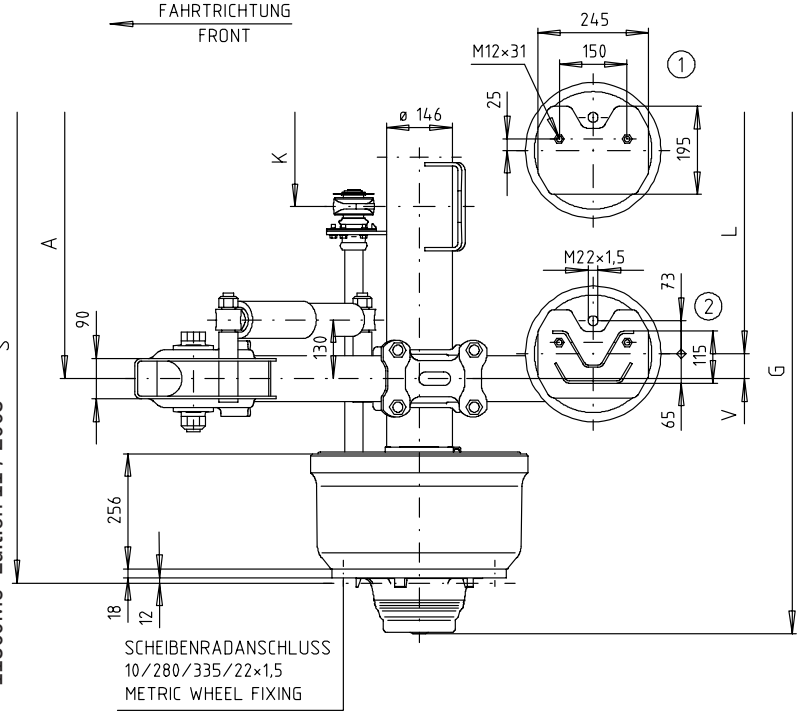
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N31-SKRZ9042

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 N29	365	345-395	355-395	385-395	285	270	250	298	5 ①	186
M38/2504 N29	385	365-415	375-415	405-415	305	290	250	298	40 ②	187
M40/2904 N29	400	380-430	390-430	420-430	320	305	290	313	40 ②	190
M42/2907 N29	420	400-450	410-450	440-450	340	325	290	313	70 ②	191
M43/2910 N29	435	415-465	425-465	455-465	355	340	290	313	100 ②	192
M46/3510 N29	465	445-495	455-495	485-495	385	370	355	337	100 ②	197

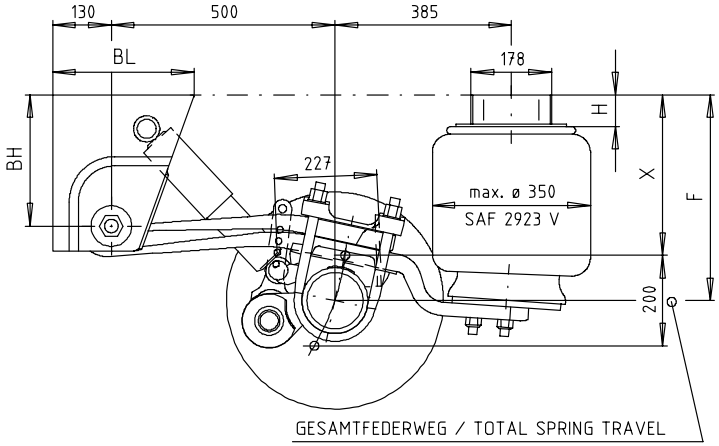
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9042	1844/900	2067	221 3)	30 4)	840	310
9000 kg				55	790	
SNK 420 x 180				70	760	
10 R 22.5	1844/980	2067	221 3)	55	870	310
				70	840	
	1884/980	2107	219 3)	30 4)	920 2)	312
				55	870	
				70	840	

Lenghts in mm, weights in kg

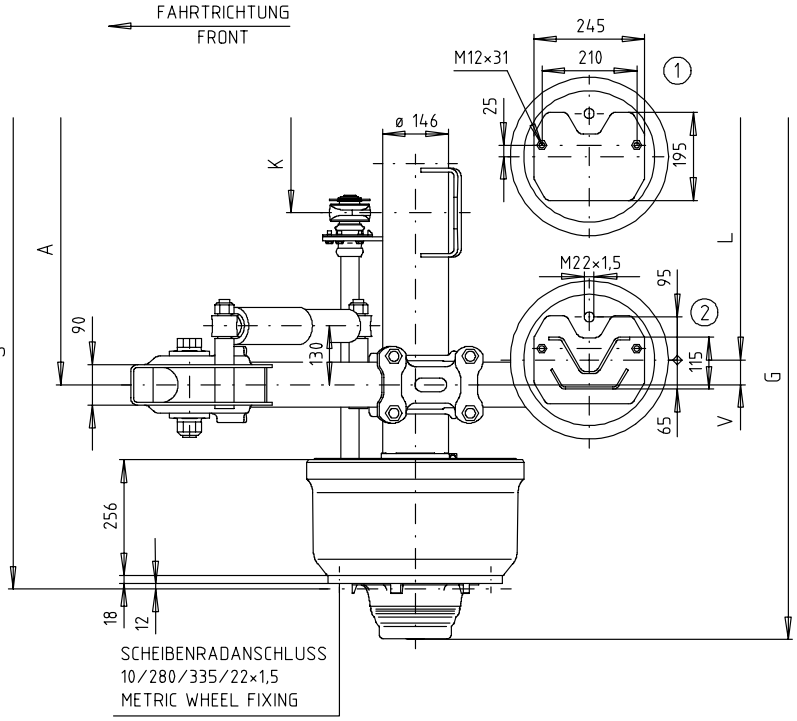
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N29-SKRZ9042

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 N31	400	370-440	380-440	410-440	310	295	250	298	5 ①	201
M42/2504 N31	420	390-460	400-460	430-460	330	315	250	298	40 ②	202
M43/2904 N31	435	405-475	415-475	445-475	345	330	290	313	40 ②	205
M45/2907 N31	455	425-495	435-495	465-495	365	350	290	313	70 ②	206
M47/2910 N31	470	440-510	450-510	480-510	380	365	290	313	100 ②	207
M50/3510 N31	500	470-540	480-540	510-540	410	395	355	337	100 ②	212



Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9042	1844/900	2067	221	30 4)	840 2)3)	310
9000 kg				55	790	
SNK 420 x 180				70	760	
10 R 22.5	1844/980	2067	221 3)	70	840 2)	310
	1884/980	2107	219 3)	55	870 2)	312
				70	840	

Lenghts in mm, weights in kg

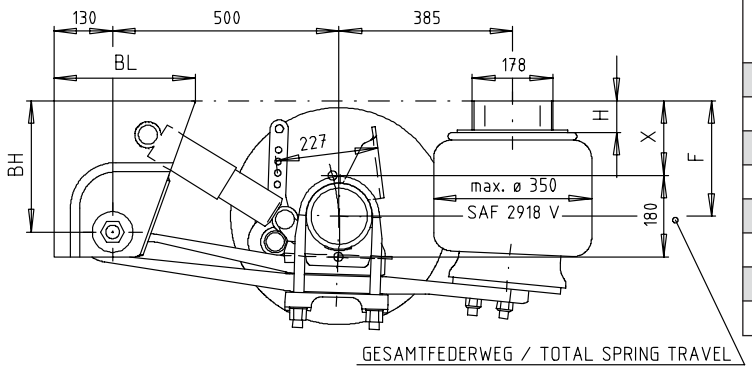
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

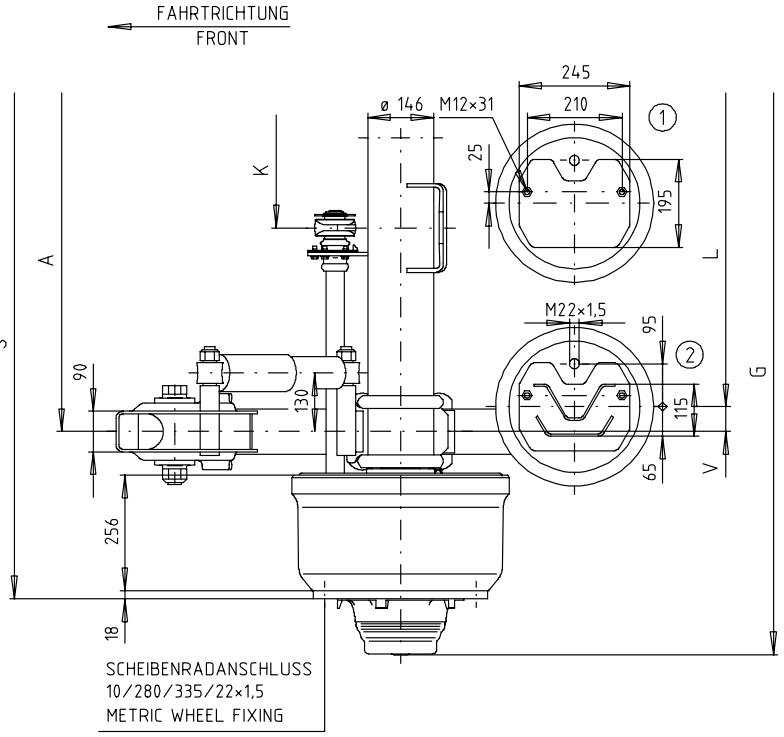
Ref. No.: M-N31-SKRZ9042

Air Suspension Series with Axle Type

SK RS 11242

Nominal ride height 200 - 330 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2918 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U20/2500 N27	200	175-225	185-225	215-225	115	100	250	298	5 ①	193
U22/2504 N27	220	195-245	205-245	235-245	135	120	250	298	40 ②	194
U24/2904 N27	240	215-265	225-265	255-265	155	140	290	313	40 ②	197
U25/2907 N27	255	230-280	240-280	270-280	170	155	290	313	70 ②	198
U27/2910 N27	270	245-295	255-295	285-295	185	170	290	313	100 ②	199
U30/3510 N27	300	275-325	285-325	315-325	215	200	355	337	100 ②	204
U31/3513 N27	315	290-340	300-340	330-340	230	215	355	337	130 ②	205
U33/3516 N27	330	305-355	315-355	345-355	245	230	355	337	160 ②	206

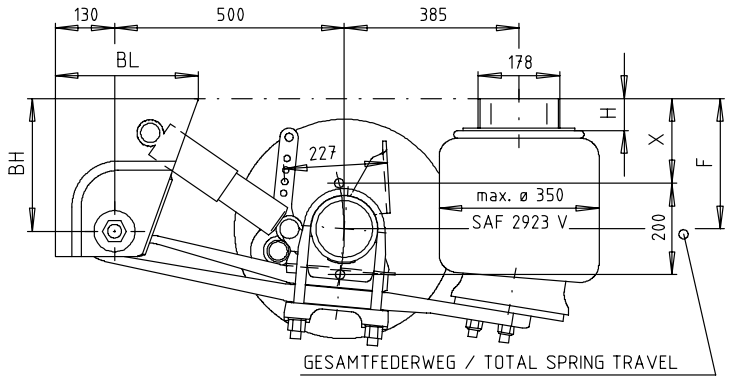
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 11242 10000 kg SNK 420 x 200 425/65 R 22.5	1970/1100	2217	329 3)	0 4)	1100 2)	317
				30 4)	1040	
				55	990	
	1970/1200	2217	329 3)	55	1090	317
				70	1060	
	2040/1200	2287	399 3)	30 4)	1140	320
				55	1090	
	2040/1300	2287	399 3)	55	1190 2)	320
				70	1160	
	2090/1300	2337	449 3)	30 4)	1240 2)	322
				55	1190	

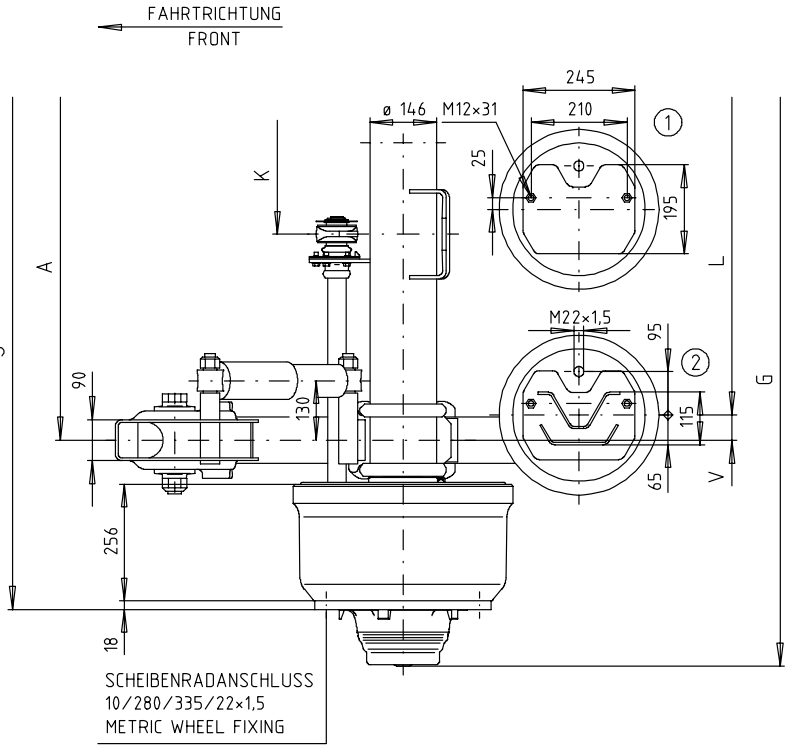
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/65 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N27-SKRS11242

Nominal ride height 230 - 365 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U23/2500 N31	230	200-270	210-270	240-270	140	125	250	298	5 ①	195
U25/2504 N31	250	220-290	230-290	260-290	160	145	250	298	40 ②	196
U27/2904 N31	270	240-310	250-310	280-310	180	165	290	313	40 ②	199
U28/2907 N31	285	255-325	265-325	295-325	195	180	290	313	70 ②	200
U30/2910 N31	300	270-340	280-340	310-340	210	195	290	313	100 ②	201
U33/3510 N31	330	300-370	310-370	340-370	240	225	355	337	100 ②	206
U35/3513 N31	350	320-390	330-390	360-390	260	245	355	337	130 ②	207
U36/3516 N31	365	335-405	345-405	375-405	275	260	355	337	160 ②	208

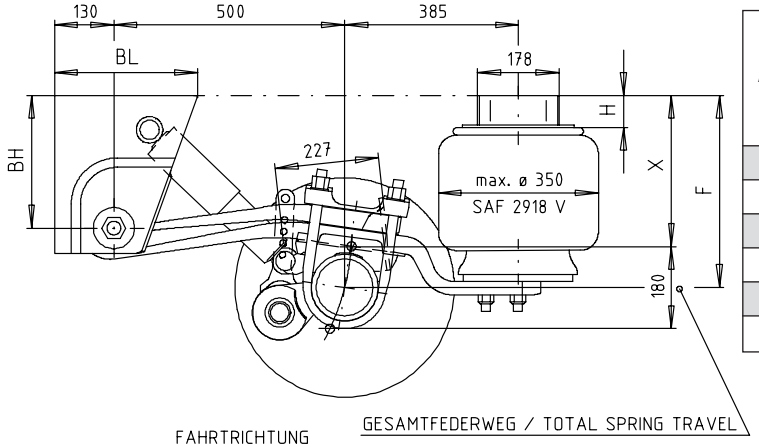
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 11242 10000 kg SNK 420 x 200 425/65 R 22.5	1970/1100	2217	329 3)	0 4)	1100 2)	317
				30 4)	1040	
				55	990	
	1970/1200	2217	329 3)	55	1090	317
				70	1060	
	2040/1200	2287	399 3)	30 4)	1140	320
				55	1090	
	2040/1300	2287	399 3)	55	1190 2)	320
				70	1160	
	2090/1300	2337	449 3)	30 4)	1240 2)	322
				55	1190	

Lenghts in mm, weights in kg

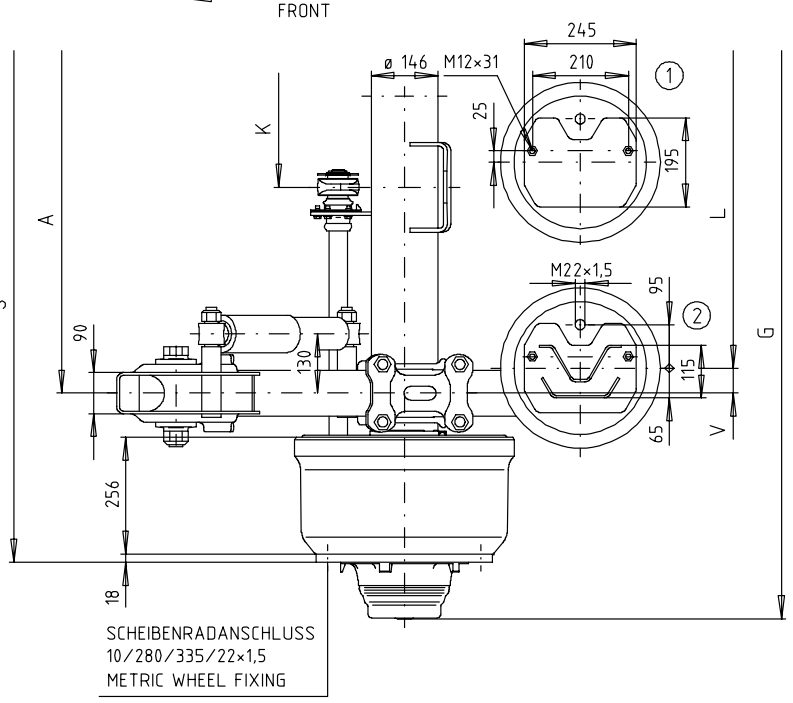
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/65 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N31-SKRS11242

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2918 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 N27	365	345-395	355-395	385-395	285	270	250	298	5 ①	199
M38/2504 N27	385	365-415	375-415	405-415	305	290	250	298	40 ②	200
M40/2904 N27	400	380-430	390-430	420-430	320	305	290	313	40 ②	203
M42/2907 N27	420	400-450	410-450	440-450	340	325	290	313	70 ②	204
M43/2910 N27	435	415-465	425-465	455-465	355	340	290	313	100 ②	205
M46/3510 N27	465	445-495	455-495	485-495	385	370	355	337	100 ②	210



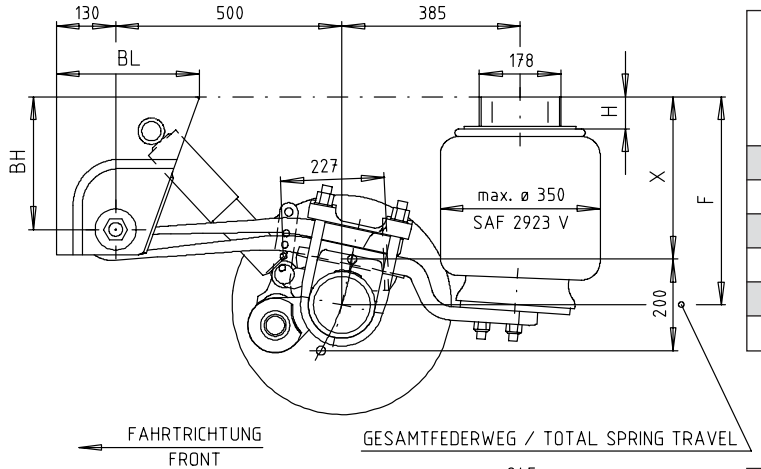
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 11242 10000 kg SNK 420 x 200 425/65 R 22.5	1970/1100	2217	329 3)	0 4)	1100 2)	317
				30 4)	1040	
				55	990	
	1970/1200	2217	329 3)	55	1090	317
				70	1060	
	2040/1200	2287	399 3)	30 4)	1140	320
				55	1090	
	2040/1300	2287	399 3)	55	1190 2)	320
				70	1160	
	2090/1300	2337	449 3)	30 4)	1240 2)	322
				55	1190	

Lenghts in mm, weights in kg

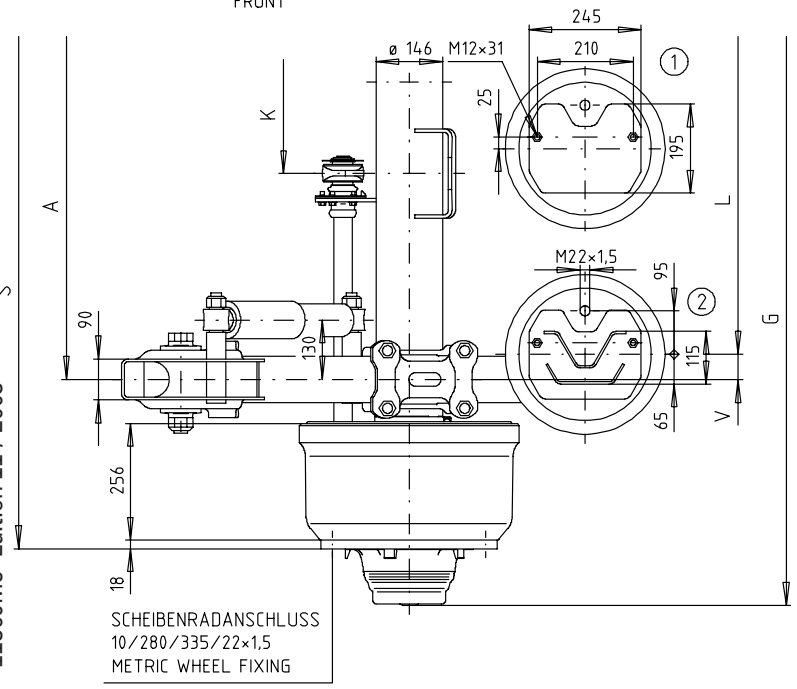
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/65 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N27-SKRS11242

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 N31	400	370-440	380-440	410-440	310	295	250	298	5 ①	201
M42/2504 N31	420	390-460	400-460	430-460	330	315	250	298	40 ②	202
M43/2904 N31	435	405-475	415-475	445-475	345	330	290	313	40 ②	205
M45/2907 N31	455	425-495	435-495	465-495	365	350	290	313	70 ②	206
M47/2910 N31	470	440-510	450-510	480-510	380	365	290	313	100 ②	207
M50/3510 N31	500	470-540	480-540	510-540	410	395	355	337	100 ②	212



Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 11242 10000 kg SNK 420 x 200 425/65 R 22.5	1970/1100	2217	329 3)	0 4)	1100 2)	317
				30 4)	1040	
				55	990	
	1970/1200	2217	329 3)	55	1090	317
				70	1060	
	2040/1200	2287	399 3)	30 4)	1140	320
				55	1090	
	2040/1300	2287	399 3)	55	1190 2)	320
				70	1160	
	2090/1300	2337	449 3)	30 4)	1240 2)	322
				55	1190	

Lenghts in mm, weights in kg

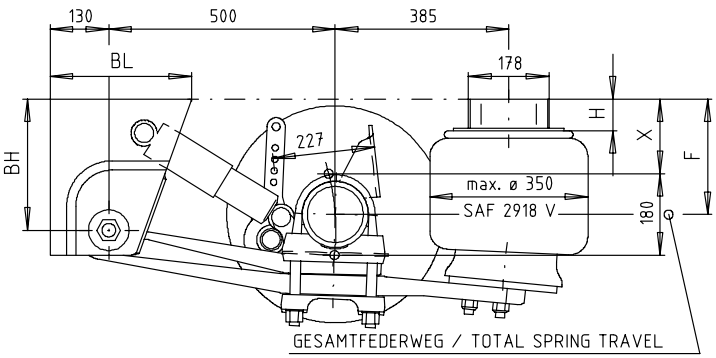
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/65 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N31-SKRS11242

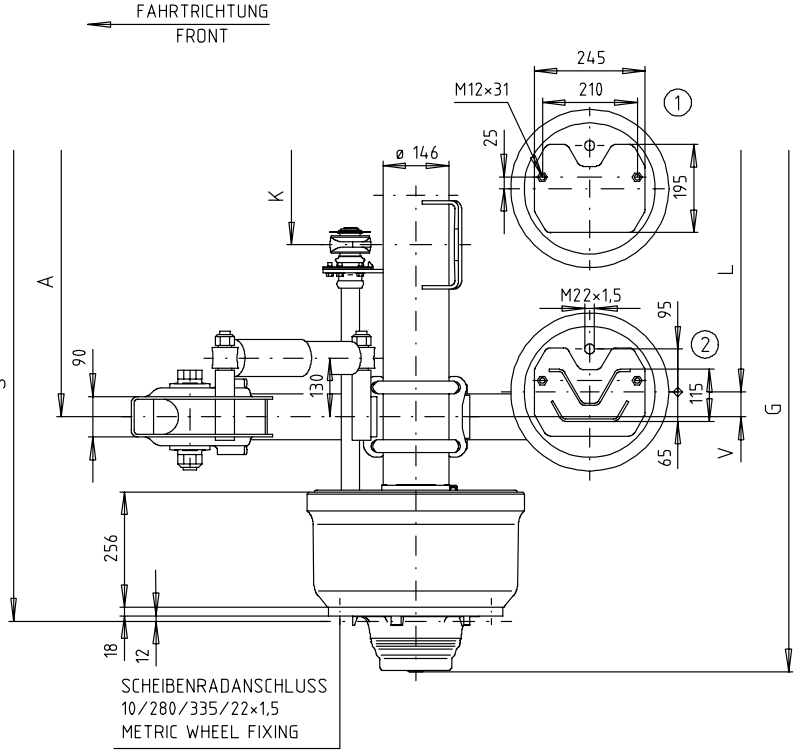
Air Suspension Series with Axle Type

SK RZ 11242

Nominal ride height 200 - 330 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2918 V



Air suspension type	F	Ride height range 4)			X overall height 4)		BH	BL	H	Weight approx.
	Nominal ride height	for single axles	for axle assemblies	for axle assemblies with lift	unladen without air	laden without air	hanger bracket height	hanger bracket length	air suspension bracket	
U20/2500 S27	200	175-225	185-225	215-225	115	105	250	298	5 ①	203
U22/2504 S27	220	195-245	205-245	235-245	135	125	250	298	40 ②	204
U24/2904 S27	240	215-265	225-265	255-265	155	145	290	313	40 ②	207
U25/2907 S27	255	230-280	240-280	270-280	170	160	290	313	70 ②	208
U27/2910 S27	270	245-295	255-295	285-295	185	175	290	313	100 ②	209
U30/3510 S27	300	275-325	285-325	315-325	215	205	355	337	100 ②	214
U31/3513 S27	315	290-340	300-340	330-340	230	220	355	337	130 ②	215
U33/3516 S27	330	305-355	315-355	345-355	245	235	355	337	160 ②	216



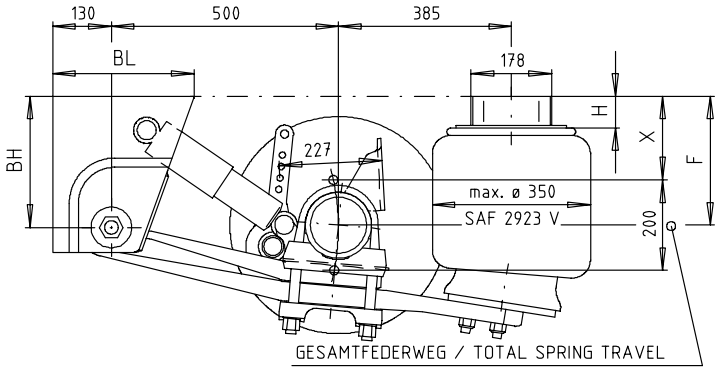
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11242	1844/900	2067	221	30 4)	840 2)3)	312
10000 kg				55	790	
SNK 420 x 200				70	760	
11 R 22.5	1844/980	2067	221 3)	70	840 2)	312
	1884/980	2107	219 3)	55	870 2)	314
				70	840	

Lenghts in mm, weights in kg

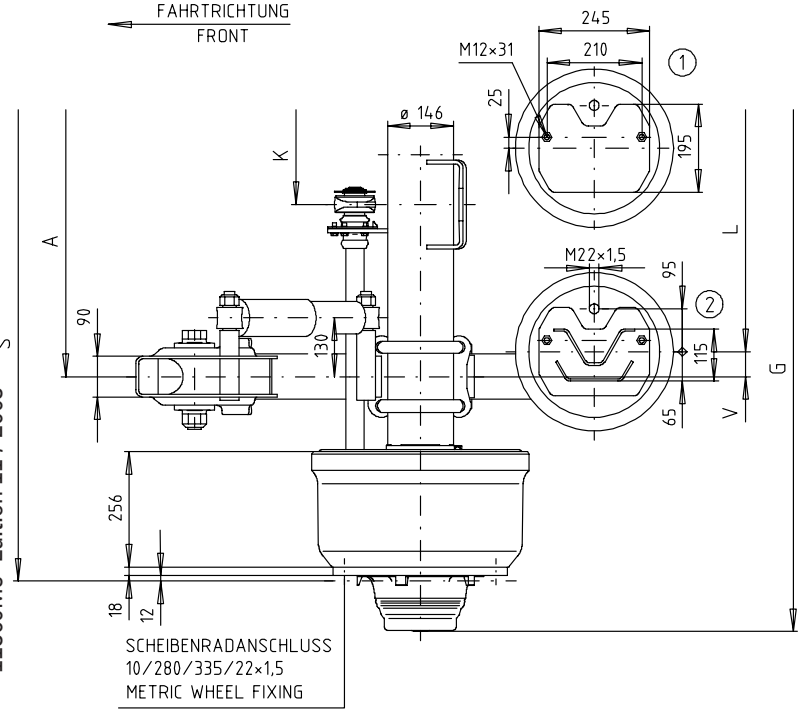
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-S27-SKRZ11242

Nominal ride height 230 - 365 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2923 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U23/2500 S31	230	200-270	210-270	240-270	140	130	250	298	5 ①	205
U25/2504 S31	250	220-290	230-290	260-290	160	150	250	298	40 ②	206
U27/2904 S31	270	240-310	250-310	280-310	180	170	290	313	40 ②	209
U28/2907 S31	285	255-325	265-325	295-325	195	185	290	313	70 ②	210
U30/2910 S31	300	270-340	280-340	310-340	210	200	290	313	100 ②	211
U33/3510 S31	330	300-370	310-370	340-370	240	230	355	337	100 ②	216
U35/3513 S31	350	320-390	330-390	360-390	260	250	355	337	130 ②	217
U36/3516 S31	365	335-405	345-405	375-405	275	265	355	337	160 ②	218



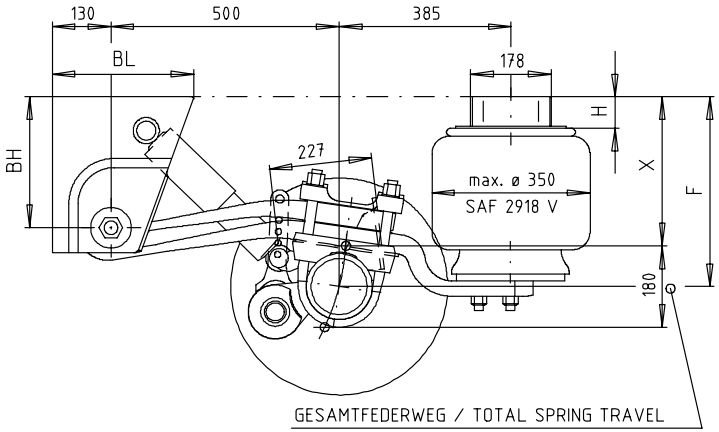
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11242 10000 kg SNK 420 x 200 11 R 22.5	1844/900	2067	221	30 4)	840 2)3)	310
				55	790	
				70	760	
	1844/980	2067	221 3)	70	840 2)	310
	1884/980	2107	219 3)	55	870 2)	312
				70	840	

Lenghts in mm, weights in kg

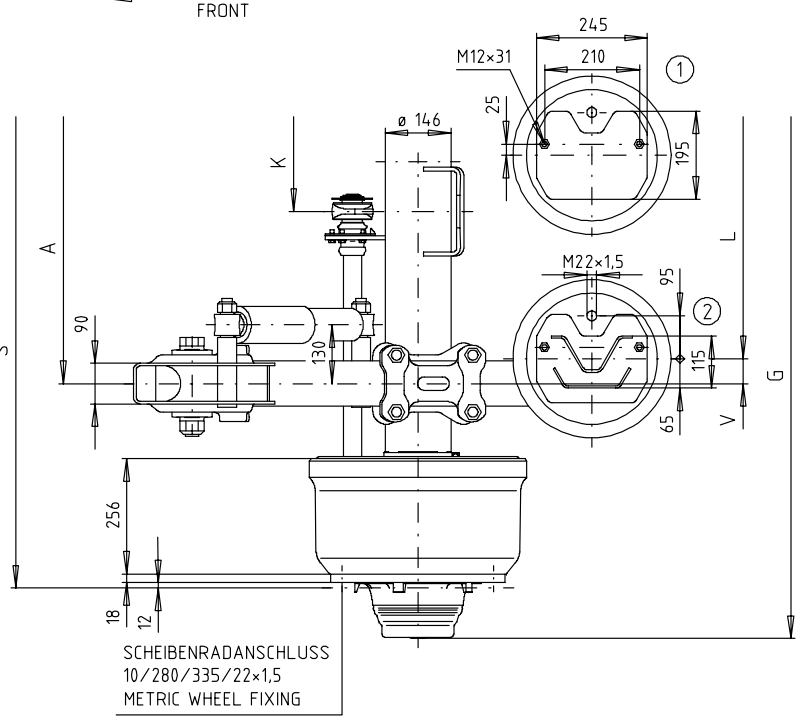
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-S31-SKRZ11242

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2918 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 S27	365	345-395	355-395	385-395	285	275	250	298	5 ①	209
M38/2504 S27	385	365-415	375-415	405-415	305	295	250	298	40 ②	210
M40/2904 S27	400	380-430	390-430	420-430	320	310	290	313	40 ②	213
M42/2907 S27	420	400-450	410-450	440-450	340	330	290	313	70 ②	214
M43/2910 S27	435	415-465	425-465	455-465	355	345	290	313	100 ②	215
M46/3510 S27	465	445-495	455-495	485-495	385	375	355	337	100 ②	220



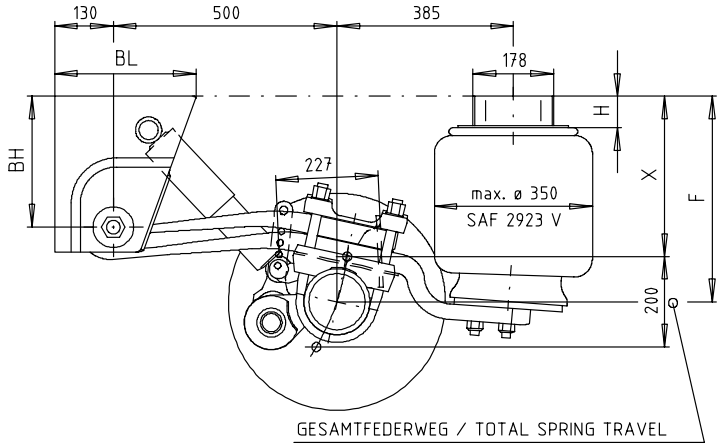
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11242	1844/900	2067	221	30 4)	840 2)3)	312
10000 kg				55	790	
SNK 420 x 200				70	760	
11 R 22.5	1844/980	2067	221 3)	70	840 2)	312
	1884/980	2107	219 3)	55	870 2)	314
				70	840	

Lenghts in mm, weights in kg

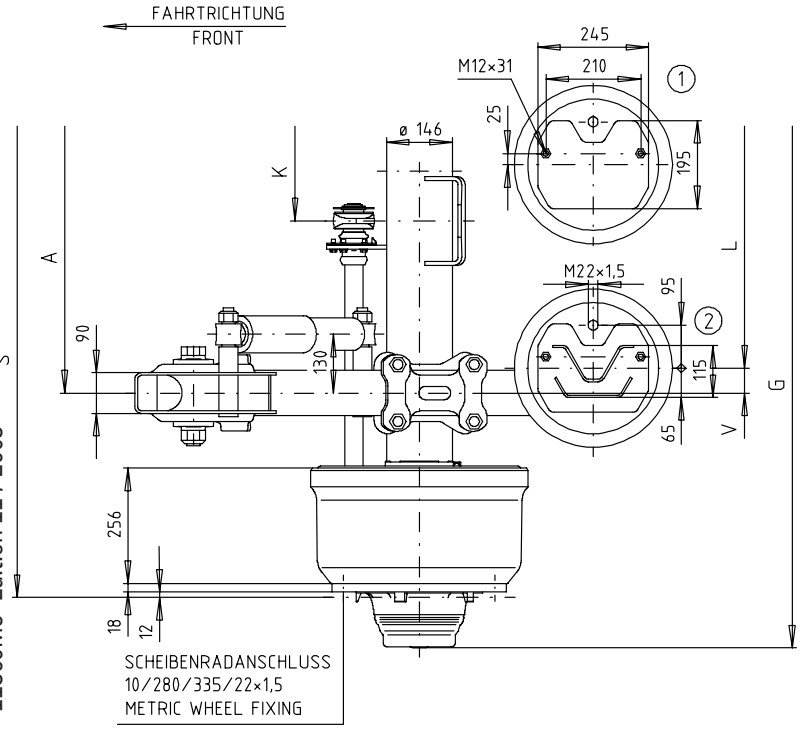
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-S27-SKRZ11242

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2923 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 S31	400	370-440	380-440	410-440	310	300	250	298	5 ①	211
M42/2504 S31	420	390-460	400-460	430-460	330	320	250	298	40 ②	212
M43/2904 S31	435	405-475	415-475	445-475	345	335	290	313	40 ②	215
M45/2907 S31	455	425-495	435-495	465-495	365	355	290	313	70 ②	216
M47/2910 S31	470	440-510	450-510	480-510	380	370	290	313	100 ②	217
M50/3510 S31	500	470-540	480-540	510-540	410	400	355	337	100 ②	222



Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11242	1844/900	2067	221	30 4)	840 2)3)	312
10000 kg				55	790	
SNK 420 x 200				70	760	
11 R 22.5	1844/980	2067	221 3)	70	840 2)	312
	1884/980	2107	219 3)	55	870 2)	314
				70	840	

Lenghts in mm, weights in kg

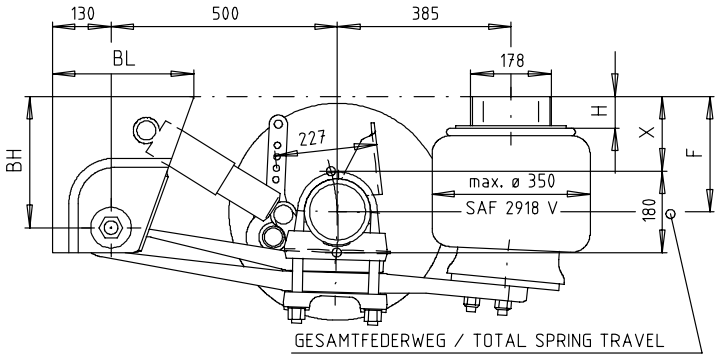
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-S31-SKRZ11242

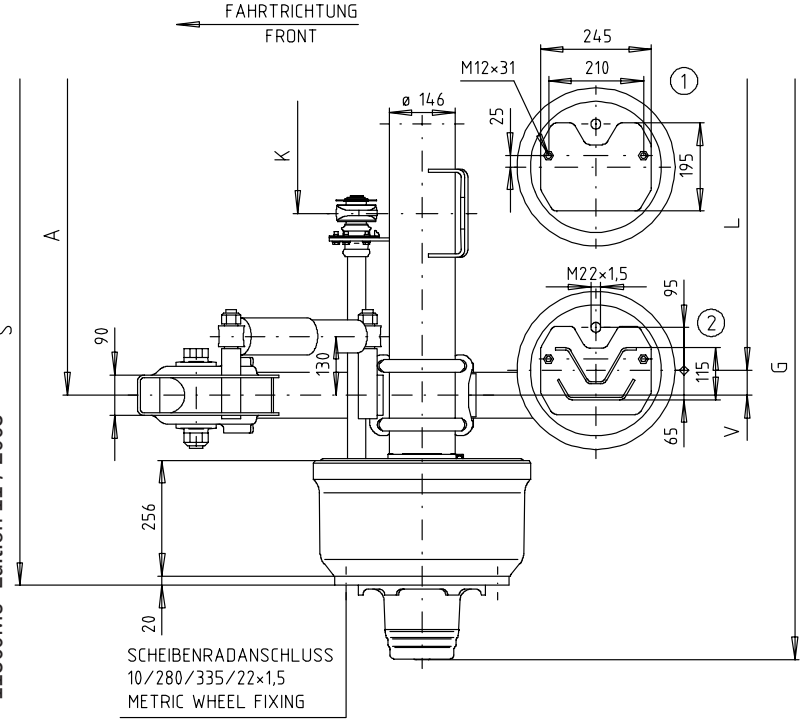
Air Suspension Series with Axle Type

SK RS 12242

Nominal ride height 200 - 330 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2918 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U20/2500 S27	200	175-225	185-225	215-225	115	105	250	298	5 ①	203
U22/2504 S27	220	195-245	205-245	235-245	135	125	250	298	40 ②	204
U24/2904 S27	240	215-265	225-265	255-265	155	145	290	313	40 ②	207
U25/2907 S27	255	230-280	240-280	270-280	170	160	290	313	70 ②	208
U27/2910 S27	270	245-295	255-295	285-295	185	175	290	313	100 ②	209
U30/3510 S27	300	275-325	285-325	315-325	215	205	355	337	100 ②	214
U31/3513 S27	315	290-340	300-340	330-340	230	220	355	337	130 ②	215
U33/3516 S27	330	305-355	315-355	345-355	245	235	355	337	160 ②	216



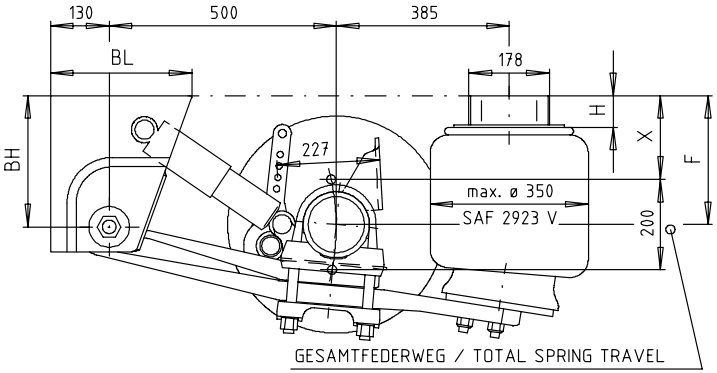
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 12242 12000 kg SNK 420 x 200 445/65 R 22.5	1970/1100	2299	325 3)	30 4)	1040	347
				55	990	
	1970/1200	2299	325 3)	55	1090 2)	347
				70	1060	
	2040/1200	2369	395 3)	30 4)	1140	350
				55	1090	
	2040/1300	2369	395 3)	70	1160 2)	350
	2090/1300	2419	445 3)	55	1190	352
				70	1160	

Lenghts in mm, weights in kg

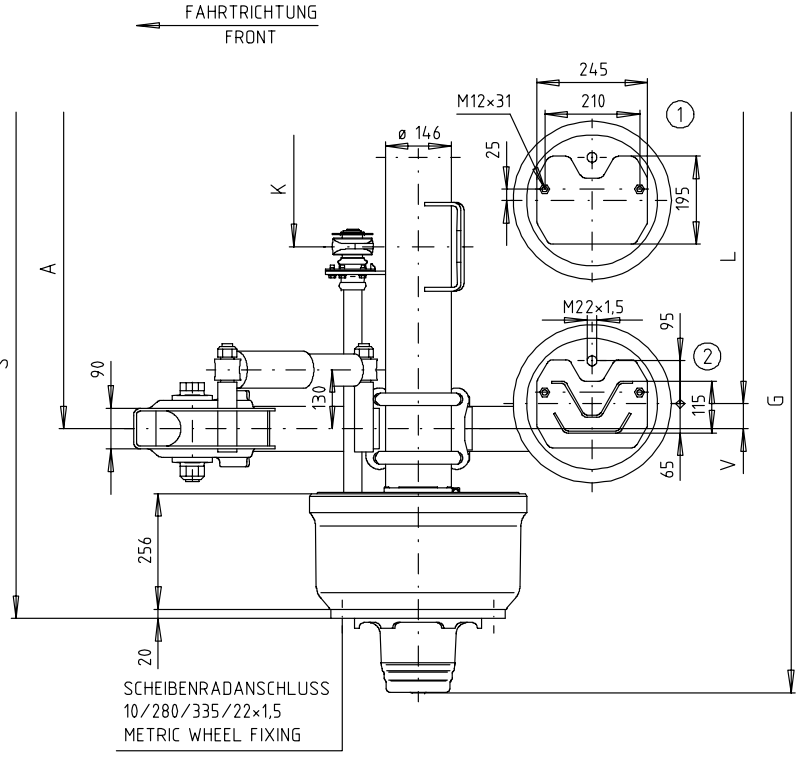
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 445/65 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-S27-SKRS12242

Nominal ride height 230 - 365 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2923 V



Air suspension type	F	Ride height range 4)			X overall height 4)		BH	BL	H	Weight approx.
	Nominal ride height	for single axles	for axle assemblies	for axle assemblies with lift	unladen without air	laden without air	hanger bracket height	hanger bracket length	air suspension bracket	
U23/2500 S31	230	200-270	210-270	240-270	140	130	250	298	5 ①	205
U25/2504 S31	250	220-290	230-290	260-290	160	150	250	298	40 ②	206
U27/2904 S31	270	240-310	250-310	280-310	180	170	290	313	40 ②	209
U28/2907 S31	285	255-325	265-325	295-325	195	185	290	313	70 ②	210
U30/2910 S31	300	270-340	280-340	310-340	210	200	290	313	100 ②	211
U33/3510 S31	330	300-370	310-370	340-370	240	230	355	337	100 ②	216
U35/3513 S31	350	320-390	330-390	360-390	260	250	355	337	130 ②	217
U36/3516 S31	365	335-405	345-405	375-405	275	265	355	337	160 ②	218



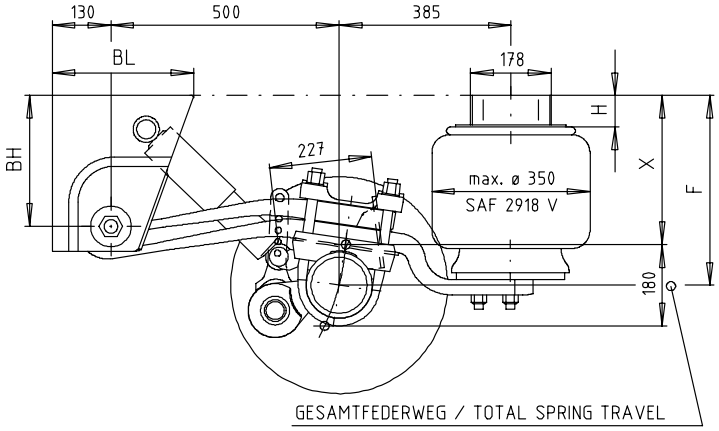
Axle type / axle load / brakes Tyres (example)	S / A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 12242 12000 kg SNK 420 x 200 445/65 R 22.5	1970/1100	2299	325 3)	30 4)	1040	347
				55	990	
	1970/1200	2299	325 3)	55	1090 2)	347
				70	1060	
	2040/1200	2369	395 3)	30 4)	1140	350
				55	1090	
	2040/1300	2369	395 3)	70	1160 2)	350
	2090/1300	2419	445 3)	55	1190	352
				70	1160	

Lenghts in mm, weights in kg

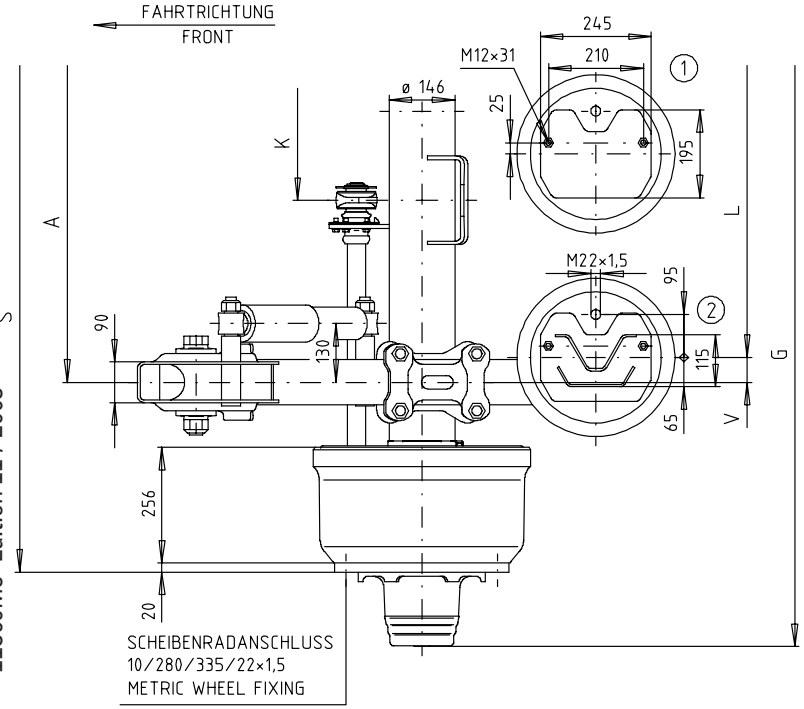
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 445/65 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-S31-SKRS12242

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2918 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 S27	365	345-395	355-395	385-395	285	275	250	298	5 ①	209
M38/2504 S27	385	365-415	375-415	405-415	305	295	250	298	40 ②	210
M40/2904 S27	400	380-430	390-430	420-430	320	310	290	313	40 ②	213
M42/2907 S27	420	400-450	410-450	440-450	340	330	290	313	70 ②	214
M43/2910 S27	435	415-465	425-465	455-465	355	345	290	313	100 ②	215
M46/3510 S27	465	445-495	455-495	485-495	385	375	355	337	100 ②	220



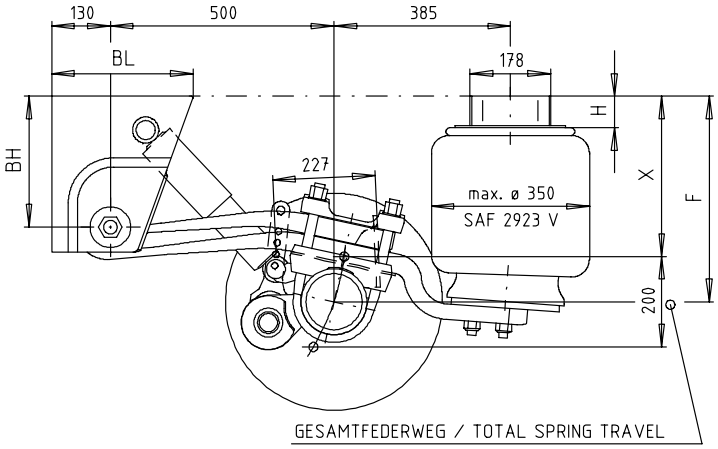
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 12242 12000 kg SNK 420 x 200 445/65 R 22.5	1970/1100	2299	325 3)	30 4)	1040	347
				55	990	
	1970/1200	2299	325 3)	55	1090 2)	347
				70	1060	
	2040/1200	2369	395 3)	30 4)	1140	350
				55	1090	
	2040/1300	2369	395 3)	70	1160 2)	350
	2090/1300	2419	445 3)	55	1190	352
				70	1160	

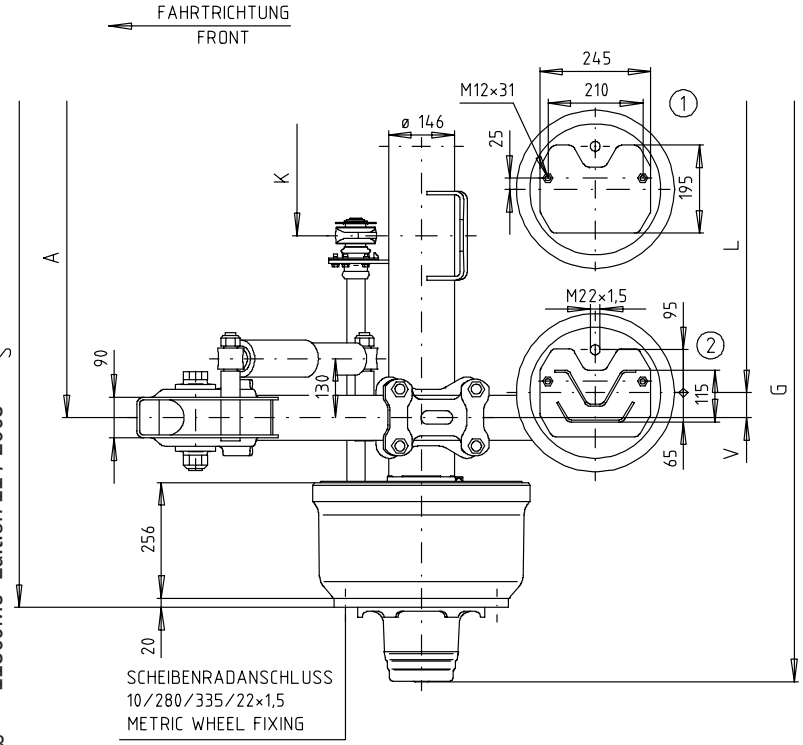
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 445/65 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-S27-SKRS12242

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 S31	400	370-440	380-440	410-440	310	300	250	298	5 ①	211
M42/2504 S31	420	390-460	400-460	430-460	330	320	250	298	40 ②	212
M43/2904 S31	435	405-475	415-475	445-475	345	335	290	313	40 ②	215
M45/2907 S31	455	425-495	435-495	465-495	365	355	290	313	70 ②	216
M47/2910 S31	470	440-510	450-510	480-510	380	370	290	313	100 ②	217
M50/3510 S31	500	470-540	480-540	510-540	410	400	355	337	100 ②	222

Axle type / axle load / brakes Tyres (example)	S / A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 12242 12000 kg SNK 420 x 200 445/65 R 22.5	1970/1100	2299	325 3)	30 4)	1040	347
				55	990	
	1970/1200	2299	325 3)	55	1090 2)	347
				70	1060	
	2040/1200	2369	395 3)	30 4)	1140	350
				55	1090	
	2040/1300	2369	395 3)	70	1160 2)	350
	2090/1300	2419	445 3)	55	1190	352
				70	1160	

Lenghts in mm, weights in kg

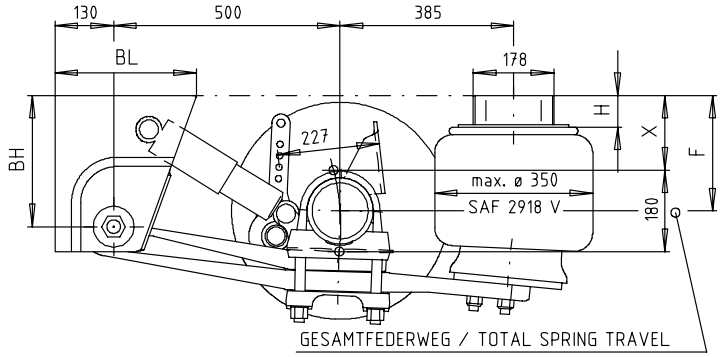
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 445/65 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Air Suspension Series with Axle Type

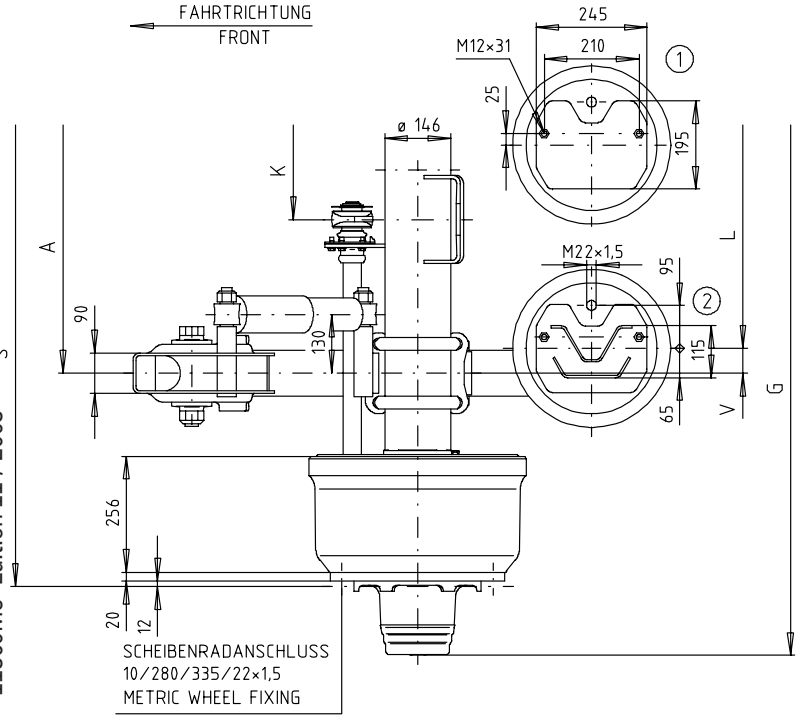
SK RZ 12242

CONTENTS

Nominal ride height 200 - 330 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2918 V



Air suspension type	F Nominal ride height	Ride height range for single axles	for axle assemblies	for axle assemblies with lift	X overall height unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U20/2500 S27	200	175-225	185-225	215-225	115	105	250	298	5 ①	203
U22/2504 S27	220	195-245	205-245	235-245	135	125	250	298	40 ②	204
U24/2904 S27	240	215-265	225-265	255-265	155	145	290	313	40 ②	207
U25/2907 S27	255	230-280	240-280	270-280	170	160	290	313	70 ②	208
U27/2910 S27	270	245-295	255-295	285-295	185	175	290	313	100 ②	209
U30/3510 S27	300	275-325	285-325	315-325	215	205	355	337	100 ②	214
U31/3513 S27	315	290-340	300-340	330-340	230	220	355	337	130 ②	215
U33/3516 S27	330	305-355	315-355	345-355	245	235	355	337	160 ②	216



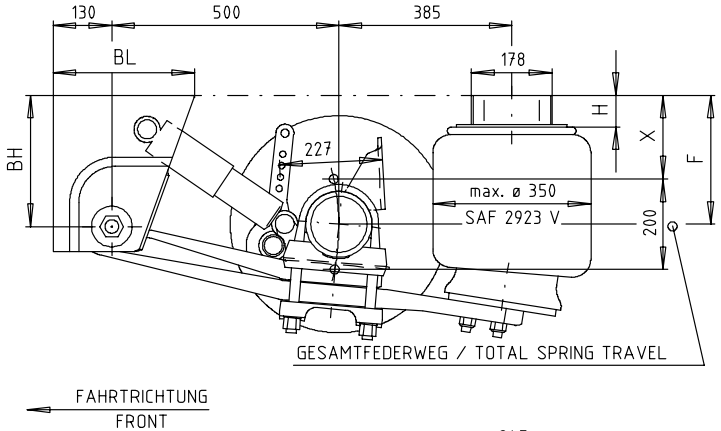
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 12242 12000 kg SNK 420 x 200 12 R 22.5	1844/900	2149	220	55	790 2)3)	332
				70	760	
	1884/900	2189	231	55	790	334
				70	760	
	1884/980	2189	231 3)	70	840 2)	334

Lenghts in mm, weights in kg

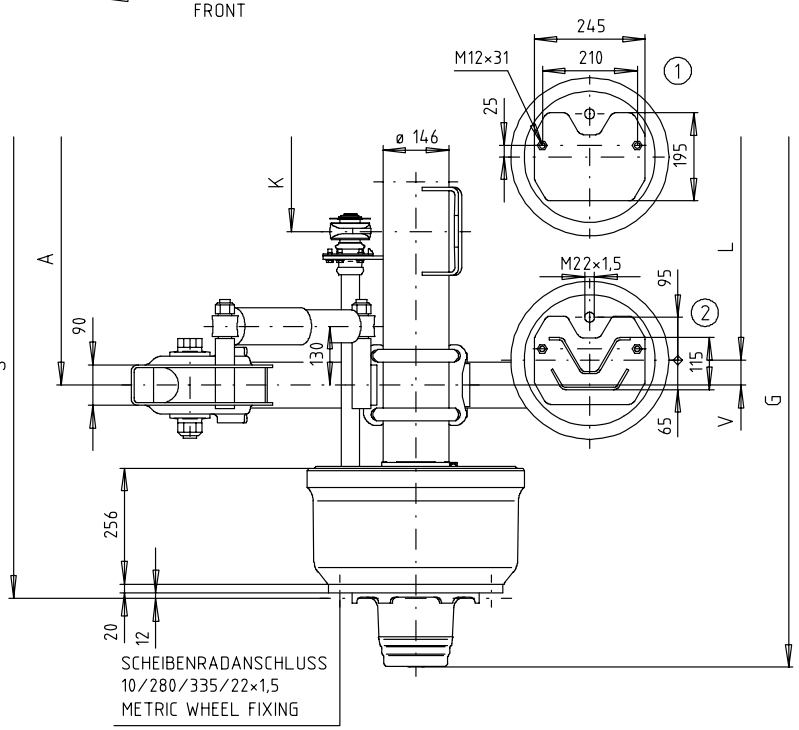
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 12 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed

Ref. No.: U-S27-SKRZ12242

Nominal ride height 230 - 365 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2923 V



Air suspension type	F Nominal ride height	Ride height range for single axles	for axle assemblies	for axle assemblies with lift	X overall height unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U23/2500 S31	230	200-270	210-270	240-270	140	130	250	298	5 ①	205
U25/2504 S31	250	220-290	230-290	260-290	160	150	250	298	40 ②	206
U27/2904 S31	270	240-310	250-310	280-310	180	170	290	313	40 ②	209
U28/2907 S31	285	255-325	265-325	295-325	195	185	290	313	70 ②	210
U30/2910 S31	300	270-340	280-340	310-340	210	200	290	313	100 ②	211
U33/3510 S31	330	300-370	310-370	340-370	240	230	355	337	100 ②	216
U35/3513 S31	350	320-390	330-390	360-390	260	250	355	337	130 ②	217
U36/3516 S31	365	335-405	345-405	375-405	275	265	355	337	160 ②	218



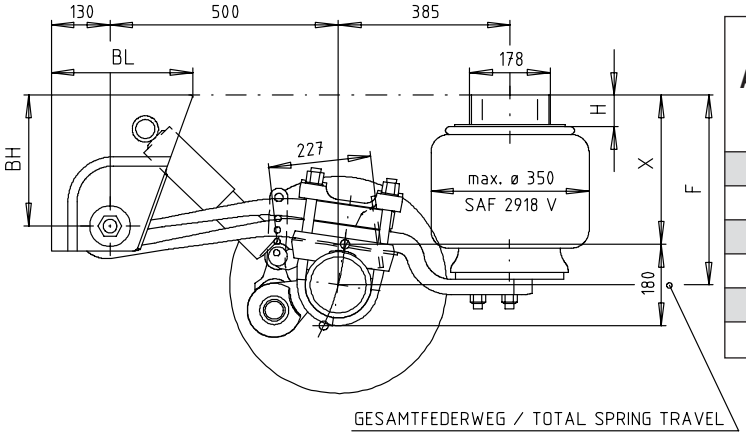
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 12242 12000 kg SNK 420 x 200 12 R 22.5	1844/900	2149	220	55	790 2)3)	332
				70	760	
	1884/900	2189	231	55	790	334
				70	760	
	1884/980	2189	231 3)	70	840 2)	334

Lenghts in mm, weights in kg

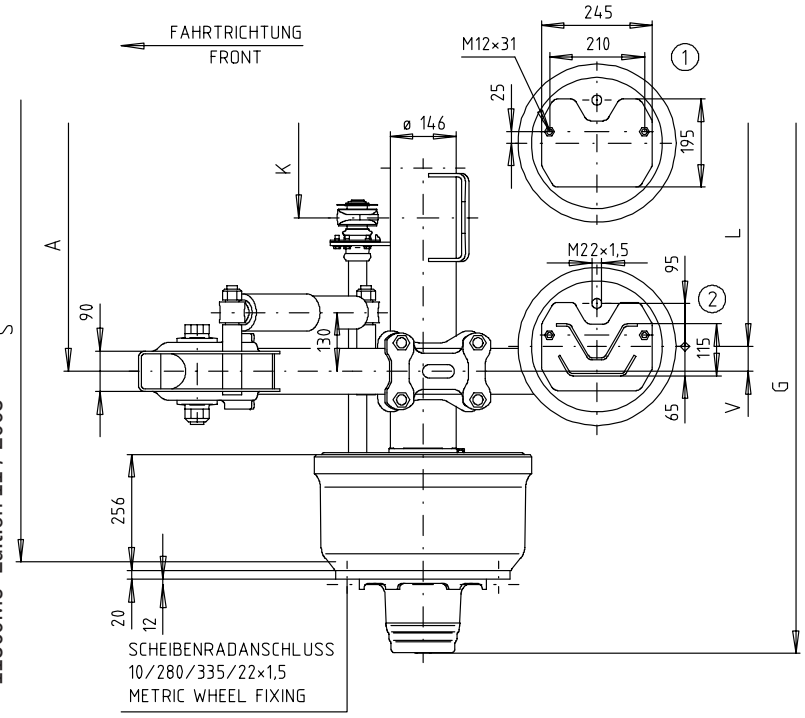
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 12 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed

Ref. No.: U-S31-SKRZ12242

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2918 V



Air suspension type	F Nominal ride height	Ride height range for single axles	for axle assemblies	for axle assemblies with lift	X overall height unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 S27	365	345-395	355-395	385-395	285	275	250	298	5 ①	209
M38/2504 S27	385	365-415	375-415	405-415	305	295	250	298	40 ②	210
M40/2904 S27	400	380-430	390-430	420-430	320	310	290	313	40 ②	213
M42/2907 S27	420	400-450	410-450	440-450	340	330	290	313	70 ②	214
M43/2910 S27	435	415-465	425-465	455-465	355	345	290	313	100 ②	215
M46/3510 S27	465	445-495	455-495	485-495	385	375	355	337	100 ②	220



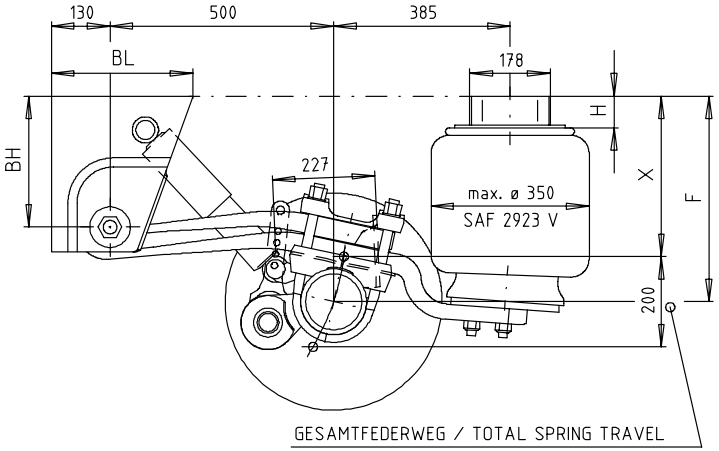
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 12242 12000 kg SNK 420 x 200 12 R 22.5	1844/900	2149	220	55	790 2)3)	332
				70	760	
	1884/900	2189	231	55	790	334
				70	760	
	1884/980	2189	231 3)	70	840 2)	334

Lenghts in mm, weights in kg

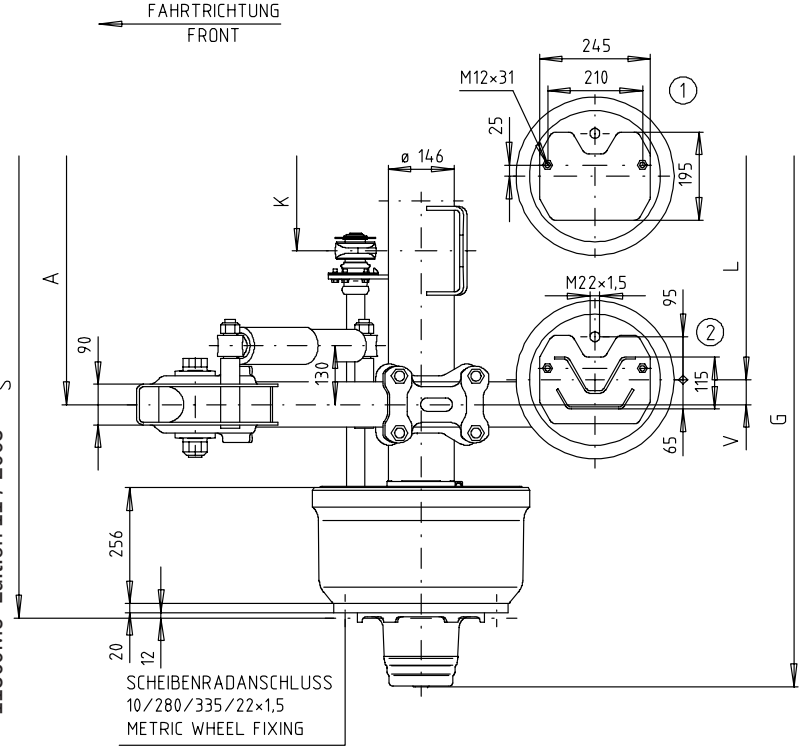
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 12 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed

Ref. No.: M-S27-SKRZ12242

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2923 V



Air suspension type	F Nominal ride height	Ride height range for single axles	for axle assemblies	for axle assemblies with lift	X overall height unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 S31	400	370-440	380-440	410-440	310	300	250	298	5 ①	211
M42/2504 S31	420	390-460	400-460	430-460	330	320	250	298	40 ②	212
M43/2904 S31	435	405-475	415-475	445-475	345	335	290	313	40 ②	215
M45/2907 S31	455	425-495	435-495	465-495	365	355	290	313	70 ②	216
M47/2910 S31	470	440-510	450-510	480-510	380	370	290	313	100 ②	217
M50/3510 S31	500	470-540	480-540	510-540	410	400	355	337	100 ②	222



Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 12242	1844/900	2149	220	55	790 2)3)	332
				70	760	
12000 kg	1884/900	2189	231	55	790	334
SNK 420 x 200				70	760	
12 R 22.5	1884/980	2189	231 3)	70	840 2)	334

Lenghts in mm, weights in kg

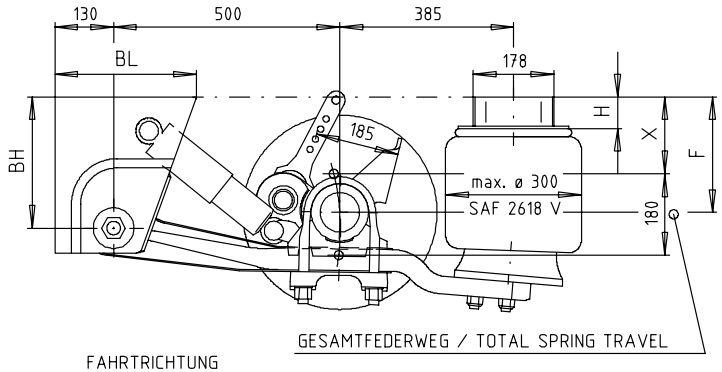
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 12 R 22.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed

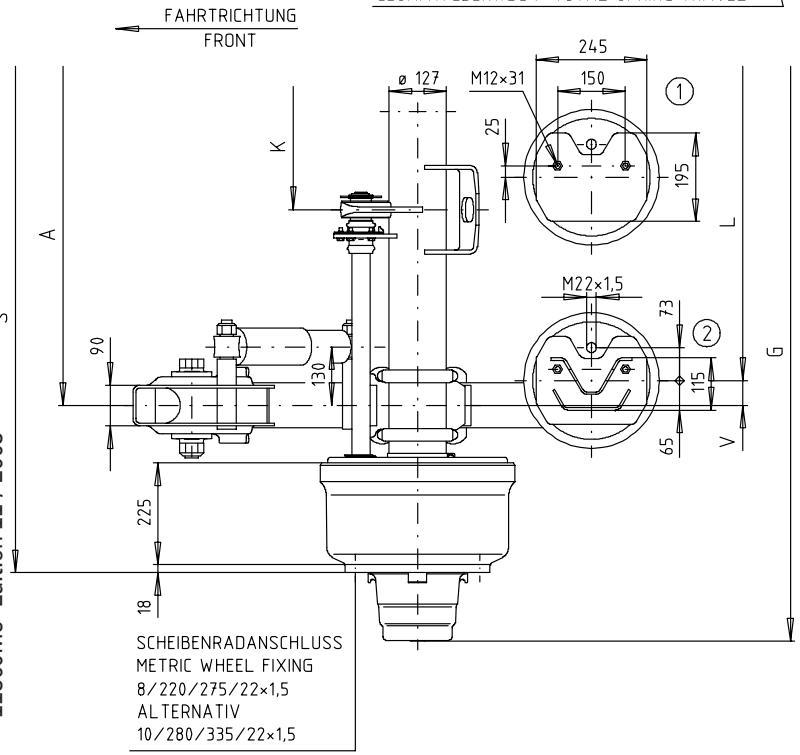
Ref. No.: M-S31-SKRZ12242

Air Suspension Series with Axle Type

SK RS 9037

Nominal ride height 200 - 330 mm – Mono leaf trailing arm – Air bag SAF 2618 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U20/2500 E29	200	180-230	190-230	220-230	120	100	250	298	5 ①	164
U22/2504 E29	220	200-250	210-250	240-250	140	120	250	298	40 ②	165
U24/2904 E29	240	220-270	230-270	260-270	160	140	290	313	40 ②	168
U25/2907 E29	255	235-285	245-285	275-285	175	155	290	313	70 ②	169
U27/2910 E29	270	250-300	260-300	290-300	190	170	290	313	100 ②	170
U30/3510 E29	300	280-330	290-330	320-330	220	200	355	337	100 ②	175
U31/3513 E29	315	295-345	305-345	335-345	235	215	355	337	130 ②	176
U33/3516 E29	330	310-360	320-360	350-360	250	230	355	337	160 ②	177

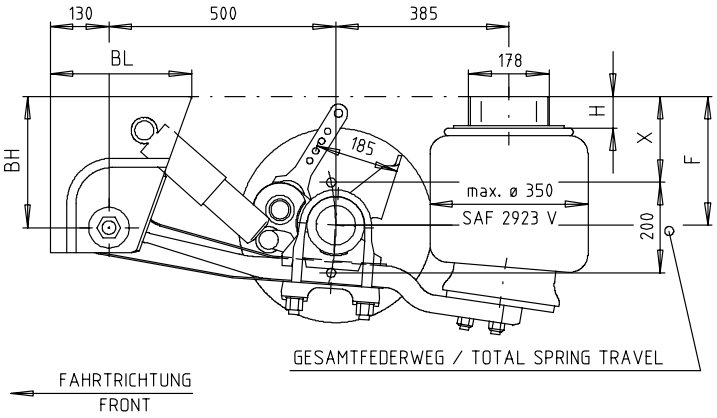
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9037-8 9000 kg SNK 367 x 180 425/55 R 19.5	1970/1100	2272	364 3)	0 4)	1100	302
				30 4)	1040	
				55	990	
	1970/1200	2272	364 3)	30 4)	1140	302
				55	1090	
	2040/1200	2342	434 3)	0 4)	1200	305
				30 4)	1140	
				55	1090	
	2040/1300	2342	434 3)	30 4)	1240 2)	305
				55	1190	
	2090/1300	2392	484 3)	30 4)	1240	307
				55	1190	
	2090/1400	2392	484 3)	55	1290 2)	307
				70	1260	

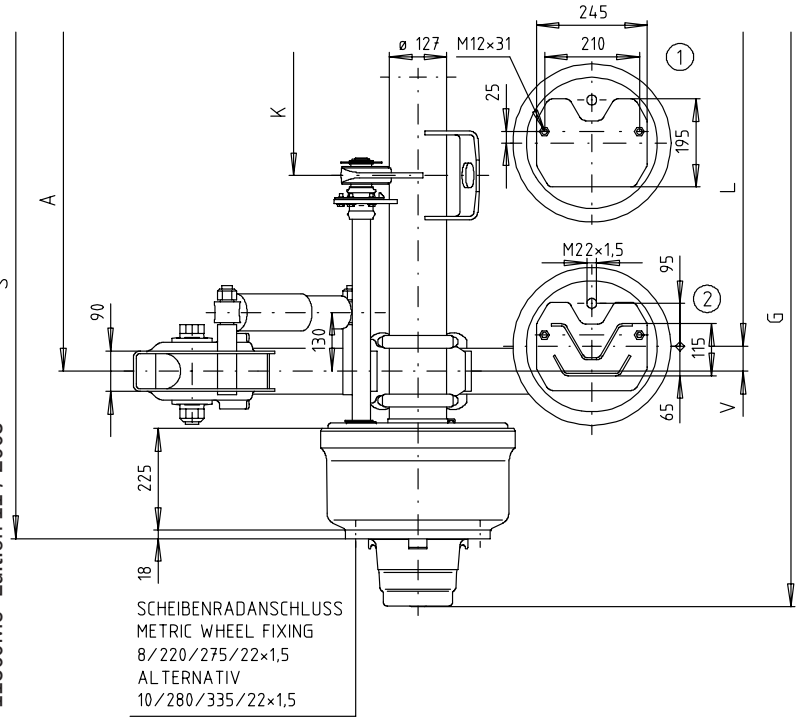
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/55 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-E29-SKRS9037

Nominal ride height 230 - 365 mm – Mono leaf trailing arm – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U23/2500 E31	230	205-275	215-275	245-275	145	125	250	298	5 ①	179
U25/2504 E31	250	225-295	235-295	265-295	165	145	250	298	40 ②	180
U27/2904 E31	270	245-315	255-315	285-315	185	165	290	313	40 ②	183
U28/2907 E31	285	260-330	270-330	300-330	200	180	290	313	70 ②	184
U30/2910 E31	300	275-345	285-345	315-345	215	195	290	313	100 ②	185
U33/3510 E31	330	305-375	315-375	345-375	245	225	355	337	100 ②	190
U35/3513 E31	350	325-395	335-395	365-395	265	245	355	337	130 ②	191
U36/3516 E31	365	340-410	350-410	380-410	280	260	355	337	160 ②	192

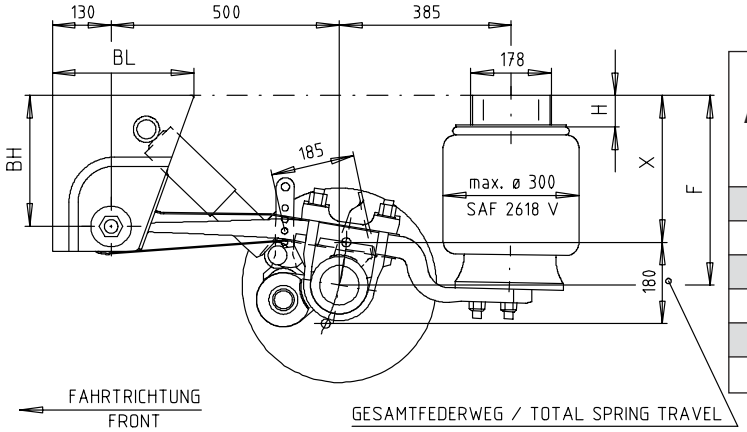
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9037-8 9000 kg SNK 367 x 180 425/55 R 19.5	1970/1100	2272	364 3)	0 4)	1100 2)	302
				30 4)	1040	
				55	990	
	1970/1200	2272	364 3)	55	1090	302
				70	1060	
	2040/1200	2342	434 3)	30 4)	1140	305
				55	1090	
	2040/1300	2342	434 3)	55	1190 2)	305
				70	1160	
	2090/1300	2392	484 3)	30 4)	1240 2)	307
				55	1190	

Lenghts in mm, weights in kg

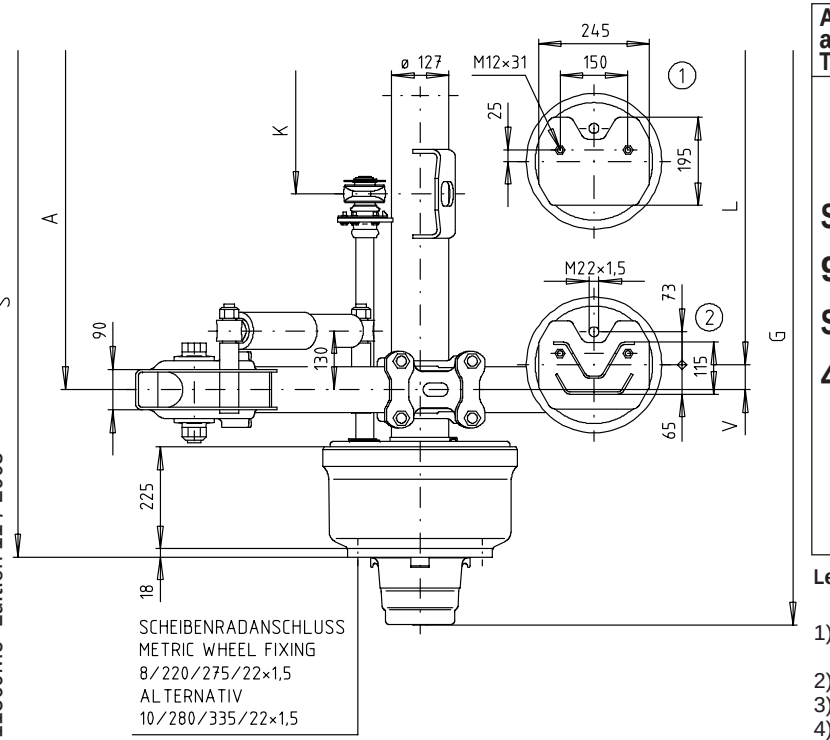
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/55 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-E31-SKRS9037

Nominal ride height 365 - 465 mm – Mono leaf trailing arm – Air bag SAF 2618 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 E29	365	330-380	340-380	370-380	270	250	250	298	5 ①	166
M38/2504 E29	385	350-400	360-400	390-400	290	270	250	298	40 ②	167
M40/2904 E29	400	365-415	375-415	405-415	305	285	290	313	40 ②	170
M42/2907 E29	420	385-435	395-435	425-435	325	305	290	313	70 ②	171
M43/2910 E29	435	400-450	410-450	440-450	340	320	290	313	100 ②	172
M46/3510 E29	465	430-480	440-480	470-480	370	350	355	337	100 ②	177



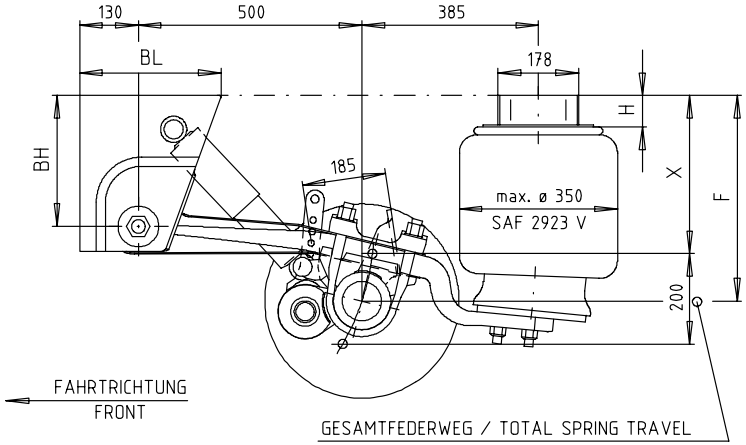
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9037-8 9000 kg SNK 367 x 180 425/55 R 19.5	1970/1100	2272	364 3)	0 4)	1100	302
				30 4)	1040	
				55	990	
	1970/1200	2272	364 3)	30 4)	1140	302
				55	1090	
	2040/1200	2342	434 3)	0 4)	1200	305
				30 4)	1140	
				55	1090	
	2040/1300	2342	434 3)	30 4)	1240 2)	305
				55	1190	
	2090/1300	2392	484 3)	30 4)	1240	307
				55	1190	
	2090/1400	2392	484 3)	55	1290 2)	307
				70	1260	

Lenghts in mm, weights in kg

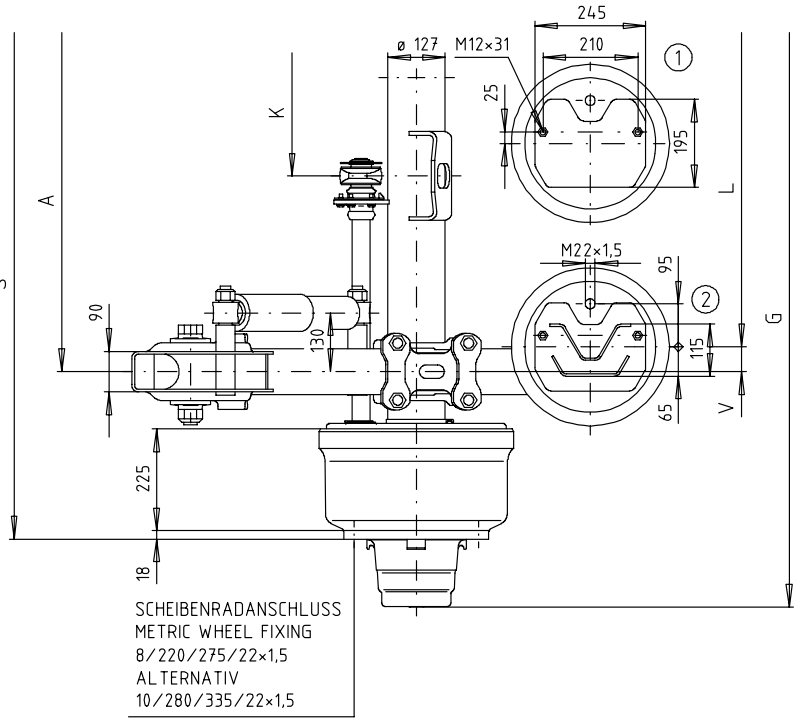
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/55 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-E29-SKRS9037

Nominal ride height 400 - 500 mm – Mono leaf trailing arm – Air bag SAF 2923 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 E31	400	355-425	365-425	395-425	295	275	250	298	5 ①	181
M42/2504 E31	420	375-445	385-445	415-445	315	295	250	298	40 ②	182
M43/2904 E31	435	395-460	400-460	430-460	330	310	290	313	40 ②	185
M45/2907 E31	455	410-480	420-480	450-480	350	330	290	313	70 ②	186
M47/2910 E31	470	425-495	435-495	465-495	365	345	290	313	100 ②	187
M50/3510 E31	500	455-525	465-525	495-525	395	375	355	337	100 ②	192



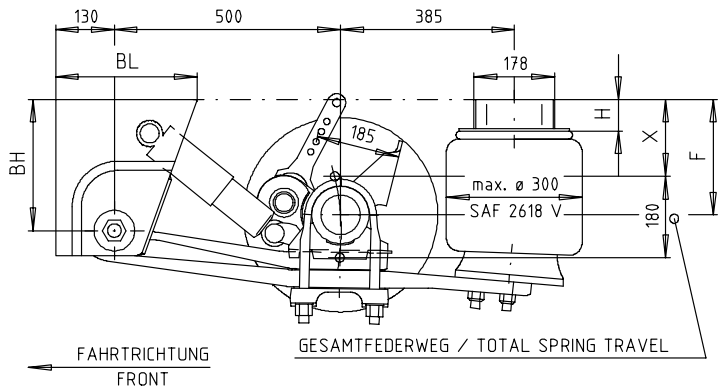
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9037-8 9000 kg SNK 367 x 180 425/55 R 19.5	1970/1100	2272	364 3)	0 4)	1100 2)	302
				30 4)	1040	
				55	990	
	1970/1200	2272	364 3)	55	1090	302
				70	1060	
	2040/1200	2342	434 3)	30 4)	1140	305
				55	1090	
	2040/1300	2342	434 3)	55	1190 2)	305
				70	1160	
	2090/1300	2392	484 3)	30 4)	1240 2)	307
				55	1190	

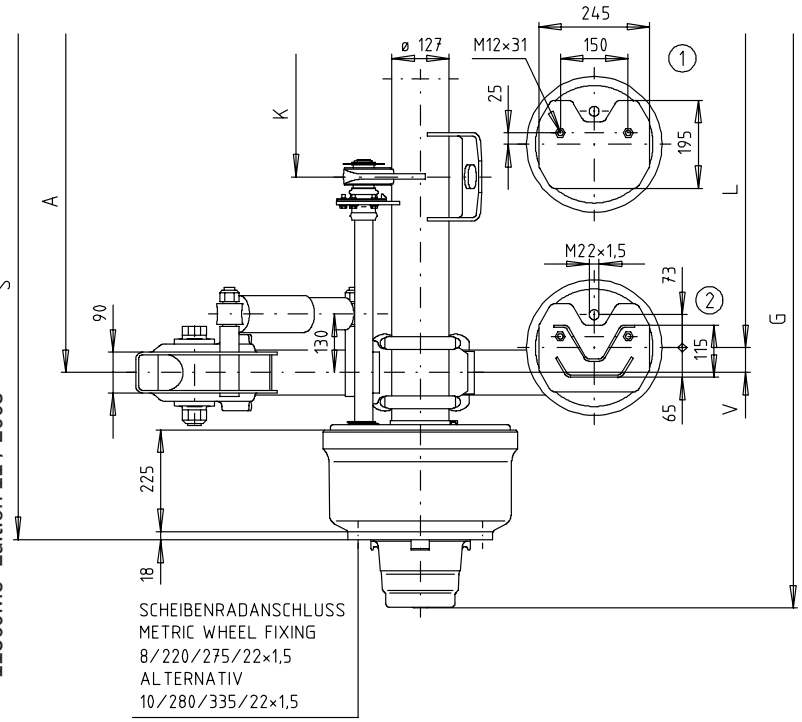
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/55 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-E31-SKRS9037

Nominal ride height 200 - 330 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U20/2500 N29	200	185-235	195-235	225-235	125	110	250	298	5 ①	179
U22/2504 N29	220	205-255	215-255	245-255	145	130	250	298	40 ②	180
U24/2904 N29	240	225-275	235-275	265-275	165	150	290	313	40 ②	183
U25/2907 N29	255	240-290	250-290	280-290	180	165	290	313	70 ②	184
U27/2910 N29	270	255-305	265-305	295-305	195	180	290	313	100 ②	185
U30/3510 N29	300	285-335	295-335	325-335	225	210	355	337	100 ②	190
U31/3513 N29	315	300-350	310-350	340-350	240	225	355	337	130 ②	191
U33/3516 N29	330	315-365	325-365	355-365	255	240	355	337	160 ②	192

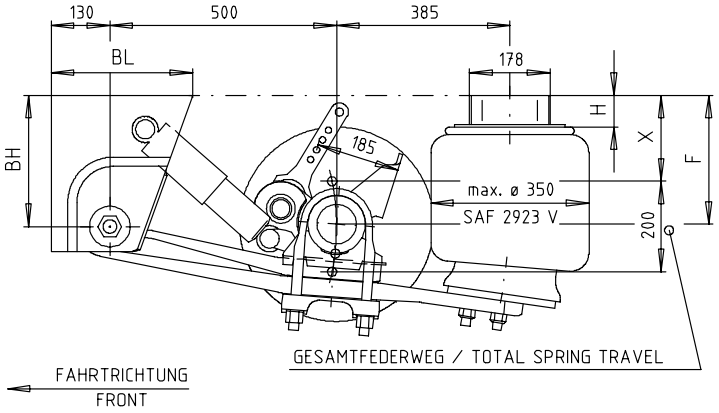
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9037-8 9000 kg SNK 367 x 180 425/55 R 19.5	1970/1100	2272	364 3)	0 4)	1100	302
				30 4)	1040	
				55	990	
	1970/1200	2272	364 3)	30 4)	1140	302
				55	1090	
	2040/1200	2342	434 3)	0 4)	1200	305
				30 4)	1140	
				55	1090	
	2040/1300	2342	434 3)	30 4)	1240 2)	305
				55	1190	
	2090/1300	2392	484 3)	30 4)	1240	307
				55	1190	
	2090/1400	2392	484 3)	55	1290 2)	307
				70	1260	

Lenghts in mm, weights in kg

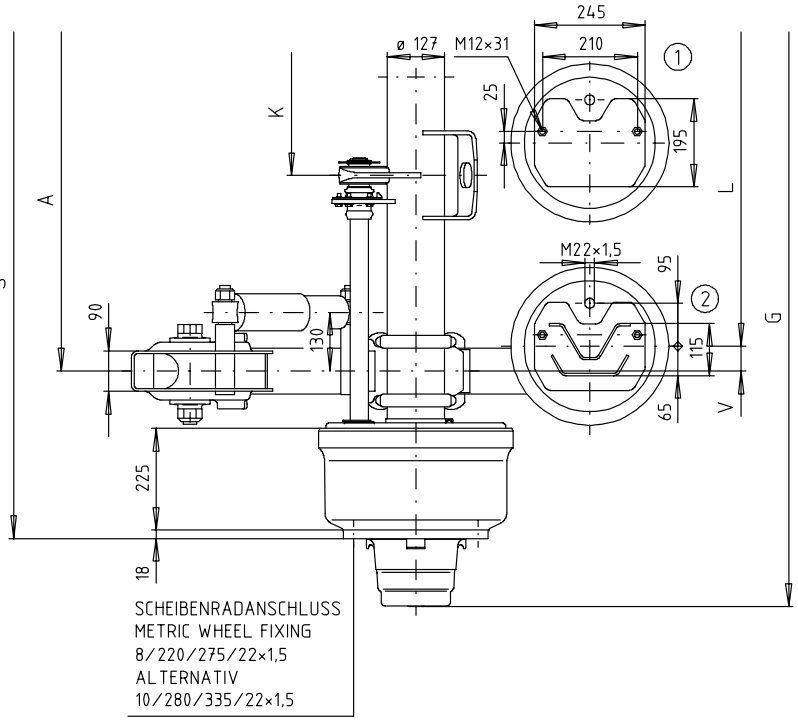
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/55 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N29-SKRS9037

Nominal ride height 230 - 365 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U23/2500 N31	230	210-280	220-280	250-280	150	135	250	298	5 ①	194
U25/2504 N31	250	230-300	240-300	270-300	170	155	250	298	40 ②	195
U27/2904 N31	270	250-320	260-320	290-320	190	175	290	313	40 ②	198
U28/2907 N31	285	265-335	275-335	305-335	205	190	290	313	70 ②	199
U30/2910 N31	300	280-350	290-350	320-350	220	205	290	313	100 ②	200
U33/3510 N31	330	310-380	320-380	350-380	250	235	355	337	100 ②	205
U35/3513 N31	350	330-400	340-400	370-400	270	255	355	337	130 ②	206
U36/3516 N31	365	345-415	355-415	385-415	285	270	355	337	160 ②	207



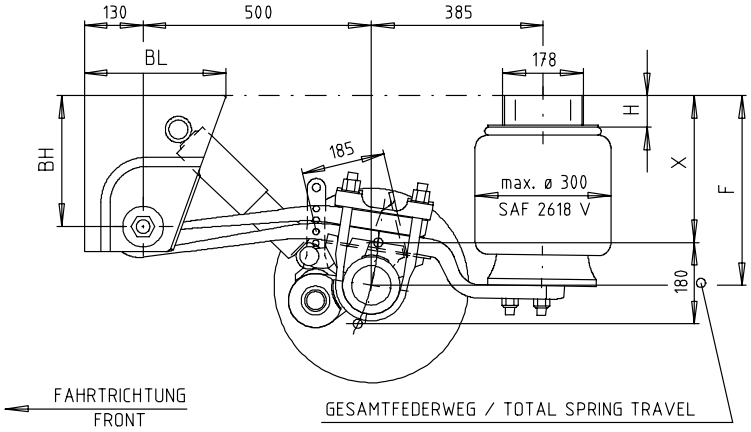
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9037-8 9000 kg SNK 367 x 180 425/55 R 19.5	1970/1100	2272	364 3)	0 4)	1100 2)	302
				30 4)	1040	
				55	990	
	1970/1200	2272	364 3)	55	1090	302
				70	1060	
	2040/1200	2342	434 3)	30 4)	1140	305
				55	1090	
	2040/1300	2342	434 3)	55	1190 2)	305
				70	1160	
	2090/1300	2392	484 3)	30 4)	1240 2)	307
				55	1190	

Lenghts in mm, weights in kg

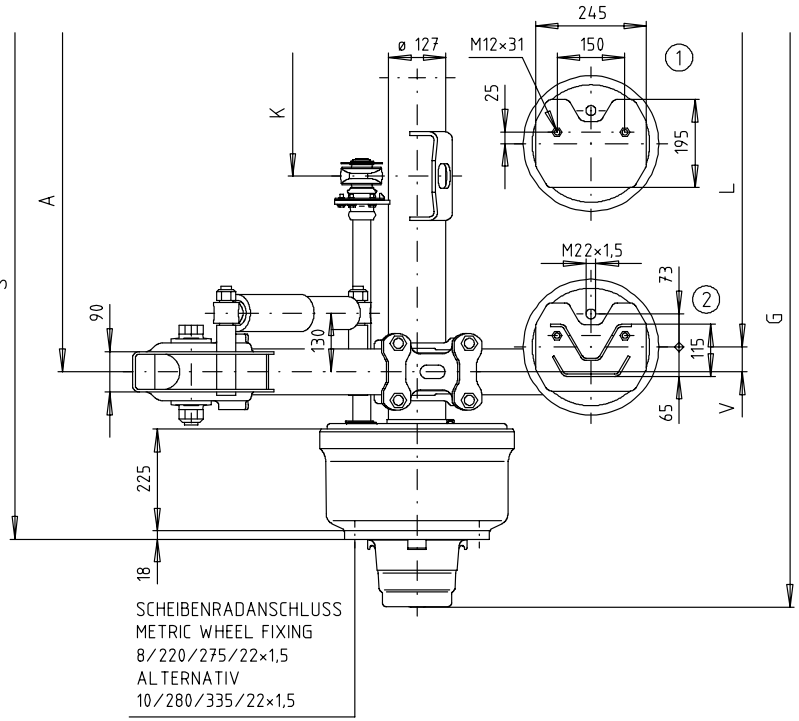
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/55 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N31-SKRS9037

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 N29	365	335-385	345-385	375-385	275	260	250	298	5 ①	185
M38/2504 N29	385	355-405	365-405	395-405	295	280	250	298	40 ②	186
M40/2904 N29	400	370-420	380-420	410-420	310	295	290	313	40 ②	189
M42/2907 N29	420	390-440	400-440	430-440	330	315	290	313	70 ②	190
M43/2910 N29	435	405-455	415-455	445-455	345	330	290	313	100 ②	191
M46/3510 N29	465	435-485	445-485	475-485	375	360	355	337	100 ②	196



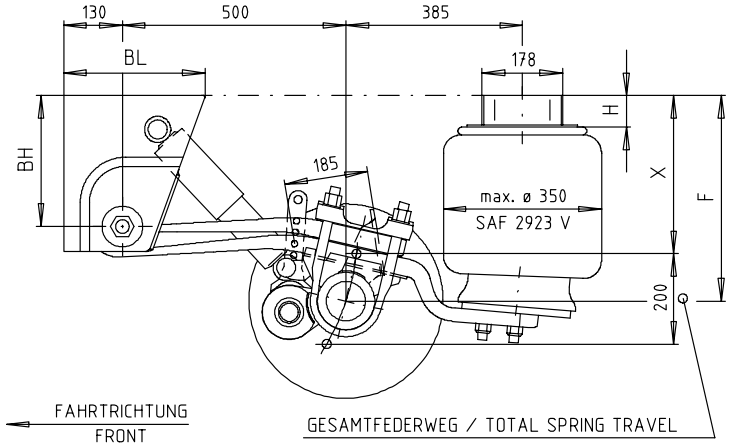
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9037-8 9000 kg SNK 367 x 180 425/55 R 19.5	1970/1100	2272	364 3)	0 4)	1100	302
				30 4)	1040	
				55	990	
	1970/1200	2272	364 3)	30 4)	1140	302
				55	1090	
	2040/1200	2342	434 3)	0 4)	1200	305
				30 4)	1140	
				55	1090	
	2040/1300	2342	434 3)	30 4)	1240 2)	305
				55	1190	
	2090/1300	2392	484 3)	30 4)	1240	307
				55	1190	
	2090/1400	2392	484 3)	55	1290 2)	307
				70	1260	

Lenghts in mm, weights in kg

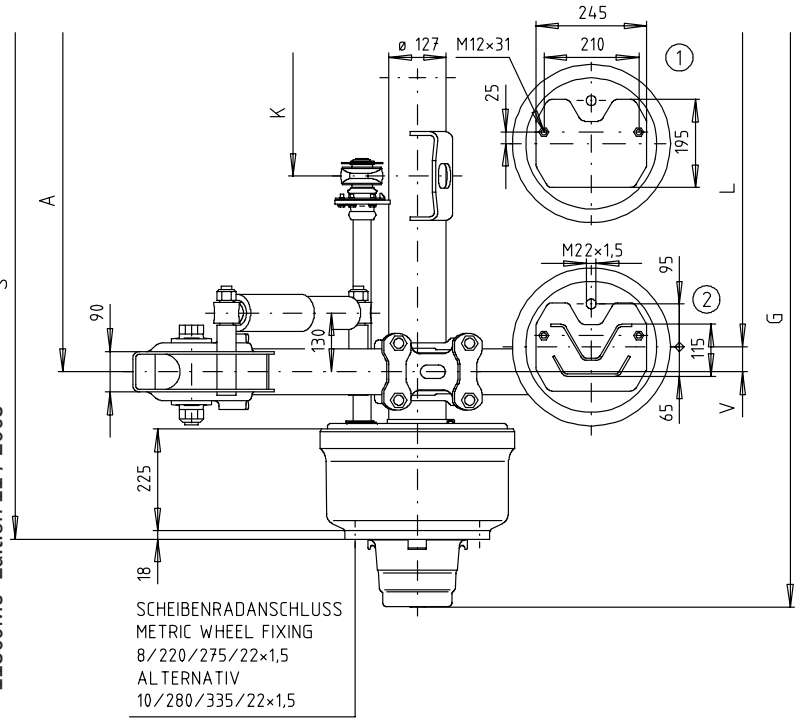
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/55 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N29-SKRS9037

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 N31	400	360-430	370-430	400-430	300	285	250	298	5 ①	200
M42/2504 N31	420	380-450	390-450	420-450	320	305	250	298	40 ②	201
M43/2904 N31	435	395-465	405-465	435-465	335	320	290	313	40 ②	204
M45/2907 N31	455	415-485	425-485	455-485	355	340	290	313	70 ②	205
M47/2910 N31	470	430-500	440-500	470-500	370	355	290	313	100 ②	206
M50/3510 N31	500	460-530	470-530	500-530	400	385	355	337	100 ②	211



Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9037-8 9000 kg SNK 367 x 180 425/55 R 19.5	1970/1100	2272	364 3)	0 4)	1100 2)	302
				30 4)	1040	
				55	990	
	1970/1200	2272	364 3)	55	1090	302
				70	1060	
	2040/1200	2342	434 3)	30 4)	1140	305
				55	1090	
	2040/1300	2342	434 3)	55	1190 2)	305
				70	1160	
	2090/1300	2392	484 3)	30 4)	1240 2)	307
				55	1190	

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/55 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

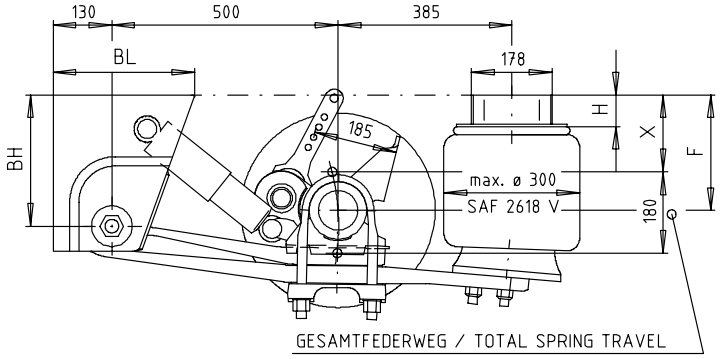
Ref. No.: M-N31-SKRS9037

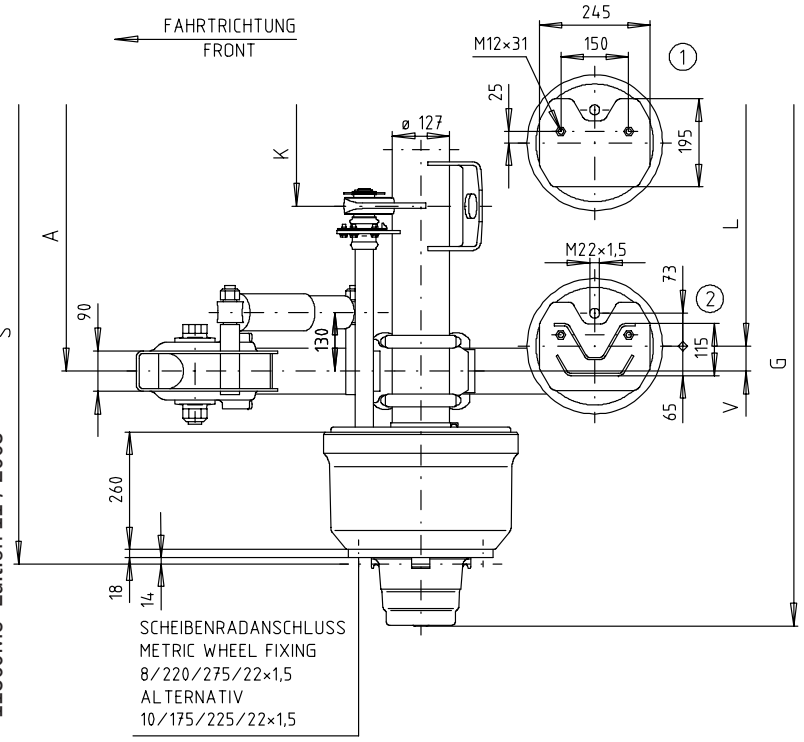
Air Suspension Series with Axle Type

SK RZ 9037

CONTENTS

Nominal ride height 200 - 330 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U20/2500 N29	200	185-235	195-235	225-235	125	110	250	298	5 ①	179
U22/2504 N29	220	205-255	215-255	245-255	145	130	250	298	40 ②	180
U24/2904 N29	240	225-275	235-275	265-275	165	150	290	313	40 ②	183
U25/2907 N29	255	240-290	250-290	280-290	180	165	290	313	70 ②	184
U27/2910 N29	270	255-305	265-305	295-305	195	180	290	313	100 ②	185
U30/3510 N29	300	285-335	295-335	325-335	225	210	355	337	100 ②	190
U31/3513 N29	315	300-350	310-350	340-350	240	225	355	337	130 ②	191
U33/3516 N29	330	315-365	325-365	355-365	255	240	355	337	160 ②	192

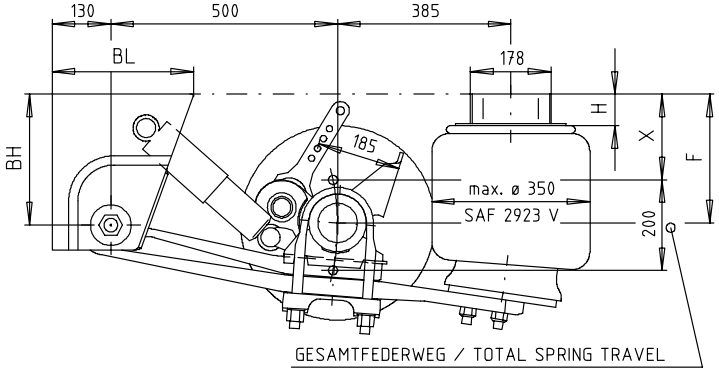
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9037-8 **9000 kg** **SNK 367 x 200** **265/70 R 19.5**	1834/900	2108	250 3)	30 4)	840	317
				55	790	
	1834/980	2108	250 3)	55	870 2)	317
				70	840	
	1888/900	2162	246 3)	30 4)	840	320
				55	790	
	1888/980	2162	246 3)	30 4)	920	320
				55	870	
	1954/1050	2228	312 3)	30 4)	990 2)	325
				55	940	
	1954/1100	2228	312 3)	55	990 2)	325
				70	960	

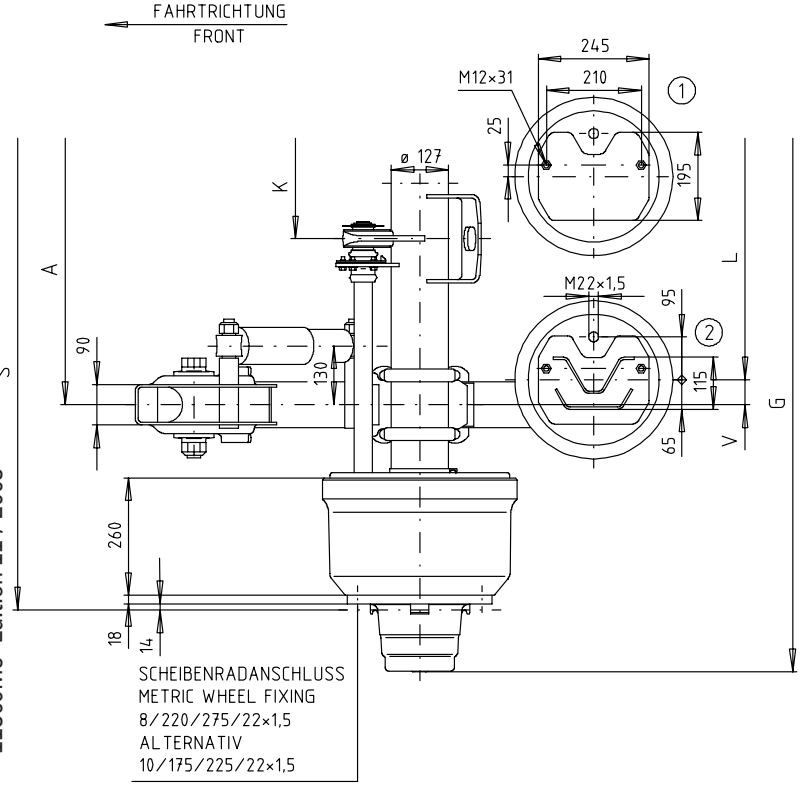
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 265/75 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N29-SKRZ9037

Nominal ride height 230 - 365 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U23/2500 N31	230	210-280	220-280	250-280	150	135	250	298	5 ①	194
U25/2504 N31	250	230-300	240-300	270-300	170	155	250	298	40 ②	195
U27/2904 N31	270	250-320	260-320	290-320	190	175	290	313	40 ②	198
U28/2907 N31	285	265-335	275-335	305-335	205	190	290	313	70 ②	199
U30/2910 N31	300	280-350	290-350	320-350	220	205	290	313	100 ②	200
U33/3510 N31	330	310-380	320-380	350-380	250	235	355	337	100 ②	205
U35/3513 N31	350	330-400	340-400	370-400	270	255	355	337	130 ②	206
U36/3516 N31	365	345-415	355-415	385-415	285	270	355	337	160 ②	207

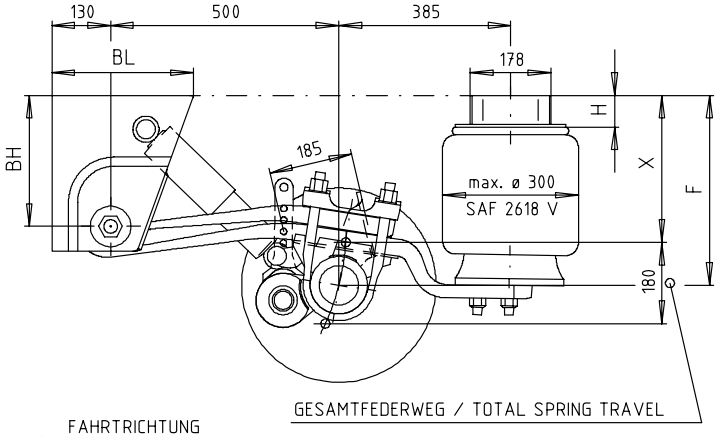
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9037-8 9000 kg SNK 367 x 200 265/70 R 19.5	1834/900	2108	250	30 4) 55	840 2)3) 790	317
	1834/980	2108	250 3)	70	840 2)	317
	1888/900	2162	246	30 4) 55	840 3) 790	320
	1888/980	2162	246 3)	55 70	870 840	320
	1954/1050	2228	312 3)	55 70	940 2) 910	325
	1954/1100	2228	312 3)	70	960 2)	325

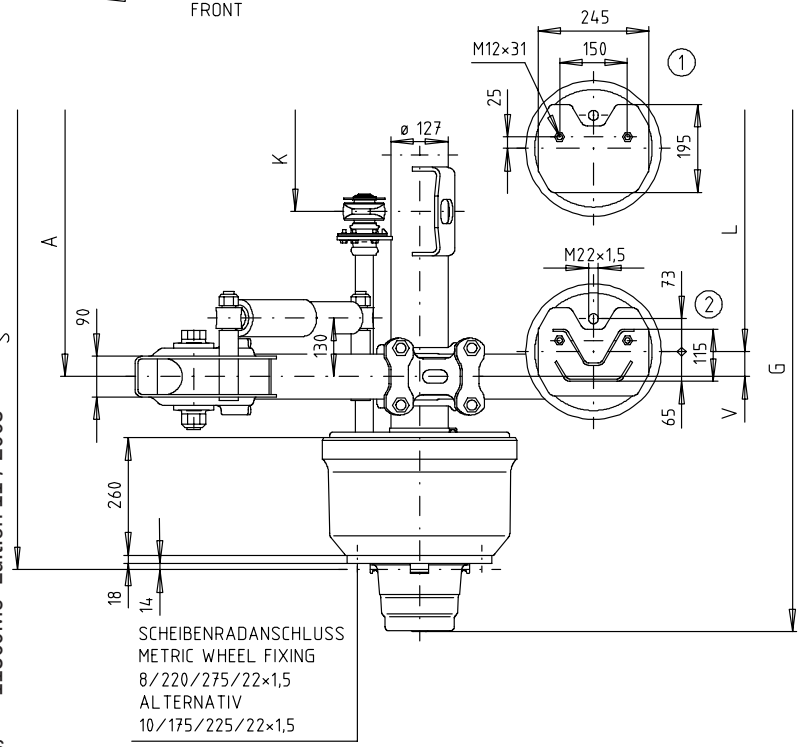
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 265/75 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N31-SKRZ9037

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 N29	365	335-385	345-385	375-385	275	260	250	298	5 ①	185
M38/2504 N29	385	355-405	365-405	395-405	295	280	250	298	40 ②	186
M40/2904 N29	400	370-420	380-420	410-420	310	295	290	313	40 ②	189
M42/2907 N29	420	390-440	400-440	430-440	330	315	290	313	70 ②	190
M43/2910 N29	435	405-455	415-455	445-455	345	330	290	313	100 ②	191
M46/3510 N29	465	435-485	445-485	475-485	375	360	355	337	100 ②	196

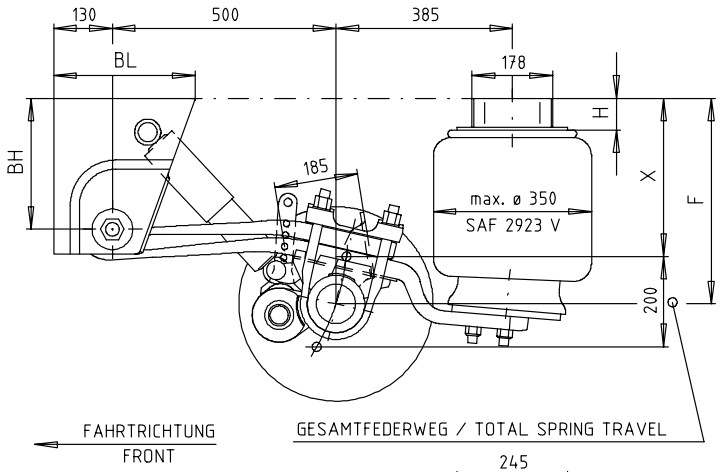
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9037-8 9000 kg SNK 367 x 200 265/70 R 19.5	1834/900	2108	250 3)	30 4)	840	317
				55	790	
	1834/980	2108	250 3)	55	870 2)	317
				70	840	
	1888/900	2162	246 3)	30 4)	840	320
				55	790	
	1888/980	2162	246 3)	30 4)	920	320
				55	870	
	1954/1050	2228	312 3)	30 4)	990 2)	325
				55	940	
	1954/1100	2228	312 3)	55	990 2)	325
				70	960	

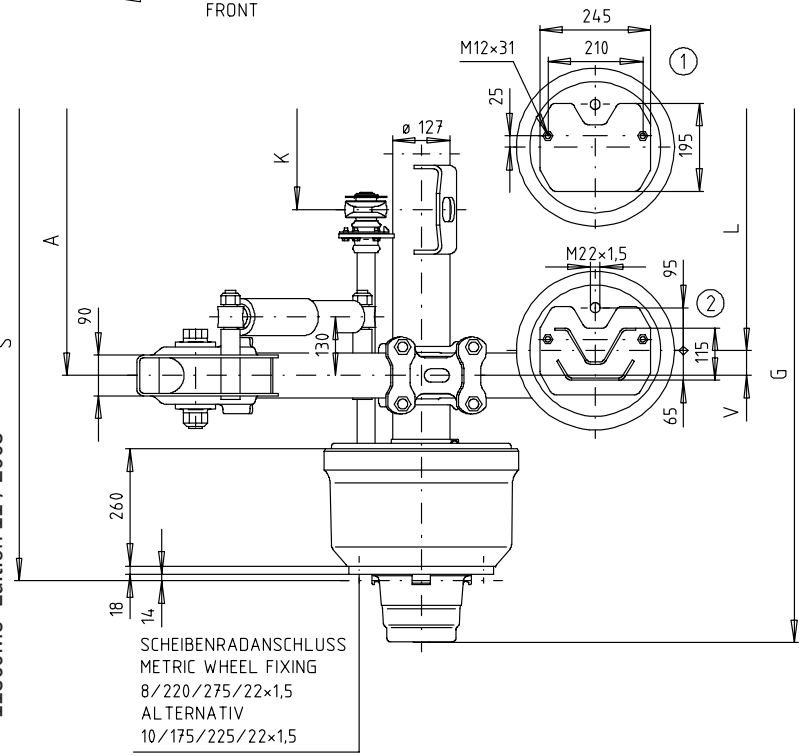
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 265/75 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N29-SKRZ9037

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 N31	400	360-430	370-430	400-430	300	285	250	298	5 ①	200
M42/2504 N31	420	380-450	390-450	420-450	320	305	250	298	40 ②	201
M43/2904 N31	435	395-465	405-465	435-465	335	320	290	313	40 ②	204
M45/2907 N31	455	415-485	425-485	455-485	355	340	290	313	70 ②	205
M47/2910 N31	470	430-500	440-500	470-500	370	355	290	313	100 ②	206
M50/3510 N31	500	460-530	470-530	500-530	400	385	355	337	100 ②	211

Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9037-8 9000 kg SNK 367 x 200 265/70 R 19.5	1834/900	2108	250	30 4) 55	840 2)3) 790	317
	1834/980	2108	250 3)	70	840 2)	317
	1888/900	2162	246	30 4) 55	840 3) 790	320
	1888/980	2162	246 3)	55 70	870 840	320
	1954/1050	2228	312 3)	55 70	940 2) 910	325
	1954/1100	2228	312 3)	70	960 2)	325

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 265/75 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

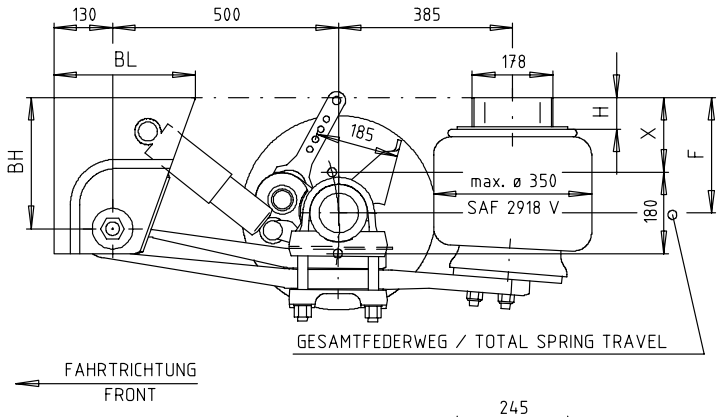
Ref. No.: M-N31-SKRZ9037

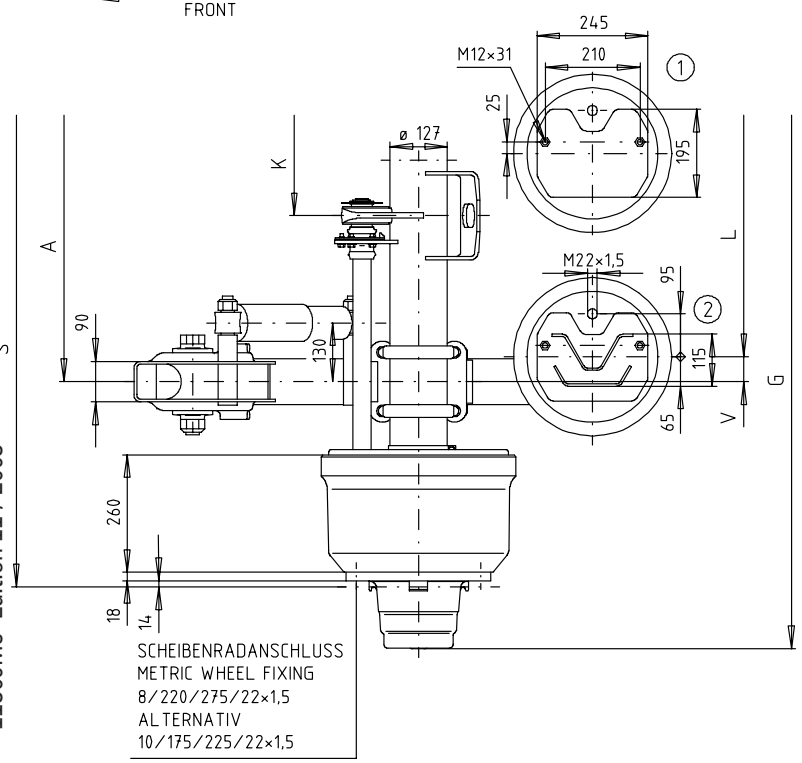
Air Suspension Series with Axle Type

SK RZ 11037

CONTENTS

Nominal ride height 200 - 330 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2918 V





Air suspension type	F	Ride height range 4)			X overall height 4)		BH	BL	H	Weight approx.
	Nominal ride height	for single axles	for axle assemblies	for axle assemblies with lift	unladen without air	laden without air	hanger bracket height	hanger bracket length	air suspension bracket	
U20/2500 S27	200	185-235	195-235	225-235	125	115	250	298	5 ①	202
U22/2504 S27	220	205-255	215-255	245-255	145	135	250	298	40 ②	203
U24/2904 S27	240	225-275	235-275	265-275	165	155	290	313	40 ②	206
U25/2907 S27	255	240-290	250-290	280-290	180	170	290	313	70 ②	207
U27/2910 S27	270	255-305	265-305	295-305	195	185	290	313	100 ②	208
U30/3510 S27	300	285-335	295-335	325-335	225	215	355	337	100 ②	213
U31/3513 S27	315	300-350	310-350	340-350	240	230	355	337	130 ②	214
U33/3516 S27	330	315-365	325-365	355-365	255	245	355	337	160 ②	215

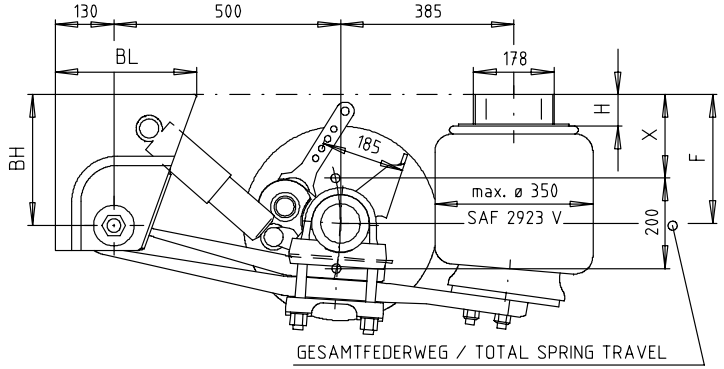
Axle type / axle load / brakes Tyres (example)	S / A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11037-8 10000 kg SNK 367 x 200 265/70 R 19.5	1834/900	2108	250	30 4)	840 2)3)	320
				55	790	
	1834/980	2108	250 3)	70	840 2)	320
	1888/900	2162	246	30 4)	840 3)	323
				55	790	
	1888/980	2162	246 3)	55	870	323
				70	840	
	1954/1050	2228	312 3)	55	940 2)	328
				70	910	
	1954/1100	2228	312 3)	70	960 2)	328

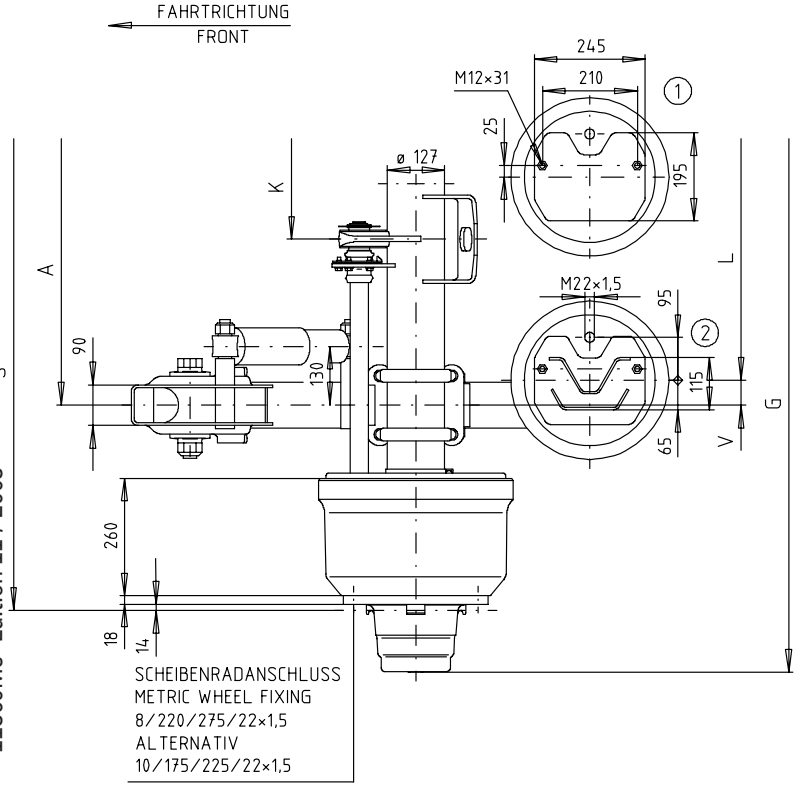
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 265/75 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-S27-SKRZ11037

Nominal ride height 230 - 365 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U23/2500 S31	230	210-280	220-280	250-280	150	140	250	298	5 ①	204
U25/2504 S31	250	230-300	240-300	270-300	170	160	250	298	40 ②	205
U27/2904 S31	270	250-320	260-320	290-320	190	180	290	313	40 ②	208
U28/2907 S31	285	265-335	275-335	305-335	205	195	290	313	70 ②	209
U30/2910 S31	300	280-350	290-350	320-350	220	210	290	313	100 ②	210
U33/3510 S31	330	310-380	320-380	350-380	250	240	355	337	100 ②	215
U35/3513 S31	350	330-400	340-400	370-400	270	260	355	337	130 ②	216
U36/3516 S31	365	345-415	355-415	385-415	285	275	355	337	160 ②	217

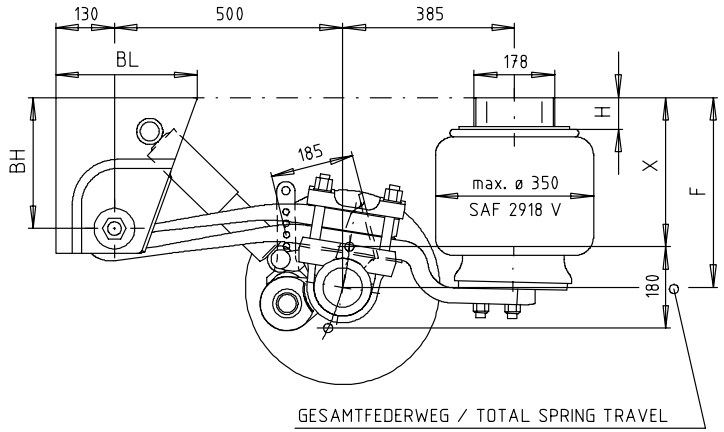
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11037-8 10000 kg SNK 367 x 200 265/70 R 19.5	1834/900	2108	250	30 4)	840 2)3)	320
				55	790	
	1834/980	2108	250 3)	70	840 2)	320
	1888/900	2162	246	30 4)	840 3)	323
				55	790	
	1888/980	2162	246 3)	55	870	323
				70	840	
	1954/1050	2228	312 3)	55	940 2)	328
				70	910	
	1954/1100	2228	312 3)	70	960 2)	328

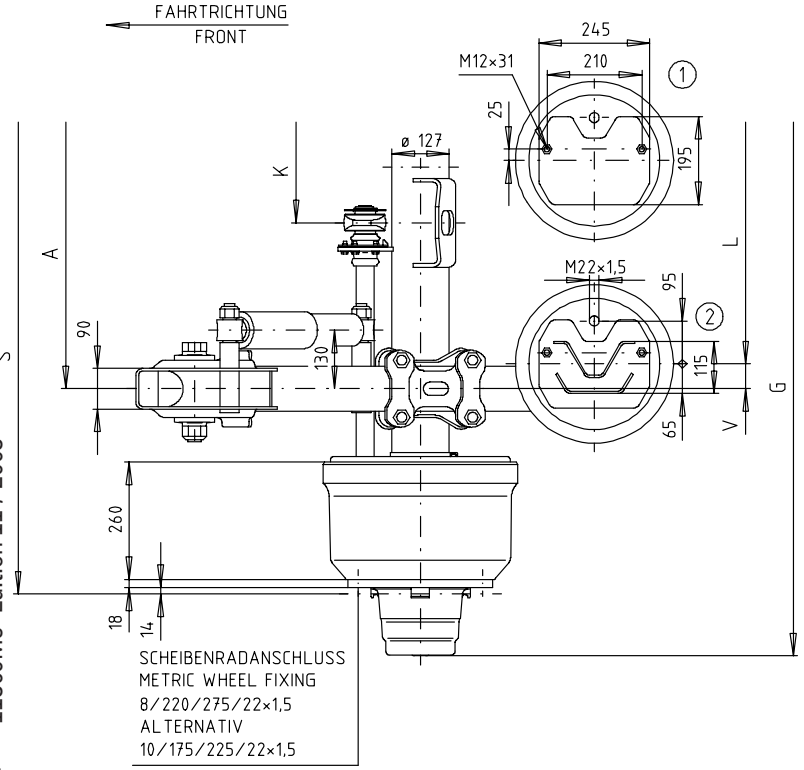
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 265/75 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-S31-SKRZ11037

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2918 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 S27	365	335-385	345-385	375-385	275	265	250	298	5 ①	208
M38/2504 S27	385	355-405	365-405	395-405	295	285	250	298	40 ②	209
M40/2904 S27	400	370-420	380-420	410-420	310	300	290	313	40 ②	212
M42/2907 S27	420	390-440	400-440	430-440	330	320	290	313	70 ②	213
M43/2910 S27	435	405-455	415-455	445-455	345	335	290	313	100 ②	214
M46/3510 S27	465	435-485	445-485	475-485	375	365	355	337	100 ②	219

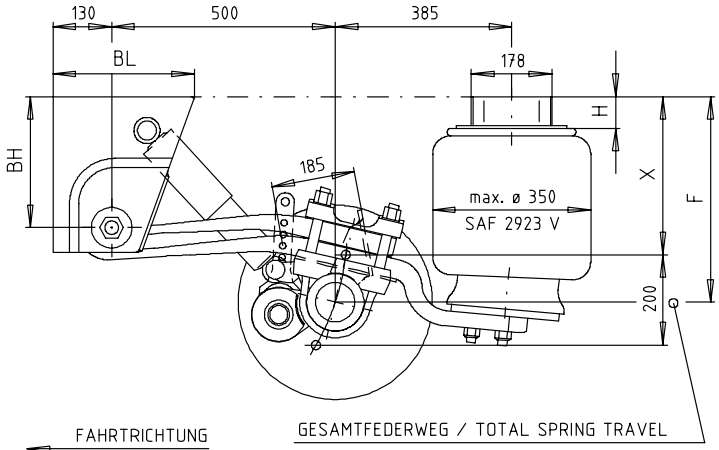
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11037-8 10000 kg SNK 367 x 200 265/70 R 19.5	1834/900	2108	250	30 4)	840 2)3)	320
				55	790	
	1834/980	2108	250 3)	70	840 2)	320
	1888/900	2162	246	30 4)	840 3)	323
				55	790	
	1888/980	2162	246 3)	55	870	323
				70	840	
	1954/1050	2228	312 3)	55	940 2)	328
				70	910	
	1954/1100	2228	312 3)	70	960 2)	328

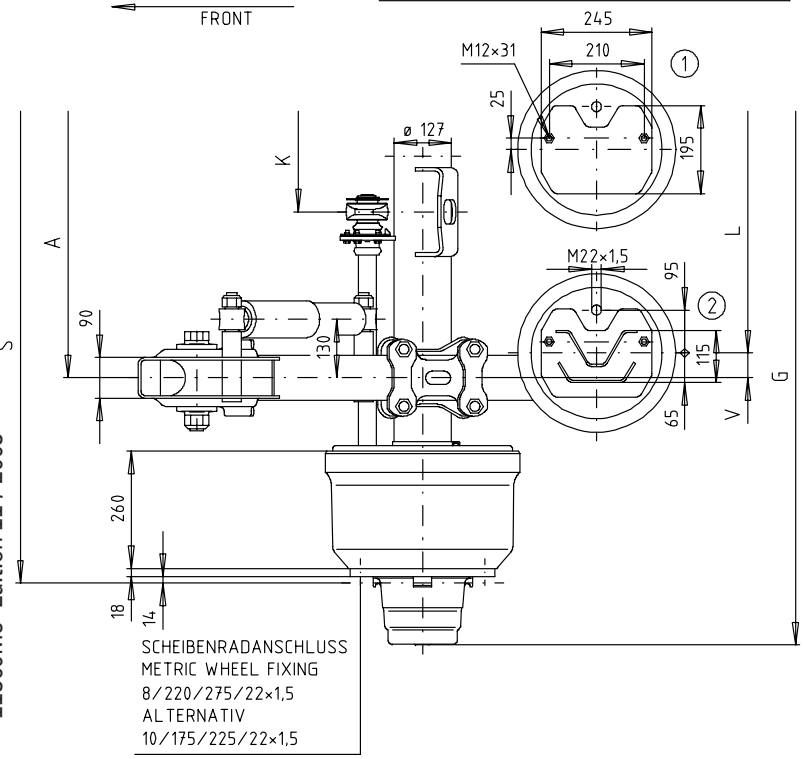
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 265/75 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-S27-SKRZ11037

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 S31	400	360-430	370-430	400-430	300	290	250	298	5 ①	210
M42/2504 S31	420	380-450	390-450	420-450	320	310	250	298	40 ②	211
M43/2904 S31	435	395-465	405-465	435-465	335	325	290	313	40 ②	214
M45/2907 S31	455	415-485	425-485	455-485	355	345	290	313	70 ②	215
M47/2910 S31	470	430-500	440-500	470-500	370	360	290	313	100 ②	216
M50/3510 S31	500	460-530	470-530	500-530	400	390	355	337	100 ②	221

Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11037-8 10000 kg SNK 367 x 200 265/70 R 19.5	1834/900	2108	250	30 4)	840 2)3)	320
				55	790	
	1834/980	2108	250 3)	70	840 2)	320
	1888/900	2162	246	30 4)	840 3)	323
				55	790	
	1888/980	2162	246 3)	55	870	323
				70	840	
	1954/1050	2228	312 3)	55	940 2)	328
				70	910	
	1954/1100	2228	312 3)	70	960 2)	328

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 265/75 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

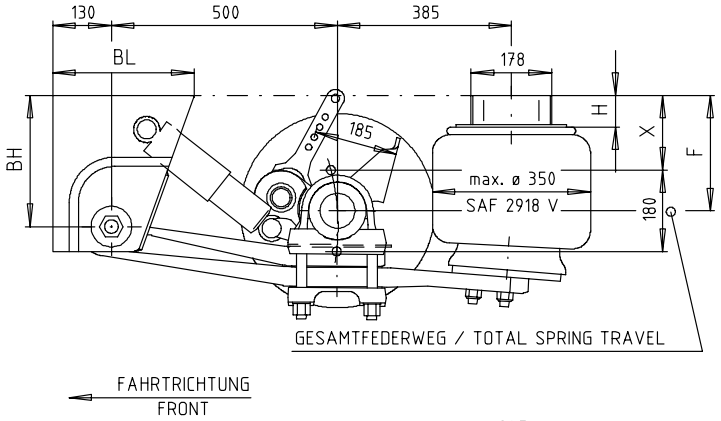
Ref. No.: M-S31-SKRZ11037

Air Suspension Series with Axle Type

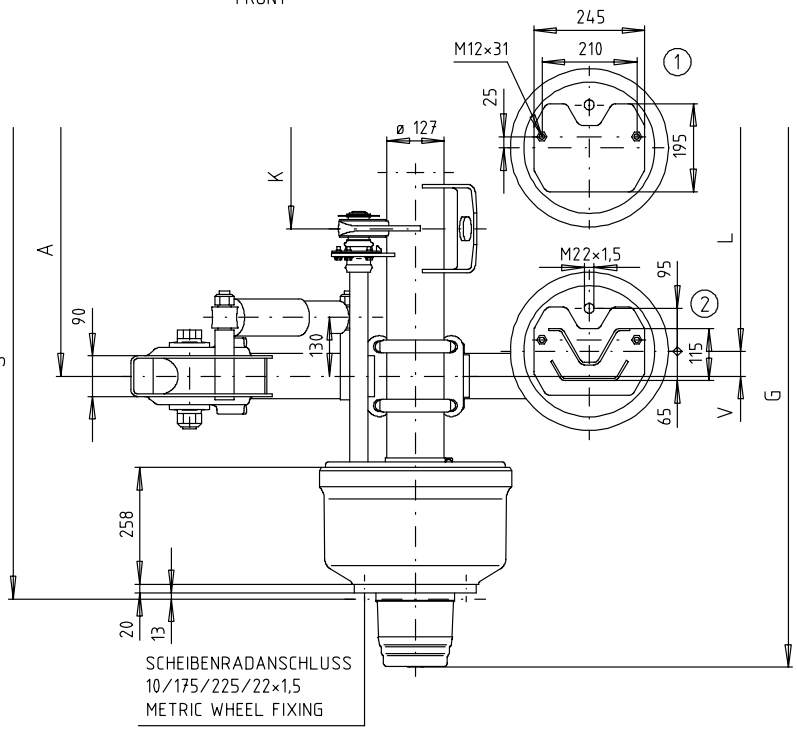
SK RZ 12037

CONTENTS

Nominal ride height 200 - 330 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2918 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U20/2500 S27	200	185-235	195-235	225-235	125	115	250	298	5 ①	202
U22/2504 S27	220	205-255	215-255	245-255	145	135	250	298	40 ②	203
U24/2904 S27	240	225-275	235-275	265-275	165	155	290	313	40 ②	206
U25/2907 S27	255	240-290	250-290	280-290	180	170	290	313	70 ②	207
U27/2910 S27	270	255-305	265-305	295-305	195	185	290	313	100 ②	208
U30/3510 S27	300	285-335	295-335	325-335	225	215	355	337	100 ②	213
U31/3513 S27	315	300-350	310-350	340-350	240	230	355	337	130 ②	214
U33/3516 S27	330	315-365	325-365	355-365	255	245	355	337	160 ②	215



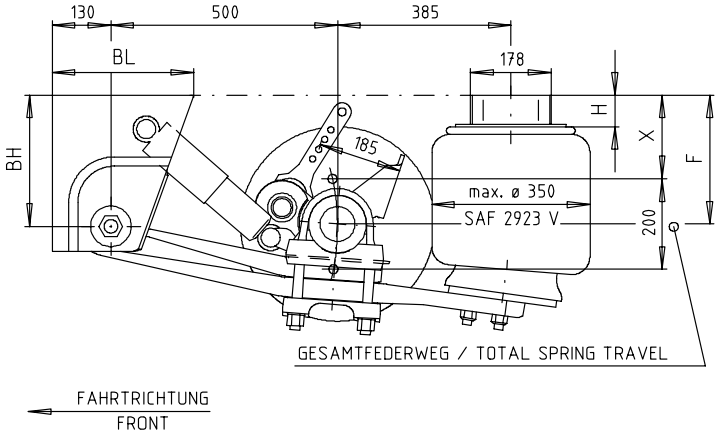
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 12037 12000 kg SNK 367 x 200 285/70 R 19.5	1846/900	2149	237	55	790 2)	---
				70	760	
	1886/900	2189	248	30 4)	840 2)3)	---
				55	790	
	1886/980	2189	248 3)	70	840 2)	---
	1952/1050	2255	312 3)	70	910 2)	---

Lenghts in mm, weights in kg

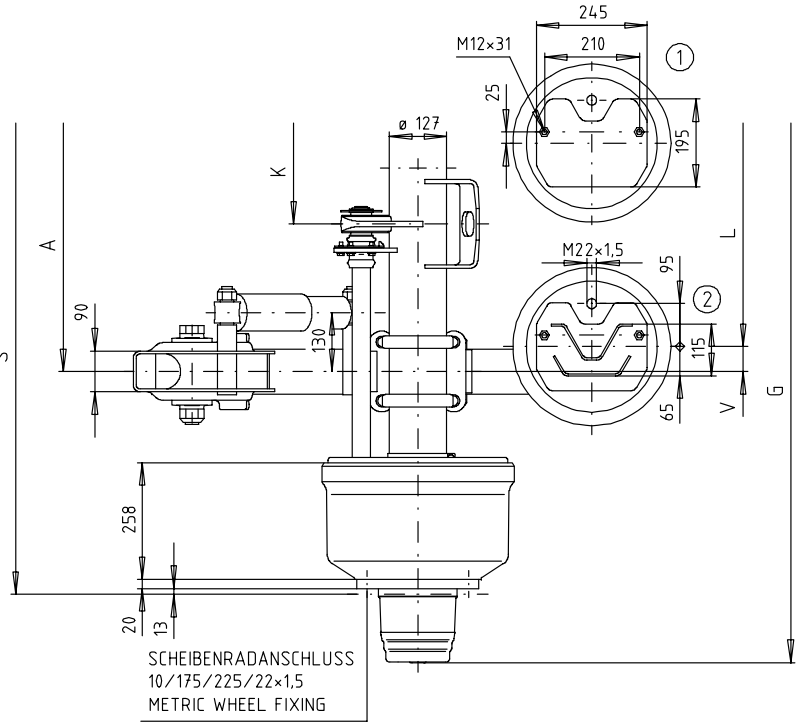
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 285/75 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-S27-SKRZ12037

Nominal ride height 230 - 365 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2923 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U23/2500 S31	230	210-280	220-280	250-280	150	140	250	298	5 ①	204
U25/2504 S31	250	230-300	240-300	270-300	170	160	250	298	40 ②	205
U27/2904 S31	270	250-320	260-320	290-320	190	180	290	313	40 ②	208
U28/2907 S31	285	265-335	275-335	305-335	205	195	290	313	70 ②	209
U30/2910 S31	300	280-350	290-350	320-350	220	210	290	313	100 ②	210
U33/3510 S31	330	310-380	320-380	350-380	250	240	355	337	100 ②	215
U35/3513 S31	350	330-400	340-400	370-400	270	260	355	337	130 ②	216
U36/3516 S31	365	345-415	355-415	385-415	285	275	355	337	160 ②	217



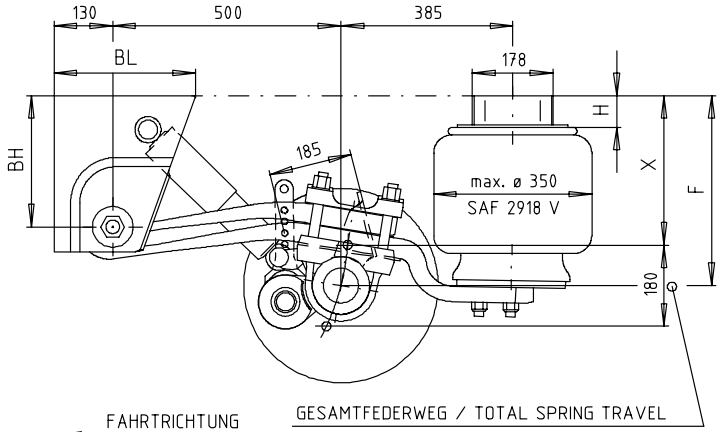
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 12037 12000 kg SNK 367 x 200 285/70 R 19.5	1846/900	2149	237	55	790 2)	---
				70	760	
	1886/900	2189	248	30 4)	840 2)3)	---
				55	790	
	1886/980	2189	248 3)	70	840 2)	---
	1952/1050	2255	312 3)	70	910 2)	---

Lenghts in mm, weights in kg

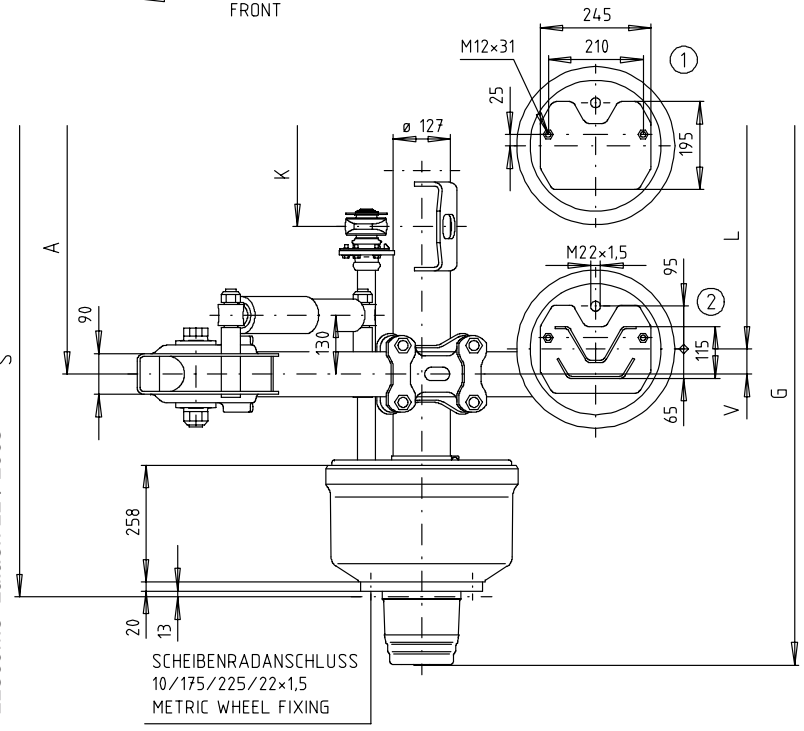
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 285/75 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-S31-SKRZ12037

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2918 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 S27	365	335-385	345-385	375-385	275	265	250	298	5 ①	208
M38/2504 S27	385	355-405	365-405	395-405	295	285	250	298	40 ②	209
M40/2904 S27	400	370-420	380-420	410-420	310	300	290	313	40 ②	212
M42/2907 S27	420	390-440	400-440	430-440	330	320	290	313	70 ②	213
M43/2910 S27	435	405-455	415-455	445-455	345	335	290	313	100 ②	214
M46/3510 S27	465	435-485	445-485	475-485	375	365	355	337	100 ②	219



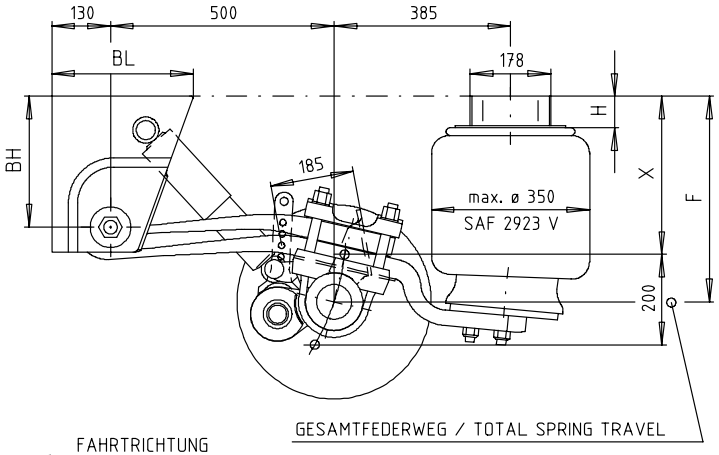
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 12037 12000 kg SNK 367 x 200 285/70 R 19.5	1846/900	2149	237	55	790 2)	---
				70	760	
	1886/900	2189	248	30 4)	840 2)3)	---
				55	790	
	1886/980	2189	248 3)	70	840 2)	---
	1952/1050	2255	312 3)	70	910 2)	---

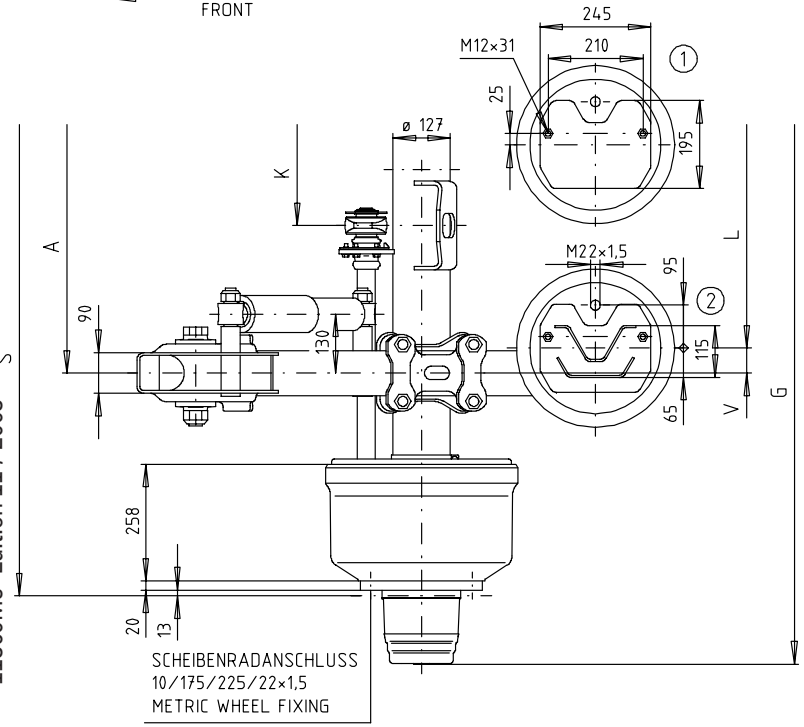
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 285/75 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-S27-SKRZ12037

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 S31	400	360-430	370-430	400-430	300	290	250	298	5 ①	210
M42/2504 S31	420	380-450	390-450	420-450	320	310	250	298	40 ②	211
M43/2904 S31	435	395-465	405-465	435-465	335	325	290	313	40 ②	214
M45/2907 S31	455	415-485	425-485	455-485	355	345	290	313	70 ②	215
M47/2910 S31	470	430-500	440-500	470-500	370	360	290	313	100 ②	216
M50/3510 S31	500	460-530	470-530	500-530	400	390	355	337	100 ②	221

Axle type / axle load / brakes Tyres (example)	S / A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 12037 12000 kg SNK 367 x 200 285/70 R 19.5	1846/900	2149	237	55	790 2)	---
				70	760	
	1886/900	2189	248	30 4)	840 2)3)	---
				55	790	
	1886/980	2189	248 3)	70	840 2)	---
	1952/1050	2255	312 3)	70	910 2)	---

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 285/75 R 19.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-S31-SKRZ12037

Air Suspension Series with Axle Type

SK RZ 9030

CONTENTS

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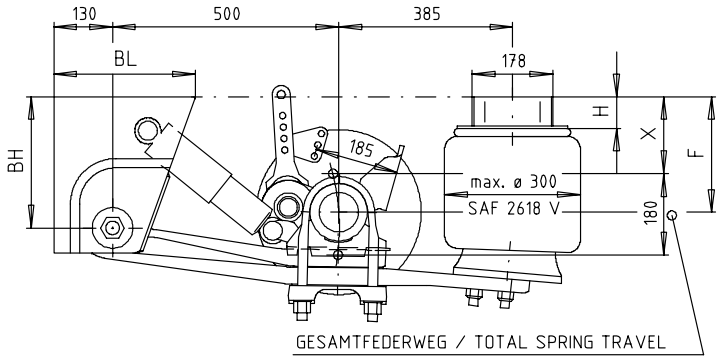
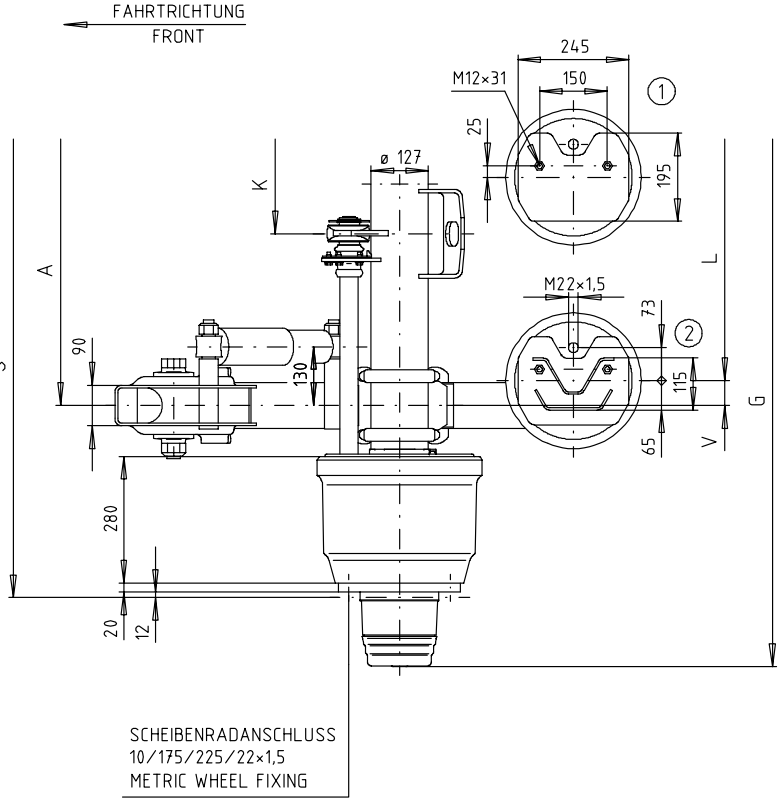




Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
U20/2500 N29	200	185-235	195-235	225-235	125	110	250	298	5 ①	179
U22/2504 N29	220	205-255	215-255	245-255	145	130	250	298	40 ②	180
U24/2904 N29	240	225-275	235-275	265-275	165	150	290	313	40 ②	183
U25/2907 N29	255	240-290	250-290	280-290	180	165	290	313	70 ②	184
U27/2910 N29	270	255-305	265-305	295-305	195	180	290	313	100 ②	185
U30/3510 N29	300	285-335	295-335	325-335	225	210	355	337	100 ②	190
U31/3513 N29	315	300-350	310-350	340-350	240	225	355	337	130 ②	191
U33/3516 N29	330	315-365	325-365	355-365	255	240	355	337	160 ②	192

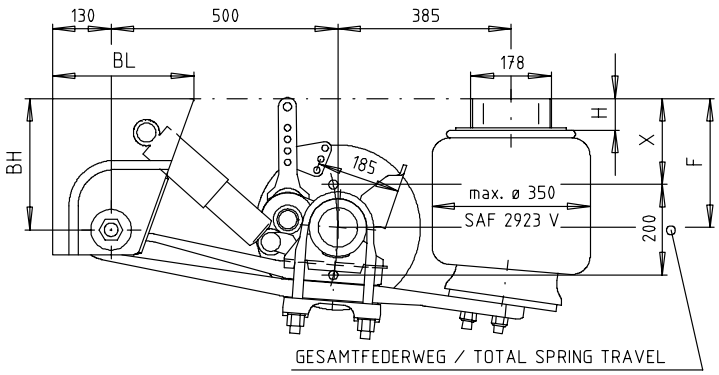
Axle type / axle load / brakes Tyres (example)	S / A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9030 9000 kg SNK 300 x 200 235/75 R 17.5	1830/900	2135	220 3)	30 4)	840	305
				55	790	
	1830/980	2135	220 3)	30 4)	920 2)	305
				55	870	
	1884/980	2189	220 3)	30 4)	920	307.5
				55	870	
	1884/1050	2189	220 3)	30 4)	990 2)	307.5
				55	940	
	1950/1050	2255	340 3)	30 4)	990	311
				55	940	
	1950/1100	2255	340 3)	30 4)	1040 2)	311
				55	990	
	1995/1100	2300	385 3)	30 4)	1040	314
				55	990	
	1995/1150	2300	385 3)	30 4)	1090 2)	314
				55	1040	

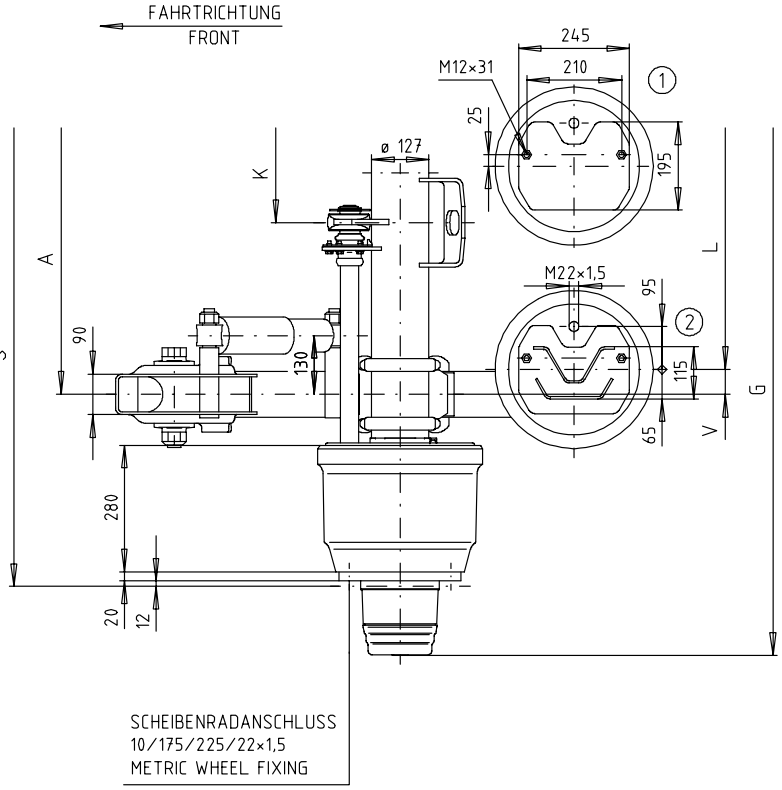
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 235/75 R 17.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N29-SKRZ9030

Nominal ride height 230 - 365 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	length	H air suspension bracket	Weight approx.
U23/2500 N31	230	210-280	220-280	250-280	150	135	250	298	5 ①	194
U25/2504 N31	250	230-300	240-300	270-300	170	155	250	298	40 ②	195
U27/2904 N31	270	250-320	260-320	290-320	190	175	290	313	40 ②	198
U28/2907 N31	285	265-335	275-335	305-335	205	190	290	313	70 ②	199
U30/2910 N31	300	280-350	290-350	320-350	220	205	290	313	100 ②	200
U33/3510 N31	330	310-380	320-380	350-380	250	235	355	337	100 ②	205
U35/3513 N31	350	330-400	340-400	370-400	270	255	355	337	130 ②	206
U36/3516 N31	365	345-415	355-415	385-415	285	270	355	337	160 ②	207

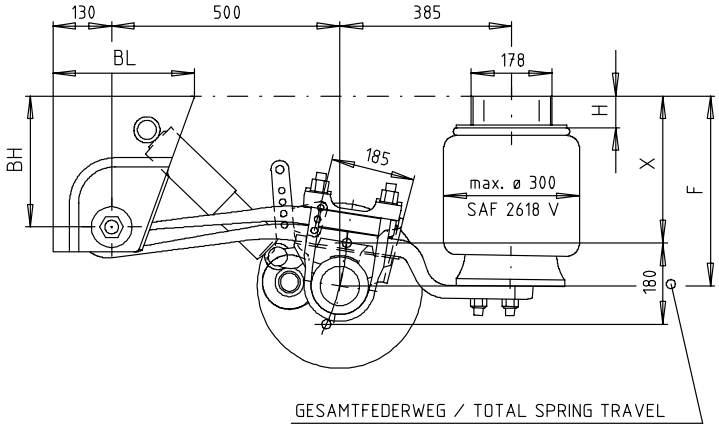
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9030 9000 kg SNK 300 x 200 235/75 R 17.5	1830/900	2135	220	30 4) 55	840 3) 790	305
	1830/980	2135	220 3)	55 70	870 2) 840	305
	1884/980	2189	220 3)	30 4) 55	920 2) 870	307.5
	1884/1050	2189	220 3)	55 70	940 2) 910	307.5
	1950/1050	2255	340 3)	30 4) 55	990 2) 940	311
	1950/1100	2255	340 3)	55 70	990 2) 960	311
	1995/1100	2300	385 3)	30 4) 55	1040 2) 990	314
	1995/1150	2300	385 3)	55 70	1040 2) 1010	314

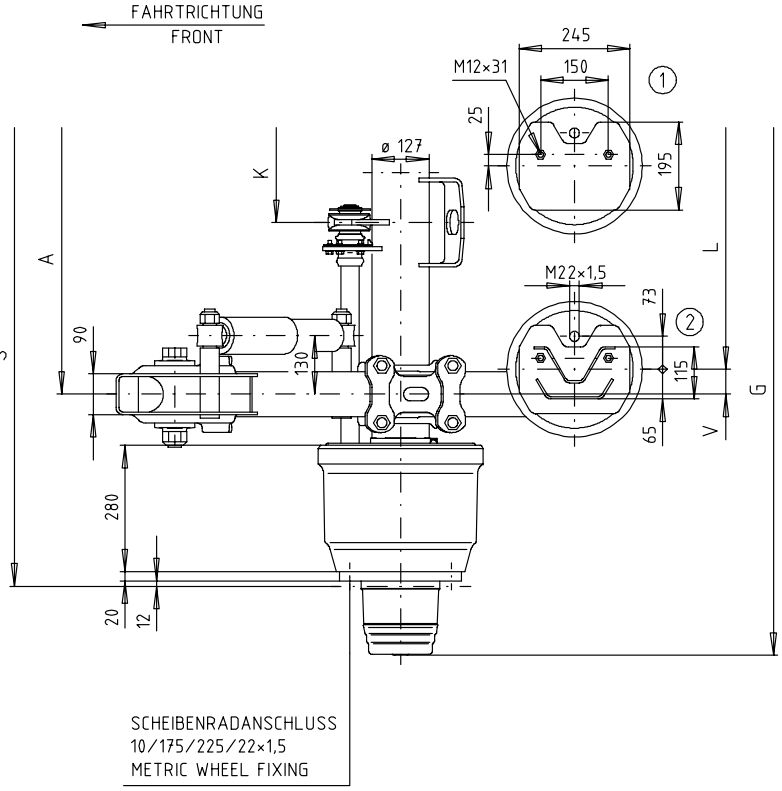
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 235/75 R 17.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N31-SKRZ9030

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 N29	365	335-385	345-385	375-385	275	260	250	298	5 ①	185
M38/2504 N29	385	355-405	365-405	395-405	295	280	250	298	40 ②	186
M40/2904 N29	400	370-420	380-420	410-420	310	295	290	313	40 ②	189
M42/2907 N29	420	390-440	400-440	430-440	330	315	290	313	70 ②	190
M43/2910 N29	435	405-455	415-455	445-455	345	330	290	313	100 ②	191
M46/3510 N29	465	435-485	445-485	475-485	375	360	355	337	100 ②	196

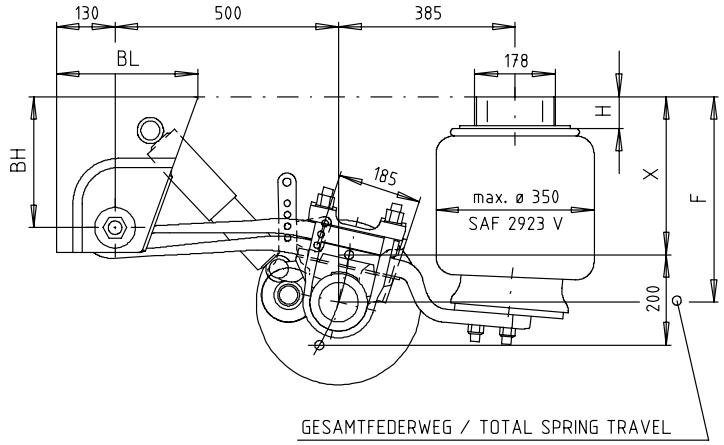
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9030 9000 kg SNK 300 x 200 235/75 R 17.5	1830/900	2135	220 3)	30 4)	840	305
				55	790	
	1830/980	2135	220 3)	30	920 2)	305
				55	870	
	1884/980	2189	220 3)	30	920	307.5
				55	870	
	1884/1050	2189	220 3)	30	990 2)	307.5
				55	940	
	1950/1050	2255	340 3)	30	990	311
				55	940	
	1950/1100	2255	340 3)	30	1040 2)	311
				55	990	
	1995/1100	2300	385 3)	30 4)	1040	314
				55	990	
	1995/1150	2300	385 3)	30	1090 2)	314
				55	1040	

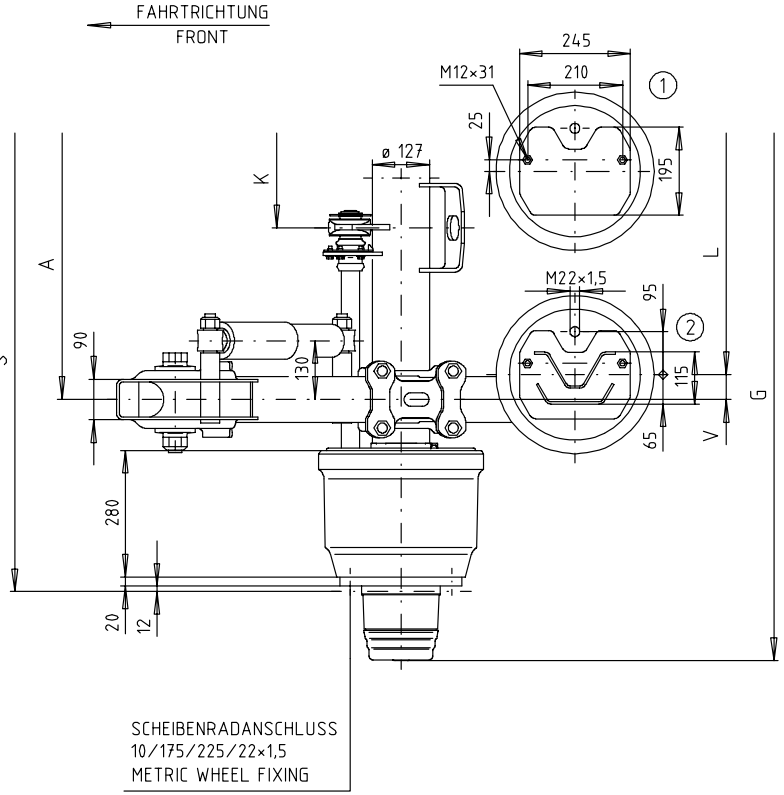
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 235/75 R 17.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N29-SKRZ9030

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 N31	400	360-430	370-430	400-430	300	285	250	298	5 ①	200
M42/2504 N31	420	380-450	390-450	420-450	320	305	250	298	40 ②	201
M43/2904 N31	435	395-465	405-465	435-465	335	320	290	313	40 ②	204
M45/2907 N31	455	415-485	425-485	455-485	355	340	290	313	70 ②	205
M47/2910 N31	470	430-500	440-500	470-500	370	355	290	313	100 ②	206
M50/3510 N31	500	460-530	470-530	500-530	400	385	355	337	100 ②	211

Axle type / axle load / brakes Tyres (example)	S / A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9030 9000 kg SNK 300 x 200 235/75 R 17.5	1830/900	2135	220	30 4)	840 3)	305
				55	790	
	1830/980	2135	220 3)	55	870 2)	305
				70	840	
	1884/980	2189	220 3)	30 4)	920 2)	307.5
				55	870	
	1884/1050	2189	220 3)	55	940 2)	307.5
				70	910	
	1950/1050	2255	340 3)	30 4)	990 2)	311
				55	940	
	1950/1100	2255	340 3)	55	990 2)	311
				70	960	
	1995/1100	2300	385 3)	30 4)	1040 2)	314
				55	990	
	1995/1150	2300	385 3)	55	1040 2)	314
				70	1010	

Lenghts in mm, weights in kg

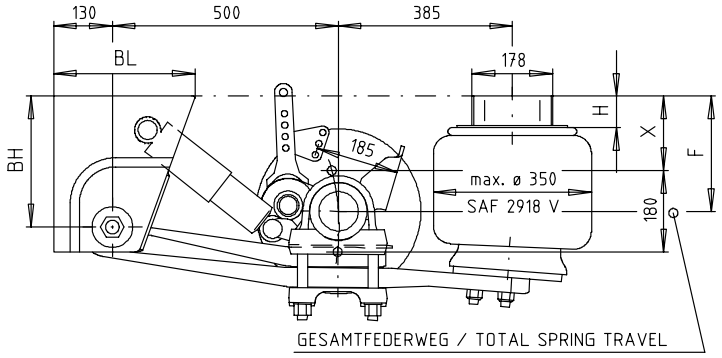
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 235/75 R 17.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N31-SKRZ9030

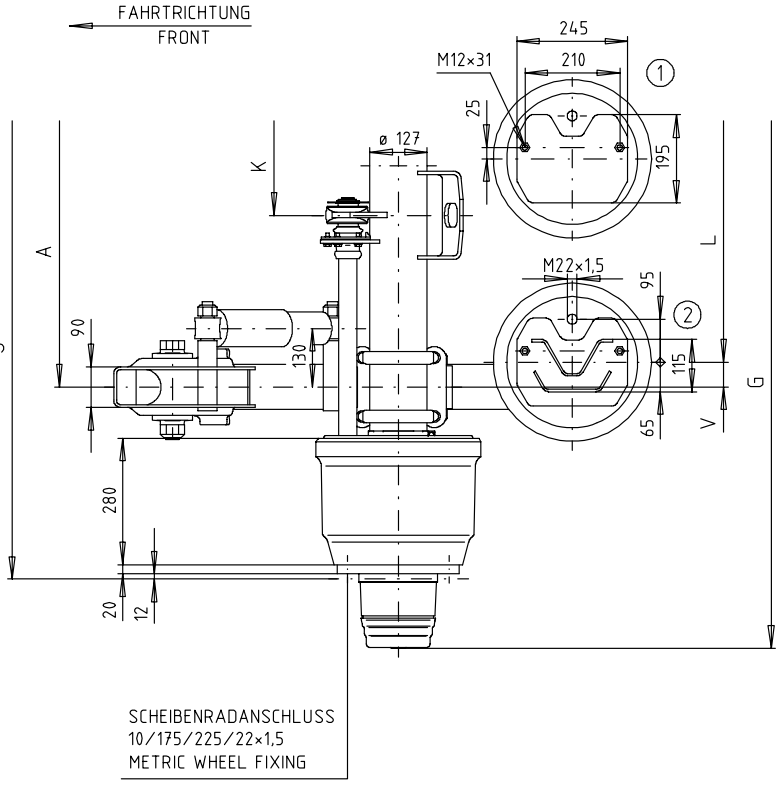
Air Suspension Series with Axle Type

SK RZ 11030

Nominal ride height 200 - 330 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2918 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
U20/2500 S27	200	185-235	195-235	225-235	125	115	250	298	5 ①	202
U22/2504 S27	220	205-255	215-255	245-255	145	135	250	298	40 ②	203
U24/2904 S27	240	225-275	235-275	265-275	165	155	290	313	40 ②	206
U25/2907 S27	255	240-290	250-290	280-290	180	170	290	313	70 ②	207
U27/2910 S27	270	255-305	265-305	295-305	195	185	290	313	100 ②	208
U30/3510 S27	300	285-335	295-335	325-335	225	215	355	337	100 ②	213
U31/3513 S27	315	300-350	310-350	340-350	240	230	355	337	130 ②	214
U33/3516 S27	330	315-365	325-365	355-365	255	245	355	337	160 ②	215



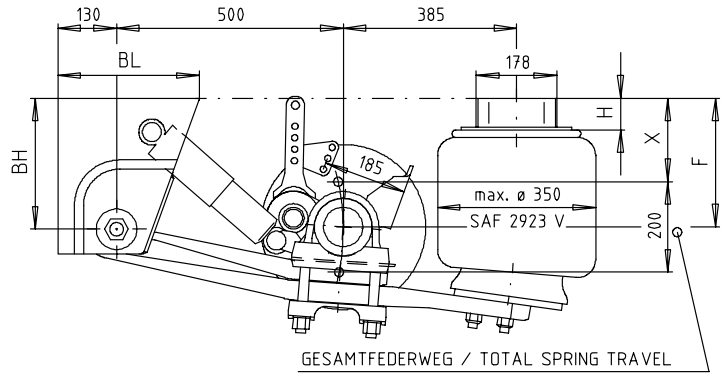
Axle type / axle load / brakes Tyres (example)	S / A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11030 10000 kg SNK 300 x 200 235/75 R 17.5	1830/900	2135	220	30 4)	840 3)	305
				55	790	
	1830/980	2135	220 3)	55	870 2)	305
				70	840	
	1884/980	2189	220 3)	30 4)	920 2)	307.5
				55	870	
	1884/1050	2189	220 3)	55	940 2)	307.5
				70	910	
	1950/1050	2255	340 3)	30 4)	990 2)	311
				55	940	
	1950/1100	2255	340 3)	55	990 2)	311
				70	960	
	1995/1100	2300	385 3)	30 4)	1040 2)	314
				55	990	
	1995/1150	2300	385 3)	55	1040 2)	314
				70	1010	

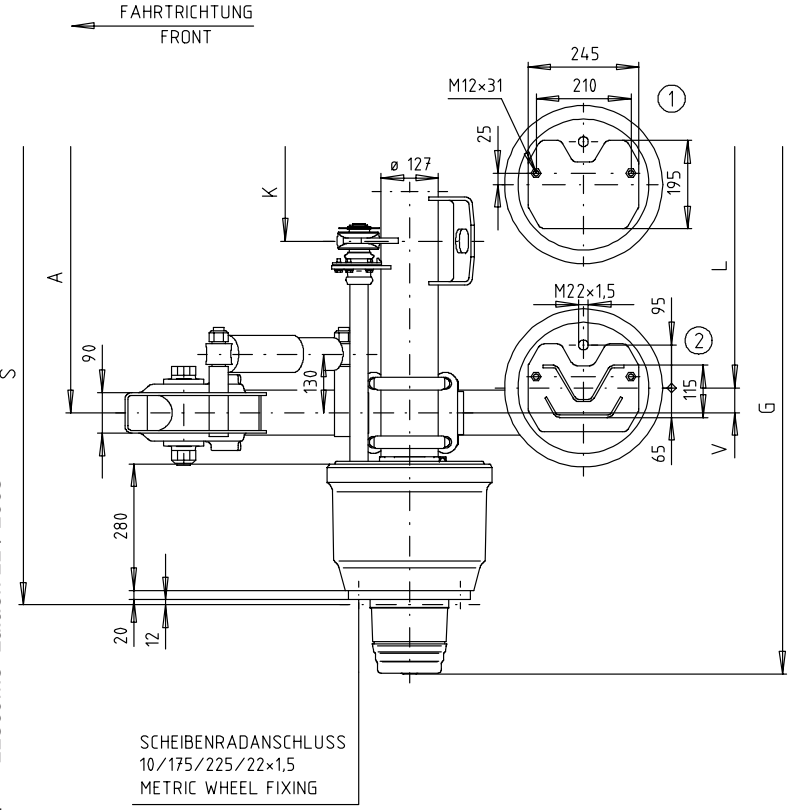
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 235/75 R 17.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-S27-SKRZ11030

Nominal ride height 230 - 365 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
U23/2500 S31	230	210-280	220-280	250-280	150	140	250	298	5 ①	204
U25/2504 S31	250	230-300	240-300	270-300	170	160	250	298	40 ②	205
U27/2904 S31	270	250-320	260-320	290-320	190	180	290	313	40 ②	208
U28/2907 S31	285	265-335	275-335	305-335	205	195	290	313	70 ②	209
U30/2910 S31	300	280-350	290-350	320-350	220	210	290	313	100 ②	210
U33/3510 S31	330	310-380	320-380	350-380	250	240	355	337	100 ②	215
U35/3513 S31	350	330-400	340-400	370-400	270	260	355	337	130 ②	216
U36/3516 S31	365	345-415	355-415	385-415	285	275	355	337	160 ②	217

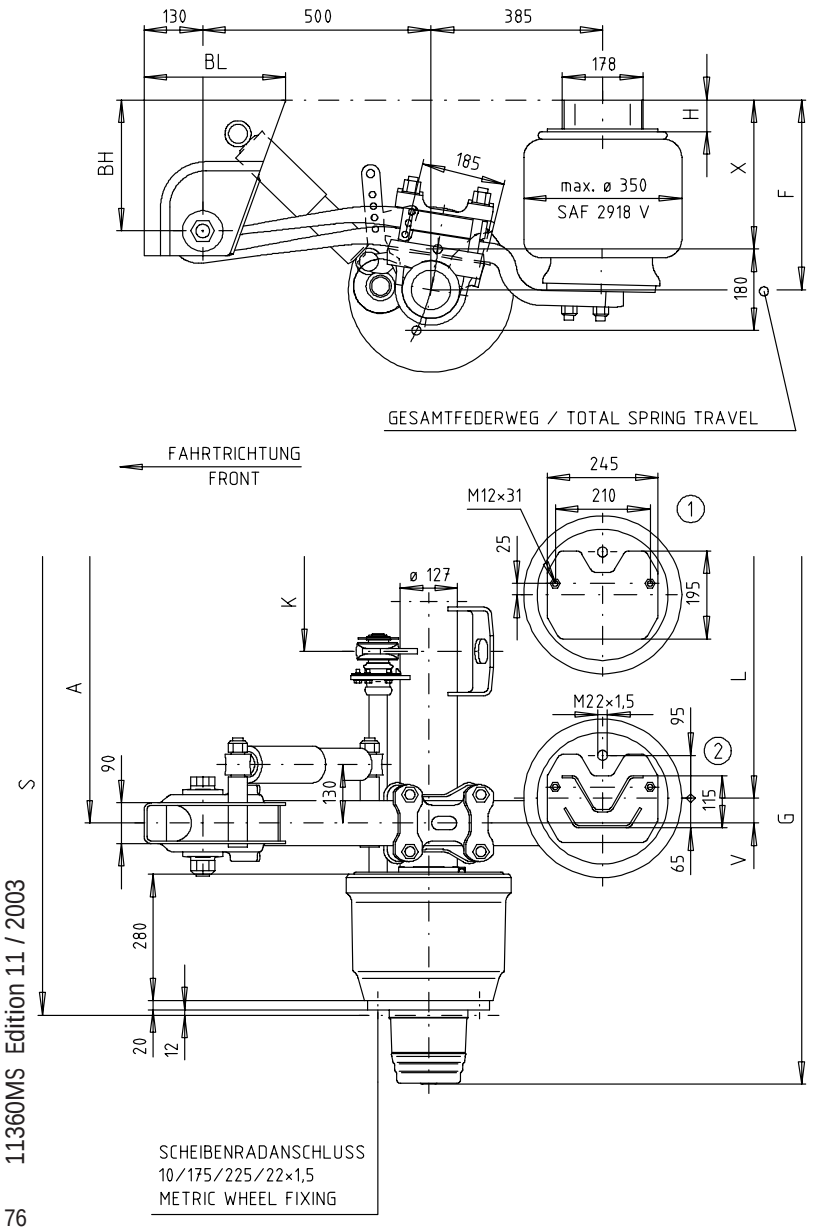
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11030 10000 kg SNK 300 x 200 235/75 R 17.5	1830/900	2135	220	30 4) 55	840 3) 790	305
	1830/980	2135	220 3)	55 70	870 2) 840	305
	1884/980	2189	220 3)	30 4) 55	920 2) 870	307.5
	1884/1050	2189	220 3)	55 70	940 2) 910	307.5
	1950/1050	2255	340 3)	30 4) 55	990 2) 940	311
	1950/1100	2255	340 3)	55 70	990 2) 960	311
	1995/1100	2300	385 3)	30 4) 55	1040 2) 990	314
	1995/1150	2300	385 3)	55 70	1040 2) 1010	314

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 235/75 R 17.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-S31-SKRZ11030

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2918 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 S27	365	335-385	345-385	375-385	275	265	250	298	5 ①	208
M38/2504 S27	385	355-405	365-405	395-405	295	285	250	298	40 ②	209
M40/2904 S27	400	370-420	380-420	410-420	310	300	290	313	40 ②	212
M42/2907 S27	420	390-440	400-440	430-440	330	320	290	313	70 ②	213
M43/2910 S27	435	405-455	415-455	445-455	345	335	290	313	100 ②	214
M46/3510 S27	465	435-485	445-485	475-485	375	365	355	337	100 ②	219

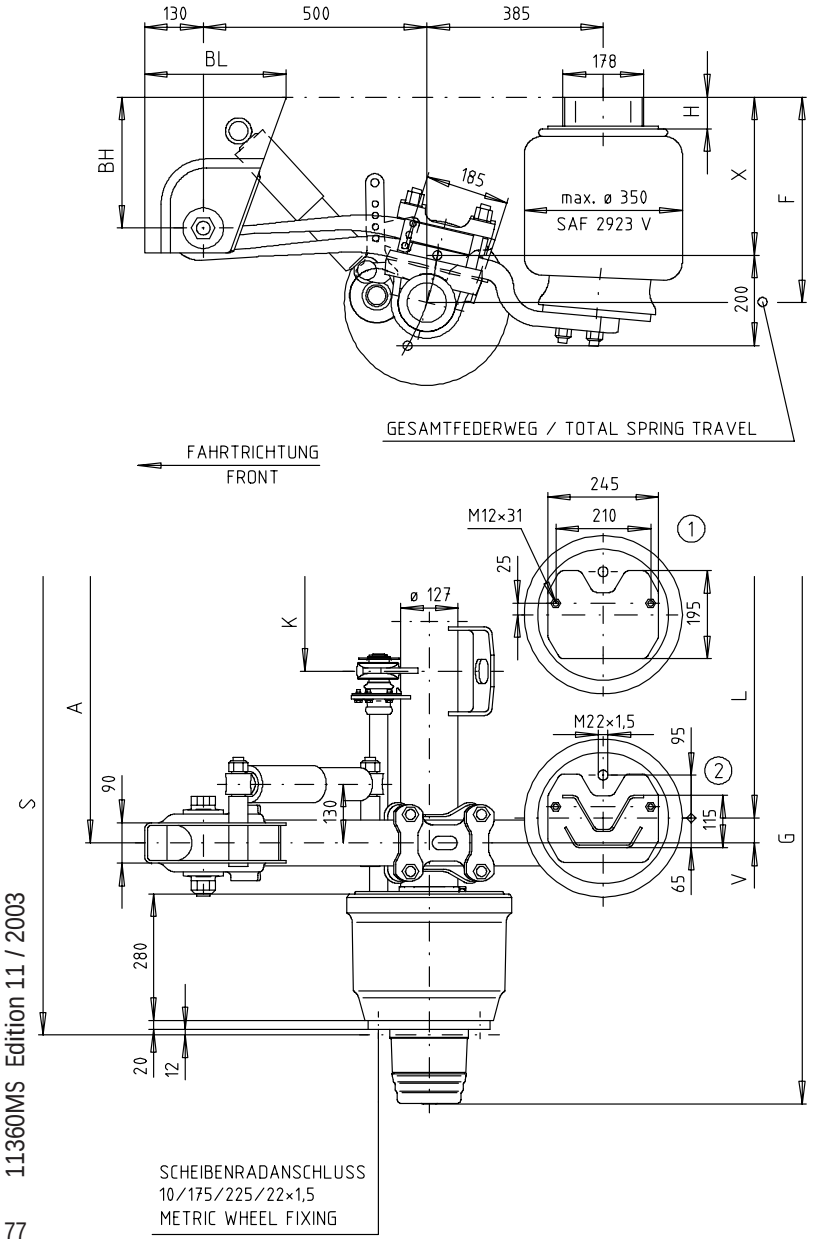
Axle type / axle load / brakes Tyres (example)	S / A Track width / Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11030 10000 kg SNK 300 x 200 235/75 R 17.5	1830/900	2135	220	30 4) 55	840 3) 790	305
	1830/980	2135	220 3)	55 70	870 2) 840	305
	1884/980	2189	220 3)	30 4) 55	920 2) 870	307.5
	1884/1050	2189	220 3)	55 70	940 2) 910	307.5
	1950/1050	2255	340 3)	30 4) 55	990 2) 940	311
	1950/1100	2255	340 3)	55 70	990 2) 960	311
	1995/1100	2300	385 3)	30 4) 55	1040 2) 990	314
	1995/1150	2300	385 3)	55 70	1040 2) 1010	314

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 235/75 R 17.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-S27-SKRZ11030

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2923 V



Air suspension type	F Nominal ride height	Ride height range 4) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 4) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 S31	400	360-430	370-430	400-430	300	290	250	298	5 ①	210
M42/2504 S31	420	380-450	390-450	420-450	320	310	250	298	40 ②	211
M43/2904 S31	435	395-465	405-465	435-465	335	325	290	313	40 ②	214
M45/2907 S31	455	415-485	425-485	455-485	355	345	290	313	70 ②	215
M47/2910 S31	470	430-500	440-500	470-500	370	360	290	313	100 ②	216
M50/3510 S31	500	460-530	470-530	500-530	400	390	355	337	100 ②	221

Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	K Baseplate centre	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11030 10000 kg SNK 300 x 200 235/75 R 17.5	1830/900	2135	220	30 4) 55	840 3) 790	305
	1830/980	2135	220 3)	55 70	870 2) 840	305
	1884/980	2189	220 3)	30 4) 55	920 2) 870	307.5
	1884/1050	2189	220 3)	55 70	940 2) 910	307.5
	1950/1050	2255	340 3)	30 4) 55	990 2) 940	311
	1950/1100	2255	340 3)	55 70	990 2) 960	311
	1995/1100	2300	385 3)	30 4) 55	1040 2) 990	314
	1995/1150	2300	385 3)	55 70	1040 2) 1010	314

Lenghts in mm, weights in kg

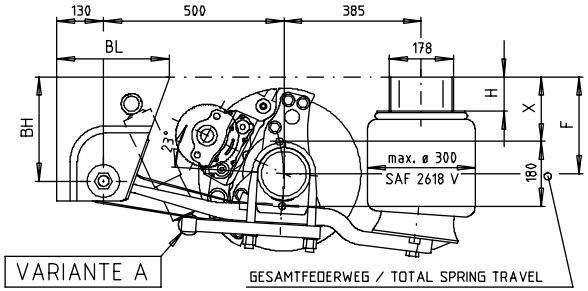
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 235/75 R 17.5 (minimum distance between tyre and air bag!)
3) = Spring brake cylinders can be installed
4) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

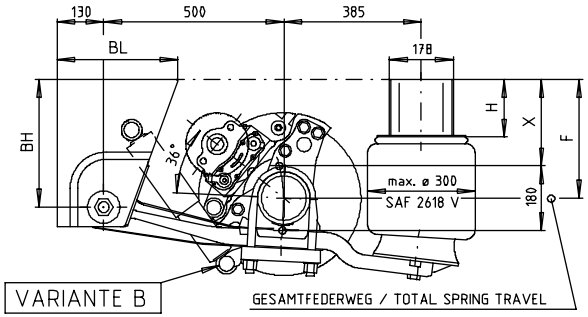
Ref. No.: M-S31-SKRZ11030

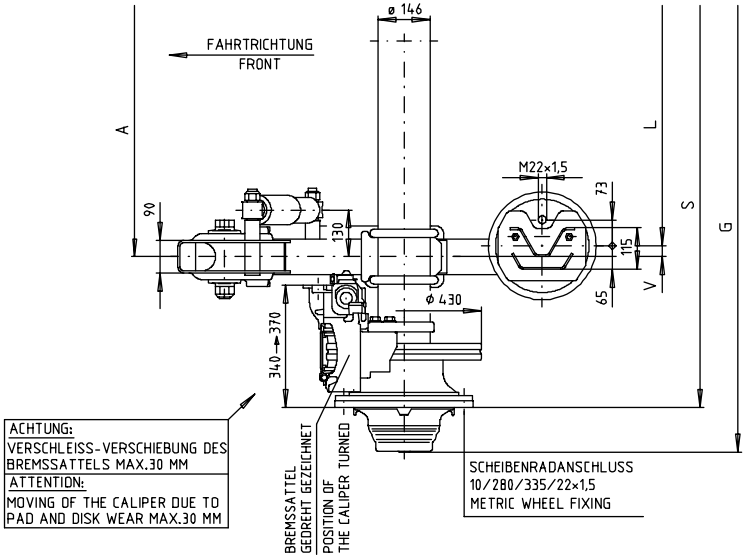
Air Suspension Series with Axle Type

SK RS 9022

Nominal ride height 270 + 330 mm – Mono leaf trailing arm – Air bag SAF 2618 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
A	U27/2910 E29	270	240-290	250-290	280-290	180	160	290	313	100	183
B	U33/3516 E29	330	300-350	310-350	340-350	240	220	355	337	160	187

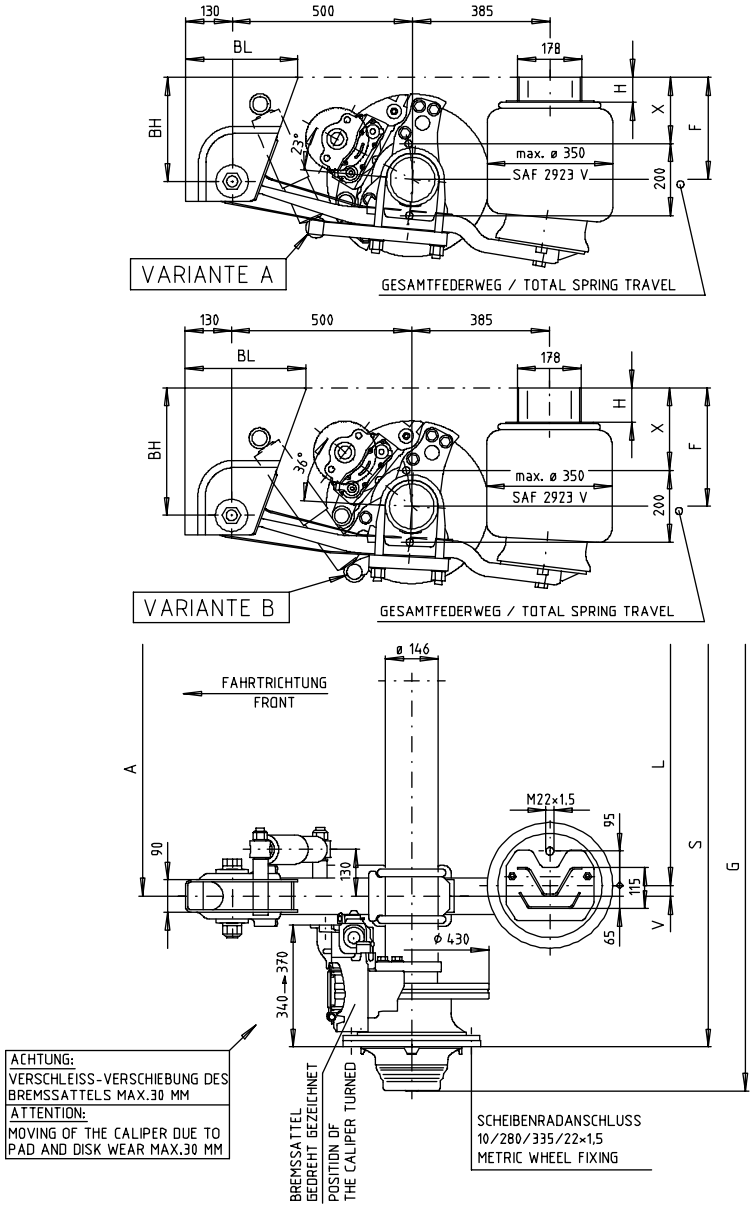
Axle type / axle load / brakes Tyres (example)	S / A Track width / Spring Centre	G Axle width	Version	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9022 **9000 kg** **SB 2243-11S** **385/65 R 22.5**	1970/1100	2217	A + B	0	1100	323
				30	1040	
				55 3)	990	
	1970/1200	2217	B	0	1200 2)	323
				30	1140	
				55 3)	1090	
	2040/1200	2287	A + B	0	1200	326
				30	1140	
				55 3)	1090	
	2040/1300	2287	B	30	1240	326
				55 3)	1190	
	2090/1300	2337	B	0	1300 2)	328
				30	1240	
				55 3)	1190	

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 385/65 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-E29-SKRS9022

Nominal ride height 285 - 365 mm – Mono leaf trailing arm – Air bag SAF 2923 V



Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL bracket length	H air suspension bracket	Weight approx.
A	U28/2907 E31	285	245-315	255-315	285-315	185	165	290	313	70	197
A	U30/2910 E31	300	260-330	270-330	300-330	200	180	290	313	100	198
B	U33/3510 E31	330	290-360	300-360	330-360	230	210	355	337	100	200
B	U35/3513 E31	350	310-380	320-380	350-380	250	230	355	337	130	201
B	U36/3516 E31	365	325-395	335-395	365-395	265	245	355	337	160	202

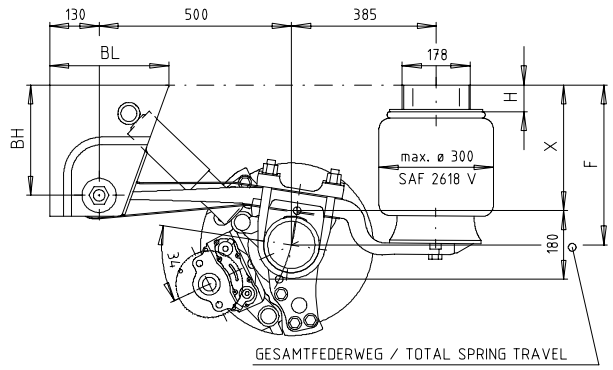
Axle type / axle load / brakes Tyres (example)	S / A Track width / Spring Centre	G Axle width	Version	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9022 9000 kg SB 2243-11S 385/65 R 22.5	1970/1100	2217	A + B	0	1100	323
				30	1040	
				55 3)	990	
	1970/1200	2217	B	30	1140 2)	323
				55 3)	1090	
	2040/1200	2287	A + B	0	1200 2)	326
				30	1140	
				55 3)	1090	
	2040/1300	2287	B	55 3)	1190	326
	2090/1300	2337	B	30	1240	328
				55 3)	1190	

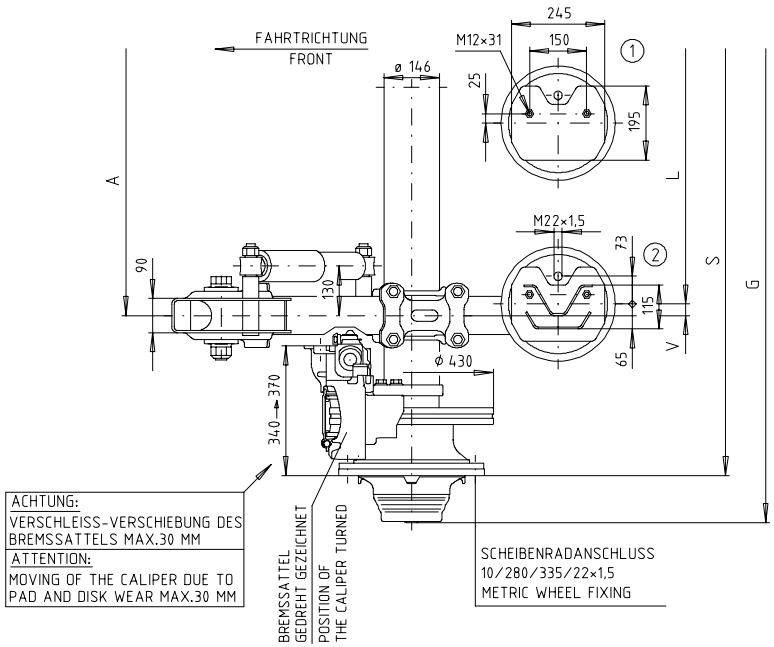
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 385/65 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-E31-SKRS9022

Nominal ride height 365 - 465 mm – Mono leaf trailing arm – Air bag SAF 2618 V





Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 E29	365	335-385	345-385	375-385	275	255	250	298	5 ①	167
M38/2504 E29	385	355-405	365-405	395-405	295	275	250	298	40 ②	168
M40/2904 E29	400	370-420	380-420	410-420	310	290	290	313	40 ②	171
M42/2907 E29	420	390-440	400-440	430-440	330	310	290	313	70 ②	172
M43/2910 E29	435	405-455	415-455	445-455	345	325	290	313	100 ②	173
M46/3510 E29	465	435-485	445-485	475-485	375	355	355	337	100 ②	178

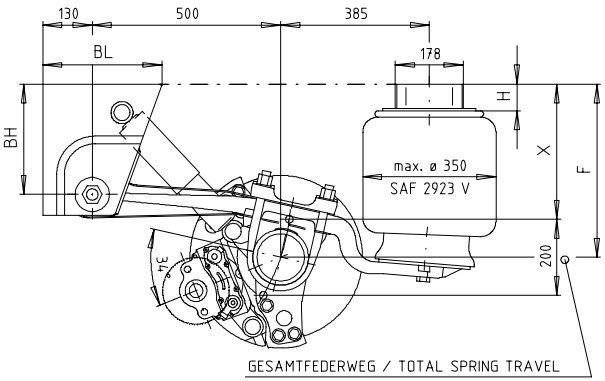
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9022 9000 kg SB 2243-11S 385/65 R 22.5	1970/1100	2217	0	1100	323
			30	1040	
			55 3)	990	
	1970/1200	2217	0	1200 2)	323
			30	1140	
			55 3)	1090	
	2040/1200	2287	0	1200	326
			30	1140	
			55 3)	1090	
	2040/1300	2287	30	1240	326
			55 3)	1190	
	2090/1300	2337	0	1300 2)	328
			30	1240	
			55 3)	1190	

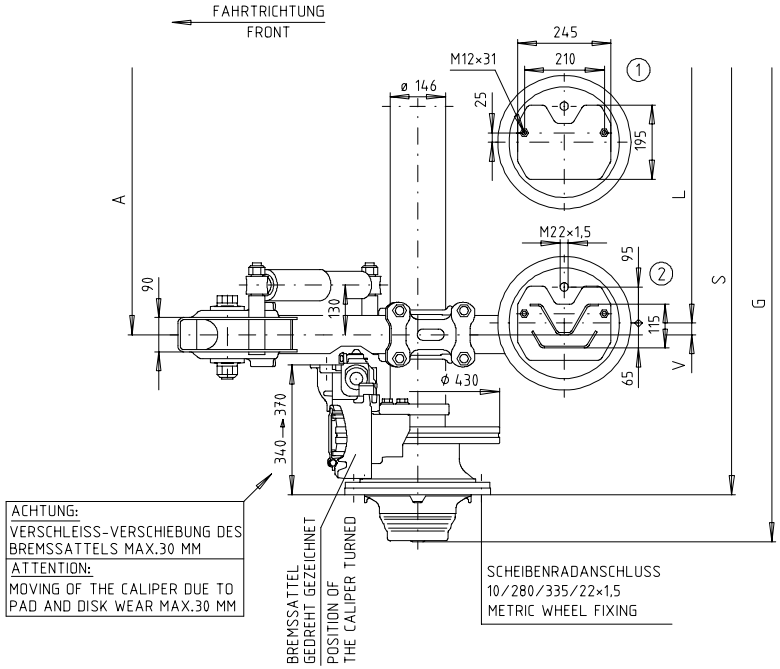
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 385/65 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-E29-SKRS9022

Nominal ride height 400 - 500 mm – Mono leaf trailing arm – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 E31	400	360-430	370-430	400-430	300	280	250	298	5 ①	182
M42/2504 E31	420	380-450	390-450	420-450	320	300	250	298	40 ②	183
M43/2904 E31	435	395-465	405-465	435-465	335	315	290	313	40 ②	186
M45/2907 E31	455	415-485	425-485	455-485	355	335	290	313	70 ②	187
M47/2910 E31	470	430-500	440-500	470-500	370	350	290	313	100 ②	188
M50/3510 E31	500	460-530	470-530	500-530	400	380	355	337	100 ②	193

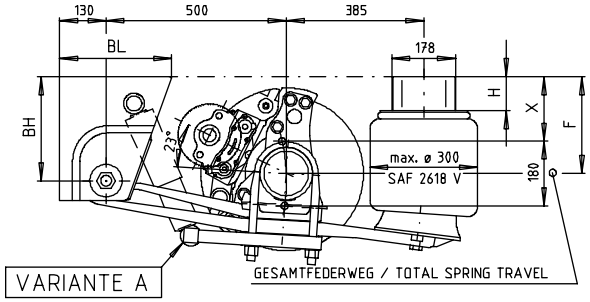
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9022 9000 kg SB 2243-11S 385/65 R 22.5	1970/1100	2217	0	1100	323
			30	1040	
			55 3)	990	
	1970/1200	2217	30	1140 2)	323
			55 3)	1090	
	2040/1200	2287	0	1200 2)	326
			30	1140	
			55 3)	1090	
	2040/1300	2287	55 3)	1190	326
	2090/1300	2337	30	1240	328
			55 3)	1190	

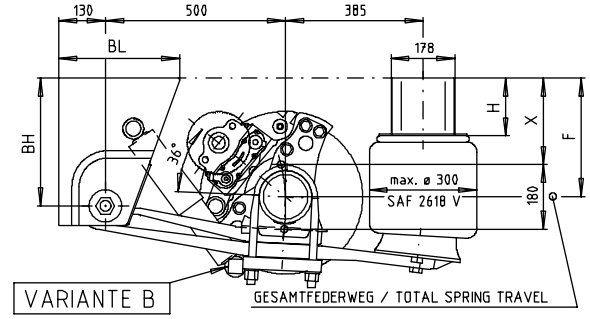
Lenghts in mm, weights in kg

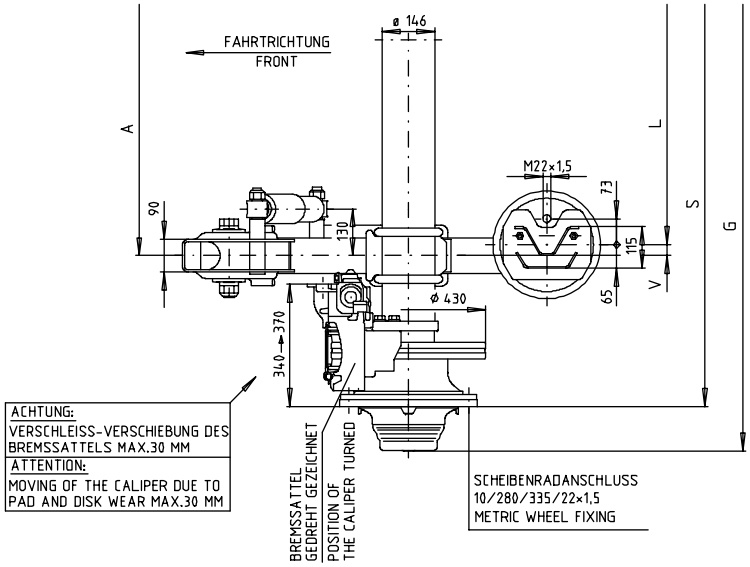
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 385/65 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-E31-SKRS9022

Nominal ride height 270 + 330 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
A	U27/2910 N29	270	240-290	250-290	280-290	180	165	290	313	100	198
B	U33/3516 N29	330	300-350	310-350	340-350	240	225	355	337	160	202

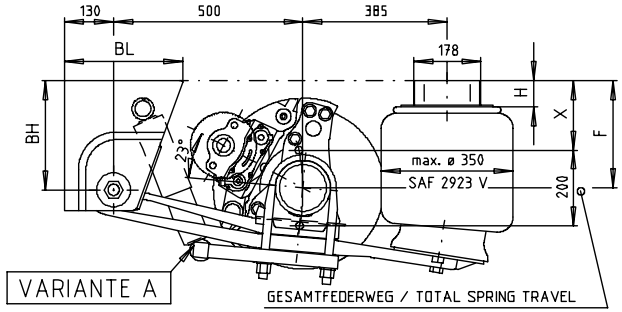
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	Version	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9022 9000 kg SB 2243-11S 385/65 R 22.5	1970/1100	2217	A + B	0	1100	323
				30	1040	
				55 3)	990	
	1970/1200	2217	B	0	1200 2)	323
				30	1140	
				55 3)	1090	
	2040/1200	2287	A + B	0	1200	326
				30	1140	
				55 3)	1090	
	2040/1300	2287	B	30	1240	326
				55 3)	1190	
	2090/1300	2337	B	0	1300 2)	328
				30	1240	
				55 3)	1190	

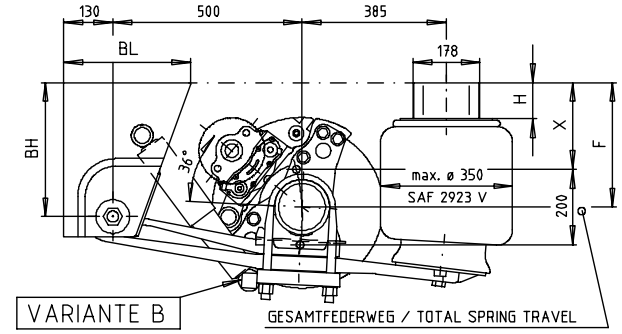
Lenghts in mm, weights in kg

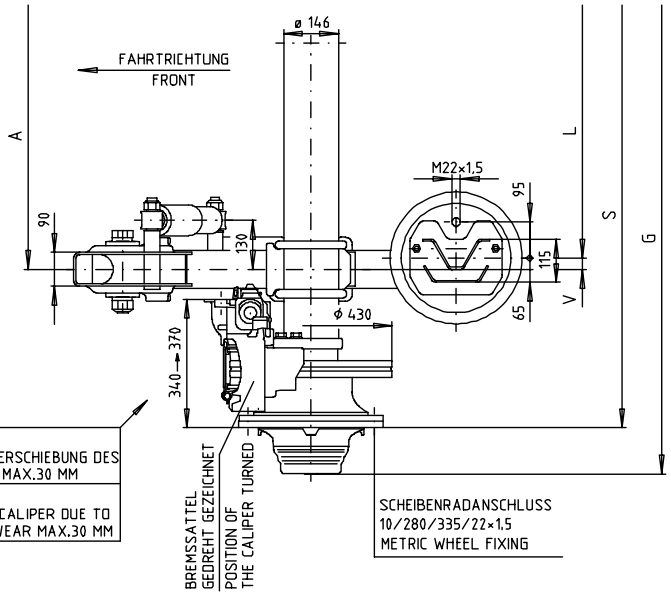
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 385/65 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N29-SKRS9022

Nominal ride height 285 - 365 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL bracket length	H air suspension bracket	Weight approx.
A	U28/2907 N31	285	250-320	260-320	290-320	190	175	290	313	70	212
A	U30/2910 N31	300	265-335	275-335	305-335	205	190	290	313	100	213
B	U33/3510 N31	330	295-365	305-365	335-365	235	220	355	337	100	215
B	U35/3513 N31	350	315-385	325-385	355-385	255	240	355	337	130	216
B	U36/3516 N31	365	330-400	340-400	370-400	270	255	355	337	160	217

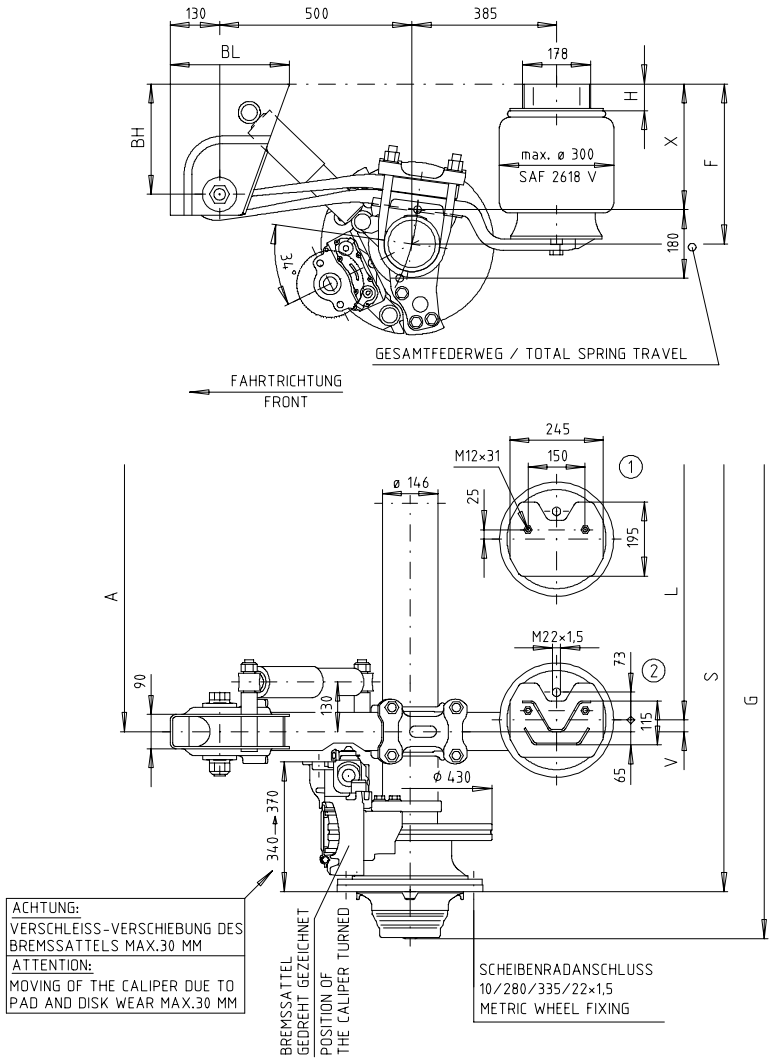
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	Version	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9022 9000 kg SB 2243-11S 385/65 R 22.5	1970/1100	2217	A + B	0	1100	323
				30	1040	
				55 3)	990	
	1970/1200	2217	B	30	1140 2)	323
				55 3)	1090	
	2040/1200	2287	A + B	0	1200 2)	326
				30	1140	
				55 3)	1090	
	2040/1300	2287	B	55 3)	1190	326
	2090/1300	2337	B	30	1240	328
				55 3)	1190	

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 385/65 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N31-SKRS9022

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V



Air suspension type	F	Ride height range 3)			X overall height 3)		BH	BL	H	Weight approx.
	Nominal ride height	for single axles	for axle assemblies	for axle assemblies with lift	unladen without air	laden without air	hanger bracket height	hanger bracket length	air suspension bracket	
M36/2500 N29	365	340-390	350-390	380-390	280	265	250	298	5 ①	186
M38/2504 N29	385	360-410	370-410	400-410	300	285	250	298	40 ②	187
M40/2904 N29	400	375-425	385-425	415-425	315	300	290	313	40 ②	190
M42/2907 N29	420	395-445	405-445	435-445	335	320	290	313	70 ②	191
M43/2910 N29	435	410-460	420-460	450-460	350	335	290	313	100 ②	192
M46/3510 N29	465	440-490	450-490	480-490	380	365	355	337	100 ②	197

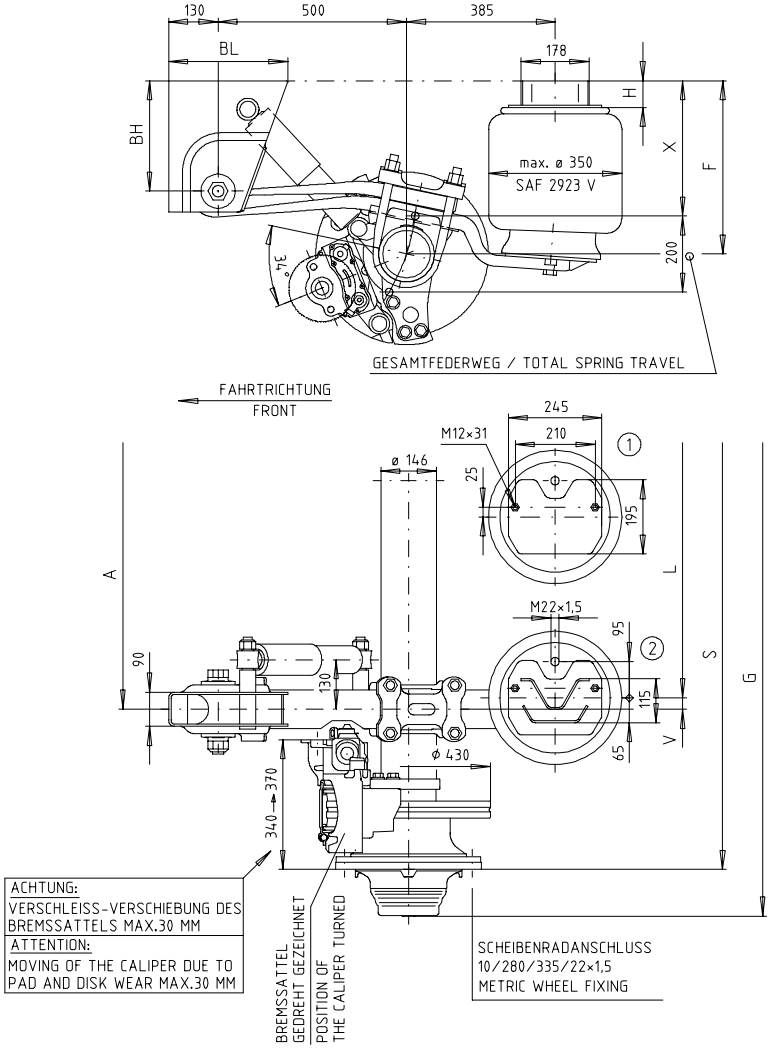
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9022 **9000 kg** **SB 2243-11S** **385/65 R 22.5**	1970/1100	2217	0	1100	323
			30	1040	
			55 3)	990	
	1970/1200	2217	0	1200 2)	323
			30	1140	
			55 3)	1090	
	2040/1200	2287	0	1200	326
			30	1140	
			55 3)	1090	
	2040/1300	2287	30	1240	326
			55 3)	1190	
	2090/1300	2337	0	1300 2)	328
			30	1240	
			55 3)	1190	

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 385/65 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N29-SKRS9022

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V



Air suspension type	F	Ride height range 3)			X overall height 3)		BH	BL	H	Weight approx.
	Nominal ride height	for single axles	for axle assemblies	for axle assemblies with lift	unladen without air	laden without air	hanger bracket height	hanger bracket length	air suspension bracket	
M40/2500 N31	400	365-435	375-435	405-435	305	290	250	298	5 ①	201
M42/2504 N31	420	385-455	395-455	425-455	325	310	250	298	40 ②	202
M43/2904 N31	435	400-470	410-470	440-470	340	325	290	313	40 ②	205
M45/2907 N31	455	420-490	430-490	460-490	360	345	290	313	70 ②	206
M47/2910 N31	470	435-505	445-505	475-505	375	360	290	313	100 ②	207
M50/3510 N31	500	465-535	475-535	505-535	405	390	355	337	100 ②	212

Axle type / axle load / brakes Tyres (example)	S / A Track width / Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9022 **9000 kg** **SB 2243-11S** **385/65 R 22,5**	1970/1100	2217	0	1100	323
			30	1040	
			55 3)	990	
	1970/1200	2217	30	1140 2)	323
			55 3)	1090	
	2040/1200	2287	0	1200 2)	326
			30	1140	
			55 3)	1090	
	2040/1300	2287	55 3)	1190	326
	2090/1300	2337	30	1240	328
			55 3)	1190	

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 385/65 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N31-SKRS9022

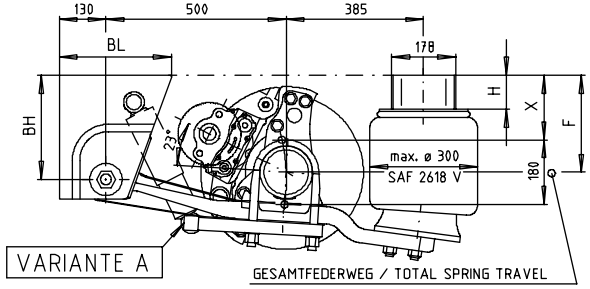
Air Suspension Series with Axle Type

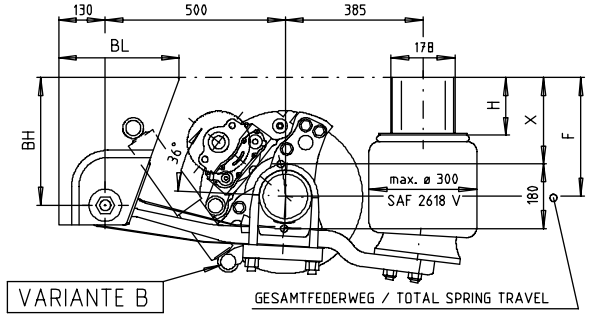
SK RZ 9022

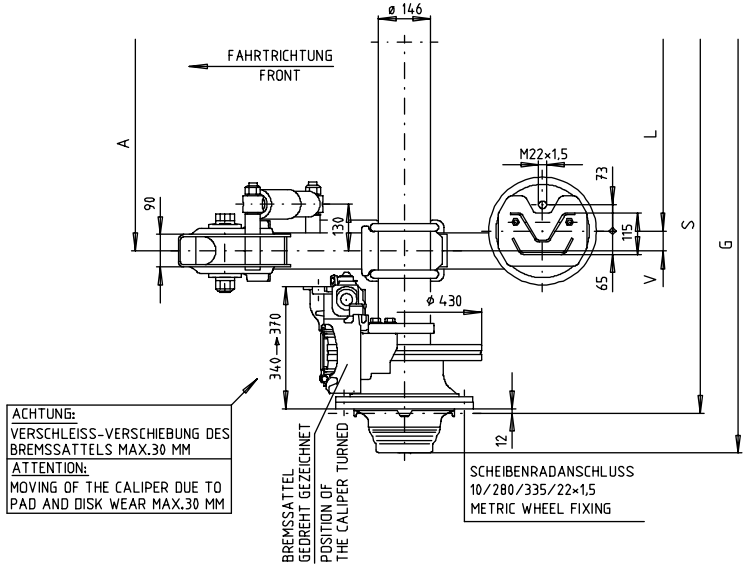
11360MS Edition 11 / 2003

CONTENTS

Nominal ride height 270 + 330 mm – Mono leaf trailing arm – Air bag SAF 2618 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL bracket length	H air suspension bracket	Weight approx.
A	U27/2910 E29	270	245-295	255-295	285-295	185	165	290	313	100	183
B	U33/3516 E29	330	305-355	315-355	345-355	245	225	355	337	160	187

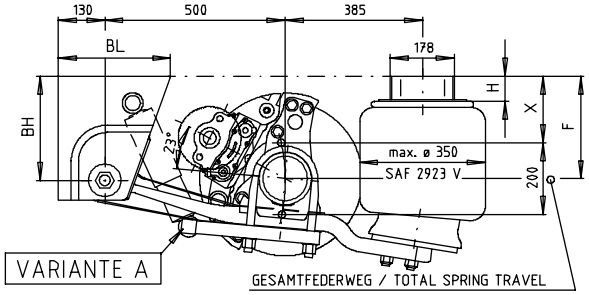
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9022 **9000 kg** **SB 2243-13Z** **10 R 22.5**	1844/900	2067	30 3)	840	331
			55	790	
			70	760	
	1844/980	2067	55	870	331
			70	840	
	1884/980	2107	30 3)	920 2)	333
			55	870	
			70	840	

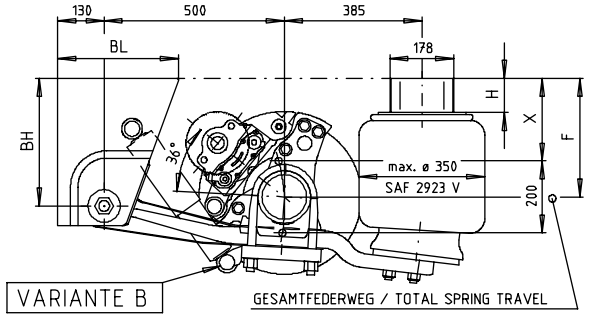
Lenghts in mm, weights in kg

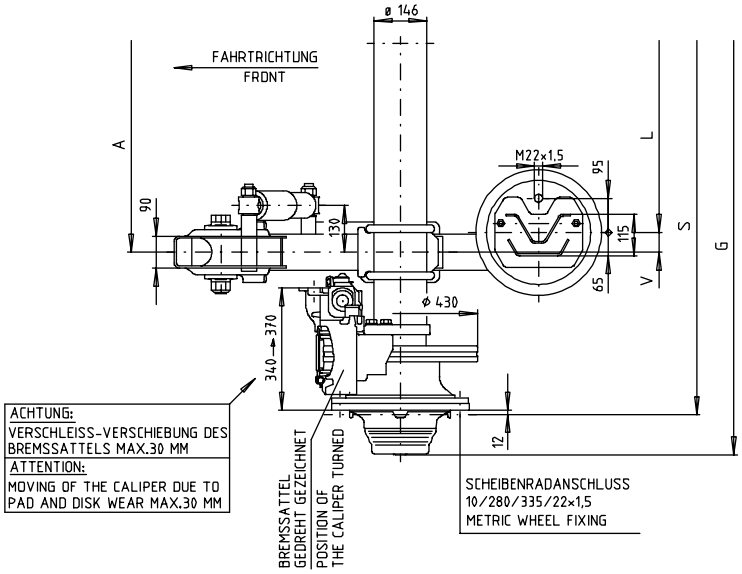
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-E29-SKRZ9022

Nominal ride height 285 - 365 mm – Mono leaf trailing arm – Air bag SAF 2923 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
A	U28/2907 E31	285	250-320	260-320	290-320	190	170	290	313	70	197
A	U30/2910 E31	300	265-335	275-335	305-335	205	185	290	313	100	198
B	U33/3510 E31	330	295-365	305-365	335-365	235	215	355	337	100	200
B	U35/3513 E31	350	320-390	330-390	360-390	255	235	355	337	130	201
B	U36/3516 E31	365	330-400	340-400	370-400	270	250	355	337	160	202

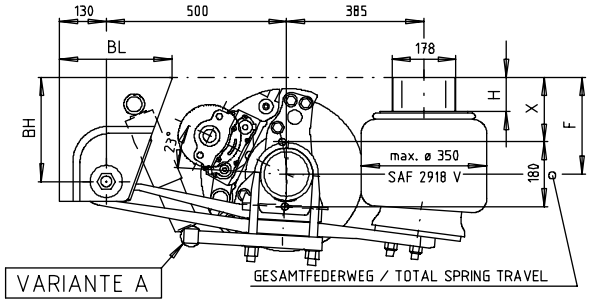
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9022 9000 kg SB 2243-13Z 10 R 22.5	1844/900	2067	30 3)	840 2)	331
			55	790	
			70	760	
	1844/980	2067	70	840 2)	331
	1884/980	2107	55	870 2)	333
			70	840	

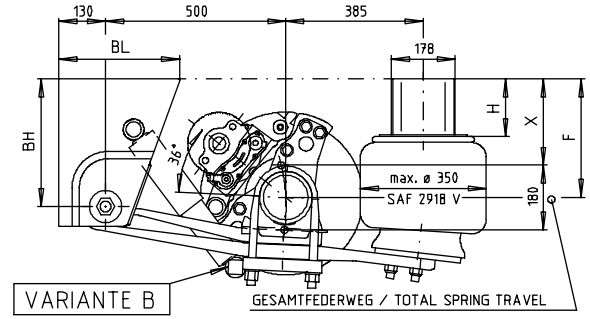
Lenghts in mm, weights in kg

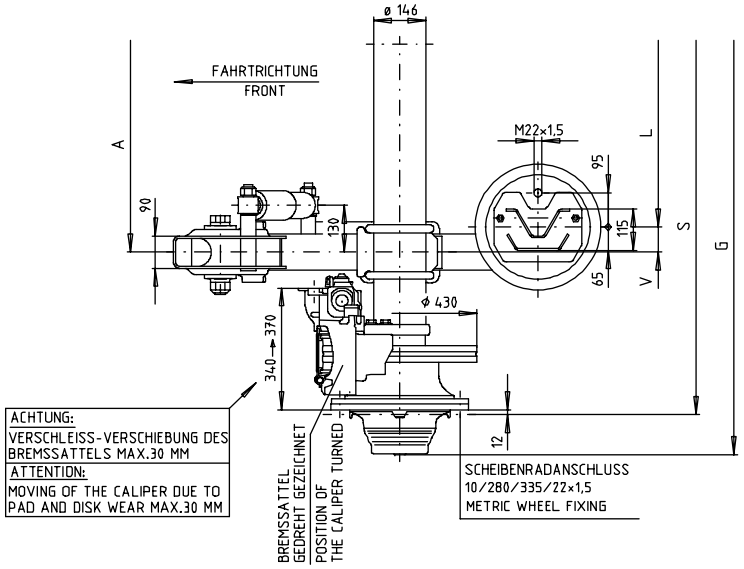
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-E31-SKRZ9022

Nominal ride height 270 + 330 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2918 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
A	U27/2910 N27	270	245-295	255-295	285-295	185	170	290	313	100	211
B	U33/3516 N27	330	305-355	315-355	345-355	245	230	355	337	160	215

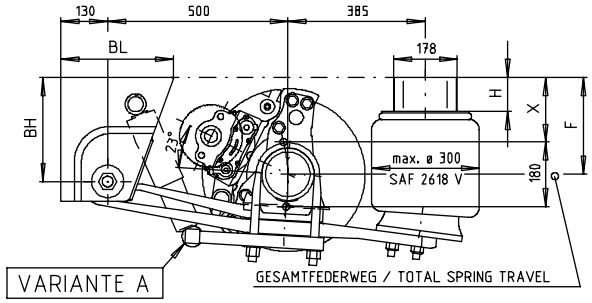
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9022 **9000 kg** **SB 2243-13Z** **10 R 22.5**	1844/900	2067	30 3)	840 2)	331
			55	790	
			70	760	
	1844/980	2067	70	840 2)	331
	1884/980	2107	55	870 2)	333
			70	840	

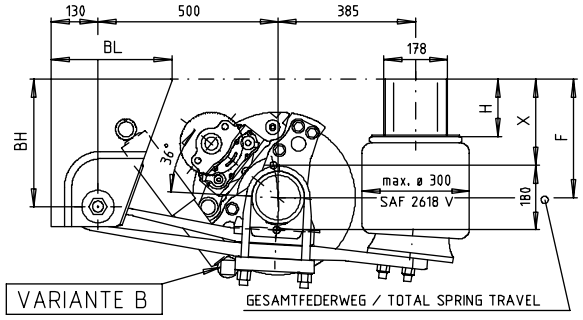
Lenghts in mm, weights in kg

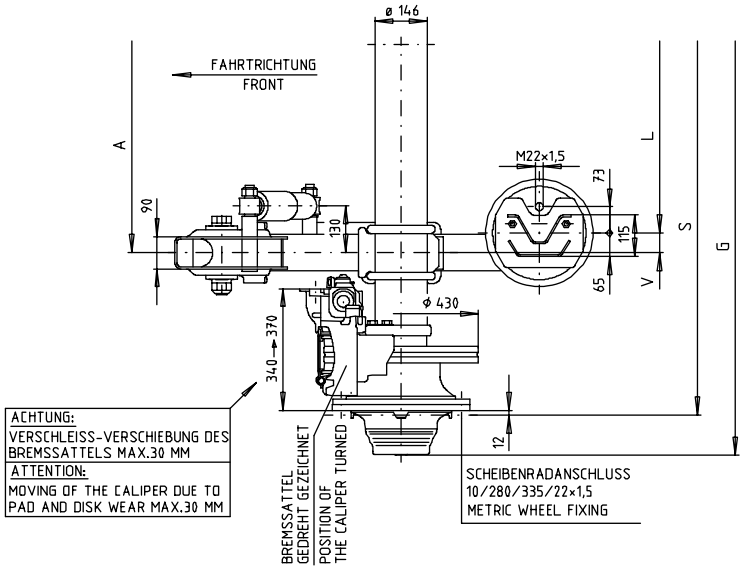
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N27-SKRZ9022

Nominal ride height 270 + 330 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
A	U27/2910 N29	270	245-295	255-295	285-295	185	170	290	313	100	198
B	U33/3516 N29	330	305-355	315-355	345-355	245	230	355	337	160	202

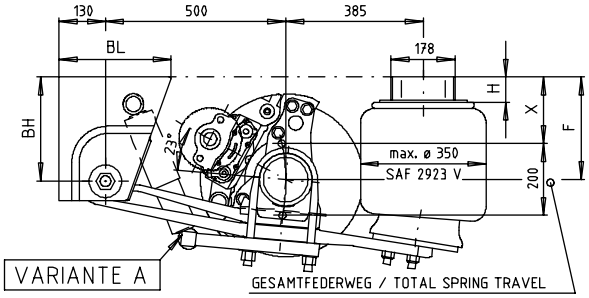
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9022 **9000 kg** **SB 2243-13Z** **10 R 22.5**	1844/900	2067	30 3)	840	331
			55	790	
			70	760	
	1844/980	2067	55	870	331
			70	840	
	1884/980	2107	30 3)	920 2)	333
			55	870	
			70	840	

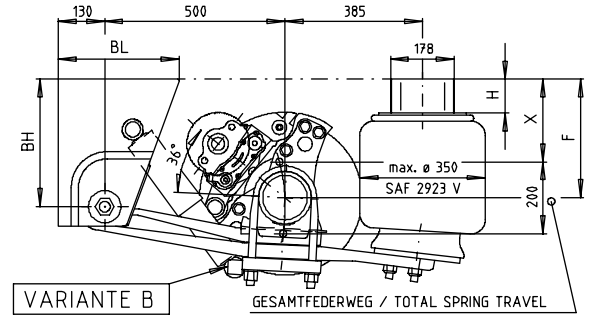
Lenghts in mm, weights in kg

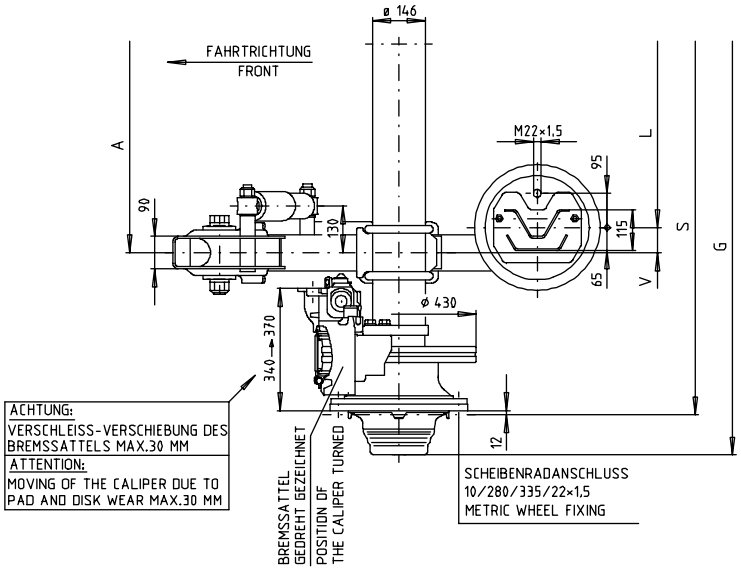
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N29-SKRZ9022

Nominal ride height 285 - 365 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
A	U28/2907 N31	285	255-325	265-325	295-325	195	180	290	313	70	212
A	U30/2910 N31	300	270-340	280-340	310-340	210	195	290	313	100	213
B	U33/3510 N31	330	300-370	310-370	340-370	240	225	355	337	100	215
B	U35/3513 N31	350	320-390	330-390	360-390	260	245	355	337	130	216
B	U36/3516 N31	365	335-405	345-405	375-405	275	260	355	337	160	217

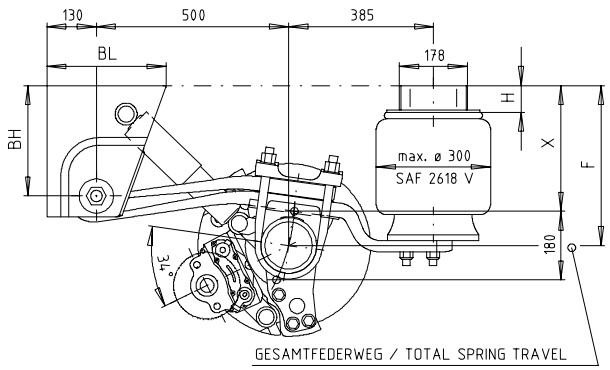
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9022 9000 kg SB 2243-13Z 10 R 22.5	1844/900	2067	30 3)	840 2)	331
			55	790	
			70	760	
	1844/980	2067	70	840 2)	331
	1884/980	2107	55	870 2)	333
			70	840	

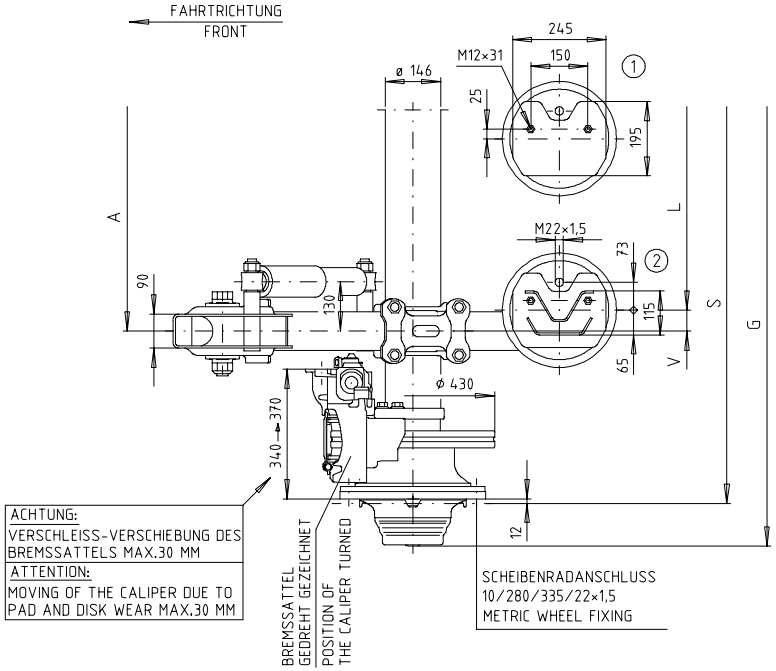
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N31-SKRZ9022

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V





Air suspension type	F	Ride height range 3)			X overall height 3)		BH	BL	H	Weight approx.
	Nominal ride height	for single axles	for axle assemblies	for axle assemblies with lift	unladen without air	laden without air	hanger bracket height	hanger bracket length	air suspension bracket	
M36/2500 N29	365	345-395	355-395	385-395	285	270	250	298	5 ①	186
M38/2504 N29	385	365-415	375-415	405-415	305	290	250	298	40 ②	187
M40/2904 N29	400	380-430	390-430	420-430	320	305	290	313	40 ②	190
M42/2907 N29	420	400-450	410-450	440-450	340	325	290	313	70 ②	191
M43/2910 N29	435	415-465	425-465	455-465	355	340	290	313	100 ②	192
M46/3510 N29	465	445-495	455-495	485-495	385	370	355	337	100 ②	197

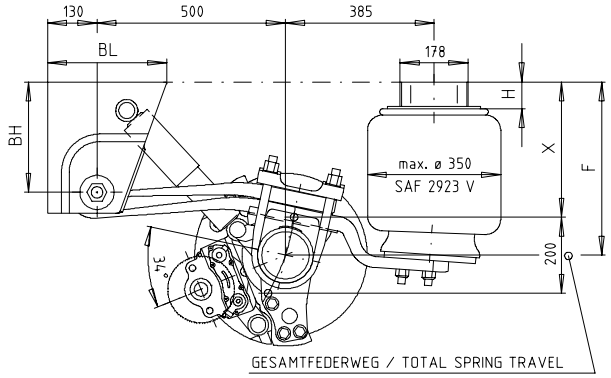
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9022 9000 kg SB 2243-13Z 10 R 22.5	1844/900	2067	30 3)	840	331
			55	790	
			70	760	
	1844/980	2067	55	870	331
			70	840	
	1884/980	2107	30 3)	920 2)	333
			55	870	
			70	840	

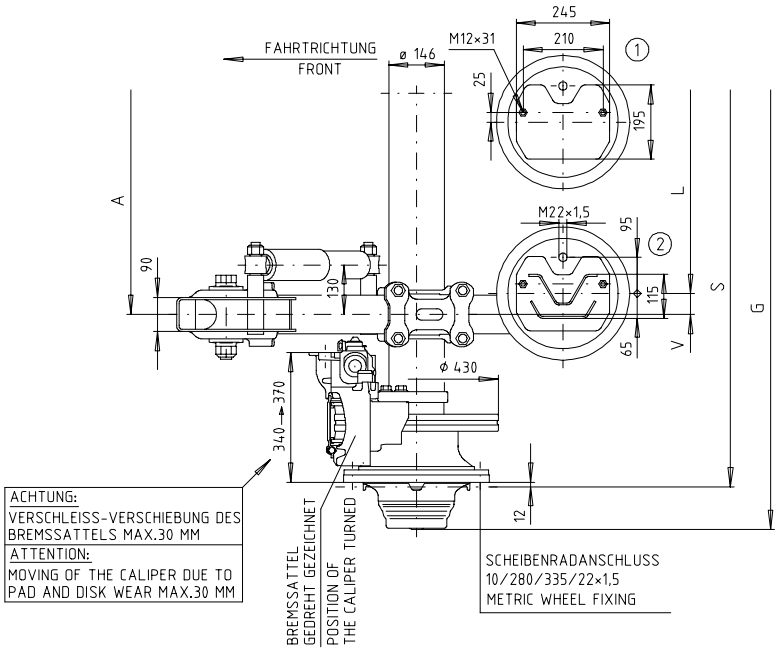
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N29-SKRZ9022

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 N31	400	370-440	380-440	410-440	310	295	250	298	5 ①	201
M42/2504 N31	420	390-460	400-460	430-460	330	315	250	298	40 ②	202
M43/2904 N31	435	405-475	415-475	445-475	345	330	290	313	40 ②	205
M45/2907 N31	455	425-495	435-495	465-495	365	350	290	313	70 ②	206
M47/2910 N31	470	440-510	450-510	480-510	380	365	290	313	100 ②	207
M50/3510 N31	500	470-540	480-540	510-540	410	395	355	337	100 ②	212

Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9022 9000 kg SB 2243-13Z 10 R 22.5	1844/900	2067	30 3)	840 2)	331
			55	790	
			70	760	
	1844/980	2067	70	840 2)	331
	1884/980	2107	55	870 2)	333
			70	840	

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N31-SKRZ9022

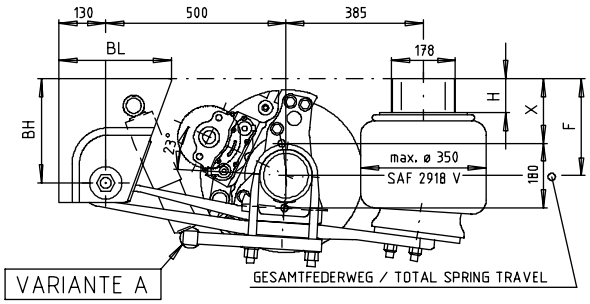
Air Suspension Series with Axle Type

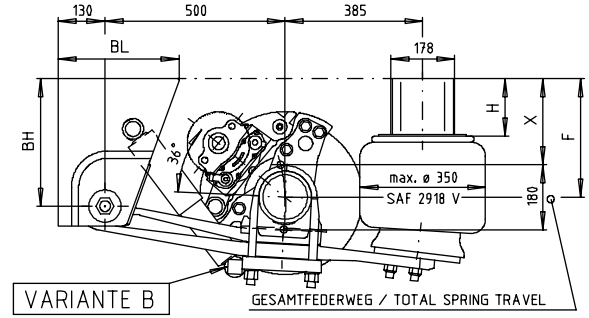
SK RS 11222

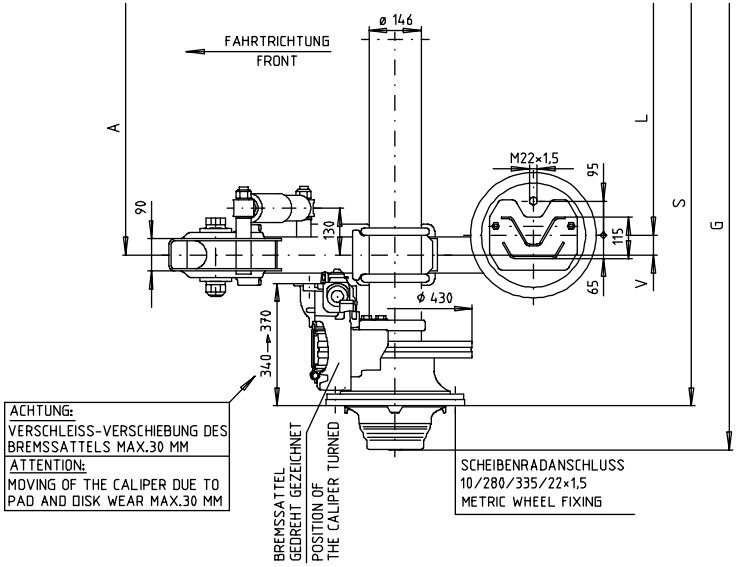
11360MS Edition 11 / 2003

CONTENTS

Nominal ride height 270 + 330 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2918 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
A	U27/2910 N27	270	245-295	255-295	285-295	185	170	290	313	100	211
B	U33/3516 N27	330	305-355	315-355	345-355	245	230	355	337	160	215

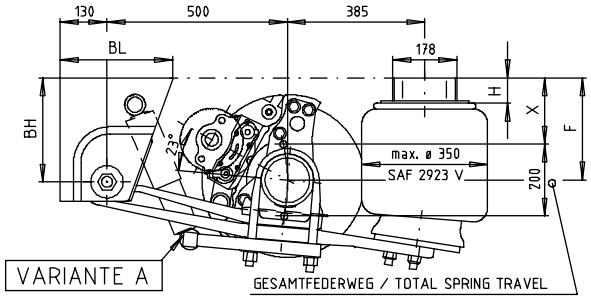
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	Version	V Offset	L Air bag centre	Weight approx. 1)
SK RS 11222 10000 kg SB 2243-11S 425/65 R 22.5	1970/1100	2217	A + B	0 3)	1100 2)	335
				30 3)	1040	
				55	990	
	1970/1200	2217	B	55	1090	335
				70	1060	
	2040/1200	2287	A + B	30 3)	1140	338
				55	1090	
	2040/1300	2287	B	55	1190 2)	338
				70	1160	
	2090/1300	2337	B	30 3)	1240 2)	340
				55	1190	

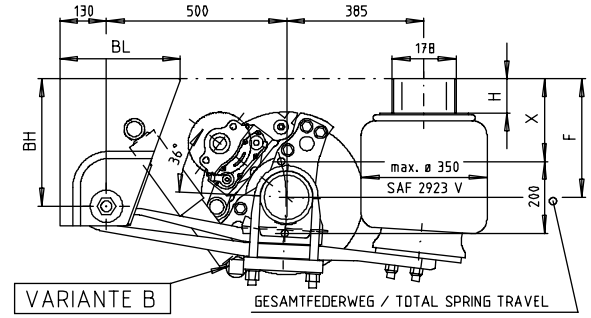
Lenghts in mm, weights in kg

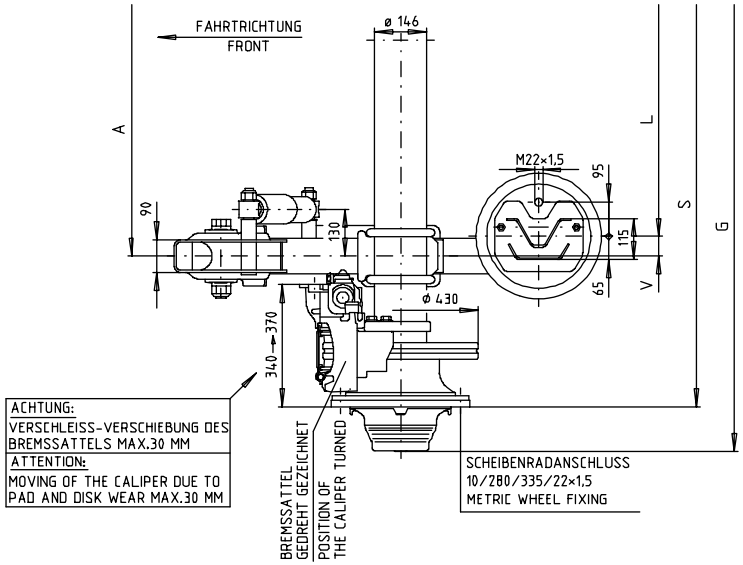
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/65 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N27-SKRS11222

Nominal ride height 285 - 365 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
A	U28/2907 N31	285	255-325	265-325	295-325	195	180	290	313	70	212
A	U30/2910 N31	300	270-340	280-340	310-340	210	195	290	313	100	213
B	U33/3510 N31	330	300-370	310-370	340-370	240	225	355	337	100	215
B	U35/3513 N31	350	320-390	330-390	360-390	260	245	355	337	130	216
B	U36/3516 N31	365	335-405	345-405	375-405	275	260	355	337	160	217

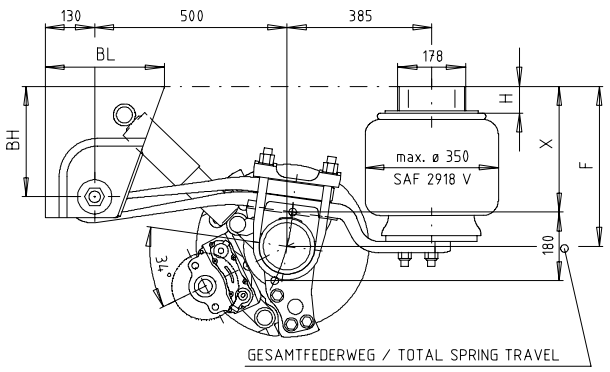
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	Version	V Offset	L Air bag centre	Weight approx. 1)
SK RS 11222 10000 kg SB 2243-11S 425/65 R 22.5	1970/1100	2217	A + B	0 3)	1100 2)	335
				30 3)	1040	
				55	990	
	1970/1200	2217	B	55	1090	335
				70	1060	
	2040/1200	2287	A + B	30 3)	1140	338
				55	1090	
	2040/1300	2287	B	55	1190 2)	338
				70	1160	
	2090/1300	2337	B	30 3)	1240 2)	340
				55	1190	

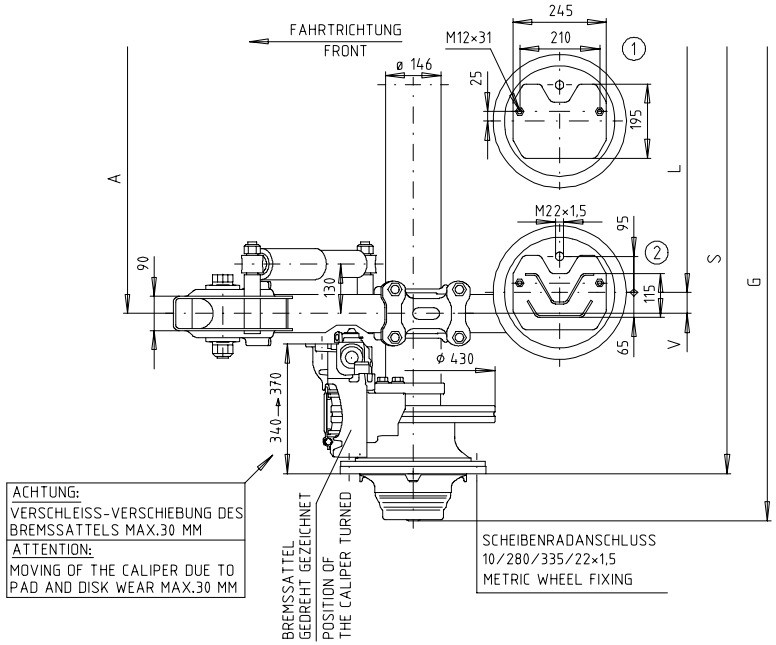
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/65 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N31-SKRS11222

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2918 V





Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 N27	365	345-395	355-395	385-395	285	270	250	298	5 ①	199
M38/2504 N27	385	365-415	375-415	405-415	305	290	250	298	40 ②	200
M40/2904 N27	400	380-430	390-430	420-430	320	305	290	313	40 ②	203
M42/2907 N27	420	400-450	410-450	440-450	340	325	290	313	70 ②	204
M43/2910 N27	435	415-465	425-465	455-465	355	340	290	313	100 ②	205
M46/3510 N27	465	445-495	455-495	485-495	385	370	355	337	100 ②	210

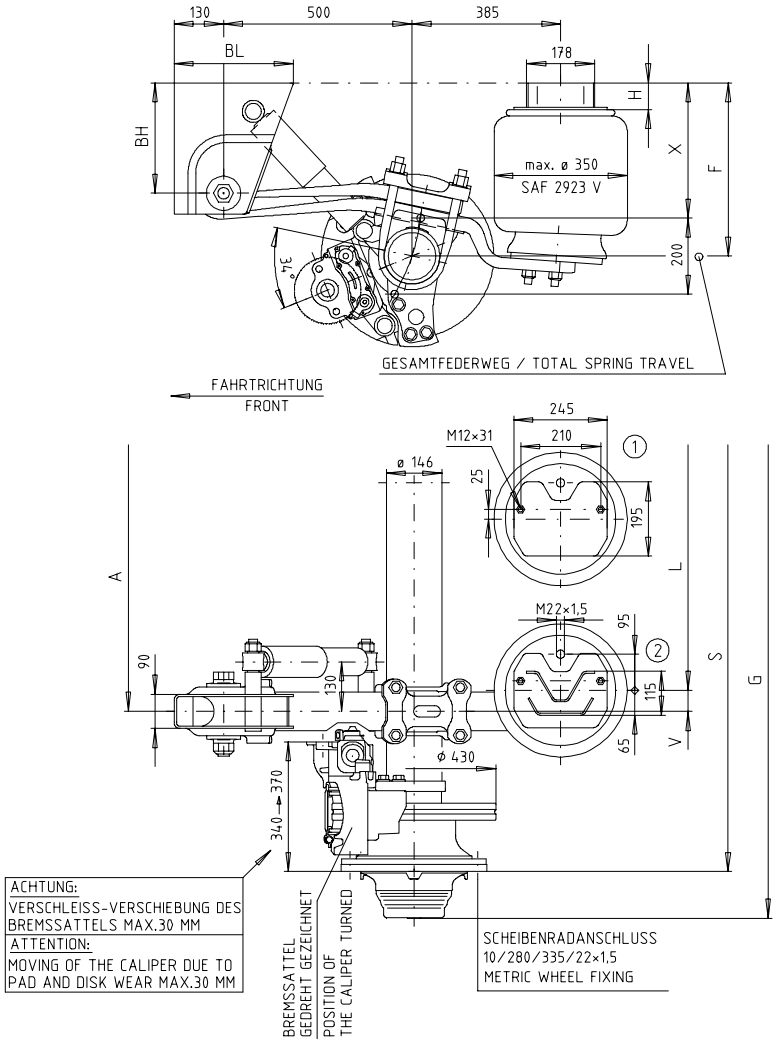
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RS 11222 **10000 kg** **SB 2243-11S** **425/65 R 22.5**	1970/1100	2217	0 3)	1100 2)	335
			30 3)	1040	
			55	990	
	1970/1200	2217	55	1090	335
			70	1060	
	2040/1200	2287	30 3)	1140	338
			55	1090	
	2040/1300	2287	55	1190 2)	338
			70	1160	
	2090/1300	2337	30 3)	1240 2)	340
			55	1190	

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/65 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N27-SKRS11222

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V



Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 N31	400	370-440	380-440	410-440	310	295	250	298	5 ①	201
M42/2504 N31	420	390-460	400-460	430-460	330	315	250	298	40 ②	202
M43/2904 N31	435	405-475	415-475	445-475	345	330	290	313	40 ②	205
M45/2907 N31	455	425-495	435-495	465-495	365	350	290	313	70 ②	206
M47/2910 N31	470	440-510	450-510	480-510	380	365	290	313	100 ②	207
M50/3510 N31	500	470-540	480-540	510-540	410	395	355	337	100 ②	212

Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RS 11222 **10000 kg** **SB 2243-11S** **425/65 R 22.5**	1970/1100	2217	0 3)	1100 2)	335
			30 3)	1040	
			55	990	
	1970/1200	2217	55	1090	335
			70	1060	
	2040/1200	2287	30 3)	1140	338
			55	1090	
	2040/1300	2287	55	1190 2)	338
			70	1160	
	2090/1300	2337	30 3)	1240 2)	340
			55	1190	

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/65 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N31-SKRS11222

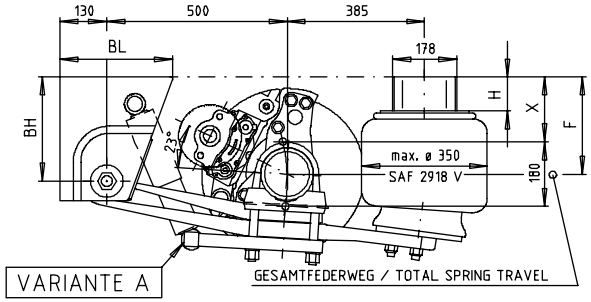
Air Suspension Series with Axle Type

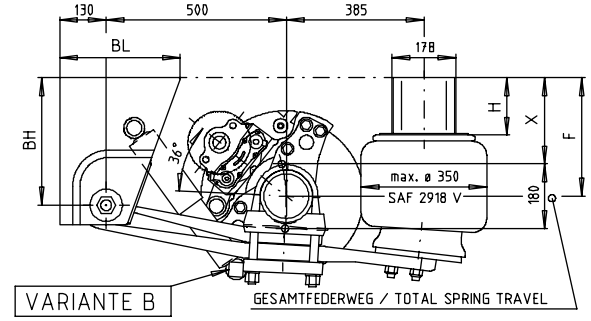
SK RZ 11222

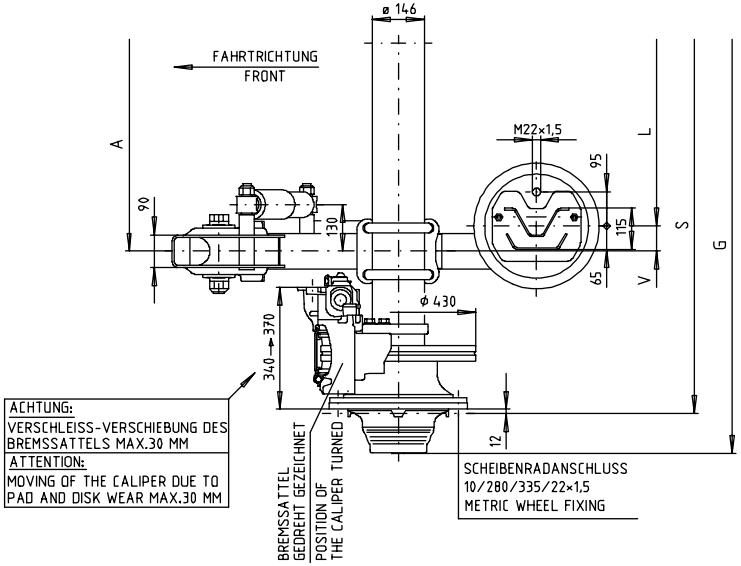
11360MS Edition 11 / 2003

CONTENTS

Nominal ride height 270 + 330 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2918 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
A	U27/2910 S27	270	245-295	255-295	285-295	185	175	290	313	100	221
B	U33/3516 S27	330	305-355	315-355	345-355	245	235	355	337	160	225

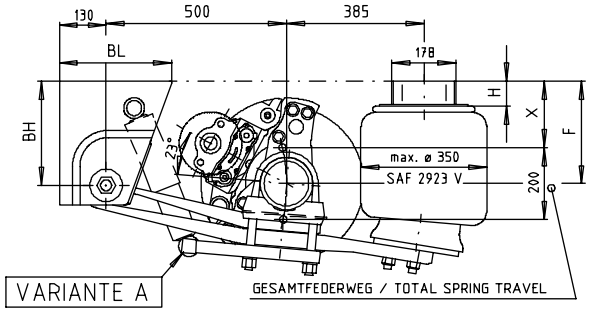
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11222 10000 kg SB 2243-13Z 11 R 22.5	1844/900	2067	30 3)	840 2)	333
			55	790	
			70	760	
	1844/980	2067	70	840 2)	333
	1884/980	2107	55	870 2)	335
			70	840	

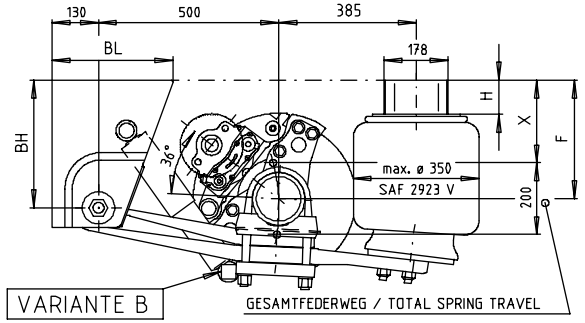
Lenghts in mm, weights in kg

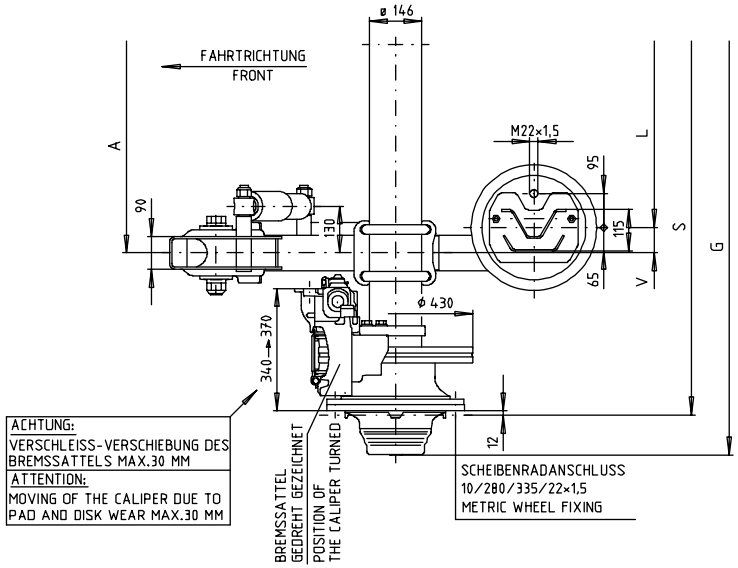
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-S27-SKRZ11222

Nominal ride height 270 - 365 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2923 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL length	H air suspension bracket	Weight approx.
A	U27/2904 S31	270	240-310	250-310	280-310	180	170	290	313	40	221
A	U28/2907 S31	285	255-325	265-325	295-325	195	185	290	313	70	222
A	U30/2910 S31	300	270-340	280-340	310-340	210	200	290	313	100	223
B	U33/3510 S31	330	300-370	310-370	340-370	240	230	355	337	100	225
B	U35/3513 S31	350	320-390	330-390	360-390	260	250	355	337	130	226
B	U36/3516 S31	365	335-405	345-405	375-405	275	265	355	337	160	227

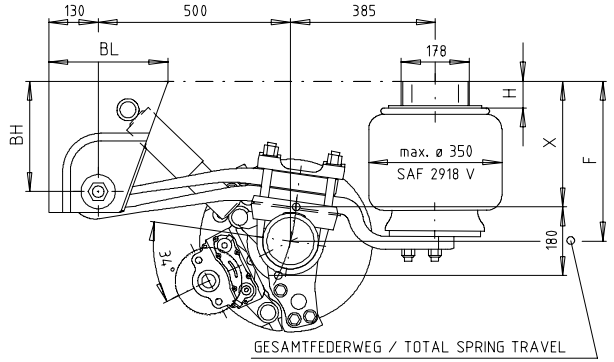
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11222	1844/900	2067	30 3)	840 2)	333
10000 kg			55	790	
SB 2243-13Z			70	760	
11 R 22.5	1844/980	2067	70	840 2)	333
	1884/980	2107	55	870 2)	335
			70	840	

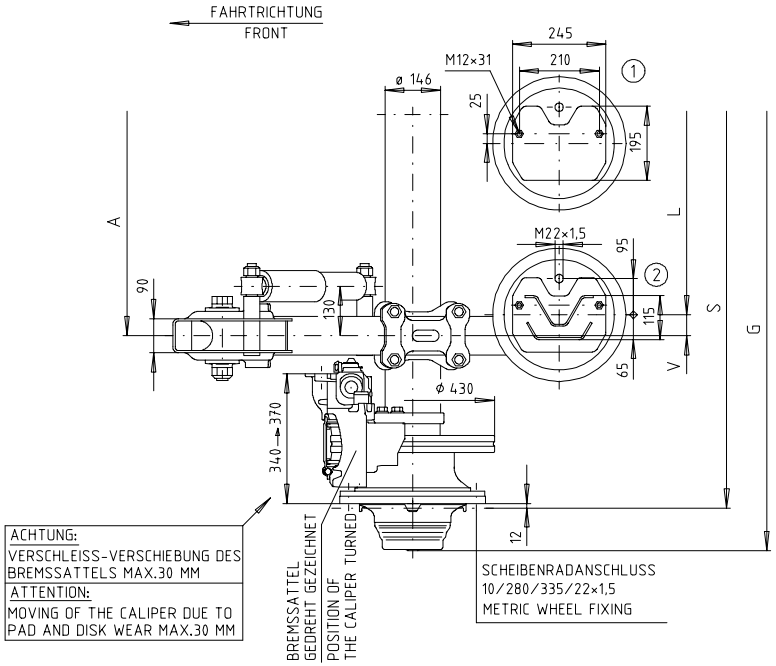
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-S31-SKRZ11222

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2918 V





Air suspension type	F	Ride height range 3)			X overall height 3)		BH	BL	H	Weight approx.
	Nominal ride height	for single axles	for axle assemblies	for axle assemblies with lift	unladen without air	laden without air	hanger bracket height	hanger bracket length	air suspension bracket	
M36/2500 S27	365	345-395	355-395	385-395	285	275	250	298	5 ①	209
M38/2504 S27	385	365-415	375-415	405-415	305	295	250	298	40 ②	210
M40/2904 S27	400	380-430	390-430	420-430	320	310	290	313	40 ②	213
M42/2907 S27	420	400-450	410-450	440-450	340	330	290	313	70 ②	214
M43/2910 S27	435	415-465	425-465	455-465	355	345	290	313	100 ②	215
M46/3510 S27	465	445-495	455-495	485-495	385	375	355	337	100 ②	220

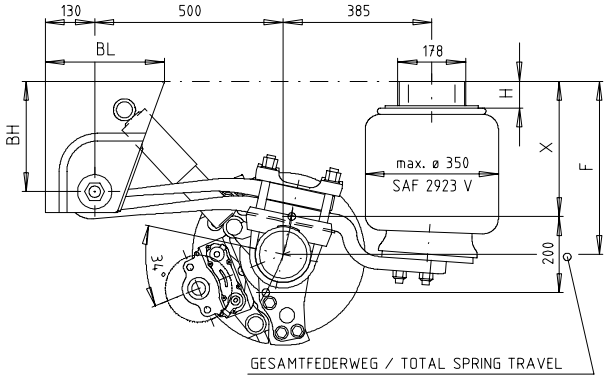
Axle type / axle load / brakes Tyres (example)	S / A Track width / Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11222	1844/900	2067	30 3)	840 2)	333
10000 kg			55	790	
SB 2243-13Z			70	760	
11 R 22.5	1844/980	2067	70	840 2)	333
	1884/980	2107	55	870 2)	335
			70	840	

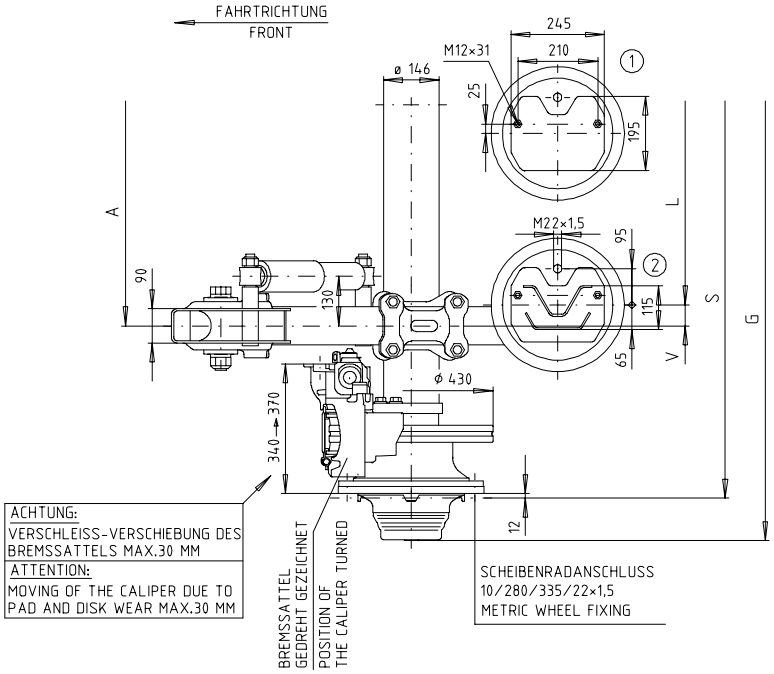
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-S27-SKRZ11222

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 S31	400	370-440	380-440	410-440	310	300	250	298	5 ①	211
M42/2504 S31	420	390-460	400-460	430-460	330	320	250	298	40 ②	212
M43/2904 S31	435	405-475	415-475	445-475	345	335	290	313	40 ②	215
M45/2907 S31	455	425-495	435-495	465-495	365	355	290	313	70 ②	216
M47/2910 S31	470	440-510	450-510	480-510	380	370	290	313	100 ②	217
M50/3510 S31	500	470-540	480-540	510-540	410	400	355	337	100 ②	222

Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11222	1844/900	2067	30 3)	840 2)	333
10000 kg			55	790	
SB 2243-13Z			70	760	
11 R 22.5	1844/980	2067	70	840 2)	333
	1884/980	2107	55	870 2)	335
			70	840	

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 11 R 22.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-S31-SKRZ11222

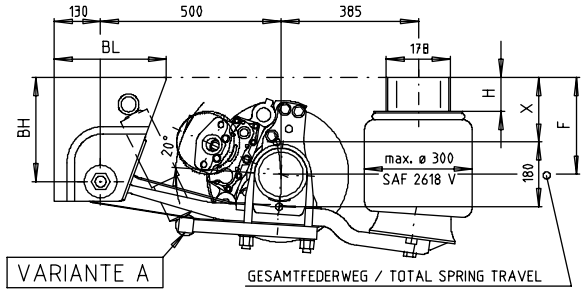
Air Suspension Series with Axle Type

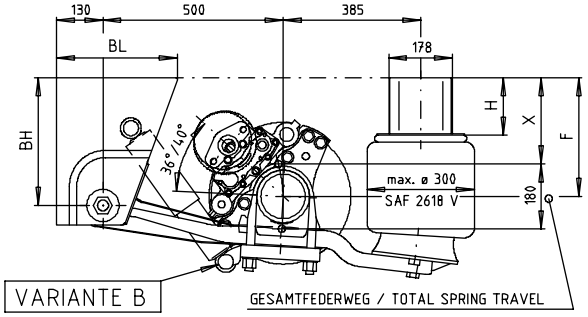
SK RS 9019

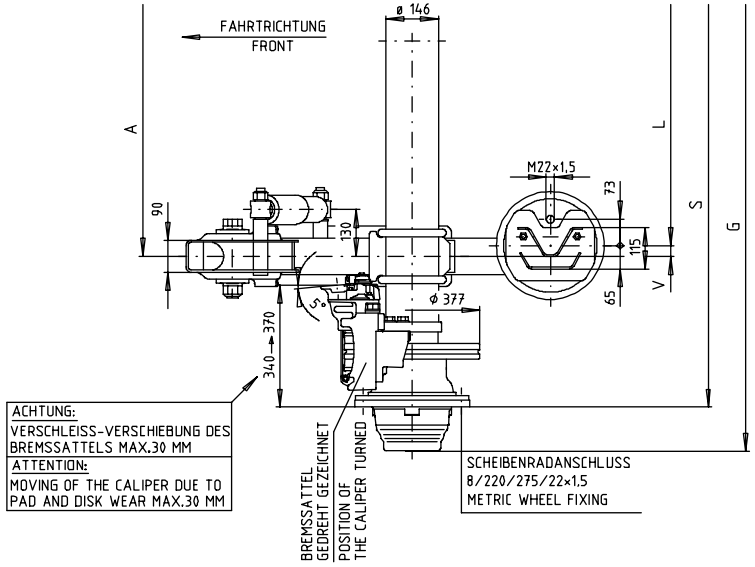
11360MS Edition 11 / 2003

CONTENTS

Nominal ride height 255 - 330 mm – Mono leaf trailing arm – Air bag SAF 2618 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
A	U25/2907 E29	255	225-275	235-275	265-275	165	145	290	313	70	182
A	U27/2910 E29	270	240-290	250-290	280-290	180	160	290	313	100	183
B (36°)	U31/3513 E29	315	285-335	295-335	325-335	225	205	355	337	130	186
B (40°)	U33/3516 E29	330	300-350	310-350	340-350	240	220	355	337	160	187

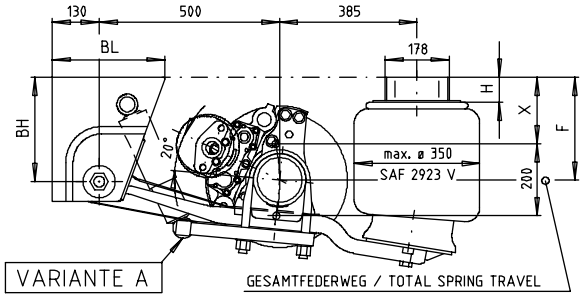
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	Version	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9019 9000 kg SB 1937-11S 425/55 R 19.5	1970/1100	2217	A + B	0	1100	278
				30	1040	
				55 3)	990	
	1970/1200	2217	B	30	1140	278
				55 3)	1090	
	2040/1200	2287	A + B	0	1200	281
				30	1140	
				55 3)	1090	
	2040/1300	2287	B not by 36°	30	1240 2)	281
				55 3)	1190	
	2090/1300	2337	B	30	1240	283
				55 3)	1190	

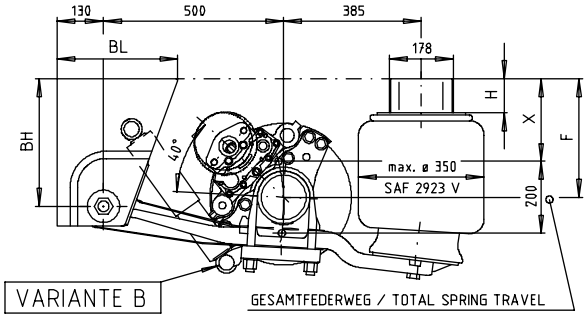
Lenghts in mm, weights in kg

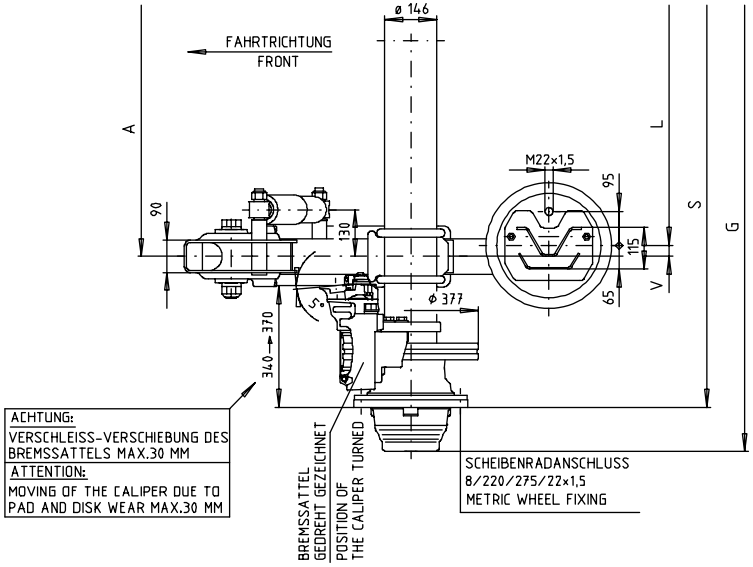
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/55 R 19.5 (minimum distance between tyre and air bag!)
3) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-E29-SKRS9019

Nominal ride height 270 - 365 mm – Mono leaf trailing arm – Air bag SAF 2923 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL bracket length	H air suspension bracket	Weight approx.
A	U27/2904 E31	270	235-305	245-305	275-305	175	155	290	313	40	196
A	U28/2907 E31	285	250-320	260-320	290-320	190	170	290	313	70	197
A	U30/2910 E31	300	265-335	275-335	305-335	205	185	290	313	100	198
B	U33/3510 E31	330	295-365	305-365	335-365	235	215	355	337	100	200
B	U35/3513 E31	350	315-385	325-385	355-385	255	235	355	337	130	201
B	U36/3516 E31	365	330-400	340-400	370-400	270	250	355	337	160	202

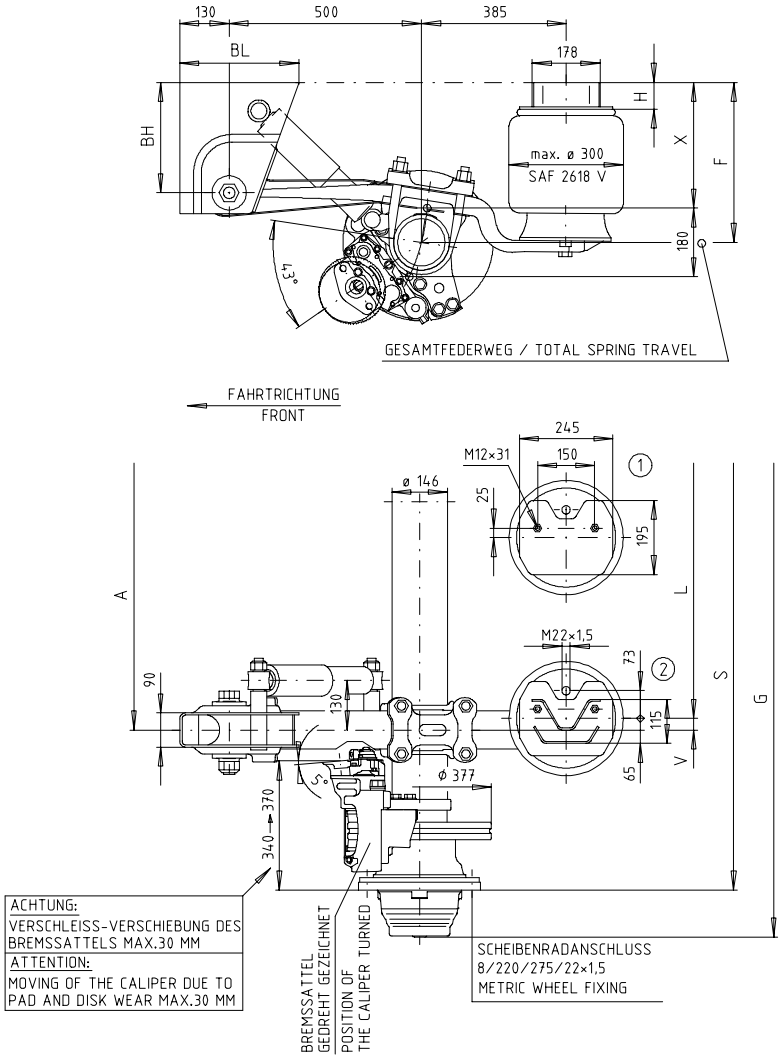
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	Version	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9019 9000 kg SB 1937-11S 425/55 R 19.5	1970/1100	2217	A + B	0 3)	1100 2)	278
				30 3)	1040	
				55	990	
	1970/1200	2217	B	55	1090	278
				70	1060	
	2040/1200	2287	A + B	30 3)	1140	281
				55	1090	
	2040/1300	2287	B	55	1190 2)	281
				70	1160	
	2090/1300	2337	B	30 3)	1240 2)	283
				55	1190	

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/55 R 19.5 (minimum distance between tyre and air bag!)
3) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-E31-SKRS9019

Nominal ride height 365 - 465 mm – Mono leaf trailing arm – Air bag SAF 2618 V



Air suspension type	F	Ride height range 3)			X overall height 3)		BH	BL	H	Weight approx.
	Nominal ride height	for single axles	for axle assemblies	for axle assemblies with lift	unladen without air	laden without air	hanger bracket height	hanger bracket length	air suspension bracket	
M36/2500 E29	365	335-385	345-385	375-385	275	255	250	298	5 ①	167
M38/2504 E29	385	355-405	365-405	395-405	295	275	250	298	40 ②	168
M40/2904 E29	400	370-420	380-420	410-420	310	290	290	313	40 ②	171
M42/2907 E29	420	390-440	400-440	430-440	330	310	290	313	70 ②	172
M43/2910 E29	435	405-455	415-455	445-455	345	325	290	313	100 ②	173
M46/3510 E29	465	435-485	445-485	475-485	375	355	355	337	100 ②	178

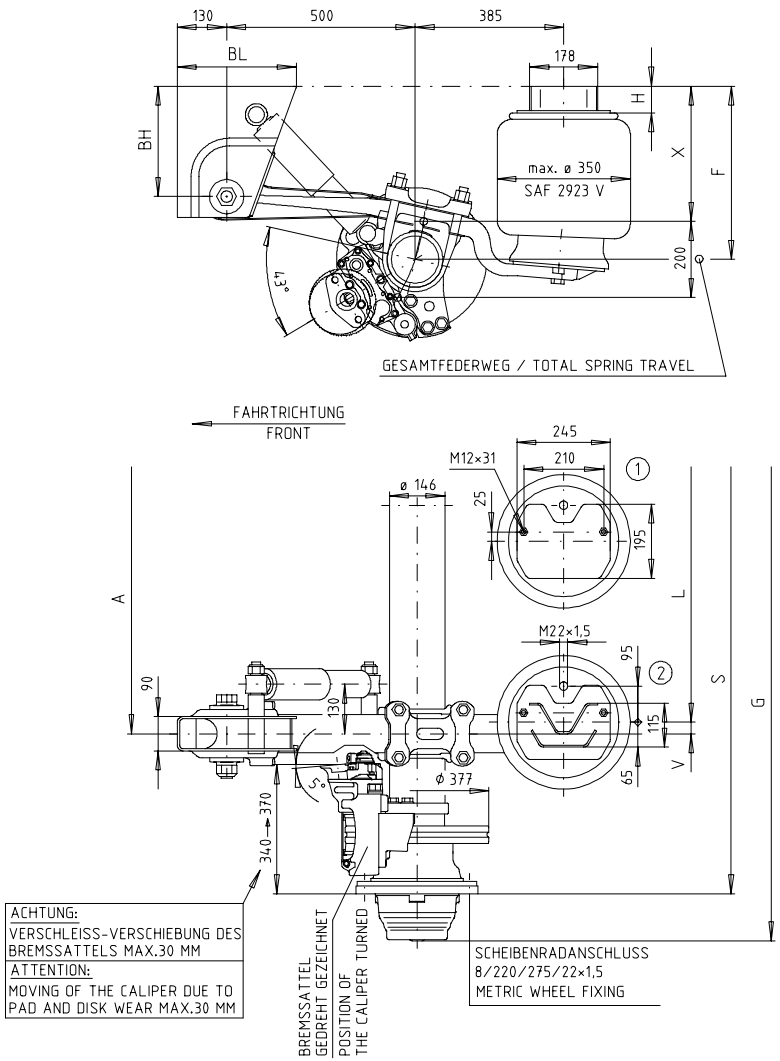
Axle type / axle load / brakes Tyres (example)	S / A Track width / Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9019 9000 kg SB 1937-11S 425/55 R 19.5	1970/1100	2217	0	1100	278
			30	1040	
			55 3)	990	
	1970/1200	2217	30	1140	278
			55 3)	1090	
	2040/1200	2287	0	1200	281
			30	1140	
			55 3)	1090	
	2040/1300	2287	30	1240 2)	281
			55 3)	1190	
	2090/1300	2337	30	1240	283
			55 3)	1190	

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/55 R 19.5 (minimum distance between tyre and air bag!)
3) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-E29-SKRS9019

Nominal ride height 400 - 500 mm – Mono leaf trailing arm – Air bag SAF 2923 V



Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 E31	400	365-435	375-435	405-435	305	285	250	298	5 ①	182
M42/2504 E31	420	385-455	395-455	425-455	325	305	250	298	40 ②	183
M43/2904 E31	435	400-470	410-470	440-470	340	320	290	313	40 ②	186
M45/2907 E31	455	420-490	430-490	460-490	360	340	290	313	70 ②	187
M47/2910 E31	470	435-505	445-505	475-505	375	355	290	313	100 ②	188
M50/3510 E31	500	465-535	475-535	505-535	405	385	355	337	100 ②	193

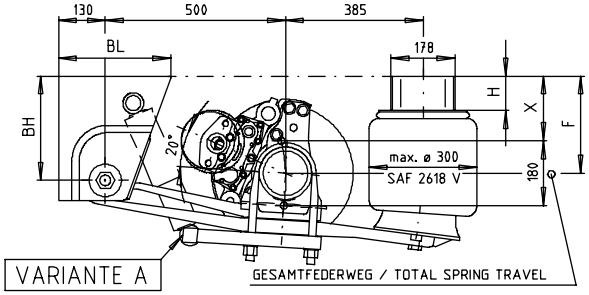
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9019 9000 kg SB 1937-11S 425/55 R 19.5	1970/1100	2217	0 3)	1100 2)	278
			30 3)	1040	
			55	990	
	1970/1200	2217	55	1090	278
			70	1060	
	2040/1200	2287	30 3)	1140	281
			55	1090	
	2040/1300	2287	55	1190 2)	281
			70	1160	
	2090/1300	2337	30 3)	1240 2)	283
			55	1190	

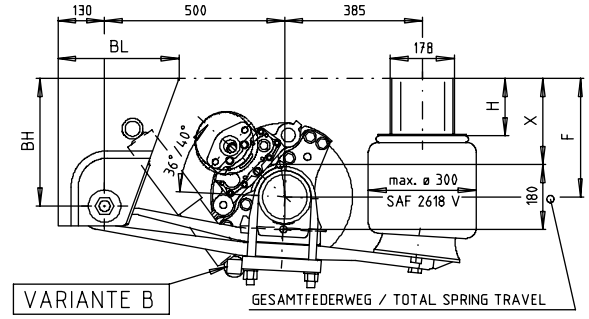
Lenghts in mm, weights in kg

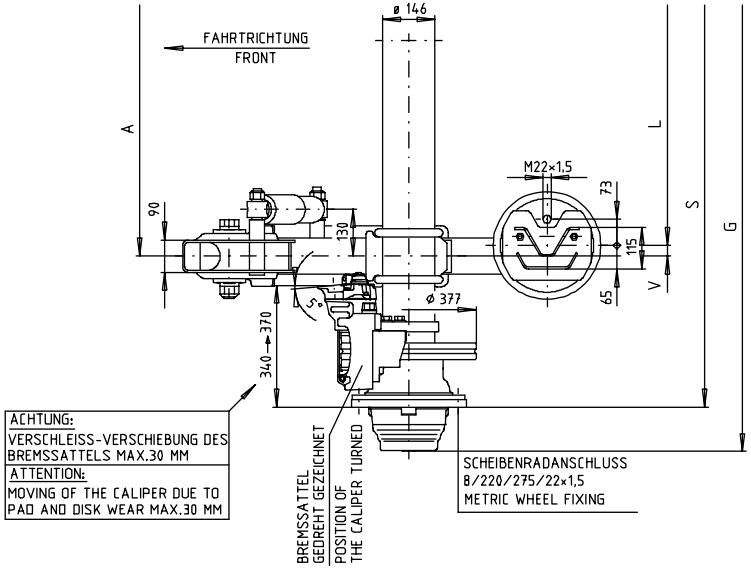
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/55 R 19.5 (minimum distance between tyre and air bag!)
3) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-E31-SKRS9019

Nominal ride height 255 - 330 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL bracket length	H air suspension bracket	Weight approx.
A	U25/2907 N29	255	225-275	235-275	265-275	165	150	290	313	70	197
A	U27/2910 N29	270	240-290	250-290	280-290	180	165	290	313	100	198
B (36º)	U30/3510 N29	300	270-320	280-320	310-320	210	195	355	337	100	200
B (36º)	U31/3513 N29	315	285-335	295-335	325-335	225	210	355	337	130	201
B (40º)	U33/3516 N29	330	300-350	310-350	340-350	240	225	355	337	160	202

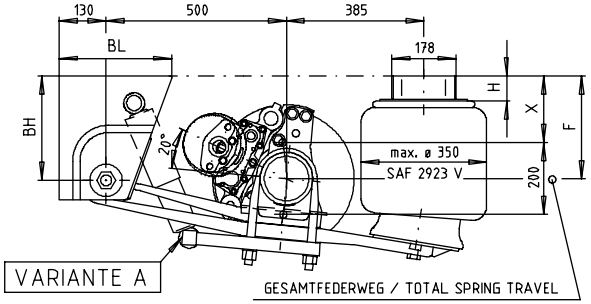
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	Version	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9019 9000 kg SB 1937-11S 425/55 R 19.5	1970/1100	2217	A + B	0	1100	278
				30	1040	
				55 3)	990	
	1970/1200	2217	B	30	1140	278
				55 3)	1090	
	2040/1200	2287	A + B	0	1200	281
				30	1140	
				55 3)	1090	
	2040/1300	2287	B not by 36º	30	1240 2)	281
				55 3)	1190	
	2090/1300	2337	B	30	1240	283
				55 3)	1190	

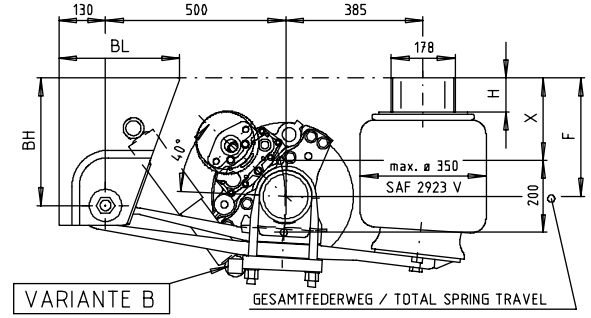
Lenghts in mm, weights in kg

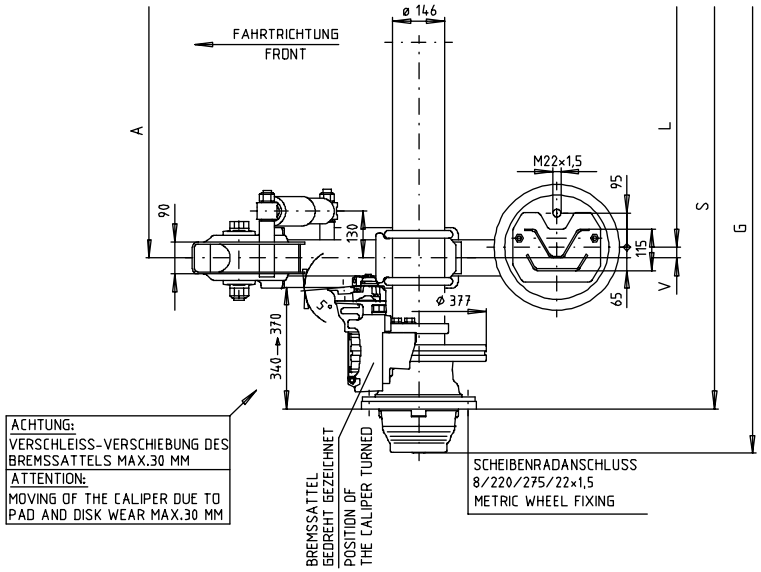
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/55 R 19.5 (minimum distance between tyre and air bag!)
3) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N29-SKRS9019

Nominal ride height 270 - 365 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
A	U27/2904 N31	270	240-310	250-310	280-310	180	165	290	313	40	211
A	U28/2907 N31	285	255-325	265-325	295-325	195	180	290	313	70	212
A	U30/2910 N31	300	270-340	280-340	310-340	210	195	290	313	100	213
B	U33/3510 N31	330	300-370	310-370	340-370	240	225	355	337	100	215
B	U35/3513 N31	350	320-390	330-390	360-390	260	245	355	337	130	216
B	U36/3516 N31	365	335-405	345-405	375-405	275	260	355	337	160	217

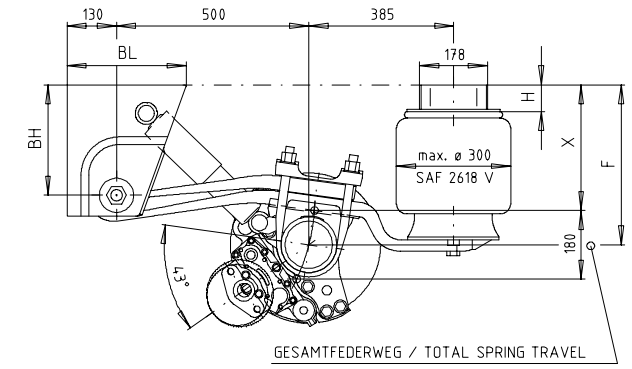
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	Version	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9019 9000 kg SB 1937-11S 425/55 R 19.5	1970/1100	2217	A + B	0 3)	1100 2)	278
				30 3)	1040	
				55	990	
	1970/1200	2217	B	55	1090	278
				70	1060	
	2040/1200	2287	A + B	30 3)	1140	281
				55	1090	
	2040/1300	2287	B	55	1190 2)	281
				70	1160	
	2090/1300	2337	B	30 3)	1240 2)	283
				55	1190	

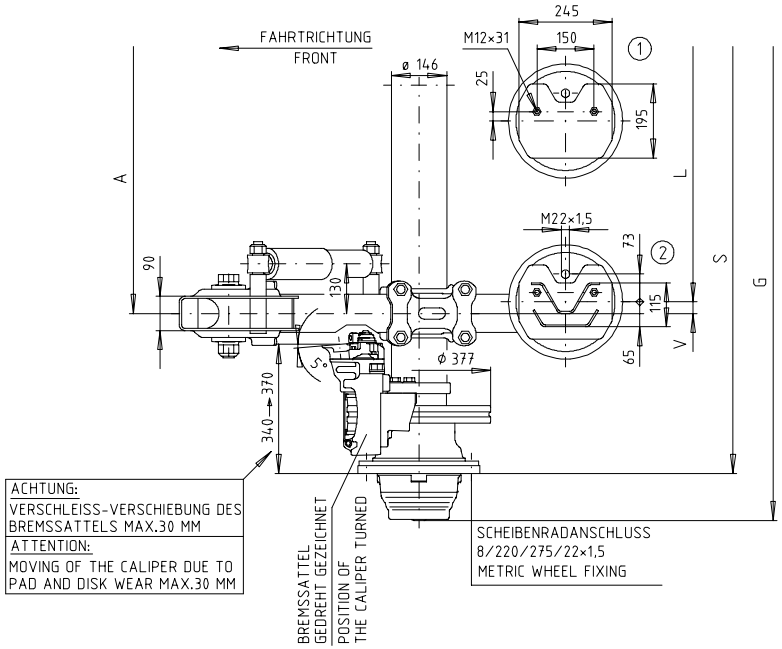
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/55 R 19.5 (minimum distance between tyre and air bag!)
3) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N31-SKRS9019

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V





Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 N29	365	340-390	350-390	380-390	280	265	250	298	5 ①	186
M38/2504 N29	385	360-410	370-410	400-410	300	285	250	298	40 ②	187
M40/2904 N29	400	375-425	385-425	415-425	315	300	290	313	40 ②	190
M42/2907 N29	420	395-445	405-445	435-445	335	320	290	313	70 ②	191
M43/2910 N29	435	410-460	420-460	450-460	350	335	290	313	100 ②	192
M46/3510 N29	465	440-490	450-490	480-490	380	365	355	337	100 ②	197

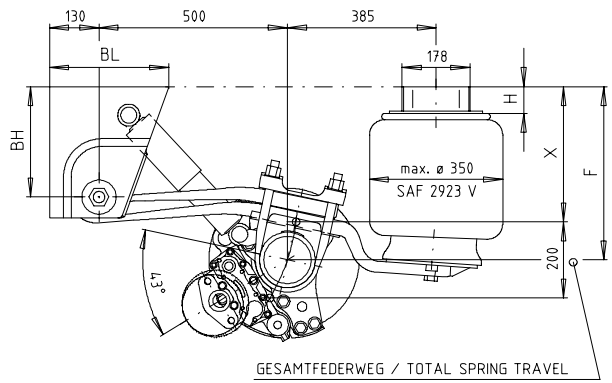
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9019 9000 kg SB 1937-11S 425/55 R 19.5	1970/1100	2217	0	1100	278
			30	1040	
			55 3)	990	
	1970/1200	2217	30	1140	278
			55 3)	1090	
	2040/1200	2287	0	1200	281
			30	1140	
			55 3)	1090	
	2040/1300	2287	30	1240 2)	281
			55 3)	1190	
	2090/1300	2337	30	1240	283
			55 3)	1190	

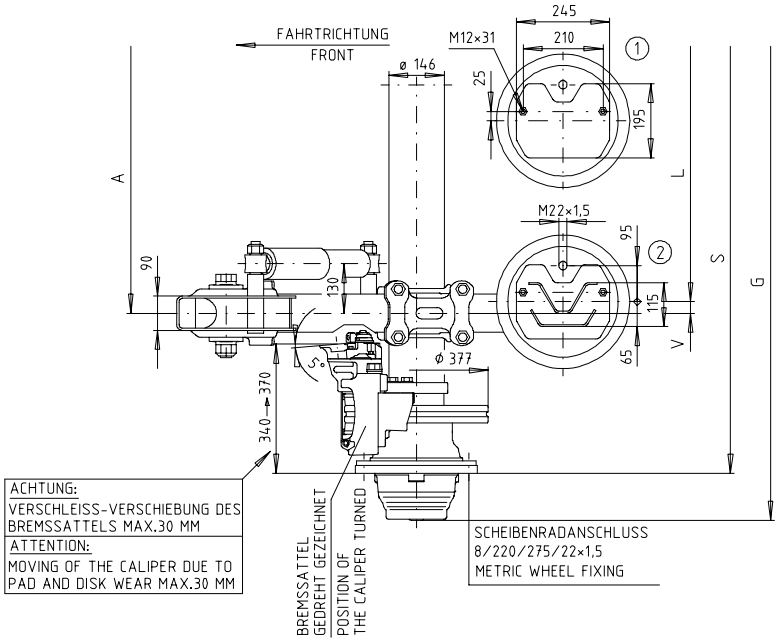
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/55 R 19.5 (minimum distance between tyre and air bag!
3) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N29-SKRS9019

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 N31	400	370-440	380-440	410-440	310	295	250	298	5 ①	201
M42/2504 N31	420	390-460	400-460	430-460	330	315	250	298	40 ②	202
M43/2904 N31	435	405-475	415-475	445-475	345	330	290	313	40 ②	205
M45/2907 N31	455	425-495	435-495	465-495	365	350	290	313	70 ②	206
M47/2910 N31	470	440-510	450-510	480-510	380	365	290	313	100 ②	207
M50/3510 N31	500	470-540	480-540	510-540	410	395	355	337	100 ②	212

Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RS 9019 9000 kg SB 1937-11S 425/55 R 19.5	1970/1100	2217	0 3)	1100 2)	278
			30 3)	1040	
			55	990	
	1970/1200	2217	55	1090	278
			70	1060	
	2040/1200	2287	30 3)	1140	281
			55	1090	
	2040/1300	2287	55	1190 2)	281
			70	1160	
	2090/1300	2337	30 3)	1240 2)	283
			55	1190	

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 425/55 R 19.5 (minimum distance between tyre and air bag!)
3) = At V=0 and V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N31-SKRS9019

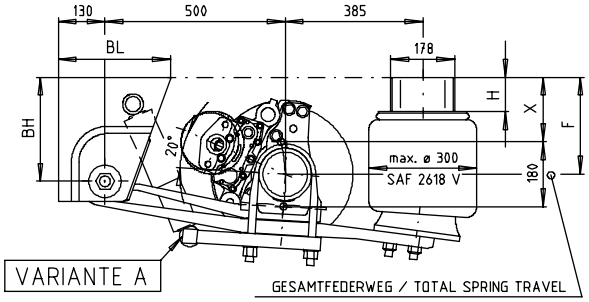
Air Suspension Series with Axle Type

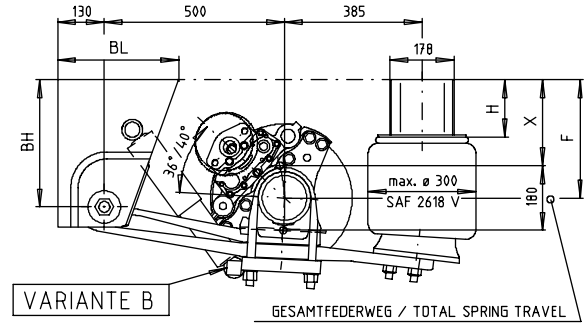
SK RZ 9019

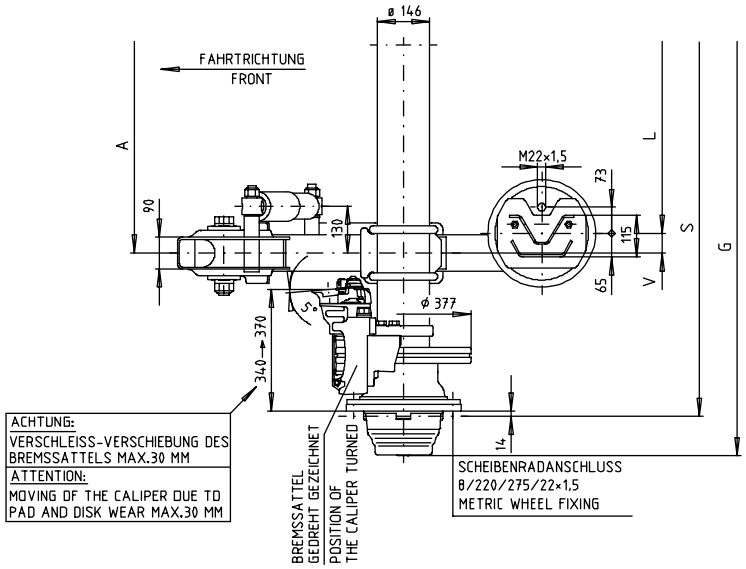
11360MS Edition 11 / 2003

CONTENTS

Nominal ride height 255 - 330 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
A	U25/2907 N29	255	230-280	240-280	270-280	170	155	290	313	70	197
A	U27/2910 N29	270	245-295	255-295	285-295	185	170	290	313	100	198
B	U30/3510 N29	300	275-325	285-325	315-325	215	200	355	337	100	200
B	U31/3513 N29	315	290-340	300-340	330-340	230	215	355	337	130	201
B	U33/3516 N29	330	305-355	315-355	345-355	245	230	355	337	160	202

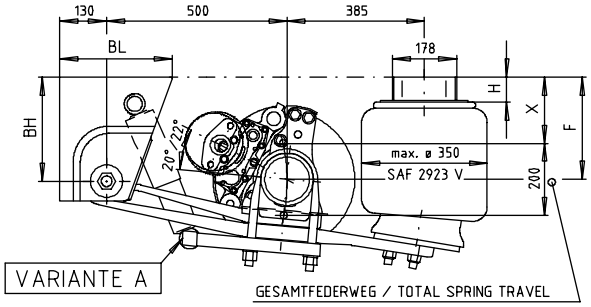
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9019 9000 kg SB 1937-13Z 265/70 R 19.5	1834/900	2053	30 3)	840	291
			55	790	
	1834/980	2053	55	870 2)	291
			70	840	
	1888/900	2107	30 3)	840	293
			55	790	
	1888/980	2107	30 3)	920	293
			55	870	
	1954/1050	2173	30 3)	990 2)	296
			55	940	
	1954/1100	2173	55	990 2)	296
			70	960	

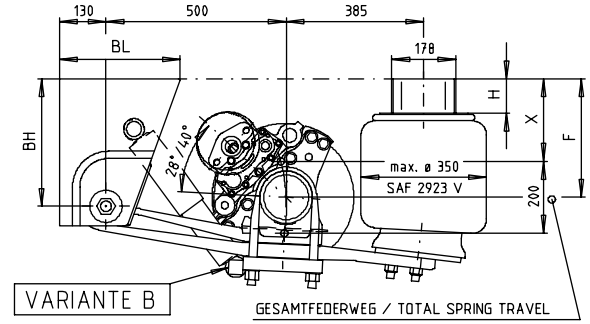
Lenghts in mm, weights in kg

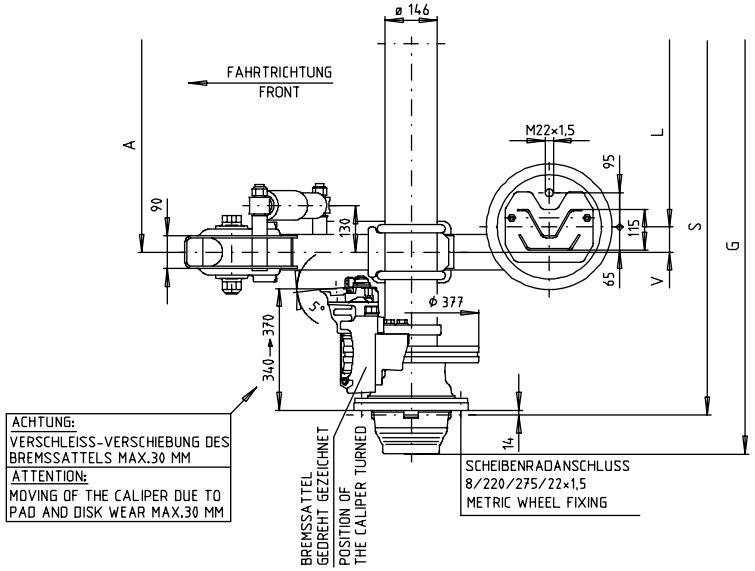
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 265/70 R 19.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N29-SKRZ9019

Nominal ride height 270 - 365 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
A	U27/2904 N31	270	240-310	250-310	280-310	180	165	290	313	40	211
A	U28/2907 N31	285	255-325	265-325	295-325	195	180	290	313	70	212
B	U30/2910 N31	300	270-340	280-340	310-340	210	195	290	313	100	213
B	U33/3510 N31	330	300-370	310-370	340-370	240	225	355	337	100	215
B	U35/3513 N31	350	320-390	330-390	360-390	260	245	355	337	130	216
B	U36/3516 N31	365	335-405	345-405	375-405	275	260	355	337	160	217

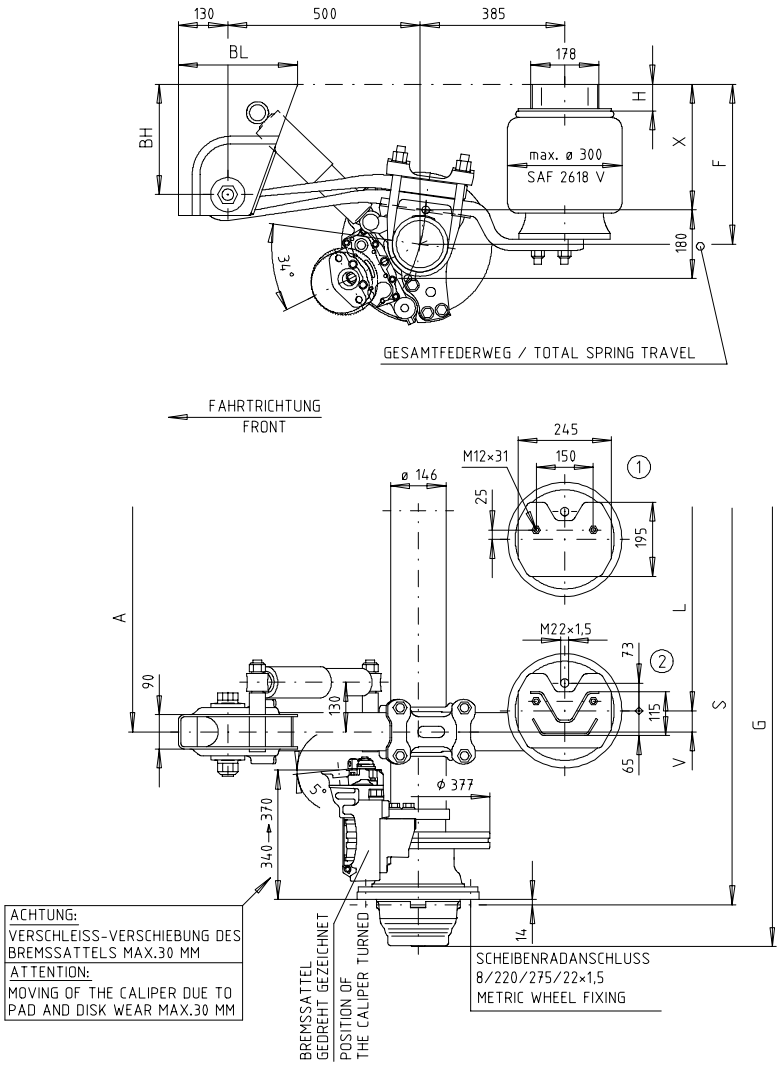
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9019 9000 kg SB 1937-13Z 265/70 R 19.5	1834/900	2053	30 3)	840 2)	291
			55	790	
	1834/980	2053	70	840 2)	291
	1888/900	2107	30 3)	840	293
			55	790	
	1888/980	2107	55	870	293
			70	840	
	1954/1050	2173	55	940 2)	296
			70	910	
	1954/1100	2173	70	960 2)	296

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 265/70 R 19.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N31-SKRZ9019

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V



Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 N29	365	345-395	355-395	385-395	285	270	250	298	5 ①	186
M38/2504 N29	385	365-415	375-415	405-415	305	290	250	298	40 ②	187
M40/2904 N29	400	380-430	390-430	420-430	320	305	290	313	40 ②	190
M42/2907 N29	420	400-450	410-450	440-450	340	325	290	313	70 ②	191
M43/2910 N29	435	415-465	425-465	455-465	355	340	290	313	100 ②	192
M46/3510 N29	465	445-495	455-495	485-495	385	370	355	337	100 ②	197

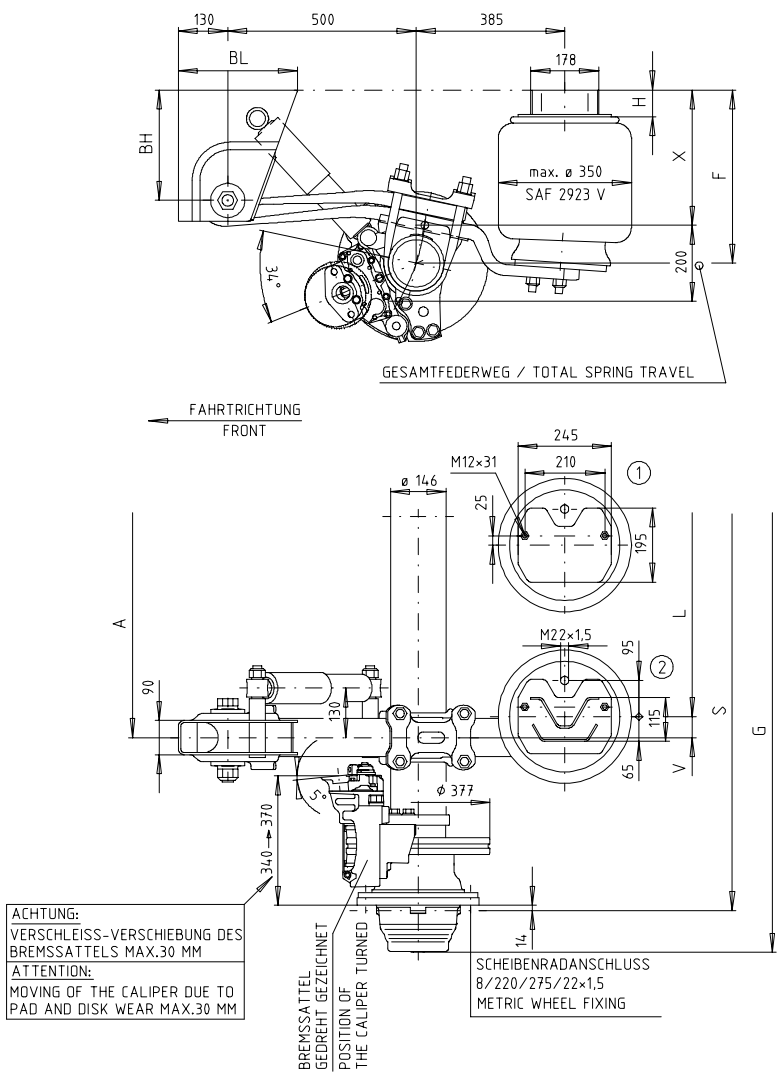
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9019 9000 kg SB 1937-13Z 265/70 R 19.5	1834/900	2053	30 3)	840	291
			55	790	
	1834/980	2053	55	870 2)	291
			70	840	
	1888/900	2107	30 3)	840	293
			55	790	
	1888/980	2107	30 3)	920	293
			55	870	
	1954/1050	2173	30 3)	990 2)	296
			55	940	
	1954/1100	2173	55	990 2)	296
			70	960	

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 265/70 R 19.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N29-SKRZ9019

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V



Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 N31	400	370-440	380-440	410-440	310	295	250	298	5 ①	201
M42/2504 N31	420	390-460	400-460	430-460	330	315	250	298	40 ②	202
M43/2904 N31	435	405-475	415-475	445-475	345	330	290	313	40 ②	205
M45/2907 N31	455	425-495	435-495	465-495	365	350	290	313	70 ②	206
M47/2910 N31	470	440-510	450-510	480-510	380	365	290	313	100 ②	207
M50/3510 N31	500	470-540	480-540	510-540	410	395	355	337	100 ②	212

Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 9019 9000 kg SB 1937-13Z 265/70 R 19.5	1834/900	2053	30 3)	840 2)	291
			55	790	
	1834/980	2053	70	840 2)	291
	1888/900	2107	30 3)	840	293
			55	790	
	1888/980	2107	55	870	293
			70	840	
	1954/1050	2173	55	940 2)	296
			70	910	
	1954/1100	2173	70	960 2)	296

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 265/70 R 19.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N31-SKRZ9019

Air Suspension Series with Axle Type

SK RZ 11019

11360MS Edition 11 / 2003

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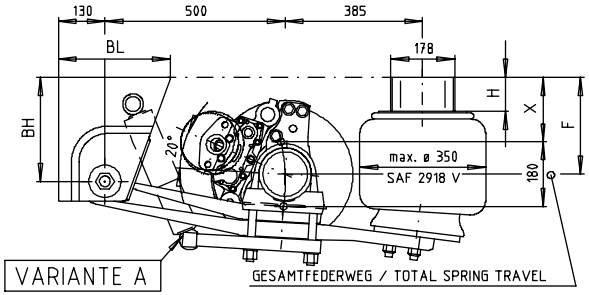
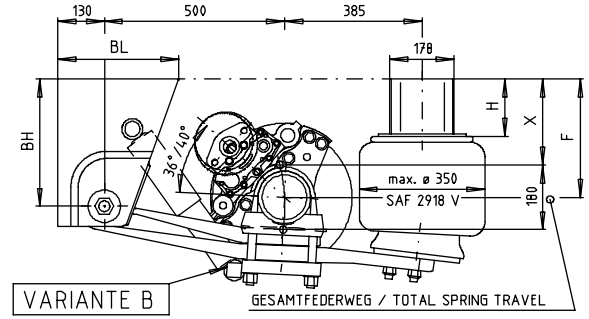
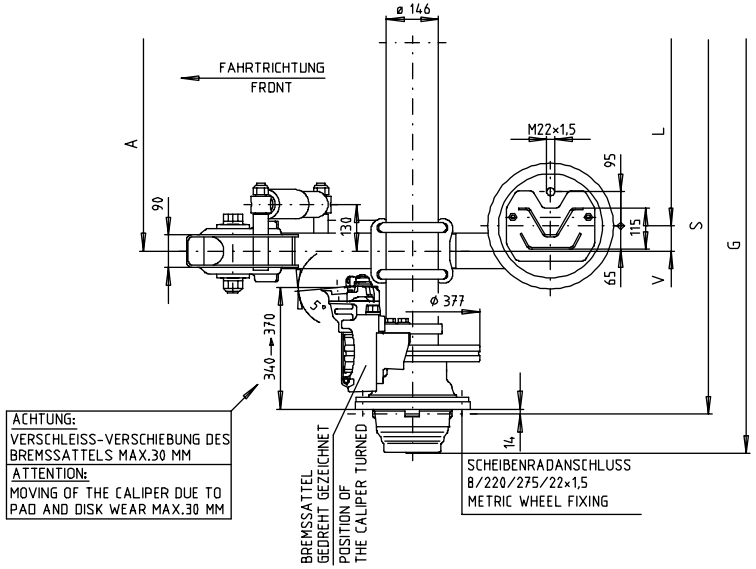
Nominal ride height 255 - 330 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2918 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
A	U25/2907 S27	255	230-280	240-280	270-280	170	160	290	313	70	220
A	U27/2910 S27	270	245-295	255-295	285-295	185	175	290	313	100	221
B	U30/3510 S27	300	275-325	285-325	315-325	215	205	355	337	100	223
B	U31/3513 S27	315	290-340	300-340	330-340	230	220	355	337	130	224
B	U33/3516 S27	330	305-355	315-355	345-355	245	235	355	337	160	225

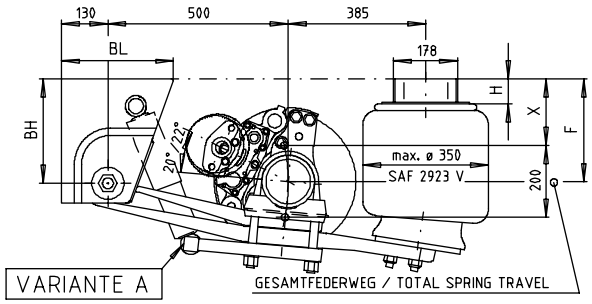
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11019 10000 kg SB 1937-13Z 265/70 R 19.5	1834/900	2053	30 3) 55	840 2) 790	291
	1834/980	2053	70	840 2)	291
	1888/900	2107	30 3) 55	840 790	293
	1888/980	2107	55 70	870 840	293
	1954/1050	2173	55 70	940 2) 910	296
	1954/1100	2173	70	960 2)	296

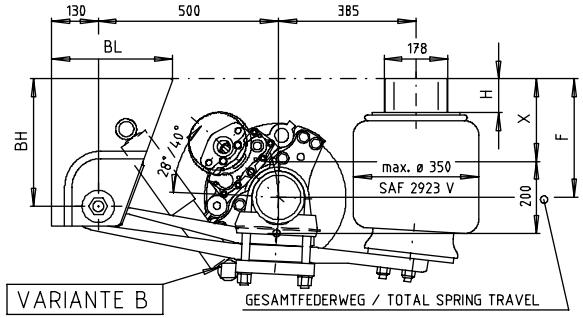
Lenghts in mm, weights in kg

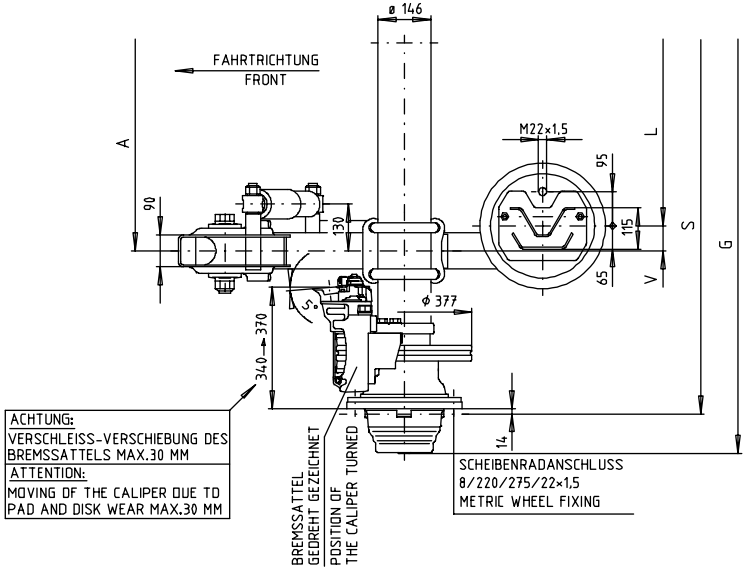
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 265/70 R 19.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-S27-SKRZ11019

Nominal ride height 270 - 365 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2923 V







Version	Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
A	U27/2904 S31	270	240-310	250-310	280-310	180	170	290	313	40	221
A	U28/2907 S31	285	255-325	265-325	295-325	195	185	290	313	70	222
B	U30/2910 S31	300	270-340	280-340	310-340	210	200	290	313	100	223
B	U33/3510 S31	330	300-370	310-370	340-370	240	230	355	337	100	225
B	U35/3513 S31	350	320-390	330-390	360-390	260	250	355	337	130	226
B	U36/3516 S31	365	335-405	345-405	375-405	275	265	355	337	160	227

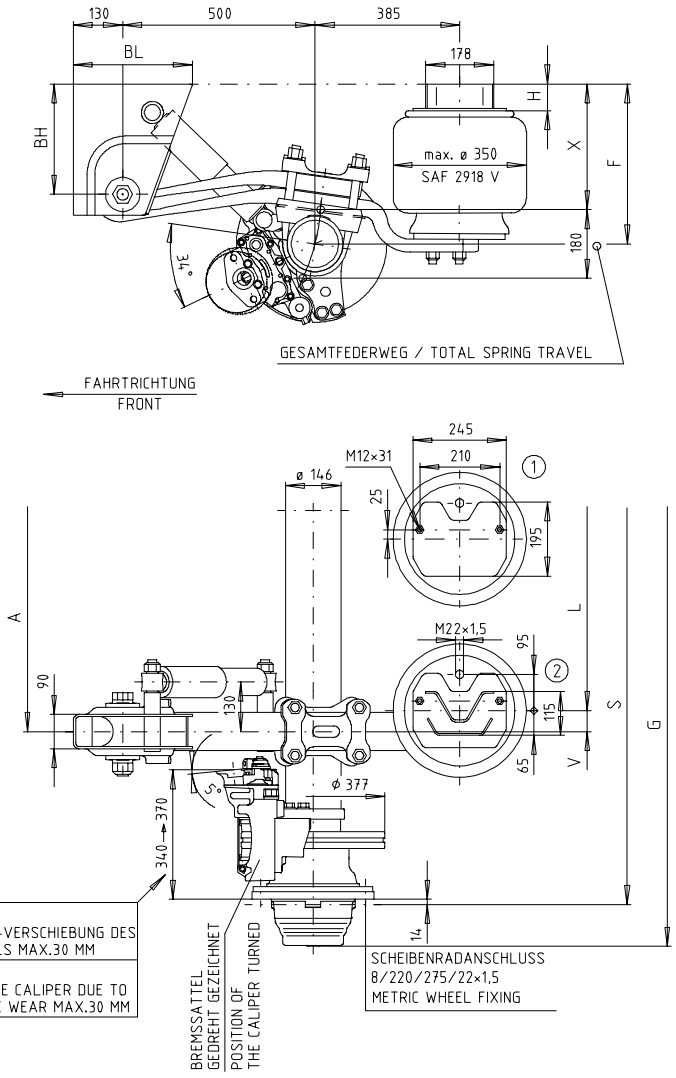
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11019 10000 kg SB 1937-13Z 265/70 R 19.5	1834/900	2053	30 3)	840 2)	291
			55	790	
	1834/980	2053	70	840 2)	291
	1888/900	2107	30 3)	840	293
			55	790	
	1888/980	2107	55	870	293
			70	840	
	1954/1050	2173	55	940 2)	296
			70	910	
	1954/1100	2173	70	960 2)	296

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 265/70 R 19.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-S31-SKRZ11019

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2618 V



Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 S27	365	345-395	355-395	385-395	285	275	250	298	5 ①	209
M38/2504 S27	385	365-415	375-415	405-415	305	295	250	298	40 ②	210
M40/2904 S27	400	380-430	390-430	420-430	320	310	290	313	40 ②	213
M42/2907 S27	420	400-450	410-450	440-450	340	330	290	313	70 ②	214
M43/2910 S27	435	415-465	425-465	455-465	355	345	290	313	100 ②	215
M46/3510 S27	465	445-495	455-495	485-495	385	375	355	337	100 ②	220

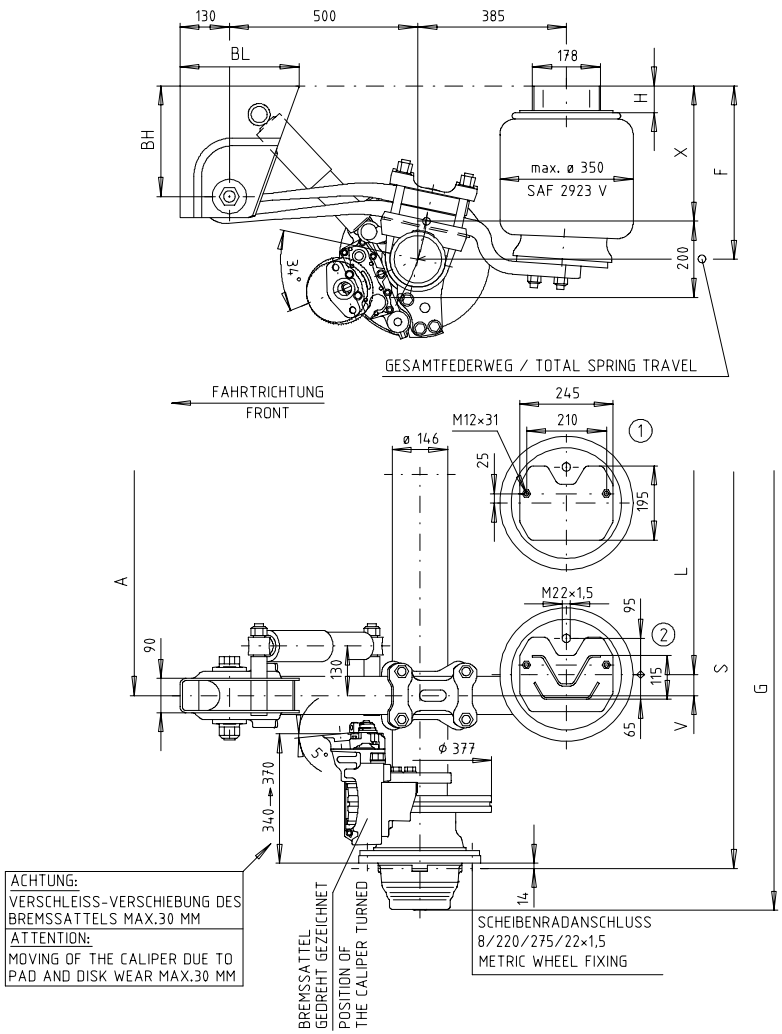
Axle type / axle load / brakes Tyres (example)	S/A Track width/Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11019 10000 kg SB 1937-13Z 265/70 R 19.5	1834/900	2053	30 3)	840 2)	291
			55	790	
	1834/980	2053	70	840 2)	291
	1888/900	2107	30 3)	840	293
			55	790	
	1888/980	2107	55	870	293
			70	840	
	1954/1050	2173	55	940 2)	296
			70	910	
	1954/1100	2173	70	960 2)	296

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 265/70 R 19.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-S27-SKRZ11019

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 43/43 – Air bag SAF 2923 V



Air suspension type	F Nominal ride height	Ride height range 3) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 3) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 S31	400	370-440	380-440	410-440	310	300	250	298	5 ①	211
M42/2504 S31	420	390-460	400-460	430-460	330	320	250	298	40 ②	212
M43/2904 S31	435	405-475	415-475	445-475	345	335	290	313	40 ②	215
M45/2907 S31	455	425-495	435-495	465-495	365	355	290	313	70 ②	216
M47/2910 S31	470	440-510	450-510	480-510	380	370	290	313	100 ②	217
M50/3510 S31	500	470-540	480-540	510-540	410	400	355	337	100 ②	222

Axle type / axle load / brakes Tyres (example)	S / A Track width / Spring Centre	G Axle width	V Offset	L Air bag centre	Weight approx. 1)
SK RZ 11019 10000 kg SB 1937-13Z 265/70 R 19.5	1834/900	2053	30 3)	840 2)	291
			55	790	
	1834/980	2053	70	840 2)	291
	1888/900	2107	30 3)	840	293
			55	790	
	1888/980	2107	55	870	293
			70	840	
	1954/1050	2173	55	940 2)	296
			70	910	
	1954/1100	2173	70	960 2)	296

Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = Max. possible tyre size 265/70 R 19.5 (minimum distance between tyre and air bag!)
3) = At V=30, the overall height X decreases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-S31-SKRZ11019

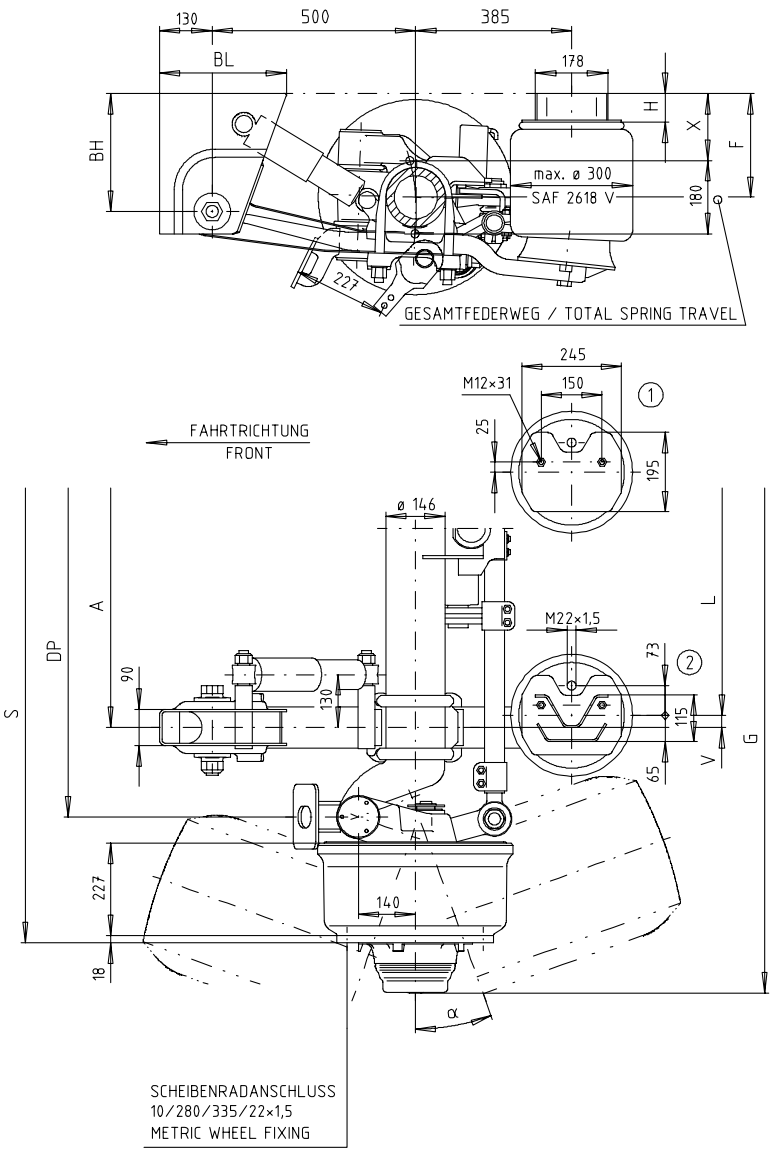
Air Suspension Series with Axle Type

SK RLS 9042

11360MS Edition 11 / 2003

CONTENTS

Nominal ride height 200 - 330 mm – Mono leaf trailing arm – Air bag SAF 2618 V



Air suspension type	F Nominal ride height	Ride height range 2) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 2) unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
U20/2500 E29	200	---	180-220	210-220	110	90	250	298	5 ①	165
U22/2504 E29	220	---	200-240	230-240	130	110	250	298	40 ②	166
U24/2904 E29	240	---	220-260	250-260	150	130	290	313	40 ②	169
U25/2907 E29	255	---	235-275	265-275	165	145	290	313	70 ②	170
U27/2910 E29	270	---	250-290	280-290	180	160	290	313	100 ②	171
U30/3510 E29	300	---	280-320	310-320	210	190	355	337	100 ②	176
U31/3513 E29	315	---	295-335	325-335	225	205	355	337	130 ②	177
U33/3516 E29	330	---	310-350	340-350	240	220	355	337	160 ②	178

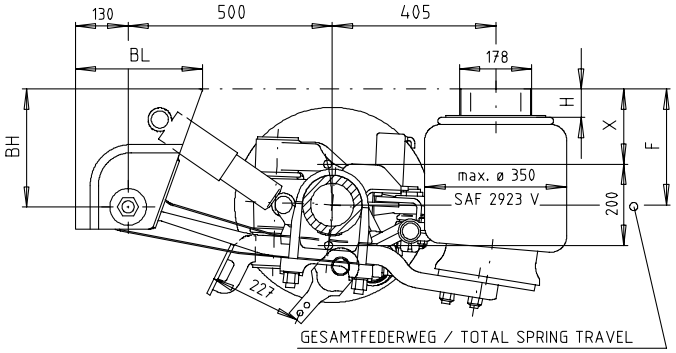
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	DP Pivot point centre	V Offset	L Air bag centre	Steering angle by tyre size 385/65 R 22.5 α max.	Weight approx.1)
SK RLS 9042	2040/980	2287	1420	30	920	20°	---
				55 2)	870	20°	
9000 kg	2090/980	2337	1470	0	980	19°	---
				30	920	20°	
SNK 420 x 180	2090/1030	2337	1470	30	970	20°	---
				55 2)	920	20°	
max.	2140/1080	2387	1520	30	1020	20°	---
385/65 R 22.5				55 2)	970	20°	

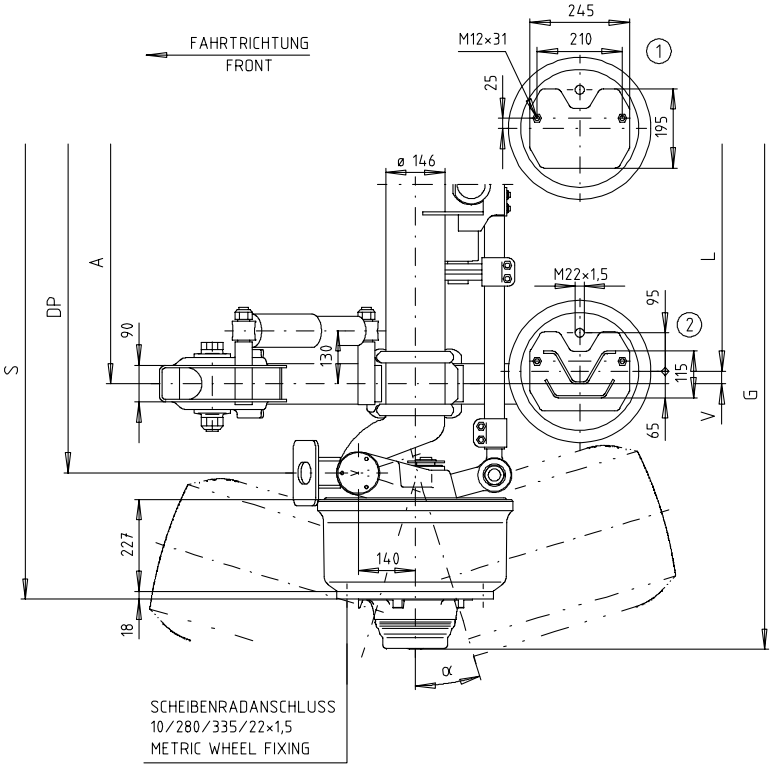
max. possible diaphragm brake chamber 24" (Tyre distance - diaphragm brake chamber)
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-E29-SKRLS9042

Nominal ride height 230 - 365 mm – Mono leaf trailing arm – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range for single axles	for axle assemblies	for axle assemblies with lift	X overall height unladen without air	laden without air	BH BL hanger bracket height	hanger bracket length	H air suspension bracket	Weight approx.
U23/2500 E31	230	---	205-265	235-265	135	115	250	298	5 ①	180
U25/2504 E31	250	---	225-285	255-285	155	135	250	298	40 ②	181
U27/2904 E31	270	---	245-305	275-305	175	155	290	313	40 ②	184
U28/2907 E31	285	---	260-320	290-320	190	170	290	313	70 ②	185
U30/2910 E31	300	---	275-335	305-335	205	185	290	313	100 ②	186
U33/3510 E31	330	---	305-365	335-365	235	215	355	337	100 ②	191
U35/3513 E31	350	---	325-385	355-385	255	235	355	337	130 ②	192
U36/3516 E31	365	---	340-400	370-400	270	250	355	337	160 ②	193

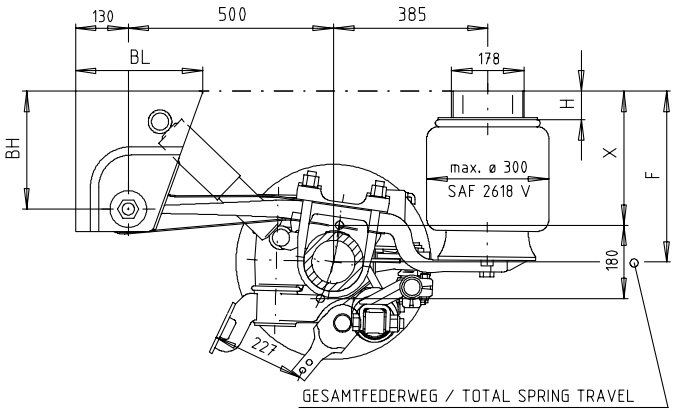
Axle type / axle load / brakes Tyres (example)	S / A Track width / Spring Centre	G Axle width	DP Pivot point centre	V Offset	L Air bag centre	Steering angle by tyre size 385/65 R 22.5 α max.	Weight approx.[1)]
SK RLS 9042 9000 kg SNK 420 x 180 max. 385/65 R 22.5	2040/980	2287	1420	30	920	17°	---
				55	870	19°	
	2090/980	2337	1470	30	920	19°	---
				55	870	20°	
	2090/1030	2337	1470	30	970	17°	---
				55	920	19°	
	2140/1080	2387	1520	30	1020	17°	---
				55	970	19°	

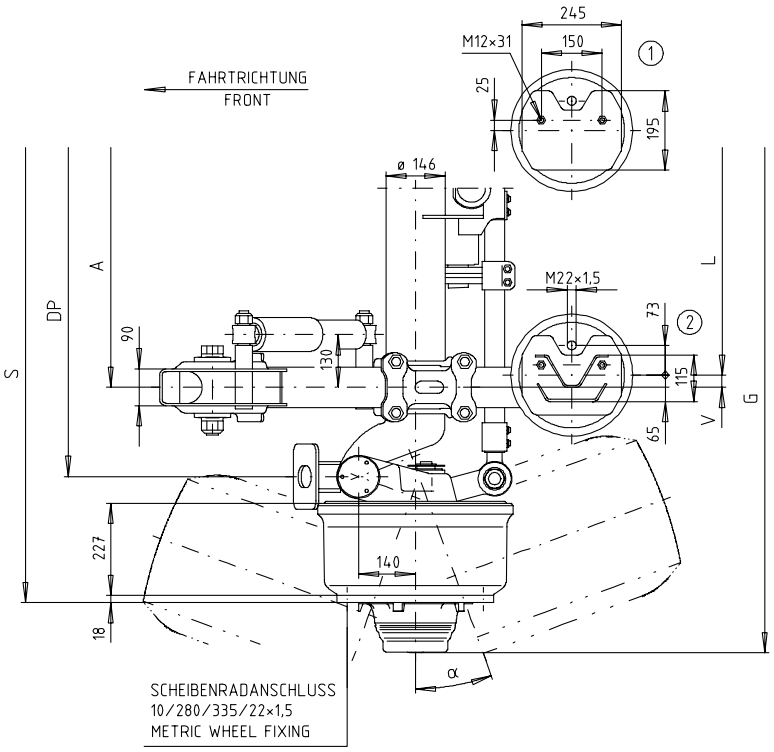
max. possible diaphragm brake chamber 24" (Tyre distance - diaphragm brake chamber)
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.

Ref. No.: U-E31-SKRLS9042

Nominal ride height 365 - 465 mm – Mono leaf trailing arm – Air bag SAF 2618 V





Air suspension type	F Nominal ride height	Ride height range 2) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 2) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 E29	365	---	345-385	375-385	275	255	250	298	5 ①	167
M38/2504 E29	385	---	365-405	395-405	295	275	250	298	40 ②	168
M40/2904 E29	400	---	380-420	410-420	310	290	290	313	40 ②	171
M42/2907 E29	420	---	400-440	430-440	330	310	290	313	70 ②	172
M43/2910 E29	435	---	415-455	445-455	345	325	290	313	100 ②	173
M46/3510 E29	465	---	445-485	475-485	375	355	355	337	100 ②	178

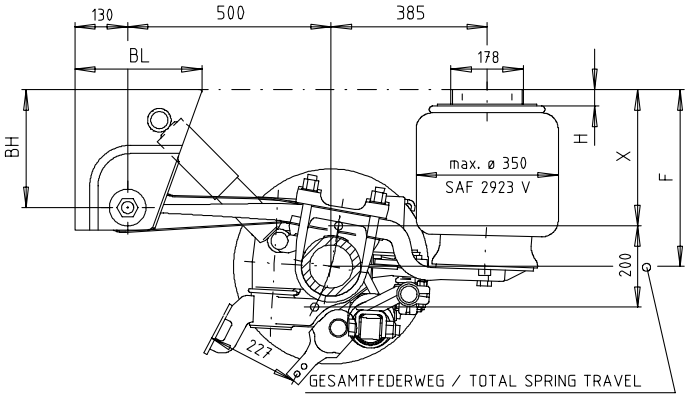
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	DP Pivot point centre	V Offset	L Air bag centre	Steering angle by tyre size 385/65 R 22.5 α max.	Weight approx.1)
SK RLS 9042 9000 kg SNK 420 x 180 max. 385/65 R 22.5	2040/980	2287	1420	30	920	20°	---
				55 2)	870	20°	
	2090/980	2337	1470	0	980	19°	---
				30	920	20°	
	2090/1030	2337	1470	30	970	20°	---
				55 2)	920	20°	
	2140/1080	2387	1520	30	1020	20°	---
				55 2)	970	20°	

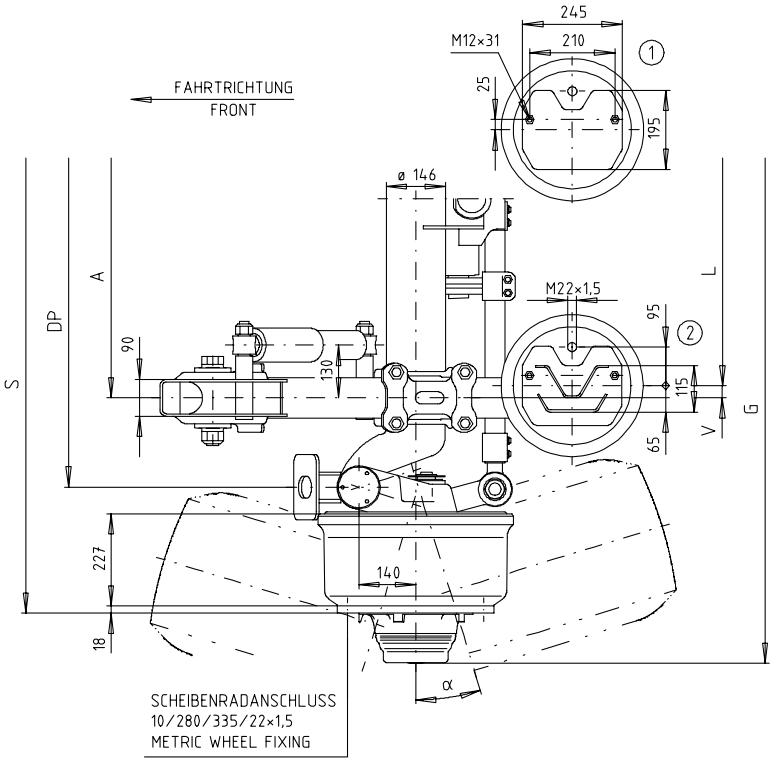
max. possible diaphragm brake chamber 24" (Tyre distance - diaphragm brake chamber)
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-E29-SKRLS9042

Nominal ride height 400 - 500 mm – Mono leaf trailing arm – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 2) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 2) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 E31	400	---	370-430	400-430	300	280	250	298	5 ①	182
M43/2904 E31	435	---	405-465	435-465	335	315	290	313	40 ②	186
M50/3510 E31	500	---	470-530	500-530	400	380	355	337	100 ②	193

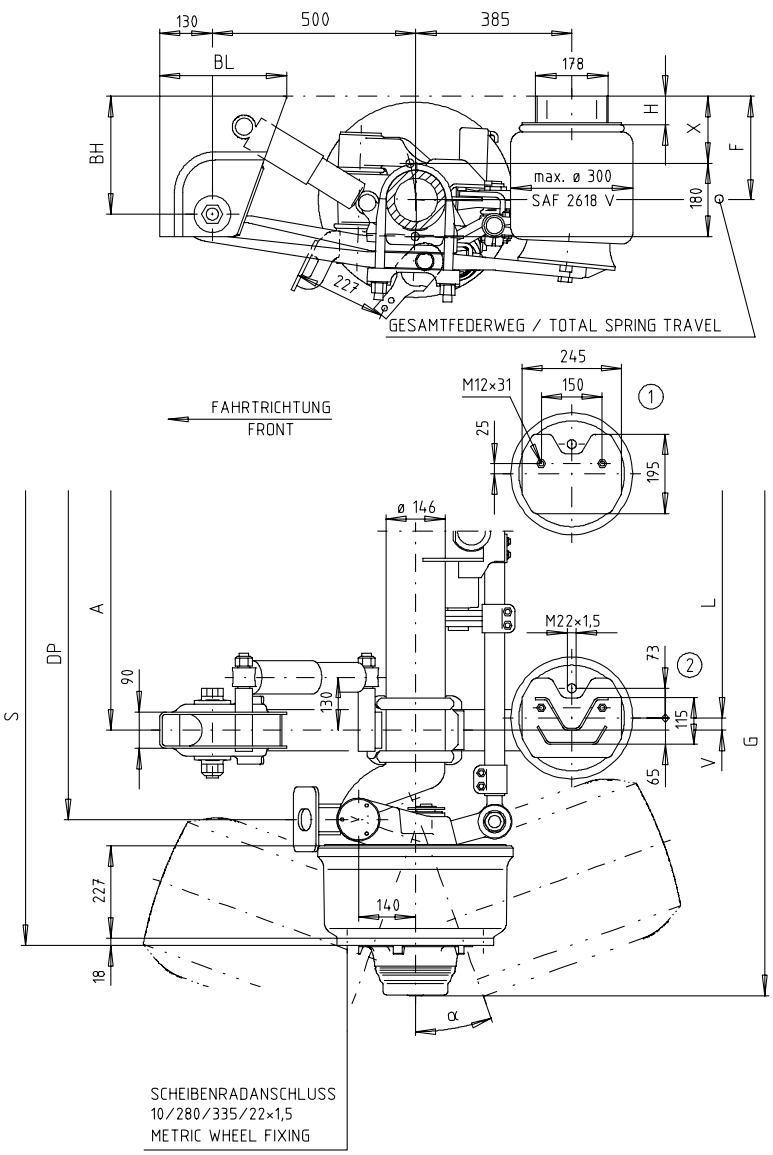
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	DP Pivot point centre	V Offset	L Air bag centre	Steering angle by tyre size 385/65 R 22.5 α max.	Weight approx.1)
SK RLS 9042	2040/980	2287	1420	30	920	17°	---
				55 2)	870	20°	
9000 kg	2090/980	2337	1470	30	920	20°	---
SNK 420 x 180							
max.	2090/1030	2337	1470	30	970	17°	---
				55 2)	920	20°	
385/65 R 22.5	2140/1080	2387	1520	30	1020	17°	---
				55 2)	970	20°	

max. possible diaphragm brake chamber 24" (Tyre distance - diaphragm brake chamber)
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-E31-SKRLS9042

Nominal ride height 200 - 330 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V



Air suspension type	F Nominal ride height	Ride height range 2) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 2) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U20/2500 N29	200	---	180-220	210-220	110	95	250	298	5 ①	180
U22/2504 N29	220	---	200-240	230-240	130	115	250	298	40 ②	181
U24/2904 N29	240	---	220-260	250-260	150	135	290	313	40 ②	184
U25/2907 N29	255	---	235-275	265-275	165	150	290	313	70 ②	185
U27/2910 N29	270	---	250-290	280-290	180	165	290	313	100 ②	186
U30/3510 N29	300	---	280-320	310-320	210	195	355	337	100 ②	191
U31/3513 N29	315	---	295-335	325-335	225	210	355	337	130 ②	192
U33/3516 N29	330	---	310-150	340-350	240	225	355	337	160 ②	193

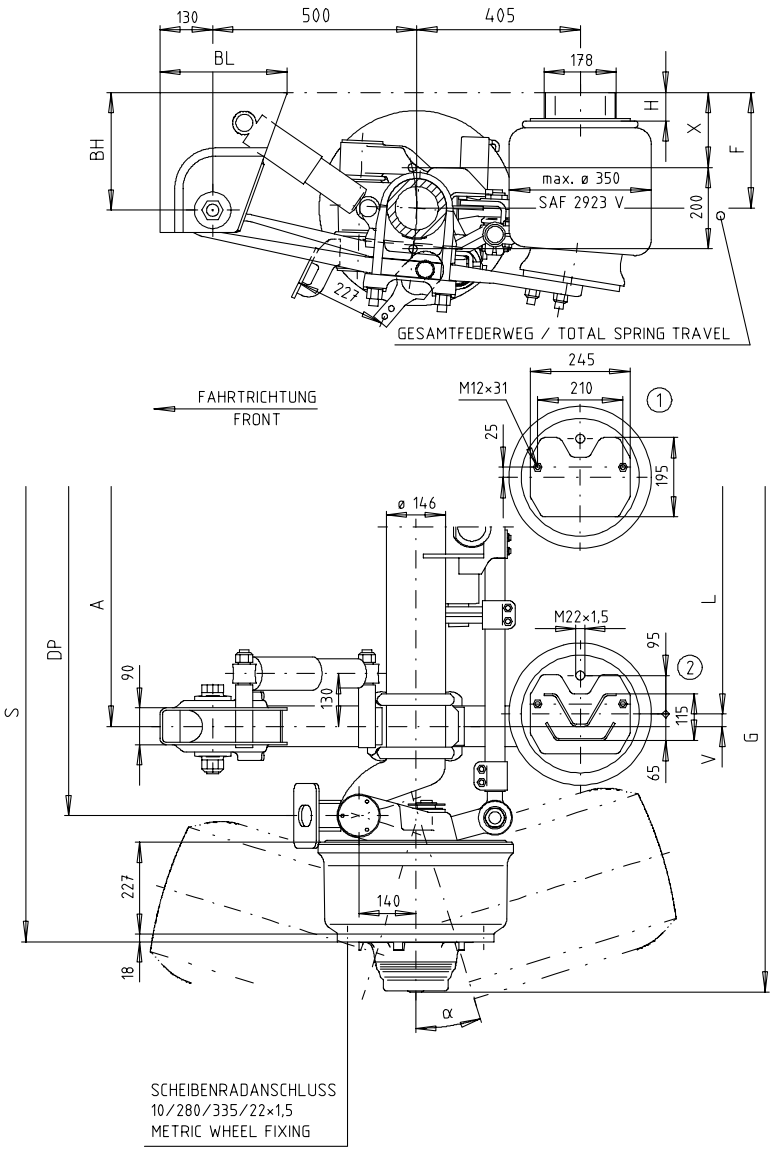
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	DP Pivot point centre	V Offset	L Air bag centre	Steering angle by tyre size 385/65 R 22.5 α max.	Weight approx.1)
SK RLS 9042	2040/980	2287	1420	30	920	20°	---
9000 kg				55 2)	870	20°	
SNK 420 x 180	2090/980	2337	1470	0	980	19°	---
max.				30	920	20°	
385/65 R 22.5	2090/1030	2337	1470	30	970	20°	---
				55 2)	920	20°	
	2140/1080	2387	1520	30	1020	20°	---
				55 2)	970	20°	

max. possible diaphragm brake chamber 24" (Tyre distance - diaphragm brake chamber)
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: U-N29-SKRLS9042

Nominal ride height 230 - 365 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V



Air suspension type	F Nominal ride height	Ride height range for single axles	for axle assemblies	for axle assemblies with lift	X overall height unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
U23/2500 N31	230	---	210-270	240-270	140	125	250	298	5 ①	195
U25/2504 N31	250	---	230-290	260-290	160	145	250	298	40 ②	196
U27/2904 N31	270	---	250-310	280-310	180	165	290	313	40 ②	199
U28/2907 N31	285	---	265-325	295-325	195	180	290	313	70 ②	200
U30/2910 N31	300	---	280-340	310-340	210	195	290	313	100 ②	201
U33/3510 N31	330	---	310-370	340-370	240	225	355	337	100 ②	206
U35/3513 N31	350	---	330-390	360-390	260	245	355	337	130 ②	207
U36/3516 N31	365	---	345-405	375-405	275	260	355	337	160 ②	208

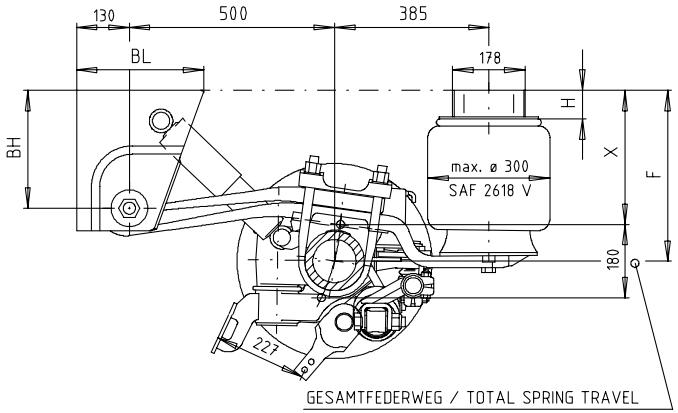
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	DP Pivot point centre	V Offset	L Air bag centre	Steering angle by tyre size 385/65 R 22.5 α max.	Weight approx.[1)]
SK RLS 9042	2040/980	2287	1420	30	920	17°	---
				55	870	19°	
9000 kg	2090/980	2337	1470	30	920	19°	---
				55	870	20°	
SNK 420 x 180	2090/1030	2337	1470	30	970	17°	---
				55	920	19°	
max.	2140/1080	2387	1520	30	1020	17°	---
385/65 R 22.5				55	970	19°	

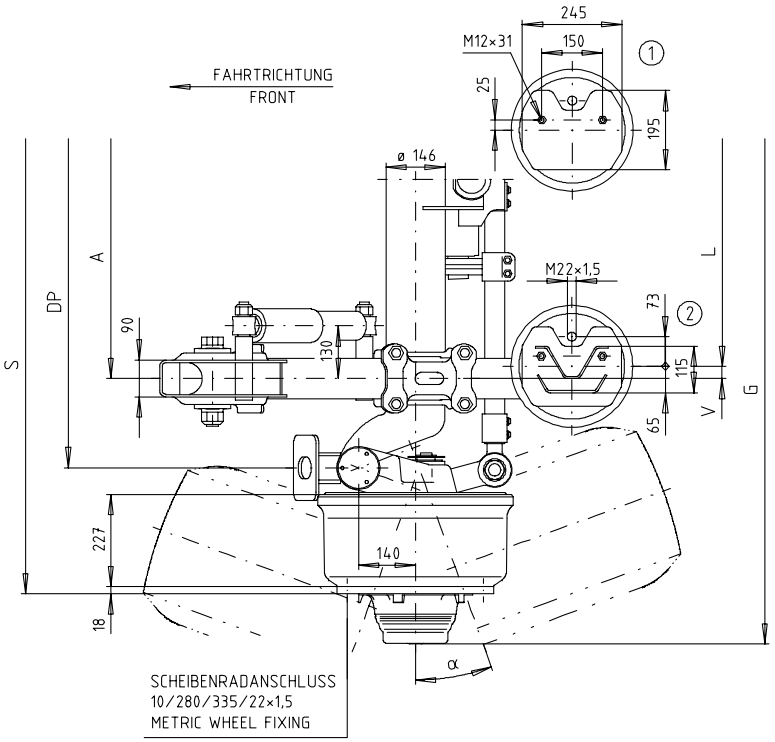
max. possible diaphragm brake chamber 24" (Tyre distance - diaphragm brake chamber)
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.

Ref. No.: U-N31-SKRLS9042

Nominal ride height 365 - 465 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2618 V





Air suspension type	F Nominal ride height	Ride height range 2) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 2) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M36/2500 N29	365	340-390	350-390	380-390	280	265	250	298	5 ①	186
M38/2504 N29	385	360-410	370-410	400-410	300	285	250	298	40 ②	187
M40/2904 N29	400	375-425	385-425	415-425	315	300	290	313	40 ②	190
M42/2907 N29	420	395-445	405-445	435-445	335	320	290	313	70 ②	191
M43/2910 N29	435	410-460	420-460	450-460	350	335	290	313	100 ②	192
M46/3510 N29	465	440-490	450-490	480-490	380	365	355	337	100 ②	197

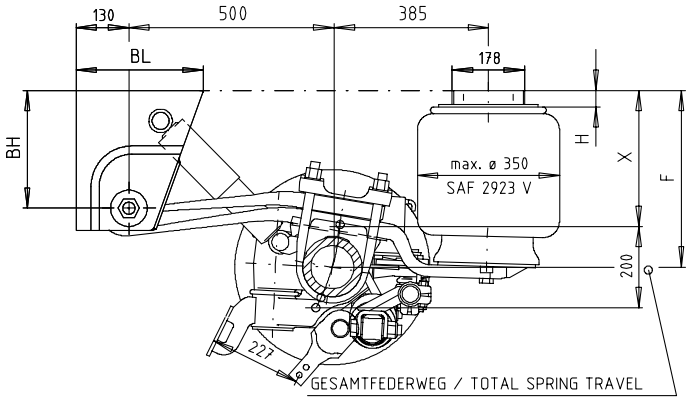
Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	DP Pivot point centre	V Offset	L Air bag centre	Steering angle by tyre size 385/65 R 22.5 α max.	Weight approx.1)
SK RLS 9042	2040/980	2287	1420	30	920	20°	---
				55 2)	870	20°	
9000 kg	2090/980	2337	1470	0	980	19°	---
				30	920	20°	
SNK 420 x 180	2090/1030	2337	1470	30	970	20°	---
				55 2)	920	20°	
max.	2140/1080	2387	1520	30	1020	20°	---
385/65 R 22.5				55 2)	970	20°	

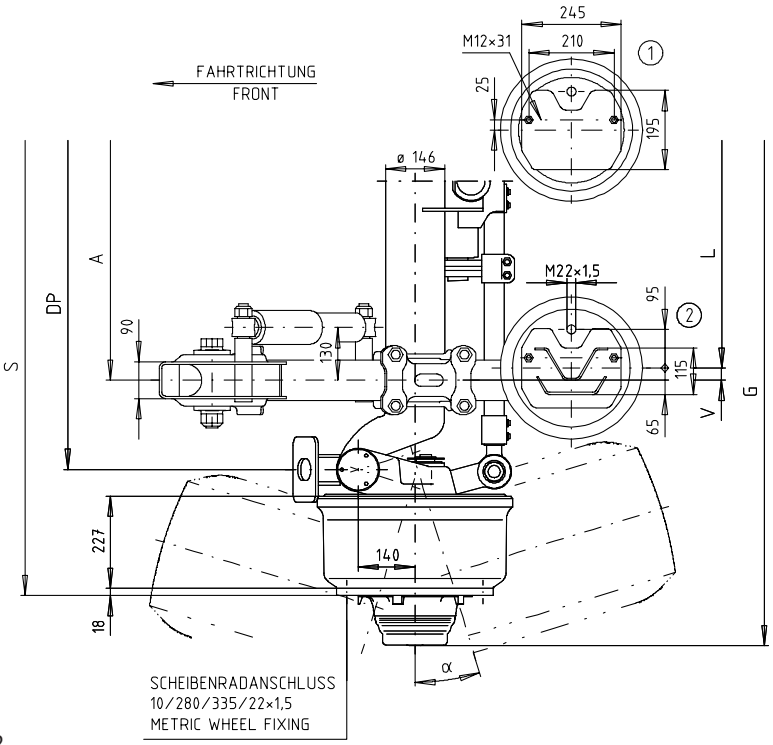
max. possible diaphragm brake chamber 24" (Tyre distance - diaphragm brake chamber)
Lenghts in mm, weights in kg

1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

Ref. No.: M-N29-SKRLS9042

Nominal ride height 400 - 500 mm – Twin leaf trailing arm 38/38 – Air bag SAF 2923 V





Air suspension type	F Nominal ride height	Ride height range 2) for single axles	for axle assemblies	for axle assemblies with lift	X overall height 2) unladen without air	laden without air	BH hanger bracket height	BL hanger bracket length	H air suspension bracket	Weight approx.
M40/2500 N31	400	---	375-435	405-435	305	290	250	298	5 ①	201
M43/2904 N31	435	---	410-470	440-470	340	325	290	313	40 ②	205
M50/3510 N31	500	---	475-535	505-535	405	390	355	337	100 ②	212

Axle type / axle load / brakes Tyres (example)	S/A Track width / Spring Centre	G Axle width	DP Pivot point centre	V Offset	L Air bag centre	Steering angle by tyre size 385/65 R 22.5 α max.	Weight approx.1)
SK RLS 9042	2040/980	2287	1420	30	920	17°	---
				55 2)	870	20°	
9000 kg	2090/980	2337	1470	30	920	20°	---
SNK 420 x 180							
max.	2090/1030	2337	1470	30	970	17°	---
				55 2)	920	20°	
385/65 R 22.5	2140/1080	2387	1520	30	1020	17°	---
				55 2)	970	20°	

max. possible diaphragm brake chamber 24" (Tyre distance - diaphragm brake chamber)
Lenghts in mm, weights in kg

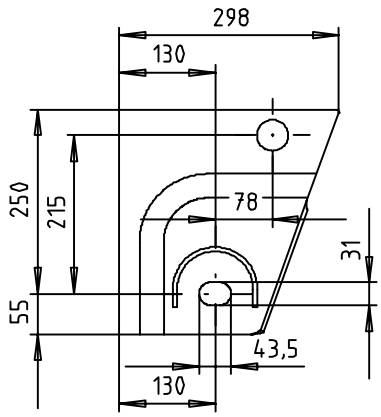
1) = Without spring seat, slack adjuster and wheel nuts (spring seats are integrated into the assembly), deviations in weight lie within the DIN tolerances for the manufacturing processes employed.
2) = At V=55, the overall height X increases by 5 mm (the ride height range changes correspondingly)

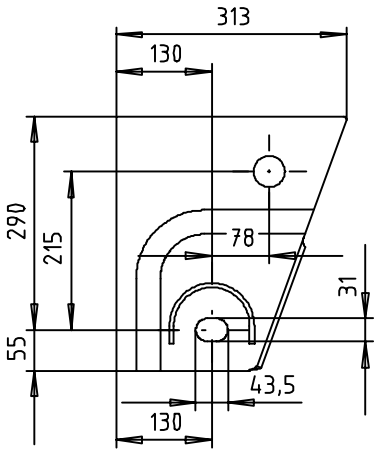
Ref. No.: M-N31-SKRLS9042

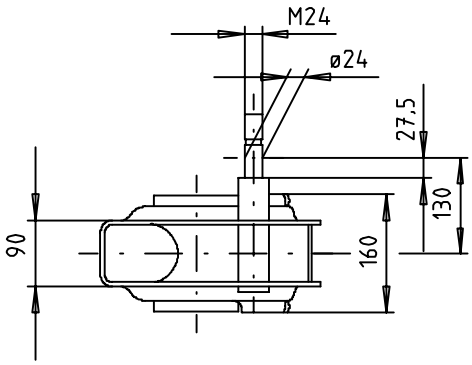
Hanger Brackets
Cross members

“Steel” Hanger Bracket

adjustable / shock absorber - bolted







Best.-Nr.: / Order No.:
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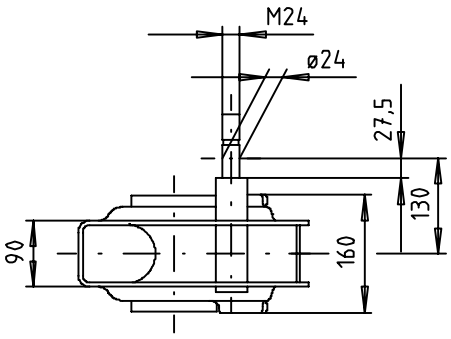
Nr.:02 183 0746 00 Re / RH



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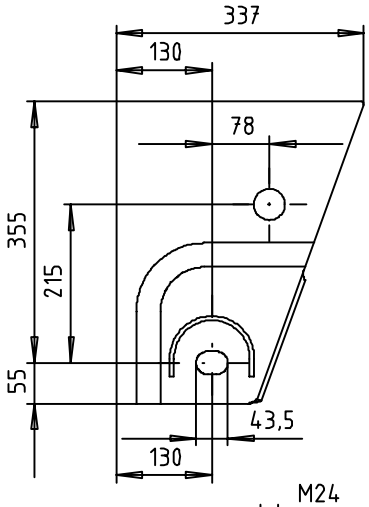
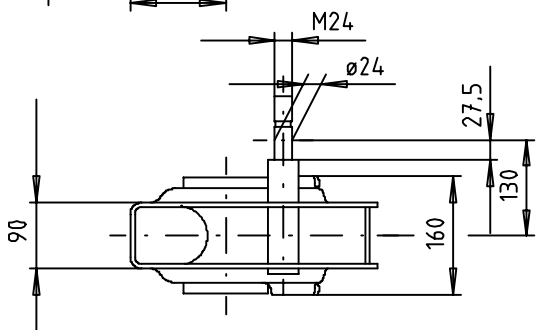
Nr.:02 183 0748 00 Re / RH

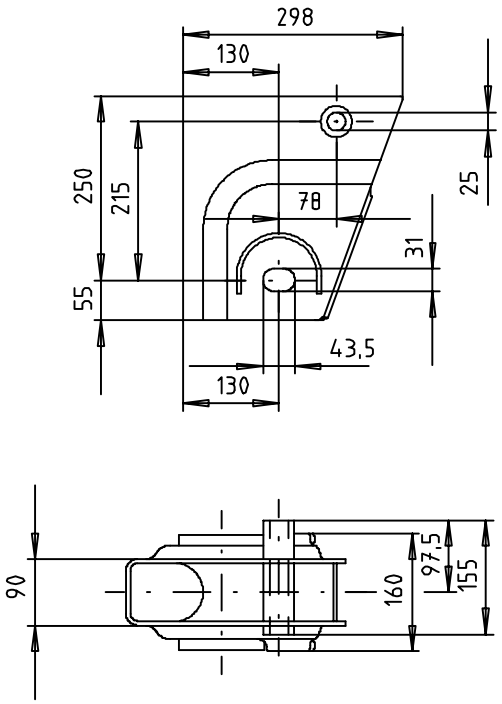




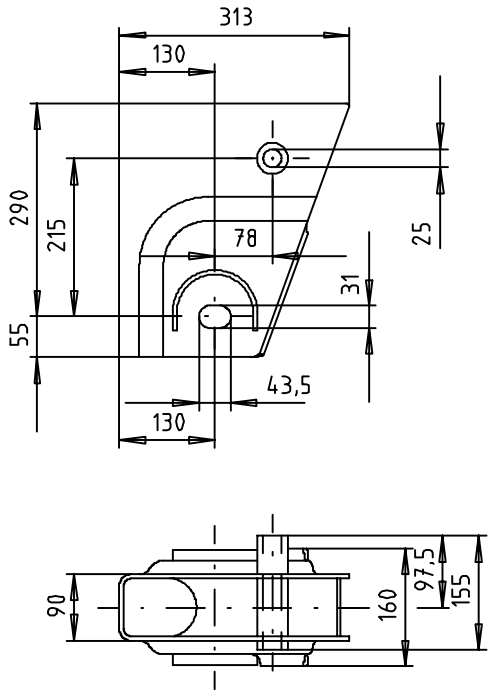
Best.-Nr.: / Order No.:
Nr.:02 183 0749 00 Li / LH
Nr.:02 183 0750 00 Re / RH

“Steel” Hanger Bracket

adjustable / shock absorber - screwed



Best.-Nr.: / Order No.:
Nr.:02 183 0751 00 Li / LH
Nr.:02 183 0752 00 Re / RH



Best.-Nr.: / Order No.:
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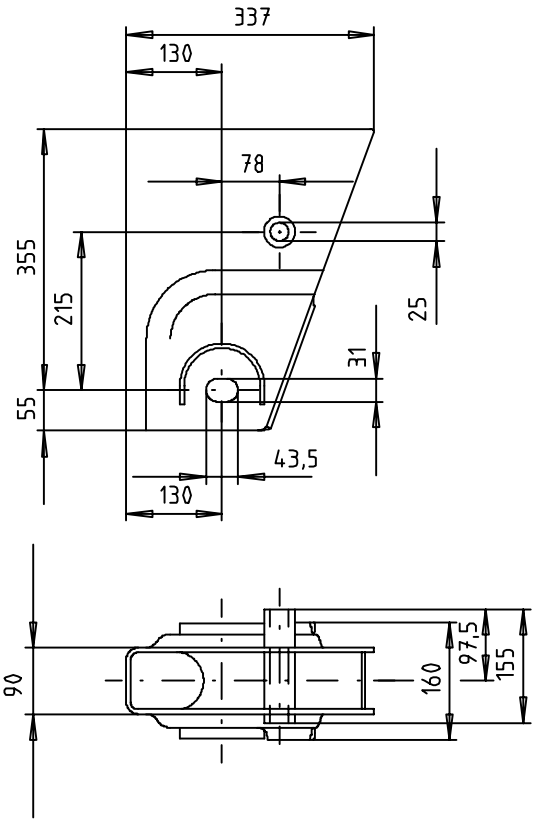
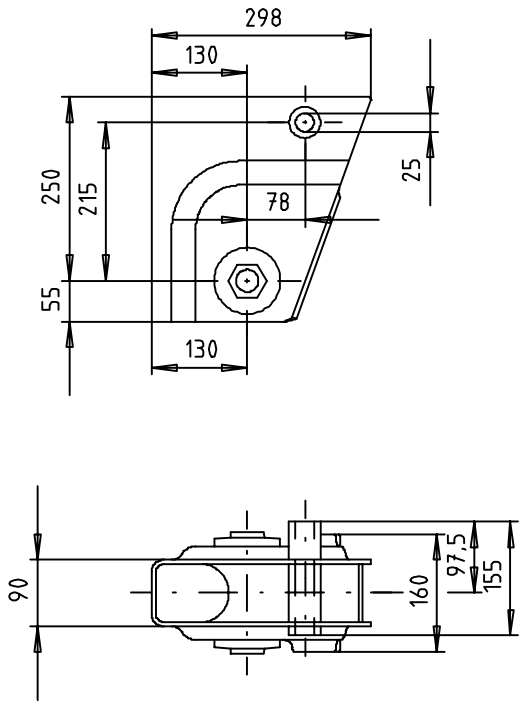
Nr.:02 183 0754 00 Re / RH



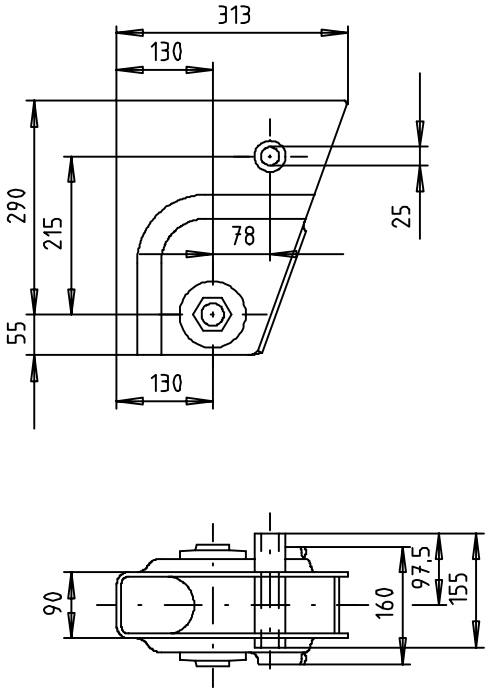
Best.-Nr.: / Order No.:
Nr.:02 183 0755 00 Li / LH
Nr.:02 183 0756 00 Re / RH

“Steel” Hanger Bracket

fixed / shock absorber - screwed



Best.-Nr.: / Order No.:
NR.:02 183 0739 00 Li /LH
Nr.:02 183 0740 00 Re / RH



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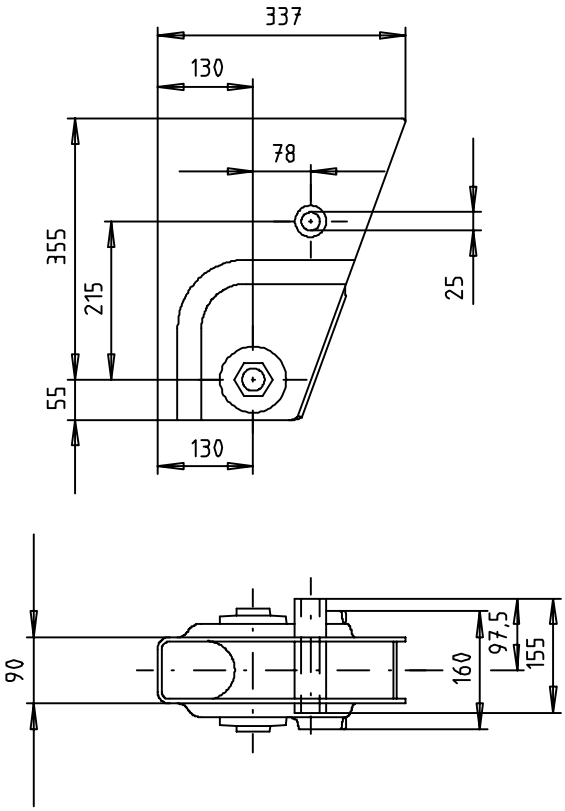
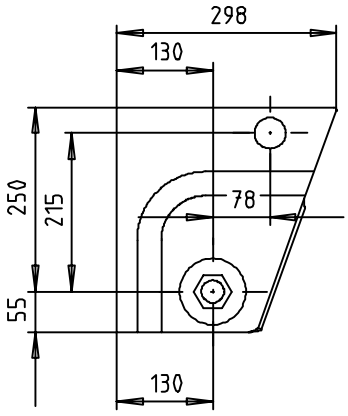
Nr.:02 183 0742 00 Re / RH

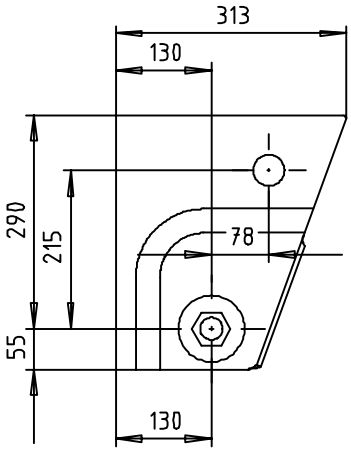


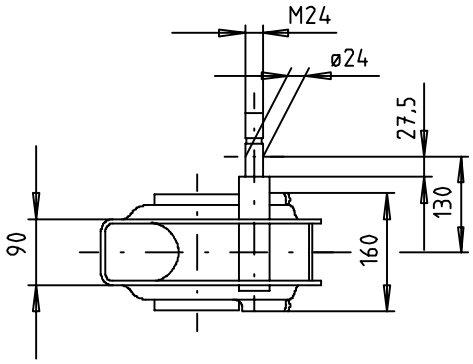
Best.-Nr.: / Order No.:
Nr.:02 183 0743 00 Li / LH
Nr.:02 183 0744 00 Re / RH

“Steel” Hanger Bracket

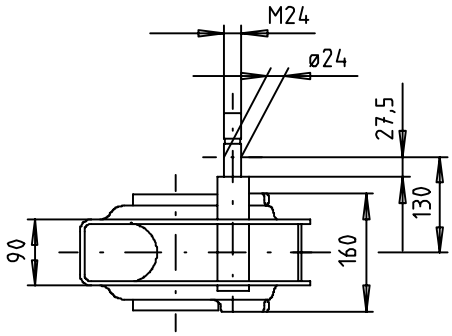
fixed / shock absorber - bolted



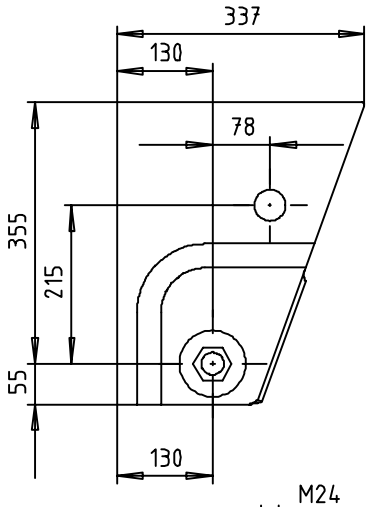


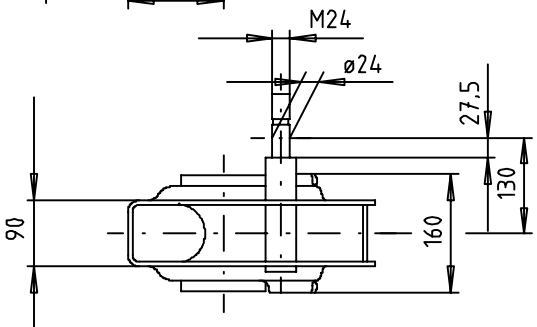


Best.-Nr.: / Order No.:
Nr.:02 183 0721 00 Li / LH
Nr.:02 183 0722 00 Re / RH



Best.-Nr.: / Order No.:
Nr.:02 183 0723 00 Li / LH
Nr.:02 183 0724 00 Re / RH

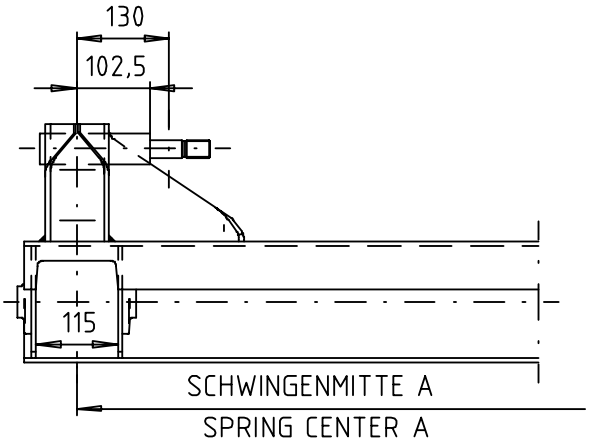


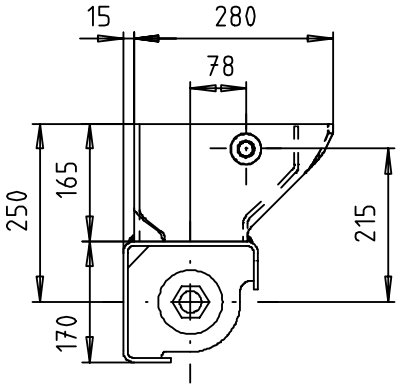


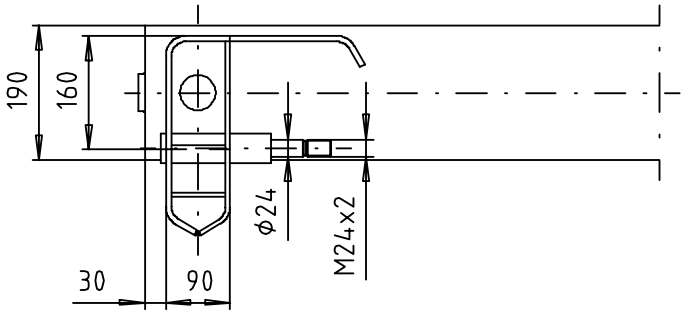
Best.-Nr.: / Order No.:
Nr.:02 183 0725 00 Li / LH
Nr.:02 183 0726 00 Re / RH

Cross member Bracket

fixed / shock absorber - bolted







A	Order-No.:
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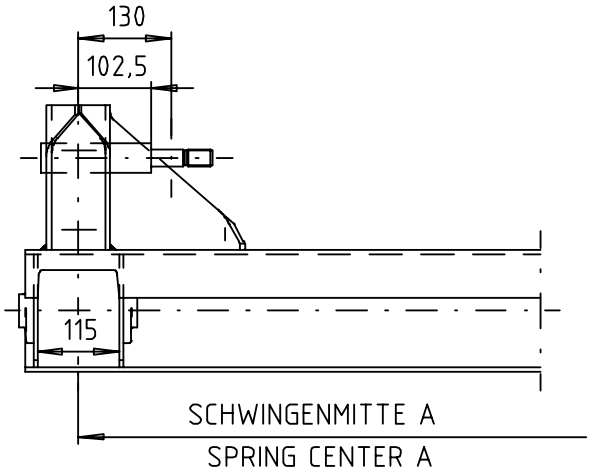
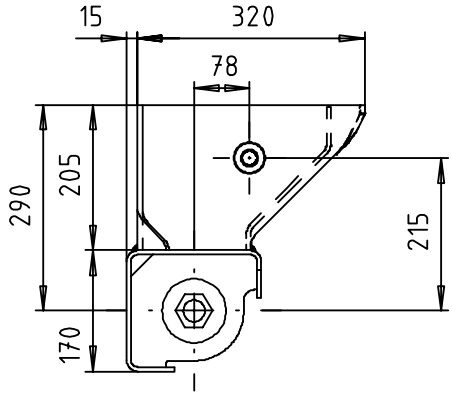
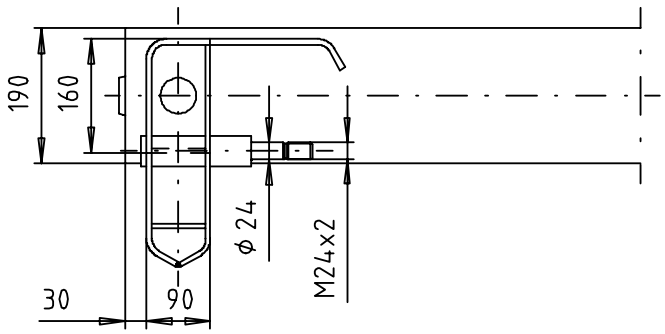
980	2 291 0298 01
1050	2 291 0347 01
1100	2 291 0310 01
1200	2 291 0299 01
1300	2 291 0280 01
1400	2 291 0338 01







A	Order-No.:
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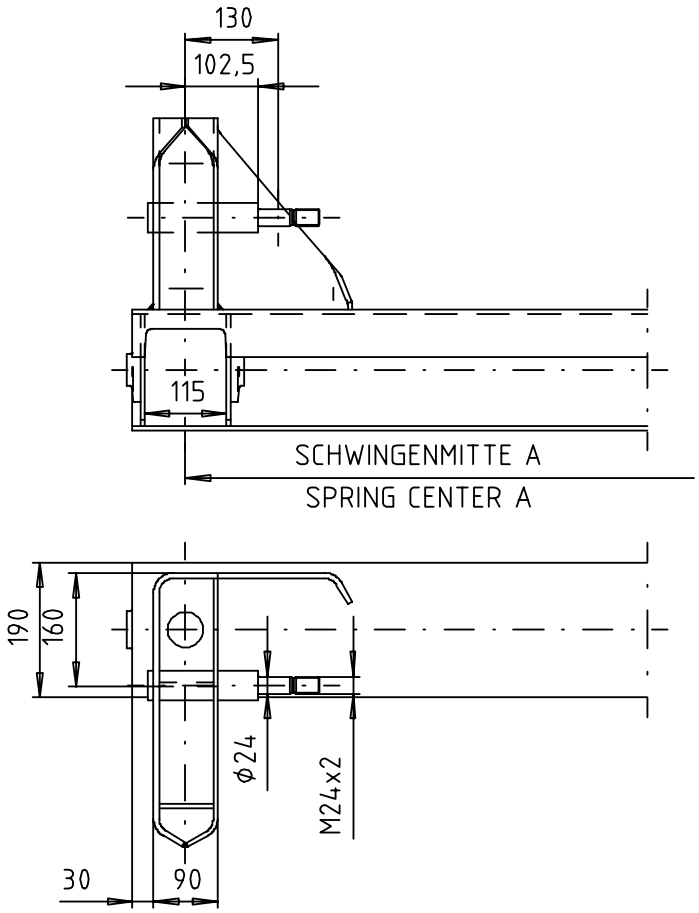
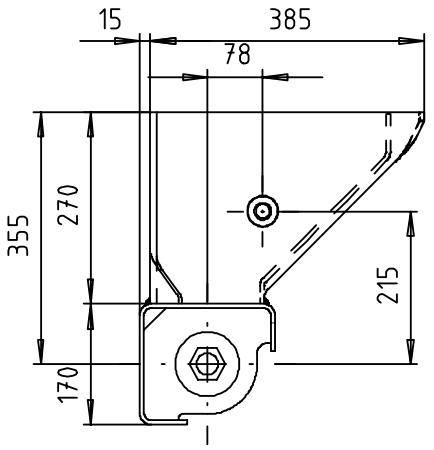
980	2 291 0296 01
1050	2 291 0330 01
1100	2 291 0332 01
1200	2 291 0306 01
1300	2 291 0285 01
1400	2 291 0267 01

Cross member Bracket

fixed / shock absorber - bolted





A	Order-No.:
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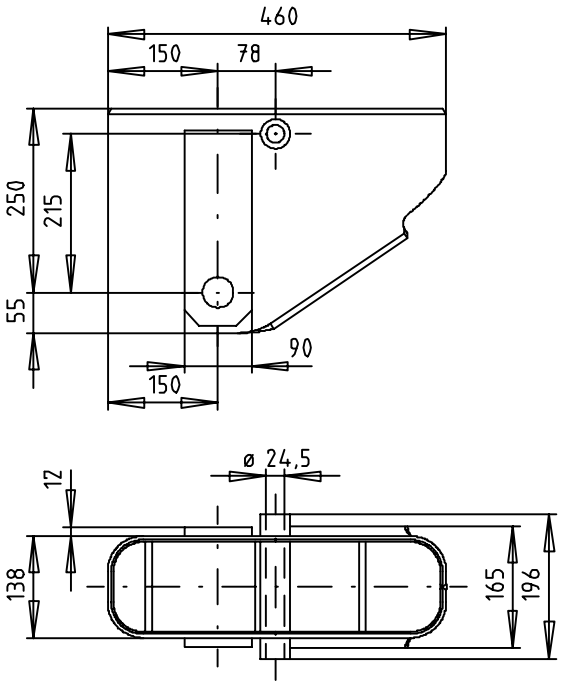
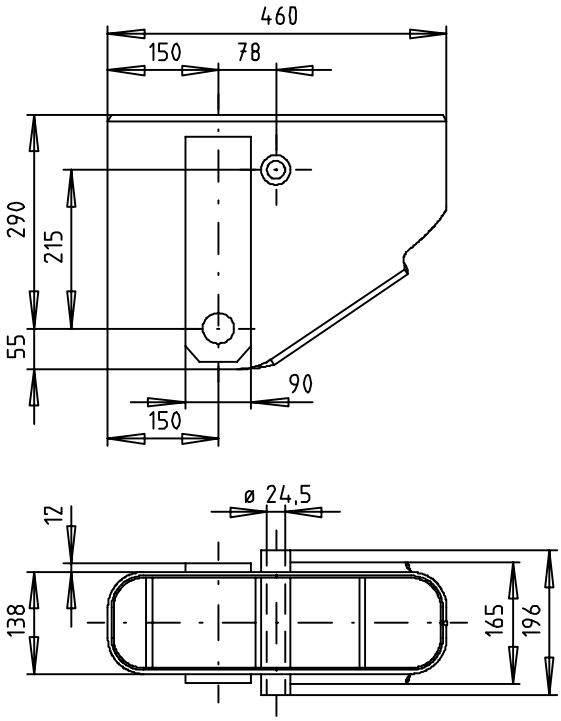
980	2 291 0297 01
1050	2 291 0469 01
1100	2 291 0305 01
1200	2 291 0307 01
1300	2 291 0278 01

“Alu” Hanger Bracket

fixed / shock absorber - screwed



Best.-Nr. / Order No.: 2 183 0679 00



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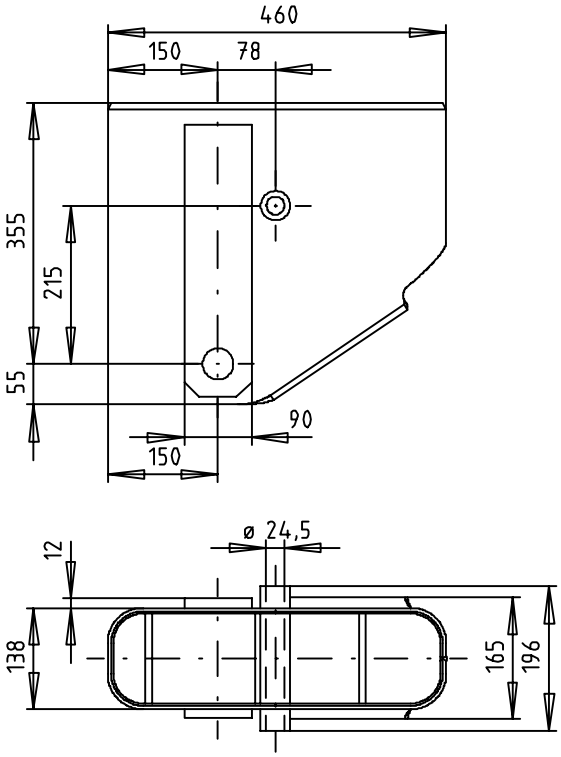
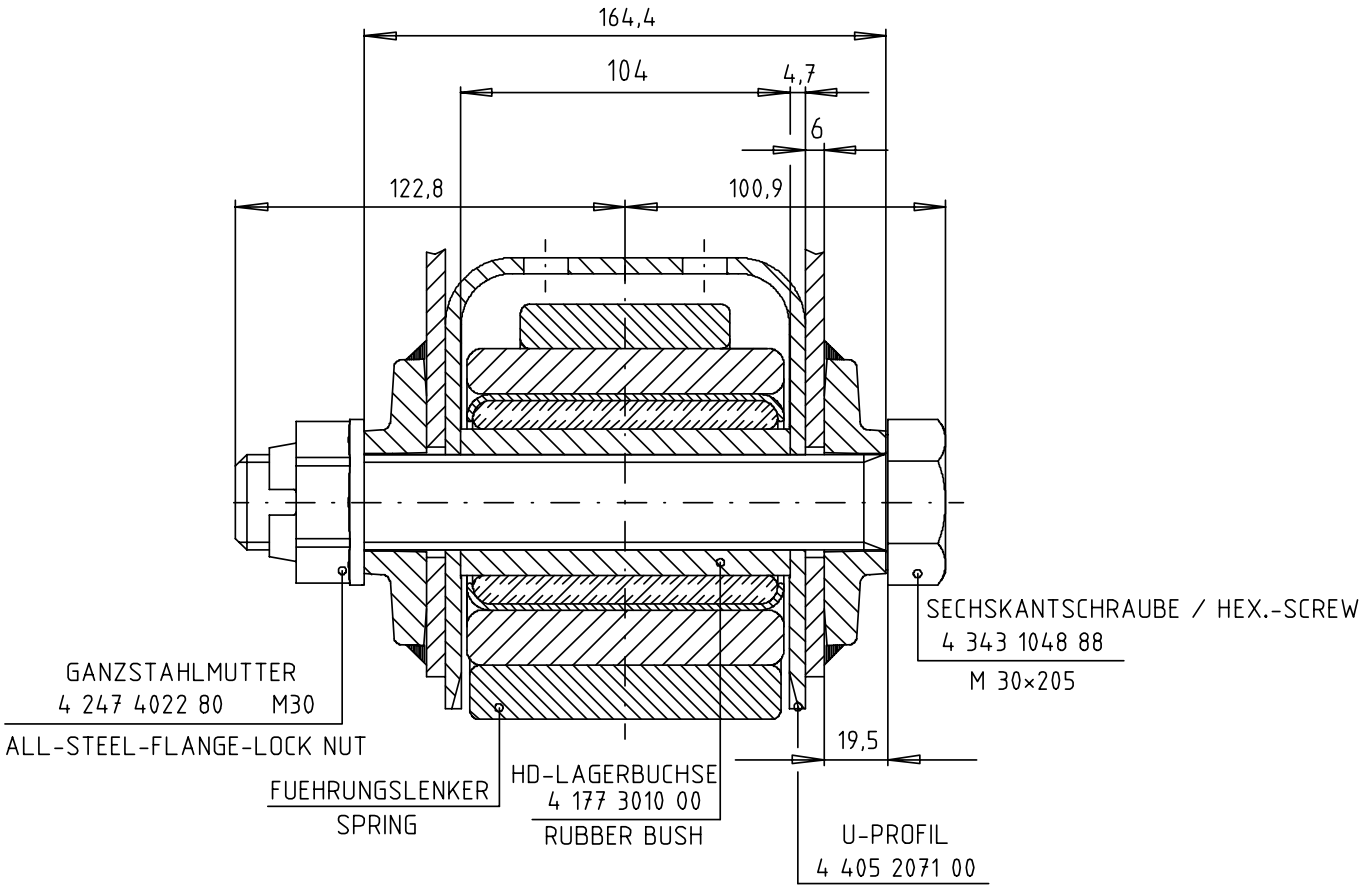


Best.-Nr. / Order No.: 2 183 0731 00

Spring Bearings

Fixed spring bearing

steel hanger bracket / cross member

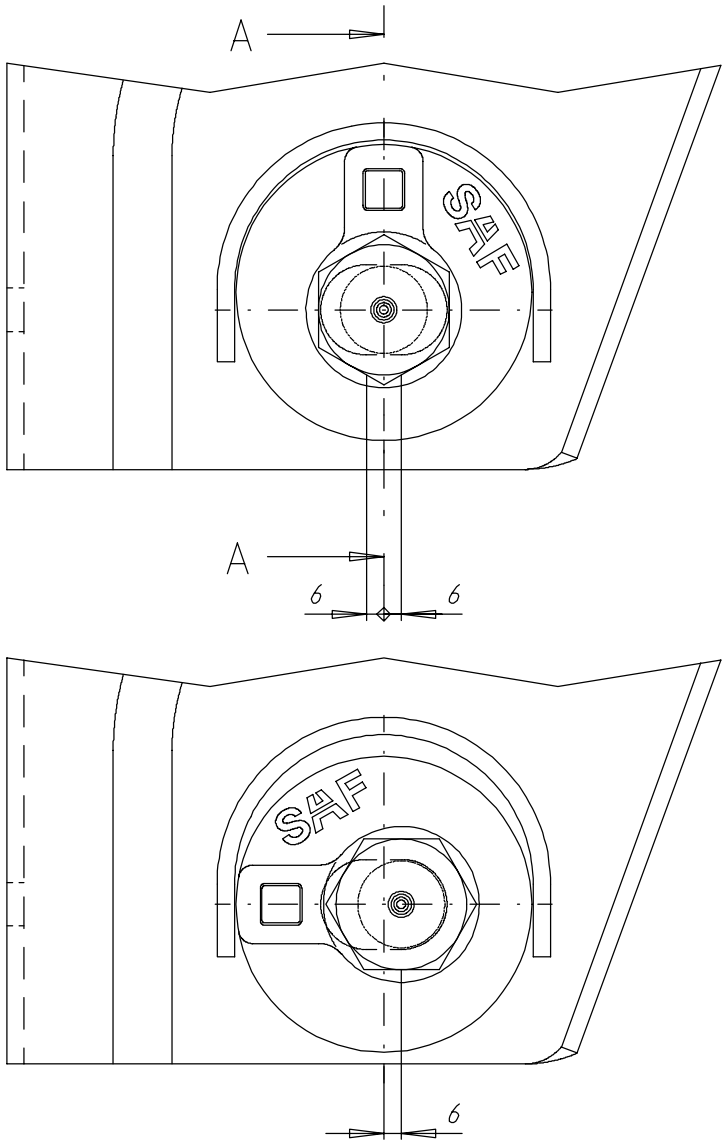


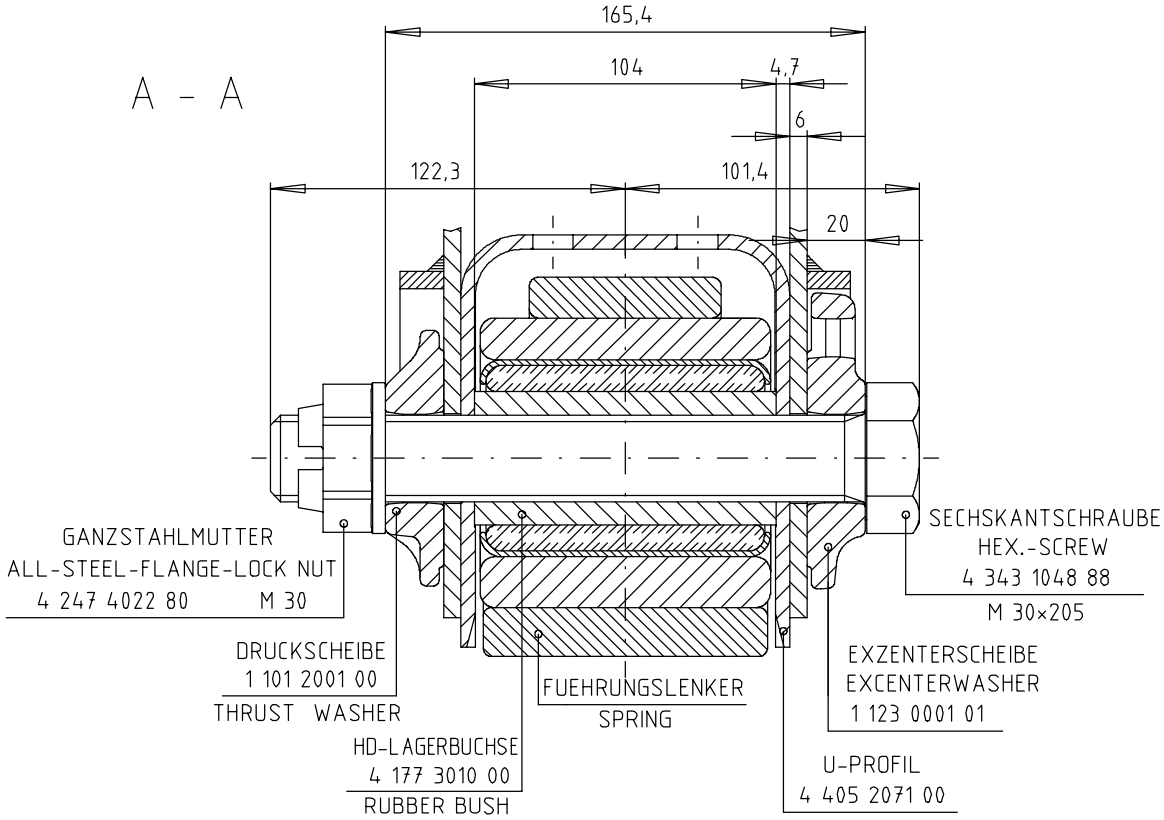
ANZUGSMOMENT : 400 Nm + 120°
TIGHTENING MOMENT : 400 Nm + 120°

ANZUGSVERFAHREN SIEHE TD 0000400500
TIGHTENING PROCEDURE SEE TD 0000400500

Adjustable spring bearing

steel hanger bracket / cross member

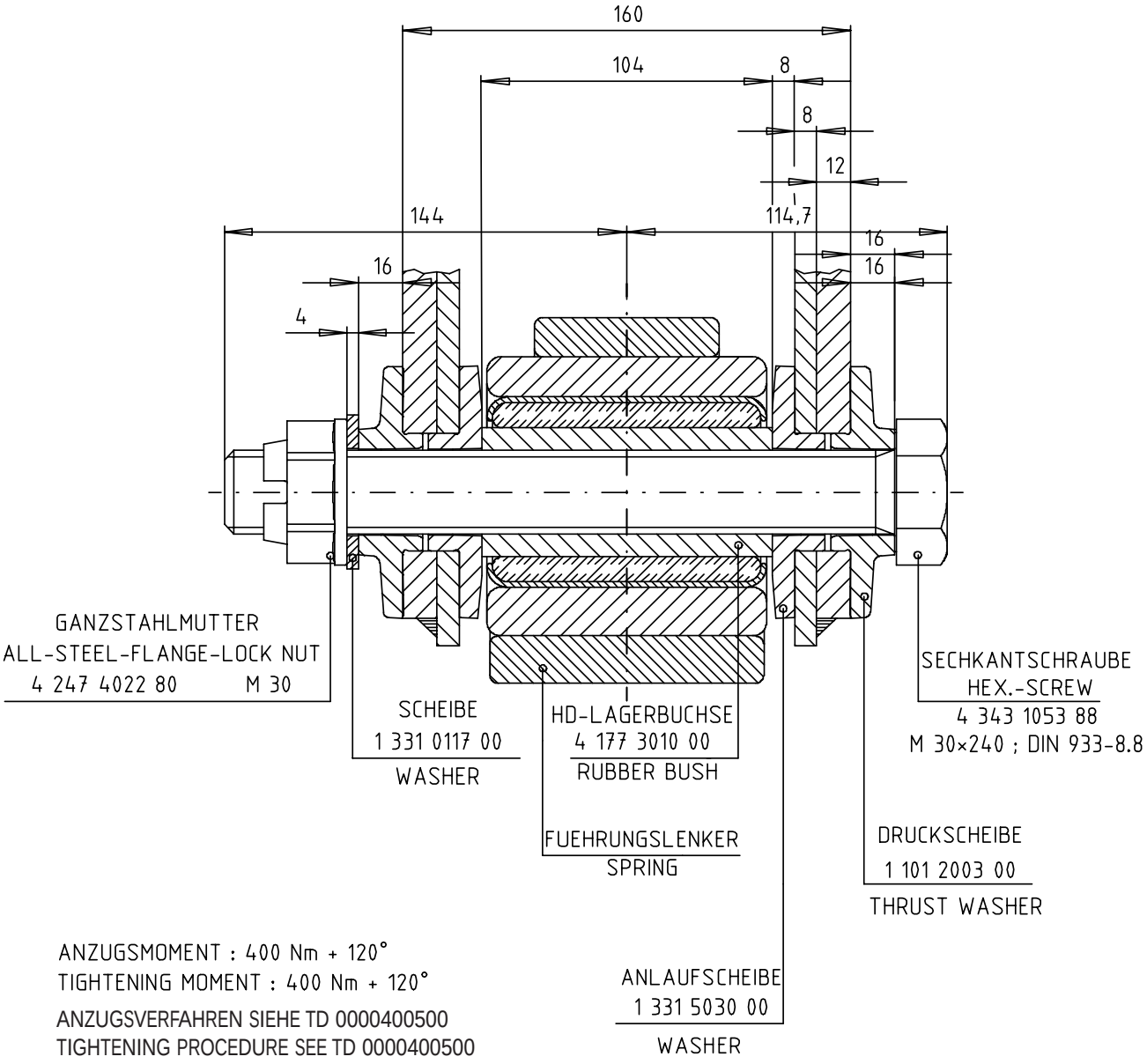




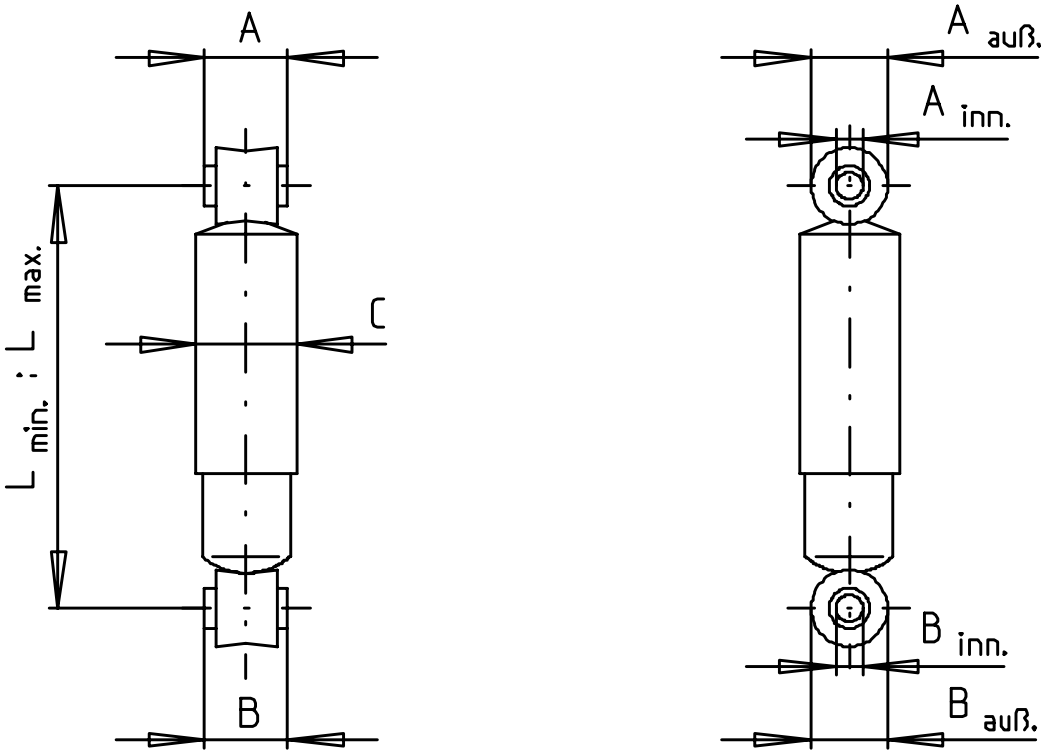
ANZUGSMOMENT : 400 Nm + 120°
TIGHTENING MOMENT : 400Nm + 120°

ANZUGSVERFAHREN SIEHE TD 0000400500
TIGHTENING PROCEDURE SEE TD 0000400500

alu hanger bracket



Shock absorbers



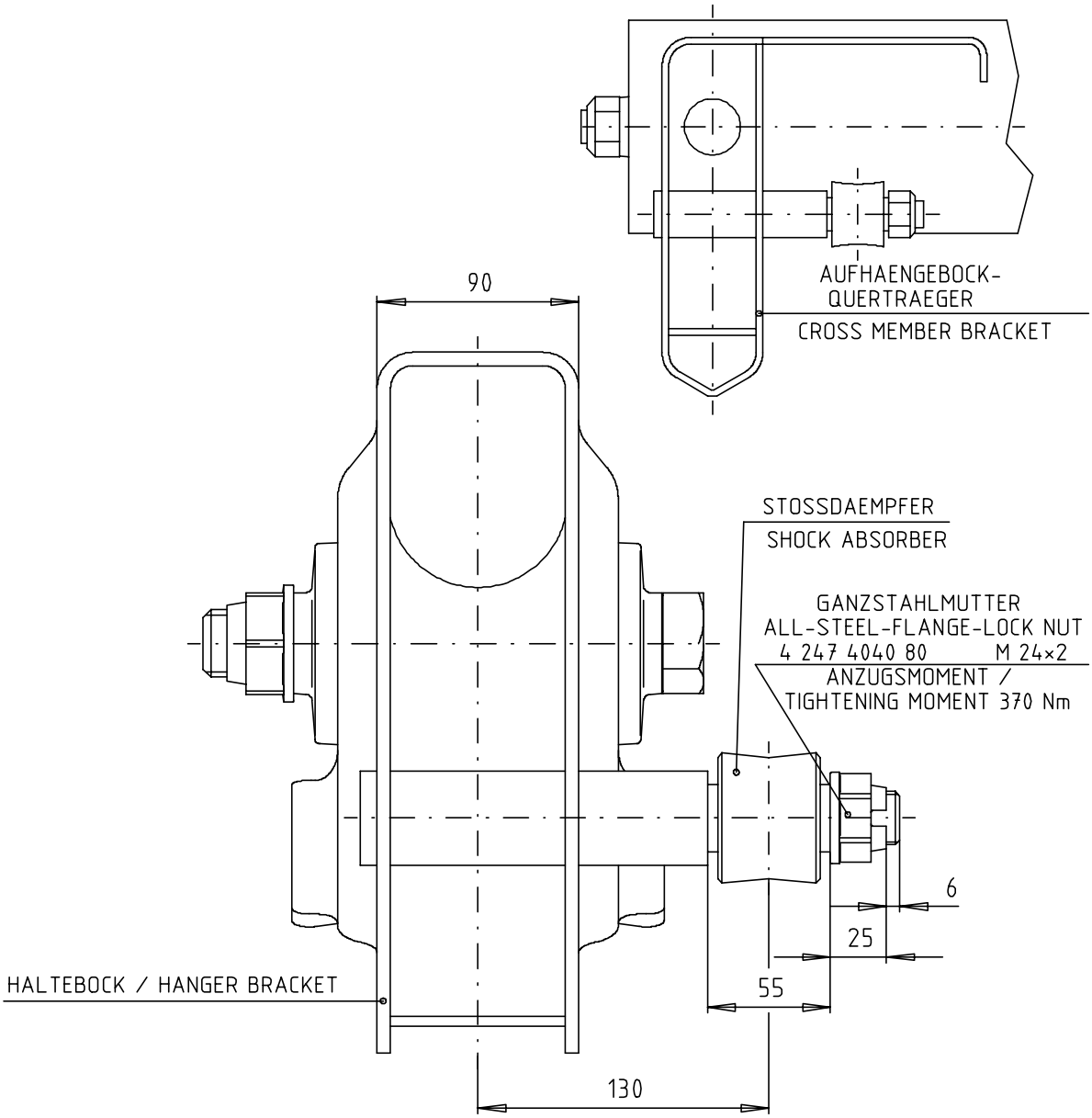
Order No.	Stroke (mm)	$L_{min.}$ (mm)	$L_{max.}$ (mm)	A (mm)	$A_{int.}$ (mm)	$A_{ext.}$ (mm)	B (mm)	$B_{int.}$ (mm)	$B_{ext.}$ (mm)	C (mm)	Characteristics TENSION/COMPRESSION (Newton) N by 52 cm/s
2 376 0026 00	170	325	495 ZA	55	Ø 24	Ø 58	55	Ø 24	Ø 58	Ø 82	18500 / 4000
2 376 4026 00	170	325	495 ZA	55	Ø 24	Ø 58	55	Ø 24	Ø 58	Ø 82	24000 / 3200
2 376 0027 00	140	292	424 ZA	55	Ø 24	Ø 58	55	Ø 24	Ø 58	Ø 82	18500 / 4000
2 376 4027 00	140	292	424 ZA	55	Ø 24	Ø 58	55	Ø 24	Ø 58	Ø 82	24000 / 3200
2 376 0030 00	160	315	475 ZA	55	Ø 24	Ø 58	55	Ø 24	Ø 58	Ø 82	19000 / 4300
2 376 0031 00	190	350	540 ZA	55	Ø 24	Ø 58	55	Ø 24	Ø 58	Ø 82	19800 / 5100
2 376 0032 00	270	426	696 ZA	55	Ø 24	Ø 58	55	Ø 24	Ø 58	Ø 82	18500 / 5000
2 376 0033 00	115	300	415 ZA	55	Ø 24	Ø 58	55	Ø 24	Ø 58	Ø 82	17000 / 4000
2 376 0034 00	120	275	395 ZA	55	Ø 24	Ø 58	55	Ø 24	Ø 58	Ø 82	18500 / 4000
2 376 0035 00	147	303	450 ZA	55	Ø 24	Ø 58	55	Ø 24	Ø 58	Ø 82	18500 / 4000
2 376 0039 00	148	312	460 ZA	55	Ø 24	Ø 58	55	Ø 24	Ø 58	Ø 82	18500 / 4000

ZA = mechanical traction stop

Shock Absorber Bolt

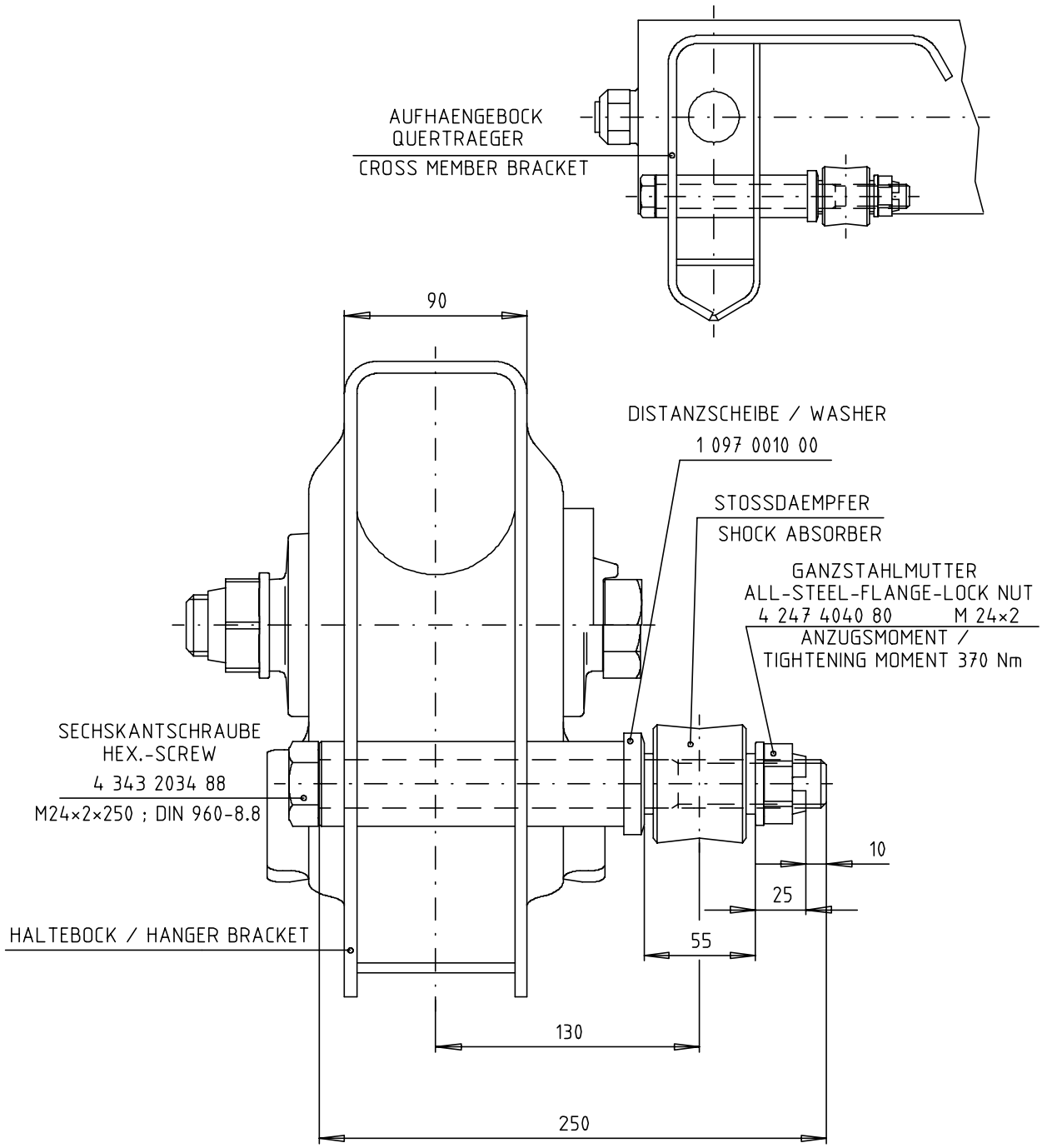
Shock absorber fixing - bolted version

steel hanger bracket / cross member bracket



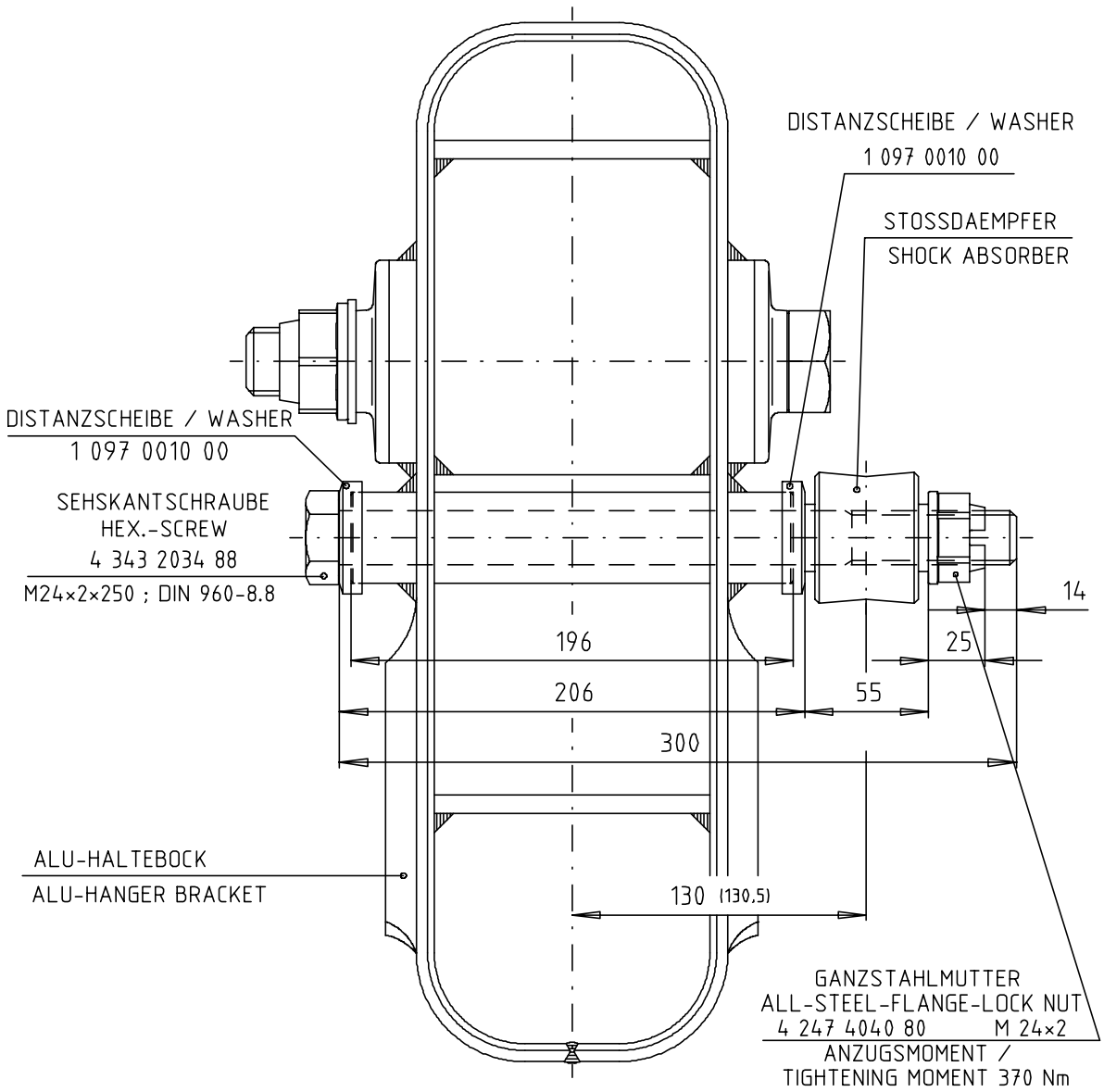
Shock absorber fixing - screwed version

steel hanger bracket / cross member bracket



Shock absorber fixing

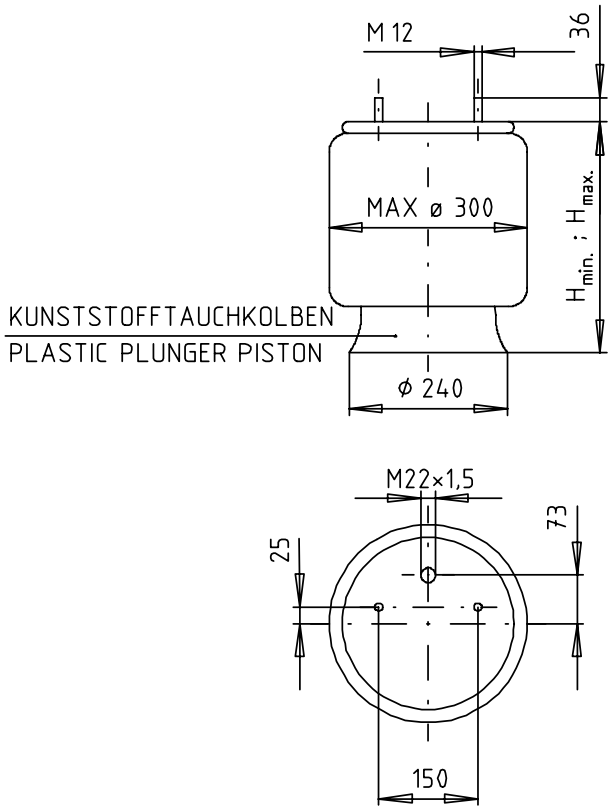
alu hanger bracket



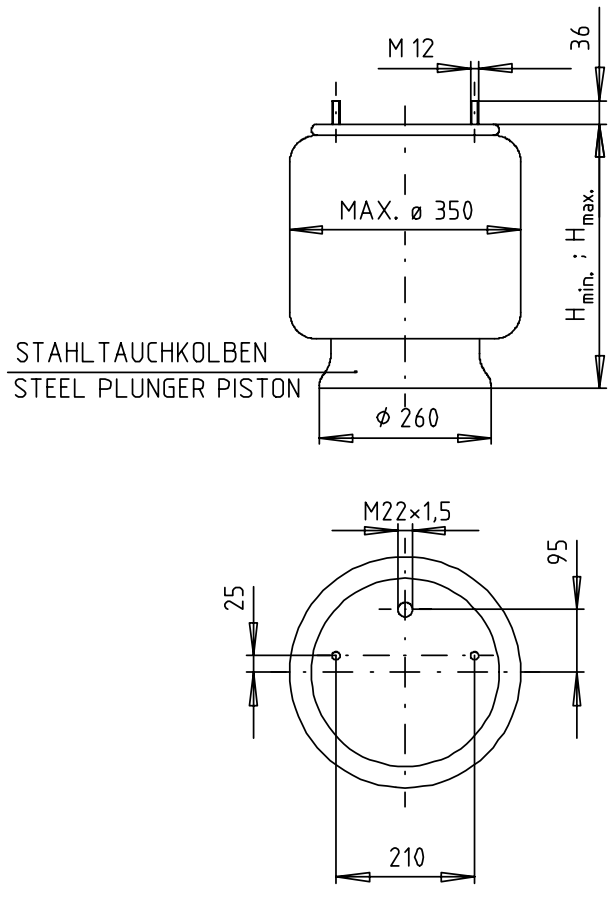
Ref. No.: 0 378 0010 00-INFO

CONTENTS

Air Bags



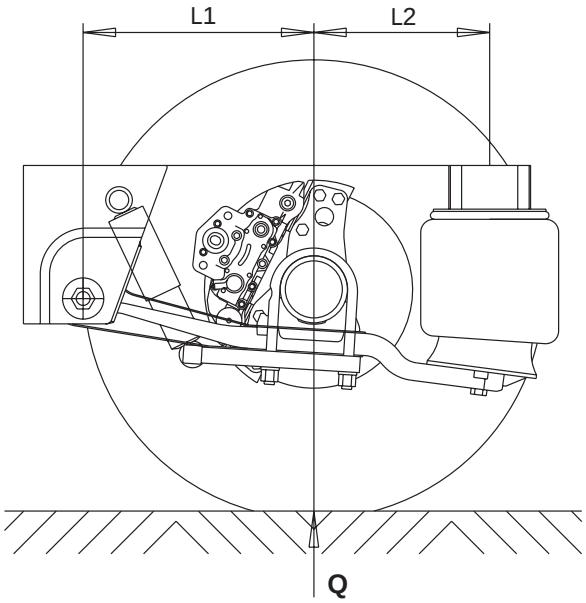
Designation	Order-No.:
SAF 2618 V $H_{min.}$ = 180 $H_{max.}$ = 550 FL = 460 cm²	3 228 0029 00



Designation	Order-No.:
SAF 2918 V $H_{min.}$ = 180 $H_{max.}$ = 520 FL = 555 cm²	3 228 0027 00
SAF 2923 V $H_{min.}$ = 225 $H_{max.}$ = 625 FL = 555 cm²	3 228 0031 00
SAF 2926 V $H_{min.}$ = 255 $H_{max.}$ = 795 FL = 555 cm²	3 228 0030 00

Ref. No.: LUFTFEDERBÄLGE-4

Calculation of the Air Bag Pressure



Formula to calculate the air pressure when fully loaded: $P\ (bar) = \frac{(Q - A) \times i \times p}{2}$

P = air pressure in the air bags (bar)

Q = permissible axle load on the ground (kg)

A = unsprung mass (kg) / mean value for $A = Q \times 0.1$

i = ratio $i = \frac{L1}{L1 + L2}$

p = air pressure in the air bags per kg load
air bag Ø 300 mm (SAF 2618 V / 2619 V) p = 0.00227 bar/kg
air bag Ø 350 mm (SAF 2918 V / 2923 V / 2926 V) p = 0.0018 bar/kg

Example:
Air suspension IU 30/2505 33 (with air bag SAF 2618 V)
Q = 9000 kg $A = Q \times 0.1 = 900$ kg

L1 = 500 mm $i = \frac{500}{500 + 385} = 0{,}565$

L2 = 385 mm

p = 0.00217 bar/kg $P\ (bar) = \frac{(9000 - 900) \times 0.565 \times 0.00227}{2}$ **P = 5.2 bar**

Formula to calculate the air pressure when partially loaded: $Pt\ (bar) = \frac{(Qt - A) \times i \times p}{2}$

Qt = axle load on the ground partially loaded

Example:
Air suspension IU 30/2505 33 (with air bag SAF 2619 V)
Q = 9000 kg $A = Q \times 0.1 = 900$ kg
Qt = 2100 kg

L1 = 500 mm $i = \frac{500}{500 + 385} = 0.565$

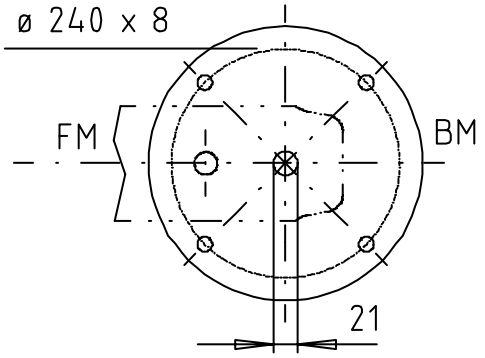
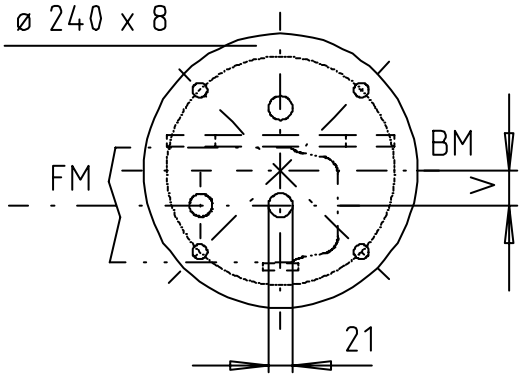
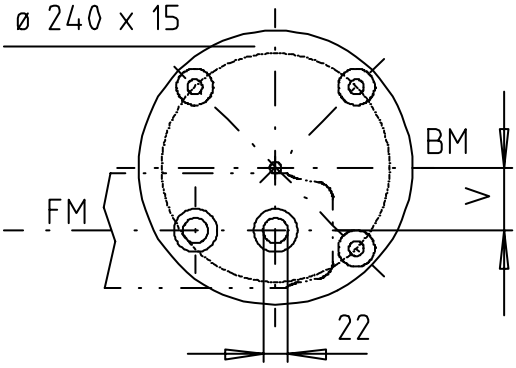
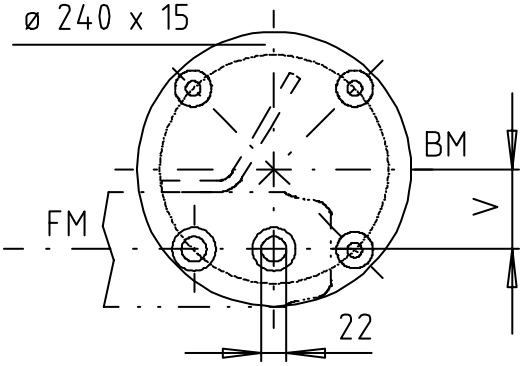
L2 = 385 mm

p = 0,00217 bar/kg $Pt\ (bar) = \frac{(2100 - 900) \times 0.565 \times 0.00227}{2}$ **Pt = 0,77 bar**

Chamber brackets
Air bag brackets

Chamber brackets for air bags

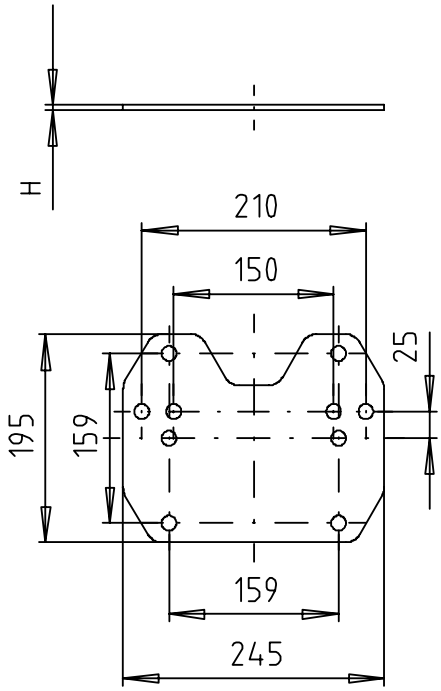
(plunger pistons)

FM = Spring centre BM = Airbag centre	Air bag offset	Order-No.:
	0	1 043 0291 00
	30	2 043 0292 00
	55	1 043 0327 00 1 043 0328 00
	70	2 043 0289 00 2 043 0290 00

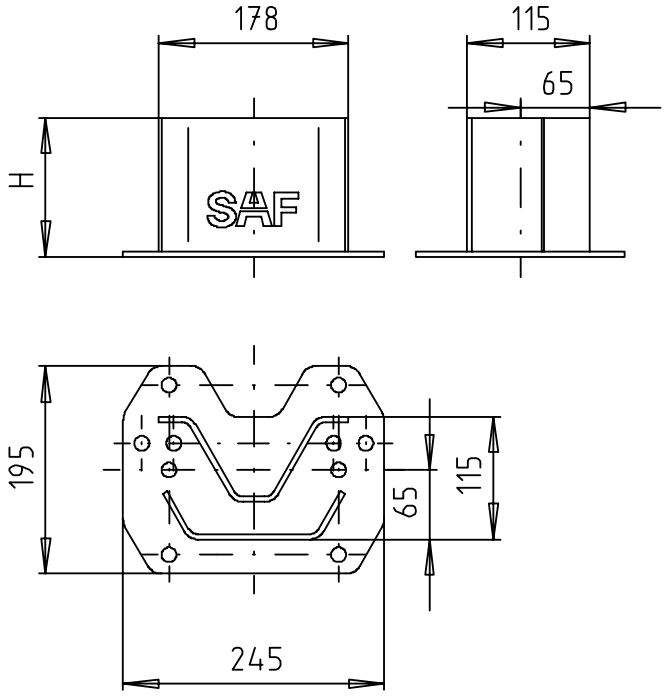
Ref. No.: BEFESTMODUL 020712

Mounting plate + Air Bag brackets

for SAF Air bags



Designation	H (mm)	Order-No.:
Mounting plate “steel”	5	1 043 0261 01
Mounting plate “Alu”	8	1 043 0262 01



Designation	H (mm)	Order-No.:
Air bag bracket “steel”	40	2 237 0070 01
	70	2 237 0071 01
	100	2 237 0080 01
	130	2 237 0072 01
	160	2 237 0073 01
	210	2 237 0074 01
	260	2 237 0075 01

Ref. No.: LUFTFEDERBOCK0696

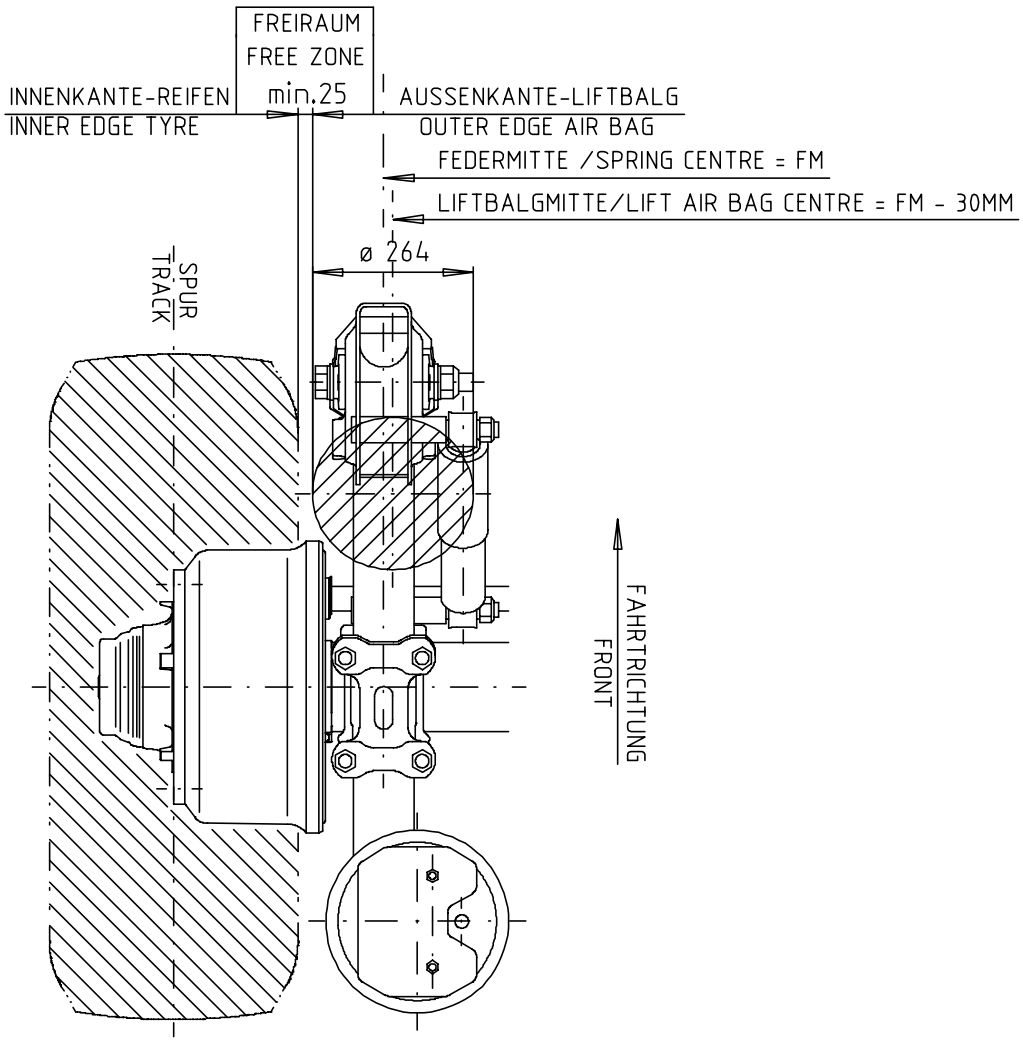
Two-side lift

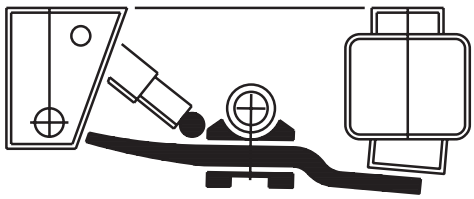
Possible Installation Combinations

Single tyres 22,5“				
Brakes	**Track width**	**Spring centre**	**Tyre size**	
SNK 420 x 180	1970	1200	385/65 R 22.5	425/65 R 22.5
	2040	1200	385/65 R 22.5	425/65 R 22.5
	2040	1300	385/65 R 22.5	425/65 R 22.5
	2090	1300	385/65 R 22.5	425/65 R 22.5
	2090	1400	385/65 R 22.5	-
	2120	1400	385/65 R 22.5	425/65 R 22.5
SNK 420 x 200	1970	1200	385/65 R 22.5	425/65 R 22.5
	2040	1200	385/65 R 22.5	425/65 R 22.5
	2040	1300	385/65 R 22.5	425/65 R 22.5
	2090	1300	385/65 R 22.5	425/65 R 22.5

Other axle combinations must be checked!

Use of 19,5“ tyres possible in combination with two side lifts if the clearance to the ground is taken into account!



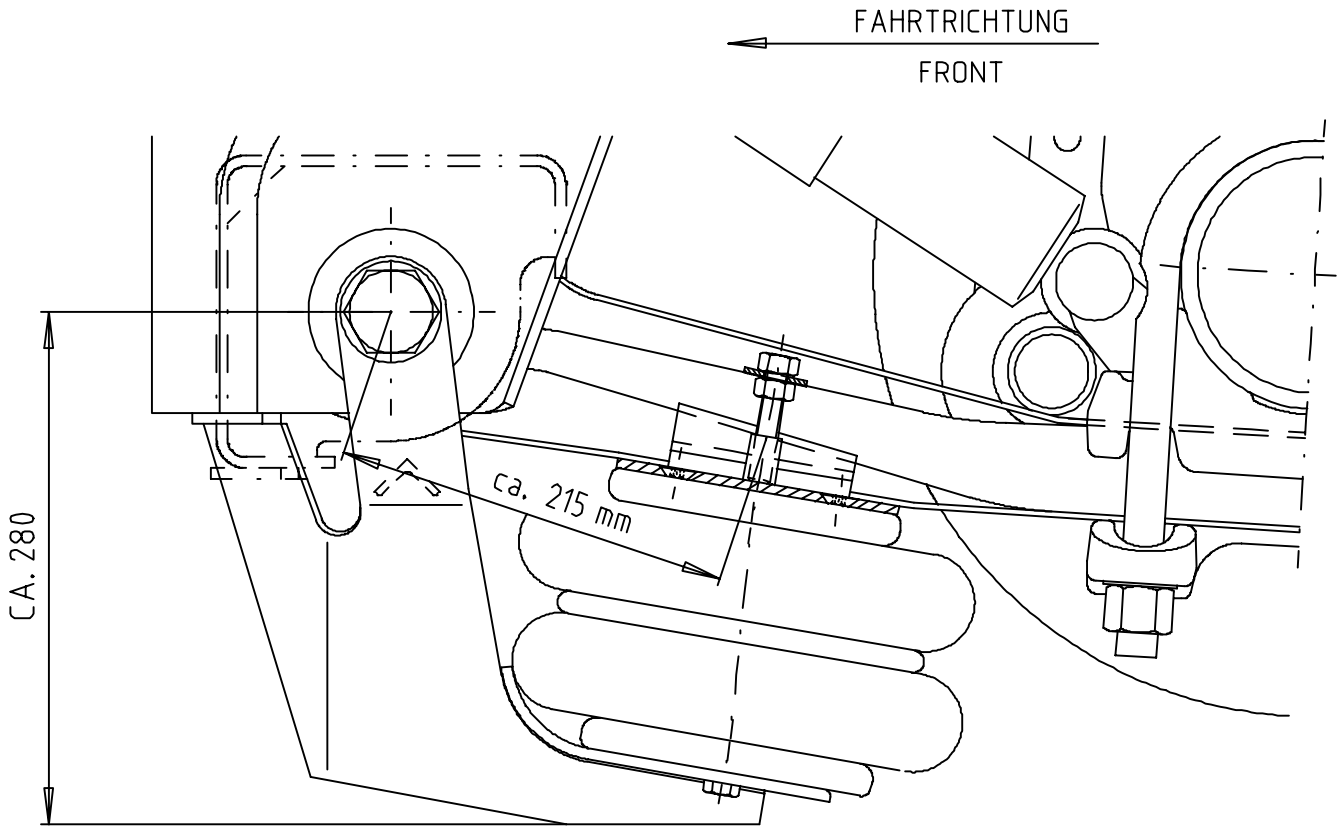


with air bag

SAF 2618 V	
Suspension type	Nominal ride height
U20/2500E29	200
U22/2504E29	220
U24/2904E29	240
U25/2907E29	255
U27/2910E29	270
U30/3510E29	300
U31/3513E29	315
U33/3516E29	330

SAF 2918 V	
Suspension type	Nominal ride height
U20/2500E27	200
U22/2504E27	220
U24/2904E27	240
U25/2907E27	255
U27/2910E27	270
U30/3510E27	300
U31/3513E27	315
U33/3516E27	330

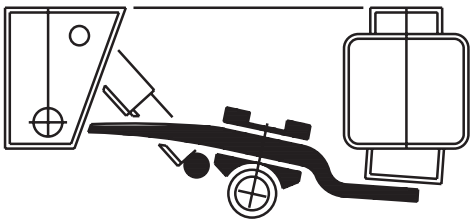
SAF 2923 V	
Suspension type	Nominal ride height
U23/2500E31	230
U25/2504E31	250
U27/2904E31	270
U28/2907E31	285
U30/2910E31	300
U33/3510E31	330
U35/3513E31	350
U36/3516E31	365



LIFT BESTELL-NR.: / ORDER NO.:
3 027 1205 01 HALTEBOCK/HANGER BRACKET
3 027 1206 01 QUERTRAEGER/CROSS MEMBER

Ref. No.: INFO-2SL-U-E

Two-side lift for MODUL series M/E
Mono leaf trailing arm – Drum brake

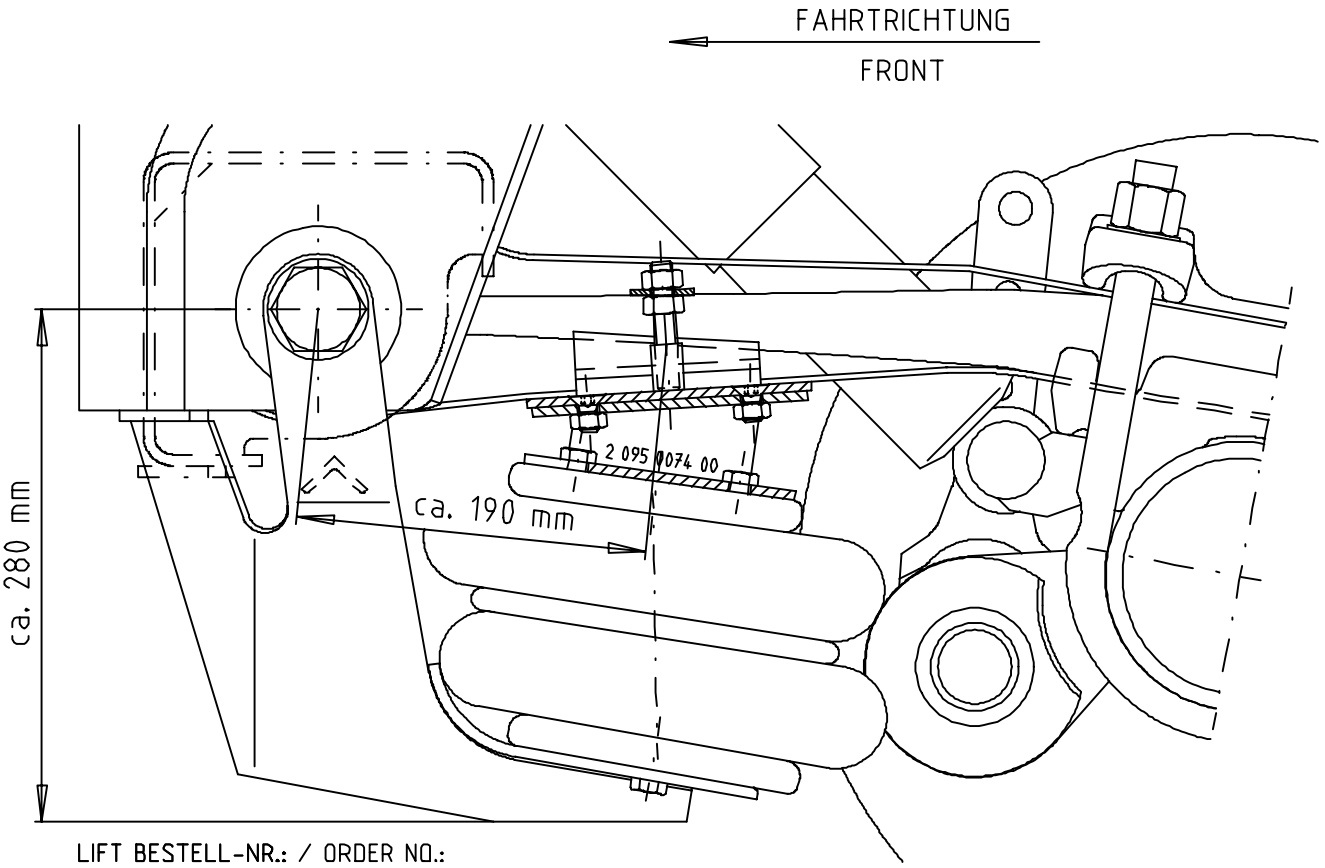


with air bag

SAF 2618 V	
Suspension type	Nominal ride height
M36/2500E29	365
M38/2504E29	385
M40/2904E29	400
M42/2907E29	420
M43/2910E29	435
M46/3510E29	465

SAF 2918 V	
Suspension type	Nominal ride height
M36/2500E27	365
M38/2504E27	385
M40/2904E27	400
M42/2907E27	420
M43/2910E27	435
M46/3510E27	465

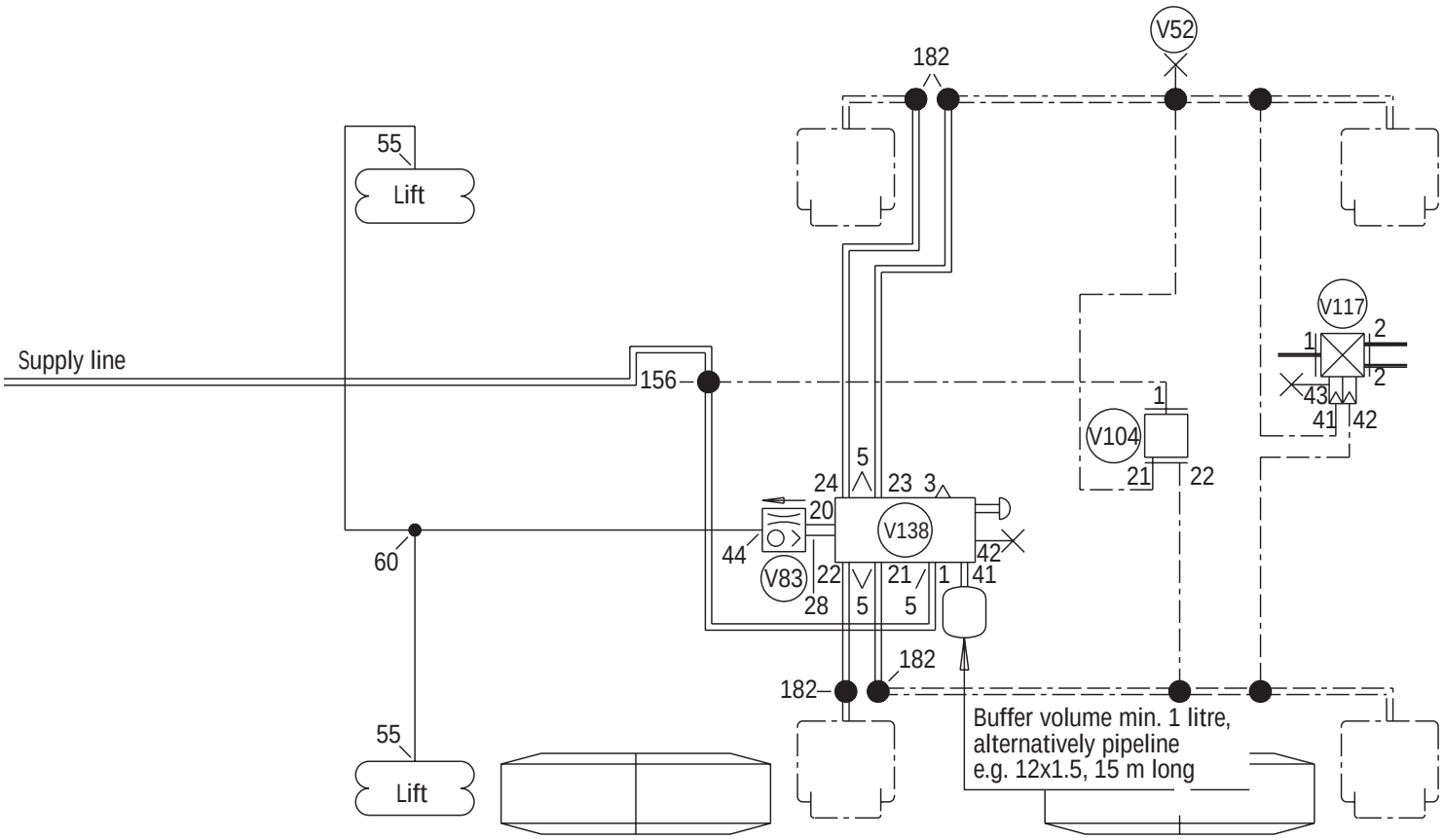
SAF 2923 V	
Suspension type	Nominal ride height
M40/2500E31	400
M42/2504E31	420
M43/2904E31	435
M45/2907E31	455
M47/2910E31	470
M50/3510E31	500



LIFT BESTELL-NR.: / ORDER NO.:
3 027 1236 00 HALTEBOCK/HANGER BRACKET
3 027 1237 00 QUERTRAEGER/CROSS MEMBER

Circuit diagram for two-side lift with lift axle control valve (pneumatically controlled)

For retrofitting



Legends to index:

a = Not our scope of supply (. ... .99)
b = Seal kit (not shown)
d = Setting range 2.5 - 7 bar, set to air bag pressure at nominal axle load (tolerance + 0.3 bar)

—·— = Existing pneumatic system
—— = Pipe 8 x 1
═══ = Pipe 12 x 1.5
---- = Electric cable

(V83) = Devices
42— = Screws
22 = Port designations

Designation	SAF Part No. / Item No.	Quantity	Index
Straight male fitting M 16 x 1.5	4 424 0005 00	5	
Double fitting M 22 x 1.5	28	1	
Straight male fitting M 22 x 1.5	44	1	
Male elbow fitting M 12 x 1.5	55	2	
T-piece coupling	60	1	
T-piece coupling	156	1	
Straight fitting	182	4	
Seal kit for M 22 x 1.5	1001	1	b
Seal kit for M 22 x 1.5	1002	1	b
Seal kit for M 22 x 1.5	1007	1	b
Non-return valve	V4 425 0083 00	1	
Pneumatic lift axle control valve	138	1	d

Circuit diagram - Order No.: 00 53 00 6 02 2 = without fitting No.: 4 424 00.. ..

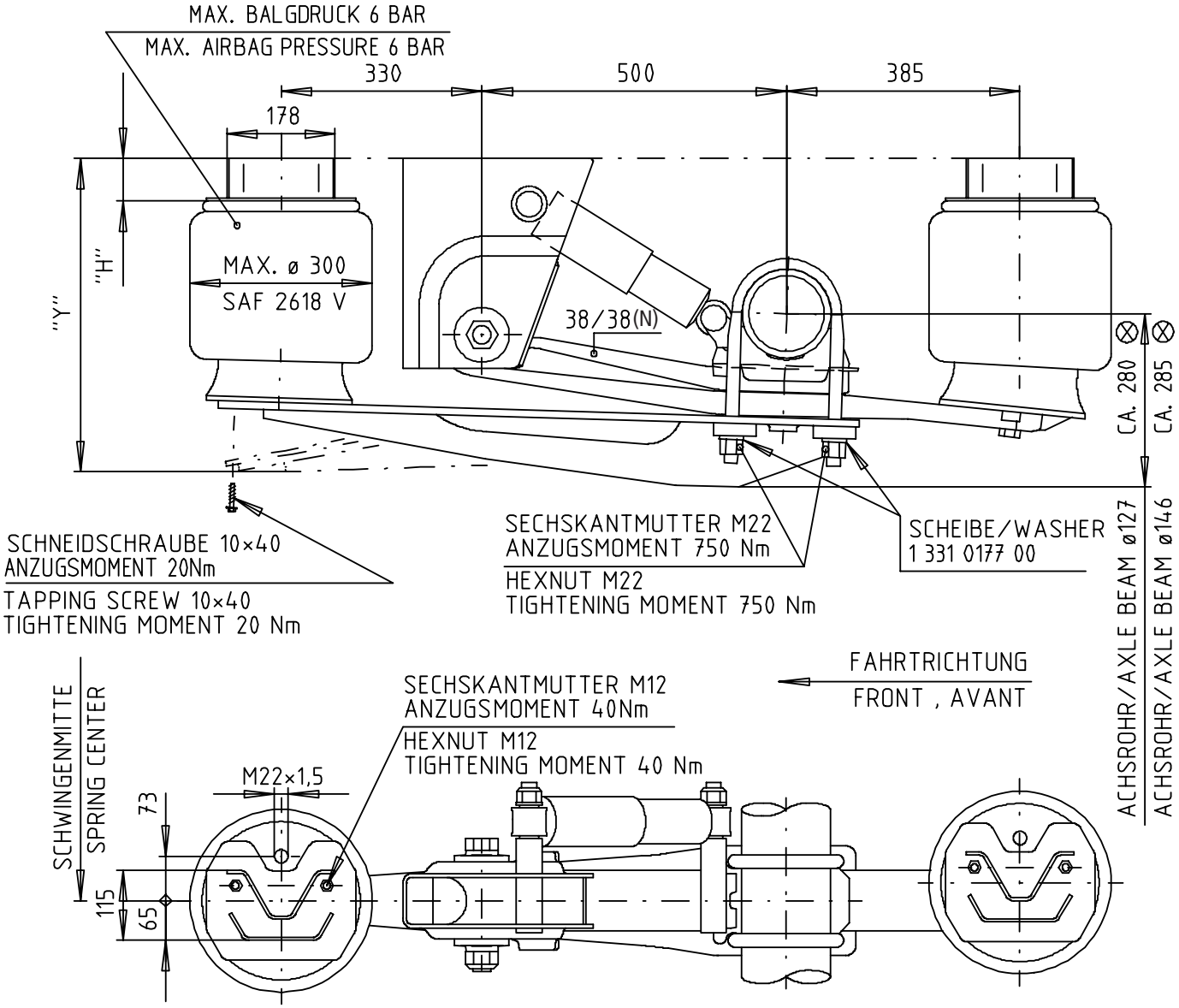
Circuit diagram - Order No.: 00 53 00 3 02 2

Ref. No.: P 0 0000 00094 00

One-side lift
Centre lift

Axle lift “left” for air suspension series U/N – U/S – Drum brake

for axle tube diameter 127/146



X = with trailing arm 43/43 (S) + 10 mm

Weight approx. 40 kg

Lift positioned on left hand side.

When setting the ride height a sufficient lift travel of min. 100 mm should be assured.

Suspension type	Nominal ride height	Dimension ⊗ “Y”	Dimension ⊗ “H”	Order-No. 3 027 .... 00 dia. 127	Order-No. 3 027 .... 00 dia. 146
U20/2500 ▮ 29	200	approx. 485	70	1250	1251
U22/2504 ▮ 29	220	approx. 475	40	1248	1249
U24/2904 ▮ 29	240	approx. 525	70	1250	1251
U25/2907 ▮ 29	255	approx. 515	70	1250	1251
U27/2910 ▮ 29	270	approx. 515	70	1250	1251
U30/3510 ▮ 29	300	approx. 595	130	1254	1255
U31/3513 ▮ 29	315	approx. 585	130	1254	1255
U33/3516 ▮ 29	330	approx. 580	130	1254	1255

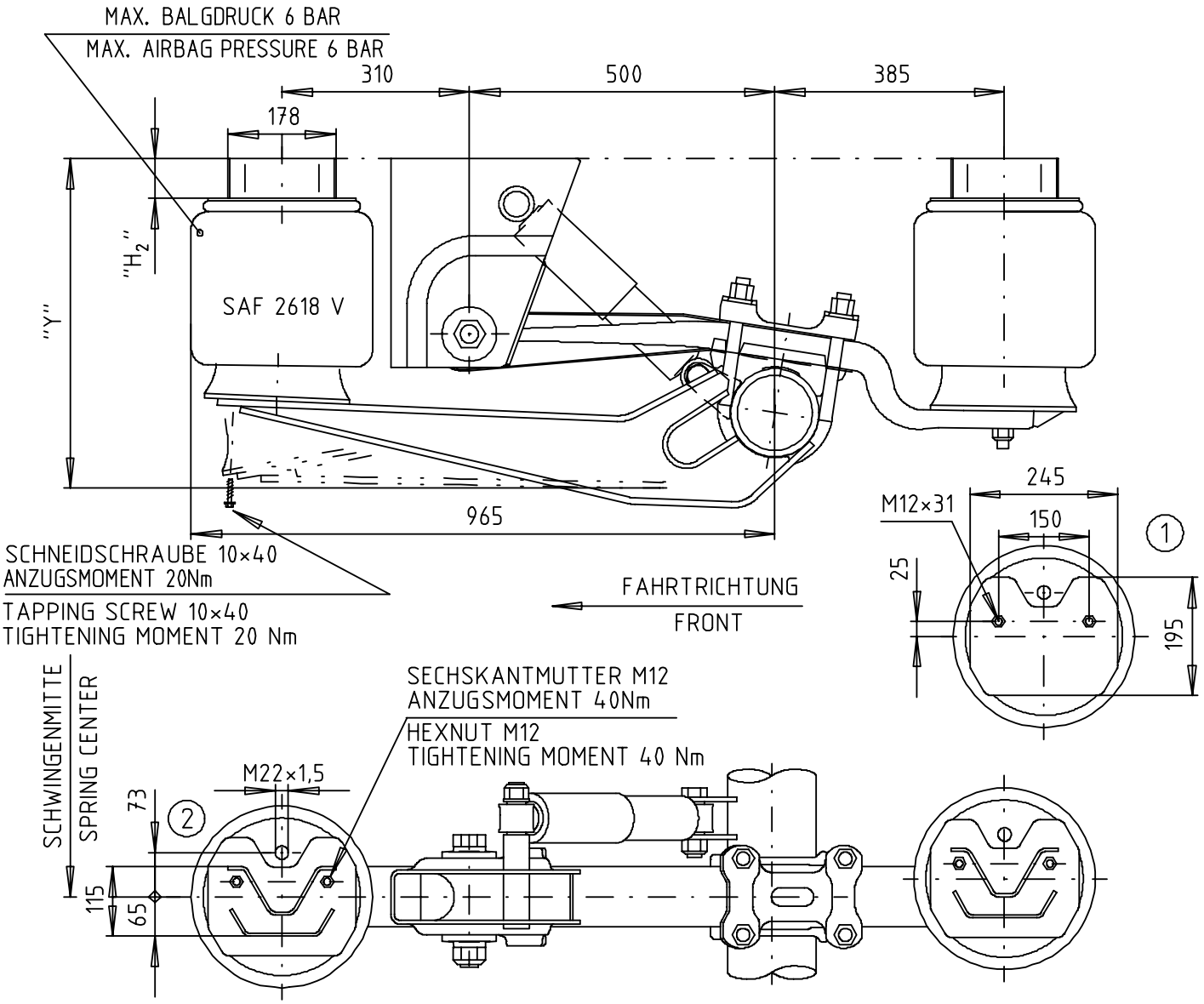
Suspension type	Nominal ride height	Dimension ⊗ “Y”	Dimension ⊗ “H”	Order-No. 3 027 .... 00 dia. 127	Order-No. 3 027 .... 00 dia. 146
U23/2500 ▮ 31	230	approx. 475	40	1248	1249
U25/2504 ▮ 31	250	approx. 485	40	1248	1249
U27/2904 ▮ 31	270	approx. 515	70	1250	1251
U28/2907 ▮ 31	285	approx. 520	70	1250	1251
U30/2910 ▮ 31	300	approx. 530	70	1250	1251
U33/3510 ▮ 31	330	approx. 580	130	1254	1255
U35/3513 ▮ 31	350	approx. 585	130	1254	1255
U36/3516 ▮ 31	365	approx. 595	100	1252	1253

▮ Either trailing arm “N” or “S”

Ref. No.: 6 027 1248 00

Axle lift “left” for air suspension series M – Drum brake

for axle tube diameter 127/146



Weight approx. 32 kg

Lift positioned on left hand side.

– When setting the ride height a sufficient lift travel of min. 100 mm should be assured.
– Specification is not suitable for retrofitting.

Suspension type	Nominal ride height	Dimension “Y”	Dimension “H₂”	Order-No. 3 027 .... 00 dia. 127	Order-No. 3 027 .... 00 dia. 146
M36/2500 ▮ 29	365	approx. 495	40 ②	1208	1209
M38/2504 ▮ 29	385	approx. 510	40 ②	1208	1209
M40/2904 ▮ 29	400	approx. 535	70 ②	1210	1211
M42/2907 ▮ 29	420	approx. 545	70 ②	1210	1211
M43/2910 ▮ 29	435	approx. 555	70 ②	1210	1211
M46/3510 ▮ 29	465	approx. 595	130 ②	1212	1213

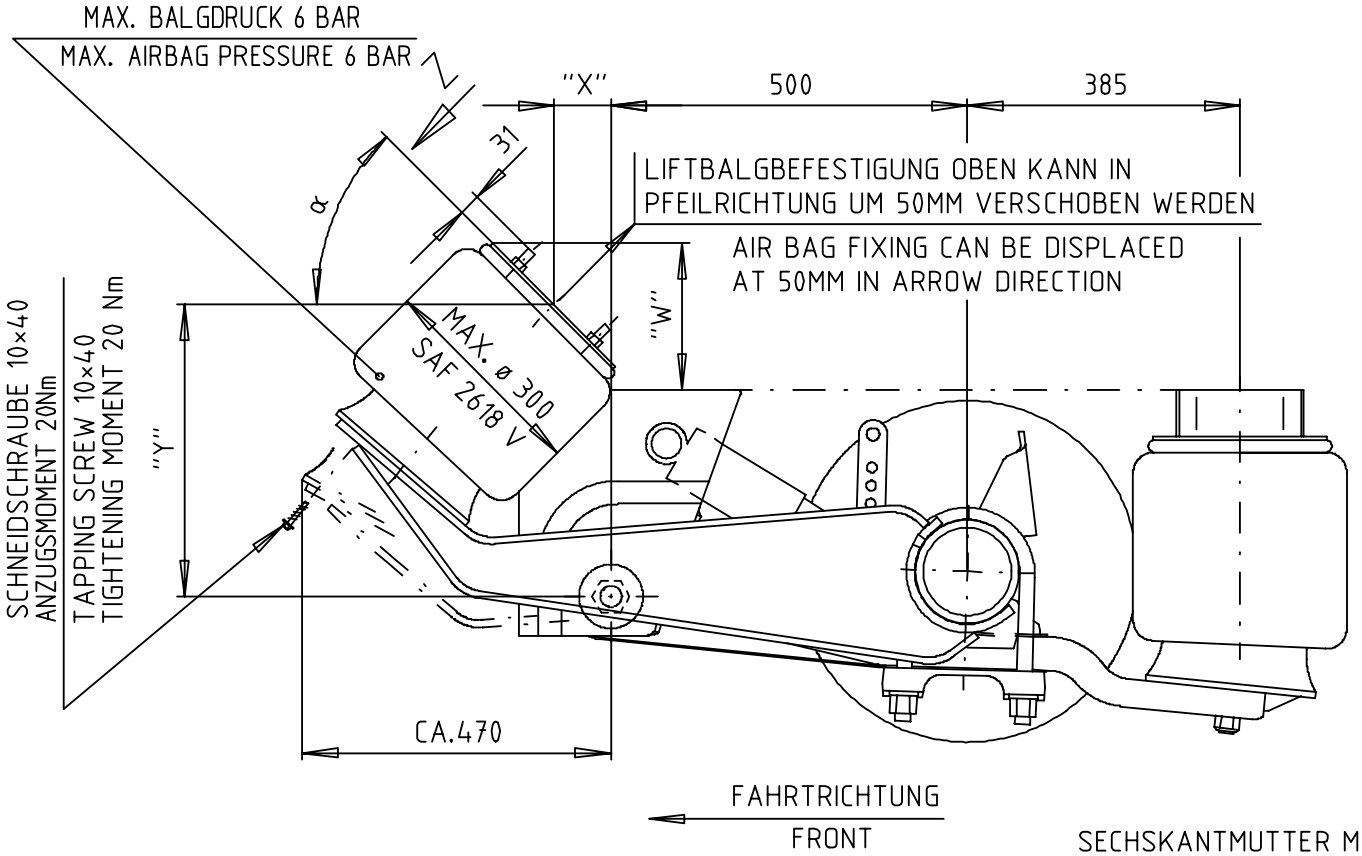
Suspension type	Nominal ride height	Dimension “Y”	Dimension “H₂”	Order-No. 3 027 .... 00 dia. 127	Order-No. 3 027 .... 00 dia. 146
M40/2500 ▮ 31	400	approx. 510	40 ②	1208	1209
M42/2504 ▮ 31	420	approx. 520	5 ①	1206	1207
M43/2904 ▮ 31	435	approx. 550	70 ②	1210	1211
M45/2907 ▮ 31	455	approx. 560	40 ②	1208	1209
M47/2910 ▮ 31	470	approx. 570	40 ②	1208	1209
M50/3510 ▮ 31	500	approx. 615	130 ②	1212	1213

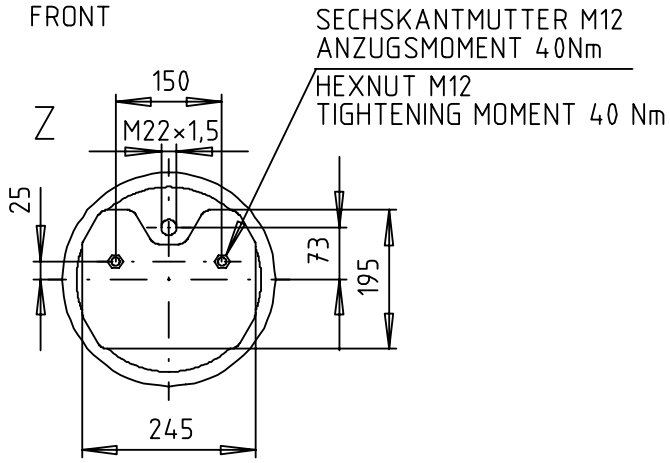
▮ Either trailing arm “E”, “N” or “S”

Ref. No.: 6 027 1206 00

"Centre" axle lift for air suspension series U

for axle tube diameter 127/146





Weight approx. 32 kg

Order-No:

With steel fixing plate of lift bag
Axle Ø 127 = 03 027 1192 00
Axle Ø 146 = 03 027 1193 00

With Alu fixing plate of lift bag
Axle Ø 127 = 03 027 1218 00
Axle Ø 146 = 03 027 1219 00

When setting the ride height a sufficient lift travel of min. 100 mm should be assured.

Suspension type	Nominal ride height	Dimension			
		"X"	"Y"	"α"	"W"
U20/2500 ▮ 29	200	90	400	45°	approx. 240
U22/2504 ▮ 29	220	80	410	45°	approx. 250
U24/2904 ▮ 29	240	90	400	45°	approx. 200
U25/2907 ▮ 29	255	80	410	45°	approx. 210
U27/2910 ▮ 29	270	70	420	45°	approx. 220
U30/3510 ▮ 29	300	90	400	45°	approx. 135
U31/3513 ▮ 29	315	80	410	45°	approx. 145
U33/3516 ▮ 29	330	70	420	45°	approx. 155

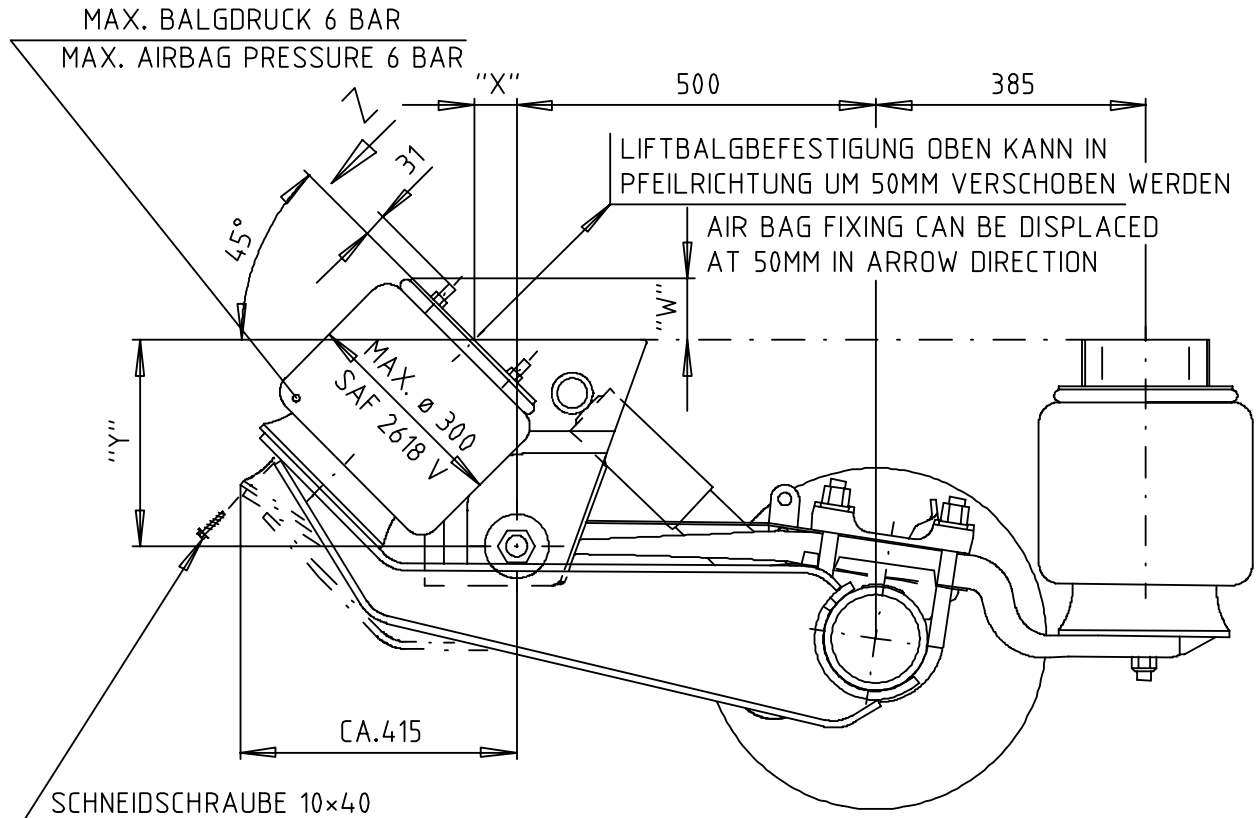
Suspension type	Nominal ride height	Dimension			
		"X"	"Y"	"α"	"W"
U23/2500 ▮ 31	230	50	415	50°	approx. 260
U25/2504 ▮ 31	250	40	420	50°	approx. 265
U27/2904 ▮ 31	270	50	415	50°	approx. 220
U28/2907 ▮ 31	285	40	420	50°	approx. 225
U30/2910 ▮ 31	300	35	430	50°	approx. 235
U33/3510 ▮ 31	330	50	415	50°	approx. 155
U35/3513 ▮ 31	350	40	420	50°	approx. 160
U36/3516 ▮ 31	365	35	430	50°	approx. 170

▮ Either trailing arm "E", "N" or "S"

Ref. No.: 6 027 1192 00

"Centre" axle lift for air suspension series M

for axle tube diameter 127/146



Weight approx. 32 kg

Order-No:

With steel fixing plate of lift bag
Axle Ø 127 = 03 027 1192 00
Axle Ø 146 = 03 027 1193 00

With Alu fixing plate of lift bag
Axle Ø 127 = 03 027 1218 00
Axle Ø 146 = 03 027 1219 00

When setting the ride height a sufficient lift travel of min. 100 mm should be assured.

Suspension type	Nominal ride height	Dimension "X"	"Y"	"W"
M36/2500 ▮ 29	365	65	285	approx. 125
M38/2504 ▮ 29	385	60	290	approx. 130
M40/2904 ▮ 29	400	65	285	approx. 85
M42/2907 ▮ 29	420	60	290	approx. 90
M43/2910 ▮ 29	435	55	295	approx. 95
M46/3510 ▮ 29	465	65	285	approx. 20

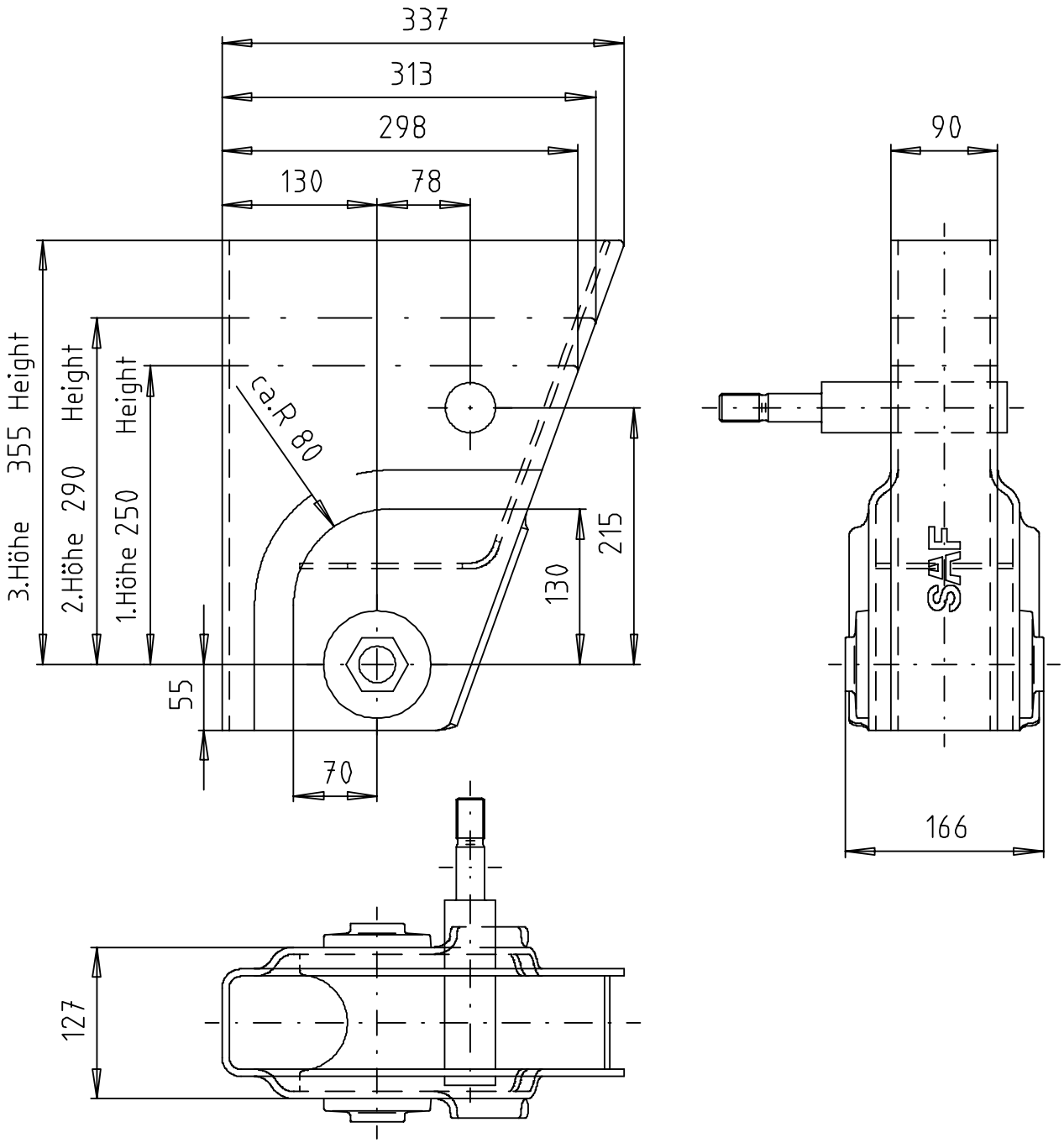
Suspension type	Nominal ride height	Dimension "X"	"Y"	"W"
M40/2500 ▮ 31	400	45	305	approx. 145
M42/2504 ▮ 31	420	40	310	approx. 150
M43/2904 ▮ 31	435	45	305	approx. 105
M45/2907 ▮ 31	455	40	310	approx. 110
M47/2910 ▮ 31	470	35	315	approx. 115
M50/3510 ▮ 31	500	45	305	approx. 40

▮ Either trailing arm "E", "N" or "S"

Ref. No.: 6 027 1204 00

Installation Recommendations

Hanger bracket geometry for fixed bearing



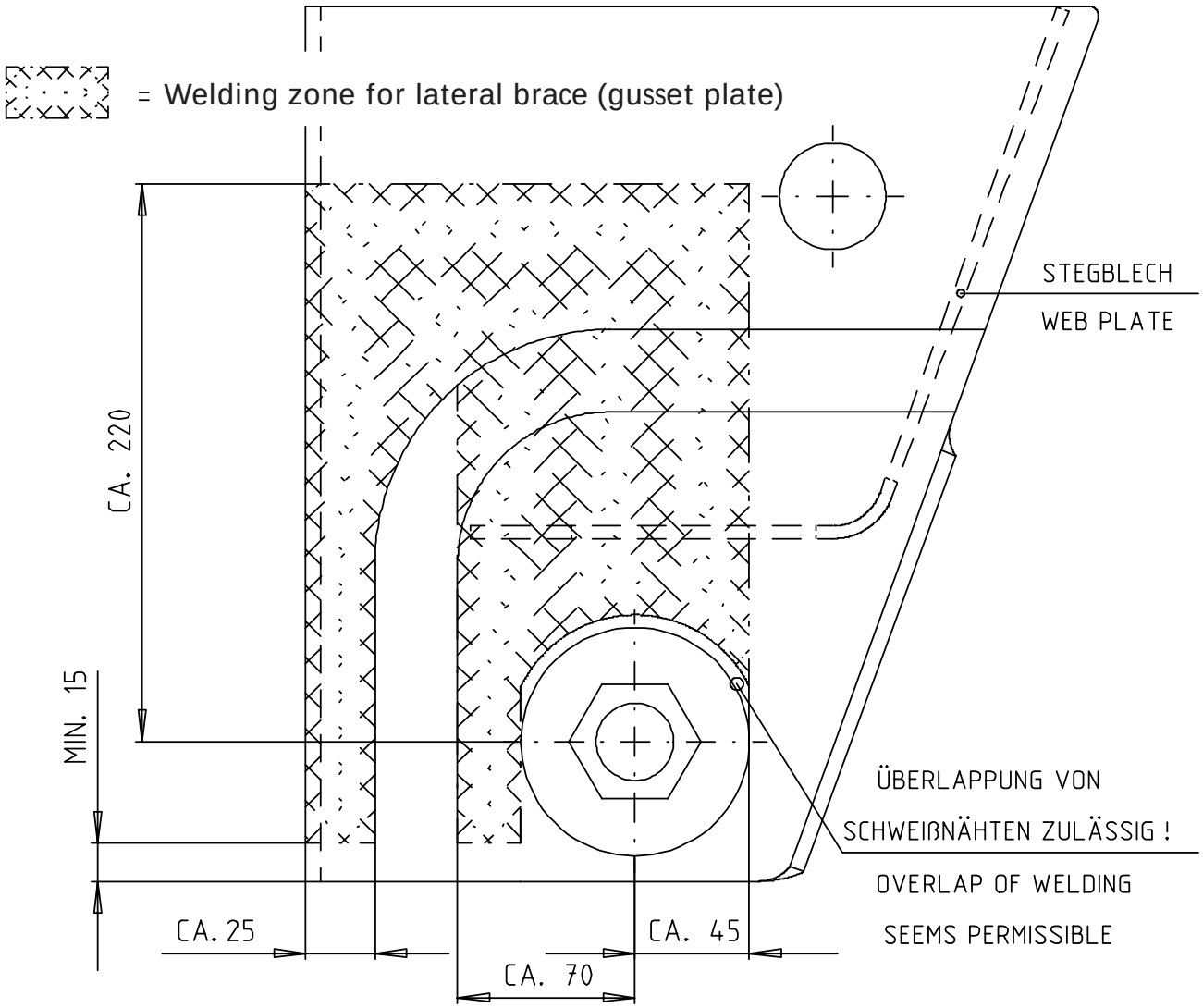
Ref. No.: MODULBOCK020702

CONTENTS

Installation instructions for lateral hanger bracket brace / fixed spring bearing

The lateral brace (gusset plate) must be attached to the spring hanger as low as possible.

Overlapping of the gusset plate and inner brace plate is necessary to avoid any diaphragm effect.



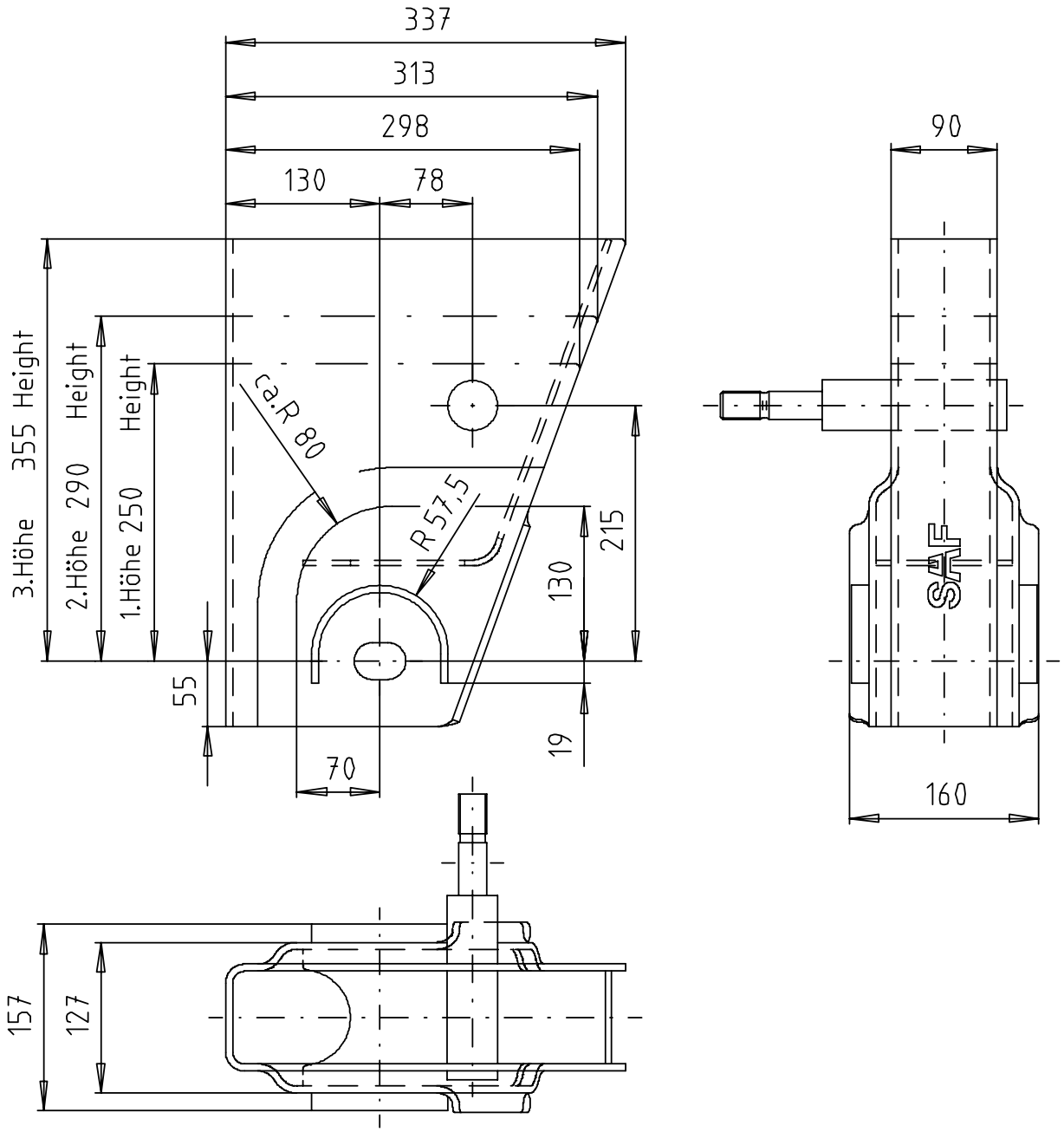
Ref. No.: MODULBOCK020701

CONTENTS

Hanger bracket geometry for adjustable bearing

The lateral brace (gusset plate) must be attached to the spring hanger as low as possible.

Overlapping of the gusset plate and inner brace plate is necessary to avoid any diaphragm effect.



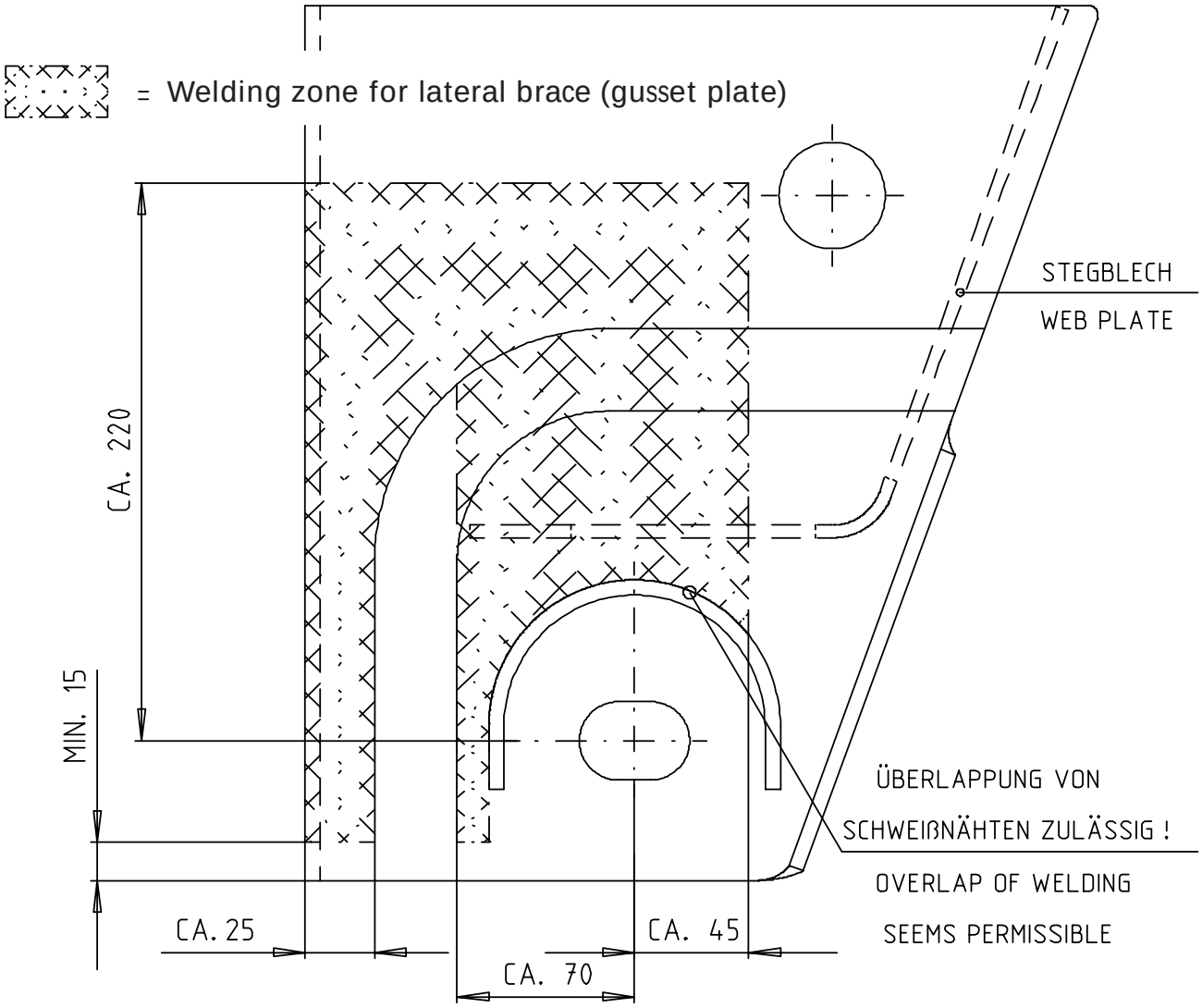
Ref. No.: MODULBOCK020704

CONTENTS

Installation instructions for lateral hanger bracket brace / adjustable spring bearing

The lateral brace (gusset plate) must be attached to the spring hanger as low as possible.

Overlapping of the gusset plate and inner brace plate is necessary to avoid any diaphragm effect.



Ref. No.: MODULBOCK020703

CONTENTS

for hanger brackets of steel, SAF air suspension series U / M / O

Welding recommendation

The high-tensile steel used for the hanger brackets with a carbon content C of max. 0.2% can be easily welded. Special welding electrodes are therefore not required.

Cover the trailing arm to protect it from flying sparks. In order to avoid bearing damage, the welding equipment ground cable must not be connected either to the wheel or to the wheel hub with brake drum.

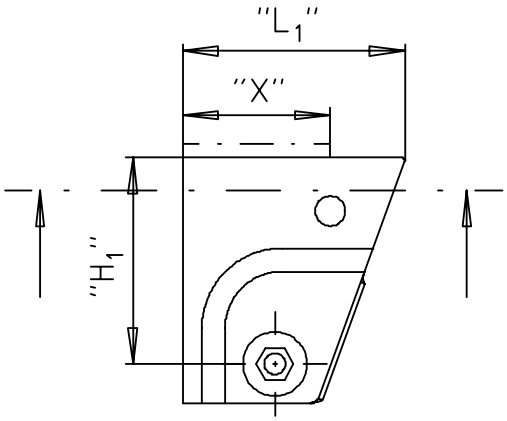
Design information

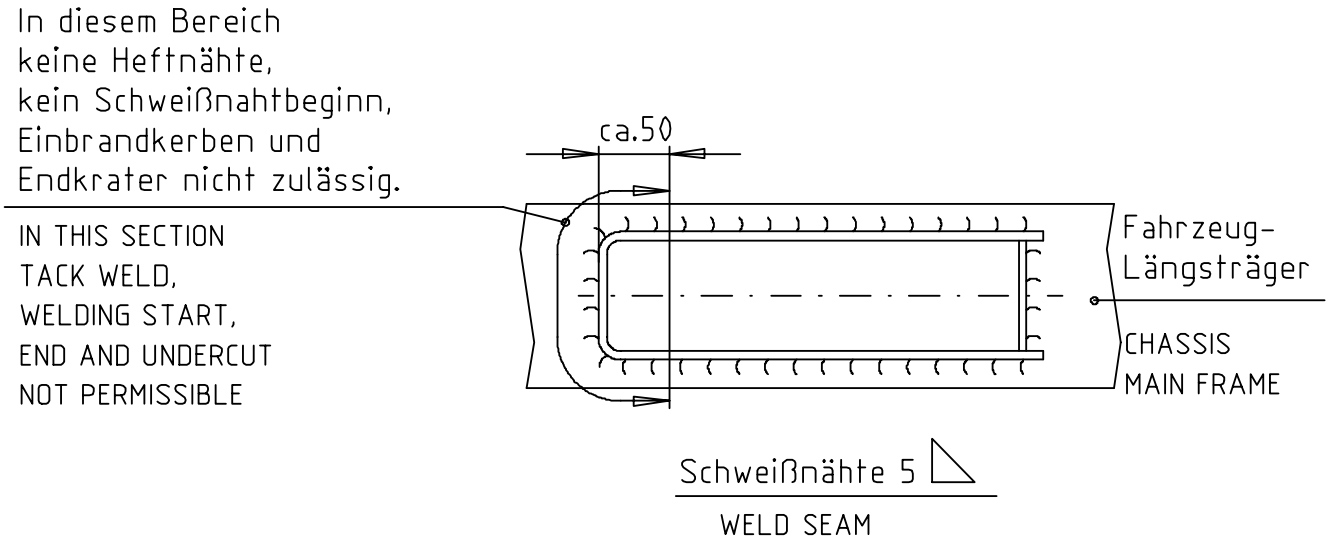
The vehicle frame must be reinforced so that it can absorb the forces to which it is exposed.

Important note

Ensure that the gap between the hanger bracket and chassis in the area “X” is kept small!

Dimension „H_1“	Dimension „L_1“
250	298
290	313
355	337





Ref. No.: 0 183 0003 00

CONTENTS

for cross members, SAF air suspension series U / M / O

Welding recommendation

The high-tensile steel used for the hanger brackets with a carbon content C of max. 0.2% can be easily welded. Special welding electrodes are therefore not required.

Cover the trailing arm to protect it from flying sparks. In order to avoid bearing damage, the welding equipment ground cable must not be connected either to the wheel or to the wheel hub with brake drum.

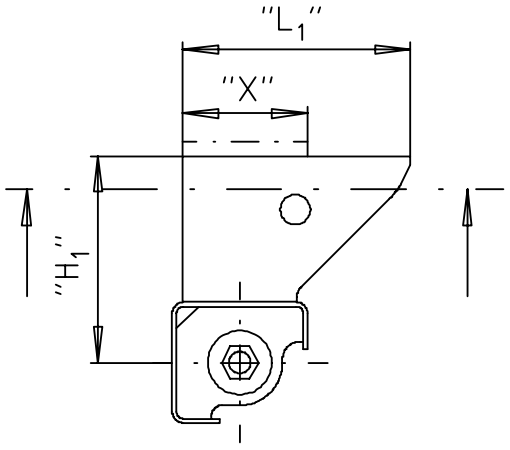
Design information

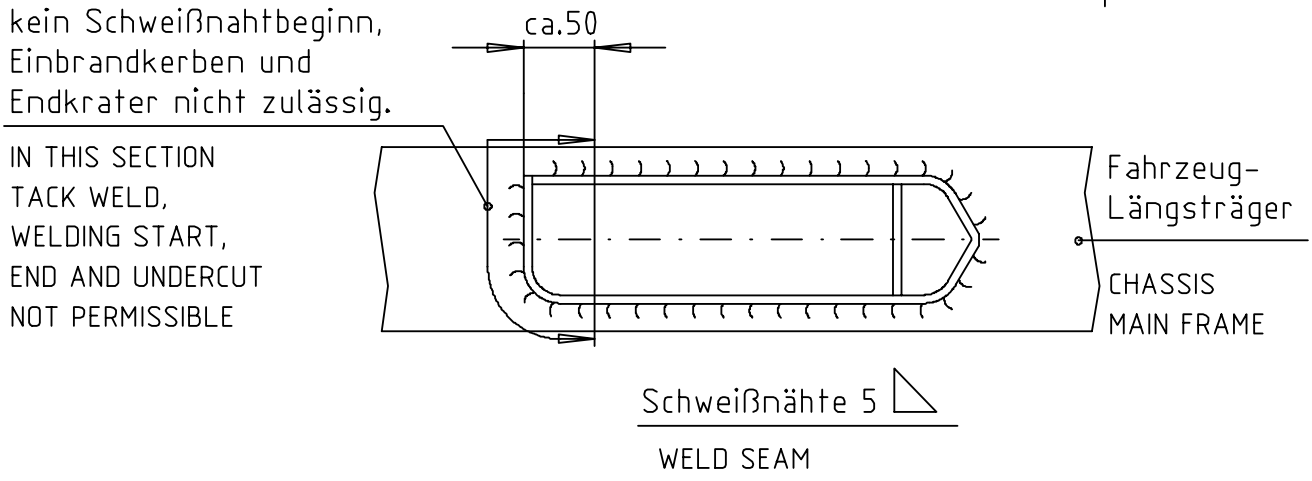
The vehicle frame must be reinforced so that it can absorb the forces to which it is exposed.

Important note

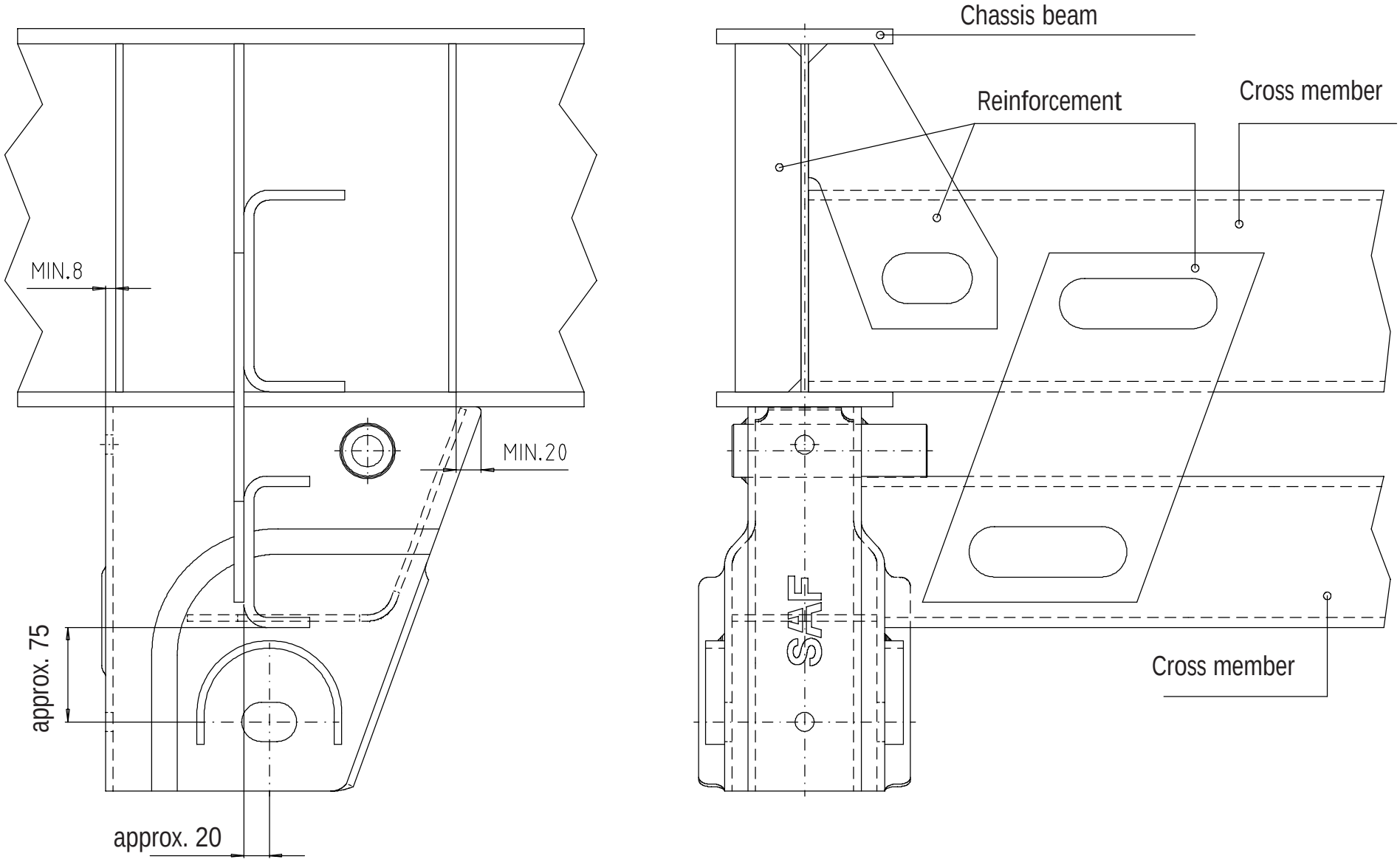
Ensure that the gap between the hanger bracket and chassis in the area “X” is kept small!

Dimension „H_1“	Dimension „L_1“
250	280
290	320
355	385





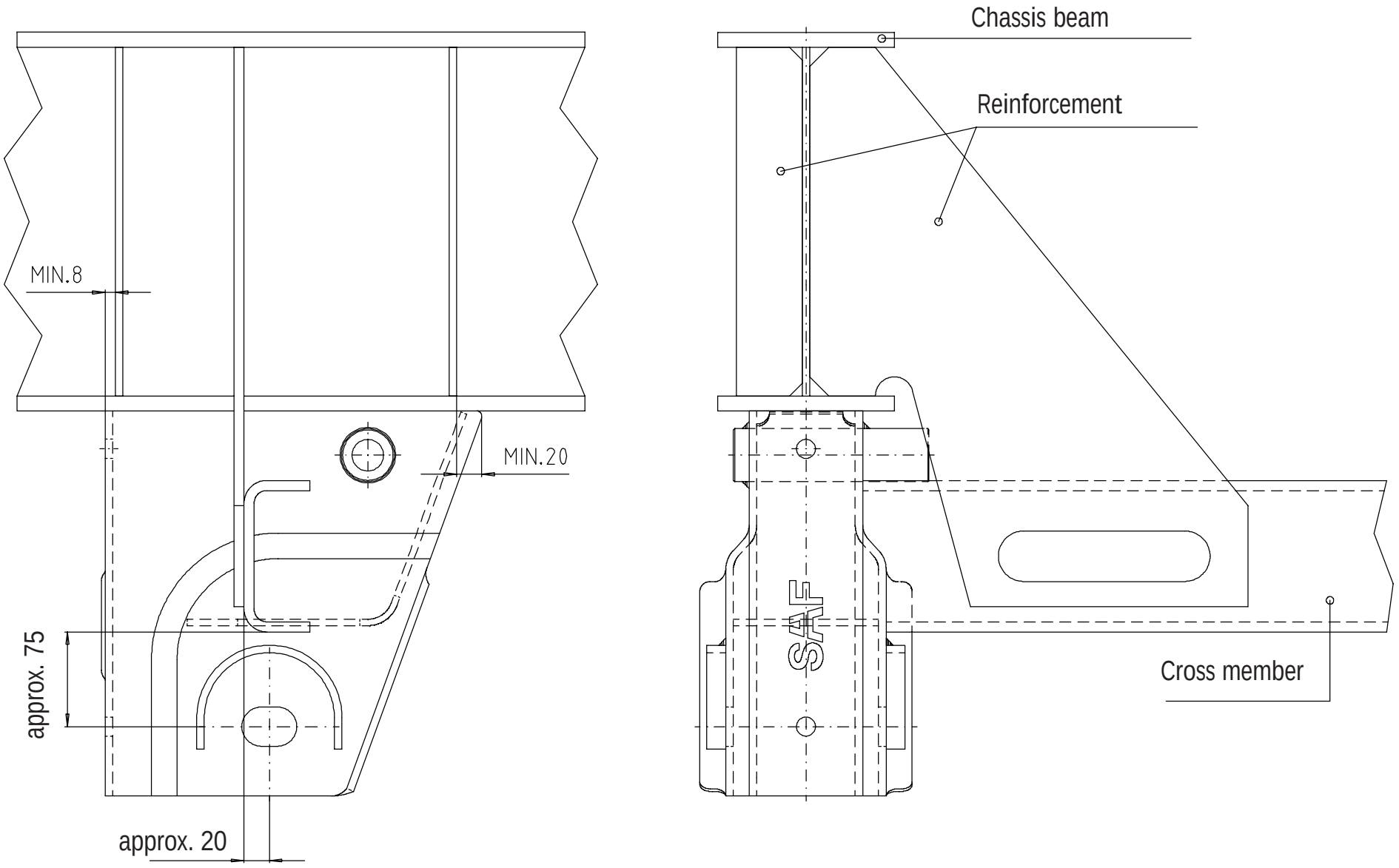
Bracing recommendations – Hanger bracket “steel”



Hanger bracket welding instructions see page 0 183 0003 00

The design and dimensioning of the hanger bracket reinforcement is the responsibility of the vehicle manufacturer, allowing for the type and operating conditions of the vehicle.

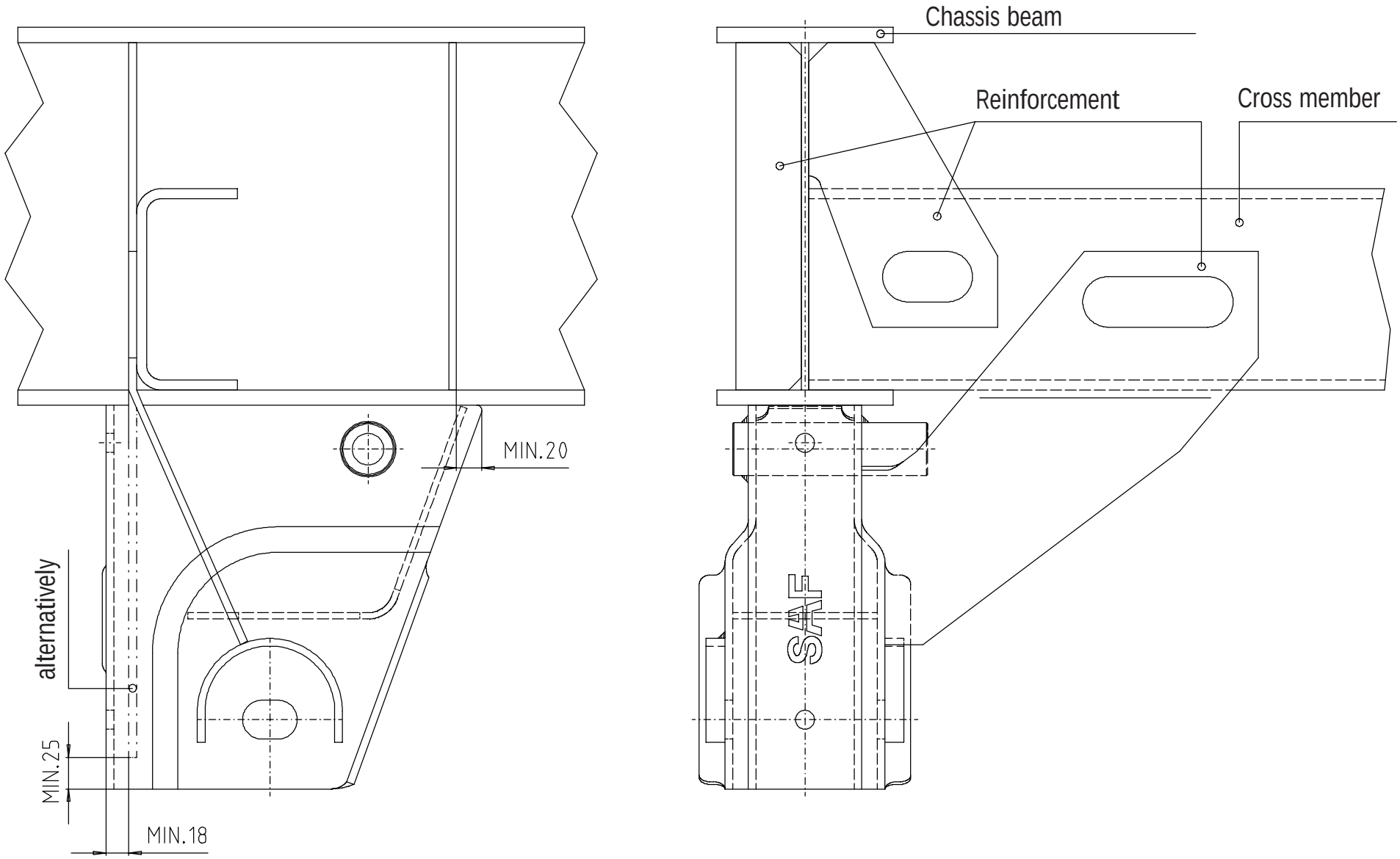
Bracing recommendations – Hanger bracket “steel”



Hanger bracket welding instructions see page 0 183 0003 00

The design and dimensioning of the hanger bracket reinforcement is the responsibility of the vehicle manufacturer, allowing for the type and operating conditions of the vehicle.

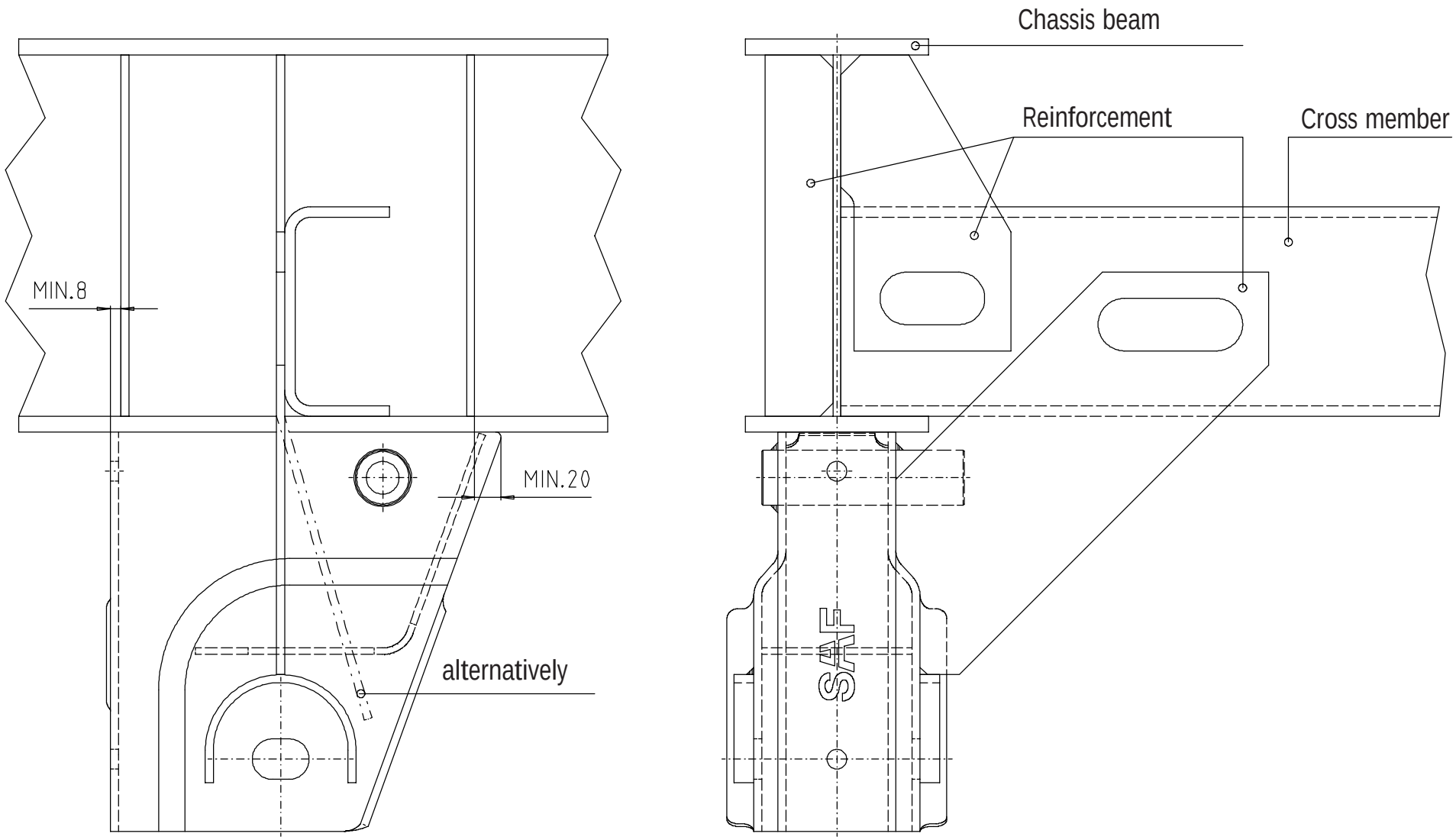
Bracing recommendations – Hanger bracket “steel”



Hanger bracket welding instructions see page 0 183 0003 00

The design and dimensioning of the hanger bracket reinforcement is the responsibility of the vehicle manufacturer, allowing for the type and operating conditions of the vehicle.

Bracing recommendations – Hanger bracket “steel”



Hanger bracket welding instructions see page 0 183 0003 00

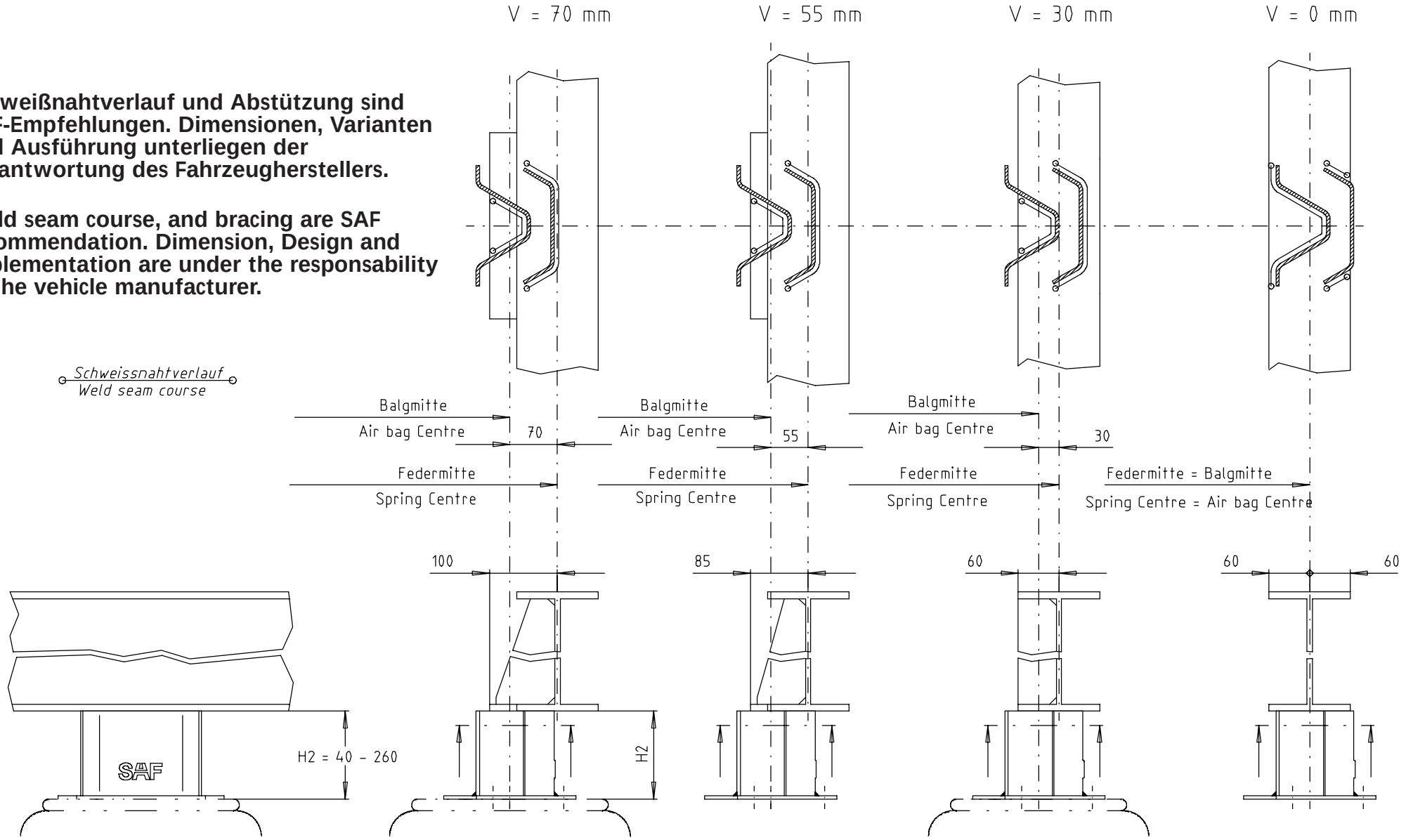
The design and dimensioning of the hanger bracket reinforcement is the responsibility of the vehicle manufacturer, allowing for the type and operating conditions of the vehicle.

Welding recommendation – Air bag bracket

SAF Standard Air Bag Offsets V

Schweißnahtverlauf und Abstützung sind SAF-Empfehlungen. Dimensionen, Varianten und Ausführung unterliegen der Verantwortung des Fahrzeugherstellers.

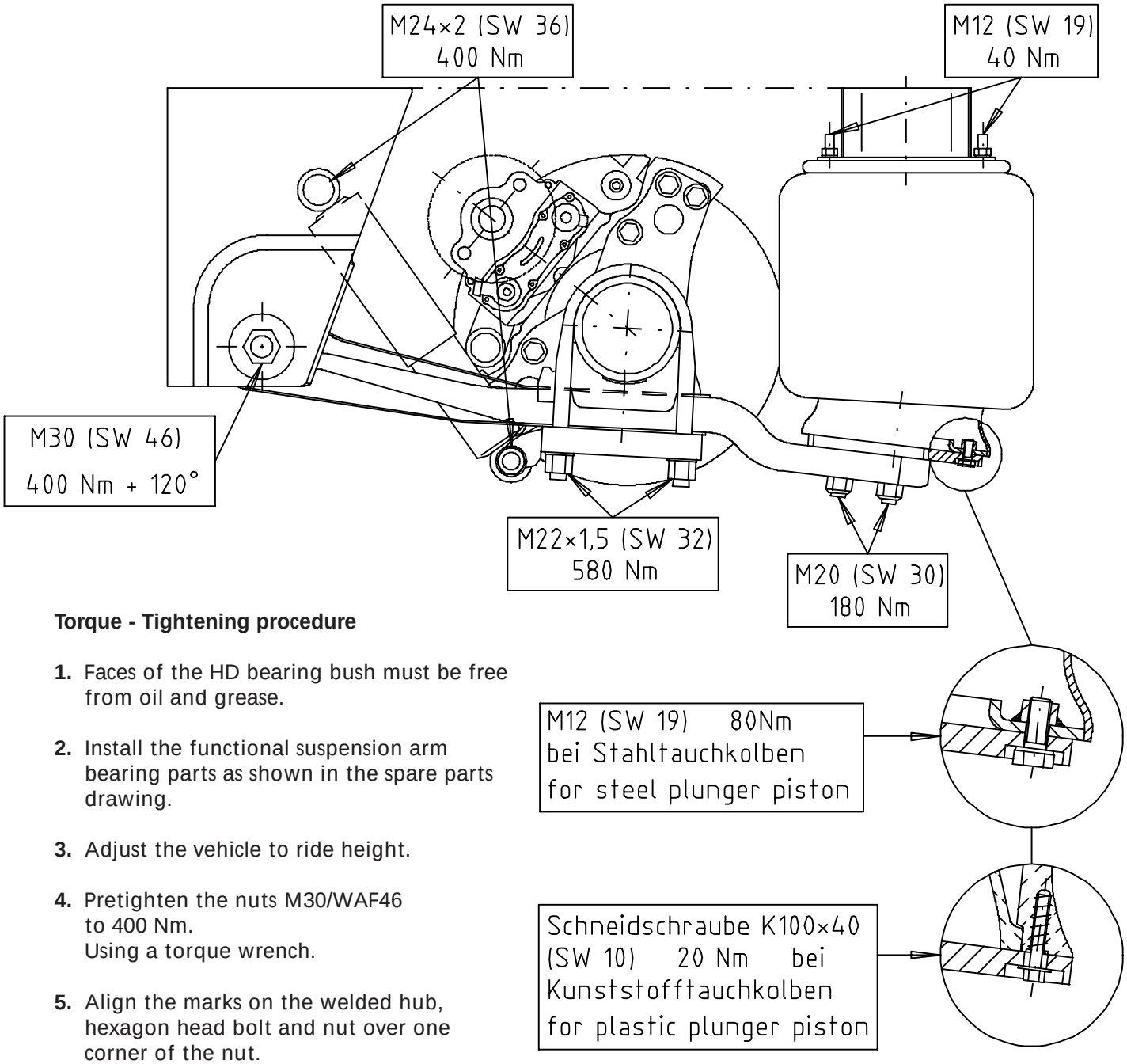
Weld seam course, and bracing are SAF recommendation. Dimension, Design and implementation are under the responsability of the vehicle manufacturer.



Tightening torques

Tightening torques for suspension arms – shock absorbers – air bags

The max. coat thickness of any primer or paint must not exceed 45 µm on any contact surfaces of the suspension arm and shock absorber fixation!



Torque - Tightening procedure

1. Faces of the HD bearing bush must be free from oil and grease.
2. Install the functional suspension arm bearing parts as shown in the spare parts drawing.
3. Adjust the vehicle to ride height.
4. Pretighten the nuts M30/WAF46 to 400 Nm.
   Using a torque wrench.
5. Align the marks on the welded hub, hexagon head bolt and nut over one corner of the nut.
6. Tighten the nut a further 120º (2 nut corners), holding the bolt head to prevent the bolt from turning with the nut.
7. Perform a visual check. Correct the turn angle, if necessary.
8. Make marks with a counterpunch on the welded hub, hexagon head bolt and nut in a line after completing the tightening procedure.

Attention!

- **Threads are not to be oiled or greased!**
- **Spring bearing for steel hanger brackets maintenance free**
- **spring bearing for aluminium hanger brackets to be checked after 500 km, further check after every 6000 km. Inspection torque 1200 Nm.**

Ref. No.:TD 00004 005 00

Sling

When to install stroke limit devices

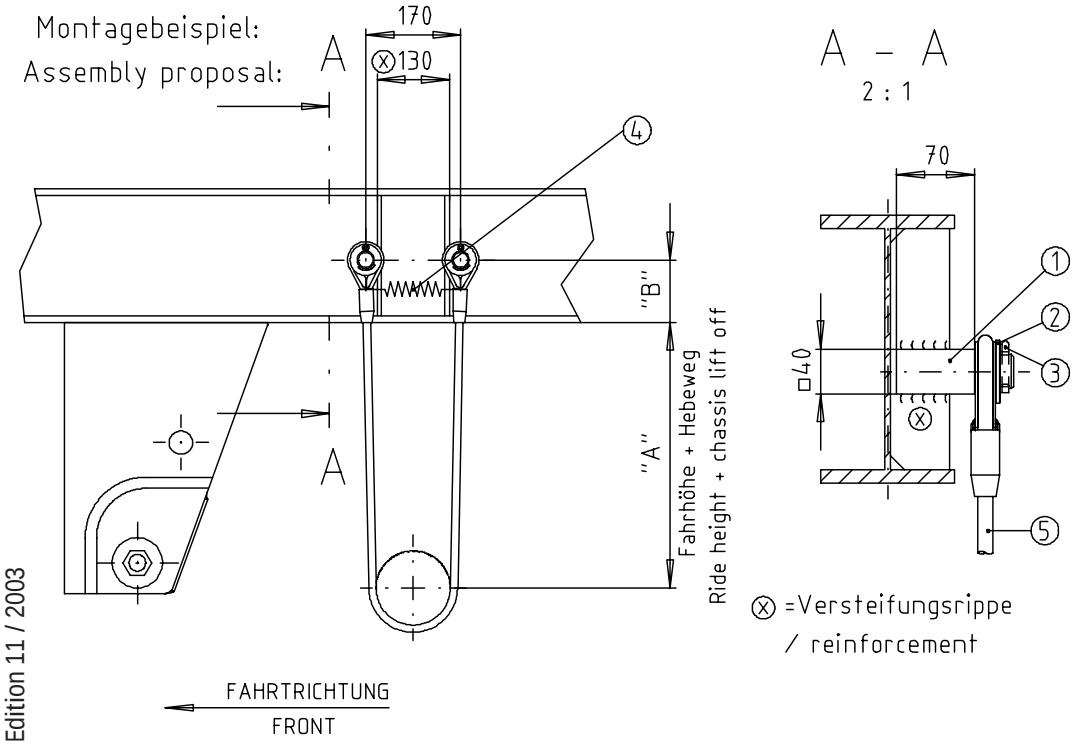
In general SAF air suspensions so not require stroke limit devices.

Exceptions:

Operating conditions	Slings	Height limiting valve
Raise- and lowering device (e.g. adapting trailer to bank heights/demountable body systems)	⇨ **REQUIRED** (Altern. Slings)	**NOT REQUIRED** when raise/lower valve with **DEADMAN HANDLE** is fitted
Roll On / Roll Off applications		
⇨ with air pressure in bags	⇨ **REQUIRED**	
⇨ without air pressure in bags (in combination with special quick release valve)	⇨ **REQUIRED** (stroke has to be limited before the rubber part of the bag leaves the piston)	
Quick Discharging e.g. Coil Trailers		
⇨ with raise and lowering device (discharging in RAISED position)	⇨ **REQUIRED**	
Ferry Operation		
⇨ with air pressure in bags	⇨ **REQUIRED**	
⇨ without air pressure in bags (in combination with special quick release valve)	⇨ **REQUIRED** (stroke has to be limited before the rubber part of the bag leaves the piston)	

Sling installation for air suspension modular system – Axle tube diameter 127 / 133

The top fixing is to be positioned in such a way that the loosened sling does not rub against the axle. The axle must hang centric to the tightened sling to achieve an even load over the top fixing.



Order-No.: ⑤ Sling	Sling length	Ride height + Lift travel Dimension "A"	Dimension "B" dia. 127	Dimension "B" dia. 133
1 154 0032 00	1600	655 595 555	40 90 140	35 85 135
1 154 0018 00	1400	555 495 455	40 90 140	35 85 135
1 154 0031 00	1200	455 395 355	40 90 140	35 85 135
1 154 0035 00	1000	355 295 255	40 90 140	35 85 135

All dimension in mm

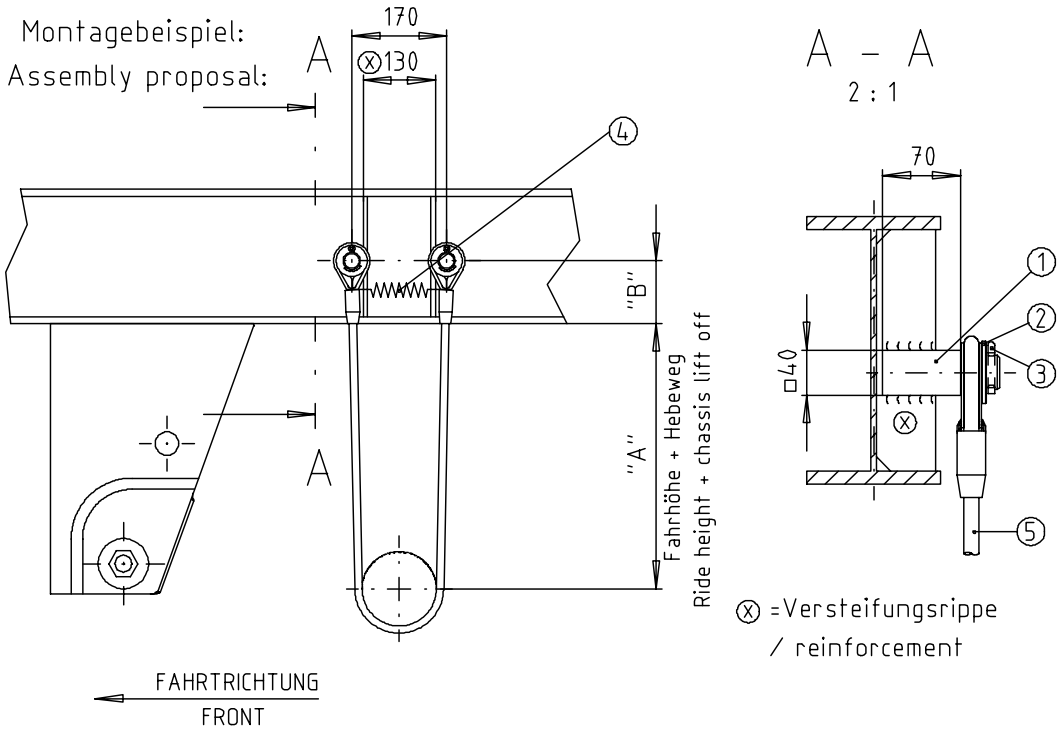
Dimension "B" is to be interpolated for intermdeiate value dimension "A"!

Fixing parts assy. per sling ref. no. 3 044 1035 00 consisting of:

Designation	Order-No.:	Quantity	Pos.
Spring	1 447 0037 00	1x	4
Pin 6,3x45 DIN 94	4 353 0031 00	2x	3
Washer A31 DIN 125	4 331 1008 00	2x	2
Bolt	1 214 0051 00	2x	1

Sling installation for air suspension modular system – Axle tube diameter 146

The top fixing is to be positioned in such a way that the loosened sling does not rub against the axle. The axle must hang centric to the tightened sling to achieve an even load over the top fixing.



Order-No.: ⑤ Sling	Sling length	Ride height + Lift travel Dimension "A"	Dimension "B" dia. 146
1 154 0032 00	1600	645 595 545	35 85 135
1 154 0018 00	1400	545 495 445	35 85 135
1 154 0031 00	1200	445 395 345	35 85 135
1 154 0035 00	1000	345 295 245	35 85 135

All dimension in mm

Dimension "B" is to be interpolated for intermdeiate value dimension "A"!

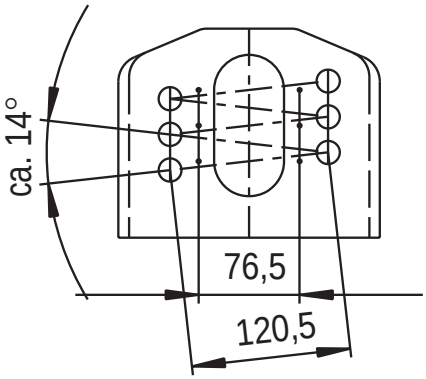
Fixing parts assy. per sling ref. no. 3 044 1035 00 consisting of:

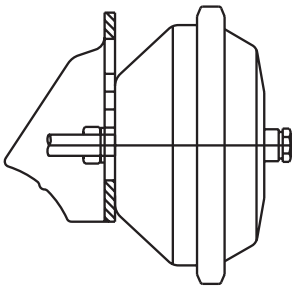
Designation	Order-No.:	Quantity	Pos.
Spring	1 447 0037 00	1x	4
Pin 6,3x45 DIN 94	4 353 0031 00	2x	3
Washer A31 DIN 125	4 331 1008 00	2x	2
Bolt	1 214 0051 00	2x	1

Brake chamber fixing
Drum Brake

Mounting of diaphragm brake cylinders and spring-loaded brake cylinders on SAF axles

Connection of diaphragm cylinders to standard baseplates

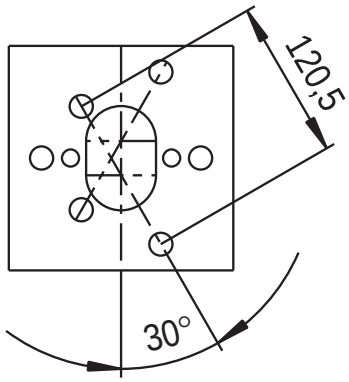


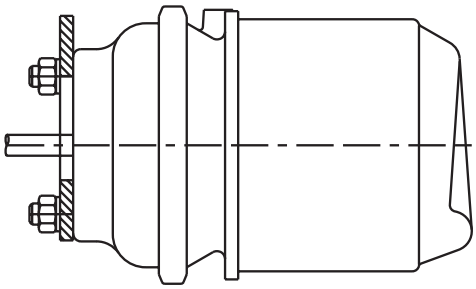


Position of the mounting bolts:

- Distance between hole lines 120.5 mm at an angle of approx. 7° from the horizontal
- Distance between hole lines 76.5 mm not required on axles with axle load > 6,000 kg

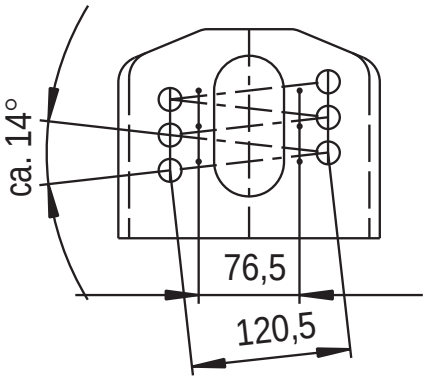
Connection of spring-loaded brake cylinders to special baseplates

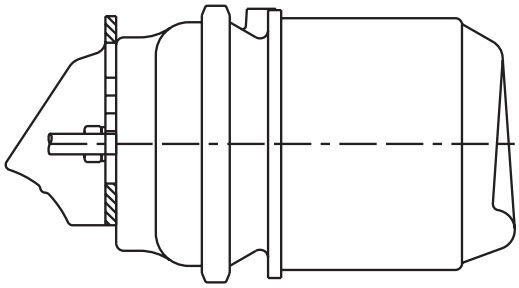




Position of the mounting bolts at an angle of 30° to the vertical!

Connection of spring-loaded brake cylinders to standard baseplates





Position of the mounting bolts:

- Distance between hole lines 120.5 mm at an angle of approx. 7° from the horizontal
- Distance between hole lines 76.5 mm not required on axles with axle load > 6,000 kg

The SAF baseplates are sufficiently well dimensioned to take spring-loaded brake cylinders where the manufacturer permits installation with the mounting bolts horizontal.
The flatness of the baseplates when new complies with the specifications of the brake cylinder manufacturers, a reinforcing plate to strengthen the baseplate is not necessary.

Observe the installation instructions of the brake cylinder manufacturers.
A major factor for the serviceability of the brake cylinders and baseplates is compliance with the specified tightening torques and regular checking of the torque.

In conjunction with axle suspensions, please contact SAF to obtain approval for installation due to the larger space requirement of spring-loaded brake cylinders where approval is not automatically given.

Ref. No.: TIAN.03.0602A

Further

Number of teeth classified per axle type

With the availability of disc brakes with disc diameter of 377 mm for 19.5” and 22.5” tyres, the teeth of the exiter ring should allow the use of both tyre sizes.

SAF has chosen the universal number of teeth 90. This number covers the tyre sizes from 245 / 70 R 19.5” twin to 425 / 65 R 22.5” single.

Number of teeth classified per axle:

Teeth	Axle type	Tyre size
90	SK RS 9019 / SK RZ 9019 SK RS 11019 / SK RZ 11019 SK RS 9037 / SK RZ 9037 SK RS 11037 / SK RZ 11037 SK RB 9019 SK RB 9022	19.5” 19.5” 19.5” 19.5” 19.5” / 22.5” 22.5”
100	SK RS 9022 / SK RZ 9022 SK RS 11222 / SK RZ 11222 SK RS 9042 / SK RZ 9042 SK RS 11242 / SK RZ 11242 SK RS 12242 / SK RZ 12242	22.5” 22.5” 22.5” 22.5” 20” / 22.5” / 24”
80	SK RZ 9030 SK RZ 11030 SK RZ 12030	17.5” 17.5” 17.5”

Information on surface coating of SAF components

Corrosion protection of SAF products

- Axle beams and functional suspension arms with cathodic hot-dip coating, alternatively 2 component coating, colour black RAL 9005.
- All bolts and fittings with dacromet coating, colour grey metallic.
- Front hanger brackets with 2-component coating, colour black RAL 9005.
- Wheel contact surface: Thin cathodic hot-dip coating, coat thickness max. 30 µm, colour black RAL 9005, alternatively transparent temporary corrosion protection (not removed before munting of wheel).

Cathodic hot-dip coating (KTL)

The coat thickness is max. 45 µm.

Features:

- Complete corrosion protection in all areas of the component
- High surface hardness with uniform coat thickness
- Can be painted over with all single-component or 2-component top coats
- Top coat not necessary is gloss is not of paramount importance

2-component priming

Primer coat for additional top coat
Coat thickness is max. 45 µm.

Dacromet coating

Corrosion protection with sliding properties
Protection min. 480 hours in salt spray test to DIN 50021

Treatment during axle and suspension installation

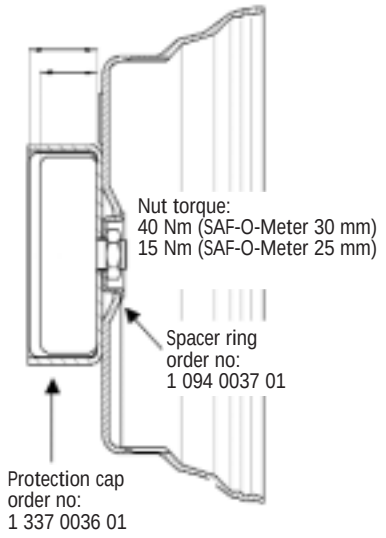
- In principle, hot-dip coating and 2-component primers can be welded.

  SAF recommends, however, that these coats be removed in the area of weld seams.
- All contact surfaces of the spring suspension bolts and shock absorber bolts must not have additional primer or paint coatings
- Wheel contact surfaces must not be painted

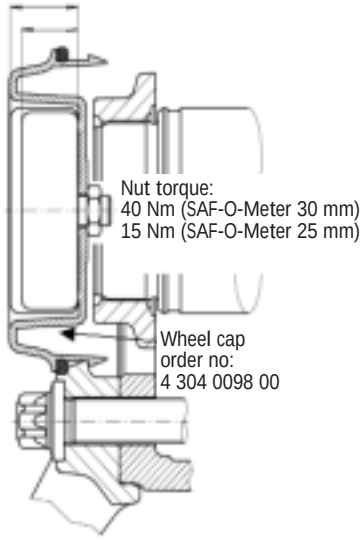
Fitting Instruction

Please check before fitting whether you have received the SAF-O-Meter suitable to your tyre size!

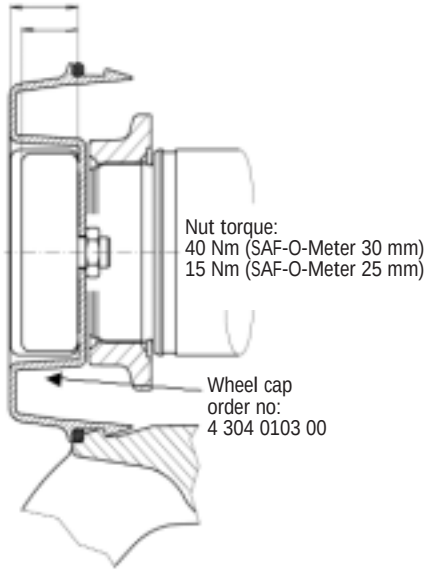
Installation in SAF SK axle types for wheels with a rim offset of 0 mm, e.g. SKRS 9042



Installation in SAF SK axle types for wheels with a rim offset of 120 mm, e.g. SKRB 9022



Installation in SAF SK axle types for wheels with a rim offset of 120 mm, e.g. SKRB 9022 ....I (I=*INTEGRAL*)



The three sketches show depending on the axle types on which the SAF-O-Meter is fitted in the wheel caps. It is not important on which side of the vehicle it is fitted as the counter functions independently of the direction of the covered distance.

Designation:

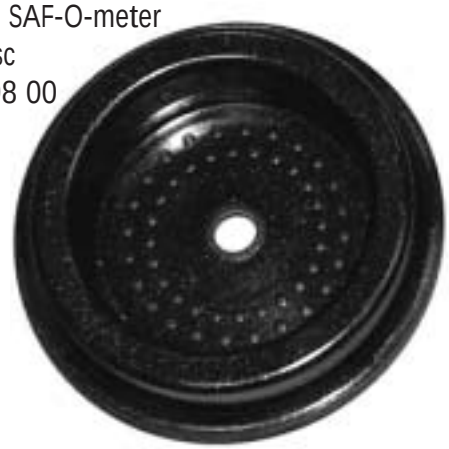
rolling circumference	3420 - 3560	3185 - 3315	3125 - 3250	2980 - 3060	2850 - 2970	2655 - 2765	2590 - 2690	2360 - 2455
tyre size	425/65 R 22.5	385/65 R 22.5	11 R 22.5 295/80 R 22.5	385/55 R 22.5	425/55 R 19.5	445/45 R 19.5	265/70 R 19.5	245/70 R 17.5 235/75 R 17.5
axle load	10,000 kg	9,000 kg	10,000 kg / 11,000 kg	9,000 kg	9,000 kg	8,000 kg	10,000 kg	10,000 kg / 11,000 kg
SAF-O-meter order no.	4 388 0349 00	4 388 0325 00	4 388 0319 00	4 388 0304 00	4 388 0291 00	4 388 0271 00	4 388 0264 00	4 388 0241 00

for axle types:
SK RB 9019 / 9022 cupped disc
SK RB 9019 I / 9022 I (*INTEGRAL* disc)

Wheel cap standard
cupped disc
4 304 0093 00

Wheel cap standard
INTEGRAL disc
4 304 0102 00

Wheel cap SAF-O-meter
cupped disc
4 304 0098 00



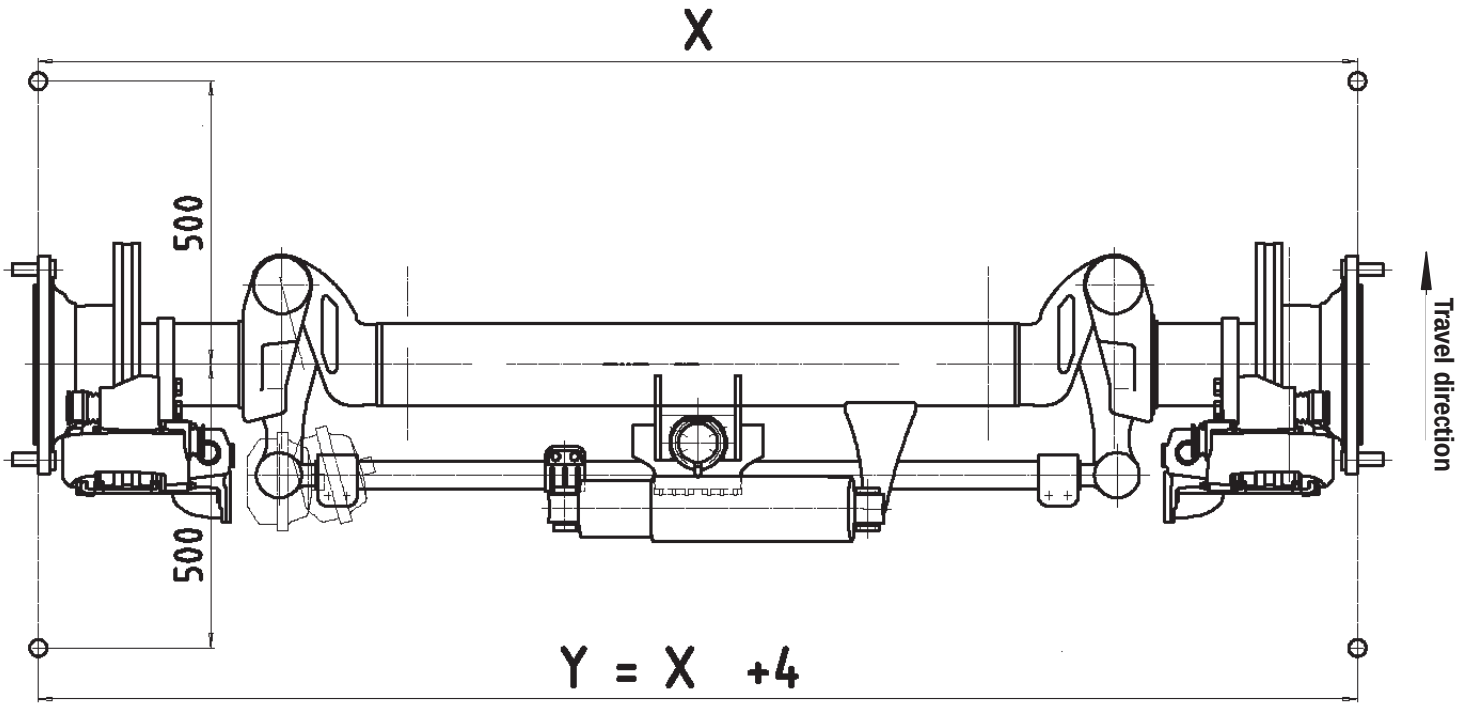
Wheel cap SAF-O-meter
INTEGRAL disc
4 304 0103 00

Depiction: Wheel cap 4 304 0103 00
INTEGRAL disc
with SAF-O-Meter

Ref. No.: 030206-TECHN INFO-Radkappen SK RB 9019-9022

CONTENTS

SAF self-steering axle with stabilising damper



Design and Functional features

- **Design Features**

  The self-steering function is particular to this axle design.

  The self-steering effect is triggered by the pivot point located at the front of the axle. When driving around a curve, the required steering moment comes from the lateral force and the lever arm of the displaced (to the front) pivot point. The integrated spiral springs of the stabilising damper ensure the wheels return to the “straight ahead” position.

  A tie rod connects the left-hand to the right-hand side of the axle to translate the turing movement to both sides.

  The track of the steering axle is guided by the path of the fixed axles installed either in front or behind.

  A steering (reverse) lock ensures that, when reversing, the steering movement is prevented and keeps the axle in the “straight ahead” position (fixed).

- **Functional Features**

  The stabilising damper
  - takes the function of both stabilising and damping when driving straight ahead and around curves.
  - when negotiating curves, the integrated spiral springs compensate the lateral forces and guarantee jerk-free steering while assisting the return of the wheels to the “straight ahead” position.
  - suppresses high-frequency vibrations and prevents fluttering of the steering.
  - both spring and amper forces guarantee uniform steering in the “straight ahead” position.

The rie rod ensures that the left and right wheel synchronously steer.

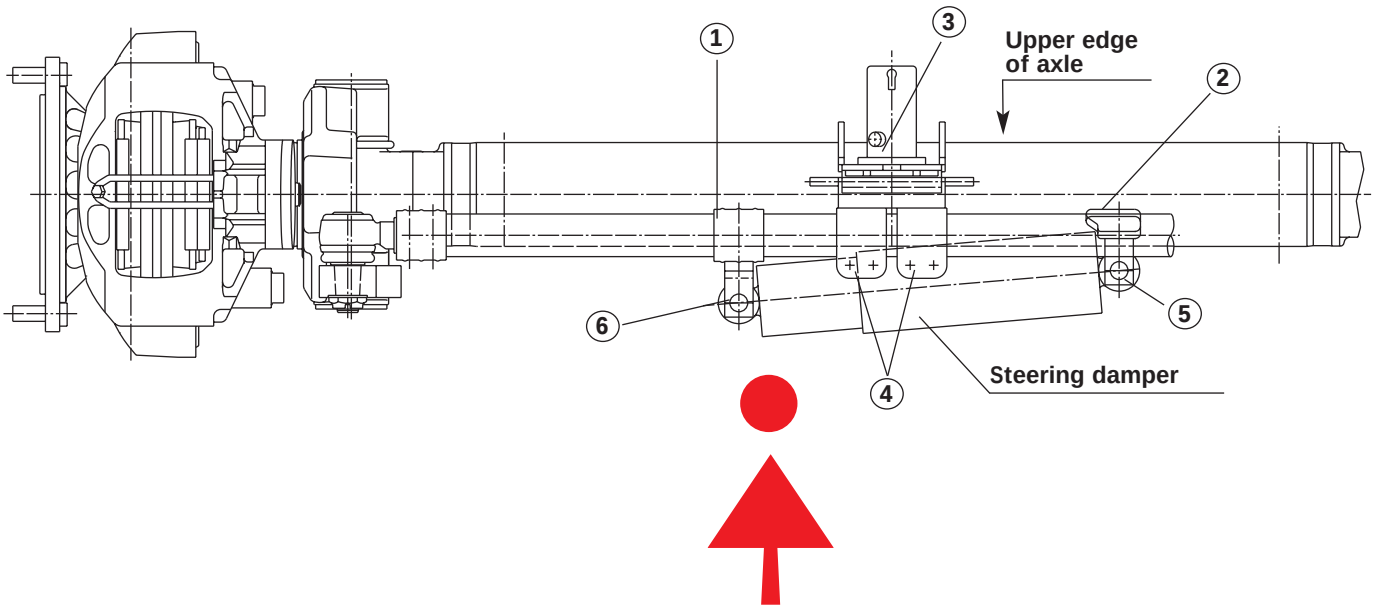
The reversing lock is deactivated by a spring chamber which, when pressure drops in the system, blocks the steering movement and leads to the steering axle being in a fixed position.

Installation Instructions

Important:
The length of the stabilising damper is preset in the “straight ahead” position for the wheels. It is not permitted to change the length set.

Installation Procedure

- Set the air suspension to the correct ride height
- Set the wheels of the axle in the exact “straight ahead” position, if necessary measure the alignment and adjust, the reverse lock must be able to engage ③, if necessary adjust the check plate using the clamps ④.
- Install stabilising damper on the axle side ②, put on bolt ⑤ , do not tighten.
- Install stabilising damper on clamp ①, the M24 ⑥ bolt should slide on easily, if necessary, adjust the clamp ① on the tie rod.
- Tighten the bolts with a torque wrench:
  a) Bolts M12 (WAF 19) on the clamp (1 + 4) Torque setting 90 Nm
  b) Pos. 5 + 6, M 24 (WAF 36) of the stabilising damper Torque setting 660 Nm
- Test drive and check function
  After negotiating curves the wheels of the self-steering axle must return to the “straight ahead” position without delay, if necessary check ride height.



The red dot must be facing to the ground after installation!