

Product Catalogue

CONTENTS

	Page
Contents	2
1 AXLES	
Informations	8
Explanation of Axle Symbols	8
Wheel Attachements	9
Axle Plates	10
Overview Numbers of Homologation Paper	11
Axleset with Disc Brake	12
Axleset with Drum Brake	13
Rigid Axles with Disc Brake	14
Self-Steering-Axles with Disc Brake	18
Rigid Axles with Drum Brake	22
Self-Steering-Axles with Drum Brake	28
Steering Axles with Drum Brake	31
Bogies with Drum Brake	33
Walking Beam Axles with Disc Brake	34
Walking Beam Axles with Drum Brake	35
2 AIR SUSPENSION	
Explanation of Suspension Symbols	38
FB 70 for EuroAxle	39
TKLR Ride Height appr. 150 -360 mm	40
TLR Ride Height appr. 150 -350 mm	41
TLR Ride Height appr. 230 -350 mm	42
TLR Ride Height appr. 310 -360 mm	42
TLR Ride Height appr. 260 -350 mm	43
TLR Ride Height appr. 310 -370 mm	43
NKLR Ride Height appr. 300 -450 mm	43
NLR Ride Height appr. 300 -450 mm	44
NLR Ride Height appr. 320 -450 mm	44
KLR Ride Height appr. 430 -570 mm	45
LR Ride Height appr. 440 -550 mm	46
Axle Lift Twinlift FB 70	47
Axle Lift Twinlift FB 100	48
Axle Lift Side Axle Lift EAL	49
Axle Lift Side Axle Lift for Low Loader EAL-T	49
Axle Lift Central Axle Lift MAL	50
Axle Lift Central Axle Lift for Low Loader MAL-T	50
Permissible Centres of Gravity Height for Air Suspensions	51
Constructions Information	54

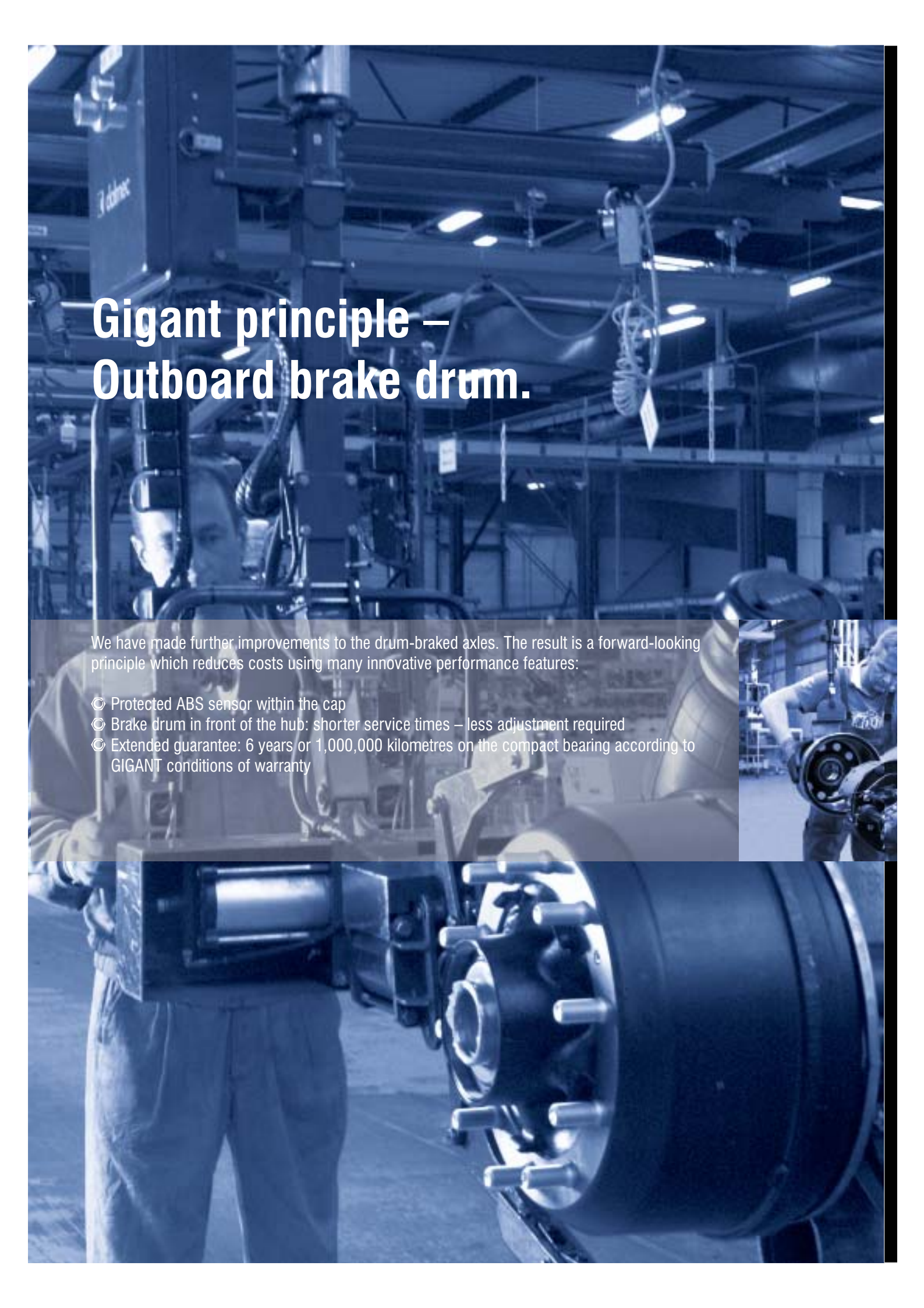
3 MECHANIC SUSPENSION

Explanation of mech. Suspension Symbols	58
Type LK2-15	59
Type LK2-16	61
Type LK2-17	63
Type LK2-18	64
Type LK2	66
Type GK	67
Type GK	68
Type F	69
Type F	70
Axle and Spring Attachment	71

4 Air Tanks

Air Tanks	74
Air Tanks	75
Air Tanks	76
Air Tanks, Standard	77
Air Reservoir Straps, U-Bolt & Saddle Assembly	78





Gigant principle – Outboard brake drum.

We have made further improvements to the drum-braked axles. The result is a forward-looking principle which reduces costs using many innovative performance features:

- © Protected ABS sensor within the cap
- © Brake drum in front of the hub: shorter service times – less adjustment required
- © Extended guarantee: 6 years or 1,000,000 kilometres on the compact bearing according to GIGANT conditions of warranty





Corporate profile.



We have been building axles for more than 50 years. This much experience pays off. Our tried and trusted solutions not only secure our own market position, but also that of our customers. gigant products make an impact at an international level with innovative technology, long service life and reliability. gigant - Trenkamp & Gehle GmbH from Dinklage in Lower Saxony, between Bremen and Osnabrück, is the main headquarters of the Group which was combined in GIGANT Holding AG in 2003. Production facilities are located in Germany, France and Great Britain. A comprehensive network of exclusive agencies and service bases make GIGANT Holding AG a flexible partner throughout Europe.

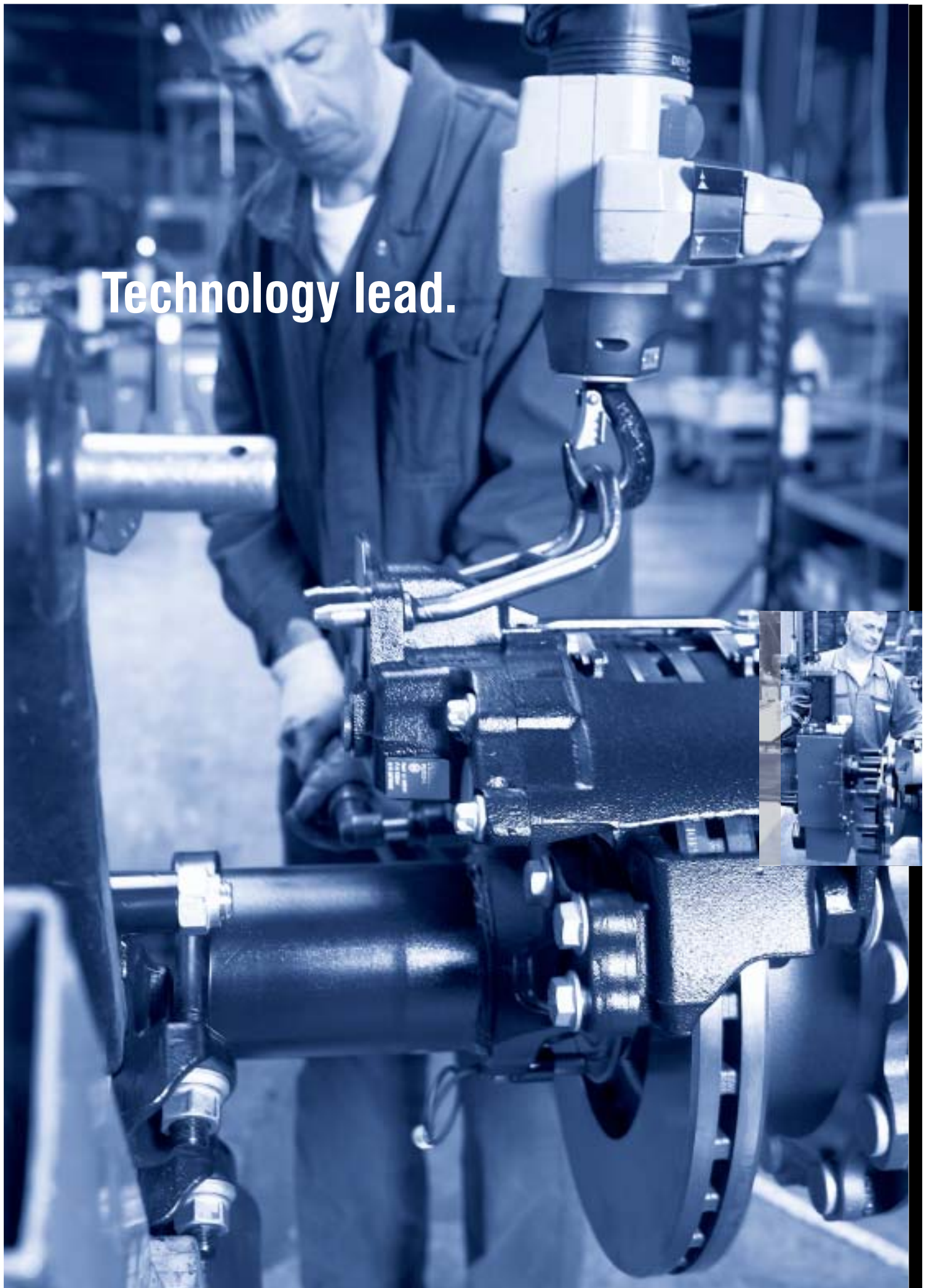
And we can prove it. We offer you absolute reliability: we have been audited and certified according to the stringent criteria of the quality standard DIN ISO 9001:2000. Our production processes are checked not only internally but also externally from development to customer service.

You are in safe hands with **gigant** in any case: our comprehensive service network ensures rapid assistance – regardless of the route you are on. The gigant Service Hotline can be reached 24/7 throughout Europe.

Our destination is your satisfaction!



Technology lead.





Euro axle made by gigant.



Put your faith in us. So strong, reliable and consistent that you will require much less of it:

Less weight, lower costs, reduced time. The Euro axle.

The newly developed **gigant** standard axle for road going trailers was specially designed for mass production use. It has a further weight advantage over its light predecessor axle; this is achieved by combining with the innovative **gigant** air suspension system FB70.

The ideal application for the wheel bearing stepped hub unit, which is also weight-optimised and has an extended warranty of one million kilometres or six years, is in the Euro axle. Changing the brake discs is performed without disassembling the wheel bearing. That means: less service time required and lower maintenance costs for you. The successful principle of the **gigant** drum brake is applied in this case to perfection. And the further developed monobloc technology means the axle beam dispenses with susceptible welding seams.

The Euro axle is the perfect example of achieving considerable cost savings using state-of-the-art production and consistent engineering.

A force to be reckoned with!



INFORMATIONS

AXLE LOADS: The mentioned axle loads are max. values up to 105 km/h.

WHEEL BRAKEE: On request we can send you the test reports for the cam brake.

SLAG ADJUSTERER: Automatic slag adjuster (AGS) are part of the delivery. Manual slack adjuster are available on request.

AIR CHAMBER BRACKETS (A.C.B.): Air chamber brackets are part of delivery.

ABS: On request all axles can be delivered with ABS preparation.

WHEEL ATTACHMENTS: Axles can be delivered with wheel attachments for spigot alignment or stud alignment. When ordering please advise type of wheel attachment. When using ALU-wheels please also indicate type and spigot hole diameter.

SPRING TRACK: Spring track (FM min/max) are technically allowed values. They have to be checked according to tyres, suspension, a.c.b. bracket-center (GM) and for steering axles also according to the steering angle.

AXLE PLATES: All axles can be used together with air and mechanical suspensions. In special cases also for hydraulic suspensions. When ordering please advise type of axle plates.

PROTEC: The gigant axle generation is especially designed for low maintenance and a low whole life cost.

COMPACT BEARING: Up to 1.000.000 km or 6 years guarantee on the compact bearing of the axle systems in accordance with the gigant-guarantee conditions.

STANDARD PROGRAMME: The black printed gigant standard-axle programme shown in the brochure is standing for short delivery times and a competitive price.

Subject to technical changes without prior notification.

In case you need further information about our products please do not hesitate to contact us directly

gigant Trenkamp & Gehle GmbH
Märschendorfer Straße 42
49413 Dinklage
Germany

Tel.: +49 (0) 44 43.96 20-0
Fax: +49 (0) 44 43.96 20-30
E-Mail: contact@gigant-group.com

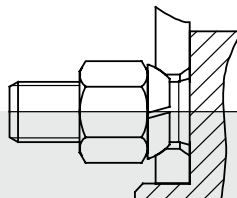
EXPLANATION

of axle symbols

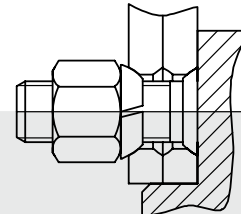
Z0	SO = single tyre ZO = twin tyre
B24	fig. No. (explanation see page 10)
AGS	without = without slack adjuster NGS = manual slack adjuster AGS = automatic slack adjuster
ABS	without = without ABS ABS = with ABS
0344	air chamber bracket center (distance in mm)
1100	spring track (distance in mm)
1950	track (distance in mm)
3020	3010 = drum brake 300 x 100 3015 = drum brake 305 x 150 3020 = drum brake 300 x 200 3334 = disc brake D335 x 34 3620 = drum brake 360 x 200 3745 = disc brake D377 x 45 4218 = drum brake 420 x 180 4220 = drum brake 420 x 200 4345 = disc brake D430 x 45
10	4. and 5. figure = number of studs
105	1. to 3. figure = axle load i. e. 090 = 9,0 t
1	axle generation
H	without = full beam H = hollow beam
K	without = round axle K = compact bearing V = square axle B = bogie straddle mount J = bogie high mount I = bogie low mount
N	without = rigid axle Z = steering axle N = self-steering axle P = walking beam axle G = cranked axle T = walking tandem B = bogie E = special axle O = axle with offset
G	S = S.A.E. axle G = gigant axle with drum brake D = gigant axle with disk brake

WHEEL- CONNECTION

Centering on WHEEL STUDS

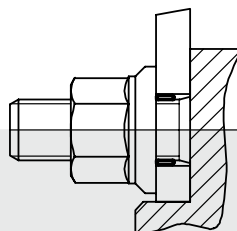


SINGLE MOUNT
TYPE SF
M 18 x 1,5 (24/plat)
M 22 x 1,5 (32/plat)

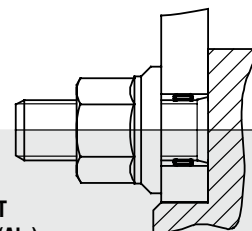


TWIN MOUNT
TYPE ZF
M 18 x 1,5 (24/plat)
M 22 x 1,5 (32/plat)

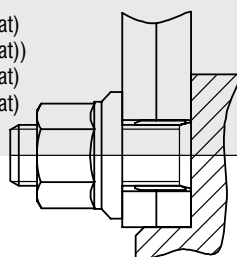
SPIGOT centering



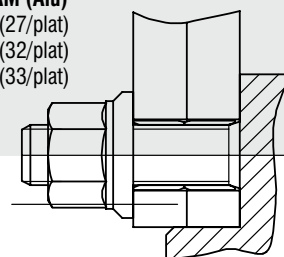
SINGLE MOUNT
TYPE S/SM
M 18 x 1,5 (27/plat)
M 22 x 1,5 (32/plat)
M 22 x 1,5 (33/plat)



SINGLE MOUNT
TYPE SA/SAM (Alu)
M 18 x 1,5 (27/plat)
M 22 x 1,5 (32/plat)
M 22 x 1,5 (33/plat)



TWIN MOUNT
TYPE Z/ZM
M 18 x 1,5 (27/plat)
M 22 x 1,5 (32/plat)
M 22 x 1,5 (33/plat)
M 24 x 1,5 (36/plat)



TWIN MOUNT
TYPE ZA/ZAM (Alu)
M 18 x 1,5 (27/plat)
M 22 x 1,5 (32/plat)
M 22 x 1,5 (33/plat)

AXLE PLATES

axle
with axle plates **ON THE TOP**

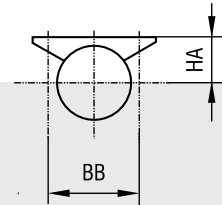


fig. No. 3

axle with axle plates
ON THE TOP AND BELOW

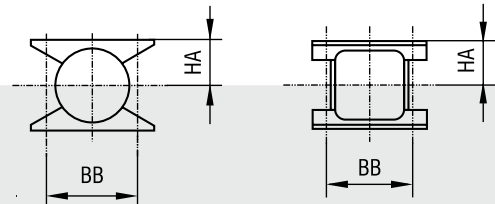


Bild NR. 7

fig. No. 8

axle
with air suspension plates **ON THE TOP**

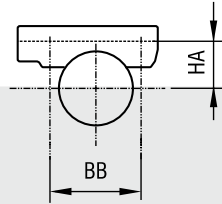


fig. No. 22

axle
with air suspension plates **BELOW**

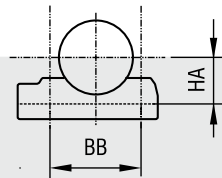


fig. No. 24

axle with air suspension plates
ON THE TOP and axle plates **BELOW**

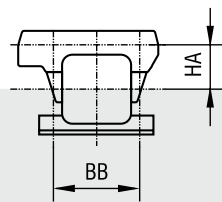


fig. No. 27

axle with axle plates **ON THE TOP**
and air suspension plates **BELOW**

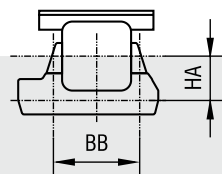
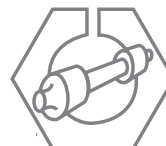


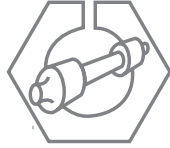
fig. No. 29



NUMBERS OF HOMOLOGATION PAPER

1

		AXLETYPE	AXLE LOAD (t)	NUMBER OF TEST CERTIFICATE				PAGE
				gigant	KNORR	WABCO	HALDEX	
DISC BRAKE	rigid axles	DH7 05506 3334	5,5			361-037-08		14
		DKH2 09010 3745	9		0607	361-0106-03 FBKV	361-138-05	
		DOKH2 09010 3745	9		0607	361-0106-03 FBKV	361-138-05	15
		DKH2 09010 4345	9		0613	361-0105-03 FBKV	361-141-05	
		DOKH2 09010 4345	9		0613	361-0105-03 FBKV	361-141-05	16
		DKH2 10008 3745	10		0607	361-0106-03 FBKV	361-138-05	
		DKH2 10510 4345	10,5		0613	361-0105-03 FBKV	361-141-05	17
		DH7 12010 4345	12		0613	361-0105-03 FBKV	361-141-05	
	self-steering axles	DNKH2 09010 3745	9		0607	361-0106-03 FBKV	361-138-05	18
		DNOKH2 09010 3745	9		0607	361-0106-03 FBKV	361-138-05	
		DNKH2 09010 4345	9		0613	361-0105-03 FBKV	361-141-05	19
		DNOKH2 09010 4345	9		0613	361-0105-03 FBKV	361-141-05	
		DNKH2 10008 3745	10		0607	361-0106-03 FBKV	361-138-05	20
		DNKH2 10510 4345	10,5		0613	361-0105-03 FBKV	361-141-05	
		DNH7 12010 4345	12		0613	361-0105-03 FBKV	361-141-05	21
DRUM BRAKE	rigid axles	GH7 05506 3010	5,5	361-028-07				22
		SV2 06706 3015	6,7	361-021-07				
		GKH2 10510 3020	10,5	361-008-07				23
		GKH2 12010 3020	12	361-008-07				
		GKH2 10508 3620	10,5	361-014-08				24
		GKH2 10510 3620	10,5	361-014-08				
		GH7 12008 3620	12	361-014-08				
		GKH2 09010 4218	9	361-015-07				25
		GKH2 10510 4220	10,5	361-031-07				26
		GK7 12010 4220	12	361-031-07				
		GVH4 14010 4220	14	361-031-07				
		GVH4 16010 4220	16	361-031-07				27
		SV2 18010 4220	18	0333				
		SV2 20010 4220	20	0333				
	self-steering axles	GNKH2 10510 3020	10,5	361-008-07				28
		GNK2 12010 3020	12	361-008-07				
		GNKH2 10508 3620	10,5	361-014-08				29
		GNKH2 10510 3620	10,5	361-014-08				
		GNH6 12008 3620	12	361-014-08				
		GNKH2 09010 4218	9	361-015-07				30
		GN7 12010 4220	12	361-031-07				
	steering axles	GZK2 10510 3020	10,5	361-008-07				31
		GZK2 12010 3020	12	361-008-07				
		GZK2 10508 3620	10	361-014-08				32
		GZK2 10510 3620	10	361-014-08				
		GZK2 12008 3620	12	361-014-08				
		GZ7 12010 4220	12	361-031-07				
	bogies	SBB 2 10510 4220	10,5	361-031-07				33
		SBB 2 13010 4220	13	361-031-07				
		SBI 2 13010 4220	13	361-031-07				
		SBI 2 14010 4220	14	361-031-07				
		SBI 2 16010 4220	16	361-031-07				
		SBZ 2 13010 4220	13	361-031-07				
	walking beam axles	DOKPS 06708 3745	6,7		0609			34
		SPS 07010 3015	7	0650				35
		SPS 07510 3015	7,5	0306				
		SPS 10010 3015	10	0650				
		SPS 06508 3515	6,5	0308				
		SPS 07008 3515	7	0308				
		SPS 07008 3515	7	0308				
		SPS 07008 3515	7	0308				

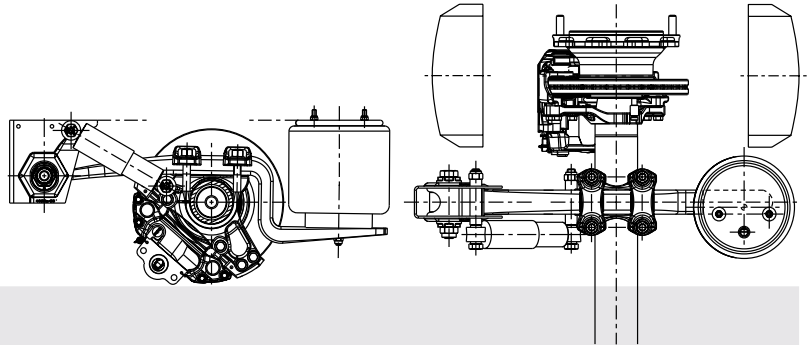


1

AXLE SET with disc brakes

AXLE SET gigant EuroAxle + air suspension FB70

ride height FH: appr. 240 - 530 mm
bellow: $\varnothing$ 300 mm
lift in total: 180 mm

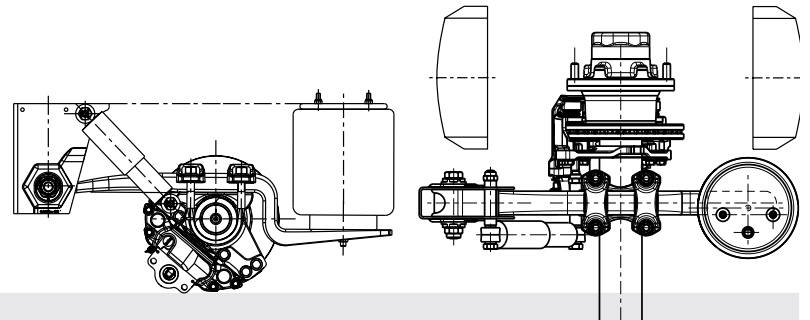


TYPE OF AXLE AXLE BEAM	AXLE- LOAD (kg)	ET (mm)	TRACK (mm)	SINGLE TYRE SPRING TRACK (mm)	EXAMPLE OF TYRE	AIR SUSPENSION RIDE HEIGHT	NUMBER OF STUDS	WEIGHT (kg)
DOKH2 09010 3745 EuroAxle O 127	9000	120	2040	1200	385/65 R22,5	NKLRT 240 - 300	10/280.8/335 M22x1,5	442 -
				1300		NKLRT 280 - 340		442 -
				1300		NKLRT 315 - 375		442 -
			2090	1300		NKLRT 355 - 415		444 -
						NKLRT 280 - 340		442 -
						NKLRT 315 - 375		442 -
						NKLRT 355 - 415		444 -

TYPE OF AXLE AXLE BEAM	AXLE- LOAD (kg)	ET (mm)	TRACK (mm)	SINGLE TYRE SPRING TRACK (mm)	EXAMPLE OF TYRE	AIR SUSPENSION RIDE HEIGHT	NUMBER OF STUDS	WEIGHT (kg)
DOKH2 09010 4345 EuroAchse O 127	9000	120	2040	1200	385/65 R22,5	NKLRT 240 - 300	10/280.8/335 M22x1,5	444 -
				1300		NKLRT 280 - 340		444 -
				1300		NKLRT 315 - 375		444 -
			2090	1300		NKLRT 355 - 415		446 -
						NKLRT 280 - 340		444 -
						NKLRT 315 - 375		444 -
						NKLRT 355 - 415		446 -

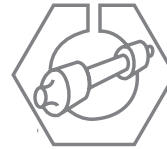
AXLE SET gigant axles + air suspension FB70

ride height FH: appr. 240 - 530 mm
bellow: $\varnothing$ 300 mm
lift in total: 180 mm



TYPE OF AXLE AXLE BEAM	AXLE- LOAD (kg)	ET (mm)	TRACK (mm)	SINGLE TYRE SPRING TRACK (mm)	EXAMPLE OF TYRE	AIR SUSPENSION RIDE HEIGHT	NUMBER OF STUDS	WEIGHT (kg)
DKH2 09010 3745 O 127	9000	0	2040	1200		NKLRT 240 - 300	10/280.8/335 M22x1,5	414 -
				1300		NKLRT 280 - 340		414 -
				1300		NKLRT 315 - 375		414 -
			2090	1300		NKLRT 355 - 415		421 -
						NKLRT 280 - 340		414 -
						NKLRT 315 - 375		414 -
						NKLRT 355 - 415		421 -

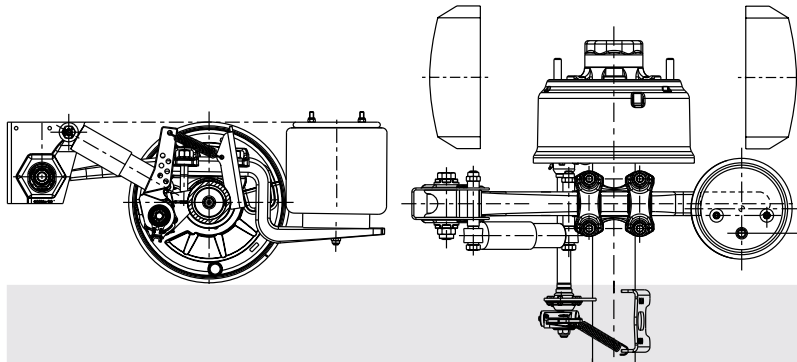
TYPE OF AXLE AXLE BEAM	AXLE- LOAD (kg)	ET (mm)	TRACK (mm)	SINGLE TYRE SPRING TRACK (mm)	EXAMPLE OF TYRE	AIR SUSPENSION RIDE HEIGHT	NUMBER OF STUDS	WEIGHT (kg)
DKH2 09010 4345 O 127	9000	0	2040	1200		NKLRT 240 - 300	10/280.8/335 M22x1,5	439 -
				1300		NKLRT 280 - 340		439 -
				1300		NKLRT 315 - 375		439 -
			2090	1300		NKLRT 355 - 415		441 -
						NKLRT 280 - 340		439 -
						NKLRT 315 - 375		439 -
						NKLRT 355 - 415		441 -



gigant 
the driving force

AXLE SET with drum brakes

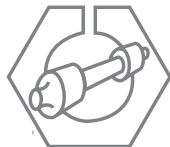
1



AXLE SET gigant axles + air suspension FB70

ride height FH: appr. 240 - 530 mm
bellow: $\varnothing$ 300 mm
lift in total: 180 mm

TYPE OF AXLE AXLE BEAM	AXLE- LOAD (kg)	ET (mm)	SINGLE TYRE			AIR SUSPENSION RIDE HEIGHT			NUMBER OF STUDS	WEIGHT (kg)
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE					
GKH2 09010 4218 O 127	9000	0	2040	1200	385/65 R22,5	NKLRT 240 - 300	NKLRT 280 - 340	NKLRT 315 - 375	10/280.8/335 M22x1,5	445 -
				1300		NKLRT	NKLRT	NKLRT		453 -
				1300		NKLRT	NKLRT	NKLRT		447 -

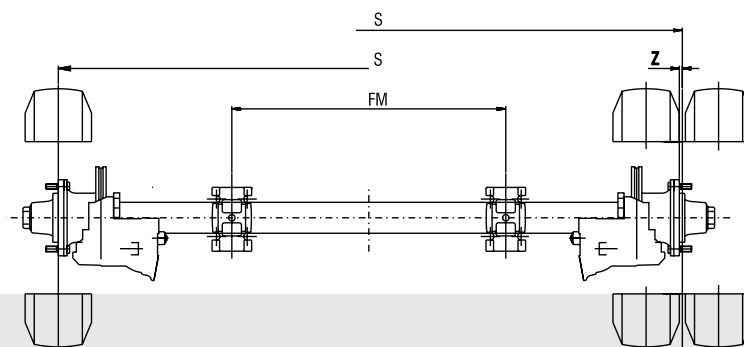


1

RIGID AXLES with disc brakes

PROTEC-Axle

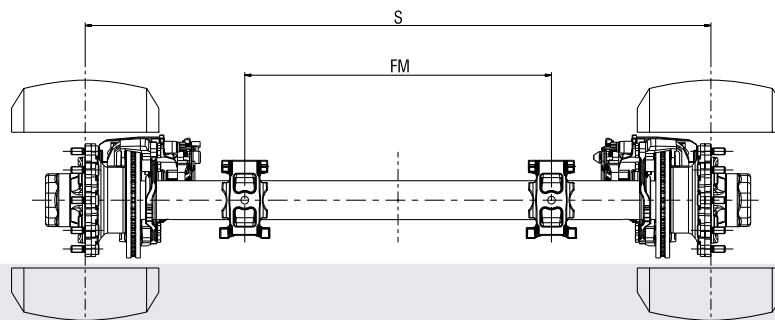
with disc brakes
brake D335 x 34
for tyres 17,5"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE		EXAMPLE OF TYRE	TWIN TYRE		EXAMPLE OF TYRE	NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)		TRACK ⁴ (mm)	SPRING TRACK (mm)			
DH7 05506 3334 O 101,6	5500	0	1800	980	245/70 R17,5	1820	980	205/65 R17,5	6/160.8/205 M18x1,5	fig. 22 fig. 24
			1900	1100		1940	1100			
			1900	1200						
			1920	1100						
			2000	1300						
			2100	1400						

Compact Bearing Axles

with disc brakes
brake D377 x 45
for tyres 19,5" and 22,5"



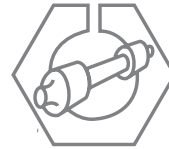
TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE		EXAMPLE OF TYRE	TWIN TYRE		EXAMPLE OF TYRE	NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)		TRACK (mm)	SPRING TRACK (mm)			
DKH2 09010 3745 O 127	9000	0	2040	1200	385/65 R22,5				10/280.8/335 M22x1,5	fig. 22 fig. 24
			2040	1300						
			2090	1300						

Standard programme / extended programme, other dimensions on request.

4) track + 2 x thickness of the wheel rim (Z)

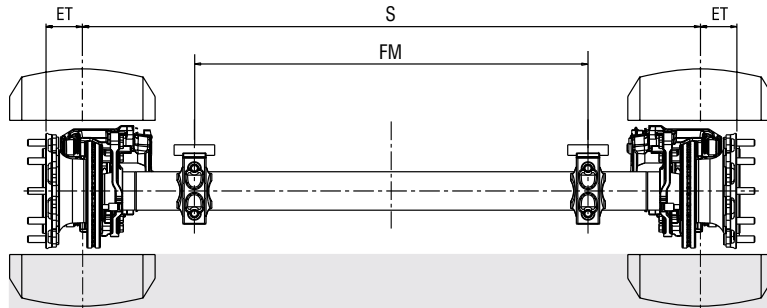
5) survey on page 10

7) only associated with tyre 445/45 R 19,5



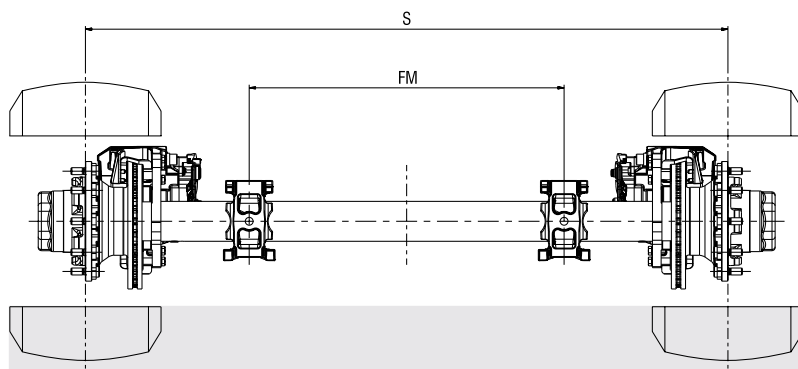
RIGID AXLES with disc brakes

1



Euro-Achsen
with disc brakes
brake D377 x 45
for tyres 19,5" ⁷ and 22,5"

TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
DOKH2 09010 3745 O 127	9000	120	2040	1200	385/65 R22,5				10/280.8/335 M22x1,5	fig. 22 fig. 24
			2040	1300						
			2090	1300						



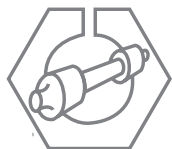
Compact Bearing Axles
with disc brakes
brake D430 x 45
for tyres 22,5"

TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
DKH2 09010 4345 O 127	9000	0	2040	1200	385/65 R22,5				10/280.8/335 M22x1,5	fig. 22 fig. 24
			2040	1300						
			2090	1300						

Standard programme / extended programme, other dimensions on request.

5) survey on page 10

7) only associated with tyre 445/45 R 19,5

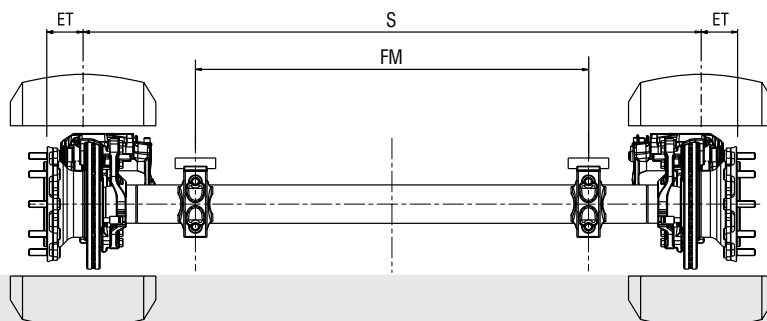


1

RIGID AXLES with disc brakes

Euro-Axle

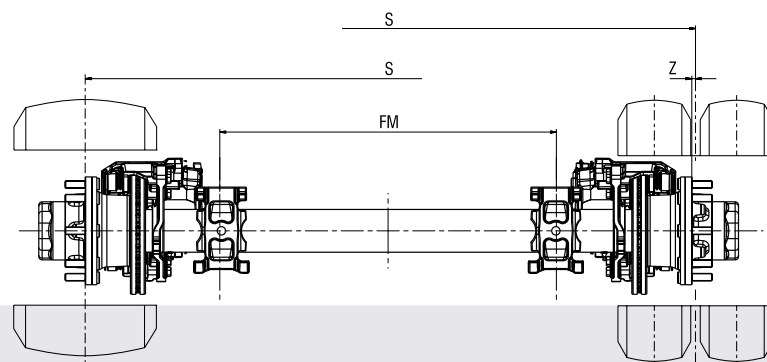
with disc brakes
brake D430 x 45
for tyres 22,5"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
DOKH2 09010 4345 O 127	9000	120	2040	1200	385/65 R22,5				10/280.8/335 M22x1,5	fig. 22 fig. 24
			2040	1300						
			2090	1300						

Compact Bearing Axles

with disc brakes
brake D377 x 45
for tyres 19,5"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
DKH2 10008 3745 O 127	10000	0	2040	1200	445/65 R19,5	1830	980 ³	265/70 R19,5	8/220.8/275 M22x1,5	fig. 22 fig. 24
			2040	1300		1950	980			
						1950	1100 ¹			

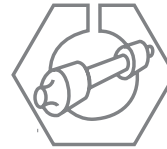
Standard programme / extended programme, other dimensions on request.

1) only with mechanical suspension

3) depending on combination tyre and suspension

4) track + 2 x thickness of the wheel rim (Z)

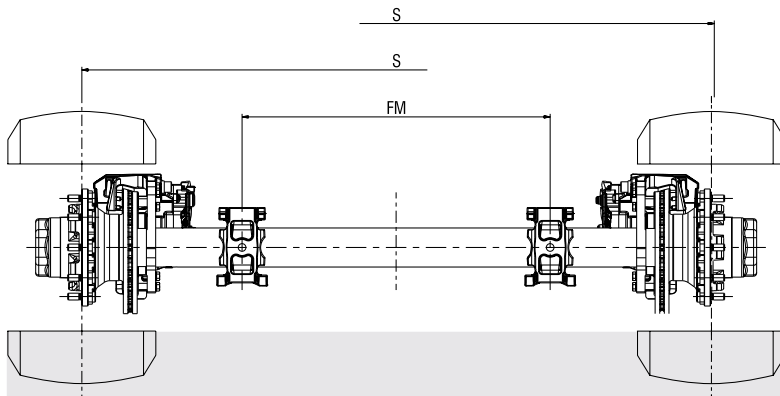
5) survey on page 10



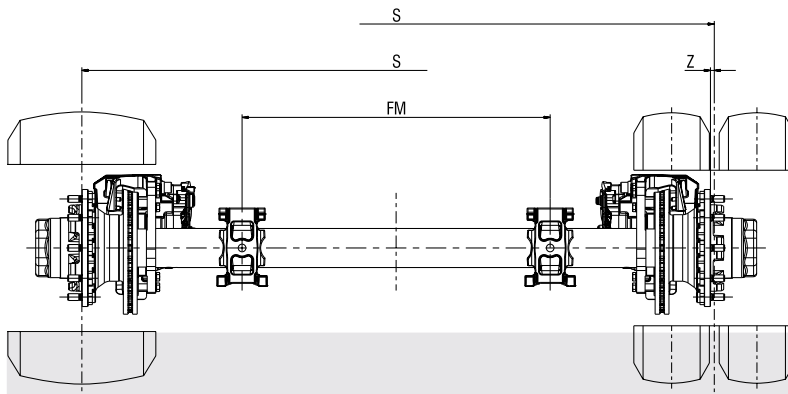
RIGID AXLES with disc brakes

1

Compact Bearing Axles with disc brakes brake D430 x 45 for tyres 22,5"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
DKH2 10510 4345 O 127	10500	0	2040	1200	385/65 R22,5 ²				10/280.8/335 M22x1,5	fig. 22 fig. 24
			2040	1300	425/65 R22,5 ²					



Compact Bearing Axles with disc brakes brake D430 x 45 for tyres 22,5"

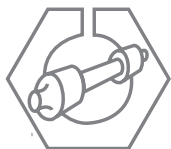
TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
DH7 12010 4345 O 127	12000	0	2040	1200	445/65 R22,5 ²	1850	900	12 R22,5	10/280.8/335 M22x1,5	fig. 22 fig. 24
			2040	1300		1880	900			

Standard programme / extended programme, other dimensions on request.

2) axle charge of tyre acc. to producer's information

4) track + 2 x thickness of the wheel rim (Z)

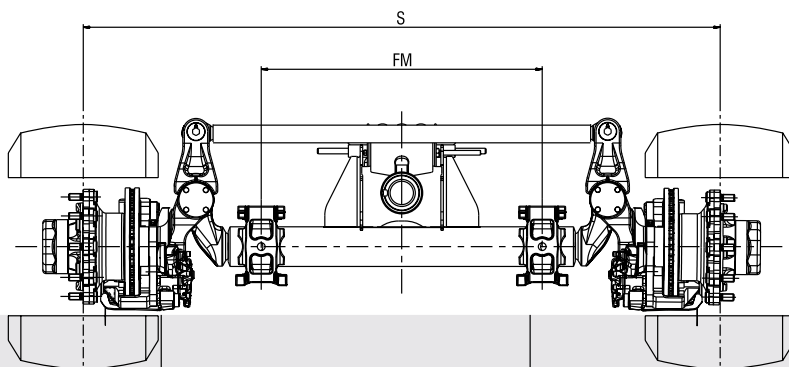
5) survey on page 10



1 SELF STEERING AXLES with disc brakes

Compact Bearing Axles

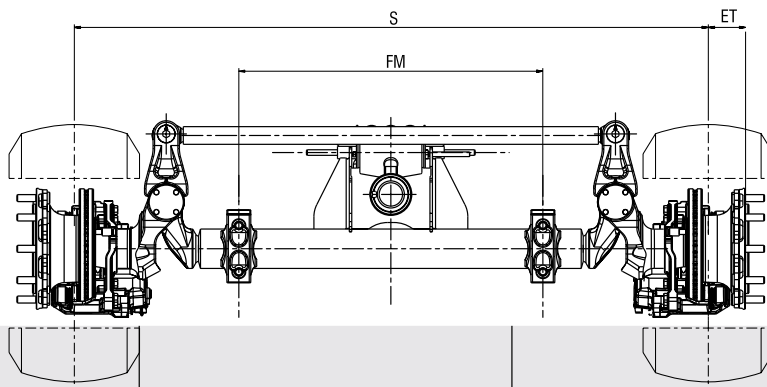
with disc brakes
brake D377 x 45
for tyres 22,5"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
DNKH2 09010 3745 O 127	9000	0	2040	980	385/65 R22,5				10/280.8/335 M22x1,5	fig. 22 fig. 24
			2090	980						

Euro-Axles

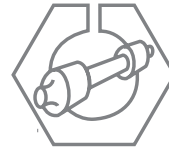
with disc brakes
brake D377 x 45
for tyres 22,5"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
DNOKH2 09010 3745 O 127	9000	120	2040	980	385/65 R22,5				10/280.8/335 M22x1,5	fig. 22 fig. 24
			2090							

Standard programme / extended programme, other dimensions on request.

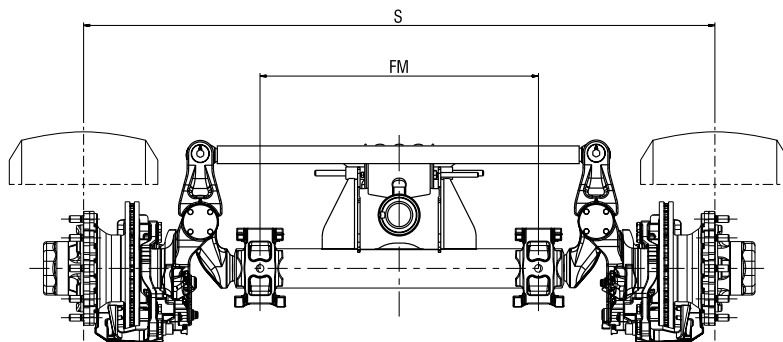
5) survey on page 10



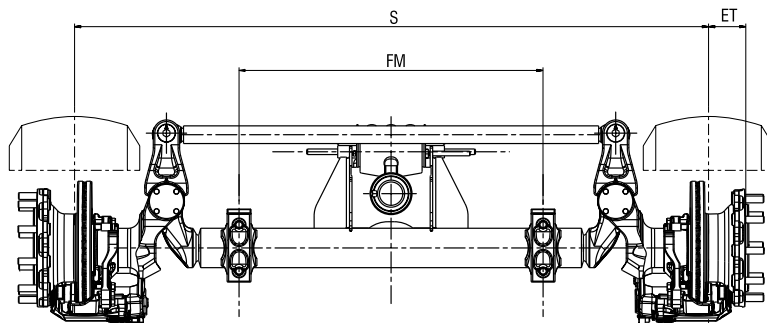
SELF STEERING AXLES with disc brakes

1

Compact Bearing Axles with disc brakes brake D430 x 45 for tyres 22,5"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK	SPRING	TRACK	TRACK	SPRING	TRACK		
DNKH2 09010 4345 O 127	9000	0	2040	980	385/65 R22,5				10/280.8/335 M22x1,5	fig. 22 fig. 24

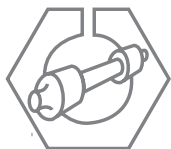


Euro-Axles with disc brakes brake D430 x 45 for tyres 22,5"

TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK	SPRING	TRACK	TRACK	SPRING	TRACK		
DNOKH2 09010 4345 O 127	9000	120	2040	980	385/65 R22,5				10/280.8/335 M22x1,5	fig. 22 fig. 24

Standard programme / extended programme, other dimensions on request.

5) survey on page 10

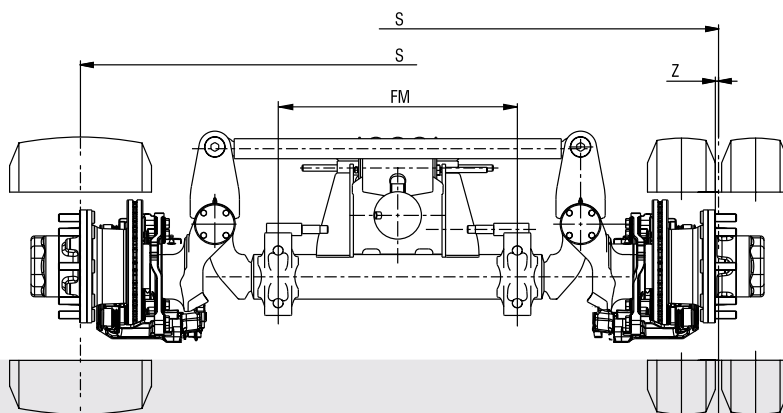


1

SELF STEERING AXLES with disc brakes

Compact Bearing Axles

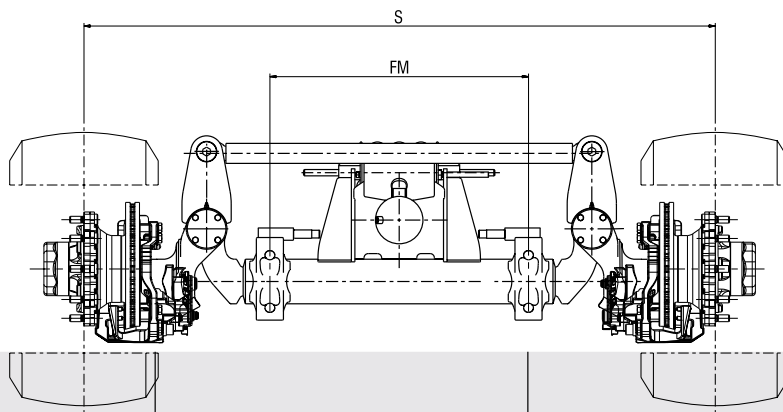
with disc brakes
brake D377 x 45
for tyres 19,5"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
DNKH2 10008 3745 O 127	10000	0	2040	980	445/65 R19,5	1830 ³	depending on steering- angle and tyres	265/70 R19,5	8/220.8/275 M22x1,5	fig. 22 fig. 24
						1950				

Compact Bearing Axles

with disc brakes
brake D430 x 45
for tyres 22,5"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
DNKH2 10510 4345 O 127	10500	0	2040	980	385/65 R22,5 ²				10/280.8/335 M22x1,5	fig. 22 fig. 24

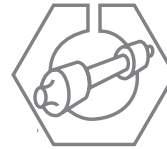
Standard programme / extended programme, other dimensions on request.

2) axle charge of tyre acc. to producer's information

3) depending on combination tyre and suspension

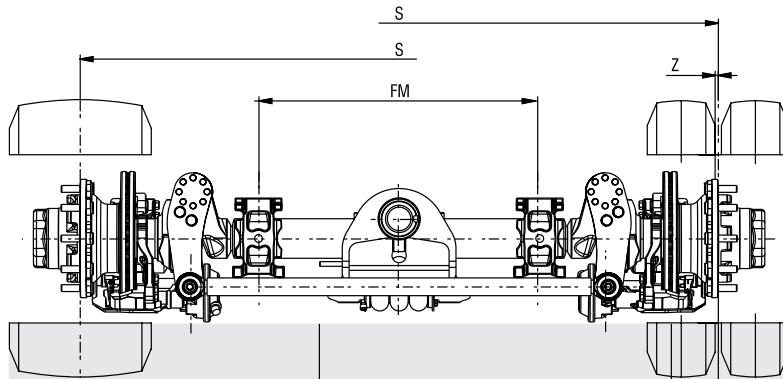
4) track + 2 x thickness of the wheel rim (Z)

5) survey on page 10



SELF STEERING AXLES with disc brakes

1



Compact Bearing Axles
with disc brakes
brake D430 x 45
for tyres 22,5"

TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
DNH7 12010 4345 O 127	12000	0	2040	900	445/65 R22,5 ²	1850 ³	depending on steering- angle and tyres		10/280.8/335 M22x1,5	fig. 22 fig. 24
			2090	900		1880				

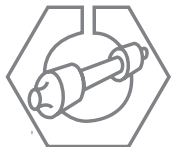
Standard programme / extended programme, other dimensions on request.

2) axle charge of tyre acc. to producer's information

3) depending on combination tyre and suspension

4) track + 2 x thickness of the wheel rim (Z)

5) survey on page 10

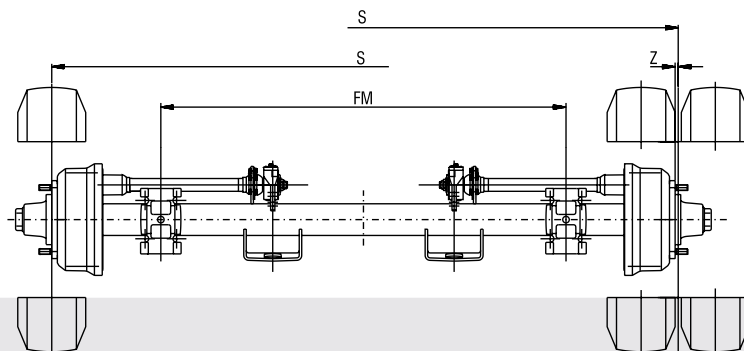


1

RIGID AXLES with drum brakes

PROTEC-Axles

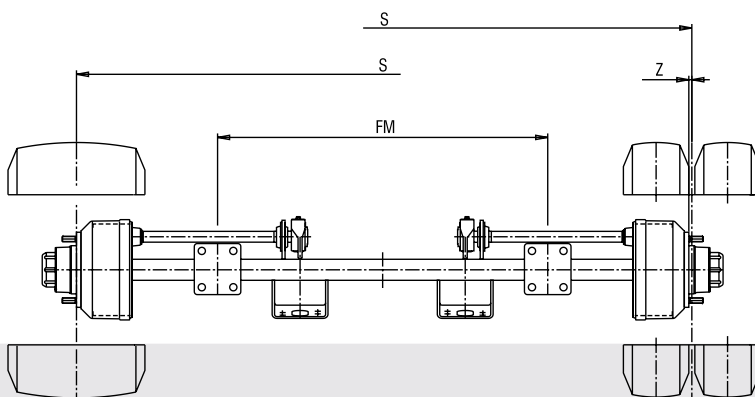
with drum brakes
brake 300 x 100
for tyres 15" to 17,5"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE		EXAMPLE OF TYRE	TWIN TYRE		EXAMPLE OF TYRE	NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)		TRACK ⁴ (mm)	SPRING TRACK (mm)			
GH7 05506 3010 O 101,6	5500	0	1800	980	245/70 R17,5	1820	980	205/80 R15	6/160.8/205 M18x1,5	fig. 22 fig. 24
			1900	1100		1940	1100			
			1900	1200						
			1920	1100						
			2000	1300						
			2100	1400						

Axles

with drum brakes
brake 305 x 150
for tyres 15" to 19,5"



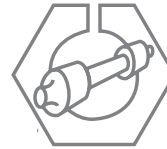
TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE		EXAMPLE OF TYRE	TWIN TYRE		EXAMPLE OF TYRE	NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)		TRACK ⁴ (mm)	SPRING TRACK (mm)			
SV2 06706 3015 ■ 80	6700	0	1800	1100	245/70 R17,5	2000	1300	205/75 R17,5 ²	6/160.8/205 M18x1,5	fig. 08 fig. 27 fig. 29
			1900	1200						
			2000	1300						
			2100	1400						
SV2 06706 3015 ■ 90			1900	1100		1800	980			
						1920	1100			

Standard programme / extended programme, other dimensions on request.

2) axle charge of tyre acc. to producer's information

4) track + 2 x thickness of the wheel rim (Z)

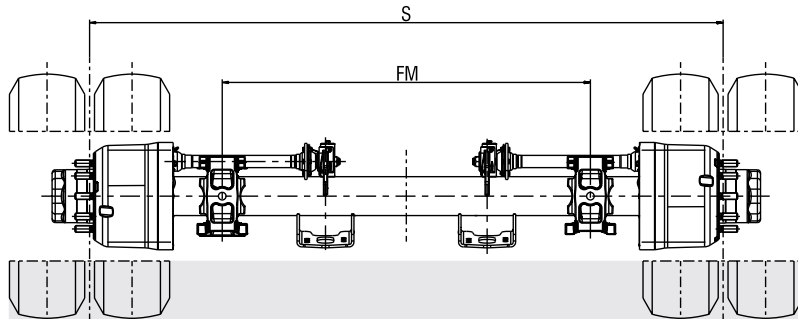
5) survey on page 10



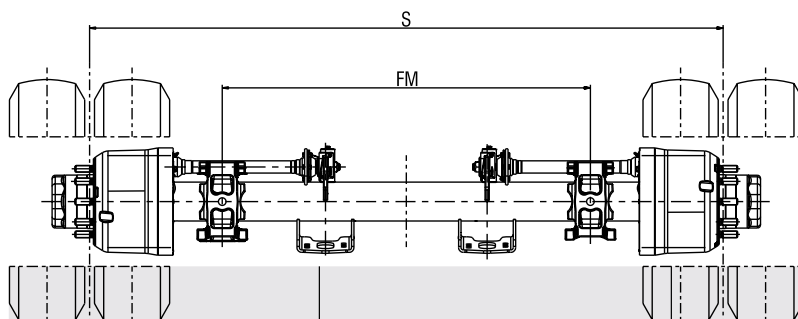
RIGID AXLES with drum brakes

1

Compact Bearing Axles with drum brakes brake 300 x 200 for tyres 15" to 17,5"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING (mm)	EXAMPLE OF TYRE		
GKH2 10510 3020 O 127	10500	0				1830	980	245/70 R17,5 8.25 R15 ²	10/175.8/225 M22x1,5	fig. 03 fig. 07 fig. 22 fig. 24
						1925	980			
						1925	1100			
						1950	1000			
						1950	1100			
						2010	1100			



Compact Bearing Axles with drum brakes brake 300 x 200 for tyres 15" to 17,5"

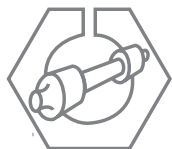
TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING (mm)	EXAMPLE OF TYRE		
GKH2 12010 3020 O 127	12000	0				1830	980	245/70 R17,5 ²	10/175.8/225 M22x1,5	fig. 03 fig. 07 fig. 22 fig. 24
						1925	980			
						1925	1100			
						1950	1000			
						1950	1100			
						2010	1100			

Standard programme / extended programme, other dimensions on request.

2) axle charge of tyre acc. to producer's information

4) track + 2 x thickness of the wheel rim (Z)

5) survey on page 10

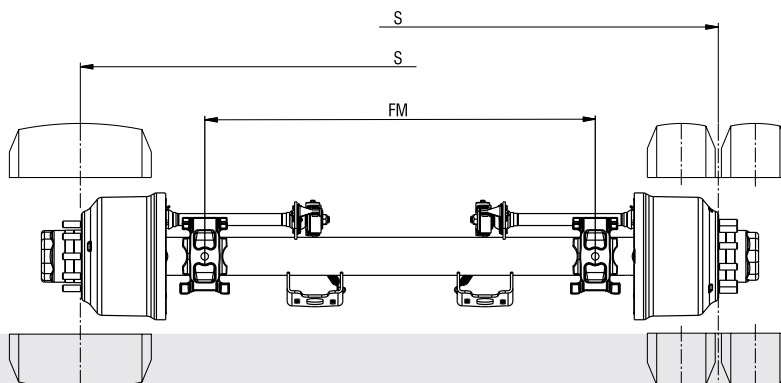


1

RIGID AXLES with drum brakes

Compact Bearing Axles

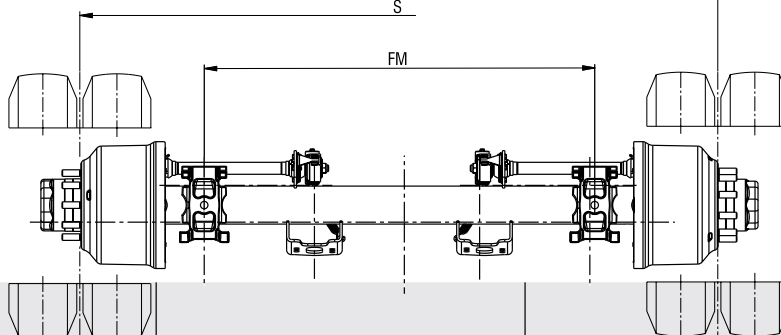
with drum brakes
brake 360 x 200
for tyres 19,5"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵		
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE				
GKH2 10508 3620 O 127	10500	0	2040	1200	445/45 R19,5	1830 ³	980	265/70 R19,5	8/220.8/275 M22x1,5	fig. 03 fig. 07 fig. 22 fig. 24		
						1930	980					
						1930	1100 ¹					
			2040	1300		1950	1000					
GKH2 12008 3020 O 127	12000	0				1830	900	285/70 R19,5 ²				
					1930	980						
GKH2 10510 3620 O 127	10500	0	2040	1200	445/45 R19,5	1830 ³	980	265/70 R19,5			265/70 R19,5	
						1930	980					
						1930	1100 ¹					
			2040	1300		1950	1000					

Axles

with drum brakes
brake 360 x 200
for tyres 19,5"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
GH7 12008 3620 O 127	12000	0				1830	900	285/70 R19,5 ²	10/280.8/335 M22x1,5	fig. 22 fig. 24
						1930	980			

Standard programme / extended programme, other dimensions on request.

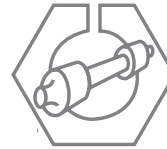
1) only with mechanical suspension

2) axle charge of tyre acc. to producer's information

3) depending on combination tyre and suspension

4) track + 2 x thickness of the wheel rim (Z)

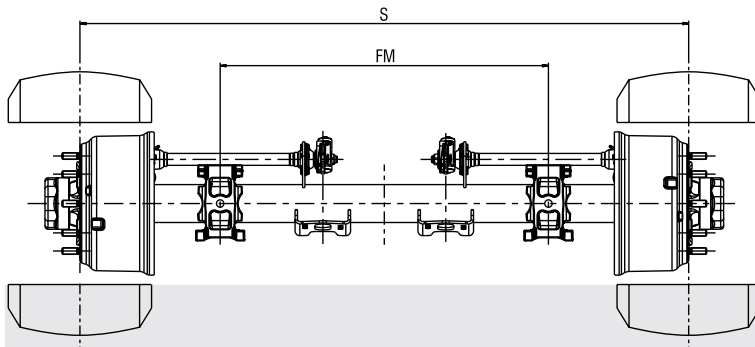
5) survey on page 10



RIGID AXLES with drum brakes

1

Compact Bearing Axles
with drum brakes
brake 420 x 180
for tyres 22,5"

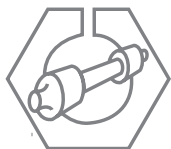


TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING (mm)	TRACK (mm) EXAMPLE OF TYRE	TRACK (mm)	SPRING (mm)	TRACK (mm) EXAMPLE OF TYRE		
GKH2 09010 4218 O 127	9000	0	2040	1200	385/65 R22,5				10/280.8/335 M22x1,5	fig. 03 fig. 22 fig. 24
			2040	1300						
			2090	1300						
			2090	1400						

Standard programme / extended programme, other dimensions on request.

2) axle charge of tyre acc. to producer's information

5) survey on page 10

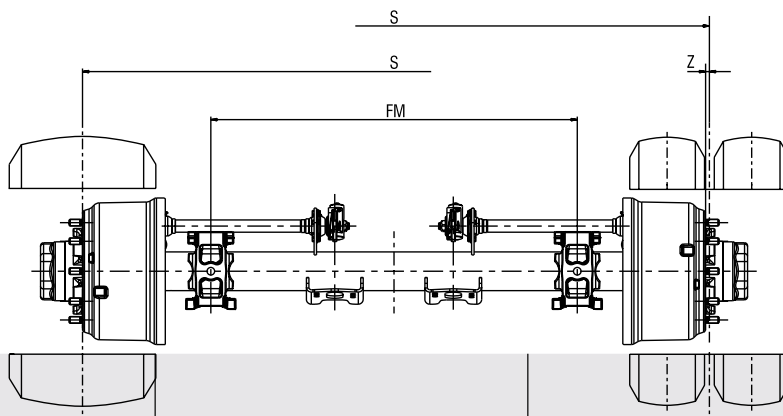


1

RIGID AXLES with drum brakes

Compact Bearing Axles

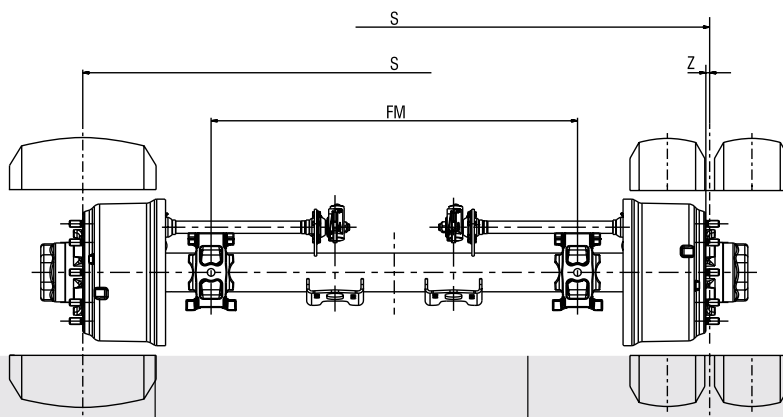
with drum brakes
brake 420 x 200
for tyres 20" to 22,5"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
GKH2 10510 4220 O 127	10500	0	2040	1200	385/65 R22,5 ² 425/65R22,5	1850	980		10/280.8/335 M22x1,5	fig. 03 fig. 22 fig. 24
						1880	980			
			2040	1300		1950	1100			

Compact Bearing Axles

with drum brakes
brake 420 x 200
for tyres 20" to 22,5"



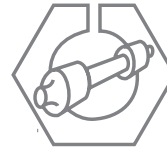
TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
GH7 12010 4220 O 127	12000	0	2040	1200	445/65 R22,5 ²	1850	900	12 R22,5	10/280.8/335 M22x1,5	fig. 03 fig. 22 fig. 24
						1880	900			

Standard programme / extended programme, other dimensions on request.

2) axle charge of tyre acc. to producer's information

4) track + 2 x thickness of the wheel rim (Z)

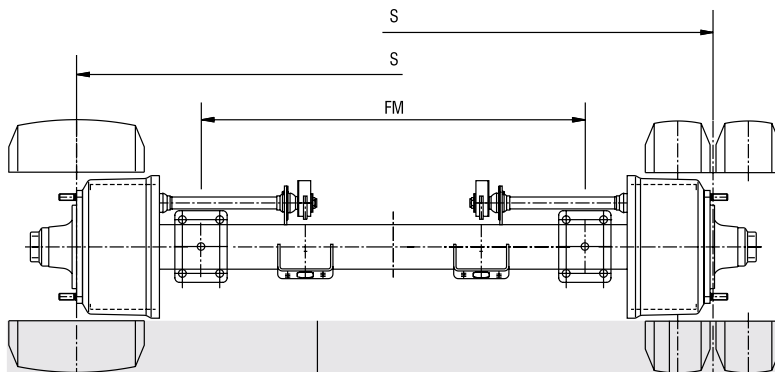
5) survey on page 10



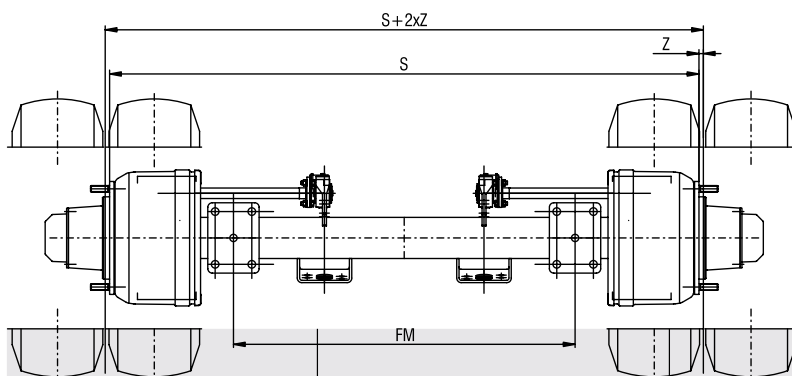
RIGID AXLES with drum brakes

1

Compact Bearing Axles with drum brakes brake 420 x 200 for tyres 20" to 24"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING (mm)	EXAMPLE OF TYRE		
GVH4 14010 4220 □ 150	14000	0				1820	900		10/280.8/335 M24x1,5	fig. 08
						1850	900	12.00 R24		
						1880	900	13.00 R22,5 ²		
GVH4 16010 4220 □ 150	16000	0				1820	900	12.00 R24		
						1880	900			



Compact Bearing Axles with drum brakes brake 420 x 200 for tyres 20" to 24"

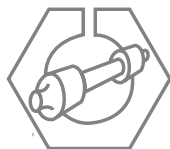
										
TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING (mm)	EXAMPLE OF TYRE		
SV2 18010 4220 ■ 140	18000	0				1800	700	14.00 R20	10/280.8/335 M22x1,5	fig. 08
						1900	800			
SV2 20010 4220 ■ 140	20000	0				1900	700	14.00 R20 ²	10/280.8/335 M24x1,5	
						2000	800			

Standard programme / extended programme, other dimensions on request.

2) axle charge of tyre acc. to producer's information

4) track + 2 x thickness of the wheel rim (Z)

5) survey on page 10

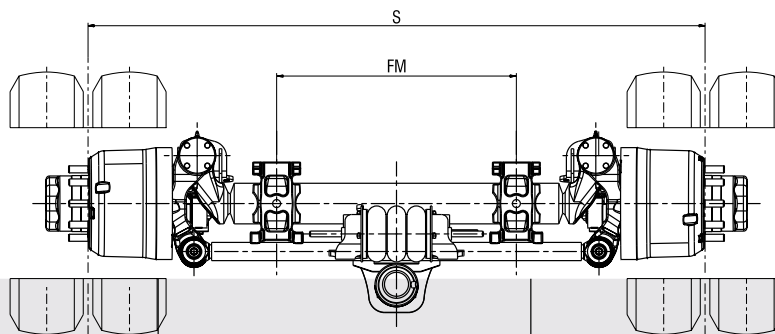


1

SELF STEERING AXLES with drum brakes

Compact Bearing Axles

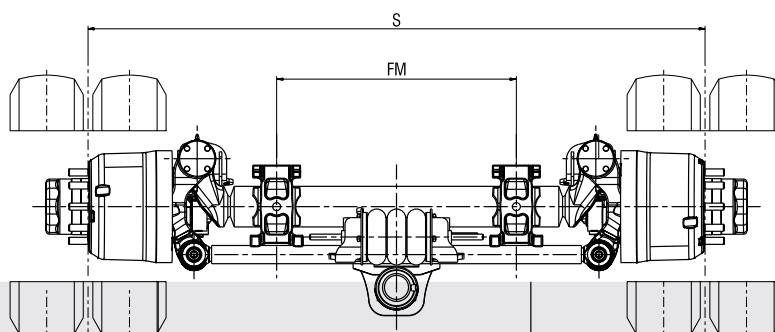
with drum brakes
brake 300 x 200
for tyres 15" to 17,5"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
GNKH2 10510 3020 O 127	10500	0				1830	depending on steering- angle and tyres	245/70 R17,5	10/175.8/225 M22x1,5	fig. 03 fig. 22 fig. 24
						1925				
						1950				
						2010				

Compact Bearing Axles

with drum brakes
brake 300 x 200
for tyres 15" to 17,5"



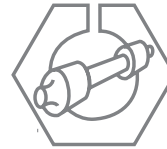
TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
GNKH2 12010 3020 O 127	12000	0				1830	depending on steering- angle and tyres	245/70 R17,5 ²	10/175.8/225 M22x1,5	fig. 03 fig. 22 fig. 24
						1925				
						1950				
						2010				

Standard programme / extended programme, other dimensions on request.

2) axle charge of tyre acc. to producer's information

4) track + 2 x thickness of the wheel rim (Z)

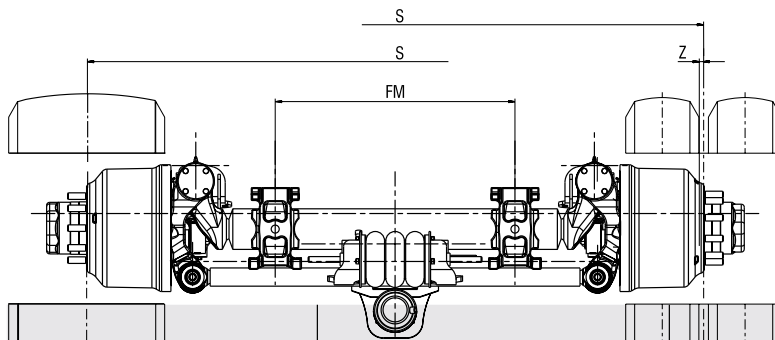
5) survey on page 10



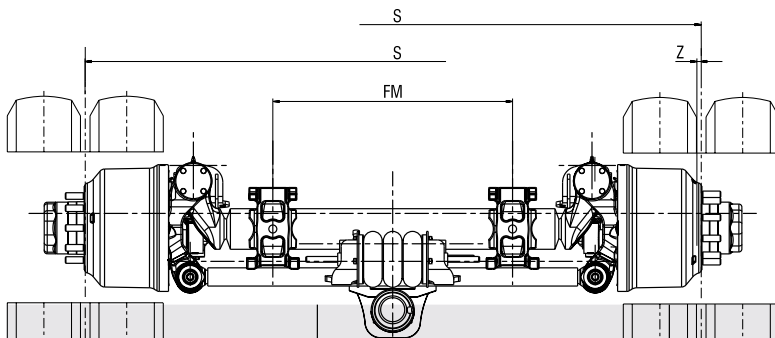
SELF STEERING AXLES with drum brakes

1

Compact Bearing Axles with drum brakes brake 360 x 200 for tyres 19,5"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
GNKH2 10508 3620 O 127	10500	0	2040	depending on steering- angle and tyres	445/65 R19,5	1830	depending on steering- angle and tyres	265/70 R19,5	8/220.8/275 M22x1,5	fig. 03 fig. 08 fig. 22 fig. 24
						1930				
						1950				
GNKH2 10510 3620 O 127	10500	0	2040	depending on steering- angle and tyres	445/65 R19,5	1830	depending on steering- angle and tyres	265/70 R19,5	10/175.8/225 M22x1,5	fig. 03 fig. 08 fig. 22 fig. 24
						1930				
						1950				



Axles with drum brakes brake 360 x 200 for tyres 19,5"

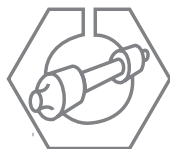
TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
GNH6 12008 3620 O 127	12000	0				1830	depending on steering- angle and tyres	285/70 R19,5 ²	8/220.8/275 M22x1,5	fig. 03 fig. 08 fig. 22 fig. 24
						1930				

Standard programme / extended programme, other dimensions on request.

2) axle charge of tyre acc. to producer's information

4) track + 2 x thickness of the wheel rim (Z)

5) survey on page 10

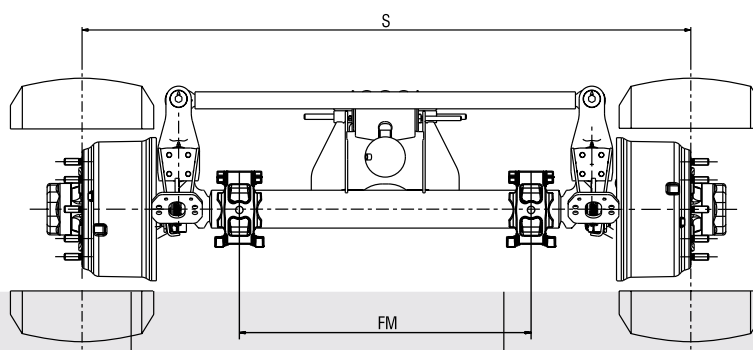


1

SELF STEERING AXLES with drum brakes

Compact Bearing Axles

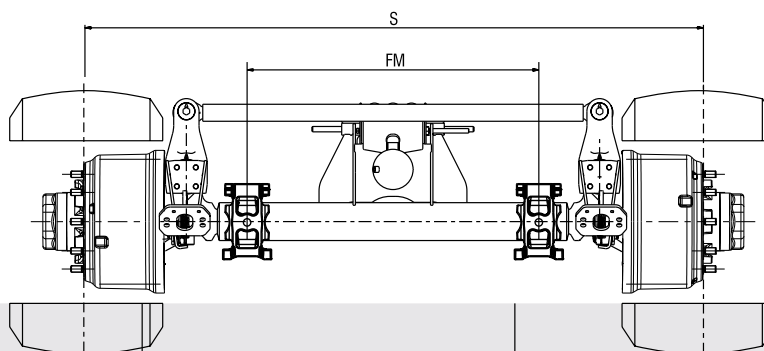
with drum brakes
brake 420 x 200
for tyres 22,5"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
GNK2 12010 4220 ● 127	12000	0	2040	900	445/65 R22,5 ²	1850	depending on steering- angle and tyres	12 R22,5	10/280.8/335 M22x1,5	fig. 03 fig. 22 fig. 24
						1880				

Compact Bearing Axles

with drum brakes
brake 420 x 200
for tyres 22,5"



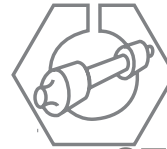
TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
GN7 12010 4220 ● 127	12000	0	2040	900	445/65 R22,5 ²	1850	depending on steering- angle and tyres	12 R22,5	10/280.8/335 M22x1,5	fig. 03 fig. 22 fig. 24
						1880				

Standard programme / extended programme, other dimensions on request.

2) axle charge of tyre acc. to producer's information

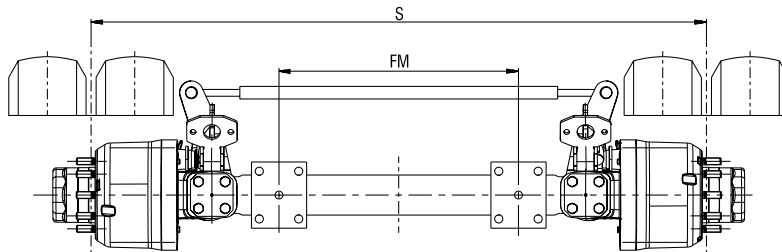
4) track + 2 x thickness of the wheel rim (Z)

5) survey on page 10



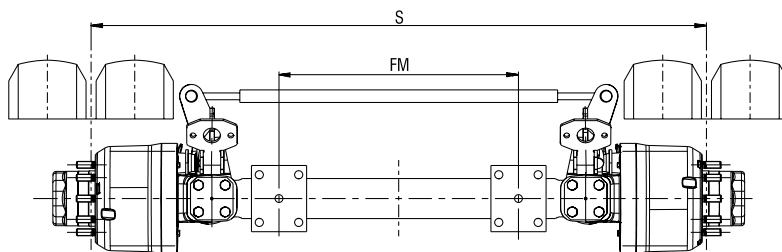
STEERING AXLES with drum brakes

1



Compact Bearing Axles with drum brakes brake 300 x 200 for tyres 15" to 17,5"

TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING (mm)	EXAMPLE OF TYRE		
GZK2 10510 3020 ● 127	10500	0				1950	depending on steering- angle and tyres	245/70 R17,5	10/175.8/225 M22x1,5	fig. 03 fig. 22 fig. 24
						2010				



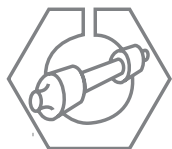
Compact Bearing Axles with drum brakes brake 300 x 200 for tyres 15" to 17,5"

TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING (mm)	EXAMPLE OF TYRE		
GZK2 12010 3020 ● 127	12000	0				1950	depending on steering- angle and tyres	245/70 R17,5	10/175.8/225 M22x1,5	fig. 03 fig. 22 fig. 24
						2010				

Standard programme / extended programme, other dimensions on request.

4) track + 2 x thickness of the wheel rim (Z)

5) survey on page 10

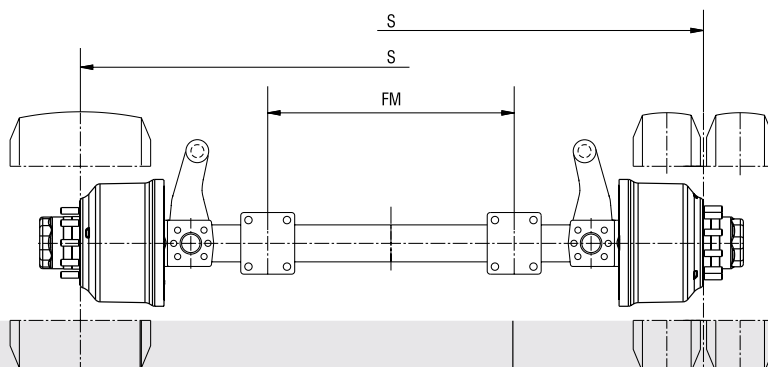


1

STEERING AXLES with drum brakes

Compact Bearing Axles

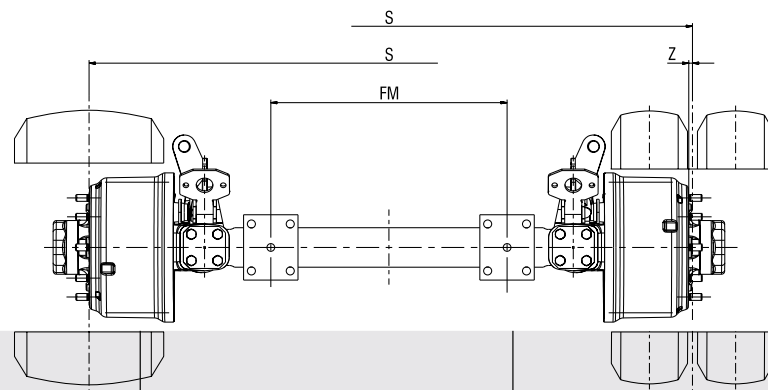
with drum brakes
brake 360 x 200
for tyres 19,5"



TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
GZK2 10508 3620 ● 127	10500	0	2040	depending on steering- angle and tyres	445/65 R19,5	1830	depending on steering- angle and tyres	265/70 R19,5	8/220.8/275 M22x1,5	fig. 03 fig. 22 fig. 24
						1930				
						1950				
GZK2 10510 3620 ● 127	10500	0	2040	depending on steering- angle and tyres	445/65 R19,5	1830	depending on steering- angle and tyres	265/70 R19,5	10/175.8/225 M22x1,5	fig. 03 fig. 22 fig. 24
						1930				
						1950				
GZK2 12008 3620 ● 127	12000	0				1830		285/70 R19,5 ²	8/220.8/275 M22x1,5	
						1930				

Compact Bearing Axles

with drum brakes
brake 420 x 200
for tyres 22,5"



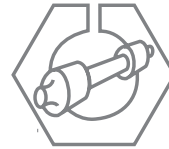
TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK ⁴ (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
GZ7 12010 4220 ● 127	12000	0	2040	depending on steering- angle and tyres	445/65 R22,5	1850	depending on steering- angle and tyres	12 R22,5	10/280.8/335 M22x1,5	fig. 03 fig. 22 fig. 24
						1880				

Standard programme / extended programme, other dimensions on request.

2) axle charge of tyre acc. to producer's information

4) track + 2 x thickness of the wheel rim (Z)

5) survey on page 10

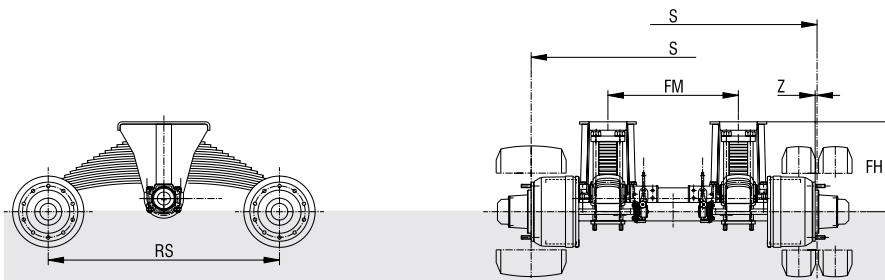


BOGIES

1

Bogies

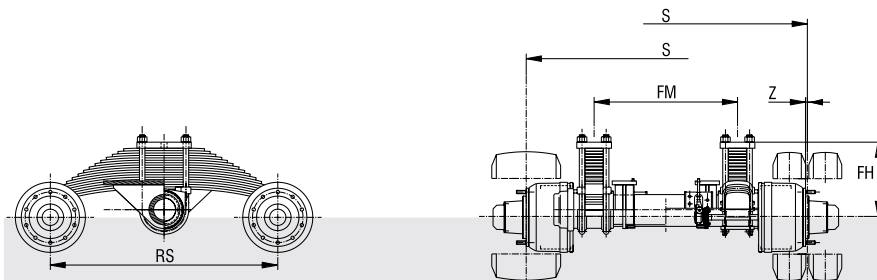
straddle mount
with drum brakes
brake 420 x 200



TYPE OF BOGIE	AXLELOAD (kg)	S TRACK ⁴ (mm)	FM SPRING TRACK (mm)	AM (mm)	RS (mm)	FH (mm)	EXAMPLE OF TYRE		NUMBER OF STUDS
							SINGLE	TWIN	
SBB 2 10510 4220	10500	1800	900		1370	445	(13 R22,5) ⁶	11 R22,5	10/208.8/335 M22x1,5
SBB 2 13010 4220	13000	1800	900		1370	450	(13 R22,5) ⁶	12 R22,5	

Bogies

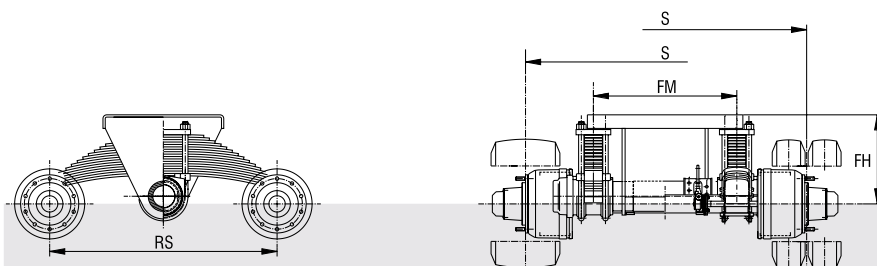
low mount
with drum brakes
brake 420 x 200



TYPE OF BOGIE	AXLELOAD (kg)	S TRACK ⁴ (mm)	FM SPRING TRACK (mm)	AM (mm)	RS (mm)	FH (mm)	EXAMPLE OF TYRE		NUMBER OF STUDS
							SINGLE	TWIN	
SBI 2 13010 4220	13000	1800	980	660	1370	215	13 R22,5 ⁶	11 R22,5	10/208.8/335 M22x1,5
SBI 2 14010 4220	14000	1800	900	520	1500	210	12.00 R24 ⁶		
SBI 2 16010 4220	16000	1800 2125	900 1150	520 700	1550	210	12.00 R20 ⁶	12.00 R24 14.00 R24	

Bogies

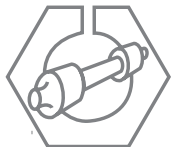
high mount
with drum brakes
brake 420 x 200



TYPE OF BOGIE	AXLELOAD (kg)	S TRACK ⁴ (mm)	FM SPRING TRACK (mm)	AM (mm)	RS (mm)	FH (mm)	EXAMPLE OF TYRE		NUMBER OF STUDS
							SINGLE	TWIN	
SBZ 2 13010 4220	13000	1800	980		1370	640	(13 R22,5) ⁶	12.00 R20	10/208.8/335 M22x1,5
SBZ 2 14010 4220	14000	1800	900		1500	590	(12.00 R24) ⁶		
SBZ 2 16010 4220	16000	1800 2125	900 1150		1550	610	(14.00 R20) ⁶	12.00 R24	

4) track +2 x thickness of the wheel rim (Z)

6) only fir offset = 0 mm



1

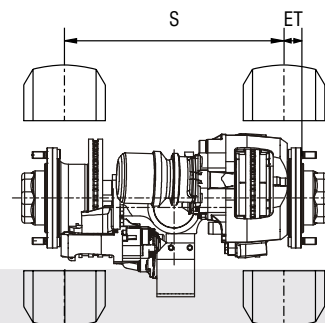
WALKING BEAM AXLES with drum brakes

Walking Beam Axles

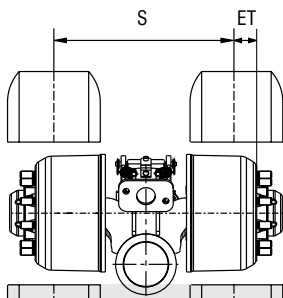
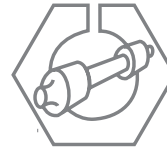
with disc brake

D377 x 45

for tyres 19,5"



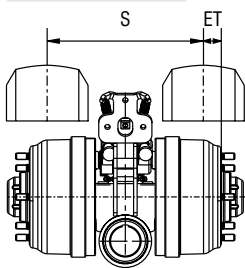
TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES ⁵
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE		
DOKPS 06708 3745	6700	65	680		285/70 R19,5				8/220.8/275 M22x1,5	



Walking Beam Axles

with drum brake
Brake 305 x 150
for tyre 15" - 19,5"

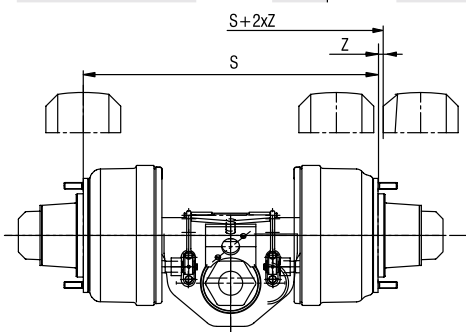
											
TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE			TWIN TYRE			NUMBER OF STUDS	POSSIBLE AXLE PLATES	
			TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE	TRACK (mm)	SPRING TRACK (mm)	EXAMPLE OF TYRE			
SPS 07010 3015	7000	55	540		265/75 R17,5				10/175.8/225 M22x1,5		
SPS 07510 3015	7500	0	735		215/75 R17,5						
SPS 10010 3015	10000	0									



Walking Beam Axles

with drum brake
Brake 355 x 150
for tyre 15" - 19,5"

TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE		TWIN TYRE		NUMBER OF STUDS	POSSIBLE AXLE PLATES
			TRACK (mm)	SPRING TRACK (mm)	TRACK (mm)	SPRING TRACK (mm)		
SPS 06508 3515	6500	66	518		285/70 R19,5		8/220.8/275 M22x1,5	
SPS 07008 3515	7000	66	518					
SPS 07008 3515	7000	66	570					
SPS 07008 3515	7000	66	620					

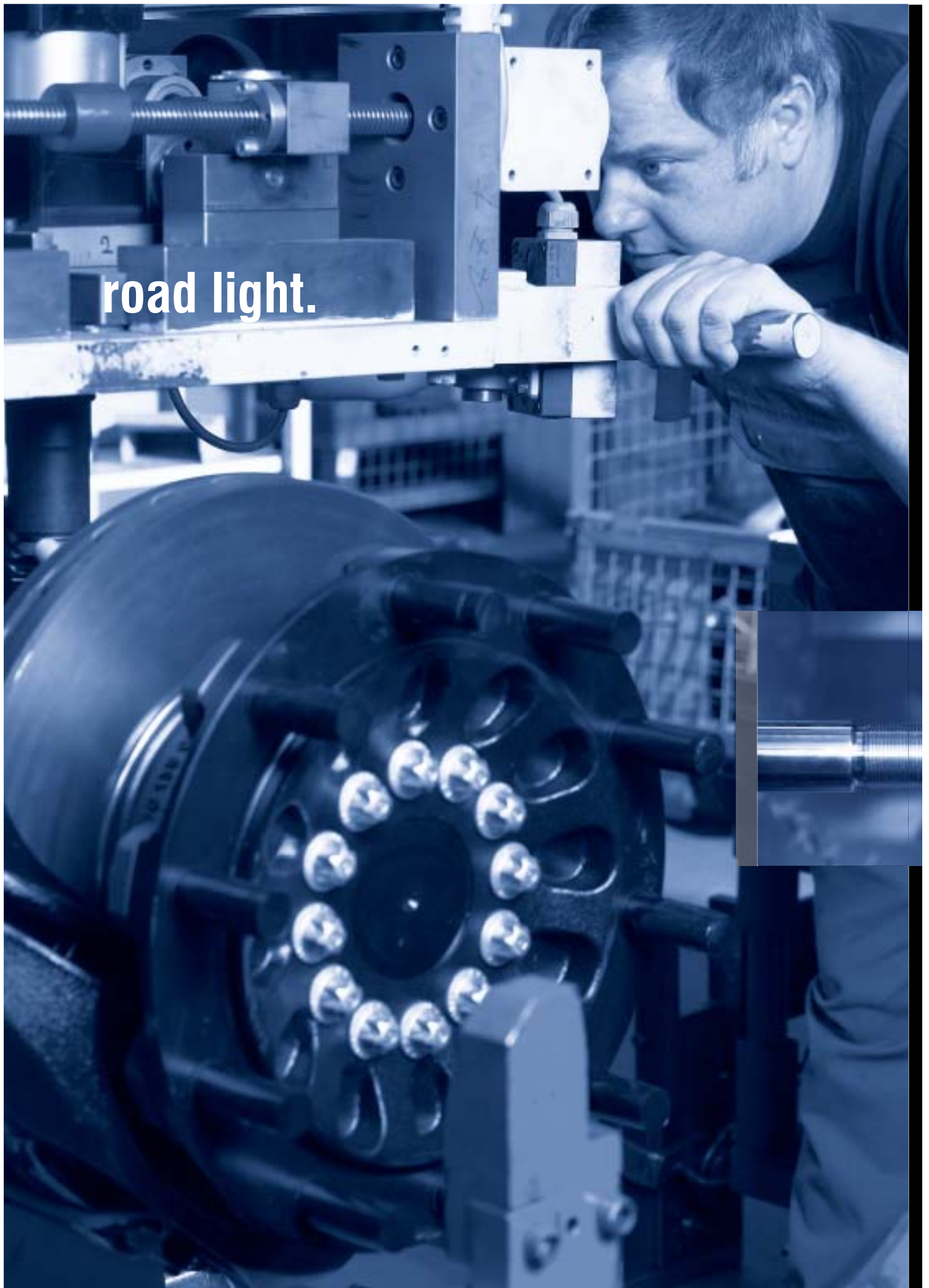


Walking Beam Axles

with drum brake
brake 420 x 200
for tyre 20" - 22,5"

TYPE OF AXLE AXLE BEAM	AXLE LOAD (kg)	ET (mm)	SINGLE TYRE		TWIN TYRE		NUMBER OF STUDS	POSSIBLE AXLE PLATES
			TRACK (mm)	SPRING TRACK (mm)	TRACK (mm)	SPRING TRACK (mm)		
SPS 13010 4220	13000	0	1000		12.00 R20 13.00 R22,5	11.00 R22,5 12.00 R24	10/280.8/335 M22x1,5	
SPS 14010 4220	14000	0	995					
SPS 18010 4220	18000	0	1125					

road light.





air suspension made by gigant.



Light as a feather, space-saving and universal.
The **gigant** air suspension units provide smooth driving comfort and effective suspension.

Less in all the parts results in more in the sum: our air bellows are real light-weights. Dispensing with the piston bottom plate in addition to other improvements has radically reduced the weight. The optimised suspension brackets can now operate up to three ride heights at one time. Heights from 240 to 375 mm can be covered by one single bracket. The axle lift is a further benefit. This can now be retrofitted without welding and loosening the spring pivot bolts. Neither does our spring beam 70 need any more than is absolutely necessary: a spring beam of only 70 mm width is used in the **gigant** axle system for 9.0 ton axle load.

Long service life, maintenance-free and effective functionality make driving easier.

With optimised technology from gigant!





AIR- SUSPENSION

2 EXPLANATION of Suspension Symbols

.1 .1 = one-leaf Spring
 w/o = two-leaf spring

/9 load per axle (tonnes) on road, speed 105 km/h (dependent
 on spring track and centre of gravity, possibly increase of 1 t
 load per axle)

50 front length (L1) of spring (cm)

M H = bracket height: 385 mm
 O = Bracket height: 285 mm
 M = Bracket height: 245 mm
 S = Bracket height: 190 mm
 T = Bracket height: 160 mm
 w/o = Bracket height: 335 mm

Z Z = shock absorber pin to be welded to the beam on
 installation
 w/o = shock absorber pin at suspension bracket

KLR LR = air suspension with bellow ø 360
 KLR = air suspension with bellow ø 300

N N = with spring type NLR (cranked spring)
 T = with spring type TLR
 (for low loader model = spring underslung)
 w/o = with spring type LR



gigant 
the driving force

AIR- SUSPENSION

FB 70

2

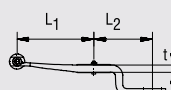
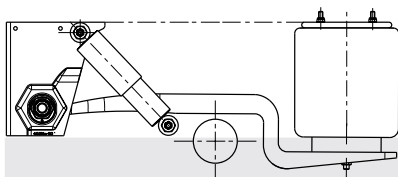
for gigant axles

RIDE HEIGHT: appr. 240 - 530 mm

BELLOW: Ø 300 mm

LIFT IN TOTAL: 180 mm

SPRING WIDTH: 70 mm



MODEL	FH ride height	RS wheel base min.	PERM. AXLE LOAD (kg)	DESCRIPTION	L1	L2	t	EH inst. height	LOWERING	DRAWING NO.
NKLRT	240 - 300	1150	9000	NKLRT FB70 240	500	380	56			
	280 - 340	1150		NKLRT FB70 280			56			
NKLRM	315 - 375	1150	9000	NKLRM FB70 315	500	380	56			
	355 - 415	1150		NKLRM FB70 355			56			
KLRM	390 - 450	1080	9000	KLRM FB70 390	500	310	56			
KLR	470 - 530	1080	9000	KLR FB70 470	500	310	56			



AIR- SUSPENSION

2

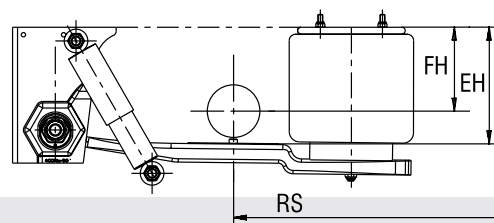
TKLR

RIDE HEIGHT: appr. 215 - 360 mm

BELLOW: Ø 300 mm

LIFT IN TOTAL: 180 mm

SPRING WIDTH: 80 mm



MODEL	FH ride height	RS wheel base min.	PERM. AXLE LOAD (kg)	ORDER NO.	DESCRIPTION	L1	L2	t	EH inst. height	LOWERING	DRAWING NO.
TKLRM	215 - 265	995	6500 ⁸	00687083	TKLRM 43/6,5.1	430	285	1x 45 ²	280 +50/-0	ca. 60	71.442-4
TKLRO	230 - 280			00687082	TKLRO 43/6,5.1				320 ±25	ca. 85	71.437-4
TKLR	275 - 325			00687084	TKLR 43/6,5.1				370 +20/-30	ca. 91	71.443-4
TKLR	310 - 360			00687085	TKLR 43/6,5.1				400 ±25	ca. 80	71.444-4

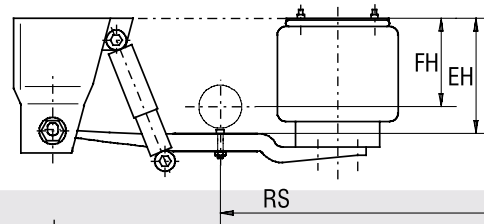
TKLR

RIDE HEIGHT: appr. 150 - 360 mm

BELLOW: Ø 300 mm

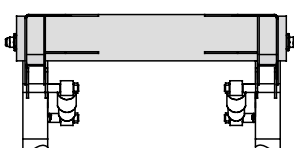
LIFT IN TOTAL: 200 mm

SPRING WIDTH: 70 mm



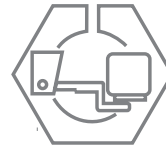
MODEL	FH ride height	RS wheel base min.	PERM. AXLE LOAD (kg)	ORDER NO.	DESCRIPTION	L1	L2	t	EH inst. height	LOWERING	DRAWING NO.
TKLRH	290 - 350	1135	9000	00687504	TKLRH 50/9.1	500	350	1x 51	392 +40/-20	ca. 85	71.027-4
			10000 ⁹	00687508	TKLRH 50/12.1			1x 56			
	280 - 340	1205	9000	00687514	TKLRH 50.42/9.1	500	420	1x 51	392 ±30	ca. 100	71.037-4
TKLR	230 - 290	1135	9000	00687524	TKLR 50/9.1	500	350	1x 51	342 ±30	ca. 85	71.028-4
			10000 ⁹	00687528	TKLR 50/12.1			1x 56			
TKLRO	200 - 260	1135	9000 ⁹	00687544	TKLRO 50/9.1	500	350	1x 51	292 +50/-0	ca. 65	71.029-4
			10000 ⁹	00687548	TKLRO 50/12.1		350	1x 56		ca. 60	71.039-4
		1205	9000	00687554	TKLRO 50.42/9.1		420	1x 51			
TKLRM	190 - 250	1135	9000	00630860	TKLRM 50/9.1	500	350	1x 51	274 +40/-0	ca. 60	71.083-4
			10000 ⁹	00630861	TKLRM 50/12.1		350	1x 56			71.074-4
		1205	9000	00630855	TKLRM 50.42/9.1		420	1x51			
TNKLRZS	150 - 190	1165	9000	00630862	TNKLRSZS 50/9.1	500	380	1x 51	228 +40/-0	ca. 60	71.072-4
			10000 ⁹	00631032	TNKLRSZS 50/12.1			1x 56	233 +40/-0		

All suspensions displayed on this page are also available with a **C-Profil**.



8) spring width 80 mm

9) limited by pressure of bellow



AIR- SUSPENSION

TLR

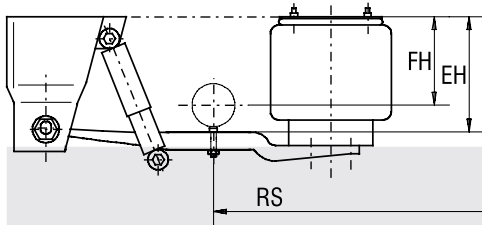
RIDE HEIGHT: appr. 150 - 350 mm

BELLOW: Ø 360 mm

LIFT IN TOTAL: 200 mm

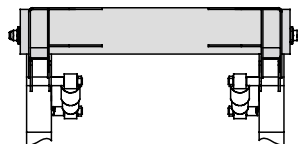
SPRING WIDTH: 100 mm

2



MODEL	FH ride height	RS wheel base min.	PERM. AXLE LOAD (kg)	ORDER NO.	DESCRIPTION	L1	L2	t	EH inst. height	LOWERING	DRAWING NO.
TLRH	290 - 350	1165	9000	00688504	TLRH 50/9.1	500	350	1x 51	392 +40/-20	ca. 85	71.024-4
			12000	00688508	TLRH 50/12.1			1x 56		ca. 90	
				00688509	TLRH 50/12			2x 43		ca. 90	
	280 - 340	1235	9000	00688514	TLRH 50.42/9.1	420	420	1x 51	392 ±30	ca. 100	71.034-4
			13000	00688511	TLRH 50.42/13			2x 48		ca. 105	
TLR	230 - 290	1165	9000	00688524	TLR 50/9.1	500	350	1x 51	342 ±30	ca. 90	71.025-4
			12000	00688528	TLR 50/12.1			1x 56		ca. 95	
				00688529	TLR 50/12.1			2x 43		ca. 95	
	240 - 300	1235	9000	00688534	TLR 50.42/9.1	420	420	1x 51	341 +30/-20	ca. 90	71.033-4
			13000	00688531	TLR 50.42/13			2x 48		ca. 90	
TLRO	200 - 260	1165	9000	00688544	TLRO 50/9.1	500	350	1x 51	292 +50/-0	ca. 65	71.026-4
			12000	00688548	TLRO 50/12.1			1x 56		ca. 65	
				00688549	TLRO 50/12			2x 43		ca. 65	
		1235	9000	00688554	TLRO 50.42/9.1	420	420	1x 51	292 +50/-0	ca. 60	71.035-4
			13000	00688551	TLRO 50.42/13			2x 48		ca. 65	
TLRM	190 - 250	1165	9000	00630863	TLRM 50/9.1	500	350	1x 51	274 +40/-0	ca. 60	71.060-4
			12000	00630842	TLRM 50/12.1			1x 56		ca. 60	
				00630864	TLRM 50/12			2x 43		ca. 60	
		1235	9000	00630865	TLRM 50.42/9.1	420	420	1x 51	274 +40/-0	ca. 60	71.066-4
			13000	00630847	TLRM 50.42/13			2x 48		ca. 60	
TNLRZS	150 - 190	1195	9000	00630866	TNLRZS 50/9.1	500	380	1x 51	228 +40/-0	ca. 60	71.071-4
			10000 ⁹⁾	00631031	TNLRZS 50/12.1			1x 56		ca. 60	

All suspensions displayed on
this page are also available
with a **C-Profil**.



9) limited by pressure of bellow



AIR- SUSPENSION

2

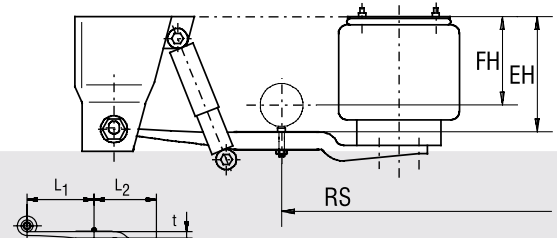
TLR

RIDE HEIGHT: appr. 230 - 350 mm

BELLOW: Ø 360 mm

LIFT IN TOTAL: 250 mm

SPRING WIDTH: 100 mm



												
MODEL	FH ride height	RS wheel base min.	PERM. AXLE LOAD (kg)	ORDER NO.	DESCREPTION	L1	L2	t	EH inst. height	LOWERING	DRAWING NO.	
TLRH	290 - 350	1165	9000	00689504	TLRH 50/9.1	500	350	1x 51	392 +40/-20	ca. 85	71.024-4	
			12000	00689508	TLRH 50/12.1			1x 56				
				00689509	TLRH 50/12			2x 43				
	280 - 340	1235	9000	00689514	TLRH 50.42/9.1	420	1x 51	392 ±30	ca. 95	71.034-4		
			13000	00689511	TLRH 50.42/13		2x 48	391 ±30				
	TLR	230 - 290	1165	9000	00689524	TLR 50/9.1	500	350	1x 51	342 +50/-0	ca. 70	71.025-4
12000				00689528	TLR 50/12.1	1x 56			342 +40/-10			
				00689529	TLR 50/12	2x 43						
240 - 300		1235	9000	00689534	TLR 50.42/9.1	420	1x 51	342 +50/-0	ca. 65	71.033-4		
			13000	00689531	TLR 50.42/13		2x 48	341 +40/-10	ca. 70			

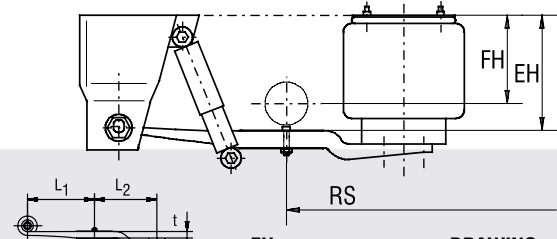
TLR

RIDE HEIGHT: appr. 210 - 360 mm

BELLOW: Ø 360 mm

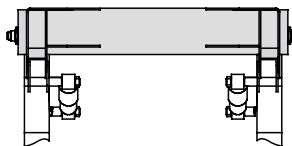
LIFT IN TOTAL: 300 mm

SPRING WIDTH: 100 mm



MODEL	FH ride height	RS wheel base min.	PERM. AXLE LOAD (kg)	ORDER NO.	DESCREPTION	L1	L2	t	EH inst. height	LOWERING	DRAWING NO.
TLRH	300 - 360	1355	10000	00680507	TLRH 72/10	720	320	2x 52	391 +40/-20	ca. 85	71.030-4
TLR	250 - 310			00680527	TLR 72/10				341 +40/-10	ca. 75	71.031-4
TLRM	210 - 270			00680567	TLRM 72/10				292 +50/-0	ca. 60	71.032-4

All suspensions displayed on
this page are also available
with a **C-Profil**.

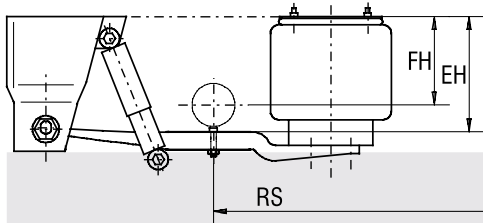




AIR-SUSPENSION

TLR

2



RIDE HEIGHT: appr. 260 - 350 mm

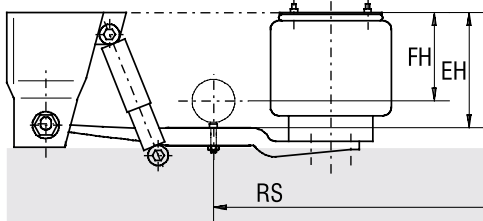
BELLOW: Ø 360 mm

LIFT IN TOTAL: 350 mm

SPRING WIDTH: 100 mm

MODEL	FH ride height	RS wheel base min.	PERM. AXLE LOAD (kg)	ORDER NO.	DESCRIPTION	L1	L2	t	EH inst. height	LOWERING	DRAWING NO.
TLRH	290 - 350	1355	10000	00630868	TLRH 72/10	720	320	2x 52	391 +40/-10	ca. 70	71.085-4
TLR	260 - 310			00630869	TLR 72/10				345 +50/-10	ca. 60	71.086-4

TLR



RIDE HEIGHT: appr. 310 - 370 mm

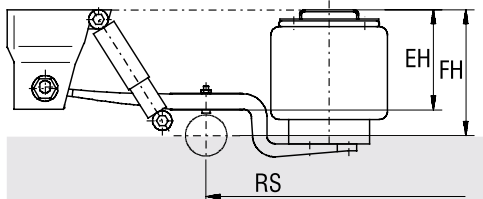
BELLOW: Ø 360 mm

LIFT IN TOTAL: 410 mm

SPRING WIDTH: 100 mm

MODEL	FH ride height	RS wheel base min.	PERM. AXLE LOAD (kg)	ORDER NO.	DESCRIPTION	L1	L2	t	EH inst. height	LOWERING	DRAWING NO.
TLRH	310 - 370	1355	10000	0060867	TLRH 72/10	720	320	2x 52	391 +40/-10	ca. 65	71.084-4

NKL



RIDE HEIGHT: appr. 300 - 450 mm

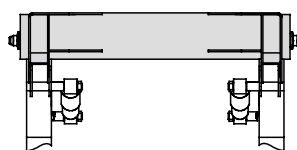
BELLOW: Ø 300 mm

LIFT IN TOTAL: 180 mm

SPRING WIDTH: 100 mm

MODEL	FH ride height	RS wheel base min.	PERM. AXLE LOAD (kg)	ORDER NO.	DESCRIPTION	L1	L2	t	EH inst. height	LOWERING	DRAWING NO.
NKLRO	390 - 450	1135	9000	00631023	NKLRO 50.35/9.1	500	350	1x 48	352 ±30	ca. 100	71.205-4
NKLRM	350 - 400			00631022	NKLRM 50.35/9.1				312 +10/-40	ca. 120	71.206-4
NKLRT	300 - 350			00631021	NKLRT 50.35/9.1				227 +50/-0	ca. 70	71.204-4

All suspensions displayed on this page are also available with a **C-Profil**.



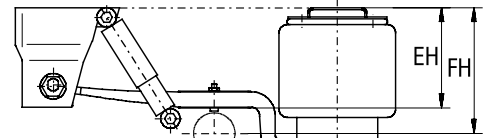


AIR- SUSPENSION

2

NLR

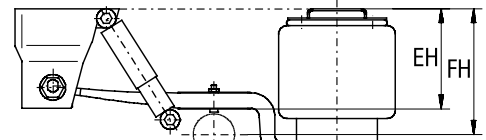
RIDE HEIGHT: appr. 300 - 450 mm
BELLOW: Ø 300 mm
LIFT IN TOTAL: 200 mm
SPRING WIDTH: 100 mm



MODEL	FH ride height	RS wheel base min.	PERM. AXLE LOAD (kg)	ORDER NO.	DESCRIPTION	L1	L2	t	EH inst. height	LOWERING	DRAWING NO.
NLRO	390 - 450	1195	12000	00683508	NLRO 50/12.1	500	380	1x 56	352 ±30	ca. 100	71.010-4
				00683509	NLRO 50/12			2x 43			
NLRM	370 - 430	1195	12000	00683528	NLRM 50/12.1	500	380	1x 56	312 +40/-10	ca. 75	71.011-4
				00683529	NLRM 50/12			2x 43			
NLRS	320 - 380	1195	12000	00683568	NLRS 50/12.1	500	380	1x 56	257 +40/-10	ca. 80	71.012-4
				00683569	NLRS 50/12			2x 43			
NLRT	300 - 360	1195	12000	00683548	NLRT 50/12.1	500	380	1x 56	229 +50/-0	ca. 60	71.013-4
				00683549	NLRT 50/12			2x 43		ca. 65	

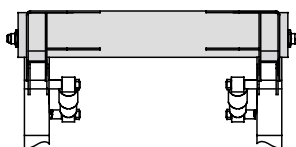
NLR

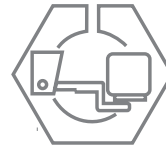
RIDE HEIGHT: appr. 320 - 450 mm
BELLOW: Ø 360 mm
LIFT IN TOTAL: 250 mm
SPRING WIDTH: 100 mm



MODEL	FH ride height	RS wheel base min.	PERM. AXLE LOAD (kg)	ORDER NO.	DESCRIPTION	L1	L2	t	EH inst. height	LOWERING	DRAWING NO.
NLRO	390 - 450	1195	9000	00686504	NLRO 50/9.1	500	380	1x 48	352 ±30	ca. 95	71.010-4
			12000	00686508	NLRO 50/12.1			1x 56			
				00686509	NLRO 50/12			2x 43			
NLRM	370 - 430	1195	9000	00686524	NLRM 50/9.1	500	380	1x 48	312 +40/-10	ca. 70	71.011-4
			12000	00686528	NLRM 50/12.1			1x 56			
				00686529	NLRM 50/12			2x 43	312 +50/-0		
NLRS	320 - 380	1195	9000	00686564	NLRS 50/9.1	500	380	1x 48	265 +50/-0	ca. 65	71.012-4
			12000	00686568	NLRS 50/12.1			1x 56			
				00686569	NLRS 50/12			2x 43			

All suspensions displayed on this page are also available with a **C-Profil**.



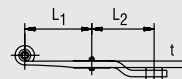
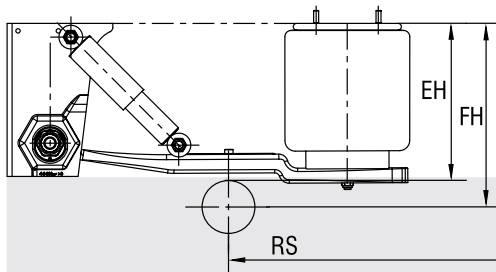


AIR- SUSPENSION

KLR

2

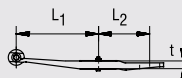
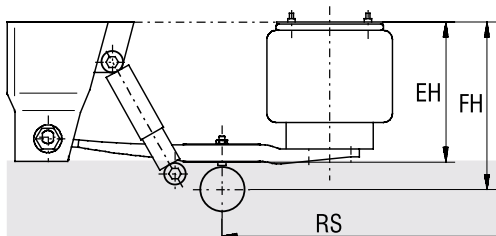
RIDE HEIGHT appr. 430 - 570 mm
BELLOW: Ø 300 mm
LIFT IN TOTAL: 180 mm
SPRING WIDTH: 80 mm



MODEL	FH ride height	RS wheel base min.	PERM. AXLE LOAD (kg)	ORDER NO.	DESCRIPTION	L1	L2	t	EH inst. height		DRAWING NO.
KLRM	395 - 445	995	6500	00681010	KLRM 43/6,5.1	430	285	1x45	329 +50/-0	ca. 62	71.452-4
KLRO	410 - 460			00681011	KLRO 43/6,5.1				369 ±25	ca. 88	71.453-4
KLR	450 - 500			00681012	KLR 43/6,5.1				419 +15/-35	ca. 95	71.454-4
KLR	490 - 540			00681013	KLR 43/6,5.1				444 +30/-20	ca. 80	71.455-4

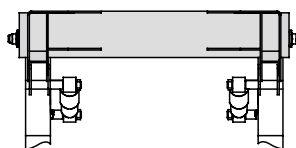
KLR

RIDE HEIGHT: appr. 440 - 550 mm
BELLOW: Ø 300 mm
LIFT IN TOTAL: 200 mm
SPRING WIDTH: 100 mm



MODEL	FH ride height	RS wheel base min.	PERM. AXLE LOAD (kg)	ORDER NO.	DESCRIPTION	L1	L2	t	EH inst. height	LOWERING	DRAWING NO.
KLRO	440 - 500	1095	9000	00681544	KLRO 50/9.1	500	310	1x 48	360 +50/-0	ca. 60	71.008-4
			10000 ⁹⁾	00681548	KLRO 50/12.1			1x 56			
KLR	450 - 510	1095	9000	00681524	KLR 50/9.1	500	310	1x 48	402 +40/-20	ca. 85	71.007-4
			10000 ⁹⁾	00681528	KLR 50/12.1			1x 56			
KLRH	490 - 550	1095	9000	00681504	KLRH 50/9.1	500	310	1x 48	452 ±30	ca. 100	71.006-4
			10000 ⁹⁾	00681508	KLRH 50/12.1			1x 56			

All suspensions displayed on
this page are also available
with a **C-Profil**.



9) limited by pressure of bellow



AIR- SUSPENSION

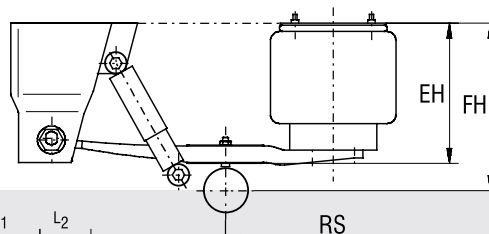
2 LR

RIDE HEIGHT: appr. 440 - 550 mm

BELLOW: Ø 360 mm

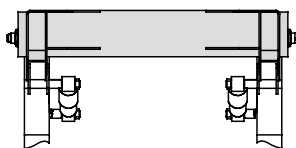
LIFT IN TOTAL: 200 mm

SPRING WIDTH: 100 mm



MODEL	FH ride height	RS wheel base min.	PERM. AXLE LOAD (kg)	ORDER NO.	DESCREPTION	L1	L2	t	EH inst. height	LOWERING	DRAWING NO.
LRH	490 - 550	1125	9000	00682504	LRH 50/9.1	500	310	1x 48	452 ±30	ca. 100	71.003-4
			12000	00682508	LRH 50/12.1			1x 56			
				00682509	LRH 50/12			2x 43			
LR	450 - 510	1125	9000	00682524	LR 50/9.1	500	310	1x 48	402 +40/-20	ca. 85	71.004-4
			12000	00682528	LR 50/12.1			1x 56			
				00682529	LR 50/12			2x 43			
LRO	440 - 500	1125	9000	00682544	LRO 50/9.1	500	310	1x 48	360 +50/-0	ca. 60	71.005-4
			12000	00682548	LRO 50/12.1			1x 56			
				00682549	LRO 50/12			2x 43			

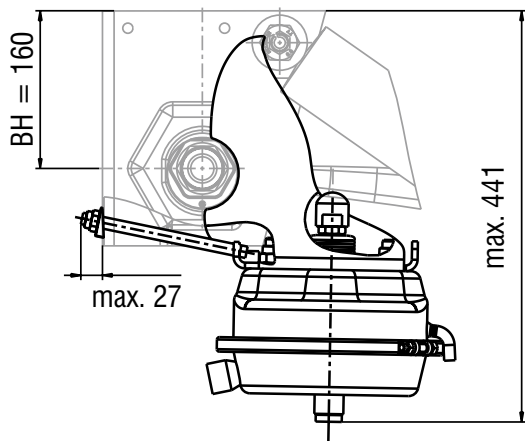
All suspensions displayed on this page are also available with a **C-Profil**.



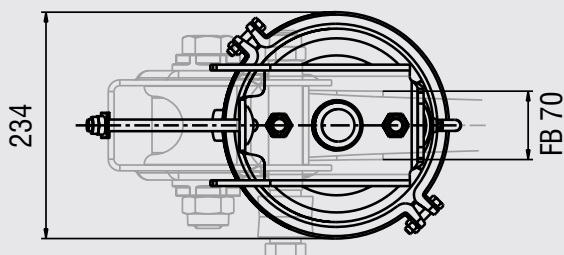


AXLE LIFT Twinlift FB70

2



← direction of travel



PLEASE OBSERVE:

For suspensions with

- one-leaf-spring with L1 = 500
- spring width 70 mm
- 180 mm total lift on the axle
- spring above the axle

(in case of different suspensions please contact gigant).

Max. weight to lift (axle, brakes, cylinders, rims, tyres etc.)
= 600 kg at 8 bar.

For further information see drawing no. 71.370-4.

Observe installation instruction I 081001

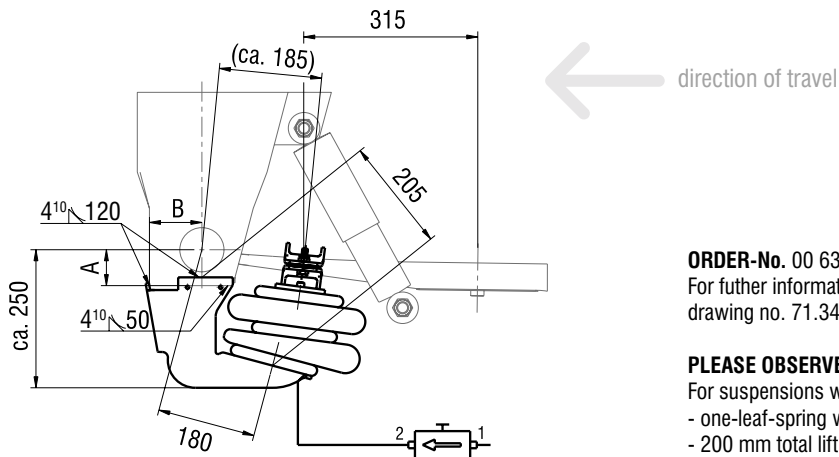
FUNCTIONING: The Twin lift is only supported by the front bracket. The Twin lift is working directly through the torque arms onto the axle. In order to guarantee a safe operation you have to use a control system which conforms to the corresponding EC or national regulations (i.e. Auto-Drop).

FOR SUSPENSION TYPE	ALs ⁹ Axle lifted	RIDE HEIGHT	ORDER NO.
NKLRT		FH 240 - 300	00631198
NKLRT		FH 280 - 340	00631208
NKLRM		FH 315 - 375	00631209
NKLRM		FH 355 - 415	00631210
KLRM		FH 390 - 450	00631232
KLR		FH 470 - 530	00631248



AXLE LIFT Twinlift FB 100

2



ORDER-No. 00 63 1171

For further information see
drawing no. 71.341-4.

PLEASE OBSERVE:

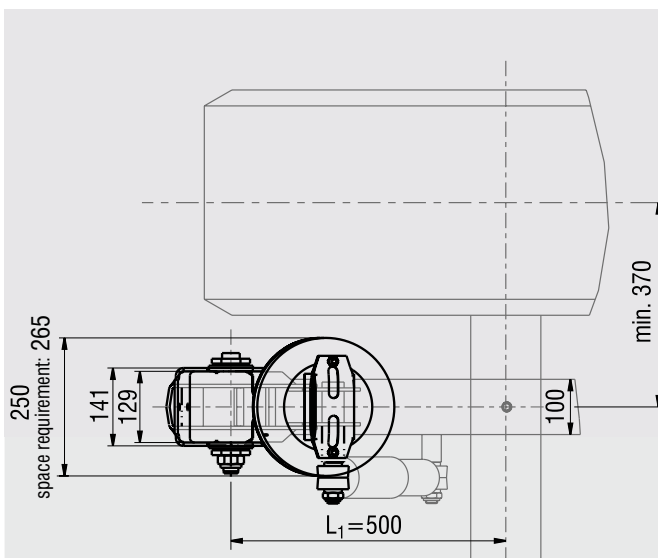
For suspensions with
- one-leaf-spring with $L_1 = 500$
- 200 mm total lift on the axle
- spring above the axle
(in case of different suspensions please contact gigant).

Max. weight to lift (axle, brakes, cylinders, rims, tyres etc.)
= 1.000 kg to 6 bar.

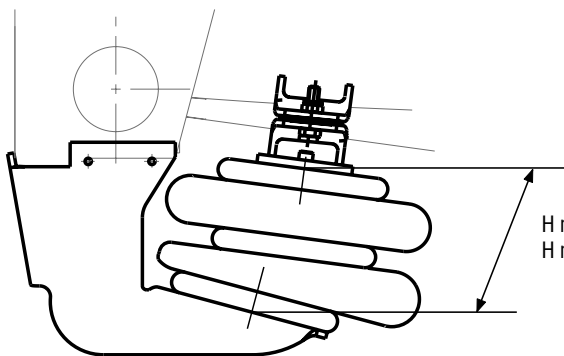
FUNCTIONING: The Twin lift is only supported by the front bracket. The Twin lift is working directly through the torque arms onto the axle. In order to guarantee a safe operation you have to use a control system which conforms to the corresponding EC or national regulations (i.e. Auto-Drop).

IN CASE OF RETEO FITTING PLEASE TAKE ATTENTION TO::

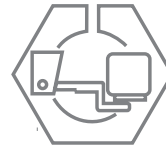
Dimension A = 60 to 70 mm;
Dimension B = 95 to 105 mm
Bracket width = 125 to 129 mm.



For spring with wrapper leaf:
assemble a rubber intermediate strip between spring
and wrapper leaf.

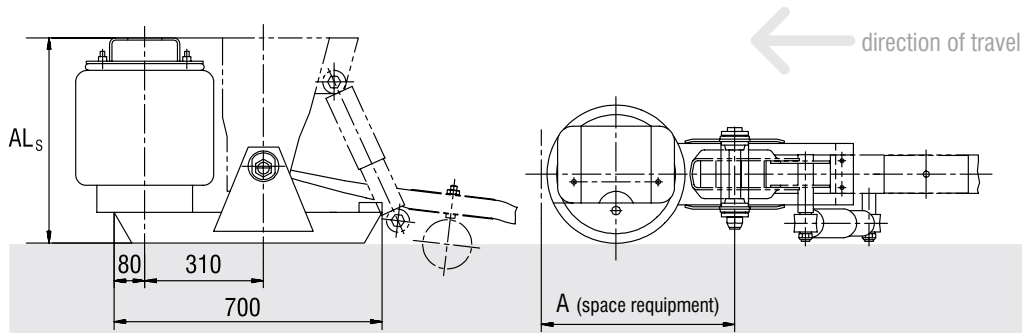


10) please avoid penetration notches and end craters



AXLE LIFT MAL, MAL-T

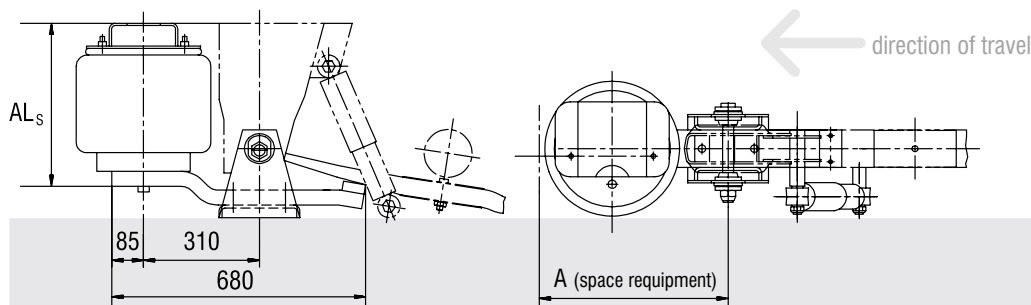
2



EAL
side axle lift

FOR TYPE OF SUSPENSION		ALs ⁹ Axle lifted	SIDE AXLE LIFT WITH BELLOW 3653 (Ø 360)			SIDE AXLE LIFT WITH BELLOW 3053 (Ø 300)		
			Type	Order No.	A	Type	Order No.	A
LRH 50	resp. KLRH 50	appr. 655	EAL-67	00630810	505	EALK-67	00630811	475
LR 50	resp. KLR 50	appr. 610	EAL-67	00630810	505	EALK-67	00630811	475
LRO 50	resp. KLRO 50	appr. 550	EAL	00630814	505	EALK	00630815	475
NLRO 50	resp. NKLR 50	appr. 570	EAL	00630814	505	EALK	00630815	475
NLRM 50	resp. NKLRM 50	appr. 520	EAL	00630815	505	EALK	00630815	475
NLRS 50	resp. NKLRS 50	appr. 480	EAL	00630816	505	EALK	00630815	475
NLRT 50	resp. NKLRT 50	appr. 485	EAL-H	00630816	505	EALK-H	00630817	475
TLRH 72 ¹¹		appr. 585	EAL-T67	00630812	505	-	-	-

The axle lift has to be mounted on the left or right side.



EAL-T
side axle lift
for low loader

FOR TYPE OF SUSPENSION		ALs ⁹ Axle lifted	SIDE AXLE LIFT WITH BELLOW 3653 (Ø 360)			SIDE AXLE LIFT WITH BELLOW 3053 (Ø 300)		
			Type	Order No.	A	Type	Order No.	A
TLRH 50	resp. TKLRH 50	appr. 605	EAL-T67	00630812	505	EALK-T67	00630813	475
TLR 50	resp. TKLR 50	appr. 555	EAL-T67	00630812	505	EALK-T67	00630813	475
TLRO 50	resp. TKLRO 50	appr. 490	EAL-T	00630818	505	EALK-T	00630809	475
TLRM 50	resp. TKLRM 50	appr. 450	EAL-T	00630818	505	EALK-T	00630809	475
TLR 72 ¹¹		appr. 535	EAL-T	00630818	505	-	-	-

Further information see drawing no.: 71.046-4

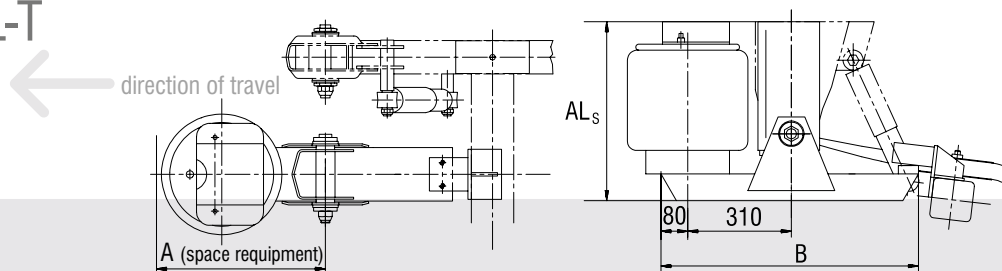
11) suspension with bellow 3661 / other suspensions with bellow 3653 resp. 3053



AXLE LIFT MAL, MAL-T

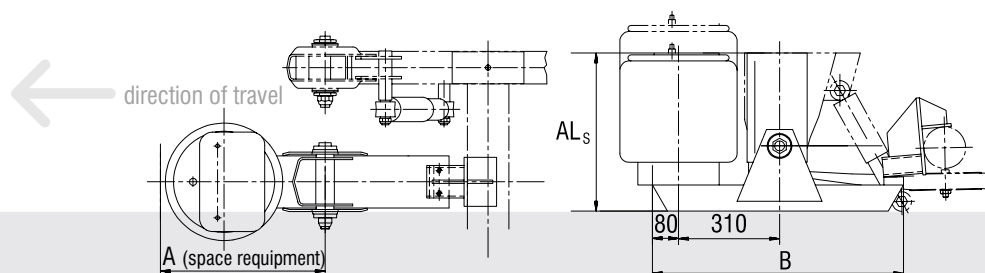
2

MAL Central Lift



FOR TYPE OF SUSPENSION		ALs ¹³ Axle lifted	CENTRAL AXLE LIFT WITH BELLOW 3653 (Ø 360)				CENTRAL AXLE LIFT WITH BELLOW 3653 (Ø 300)			
			Type	Order No.	A	B	Type	Order No	A	B
LRH 50	resp. KLRH 50	appr. 655	MAL-385/A/67	00630820	505	770	MALK-385/A/67	00630821	475	770
LR 50	resp. KLR 50	appr. 610	MAL-335/A/67	00630822	505	770	MALK-335/A/67	00630823	475	770
LRO 50	resp. KLRO 50	appr. 550	MAL-285/A	00630826	505	770	MALK-285/A	00630827	475	770
NLRO 50	resp. NKLR 50	appr. 570	MAL-285/A	00630826	505	770	MALK-285/A	00630827	475	770
NLRM 50	resp. NKLRM 50	appr. 520	MAL-245/A	00630828	505	770	MALK-245/A	00630829	475	770
NLRS 50	resp. NKLR 50	appr. 480	MAL-190/A	00630830	505	770	MALK-190/A	00630831	475	770
NLRT 50	resp. NKLR 50	appr. 440	MAL-190/A	00630830	505	770	MALK-190/A	00630831	475	770
KLRH 43 ¹²		appr. 690	-	-	-	-	MALK2-385/A/67	00630916	475	770
KLR 43 ¹²		appr. 630	-	-	-	-	MALK2-335/A/67	00630917	475	770
KLRO 43 ¹²		appr. 570	-	-	-	-	MALK2-285/A	00630918	475	770
TKLRH 43 ¹²		appr. 570	-	-	-	-	MALK2-T285/D	00630910	475	770
TKLR 43 ¹²		appr. 530	-	-	-	-	MALK2-T245/D	00630911	475	770
TKLRO 43 ¹²		appr. 460	-	-	-	-	MALK2-T190/D	00630912	475	770
TLRH 72 ¹¹		appr. 540	MAL3-T285/C	00630913	505	985	-	-	-	-
TLR 72 ¹¹		appr. 500	MAL3-T245/C	00630914	505	985	-	-	-	-
TLRM 72 ¹¹		appr. 440	MAL3-T190/C	00630915	505	985	-	-	-	-

MAL-T Central Lift for low loader



FOR TYPE OF SUSPENSION		ALs ¹³ Axle lifted	CENTRAL AXLE LIFT WITH BELLOW 3653 (Ø 360)				CENTRAL AXLE LIFT WITH BELLOW 3653 (Ø 300)			
			Type	Order No.	A	B	Type	Order No	A	B
TLRH 50	resp. TKLRH 50	appr. 530	MAL-T285/B	00630900	505	770	MALK-T285/B	00630901	475	770
TLR 50	resp. TKLR 50	appr. 500	MAL-T245/B	00630902	505	770	MALK-T245/B	00630903	475	770
TLRO 50	resp. TKLRO 50	appr. 455	MAL-T190/C	00630904	505	770	MALK-T190/C	00630905	475	770
TLRM 50	resp. TKLRM 50	appr. 415	MAL-T160/C	00630906	505	770	MALK-T160/C	00630907	475	770
TNLRZS 50	resp. TKNLRZS 50	appr. 410	MAL-T130/C	00630908	505	770	MALK-T130/C	00630909	475	770

Further information see drawing no.: 71.113-4 (for Type MAL and MALK) 71.114-4 (for Type MALK2 and MAL3).

11) suspension with bellow 3661 / other suspensions with bellow 3653 resp. 3053

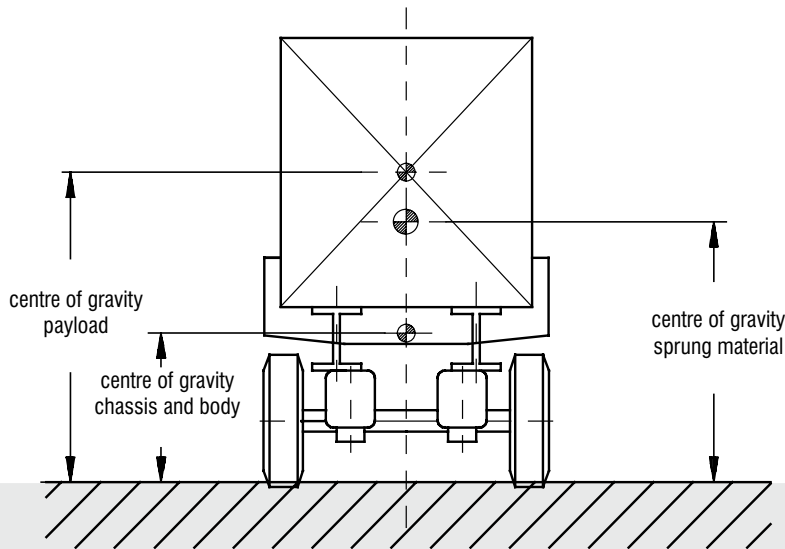
12) suspension with bellow 3053

13) depend on axle section



Permissible Centres of Gravity Height for Air Suspensions

2



Note: Brake calculation acc. EEC regulations is done by factor h_r . This centre of gravity is not the same as in a calculation for suspensions, as h_r means centre of gravity of the complete vehicle and is lower than centre of gravity height of the suspension.

All permissible centres of gravity height are based on:

- **0,4g transverse acceleration**
- **about 3° inclination of body** not accounting the tipped limit and tyre deflection
- **about 500mm static radius of tyre for LR/NLR**
- **about 400mm static radius of tyre for TLR**
centre of gravity height will change if tyre is altered
- **uniform distributed loads**
on the trailer deck for hanging loads and for tankers we recommend a suspension with thicker springs to cater for higher centre of gravity e.g.: calculated centre of gravity +20%

All permissible centres of gravity are based on max. capacity of the suspension. That means that the load on the king pin must be stabilized by the truck.

The centre of gravity height is the distance between centre of gravity of sprung material and road.

The sprung material is the total of max. axle load minus unsprung material.

Unsprung material means axles, rims, tyres, suspension and brake cylinders.

The percentage of unsprung material to the max. suspension capacity is about 10%.



Permissible Centres of Gravity Height for Air Suspensions

2

**LRH 50 • LR 50 • LRO 50 • NLRO 50
NLRM 50 • NLR5 50 • NLRT 50**

spring: LR 45.1/NLR 45.1 • thickness of spring leaf: 48 • spring width 100

AXLE LOAD	SPRING TRACK / mm					
kg	900	980	1100	1200	1300	1400
6000	2750	3000	3300	3550	3700	3900
7000	2500	2650	2850	3050	3200	3350
8000	2250	2350	2550	2750	2900	3000
9000		2100	2300	2500	2600	2700
10000			2200	2400	2500	2600

spring: LR 60.1/NLR 60.1 • thickness of spring leaf: 56 • spring width 100

AXLE LOAD	SPRING TRACK / mm					
kg	900	980	1100	1200	1300	1400
8000	2750	2850	3100	3300	3450	3550
9000	2500	2600	2800	2950	3100	3200
10000	2450	2550	2750	2900	3050	3150
11000	2250	2300	2500	2700	2800	2950
12000	2050	2150	2350	2500	2600	2700
13000		2050	2250	2400	2500	2600

spring: LR 60.1/NLR 60.1 • thickness of spring leaf: 43/43 • spring width 100

AXLE LOAD	SPRING TRACK / mm					
kg	900	980	1100	1200	1300	1400
8000	3050	3250	3600	3800	4000	4000
9000	2750	2950	3250	3400	3600	3800
10000	2550	2800	3000	3200	3350	3500
11000	2300	2600	2850	3050	3250	3400
12000	2200	2450	2750	2950	3100	3200
13000	2100	2250	2400	2550	2700	2850

**KLRH 50 • KLR 50 • KLRO 50 • NKLRO 50
NKLRM 50 • NKLRS 50 • NKLRT 50**

spring: LR 45.1/NLR 45.1 • thickness of spring leaf: 48 • spring width 100

AXLE LOAD	SPRING TRACK / mm					
kg	900	980	1100	1200	1300	1400
6000	2900	3100	3350	3550	3700	3900
7000	2550	2700	2900	3050	3200	3350
8000	2300	2400	2550	2750	2900	3000
9000		2150	2300	2500	2600	2700
10000			2200	2400	2500	2600

spring: LR 60.1/NLR 60.1 • thickness of spring leaf: 56 • spring width 100

AXLE LOAD	SPRING TRACK / mm					
kg	900	980	1100	1200	1300	1400
6000	3550	3750	4000	> 4000	> 4000	> 4000
7000	3100	3250	3500	3700	3850	> 4000
8000	2750	2900	3100	3300	3450	3550
9000	2500	2600	2800	2950	3100	3200
10000	2450	2550	2750	2900	3050	3150

**TLRH 50 • TLR 50 • TLRO 50
TLRM 50 • TN LRZS 50**

spring: TLR 45.1 • thickness of spring leaf: 51 • spring width 100

AXLE LOAD	SPRING TRACK / mm					
kg	900	980	1100	1200	1300	1400
6000	2700	3000	3250	3450	3650	3800
7000	2400	2550	2750	2950	3100	3250
8000	2100	2250	2400	2550	2700	2800
9000		2000	2150	2250	2400	2500
10000			2050	2200	2300	2450

spring: TLR 60.1 • thickness of spring leaf: 56 • spring width 100

AXLE LOAD	SPRING TRACK / mm					
kg	900	980	1100	1200	1300	1400
8000	2400	2550	2750	2900	3050	3150
9000	2150	2250	2450	2600	2750	2850
10000	2100	2200	2400	2550	2700	2800
11000		2000	2150	2300	2450	2550
12000			2050	2200	2350	2450
13000				2050	2150	2250

spring: TLR 60 • thickness of spring leaf: 43/43 • spring width 100

AXLE LOAD	SPRING TRACK / mm					
kg	900	980	1100	1200	1300	1400
8000	2500	2750	3250	2400	3600	3750
9000	2200	2450	2950	2100	3250	3400
10000	2100	2350	2700	2900	3100	3300
11000	2000	2250	2500	2650	2800	3050
12000		2150	2400	2550	2700	2850
13000			2300	2450	2600	2750

**TKLRH 50 • TKLR 50 • TKLRO 50
TKLRM 50 • TNKLRS 50**

spring: TLR 45.1 • thickness of spring leaf: 51 • spring width 100

AXLE LOAD	SPRING TRACK / mm					
kg	900	980	1100	1200	1300	1400
6000	2700	3000	3250	3450	3650	3850
7000	3400	2600	2800	2950	3150	3300
8000	2150	2250	2450	2600	2750	2850
9000		2000	2200	2300	2400	2550
10000			2100	2250	2350	2500

spring: TLR 60.1 • thickness of spring leaf: 56 • spring width 100

AXLE LOAD	SPRING TRACK / mm					
kg	900	980	1100	1200	1300	1400
6000	3250	3400	3700	2900	> 4000	> 4000
7000	2750	2950	3150	3350	3500	3700
8000	2450	2550	2750	2950	2100	3200
9000	2150	2300	2450	2600	2750	2850
10000	2100	2250	2400	2550	2700	2800



Permissible Centres of Gravity Height for Air Suspensions

2

KLRH 43 • KLR 43 • KLRO 43

spring: LR 43/32,5.1-80 • thickness of spring leaf: 45 • spring width 80

AXLE LOAD	SPRING TRACK / mm					
kg	900	980	1100	1200	1300	1400
4500	2850	2950	3150	3300	3450	2600
5500	2400	2500	2700	2800	2950	3050
6500	2350	2450	2650	2750	2900	3000
7500	2050	2150	2350	2450	2550	2700

TLRH 50.42 • TLR 50.42 • TLRO 50.42

spring: TLR 50.42/45.1 • thickness of spring leaf: 51 • spring width 100

AXLE LOAD	SPRING TRACK / mm					
kg	900	980	1100	1200	1300	1400
7000	2350	2500	2700	2850	3000	3150
8000	2050	2150	2350	2450	2600	2750
9000		2000	2150	2250	2400	2500
10000			1900	2000	2150	2250

spring: TLR 50.42/65 • thickness of spring leaf: 48/48 • spring width 100

AXLE LOAD	SPRING TRACK / mm					
kg	900	980	1100	1200	1300	1400
10000	2500	2850	3050	3250	2400	3550
11000	2300	2600	2800	2950	3100	3250
12000	2250	2550	2750	2900	3050	3200
13000	2200	2400	2600	2750	2900	3050

TKLRH 43 • TKLR • 43TKLRO 43

spring: LR 43/32,5.1-80 • thickness of spring leaf: 45 • spring width 80

AXLE LOAD	SPRING TRACK / mm					
kg	900	980	1100	1200	1300	1400
4500	2500	2650	2850	3000	3150	3300
5500	2050	2500	2350	2500	2600	2700
6500	2000	2150	2300	2450	2550	2650
7500			2000	2150	2250	2350

TKLRH 50.42 • TKLR 50.42 • TKLRO 50.42

spring: TLR 50.42/45.1 • thickness of spring leaf: 51 • spring width 100

AXLE LOAD	SPRING TRACK / mm					
kg	900	980	1100	1200	1300	1400
7000	2350	2500	2700	2850	3050	3200
8000	2050	2200	2350	2500	2650	2750
9000		2000	2150	2300	2400	2550
10000			1950	2050	2150	2250

TLRH 72 • TLR 72 • TLRM 72

spring: TLR 72.32 • thickness of spring leaf: 52/52 • spring width 100

AXLE LOAD	SPRING TRACK / mm					
kg	900	980	1100	1200	1300	1400
7000	1650	1850	2150	2450	2750	3100
8000		1650	1950	2200	2500	2750
9000			1850	2100	2350	2600
10000				1950	2150	2400

NLR 45 FB70

spring: NLR 45.1/LR 45.1 FB70 • thickness of spring leaf: 56 • spring width 70

AXLE LOAD	SPRING TRACK / mm					
kg	900	980	1100	1200	1300	1400
8000	2200	2350	2550	2750	2950	3100
9000	1900	2050	2250	2450	2650	2750

NLR 45 FB70

spring: NLR 45.1/LR 45.1 FB70 • thickness of spring leaf: 56 • spring width 70

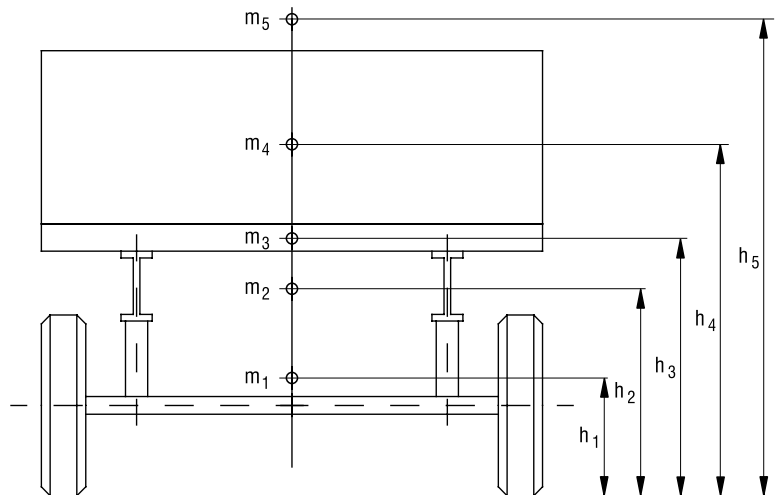
AXLE LOAD	SPRING TRACK / mm					
kg	900	980	1100	1200	1300	1400
8000	2400	2550	2700	3050	3250	3400
9000	2200	2300	2600	2750	2900	3050



Constructions- information

2

Calculation of the
gravity height
of vehicles



m_1 = xle, suspension, tyres and wheels

h_1 = appr. 1,1 x radius of tyre

m_2 = frame system

m_3 = bottom plate

m_4 = ack, tarbaulin, bow etc.

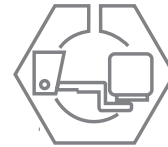
m_5 = load

partial centre of gravity m_i to m_i

Gravity height:

$$\frac{\text{total } (m_i \times h_i)}{\text{total } m_i}$$

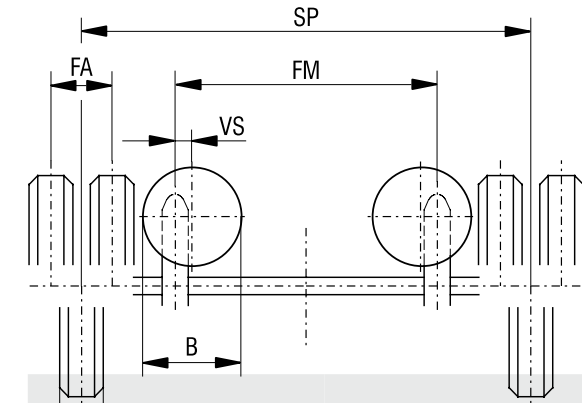
	m_i	h_i	$m_i \times h_i$	
m_1		h_1	$m_1 \times h_1$	The deflection of vehicles with parabolic springs resp. leaf springs has not been considered.
m_2		h_2	$m_2 \times h_2$	
m_3		h_3	$m_3 \times h_3$	
m_4		h_4	$m_4 \times h_4$	
m_5		h_5	$m_5 \times h_5$	
total			total	



Constructions- information

2

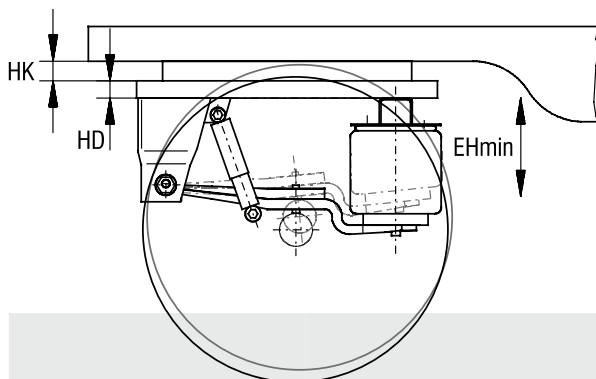
Calculation of **free spaces** between tyre and bellow



axles with twin wheel

axles with single wheel

+ SP/2		SP: _____ mm	track
- FA/2	+ SP/2	FA: _____ mm	rim center
- RB/2	- RB/2	RB: _____ mm	tyre width
- FM/2	- FM/2	FM: _____ mm	spring center
+ VS	+ VS	VS: _____ mm	bellow offset (see installation drawing of suspension)
- B/2	- B/2	B: _____ mm	space requirement for air bellow (see installation drawing of suspension)



Calculation of **free space of the tyre** for front axles of drawbar trailers

+ EH min	+ EH min	EH min: _____ mm	see installation drawing of suspension
+ HD	+ HD	HD: _____ mm	height of boogie frame
+ HK	+ HK	HK: _____ mm	height of slewing ring
+ E	+ E	E: _____ mm	half of axle (for standard axles + plate 15 mm)
- R	- R	R: _____ mm	tyre radius (D max/2)
free space at positiv sign	free space at positiv sign		

mechanical suspension.





Stable spring sets made by gigant.



Mechanical suspension units give you the stability you need. **gigant** provides the selection you require.

Great payload in relation to empty weight requires soft suspension unladen and a stable suspension when loaded.

That means a flexible yet reliable spring set. Our mechanical suspension units permit the greatest possible range of applications and effective material utilisation.

The approximately dynamic brake power equaliser of the **gigant** LK UNIT permits for example the same brake systems in all LK suspension units. This results in less wear on all the axles of a multiple unit and thus optimum braking deceleration. Safety and economical solutions are not mutually exclusive.

Experience it with your own vehicle at gigant!





EXPLANATION of Suspension Symbols

3

Type LK/LK2

BE w/o = rubber bearing (to 16t)
BE = bronze bearing

VS w/o = no spring track displacement
VS = spring track displacement 160 mm¹⁴

U w/o = Fspring above axle
U = spring below axle
G = axle between spring and torque arm support (forging)

P w/o = with multi-leaf-spring
P = with parabolic spring
PT = with low loader parabolic spring
P2.1 = with parabolic spring, twin staged (wheel base 1310 and 1400 mm)

80- w/o = spring width 100 mm
80 = spring width 80 mm

16- total load on road (tonnes)
speed 105 km/h

1400- wheel base in mm

S- w/o = standard installation height
S = reduced
H = 50 resp. 100 mm higher¹⁴

16 15 = single suspensions without draw bar connection
16 = tandem suspensions (wheel base up to 1700 mm)
17 = tandem suspensions (wheel base up to 2050 mm)
18 = tri axle suspensions

LK2 LK = suspension up to 2009
LK2 = suspension as from 2009

Type GK

W minimal maintenance

U w/o = spring above axle
U = spring below axle

P w/o = with multi-leaf-spring
P = with parabolic spring

1270- wheel base in mm
w/o = 990 mm
L = 1140 mm

80/ spring width in mm

80/ total load on road (kN)
speed 105 km/h
(e.g.: 80 kN = 8t)

GK 1- GK 1 = single suspensions
GK = tandem suspensions

Type F

U w/o = spring above axle
U = spring below axle

BE BE = bronze bearing

16- total load on road (tonnes)
speed 105 km/h

1400- wheel base in mm

S- w/o = standard
S = reduced
H = 100 mm higher¹⁴

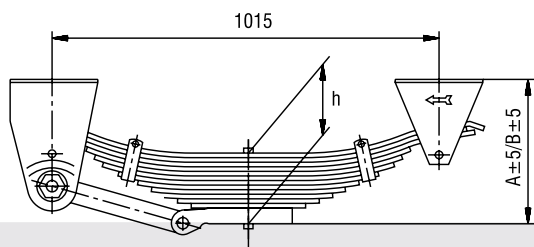
F 16- F 15 = single suspensions without draw bar connection
F 16 = tandem suspensions
F 18 = tri axle suspensions

¹⁴) other dimensions on request



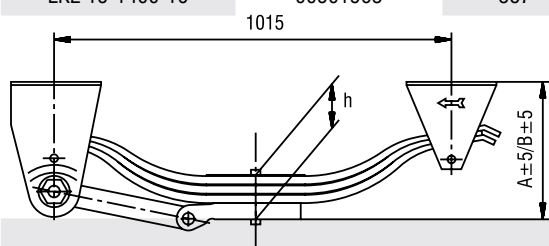
TYPE LK2 Single Suspensions

3



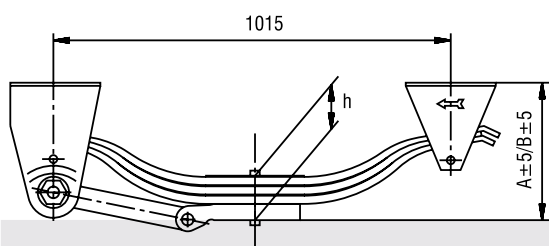
LK2-15
with multi-leaf springs
RIDE HEIGHT (laden) **app. 420 mm**

TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	AXLE LOAD	DRAWING-NO.
LK2 15-1400-12	00501543	368	334	185	12 t	40.001-3
LK2 15-1400-14	00501553	377	346	209	14 t	40.001-3
LK2 15-1400-16	00501563	387	358	209	16 t	40.001-3



LK2-15
with parabolic springs
RIDE HEIGHT (laden) **app. 400 mm**

TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	AXLE LOAD	DRAWING-NO.
LK2 15-1400-10 P	00511534	364	311	119	10 t	41.007-3
LK2 15-1400-12 P	00511543	352	315	119	12 t	41.001-3
LK2 15-1400-16 P	00511563	364	335	131	16 t	41.001-3



LK2-15
with low loader parabolic springs
RIDE HEIGHT (laden) **app. 330 mm**

TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	AXLE LOAD	DRAWING-NO.
LK2 15-1400-10 PT	00511532	272	240	100	10 t	41.002-3
LK2 15-1400-12 PT	00511544	277	249	108	12 t	41.002-3
LK2 15-1400-16 PT	00511564	313	287	134	16 t	41.002-3

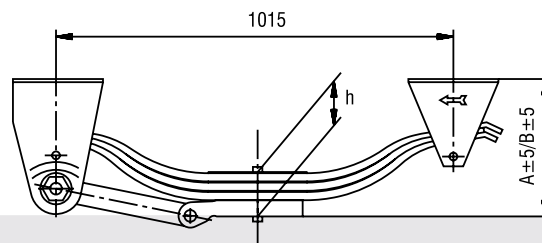


TYPE LK2 Single Suspensions

3

LK2-15

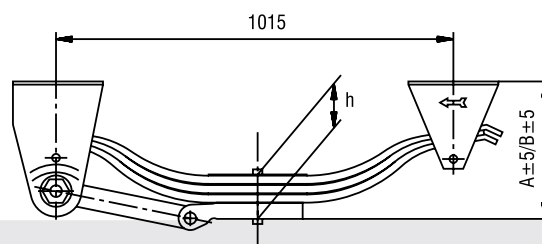
with parabolic springs, twin-staged
RIDE HEIGHT (laden) **app. 390 mm**



TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	AXLE LOAD	DRAWING-NO.
LK2 15-1400-10 P 2.1	00511573	364	311	119	10 t	41.007-3

LK2-15 U

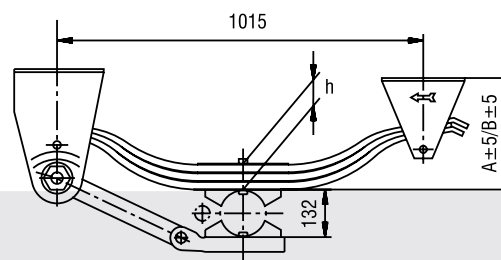
with parabolic springs, twin-staged
RIDE HEIGHT (laden) **app. 120 mm**



TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	AXLE LOAD	DRAWING-NO.
LK2 15-1400-10 P 2.1U	00521465	233	193	118	10 t	41.190-3

LK2-15 PTG

with low loader parabolic springs
RIDE HEIGHT (laden) **app. 330 mm**



TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	AXLE LOAD	DRAWING-NO.
LK2 15-1400-10 PTG	00521394	231	199	59	10 t	41.238-3
LK2 15-1400-12 PTG	00521448	236	208	67	12 t	41.238-3

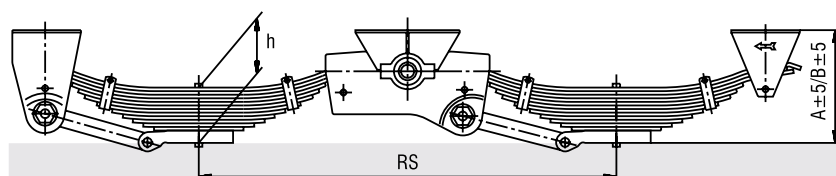


TYPE LK2 Tandem Suspensions

LK2-16

with multi-leaf springs

RIDE HEIGHT (laden) app. 420 mm

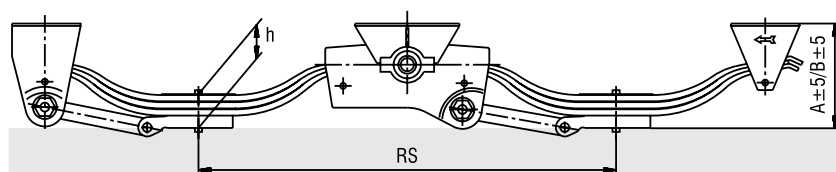


TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	RS (mm)	AXLE LOAD	DRAWING-NO.
LK2 16-1400-24	00501643	368	337	100	1400	10 t	41.002-3
LK2 16-1400-48	00501653	377	348	108	1400	12 t	41.002-3
LK2 16-1400-32	00501663	387	360	134	1400	16 t	41.002-3

LK2-16

with parabolic springs

RIDE HEIGHT (laden) app. 400 mm

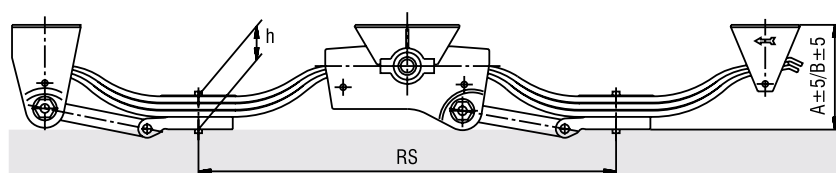


TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	RS (mm)	AXLE LOAD	DRAWING-NO.
LK2 16-1400-24 P	00511643	352	318	100	1400	12 t	41.008-3
LK2 16-1400-32 P	00511663	364	337	108	1400	16 t	41.008-3
LK2 16-1600-20 P	00511634	364	316	134	1600	10 t	41.016-4
LK2 16-1600-24 P	00531645	363	312	125	1600	12 t	41.016-4

LK2-16

with low loader parabolic springs

RIDE HEIGHT (laden) app. 330 mm



TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	RS (mm)	AXLE LOAD	DRAWING-NO.
LK2 16-1310-20 PT	00511635	275	274	113	1310	10 t	41.093-3
LK2 16-1310-24 PT	00511646	282	252	119	1310	12 t	41.093-3
LK2 16-1400-20 PT	00511632	272	243	100	1400	10 t	41.010-3
LK2 16-1400-24 PT	00511644	277	252	108	1400	12 t	41.010-3
LK2 16-1400-32 PT	00511664	313	289	134	1400	16 t	41.010-3
LK2 16-1600-24 PT	00531646	288	243	128	1600	12 t	41.268-3

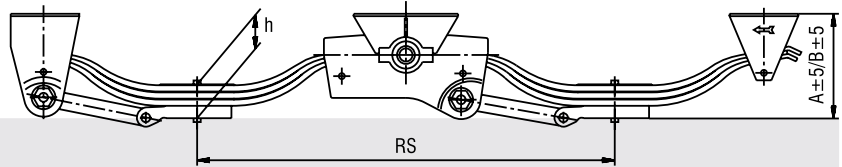


TYPE LK2 Tandem Suspensions

3

LK2-16

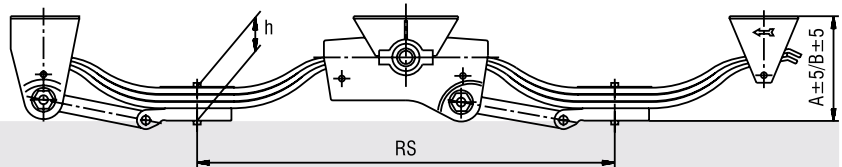
with parabolic springs, twin-staged
RIDE HEIGHT (laden) **app. 390 mm**



TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	RS ¹⁶ (mm)	AXLE LOAD	DRAWING-NO.
LK2 16-1310-20 P 2.1	00511671	348	313	113	1310	10 t	41.114-3
LK2 16-1400-20 P 2.1	00511673	351	314	118	1400	10 t	41.022-3
LK2 16-1500-20 P 2.1	00516673	351	314	118	1500	10 t	41.217-3

LK2-16 U

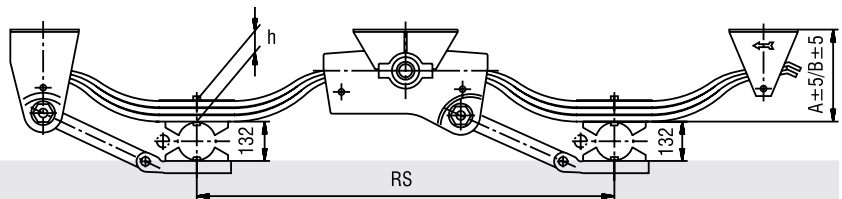
with parabolic springs, twin-staged
RIDE HEIGHT (laden) **app. 170 mm**



AGGREGATTYP	BESTELL NR.	A (beladen) (mm)	B (unbeladen) (mm)	h (mm)	RS ¹⁶ (mm)	ACHSLAST	ZEICHNUNGS-NR.
LK2 16H-1400-20 P 2.1U	00521603	283	246	118	1400	10 t	41.1045-4

LK2-16 PTG

with low loader parabolic springs³
RIDE HEIGHT (laden) **app. 290 mm**



TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	RS ¹⁶ (mm)	AXLE LOAD	DRAWING-NO.
LK2 16-1310-20 PTG	00521093	234	206	72	1310	10 t	41.270-3
LK2 16-1310-24 PTG	00521600	241	211	78	1310	12 t	41.270-3
LK2 16-1400-20 PTG	00521392	231	202	59	1400	10 t	41.237-3
LK2 16-1400-24 PTG	00521393	236	211	67	1400	12 t	41.237-3

¹⁶⁾ higher axle load on request

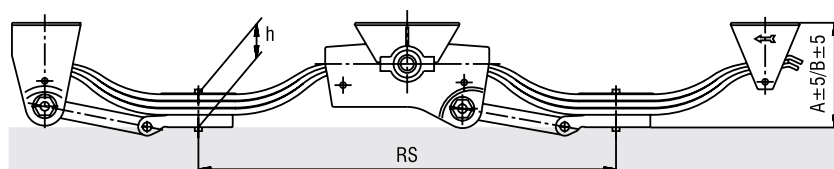


TYPE LK2 Tandem Suspensions

LK2-17

with parabolic springs

RIDE HEIGHT (laden) app. 420 mm

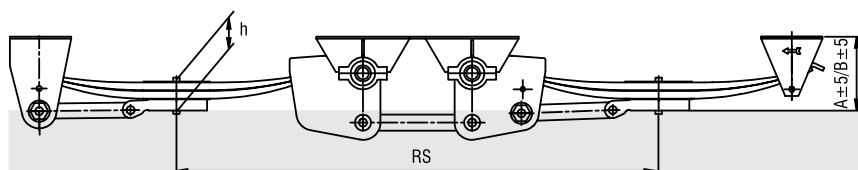


TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	RS ⁷ (mm)	AXLE LOAD	DRAWING-NO.
LK2 17-1810-20 P	00521446	351	317	113	1810	10 t	41.085-3
LK2 17-1810-24 P	00521160	352	318	119	1810	12 t	41.085-3
LK2 17-1810-32 P	00521763	364	337	131	1810	16 t	41.085-3

LK2-17

with low loader parabolic springs

RIDE HEIGHT (laden) app. 340 mm

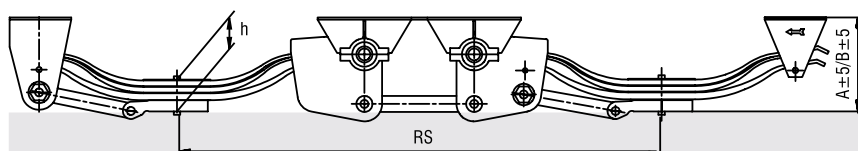


TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	RS ⁷ (mm)	AXLE LOAD	DRAWING-NO.
LK2 17-1810-20 PT	00521173	269	240	97	1810	10 t	41.096-3
LK2 17-1810-24 PT	00521183	274	249	105	1810	12 t	41.096-3
LK2 17-1810-32 PT	00521470	310	286	131	1810	16 t	41.096-3

LK2-17

with parabolic springs, twin-staged

RIDE HEIGHT (laden) app. 390 mm



TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	RS ⁷ (mm)	AXLE LOAD	DRAWING-NO.
LK2 17-1810-20 P 2.1	00511671	348	313	113	1310	10 t	41.160-3
LK2 17-1810-24 P 2.1	00511673	351	314	118	1400	12 t	41.160-3
LK2 17-1810-32 P 2.1	00516673	351	314	118	1500	16 t	41.160-3



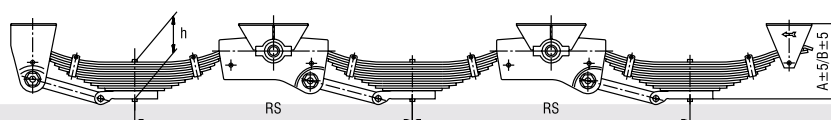
TYPE LK2 Tri-axle Suspensions

3

LK2-18

with multi-leaf springs

RIDE HEIGHT (laden) app. 420 mm

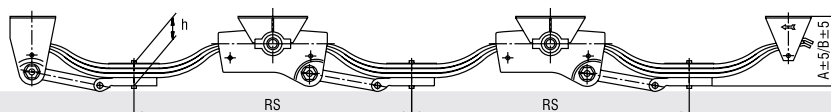


TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	RS ⁷ (mm)	AXLE LOAD	DRAWING-NO.
LK2 18-1400-36	00501843	368	338	185	1400	12 t	41.008-3
LK2 18-1400-42	00501853	377	350	209	1400	14 t	41.008-3
LK2 18-1400-48	00501863	387	361	209	1400	16 t	41.008-3

LK2-18

with parabolic springs

RIDE HEIGHT (laden) app. 390 mm

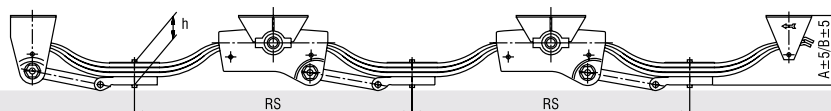


TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	RS ⁷ (mm)	AXLE LOAD	DRAWING-NO.
LK2 18-1400-36 P	00511843	352	319	119	1400	12 t	41.014-3

LK2-18

with low loader parabolic springs

RIDE HEIGHT (laden) app. 330 mm



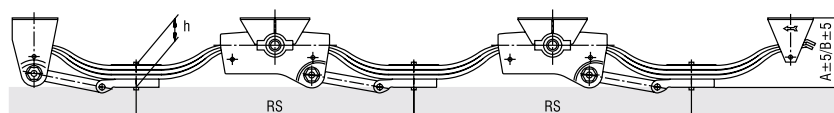
TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	RS ⁷ (mm)	AXLE LOAD	DRAWING-NO.
LK2 18-1310-30 PT	00511835	275	248	113	1310	10 t	41.083-3
LK2 18-1310-36 PT	00511846	282	254	119	1310	12 t	41.083-3
LK2 18-1400-30 PT	00511832	272	244	100	1400	10 t	41.027-3
LK2 18-1400-36 PT	00511844	277	253	108	1400	12 t	41.027-3
LK2 18-1400-48 PT	00511864	313	290	134	1400	16 t	41.027-3



gigant 
the driving force

TYPE LK2 Tri-axle Suspensions

LK2-18

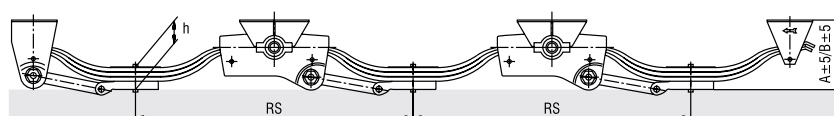


with parabolic springs, twin-staged
RIDE HEIGHT (laden) **app. 390 mm**

3

TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	RS ⁷ (mm)	AXLE LOAD	DRAWING-NO.
LK2 18-1310-30 P 2.1	00511871	348	314	113	1310	10 t	41.116-3
LK2 18-1400-30 P 2.1	00511873	351	316	118	1400	10 t	41.066-3

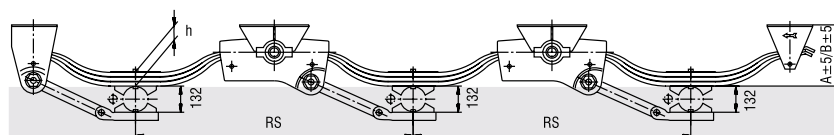
LK2-18 U



with parabolic springs, twin-staged
RIDE HEIGHT (laden) **app. 180 mm**

TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	RS ⁷ (mm)	AXLE LOAD	DRAWING-NO.
LK2 18H-1400-30 P 2.1U	00521700	283	248	118	1400	10 t	41.050-4

LK2-18 PTG



with low loader parabolic springs
RIDE HEIGHT (laden) **app. 290 mm**

TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	RS ⁷ (mm)	AXLE LOAD	DRAWING-NO.
LK2 18-1310-30 PTG	00521264	234	207	72	1310	10 t	41.149-3
LK2 18-1400-30 PTG	00521544	231	203	59	1400	10 t	41.010-4
LK2 18-1400-36 PTG	00521548	236	212	67	1400	12 t	41.010-4
LK2 18-1400-48 PTG	00521549	272	249	93	1400	16 t	41.010-4

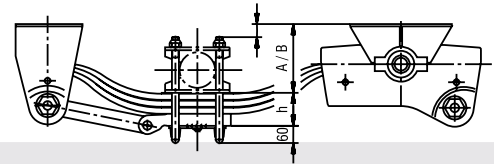


TYPE LK2 Variations

LK2-VARIATIONS reduced and higher

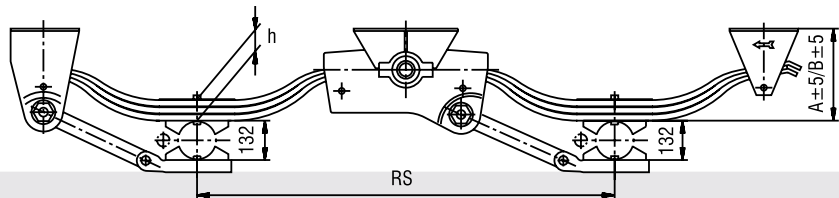
3

VERSION	DESCRIPTION	
reduced¹⁷	Brackets without top plate: front susp. brackets 73 mm reduced sliding shoe 73 mm reduced main suspension bracket 8 mm reduced	Reduced installation height (dimension A/B): LK2-15: 73 mm LK2-16: 40 mm
higher¹⁷	Brackets and installation heights (dimension A/B): 50 eg. 100 mm higher	



LK2-VARIATIONS U

VERSION	DESCRIPTION			
Spring below the axle „U“-Version	The installation height A and B are acc. to the standard version less dimension h (see tables on the previous pages)	spring support onto the torque support	torque arm support mounted below the spring with bolt for spring	Take care of sufficient free space - axial movement - Stat. and dyn. deflection



LK2-VARIATIONS PTG

VERSION	DESCRIPTION	
PTG	for low loader axles provided with 300 mm brake and cam shaft in line with axle center only	The installation height A and B are acc. to the standard version less 41 mm (see tables on the previous pages)

BEARING APPLICATION of Equalizers

VERSION	DESCRIPTION
rubber bushes	Standard: Axle loads from 4t to 12t for normal running on roads under european conditions. Special: Axle loads from 12t to 16t suitable for arduous conditions out of europe.
bronze bearing „BE“	For axle loads from 12t to 20t suitable for arduous conditions out of europe.

¹⁷) special variations on request



gigant 
the driving force

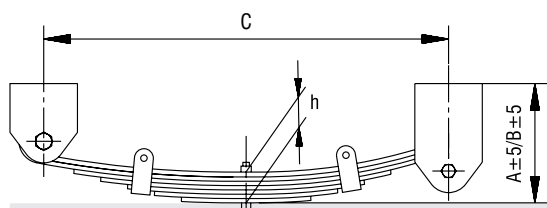
TYPE GK

Single & Tandem Suspensions

GK 1-W

with multi-leaf springs⁸

RIDE HEIGHT (laden) **app. 290 mm**



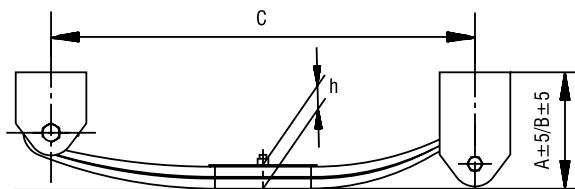
TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	C (mm)	h (mm)	AXLE LOAD	DRAWING-NO.
GK1-40/80 W	00931524	224	201	750	57	4 t	80.032-4
GK1-50/80 W	00931527	227	208	750	60	5 t	80.032-4
GK1-60/80 W	00931530	238	219	750	71	6 t	80.032-4
GK1-60/80 L W	00931532	249	218	900	82	6 t	80.034-4
GK1-80/80/1270 W	00931544	276	241	1020	109	8 t	80.035-4

3

GK 1-PW

with parabolic springs⁸

RIDE HEIGHT (laden) **app. 260 mm**

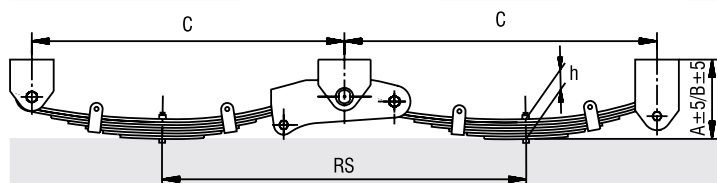


TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	C (mm)	h (mm)	AXLE LOAD	DRAWING-NO.
GK1-40/80 PW	00941524	202	180	750	38	4 t	80.007-4
GK1-50/80 PW	00941527	206	185	750	42	5 t	80.007-4
GK1-60/80 PW	00941530	210	190	750	46	6 t	80.007-4
GK1-60/80 L PW	00941532	214	187	900	50	6 t	80.036-4
GK1-60/80/1270 PW	00941534	216	183	1020	52	6 t	80.019-4
GK1-80/80/1270 PW	00941544	222	192	1020	58	6 t	80.019-4

GK-W

with multi-leaf springs⁸

RIDE HEIGHT (laden) **app. 300 mm**



TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	C (mm)	h (mm)	AXLE LOAD	DRAWING-NO.
GK-80/80 W	00931624	230	180	990	57	4 t	80.024-4
GK-100/80 W	00931627	233	214	990	60	5 t	80.024-4
GK-120/80 W	00931630	244	225	990	71	6 t	80.024-4
GK-120/80 LW	00931632	244	225	1040	71	6 t	80.022-4
GK-120/80/1270 W	00931634	255	224	1140	82	6 t	80.023-4
GK-160/80/1270 W	00931644	282	247	1260	109	8 t	80.023-4
GK-160/80/1320 W	00931646	282	247	1310	109	8 t	80.-026-4

⁸) spring width 80 mm

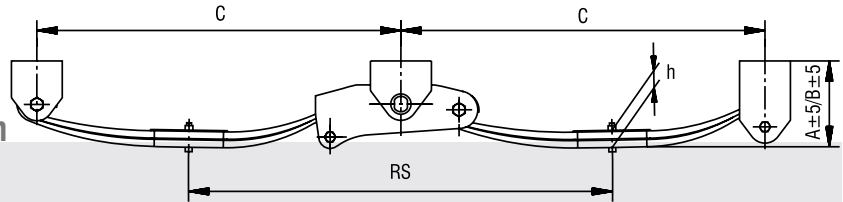


TYPE GK Tandem Suspensions & Variations

GK-PW

with parabolic springs⁶

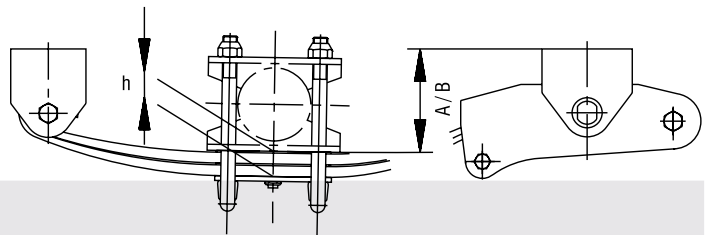
RIDE HEIGHT (laden) app. 270 mm



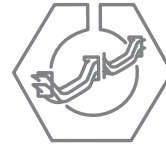
3

TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	RS ⁷ (mm)	AXLE LOAD	DRAWING-NO.
GK 80/80 PW	00941624	208	186	38	990	4 t	80.009-4
GK 80/80-1040 PW	00941626	208	186	38	1040	4 t	80.029-4
GK 100/80 PW	00941627	212	191	42	990	5 t	80.009-4
GK-100/80-1040 PW	00941628	212	191	42	1040	5 t	80.029-4
GK-120/80 PW	00941630	216	196	46	990	6 t	80.009-4
GK-120/80-1040 PW	00941631	216	196	46	1040	6 t	80.029-4
GK-120/80 L PW	00941632	220	193	50	1140	6 t	80.030-4
GK-120/80/1190 PW	00941633	220	193	50	1190	6 t	80.037-4
GK-120/80/1270 PW	00941634	222	189	52	1260	6 t	80.021-4
GK-120/80/1320 PW	00941636	222	189	52	1310	6 t	80.031-4
GK 160/80/1270 PW	00941644	228	198	58	1260	8 t	80.021-4
GK 160/80/1320 PW	00941646	228	198	58	1310	8 t	80.031-4

GK-VARIATION

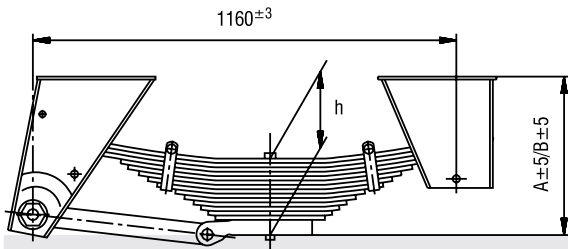


VERSION	DESCRIPTION
Spring below the axle "U"-Version	The installation height A and B are acc. to the standard version less dimension h (see tables on the pages 51) Take care of sufficient free space - axial movement - Stat. and dyn. deflection special variations on request



TYPE F

Single, Tandem & Tri-axle Suspension



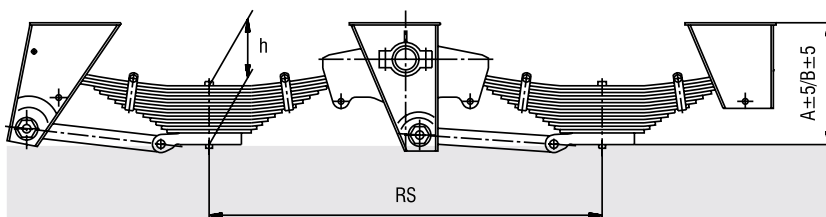
F 15

with multi-leaf springs

RIDE HEIGHT (laden) **app. 490 mm**

3

TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	AXLE LOAD	DRAWING-NO.
F 15-1400-12	00701543	425	390	185	12 t	50.028-3
F 15-1400-16	00701563	444	415	209	16 t	50.028-3
F 15-1400-20	00701579	465	432	237	20 t	50.028-3

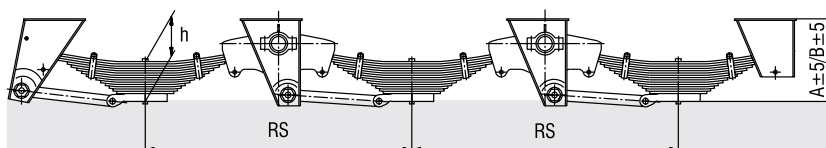


F 16

with multi-leaf springs

RIDE HEIGHT (laden) **app. 490 mm**

TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	RS (mm)	AXLE LOAD	DRAWING-NO.
F 16-1400-24 BE	00701643	425	394	185	1400	12 t	50.023-3
F 16-1400-28 BE	00701653	434	405	209	1400	14 t	50.023-3
F 16-1400-32 BE	00701663	444	418	209	1400	16 t	50.023-3



F 18

with multi-leaf springs

RIDE HEIGHT (laden) **app. 490 mm**

TYPE OF SUSPENSION	ORDER NO.	A (unladen) (mm)	B (laden) (mm)	h (mm)	RS (mm)	AXLE LOAD	DRAWING-NO.
F 18-1400-36 BE	00401843	425	395	185	1400	12 t	50.024-3
F 18-1400-42 BE	00401853	434	408	209	1400	14 t	50.024-3
F 18-1400-48 BE	00401863	444	418	209	1400	16 t	50.024-3
F 18-1400-60 BE	00701879	465	436	237	1400	20 t	50.024-3



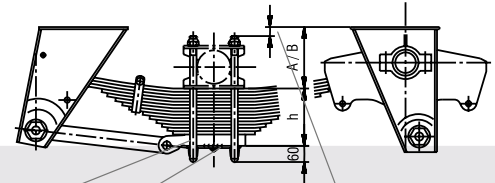
TYPE F Variations

3

F-VARIATIONS reduced and higher

VERSION	DESCRIPTION	
reduced⁵	Brackets without top plate: front susp. brackets 73 mm reduced sliding shoe 73 mm reduced main suspension bracket 8 mm reduced	Reduced installation height (dimension A/B): F 15: 73 mm F 16: 40 mm F 18: 22 mm
higher⁵	Brackets and installation heights (dimension A/B): 50 eg. 100 mm higher	

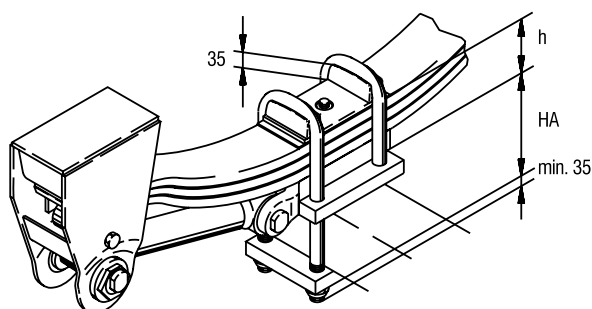
F-VARIATIONS U



VERSION	DESCRIPTION			
Spring below the axle „U“-Version	The installation height A and B are acc. to the standard version less dimension h (see tables on the previous pages)	spring support onto the torque support	torque arm support mounted below the spring with bolt for	Take care of sufficient free space - axial movement - Stat. and dyn. deflection

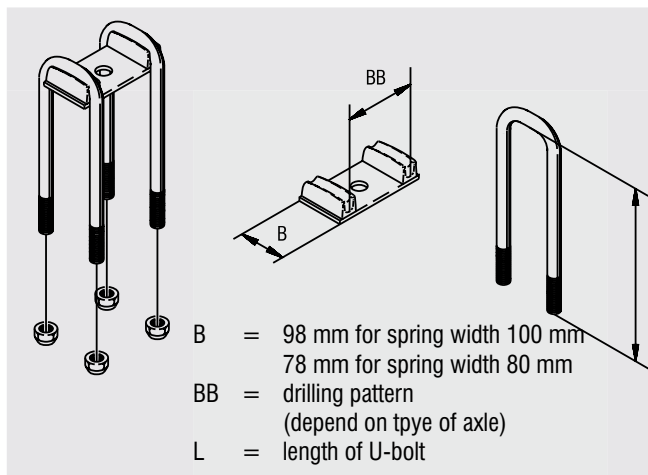


Axle and Spring ATTACHMENT



SPRING attachment

3

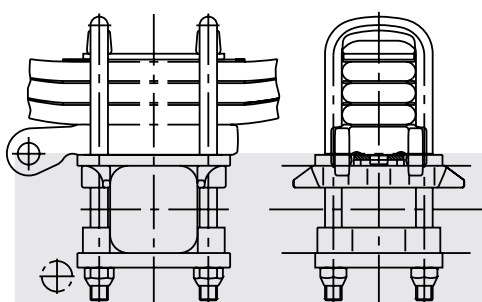


Example for calculation of U-bolt length „L“.

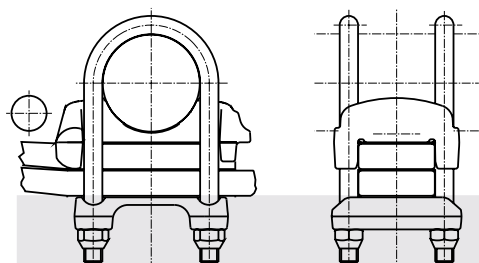
_____ mm spring support plate
h: _____ mm Height of spring incl. torque arm
support (41 mm)
HA: _____ mm Height of axle incl axle plate
_____ mm Tread length for fastening
of lock nut

L: _____ mm Add up the sum, U-bolt length are in 20
mm increments e. g. 300, 320, 340 etc.

CLAMP attachment



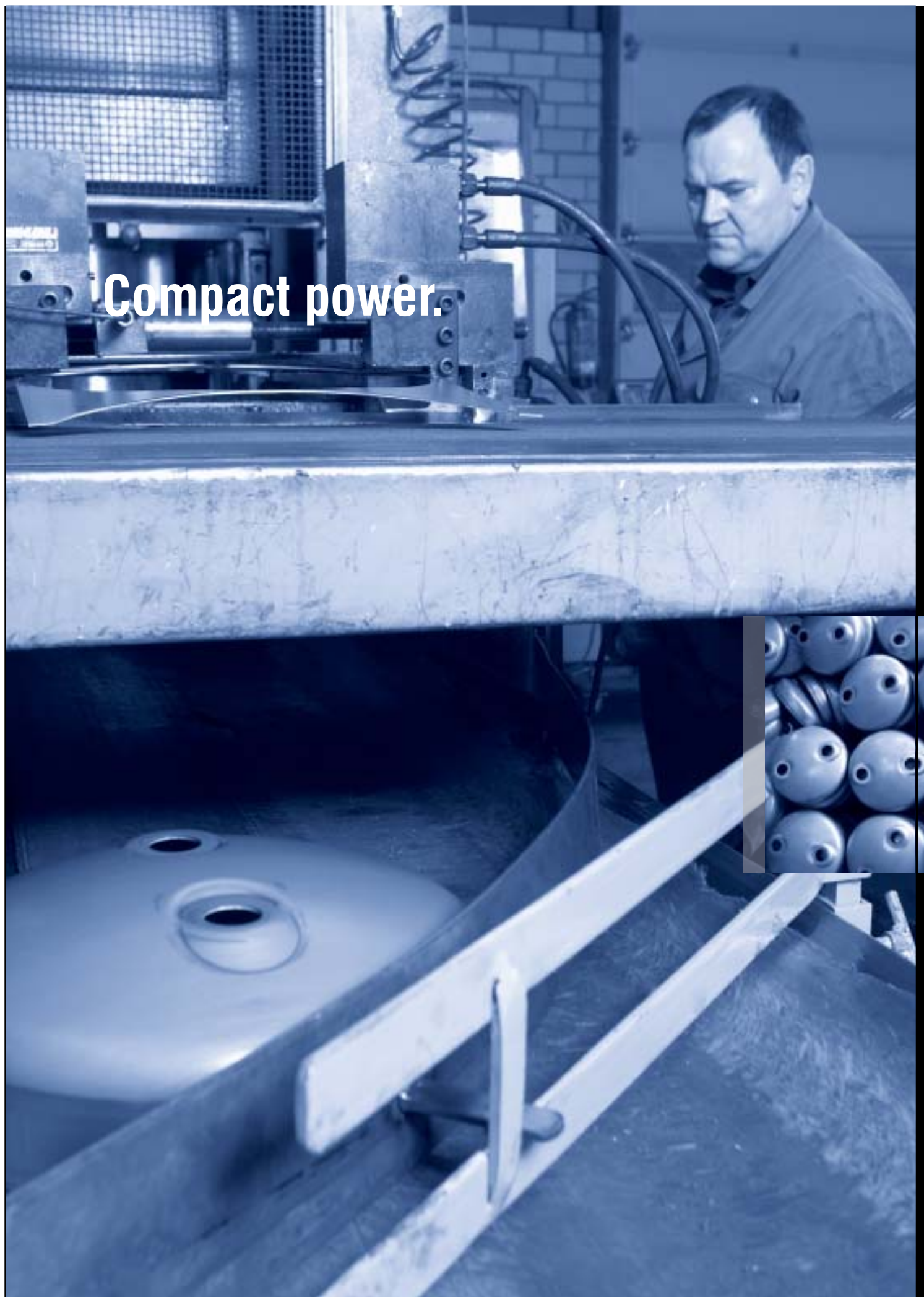
The clamp attachment has got all requirements of a modern and durable axle attachment. The advantages of this attachment are that you do not have to weld anything to the axle beam (when fitted with centre piece). You can choose between attachments for mechanical and air suspensions (European patent). The installation is very simple and you will have an optimal connection between axle beam and the spring.



AXLE ATTACHMENT with U-bolts

The attachment with U-bolts (for round beam) is a proved connection between axle and suspension. This attachment is very light because of the reduced number of parts and at the same time, the numbers of joint interfaces is also reduced. The possibility of working loose is decreased.

Compact power.





gigant compressed air tanks.



Compressed air requires a safe container. We have it. It takes your compressed air anywhere, in steel and black powder coated.

GIGANT UK is the largest manufacturer in Great Britain of compressed air tanks for brake systems. More than 140,000 coated vessels for leading European vehicle manufacturers are produced every year. And not without reason: our compressed air tanks are characterised by long service life and low weight. They are powder coated inside and outside at the works and can easily be over-coated as required.

Together with the effective corrosion protection, they provide not only top reliability and maximum service life but also conform to the highest quality requirements of leading European vehicle manufacturers thanks to the powder coating.

Gigant quality which wins you over!

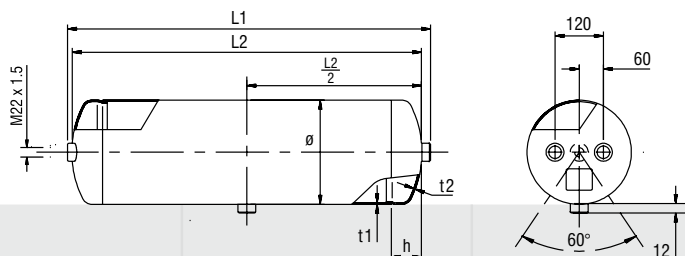




AIR PRESSURE VESSELS

AIR PRESSURE VESSELS

steel, powder coated



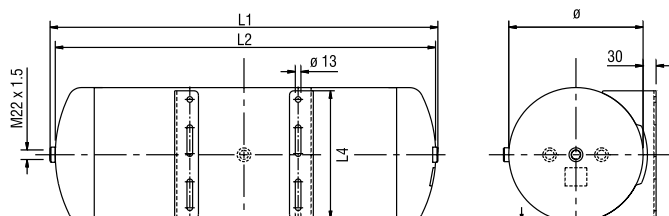
4

CAPACITY (Ltr.) ±4%	Ø (mm)	L1 (mm)	L2 (mm)	h (mm)	t1 (mm)	t2 (mm)	DRAWING NO.	PART-NO.	WEIGHT (kg)	NUMBER/ PALLET
5	206	215	198	59	2,15	2,5	SPA 1000	10500969	4	50
10	206	370	353	59	2,15	2,5	SPA 1001	10500970	5	84
15	206	530	513	59	2,15	2,5	SPA 1002	10500303	7	84
20	206	690	673	59	2,15	2,5	SPA 1003	10500971	8	42
20	246	500	483	72	2,15	2,5	SPA 1004	10500972	8	70
25	246	610	593	72	2,15	2,5	SPA 1018	10500986	9	35
30	246	720	703	72	2,15	2,5	SPA 1005	10500973	10	35
37	246	852	835	72	2,15	2,5	SPA 1006	10500988	12	35
40	246	940	923	72	2,15	2,5	SPA 1007	10500974	13	35
40	276	760	743	72	2,15	2,5	SPA 1008	10500975	13	28
40	310	620	603	99	2,15	2,5	SPA 1009	10500976	15	24
60	246	1352	1335	72	2,15	2,5	SPA 1010	10500989	19	24
60	276	1110	1093	72	2,15	2,5	SPA 1011	10500977	18	24
60	310	895	878	99	2,15	2,5	SPA 1012	10500978	18	24
60	396	580	563	97	2,75	3,0	SPA 1013	10500980	19	24
80	310	1162	1145	99	2,15	2,5	SPA 1017	10500985	21	24
80	396	750	733	97	2,75	3,0	SPA 1014	10500981	23	12
100	396	915	898	97	2,75	3,0	SPA 1015	10500983	28	12
120	396	1067	1050	97	2,75	3,0	SPA 1016	10500984	33	12

Working Pressure 12,5 bar · (87/404/EEC)-EN 286.PT.2 · Amd. Sept. 92
EC Certificate of conformity No. EC 0010C



AIR PRESSURE- VESSELS



AIR PRESSURE VESSELS
with brackets, steel, powder coated

4

CAPACITY (LIT.) ±4%	Ø (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	DRAWING NO.	PART-NO.	WEIGHT (kg)	NUMBER/ PALLET
10	206	370	353	133	190	SPB1001	10501110	5.5	60
15	206	530	513	133	190	SPB1002	10501111	7.5	30
20	206	690	673	133	190	SPB1003	10501112	9.0	30
20	246	500	483	153	230	SPB1004	10501113	9.5	56
25	246	610	593	153	230	SPB1018	10501114	6.0	28
30	246	720	703	153	230	SPB1005	10501115	7.5	28
37	246	852	835	153	230	SPB1006	10501116	9.0	28
40	246	940	923	153	230	SPB1007	10501117	10.0	28
60	246	1352	1335	153	230	SPB1010	10501118	15.5	24
30	276	585	568	168	260	SPB1023	10501119	6.5	48
40	276	760	743	168	260	SPB1008	10501120	9.0	24
60	276	1110	1093	168	260	SPB1011	10501121	14.0	20
85	276	1505	1488	168	260	SPB1020	10501122	19.5	20
40	310	620	603	185	295	SPB1009	10501123	7.0	20
60	310	895	878	185	295	SPB1012	10501124	11.0	20
80	310	1162	1145	185	295	SPB1017	10501125	15.5	20
60	396	580	563	228	380	SPB1013	10501157	22.0	24
80	396	750	733	228	380	SPB1014	10501127	14.5	12
100	396	915	898	228	380	SPB1015	10501128	19.0	12

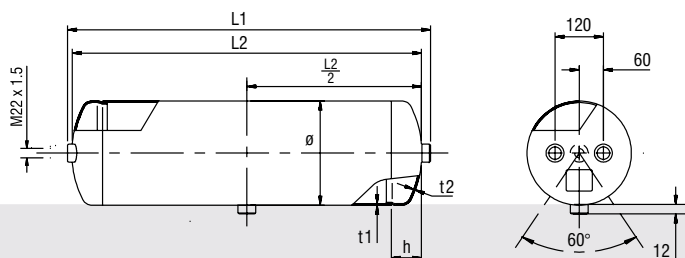
Working Pressure 12,5 bar · (87/404/EEC)-EN 286.PT.2 · Amd. Sept. 92
EC Certificate of conformity No. EC 0010C



AIR PRESSURE VESSELS

AIR PRESSURE VESSELS

Aluminium



4

CAPACITY (LIT.) ±4%	Ø (mm)	L1 (mm)	L2 (mm)	h (mm)	DRAWING NO.	PART-NO.	WEIGHT (kg)	NUMBER/ PALLET
10	206	375	354	64	ALU1001.12.5	10501142	2.3	35
15	206	535	514	64	ALU1002.12.5	10501143	3.0	35
20	246	500	479	70	ALU1004.12.5	10501144	3.5	35
30	246	720	699	70	ALU1005.12.5	10501145	4.9	35
40	246	942	921	70	ALU1007.12.5	10501146	6.2	35
40	276	766	745	75	ALU1008.12.5	10501148	5.6	24
40	310	629	608	96	ALU1009.12.5	10501151	5.7	24
60	246	1385	1364	70	ALU1010.12.5	10501147	9.0	24
60	276	1116	1095	75	ALU1011.12.5	10501149	8.2	24
60	310	900	879	96	ALU1012.12.5	10501152	7.6	24
60	396	590	569	110	ALU1013.12.5	10501154	7.9	12
80	310	1183	1162	96	ALU1017.12.5	10501153	10.0	24
80	396	761	740	110	ALU1014.12.5	10501155	9.9	12
85	276	1553	1532	75	ALU1020.12.5	10501150	11.2	24
100	396	930	909	110	ALU1015.12.5	10501156	11.8	12

Working Pressure 12,5 bar · (87/404/EEC)-EN 286.PT.2 · Amd. Sept. 92
EC Certificate of conformity No. EC 0010C

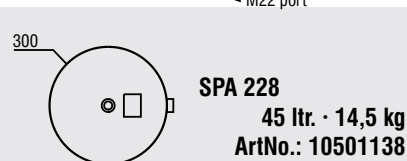
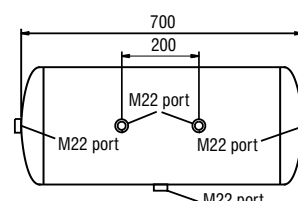
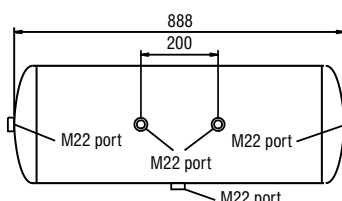
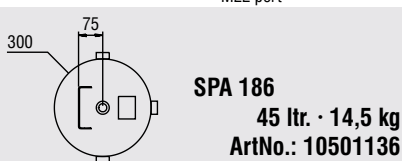
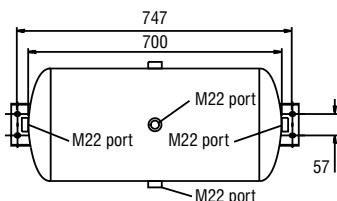
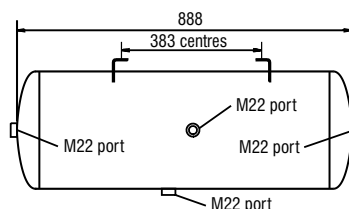
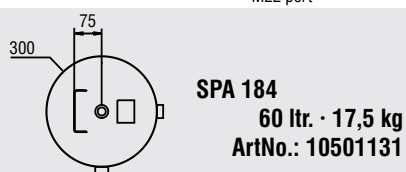
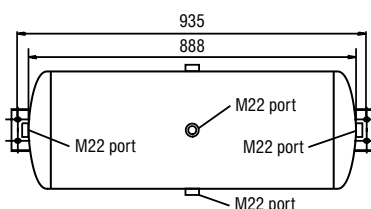
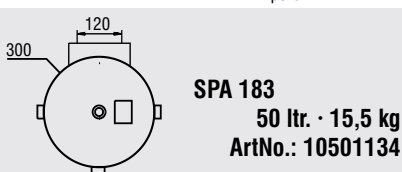
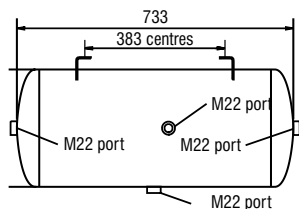
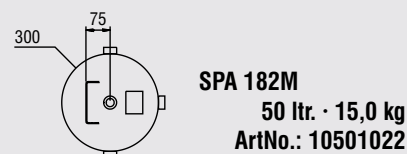
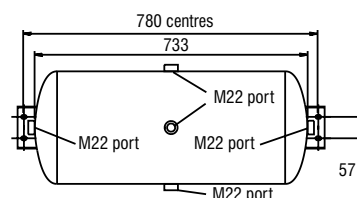
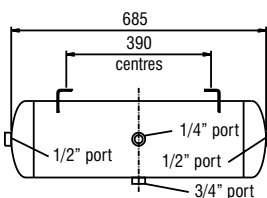
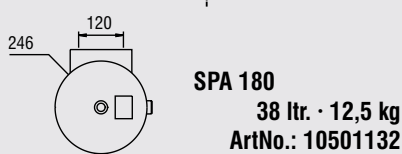
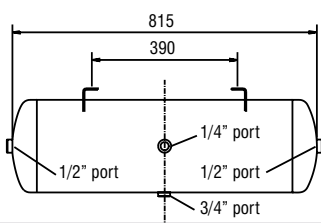
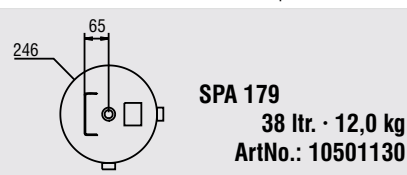
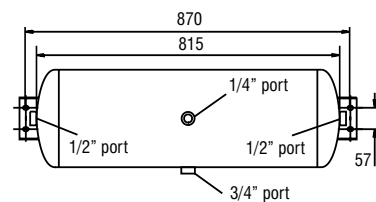
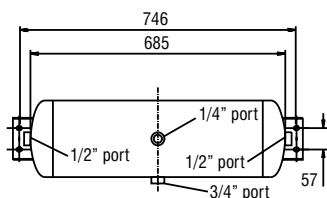
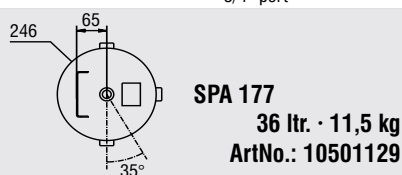
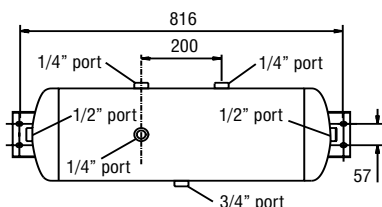


gigant 
the driving force

AIR PRESSURE VESSELS

STANDARD, steel, powder coated

4

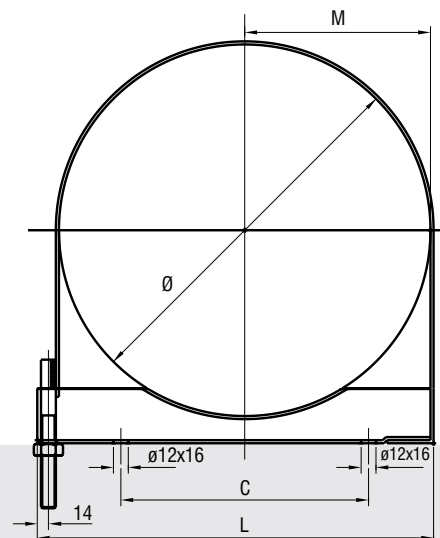




AIR PRESSURE VESSELS

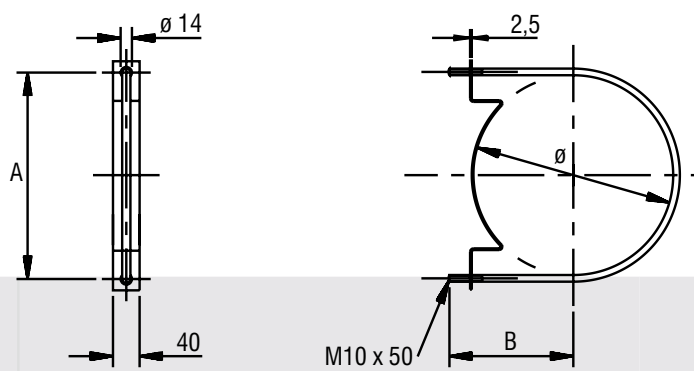
4

AIR RESERVOIR STRAPS

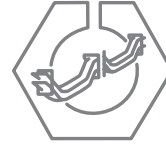


TYPE	Ø (mm)	L (mm)	C (mm)	M (mm)	ARTICLE-NO.	WEIGHT (kg)
SP 681 / 206	206	225	122	103	10500024	0,9 kg
SP 681 / 246	246	265	161	123	10500037	1,0 kg
SP 681 / 276	276	295	192	138	10500038	1,1 kg
SP 681 / 310	310	330	227	155	10500040	1,2 kg
SP 681 / 396	396	410	311	198	10500041	1,5 kg

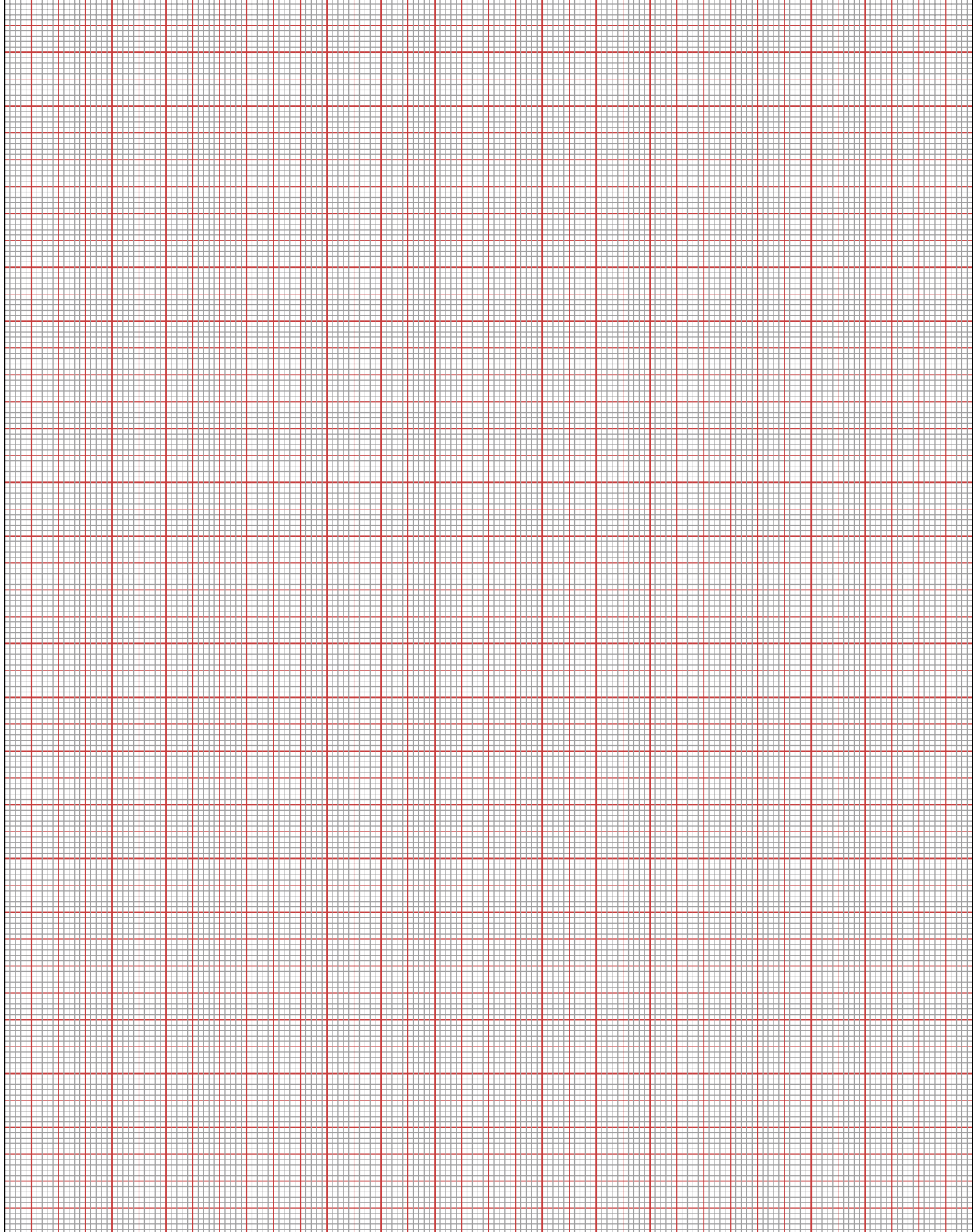
U-BOLT & SADDLE ASSEMBLY



TYPE	Ø (mm)	A (mm)	B (mm)	ARTIKEL-NO.
SP 281	300	310	187	10501141



Notes





 GIGANT Holding AG
 GIGANT Agenten

 **gigant - Trenkamp & Gehle GmbH**
Märschendorfer Straße 42
49413 Dinklage
Germany
Tel.: +49 (0) 44 43.96 20-0
Fax: +49 (0) 44 43.96 20-30
E-Mail: contact@gigant-group.com

 **gigant UK Ltd.**
Dale Road Industrial Estate
Shildon, Co. Durham - DL4 2RE
Great Britain
Tel.: +44 (0) 13 88.77 76 50
Fax: +44 (0) 13 88.77 77 44
E-Mail: general@gigant-uk.com

 **gigant FRANCE**
Route de Cliron
08090 Ham-les-Moines
France
Tel.: +33 (0) 3.24 59 54 54
Fax: +33 (0) 3.24 54 81 58
E-Mail: info@gigant.fr

 **gigant UK Ltd.**
Eccentric House
Rockingham Road, Market Harborough
Leicestershire - LE16 7QE
Great Britain
Tel.: +44 (0) 18 58.43 48 13
Fax: +44 (0) 18 58.46 52 54
E-Mail: general@gigant-uk.com

www.gigant-group.com