Products for container equipment and intermodal transports

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Member of JOST-World

Products for container equipment

JOST – from small workshop to global player

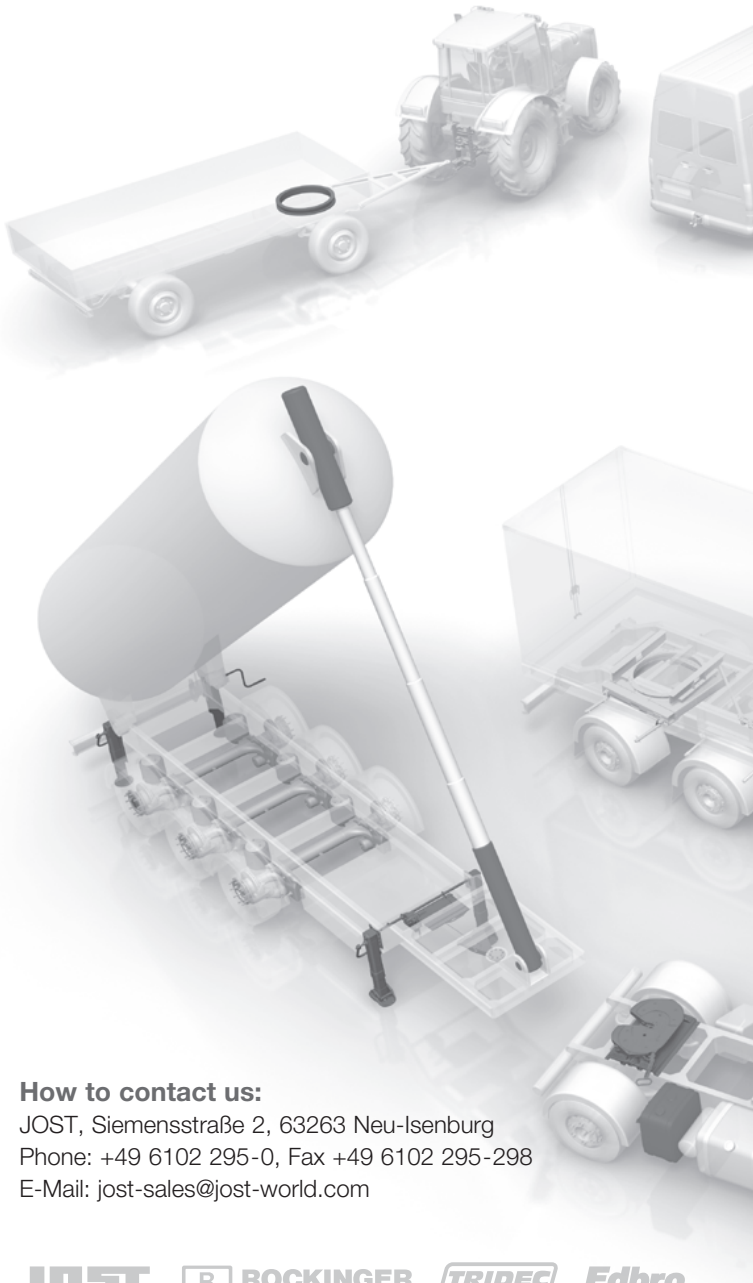
JOST‘s history began as a typical post-war success story. In the early 1950s, Neu-Isenburg is home to two real movers and shakers – Hans Breuer and Joseph Steingass. Inspired by the semitrailer trucks they had seen the American troops using in Frankfurt, they began developing fifth wheel couplings made of cast steel. They filed a patent for their invention in 1955, and received general type approval in 1960.

This quickly turned the former forge for ball bearing turntables into an extremely successful company that has been market leader in the field ever since. The expansion into international markets, which began as far back as the 1960s, has also played a big part in JOST‘s positive development. In the meantime JOST is represented on every continent in the world with production sites and sales offices.

The start of the new millennium signalled another milestone in the company‘s history. The production technology and product range were extensively modernised, while the takeover of JOST by well-financed investors made the acquisition of appropriate companies possible.

Today, it is impossible to imagine the truck and trailer market without JOST World – and its four strong brands JOST, ROCKINGER, TRIDEC and Edbro – as a globally active provider of components and systems.

However, just as the company‘s main office in Neu-Isenburg still rests on the foundation walls of the former forge, JOST‘s success is based on characteristics that are in the company‘s DNA now and when it was founded: outstanding engineering services for the products the market needs, teamed with spirit and brave decisions.



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E-Mail: jost-sales@jost-world.com

JOST ROCKINGER TRIDEC Edbro

You will find these products in this catalogue

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Components for intermodal transports

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Corner castings

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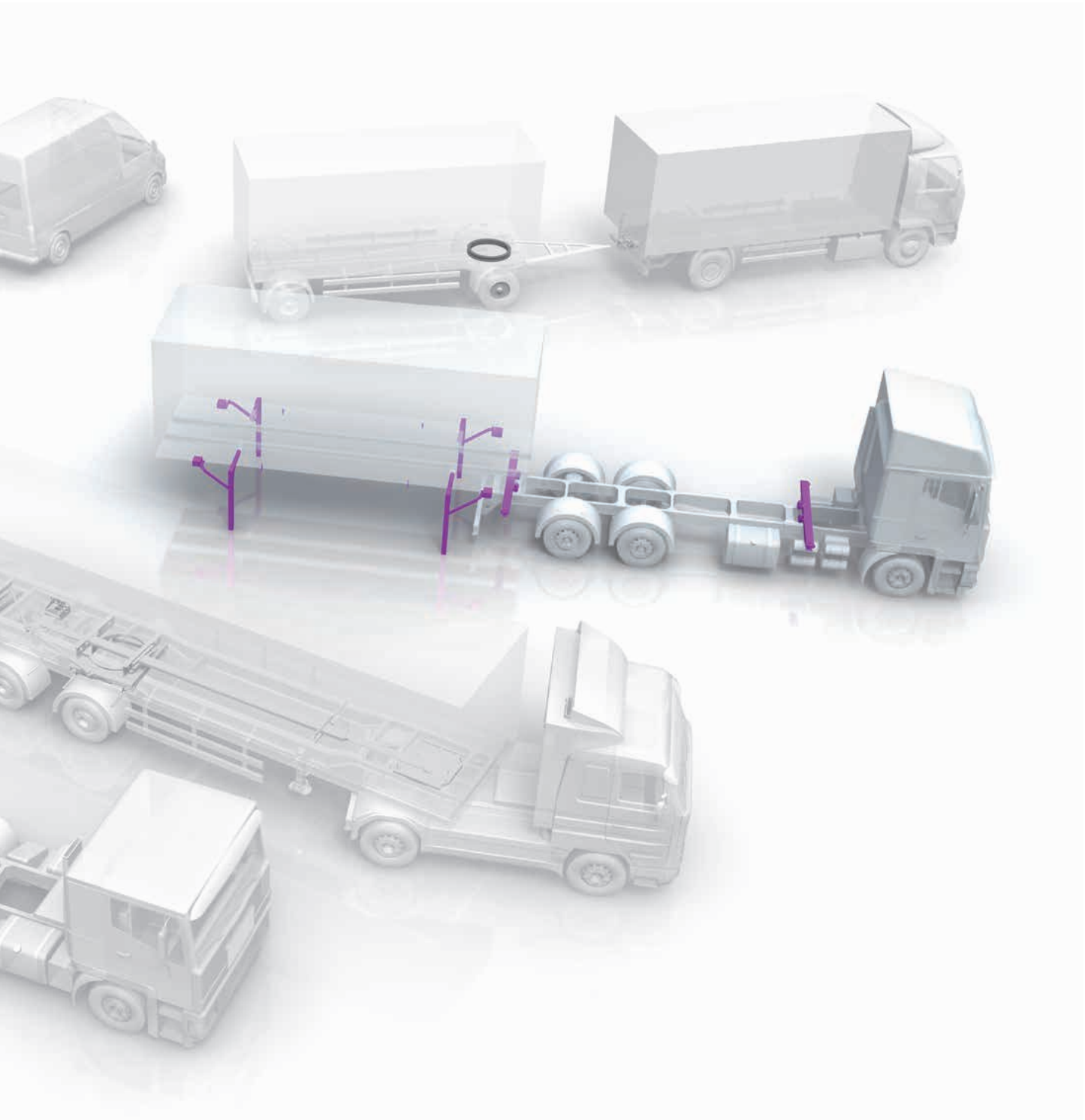
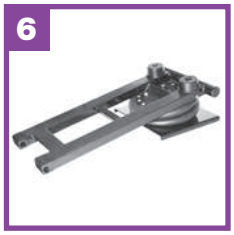
Twist locks

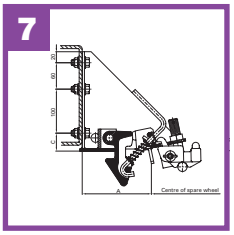
4
Bolsters

5
Lifting frame for swap bodies





Airbag lifting devices



Spare wheel holders

The entire product overview online

Container equipment

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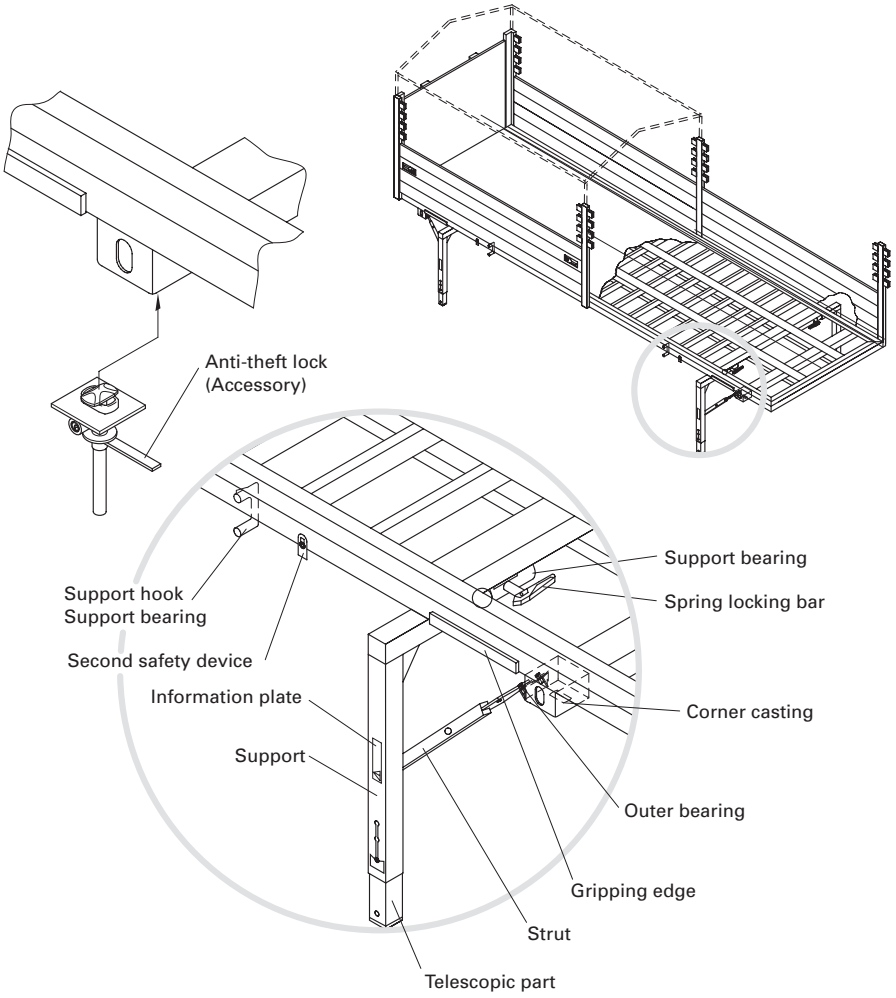
Components for intermodal transports

Flexibility, compatibility, stability and safety are the basic parameters for a future-oriented motor pool. JOST ensures that these parameters can be satisfied with its international quality standards and a global sales and after sales service network.

Components for intermodal transports allows interchange and container systems to be parked safely and then connected to the appropriate carrier vehicle (truck, trailer, railway wagon, etc.). The components for intermodal transports must always be used as set out in the instructions in the operating manual for the relevant vehicle. In Germany you must comply with the TÜV regulations and the Road Traffic Act StVZO, as well as the existing standards.



Product range of supports

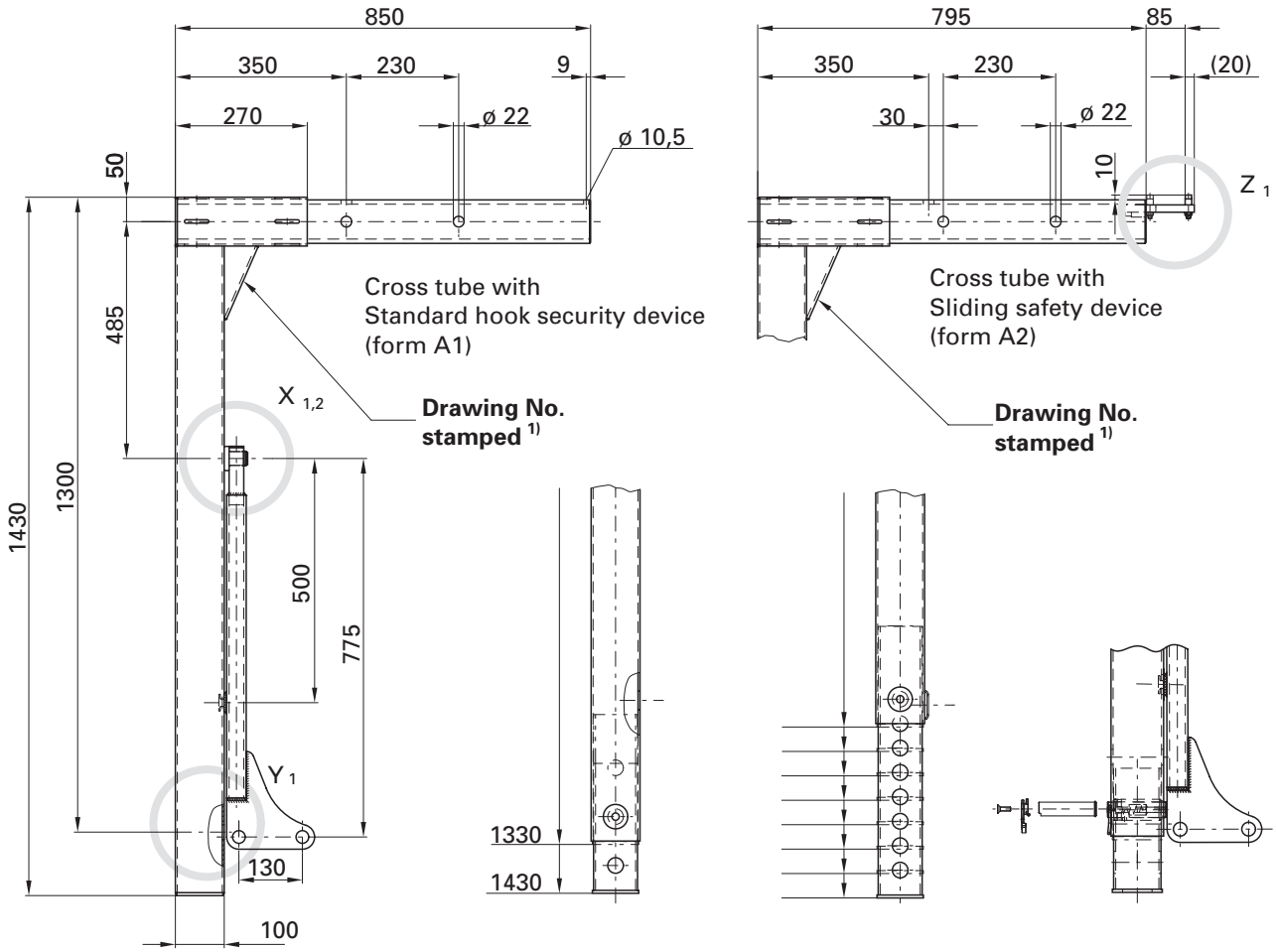
Standard version in compliance with / similar to EN 284

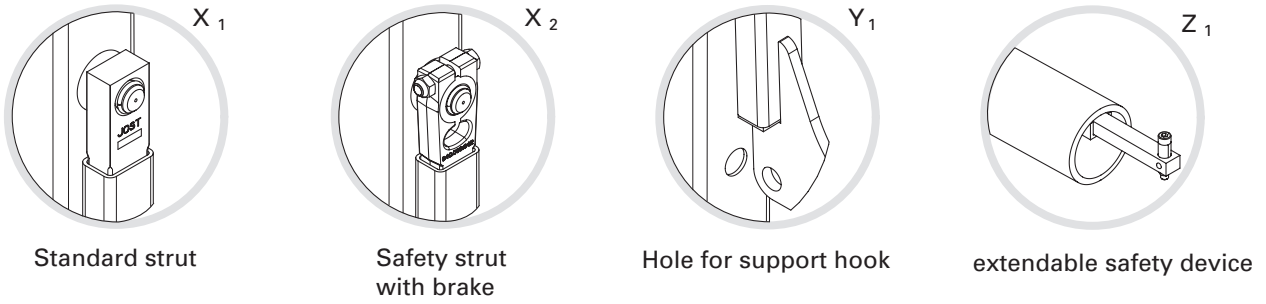
Maximum gross weight of the swap body (kg)	Design pursuant to EN 284	Supports, non telescopic	Telescoping	Undetachable telescopic part	Standard strut	Safety strut	Hole for support hook	Overall length (mm)	Weight (kg)	Order No.		Drawing No.	Figure see page …
18.000	A1	•			•		•	1430	37.0	SS 86	SKL	640.497.000	11
		•				•	•	1430	37.0		SKBL	640.498.000	11
			•		•		•	1330-1430	39.0		TSKL	640.501.000	11
			•			•	•	1330-1430	39.0		TSKBL	640.502.000	11
			•	•	•		•	1330-1430	40.0		TSKSL	642.594.000	11
			•	•		•	•	1330-1430	40.0		TSKSBL	642.595.000	11
18.000	A2	•			•		•	1430	37.0		SKL2	640.499.000	14
		•				•	•	1430	37.0		SKBL2	640.500.000	14
			•		•		•	1330-1430	39.0		TSKL2	640.503.000	14
			•			•	•	1330-1430	39.0		TSKBL2	640.504.000	14
			•	•	•		•	1330-1430	40.0		TSKSL2	642.483.000	14
			•	•		•	•	1330-1430	40.0		TSKSBL2	642.484.000	14
			•	•	•		•	1330-1430	40.0		TSKXL2	640.872.000	14
			•	•		•	•	1330-1430	40.0		TSKXBL2	640.873.000	14
Other versions													
18.000	A2		•	•	•			1130-1430	41.0	SS 86	TSKS2003	642.553.000	17
			•	•	•			930-1230	38.0	SS 86	TSKS2004	642.554.000	17
			•		•			930-1230	38.0	SS 86	TSK2049	641.197.000	17
			•	•	•			1080-1430	41.0	SS 86	TSKS2006	642.556.000	17
			•		•			1080-1430	41.0	SS 86	TSK2072	641.556.000	17
6.000		•			•			1230	25.5	RS 7080	SK	641.206.000	18
		•				•		1230	25.5		SKB	641.207.000	18
			•		•			1130-1230	27.0		TSK	641.208.000	18
			•			•		1130-1230	27.0		TSKB	641.209.000	18
10.000		•			•			1430	36.0	RS 7090	SK	640.071.000	19
		•				•		1430	36.0		SKB	640.214.000	19
			•		•			1330-1430	37.5		TSK	640.075.000	19
			•			•		1330-1430	37.5		TSKB	640.215.000	19
16.000		•			•			1080	37.0	RS 7100	SVS	641.930.000	20
		•				•		1080	36.5		SVB	641.213.000	20
			•		•			1080-1180	38.0		TSVS	641.931.000	20
			•			•		1080-1180	38.0		TSVB	641.214.000	20
25.000		•			•			1430	48.0	RS 1025	S*	640.612.000	
		•				•		1430	48.0		SB*	640.715.000	
31.000		•			•			1450	66.0	RS 1230	S*	640.063.000	

Special versions with other dimensions are available on request.
See page 12 and 13 for individual support parts, see page 23 for strut pivot pins.
Special versions: See page 21 for bespoke supports.
** further information is available on request*

All supports are delivered primed
Coatings that can be deilvered on demand:
- EPD primer and powder coating in standard RAL colours
- Hot-dip galvanised

Component range



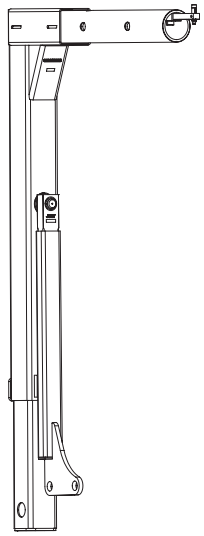


1) For all types with a welded node plate.
For series RS 7080 and RS 7090 the Drawing No. is stamped on the external reinforcement.

Component range

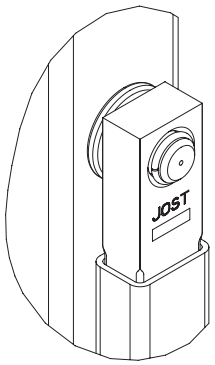
All support leg versions

- Embossed, 9-digit part number in the gusset plate between support tube and standpipe
- Specification when exchanging easy, clear, quick
- Individualised arrangement of spare parts (e.g. strut) easily accomplished via parts list



Strut bearing

- Bearing bolt with welding plate D = 60mm
- Increased stability when loading forklift



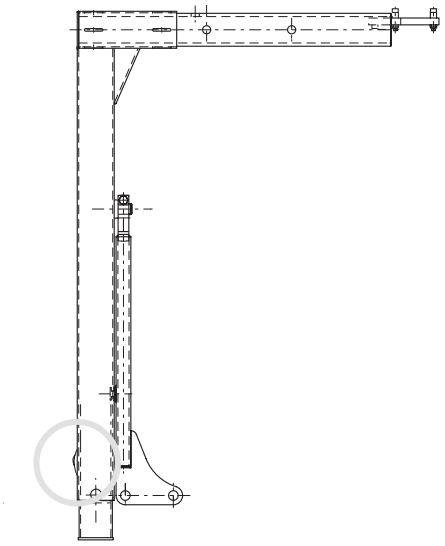
Special models

- Manufacturing of customer-specific special models possible

Individual and competent consulting on all questions concerning construction, application and use of alternating systems.

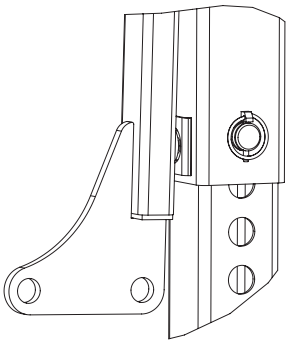
For undetachable telescopic legs (S-Version)

- Increased safety and ease of use thanks to keyhole principle
- Robust execution due to a catch plate with a tailored design and large grip disc on the bolt
- Resistant to climatic conditions



For standard telescopic legs

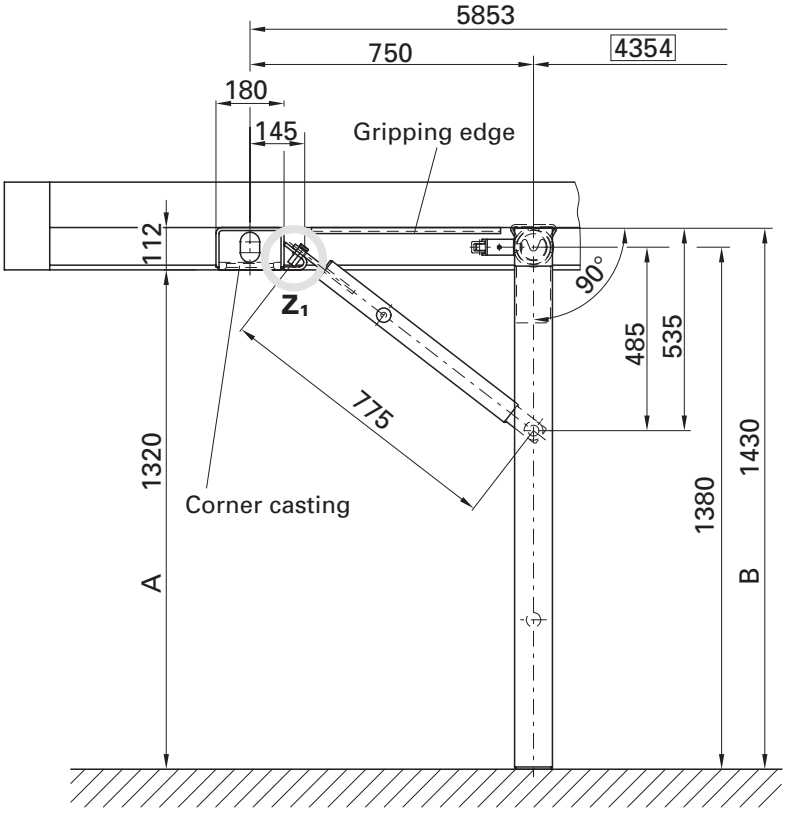
- Linch pin instead of safety pin
- Easier handling



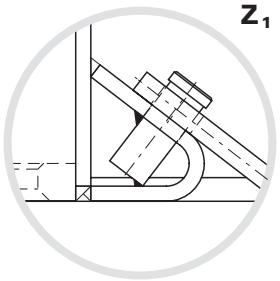
Coating

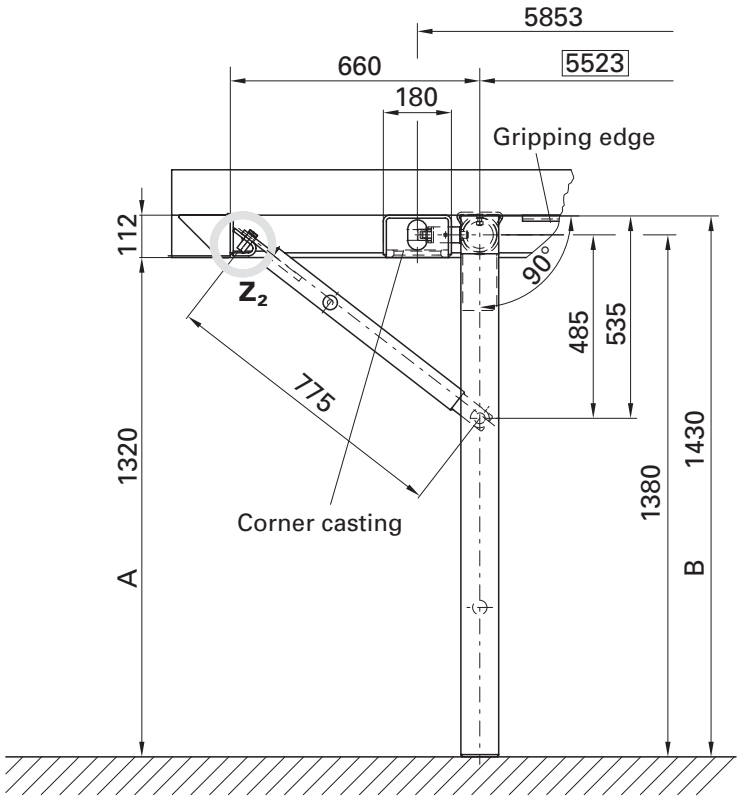
- JOST internal e-coating
- High level of corrosion protection
- Wide range of RAL colours for final powder coating possible
- Hot-dip galvanised

Arrangement of support legs

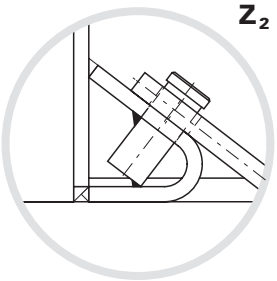


DIN EN 284 (Form A1)





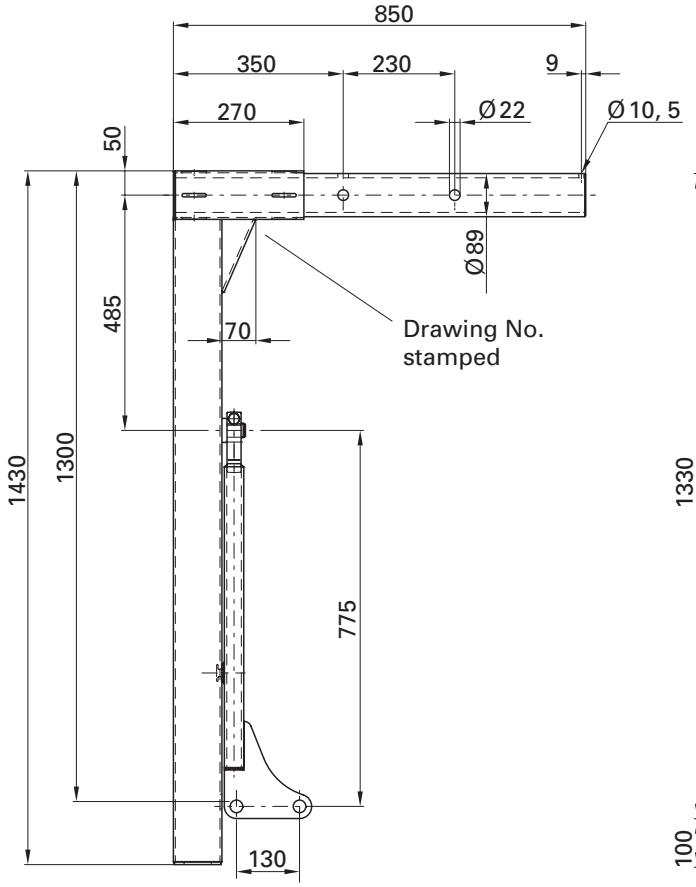
DIN EN 284 (Form A2)



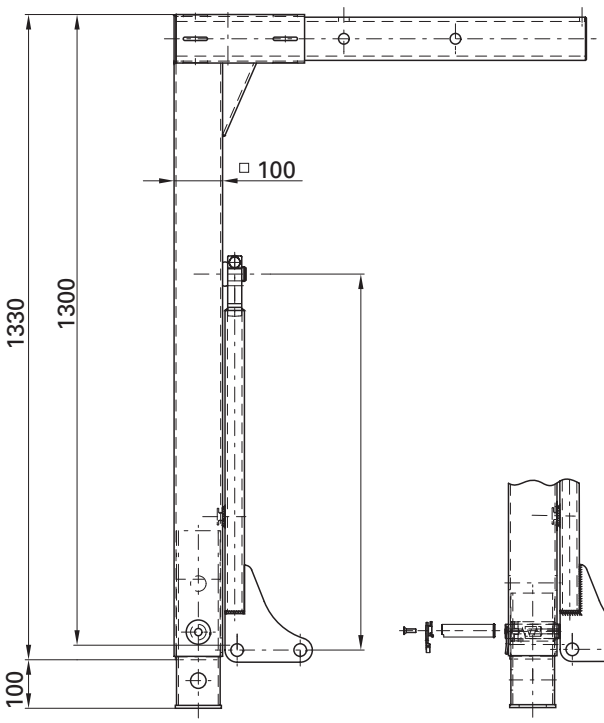
A = Height from the ground
B = Lenght of leg

SS 86, form A1

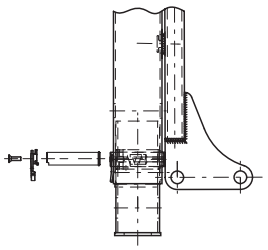
For swap bodies with a maximum gross weight of 18.000 kg
Dimensions pursuant to DIN EN 284, form A1, Federal Railways Certificate 629



SS 86 SKL



SS 86 TSKL



SS 86 TSKSL

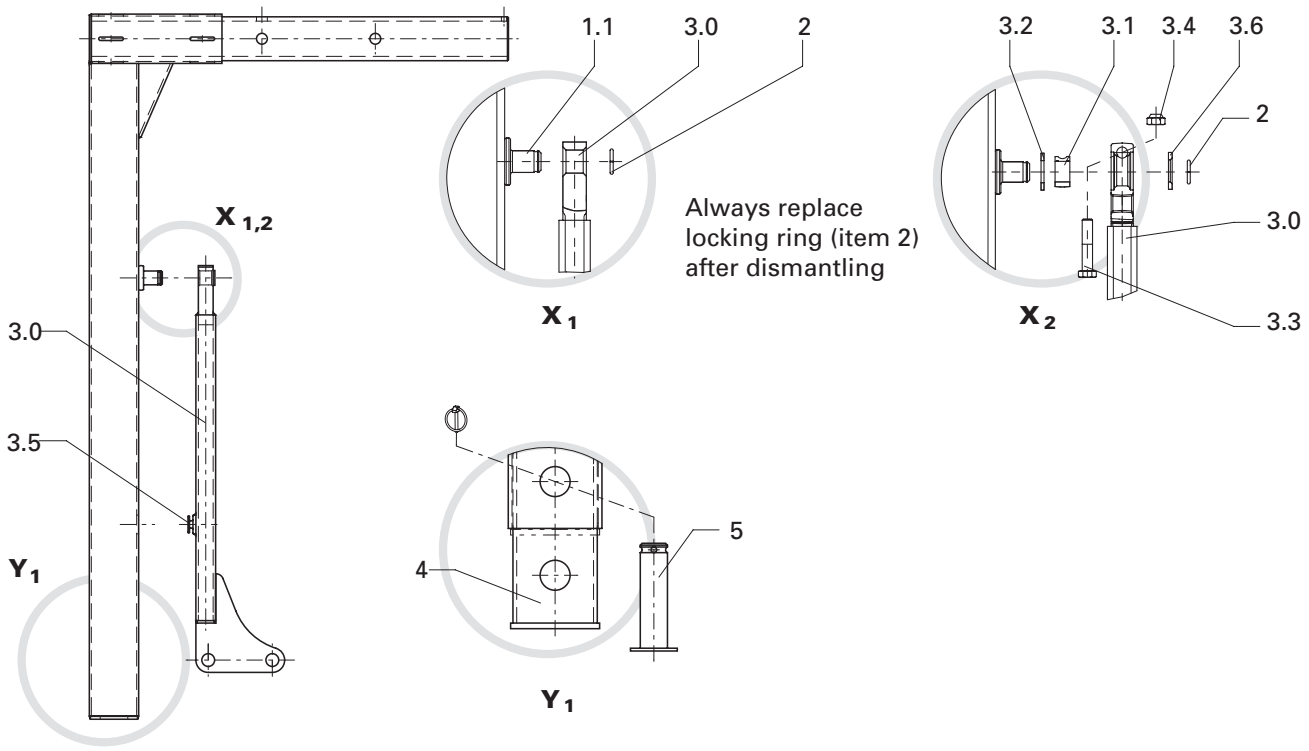
SKL = Non telescopic with hole for support hook
SKBL = Non telescopic with safety strut / strut brake and hole for support hook
TSKL = Telescoping with standard strut and hole for support hook
TSKBL = Telescoping with safety strut and hole for support hook
TSKSL = Telescoping with undetachable telescopic part and hole for support hook
TSKSBL = Telescoping with undetachable telescopic part, safety strut / strut brake and hole for support hook

Selection table / Available versions

Weight (kg)	Order No.	Drawing No.
37.0	SS 86 SKL	640.497.000
37.0	SS 86 SKBL	640.498.000
39.0	SS 86 TSKL	640.501.000
39.0	SS 86 TSKBL	640.502.000
40.0	SS 86 TSKSL	642.594.000
40.0	SS 86 TSKSBL	642.595.000

SS 86, form A1

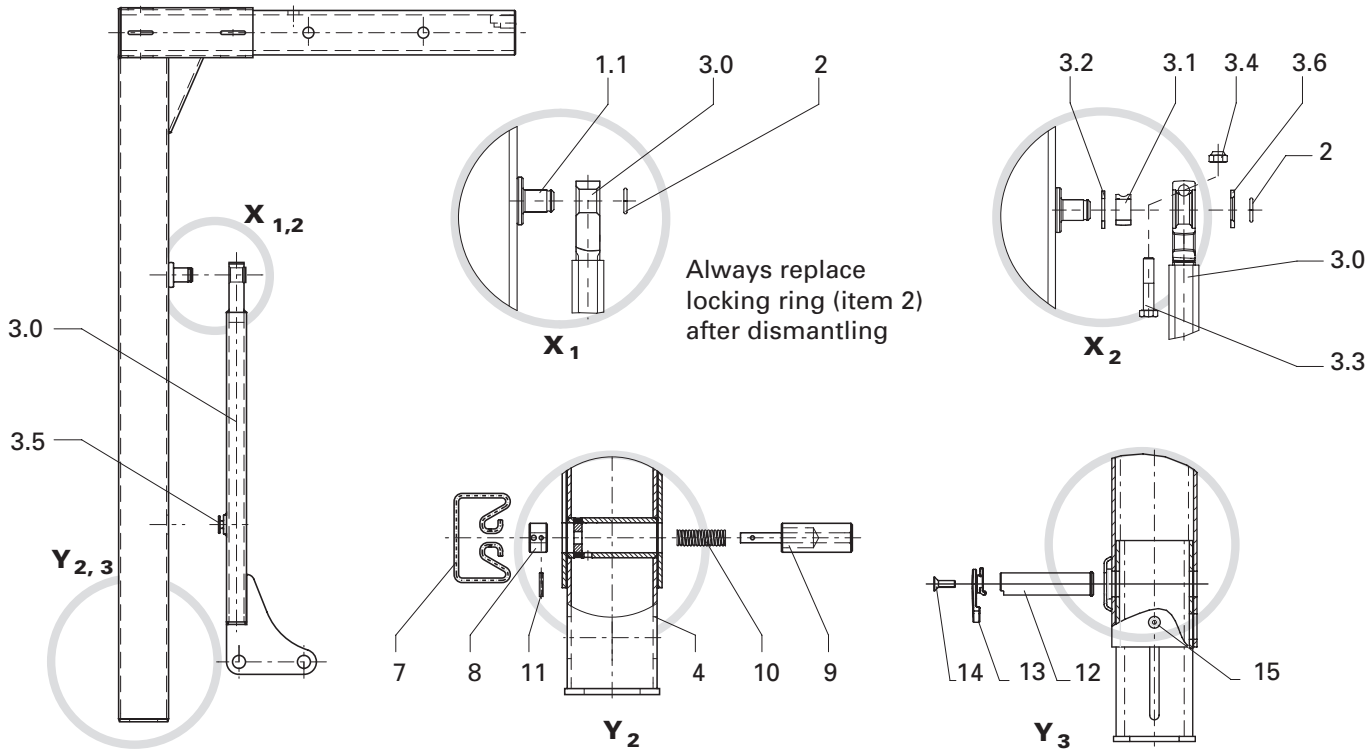
Spare parts



Item	Description	SS 86 SKL	SS 86 SKBL	SS 86 TSKL	SS 86 TSKBL
1.1	Strut bolt	640.000.040	640.000.040	640.000.040	640.000.040
2	Locking ring	645.003.008	645.003.008	645.003.008	645.003.008
3.0	Strut compl.	640.247.000	640.248.000	640.247.000	640.248.000
3.1	Clamping bush		640.159.002		640.159.002
3.2	Washer		000.006.013		000.006.013
3.3	Hexagon bolt M14x75		NT0026000		NT0026000
3.4	Hexagon bolt M14		000.002.012		000.002.012
3.5	Strut knob	640.004.007	640.004.007	640.004.007	640.004.007
3.6	Washer		640.159.003		640.159.003
4	Telescopic part			640.277.000	640.277.000
5	Pin			640.027.002	640.027.002
6	Linch pin			000.008.010	000.008.010

SS 86, form A1

Spare parts



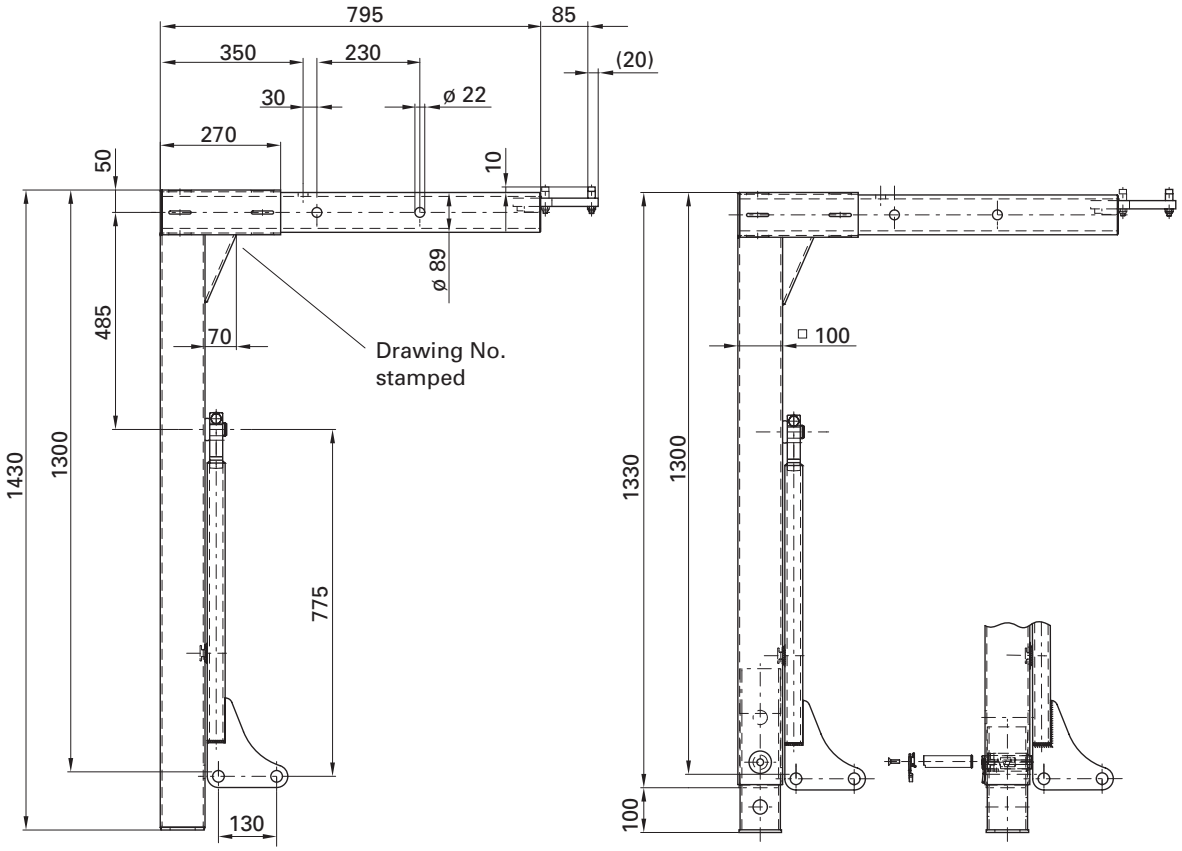
Item	Description	SS 86 TSKL	SS 86 TSKBL	SS 86 TSKXL	SS 86 TSKXBL
1.1	Strut bolt	640.000.040	640.000.040	640.000.040	640.000.040
2	Locking ring	645.003.008	645.003.008	645.003.008	645.003.008
3.0	Strut compl.	640.247.000	640.248.000	640.247.000	640.248.000
3.1	Clamping bush		640.159.002		640.159.002
3.2	Washer		000.006.013		000.006.013
3.3	Hexagon bolt M14x75		NT0026000		NT0026000
3.4	Hexagon bolt M14		000.002.012		000.002.012
3.5	Strut knob	640.004.007	640.004.007	640.004.007	640.004.007
3.6	Washer		640.159.003		640.159.003
4	Telescopic part	640.277.000	640.277.000	640.870.300	640.870.300
7	Spring handle			640.738.514	640.738.514
8	Support bolt head			640.738.515	640.738.515
9	Support bolt compl.			640.738.512	640.738.512
10	Ccompression spring			640.738.513	640.738.513
11	Clamping pin			000.003.021	000.003.021
12	Bolt	642.483.001	642.483.001		
13	Handle	640.000.045	640.000.045		
14	Countersunk bolt M8x25	30524-020	30524-020		
15	Bolt M8x12	NT0048000	NT0048000		

Spare parts kit

Item	Description	Order No.
7, 8, 9, 10, 11	Spare parts kit for X-support	001.000.043
12,13,14	Spare parts kit for S-support	001.000.045

SS 86, form A2

For swap bodies with a maximum gross weight of 18.000 kg
Dimensions pursuant to DIN EN 284, form A2, Federal Railways Certificate 629



SS 86 SKL2 SS 86 TSKL2 SS 86 TSKSL2

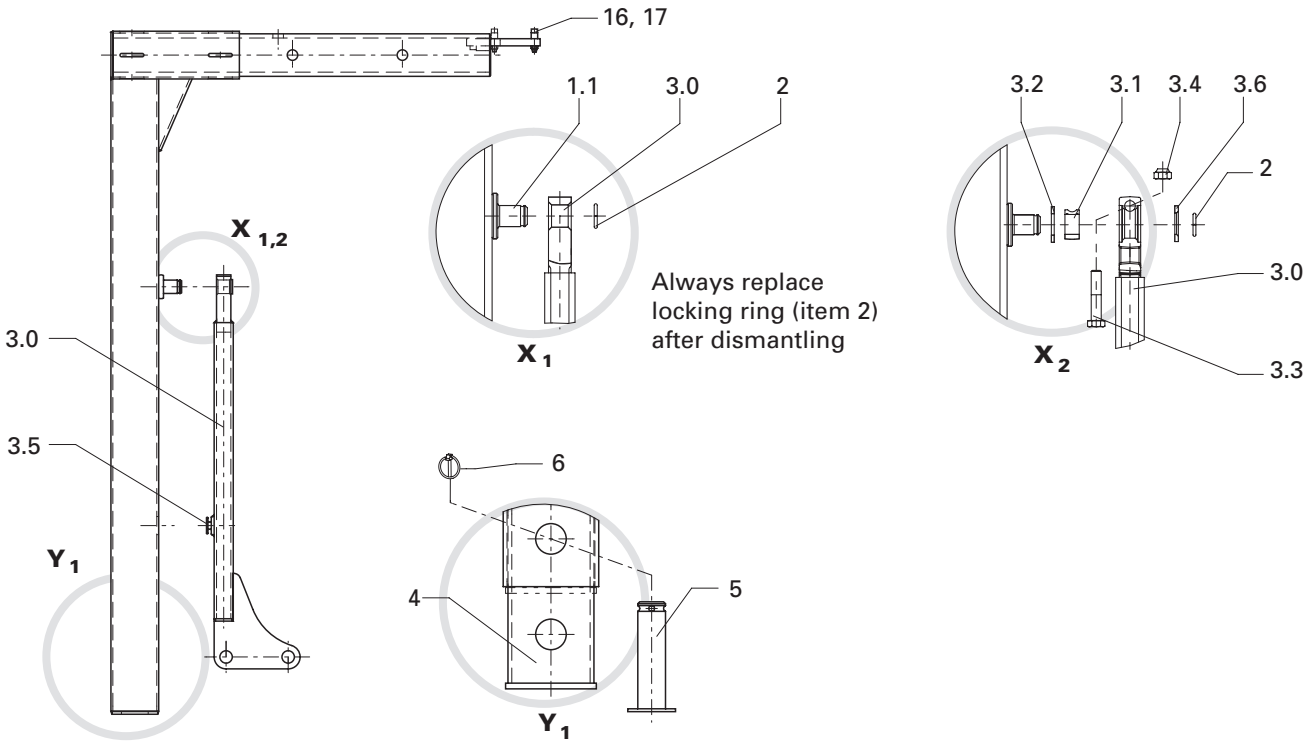
SKL2 = Non telescopic with standard strut and sliding safety device (VAHS)
SKBL2 = Non telescopic with safety strut / strut brake, hole for support hook and VAHS
TSKL2 = Telescoping with standard strut, hole for support hook and VAHS
TSKBL2 = Telescoping with safety strut, hole for support hook and VAHS
TSKSL2 = Telescoping with undetachable telescopic part with hole for support hook and VAHS
TSKSBL2 = Telescoping with undetachable telescopic part, safety strut / strut brake, with hole for support hook and VAHS

Selection table / Available versions

Weight (kg)	Order No.	Drawing No.
37.0	SS 86 SKL2	640.499.000
37.0	SS 86 SKBL2	640.500.000
39.0	SS 86 TSKL2	640.503.000
39.0	SS 86 TSKBL2	640.504.000
40.0	SS 86 TSKSL2	642.483.000
40.0	SS 86 TSKSBL2	642.484.000

SS 86, form A2

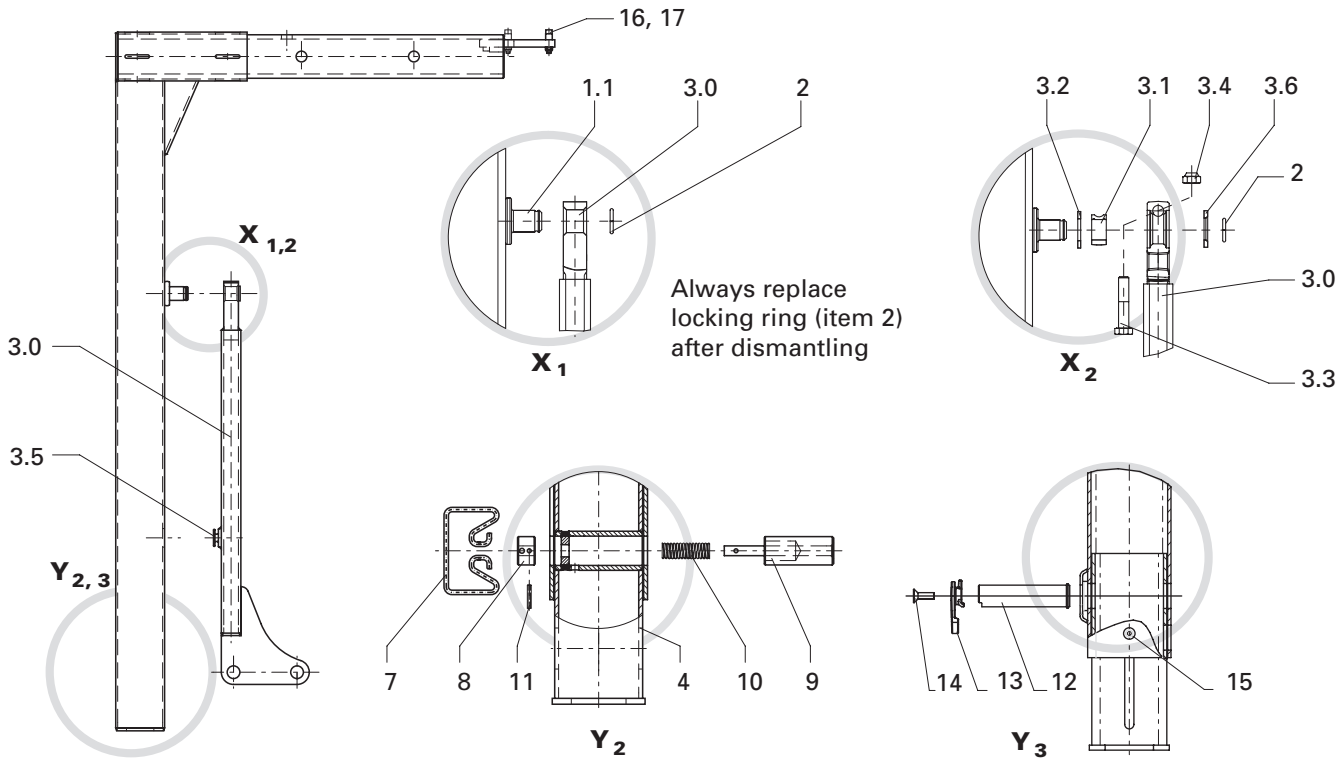
Spare parts



Item.	Description	SS 86 SKL2	SS 86 SKBL2	SS 86 TSKL2	SS 86 TSKBL2
1.1	Strut bolt	640.000.040	640.000.040	640.000.040	640.000.040
2	Locking ring	645.003.008	645.003.008	645.003.008	645.003.008
3.0	Strut compl.	640.247.000	640.248.000	640.247.000	640.248.000
3.1	Clamping bush		640.159.002		640.159.002
3.2	Washer		000.006.013		000.006.013
3.3	Hexagon bolt M14x75		NT0026000		NT0026000
3.4	Hexagon bolt M14		000.002.012		000.002.012
3.5	Strut knob	640.004.007	640.004.007	640.004.007	640.004.007
3.6	Washer		640.159.003		640.159.003
4	Telescopic part			640.277.000	640.277.000
5	Pin			640.027.002	640.027.002
6	Linch pin			000.008.010	000.008.010
16	Locking parts without bearing	640.185.010	640.185.010	640.185.010	640.185.010
17	Locking parts with bearing	640.185.000	640.185.000	640.185.000	640.185.000

SS 86, form A2

Spare parts



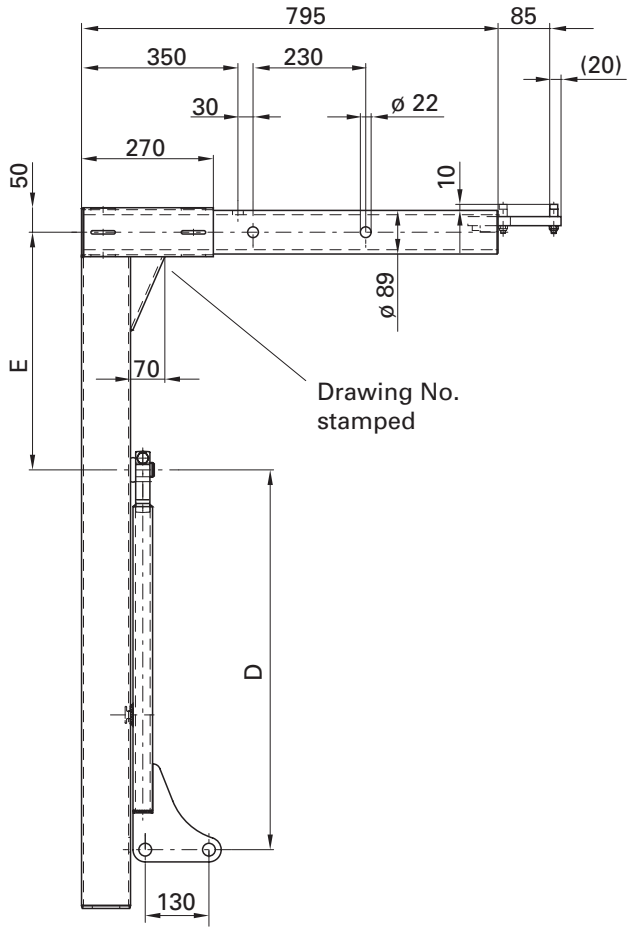
Item.	Description	SS 86 TSKSL2	SS 86 TSKSBL2	SS 86 TSKXL2	SS 86 TSKXBL2
1.1	Strut bolt	640.000.040	640.000.040	640.000.040	640.000.040
2	Locking ring	645.003.008	645.003.008	645.003.008	645.003.008
3.0	Strut compl.	640.247.000	640.248.000	640.247.000	640.248.000
3.1	Clamping bush		640.159.002		640.159.002
3.2	Washer, inside		000.006.013		000.006.013
3.3	Hexagon bolt M14x75		NT0026000		NT0026000
3.4	Hexagon bolt M14		000.002.012		000.002.012
3.5	Strut knob	640.004.007	640.004.007	640.004.007	640.004.007
3.6	Washer, outside		640.159.003		640.159.003
4	Telescopic part	642.361.400	642.361.400	640.870.300	640.870.300
7	Spring handle			640.738.514	640.738.514
8	Support bolt head			640.738.515	640.738.515
9	Support bolt compl.			640.738.512	640.738.512
10	Compression springs			640.738.513	640.738.513
11	Clamping pin			000.003.021	000.003.021
12	Bolt	642.483.001	642.483.001		
13	Handle	640.000.045	640.000.045		
14	Countersunk bolt M8x25	30524-020	30524-020		
15	Bolt M8x12	NT0048000	NT0048000		
16	Locking parts without bearing	640.185.010	640.185.010	640.185.010	640.185.010
17	Locking parts with bearing	640.185.000	640.185.000	640.185.000	640.185.000

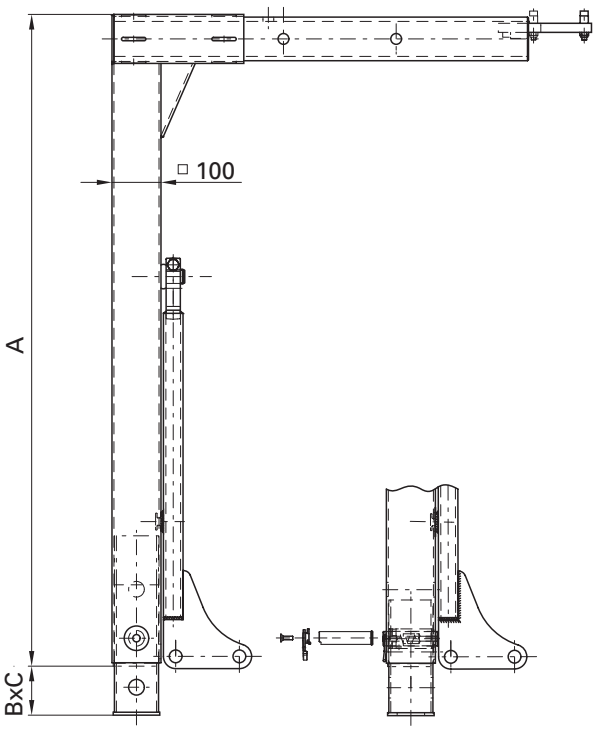
Spare parts kit

Item.	Description	Order No.
7, 8, 9, 10, 11	Spare parts kit for X-support	001.000.043
12, 13, 14	Spare parts kit for S-support	001.000.045

SS 86, form A2

For volume containers up to a maximum gross weight of 18.000 kg
Dimensions comply with/similar to DIN EN 284, form A2





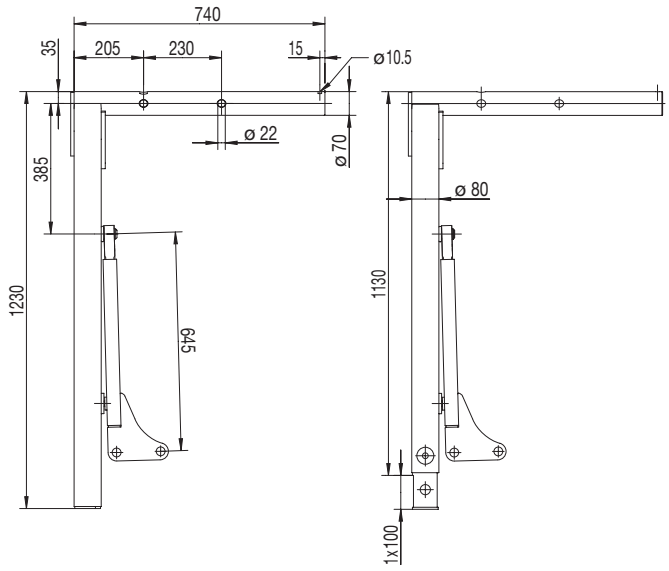
SS 86 TSK2 SS 86 TSKS2

Selection table / Available versions

Weight (kg)	Order No.	Drawing No.	A (mm)	BxC (mm)	D (mm)	E (mm)
40.0	SS 86TSKS2003	642.553.000	1130	6x50	775	485
41.0	SS 86TSKS2004	642.554.000	1080	7x50	775	485
41.0	SS 86TSK2049	641.197.000	1080	7x50	775	485
38.0	SS 86TSKS2006	642.556.000	930	6x50	560	345
38.0	SS 86TSK2072	641.556.000	930	6x50	560	345

RS 7080

For swap bodies with a maximum gross weight of 6.000 kg



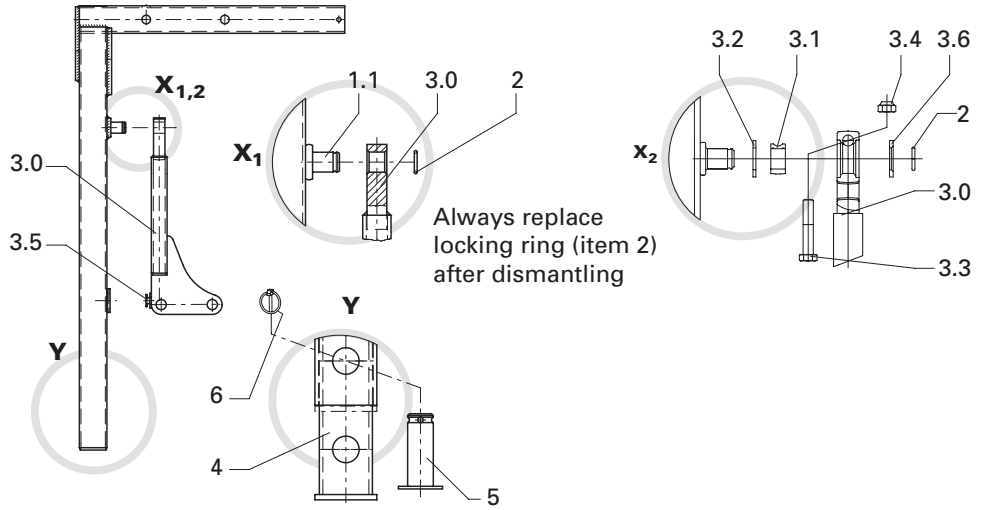
RS 7080 SK RS 7080 TSK

SK = Non telescopic with standard strut
SKB = Non telescopic with safety strut/strut brake
TSK = Telescoping (1x100) with standard strut
TSKB = Telescoping (1x100) with safety strut/strut brake

Selection table / Available versions

Weight (kg)	Order No.	Drawing No.
25.5	RS 7080 SK	641.206.000
25.5	RS 7080 SKB	641.207.000
27.0	RS 7080 TSK	641.208.000
27.0	RS 7080 TSKB	641.209.000

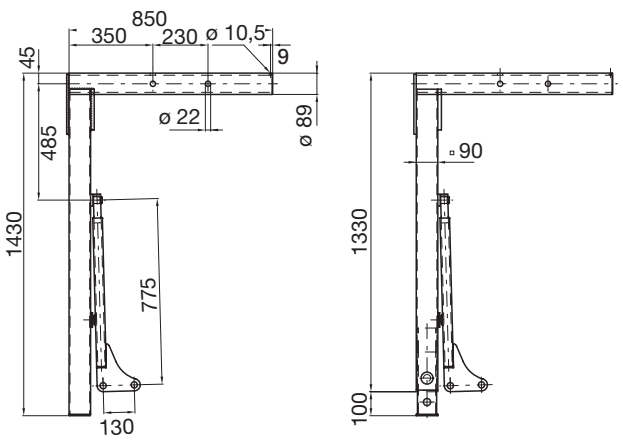
Spare parts



Item.	Description	RS 7080 SK	RS 7080 SKB	RS 7080 TSK	RS 7080 TSKB
1.1	Strut bolt	640.104.002	640.104.002	640.104.002	640.104.002
2	Locking ring	645.003.008	645.003.008	645.003.008	645.003.008
3.0	Strut compl.	640.409.300	641.209.200	640.409.300	641.209.200
3.1	Clamping bush		640.159.002		640.159.002
3.2	Washer		000.006.013		000.006.013
3.3	Hexagon bolt M14x75		NT0026000		NT0026000
3.4	Hexagon bolt M14		000.002.012		000.002.012
3.5	Strut knob	640.004.007	640.004.007	640.004.007	640.004.007
3.6	Washer		640.159.003		640.159.003
4	Telescopic part		640.076.006	640.076.006	
5	Pin		640.076.007	640.076.007	
6	Linch pin		000.008.010	000.008.010	

RS 7090

For swap bodies with a maximum gross weight of 10.000 kg



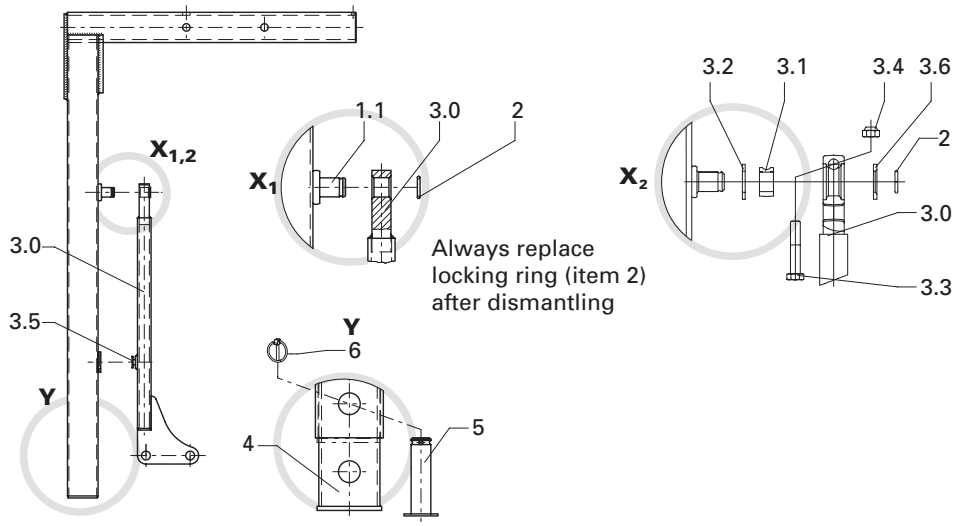
RS 7090 SK RS 7090 TSK

SK = Non telescopic with standard strut
SKB = Non telescopic with safety strut/strut brake
TSK = Telescoping (1x100) with standard strut
TSKB = Telescoping (1x100) with safety strut/strut brake

Selection table / Available versions

Weight (kg)	Order No.	Drawing No.
36.0	RS 7090 SK	640.071.000
36.0	RS 7090 SKB	640.214.000
37.5	RS 7090 TSK	640.075.000
37.5	RS 7090 TSKB	640.215.000

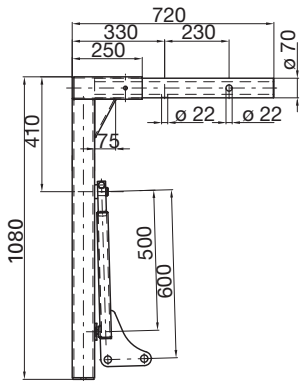
Spare parts



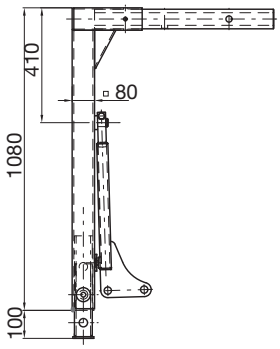
Item.	Description	RS 7090 SK	RS 7090 SKB	RS 7090 TSK	RS 7090 TSKB
1.1	Strut bolt	640.104.002	640.104.002	640.104.002	640.104.002
2	Locking ring	645.003.008	645.003.008	645.003.008	645.003.008
3.0	Strut compl.	640.247.000	640.248.000	640.247.000	640.248.000
3.1	Clamping bush		640.159.002		640.159.002
3.2	Washer		000.006.013		000.006.013
3.3	Hexagon bolt M14x75		NT0026000		NT0026000
3.4	Hexagon bolt M14		000.002.012		000.002.012
3.5	Strut knob	640.004.007	640.004.007	640.004.007	640.004.007
3.6	Washer		640.159.003		640.159.003
4	Telescopic part		640.075.006	640.075.006	
5	Pin		640.075.007	640.075.007	
6	Linch pin		000.008.010	000.008.010	

RS 7100

For swap bodies with a maximum gross weight of 16,000 kg and low frame height (Jumbo containers)



RS 7100 SVB



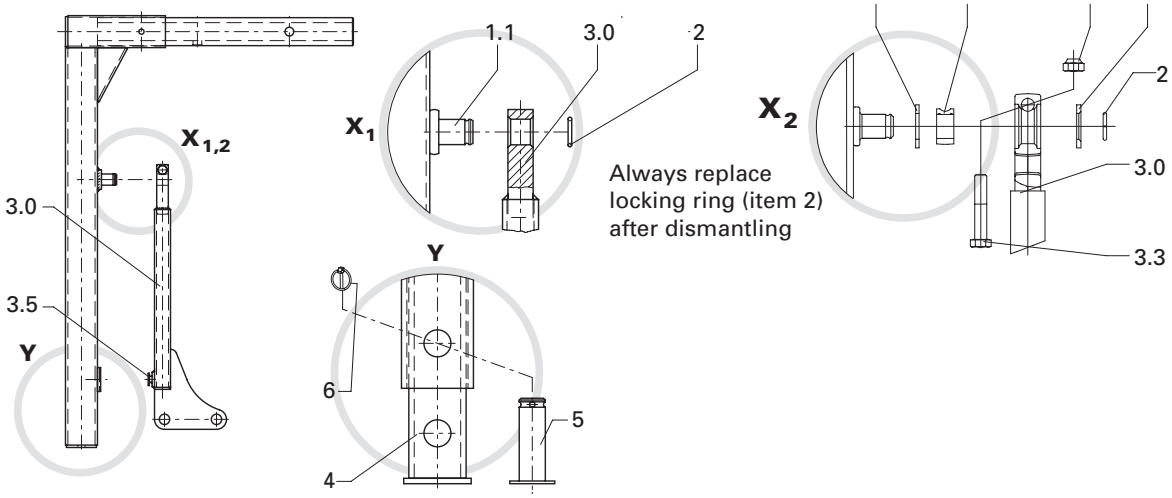
RS 7100 TSVB

SVS = Non telescopic, without brake
SVB = Non telescopic with safety strut/strut brake
TSVS = Telescoping (1x100), without brake
TSVB = Telescoping (1x100) with safety strut/strut brake

Selection table / Available versions

Weight (kg)	Order No.	Drawing No.
36.5	RS 7100 SVS	641.930.000
36.5	RS 7100 SVB	641.213.000
38.0	RS 7100 TSVS	641.931.000
38.0	RS 7100 TSVB	641.214.000

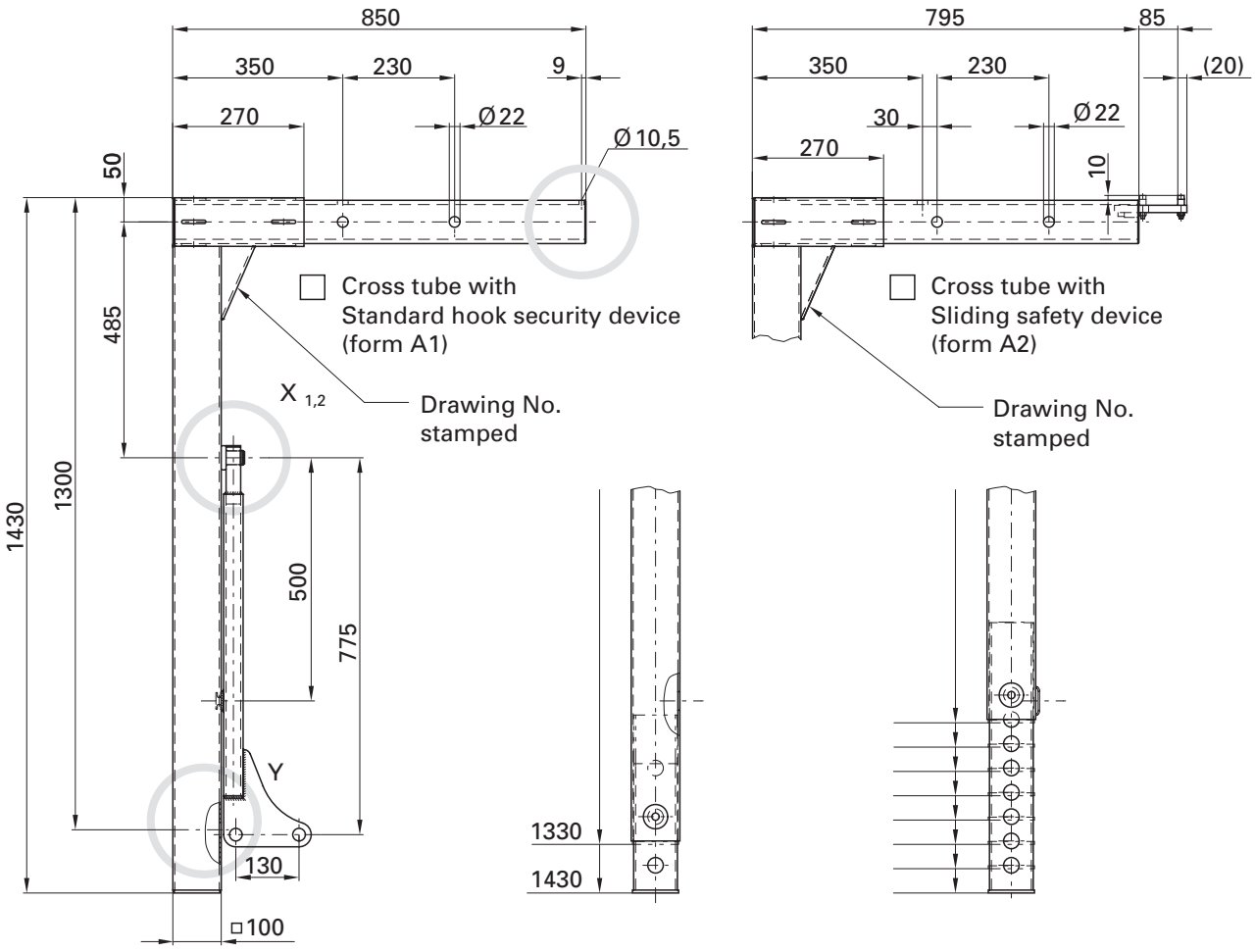
Spare parts

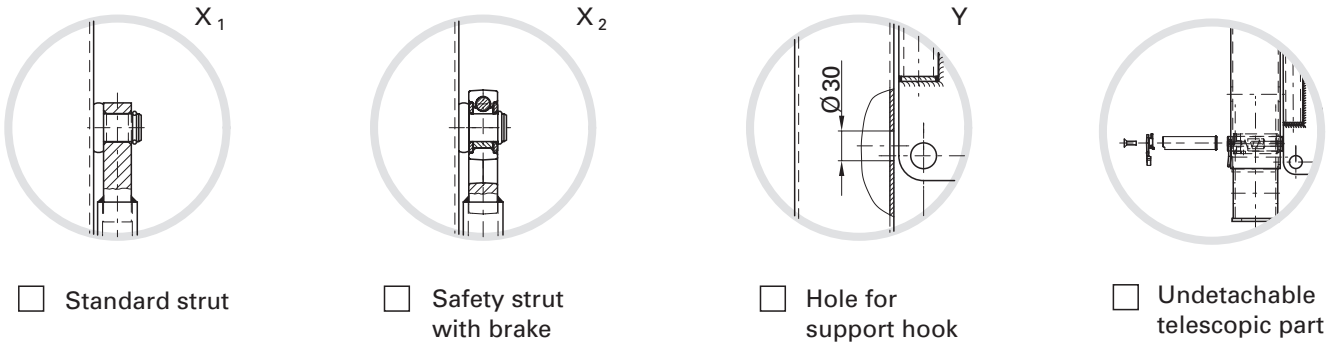


Item.	Description	RS 7100 SVS	RS 7100 SVB	RS 7100 TSVS	RS 7100 TSVB
1.1	Strut bolt	640.104.002	640.104.002	640.104.002	640.104.002
2	Locking ring	645.003.008	645.003.008	645.003.008	645.003.008
3.0	Strut compl. (RS 7080)	640.285.200	640.243.200	640.285.200	640.243.200
3.1	Clamping bush		640.159.002		640.159.002
3.2	Washer		000.006.013		000.006.013
3.3	Hexagon bolt M14x75		NT0026000		NT0026000
3.4	Hexagon bolt M14		000.002.012		000.002.012
3.5	Strut knob	640.004.007	640.004.007	640.004.007	640.004.007
3.6	Washer		640.159.003		640.159.003
4	Telescopic part		640.181.300	640.181.300	
5	Pin		640.076.007	640.076.007	
6	Linch pin		000.008.010	000.008.010	

Special versions: Supports to order

Support for swap bodies with a max. weight of up to 18.000 kg





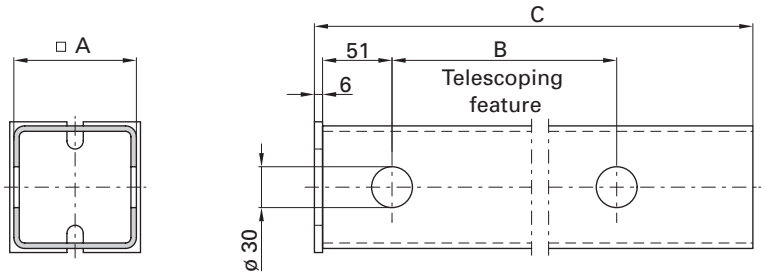
Type definition of a support for swap bodies with a max. weight of up to 18.000 kg

Procedure:

- Existing version: If you cannot find a stamped drawing number, measure the dimensions shown on the drawing and enter the dimensions on the form.
- New versions: If you cannot find a suitable standard support cross the required sections and enter your dimensions on the form.
- Send, fax or e-mail the form to JOST.

Telescopic part (standard)

For telescopic supports with bolt extension.

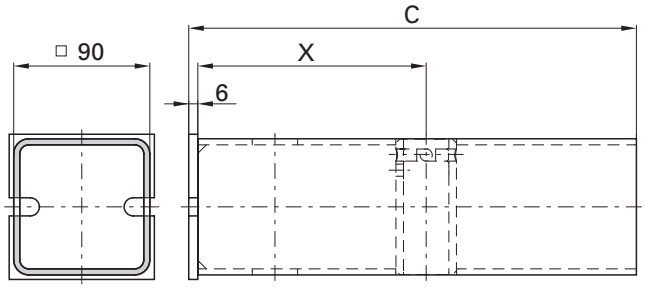


Selection table / Available versions

B (mm)	C (mm)	SS 86 (A 90 mm)	RS 7090 (A 80 mm)	RS 7080 (A 70 mm)	RS 7100 (A 60 mm)
1 x 100	236	640.277.000	640.075.006	640.076.006	640.181.300
2 x 100	406	640.192.000	640.520.300		
3 x 100	506	640.349.200	640.691.300	640.491.200	
4 x 100	606	640.286.300			
2 x 50	236	640.665.300	640.257.300	640.924.300	640.509.300
4 x 50	406	640.288.200	640.584.300		
5 x 50	456	640.282.200	641.034.300		
6 x 50	506	640.261.200	640.290.200		641.042.300
7 x 50	556	640.430.300			640.898.300
8 x 50	606	640.523.300			

Undetachable telescopic part

For telescopic supports with undetachable SS 86TSKK series telescope.

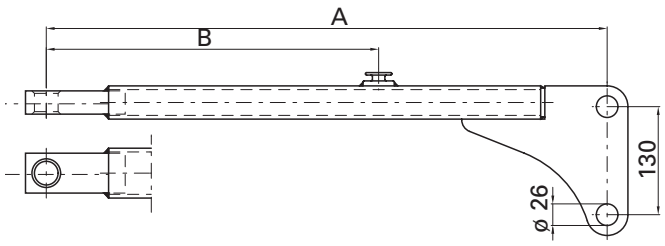


Selection table / Available versions

C (mm)	X (mm)	elescoping feature (mm)	Step length (mm)	Order No.
236	151	100	2 x 50	640.738.300
236	151	100	1 x 100	640.738.300
236	171	100	2 x 50*	640.787.300
236	171	100	1 x 100*	640.787.300
406	251	200	4 x 50	640.737.300
406	251	200	2 x 100	640.737.300
456	301	250	5 x 50	641.144.300
506	351	300	6 x 50	640.862.300
506	351	300	3 x 100	640.862.300
556	401	350	7 x 50	640.968.300
606	451	400	8 x 50	640.911.300
606	451	400	4 x 100	640.911.300

** (with hole for support hook)*

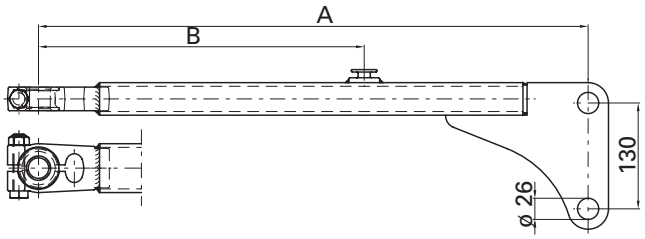
Standard strut



Selection table / Available versions

A (mm)	B (mm)	Order No.
560	450	641.262.200
600	500	640.285.200
600	400	641.446.200
630	500	640.295.200
645	500	640.409.300
650	500	640.210.200
700	500	640.374.200
775	450	640.308.200
775	500	640.247.000

Safety strut / Strut brake

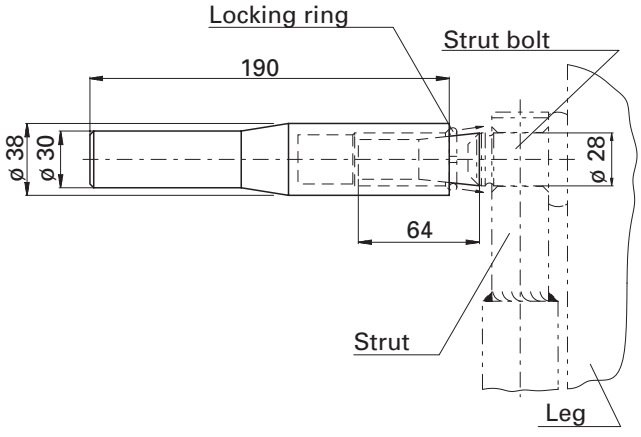


Selection table / Available versions

A (mm)	B (mm)	Order No.
600	500	640.243.200
650	500	640.257.200
775	450	640.286.200
775	500	640.248.000

Installation tool for locking rings

The installation tools are used to secure the struts on the strut pivot pins.



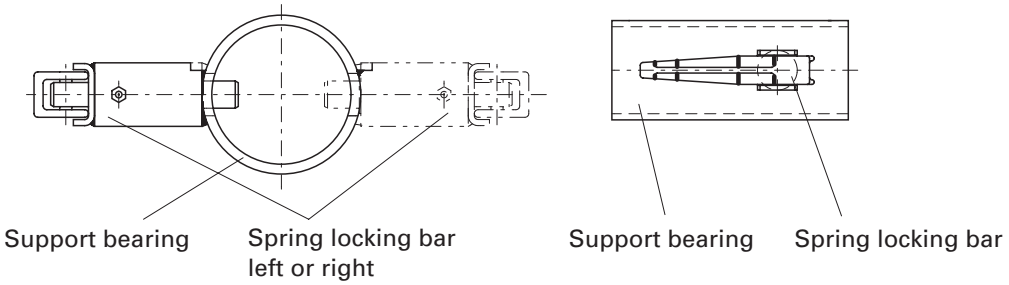
MW 28
for strut pivot pins

Selection table / Available versions

Application	Weight (kg)	Order No.
Strut pivot pins	1.2	640.000.001

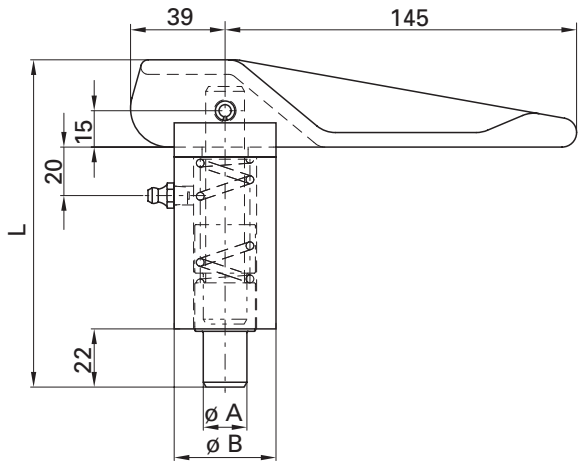
Support bearing and spring locking bar

The support bearing welded to the container is connected to the support tube for the support leg. The spring locking bar locks the support tube in the support bearing. When the spring locking bar is opened the support leg can be folded in or out.



The spring locking bar can be installed on the left or right.

Spring locking bar

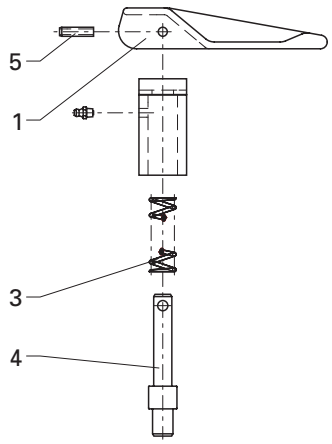


Condition at delivery spring locking bar: Housing raw
Bolt, spring and handle mounting parts galvanised

Selection table / Available versions

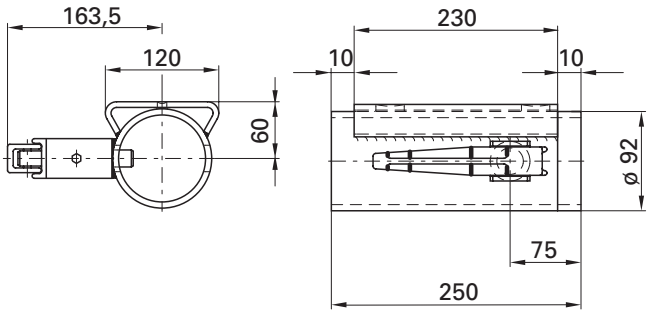
A (mm)	L (mm)	ø B (mm)	Weight (kg)	Version	Spring locking bar	Bolt
16	133	42	1.2	FS 97	640.216.000	645.216.016
18	133	42	1.2	FS 97	640.218.000	645.218.018
18	313	42	3.0	FS 97	640.995.200	645.995.201
20	133	42	1.2	FS 97	640.220.000	645.220.020
20	233	42	2.3	FS 97	641.150.000	645.150.001
20	298	42	2.8	FS 97	641.385.000	645.385.001
20	463	42	4.5	FS 97	641.297.000	645.297.001
25	133	42	1.2	FS 97	640.225.000	645.225.025
30	133	42	1.2	FS 97	640.230.000	645.230.030
32	133	50	1.5	FS 98	640.332.000	645.332.032
32	163	50	1.7	FS 98	641.120.000	645.120.001
35	133	50	1.5	FS 98	640.335.000	645.335.035
35	163	50	1.7	FS 98	642.165.000	645.165.001
42	133	50	1.5	FS 98	640.342.000	645.342.042

Spare parts

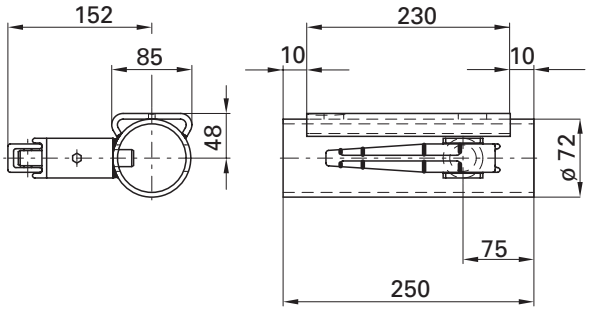


Item.	Description	Order No.
1	Handle	645.001.008
3	Spring	645.001.021
4	Bolt see above	
5	Clamping sleeve	000.003.009

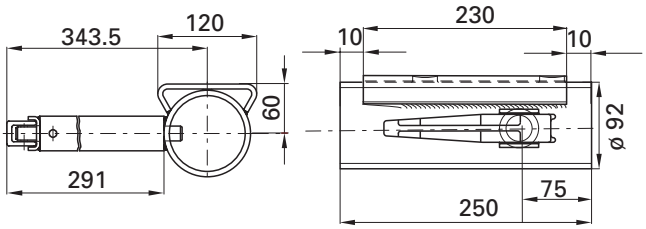
Support bearing



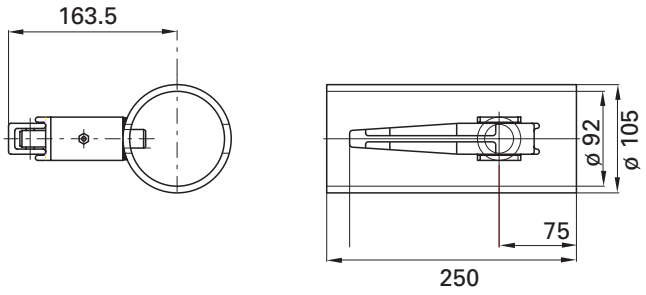
TS 93 SNL



TS 7350L



TS 93 SNL-11



TS 93 SN-01

Selection table / Available versions

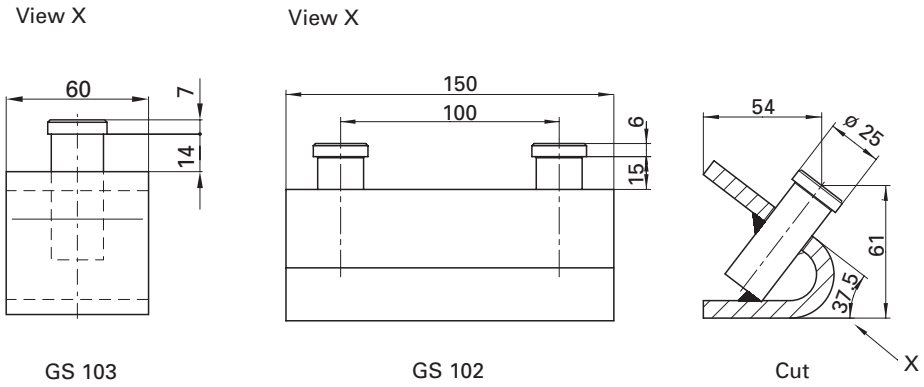
Application	Weight (kg)	Order No.	Drawing No.
RS 7090, SS 86, RS 1025	7.0	TS 93 SNR	640.116.010
RS 7090, SS 86, RS 1025	7.0	TS 93 SNL	640.116.020
RS 7090, SS 86, RS 1025	5.5	TS 93 SN-01	640.255.000
RS 7090, SS 86, RS 1025	9.0	TS 93 SNR-11	640.995.010
RS 7090, SS 86, RS 1025	9.0	TS 93 SNL-11	640.995.020
RS 7080, RS 7100	5.5	TS 7350 R	640.073.010
RS 7080, RS 7100	5.5	TS 7350 L	640.073.020
RS 1230	17.5	TS 120 FR*	640.039.010
RS 1230	17.5	TS 120 FL*	640.039.020

** more information on request*

Note: An L/R appended to the Order No. indicates whether the control side is on the right or left.

All support bearings have a bolt diameter of 18 mm.
All support bearings are delivered raw.

Outer bearing



Selection table / Available versions

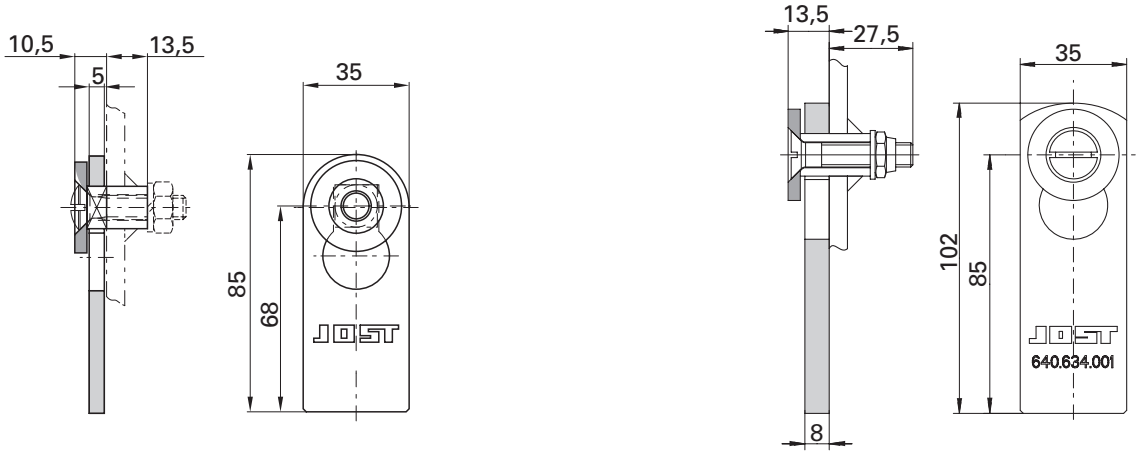
Order No.	Drawing No.	Weight (kg)
GS 102	640.001.099	1.0
GS 103	640.001.086	0.7
GS 103 V*	640.001.097	0.7

** for RS 1230; more information on request*

All counter bearings are delivered raw.

Second safety device

In addition to mounting in the support bearing or support hook, secures the support legs when they are not in use.



Selection table / Available versions

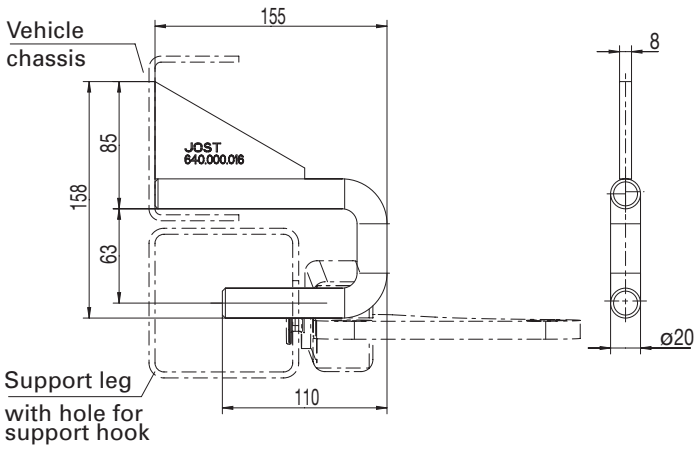
Version	Weight (kg)	Order No.	Drawing No.
with guide, without screw connection	0.12	ZS 7006	640.126.000
with guide, with screw connection	0.4	ZS 7009	640.885.000

Latch galvanised

Support hook and support bearing

The support hook and support bearing are welded to the swap body frame. They are used to mount the support legs when they are not in use. A hole with a diameter of 30 mm is required in the support leg for this purpose if the support hook is used.

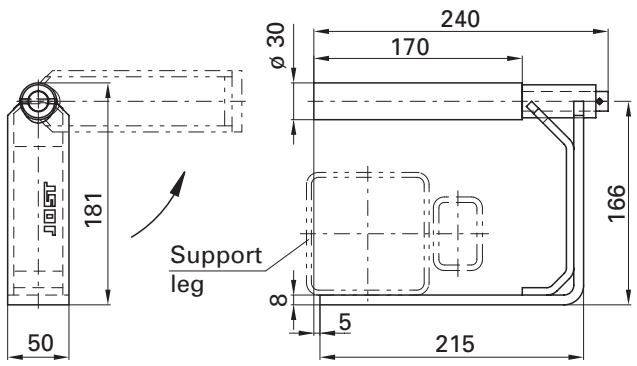
Support hook



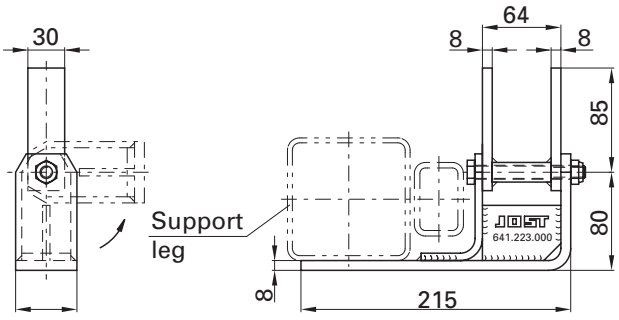
Selection table / Available versions

Weight (kg)	Drawing No.
0.9	640.000.016

Support bearing



SL550



SL 555

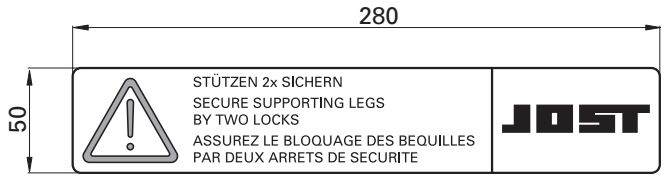
Selection table / Available versions

Weight (kg)	Order No.	Drawing No.
2.7	SL 550	640.771.000
1.8	SL 555	641.223.000

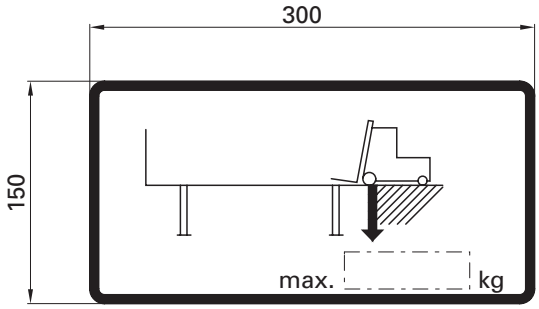
Support hooks and support bearings are delivered raw.

Information plates

Standard EN 284 demands that information plates be attached to class C swap bodies in the positions provided for them. The information plates are made of self-adhesive foil and are two-tone (black and yellow) on a white background.



Information plate: Secure support legs by two locks pursuant to EN 284



Information plate: Forklift axle load pursuant to EN 284

Selection table

Description	Order No.
Information plate: Secure support legs by two locks with EN 284	640.000.002
Information plate: Forklift axle load with EN 284	640.000.030

Corner castings

They are welded to the swap body or container. The corner castings are used to connect the container to the vehicle or trailer.

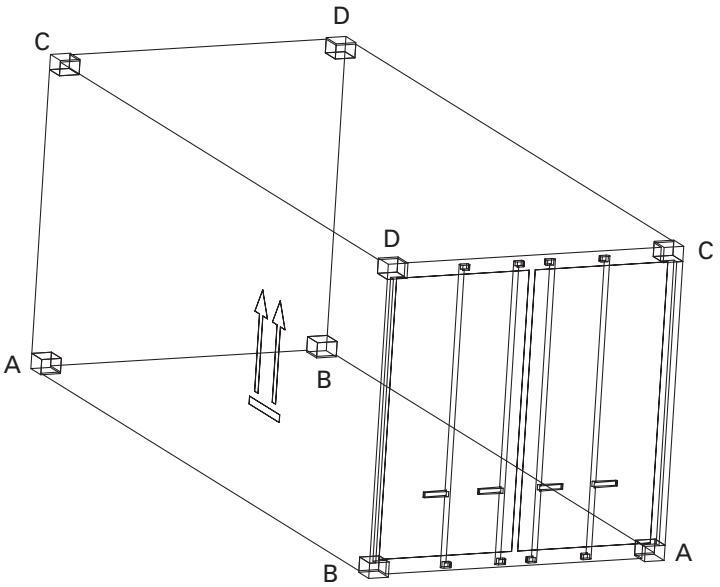
Product range

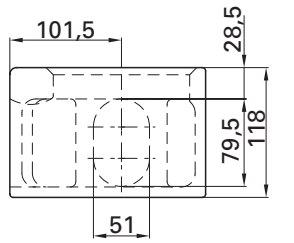
Freight container	Swap body B = 2500	Swap body B = 2550	Intermodal platform B = 2500	Intermodal platform B = 2550	Swap body EN 13853	Special construction	Double opening	Width x Height x Depth (mm)	Distance base plate – cable eyelet opening (mm)	S = sheet steel housing G = cast housing	Weight (kg)	Standard	certificate comparable with 3.2 in accordance with EN 10204	Order No.	Drawing No.	Figure see page …
•								178x118x162	28,5	G	11.0	ISO 1161	•	CC 297 TL	905.297.000	31
•								178x118x162	28,5	G	11.0		•	CC 298 TR	905.298.000	31
•								178x118x162	28,5	G	11.0		•	CC 299 BL	905.299.000	31
•								178x118x162	28,5	G	11.0		•	CC 300 BR	905.300.000	31
	•							180x112x188	20,0	G	9.5	~EN 284		CC 195	905.195.000	32
		•						180x117x220	28,5	G	10.9	EN 284		CC 463	905.463.101	32
		•						180x112x212	28,5	G	10.9			CC 712	905.712.101	32
		•					•	330x112x212	28,5	G	17.9			CC 709	905.709.101	32
				•				180x117x192	28,5	S	8.5	~EN 284		CW 7454	905.454.000	33
			•					180x112x172	20,0	G	8.2			CC 397	905.397.101	33
						•		130x 80x120	17,0	G	4.0			CC 012*	905.074.000	35
						•		180x 20x120		G	2.2			CC 320	640.001.055	35
					•			160x115x175	20,0	G	10.3	EN 13853		CC 556 TL 1	905.556.211	34
					•			160x115x175	20,0	G	10.3			CC 556 TR 1	905.556.221	34

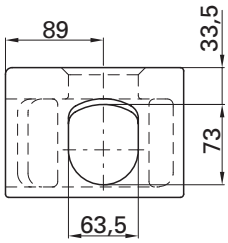
** Base opening does not conform to ISO. Can only be used with twist locks F 10 and VA 11.*
~ similar to EN 284
Special versions with other dimensions are available on request.

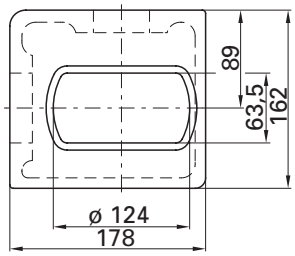
ISO corner castings are primed in grey, all other corner castings are delivered raw.

For freight containers that comply with ISO 1161

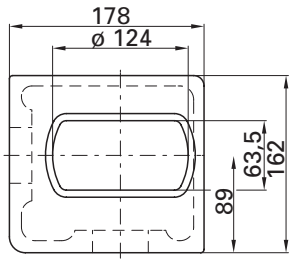


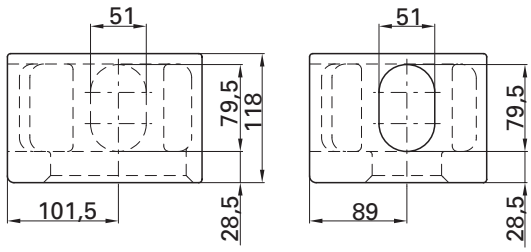






CC 297 TL





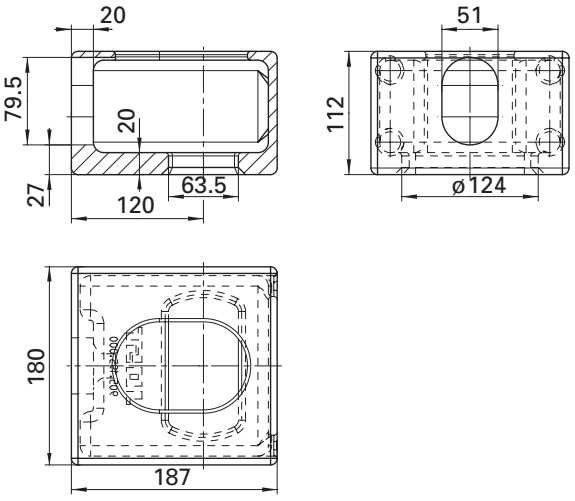
CC 299 BL

Use: Freight containers and similar bodies with acceptance test certificate comparable with 3.2 in accordance with EN 10204 (please specify requirement in the order).

Selection table / Available versions

Material	Standard	Item	Weight (kg)	Order No.	Drawing No.
Cast steel	ISO 1161	D	11.0	CC 297 TL	905.297.000
Cast steel	ISO 1161	C	11.0	CC 298 TR	905.298.000
Cast steel	ISO 1161	B	11.0	CC 299 BL	905.299.000
Cast steel	ISO 1161	A	11.0	CC 300 BR	905.300.000

For swap bodies with a vehicle width of 2500 mm

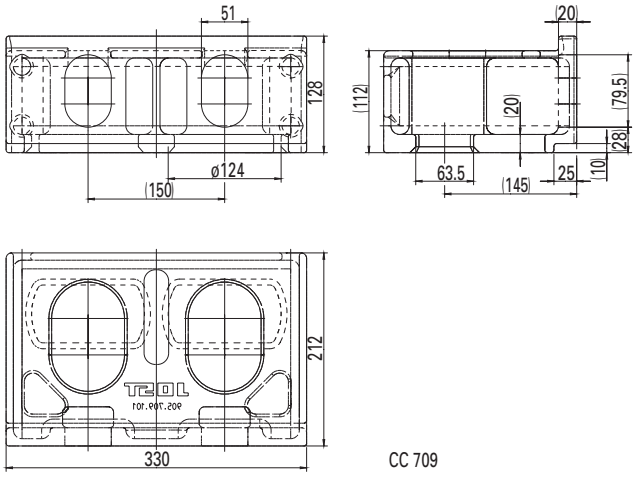


CC 195

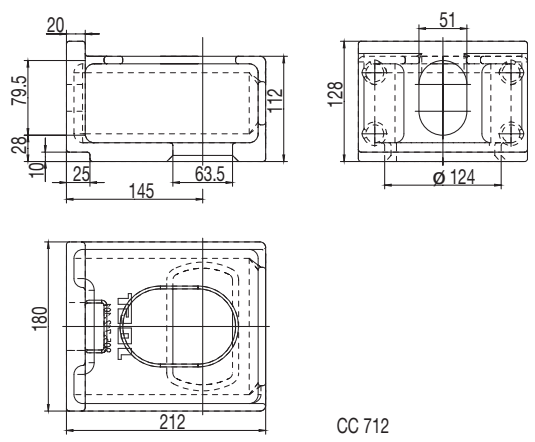
Selection table / Available versions

Material	Standard	Weight (kg)	Order No.	Drawing No.
Cast steel	~EN 284	9.5	CC 195	905.195.000

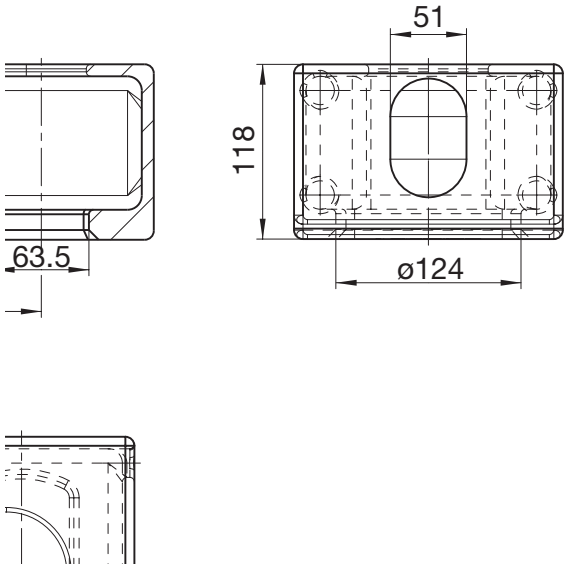
For swap bodies with a vehicle width of 2550 mm



CC 709



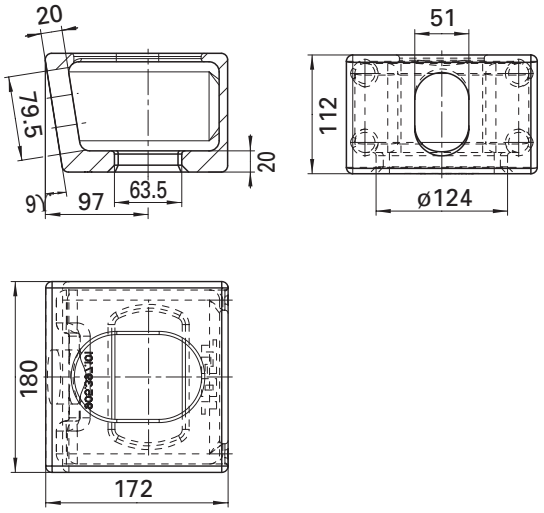
CC 712



Selection table / Available versions

Material	Standard	Weight (kg)	Order No.	Drawing No.
Cast steel	EN 284	10.9	CC 463	905.463.101
Cast steel	EN 284	10.9	CC 712	905.712.101
Cast steel	EN 284	17.9	CC 709	905.709.101

For intermodal platforms with a vehicle width of 2500 mm

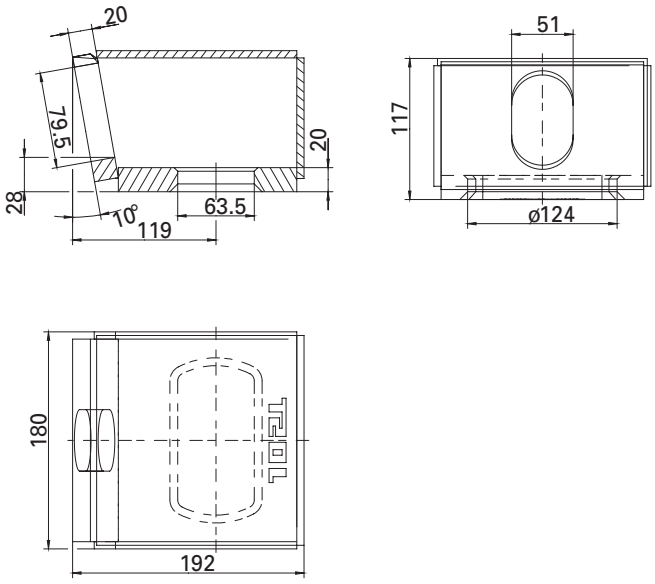


CC 397

Selection table / Available versions

Material	Standard	Weight (kg)	Order No.	Drawing No.
Cast steel	~EN 284	8.2	CC 397	905.397.101

For intermodal platforms with a vehicle width of 2550 mm

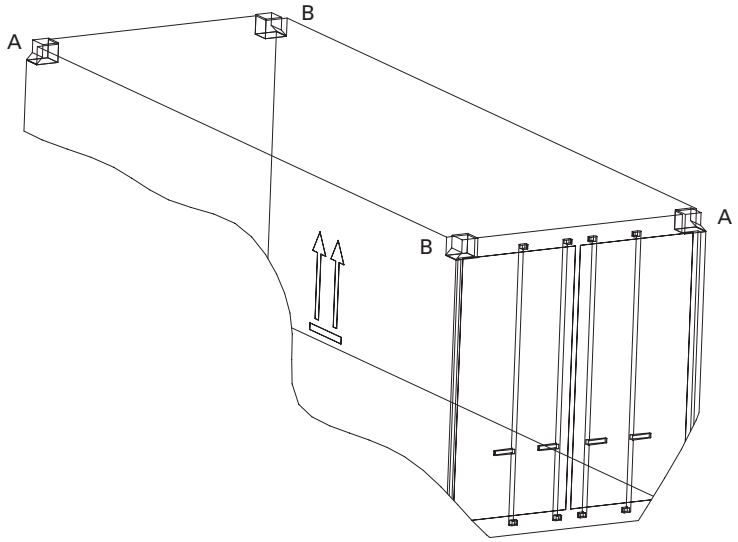


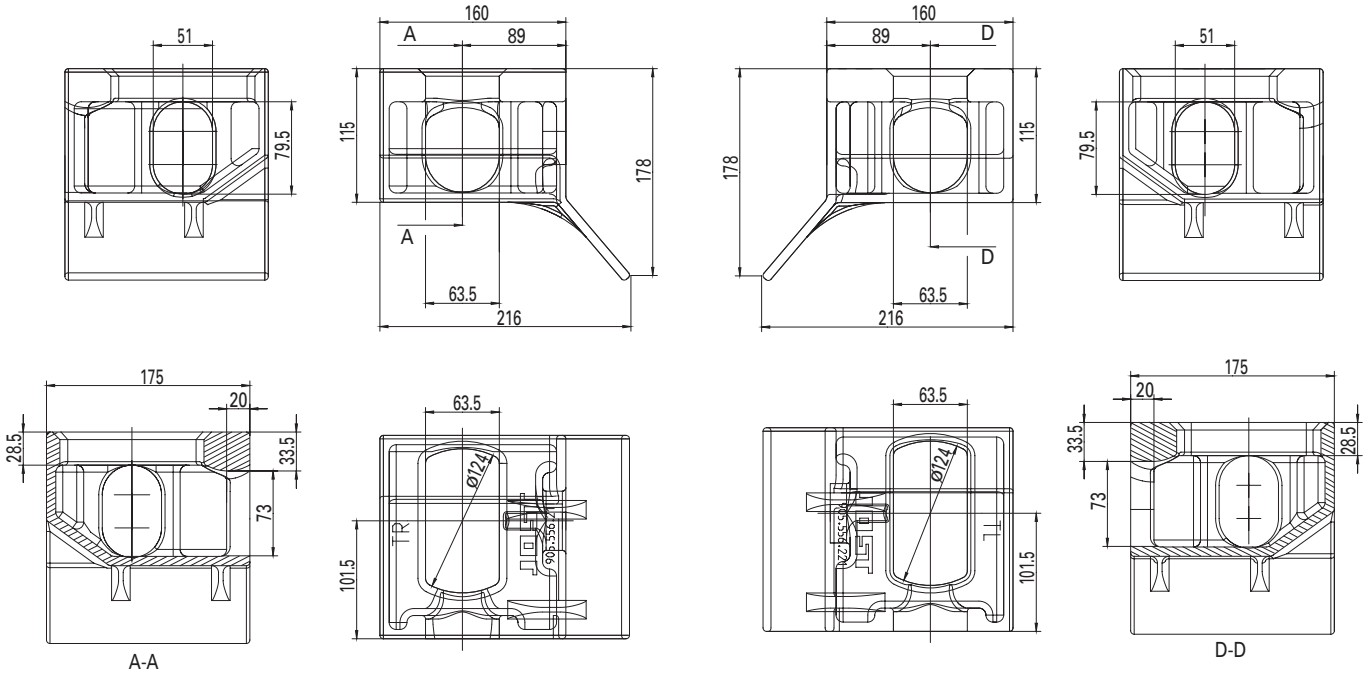
CW 7454

Selection table / Available versions

Material	Standard	Weight (kg)	Order No.	Drawing No.
Sheet steel casing	~EN 284	9.0	CW 7454	905.454.000

For stackable swap body conforming to EN 13853





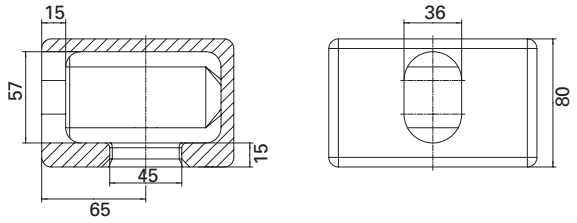
CC 556 TR 1

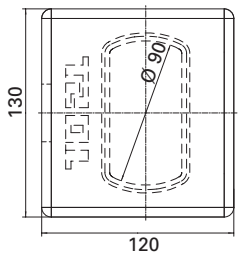
CC 556 TL 1

Selection table / Available versions

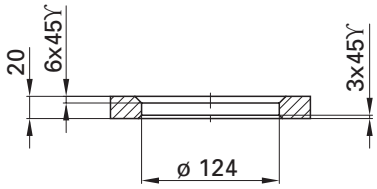
Material	Standard	Item	Weight (kg)	Order No.	Drawing No.
Cast steel	EN 13853	A	10.3	CC 556 TR1	905.556.211
Cast steel	EN 13853	B	10.3	CC 556 TL1	905.556.221

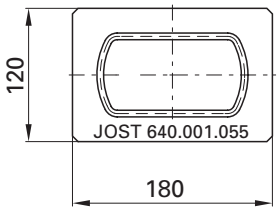
For special constructions





CC 012





CC 320

Use:

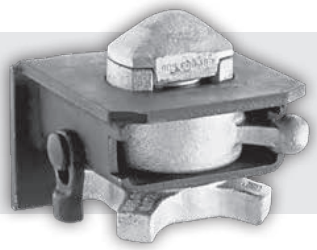
CC 012 - Container with a max. width of 2390 mm; only possible with twist locks F 10 SK and VA 11 SK

CC 320 - Special intermodal bodies and containers

Selection table / Available versions

Material	Weight (kg)	Order No.	Drawing No.
Cast steel	4.0	CC 012	905.074.000
Cast steel	2.2	CC 320	640.001.055

Twist locks



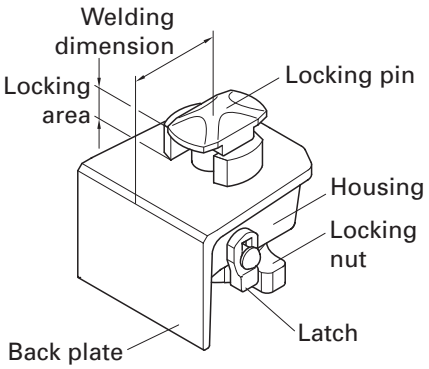
Flexibility, compatibility, stability and safety are the basic parameters for a future-oriented motor pool. JOST ensures that these parameters can be satisfied with its international quality standards and a global sales and after sales service network.

Twist locks connect containers to the carrier vehicle. The twist locks must always be used as set out in the instructions in the operating manual for the relevant vehicle. In Germany you must comply with the TÜV regulations and the Road Traffic Act StVZO, as well as the existing standards.

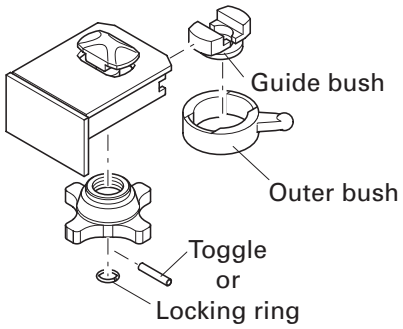
Twist locks

Condition at delivery twist locks
- The lock kit casings are primed.
- The innerparts of the twist locks are galvanised.
- Lock kits are delivered mounted.
- Possible differences are shown in the dimension sheet

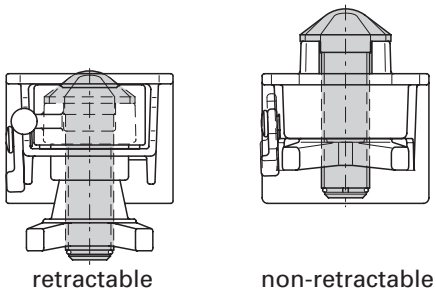
Versions and mounting parts twist locks
As a main distinguishing feature twist locks either can be lowered or cannot be lowered.



Structure of an twist lock



Individual parts of an twist lock



Retractable and a non-retractable twist lock

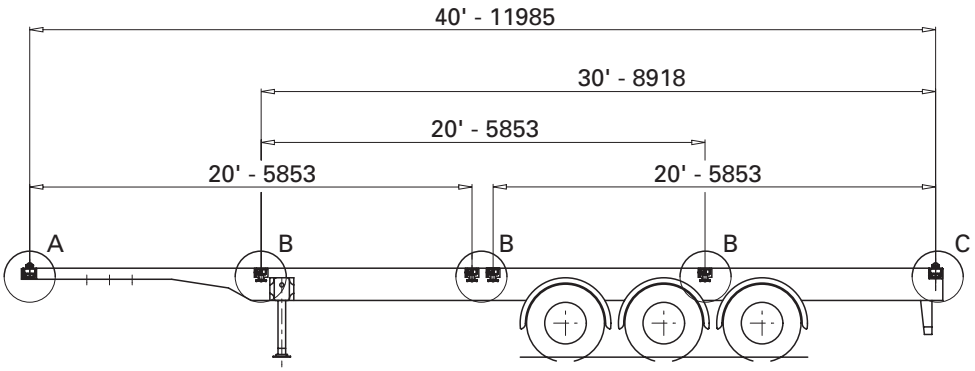
Load details for twist locks and bolsters

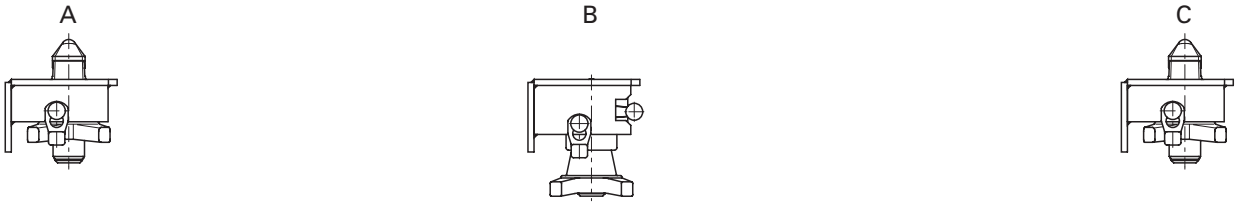
The basis for the load details is provided by static test bench tests that comply with the JOST testing standard.

The details for the maximum gross container weight only apply:
- For securing and transporting standard containers, such as freight containers that comply with ISO 1496, interchangeable containers that comply with EN 284 or EN 452 or directly comparable versions.
- If at least four twist locks of the same load group are used for each container.
- For almost uniform load distribution (load in the interchangeable container).
- For transport on metalled roads.

The details for the maximum gross container weight do not apply:
- To special applications, such as crane bodies, tipping containers, etc.

Twist locks on the standard container chassis





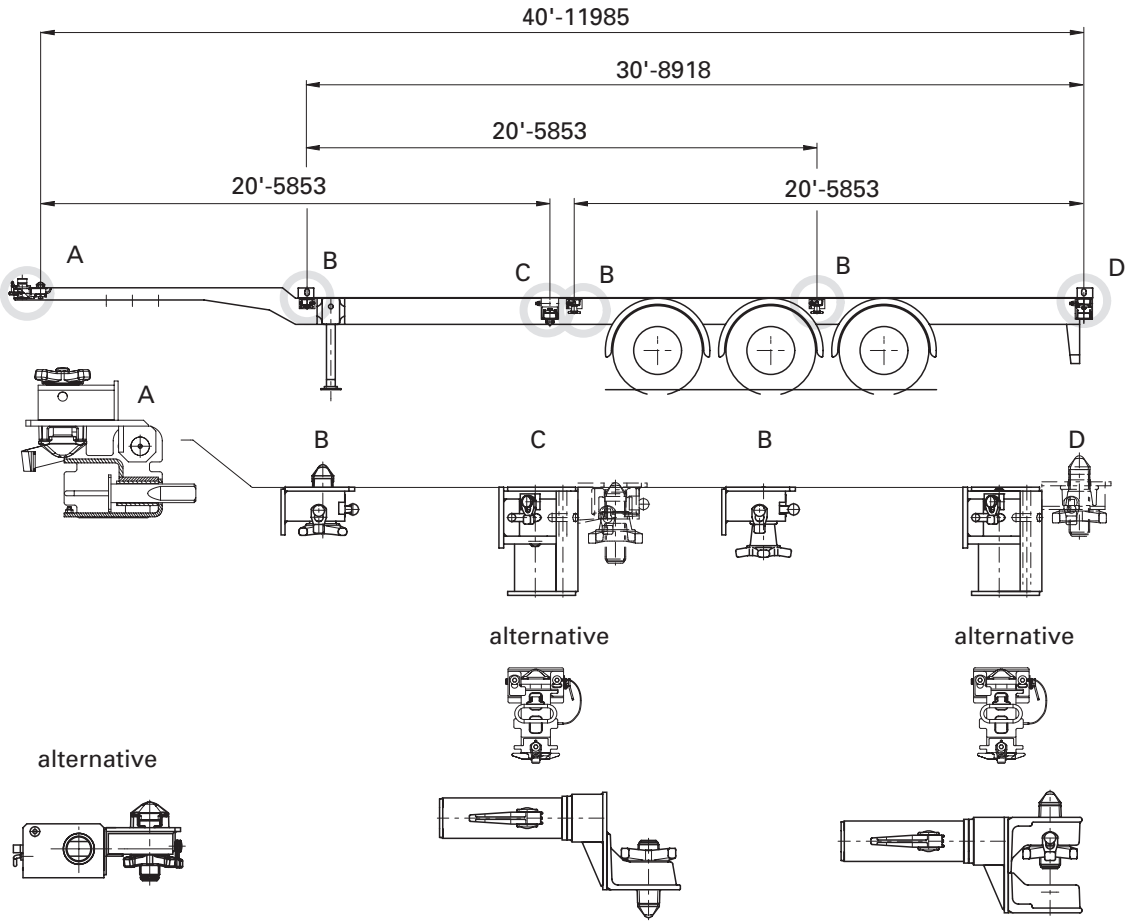
Installation examples for standard container chassis

Selection table / recommended versions

Item	Versions	Order No.	Page
A / C	non retractable	F 02 SK-R	45
	twist locks	R 402 F-R	46
		R 434 F	50
A		F 17 SKA-70 V*	52
		R 408 F*	51
B	retractable	VA 01 SK	55
	twist locks	R 401 VAK	54
		R 436 VAK	61
		R 406 VAK-C*	57

** for adverse installation conditions*

Twist locks on the gooseneck chassis



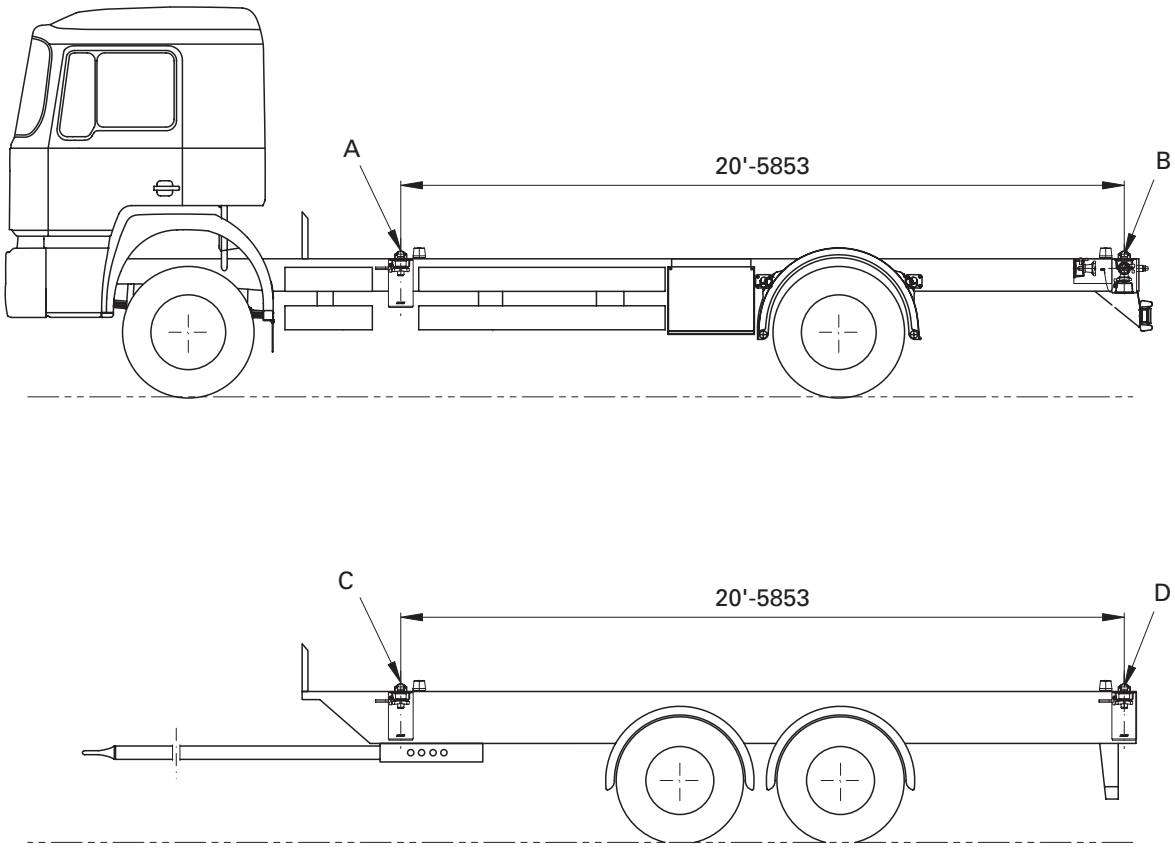
Installation examples for gooseneck chassis

Selection table / available versions

Item	Versions	Order No.	Page
A	Pivoting front twist lock, standard	FB 88-14 V	69
	Pivoting front twist lock, low design	FB 89-06 VAV	71
		FB 90 F	72
	Compl. bolsters for 45' gooseneck chassis	QT FB2004V	97
B	Retractable twist lock, heavy design	R 401 VAK	54
		VA 01 SK	55
	Retractable twist lock, standard design	R 436 VAK	61
		VA 36 SK	62
	Retractable twist lock, low design	R 406 VAKV-C	57
C	Vertical height adjustment with retractable twist lock	R 301HVCLZ120	77
		R 301HVCRZ120	77
	Non-pluggable, weight-optimised	HV 120 V	74
	Rotatable	F 02 EINZ.002	75
D	Vertical height adjustment with retractable twist lock	R 302HVCLZ120	77
		R 302HVCRZ120	77
	Non-pluggable, weight-optimised	HV 120 V	74
	Rotatable	FD 02 DOPP02	76

In positions C + D (sometimes pos. B), the casing 905.000.216 (FD 02 SK-R) can be used in connection with internal parts kit 915.000.165 and adapter kit 917.437.500, as an alternative to the table above.

Intermodal vehicle / trailer



Installation examples for Intermodal vehicle / trailer

Selection table / available versions

	A	B	C	D
Order No. twist locks / bolsters				**Page**
QT 160-80 RV				92
R 405 VAK				57
R 406 VAK				57

"Standard"-intermodal vehicle / trailer

Selection table / available versions

	A	B	C	D	
Model					**Order No.**	**Page**
Vertical height adjustment with retractable twist lock					R 306 HVCL120 / R 306 HVCR120	77
					R 306 HVCL200 / R 306 HVCR200	77
Vertical height adjustment with retractable twist lock, fvz, screw-on					R 305 HVCLZ120 / R 305 HVCRZ120	77
					R 305 HVCLZ200 / R 305 HVCRZ200	77
Rotatable, 90°					R 316 ZWEI 07 R/L	79
180°, compl. bolsters, profil 160x80					QT HV 200	96
Rotatable, 90°, compl. bolsters, profil 200x120					QT HV 120-05	94
					QT HV 150-05	94
					QT HV 200-05	94

„Jumbo" intermodal vehicle/trailer

Product range of non-retractable twist locks

rec. gross container weight* max. (kg)	Export version (cannot be screwed down)	Container chassis	Intermodal vehicle	Intermodal vehicle	S = sheet steel housing G = cast housing	Locking pin (mm)	Welding dimension (mm)	Back plate (mm)	Weight (kg)	Order No.	Drawing No.	Figure see page …
34.000		•			G	ø 52	105	180x120	14.3	FD 02 SK-RV	905.165.000	44
		•			G	ø 52	105	180x140	13.0	F 02 SK-R	905.162.000	45
		•			S	ø 52	105	180x125	13.9	R 402 F-R	905.282.000	46
		•			S	ø 52	95		12.1	R 302 F-R	905.281.000	46
30.500		•			S	ø 38	80	180x125	10.3	R 414 F	905.234.000	49
		•			S	ø 38	72		9.0	R 314 F	905.199.000	49
		•			S	ø 38	105	180x125	11.5	R 434 F	905.347.000	50
		•			S	ø 38	95		9.8	R 334 F	905.354.000	50
		•			S	ø 52	105	180x125	12.2	R 408 F	905.717.000	51
		•			S	ø 52	95		10.5	R 308 F	905.716.000	51
		•		•	G	ø 38	80	140x70	7.6	F 17 SKA-70 V	905.137.000	52
Special applications												
34.000		•	•		S	ø 52	105	180x125	13.9	R 402 FQ-R	905.387.000	48
			•		S	ø 52	105	207x135	18.3	R 403 FR	905.706.010	47
			•		S	ø 52	105	207x135	18.3	R 403 FL	905.706.020	47
10.000				•	G	ø 38	80	150x85	7.0	F 10 SK-RV**	905.188.000	53

Information for the vehicle construction

** Please note the information on page 36.*

*** The locking pin of type F 10 SK-RV is not compatible with the base opening of corner castings in accordance with ISO 1161. This type can only be used with CC 012 corner castings.*

All spare parts with item number 915.xxx.xxx are zinc-plated.

Replacement lock kit parts, see page 80.

operating keys, see page 85.

Indications for mounting of the locking ring:

- *For the installation of the locking ring an appopriate tool has to be used.*
- *Intallation tool locking ring, please see page 85.*
- *The locking ring has principally to be replaced after dismantling the inner part of the twist lock.*

Product range of retractable twist locks

rec. gross container weight* max. (kg)	Export version (cannot be screwed down)	Containerchassis	Intermodal vehicle / trailer	Platform	S = sheet steel housing G = cast housing	Locking pin (mm)	Welding dimension (mm)	Back plate (mm)	Weight (kg)	Order No.	Drawing No.	Figure see page ...
34.000		•			S	ø 52	105	180x125	16.4	R 401 VAK	905.294.000	54
		•			S	ø 52	95	–	14.7	R 301 VA	905.222.000	54
		•			G	ø 52	105	180x140	16.2	VA 01 SK	905.207.000	55
30.500				•	S	ø 38	155		15.7	R 316 VAP	905.202.000	56
25.400			•		S	ø 52	105	180x125	12.2	R 405 VAK	905.319.000	57
			•		S	ø 52	95	–	10.5	R 305 VA	905.273.000	57
			•		S	ø 38	105	180x125	11.6	R 406 VAK	905.317.000	57
		(•)			S	ø 38	105	180x125	11.8	R 406 VAK-C	905.561.000	57
			•		S	ø 38	95	–	9.8	R 306 VA	905.315.000	57
			•		S	ø 52	105	180x 70	10.8	R 405 VAN	905.400.000	58
			•		S	ø 52	95	–	9.8	R 305 VAN	905.413.000	58
				•	S	ø 52	155	–	14.0	R 305 VAP	905.295.000	59
		(•)	•		S	ø 38	80	180x125	10.5	R 416 VAK	905.248.000	60
		(•)	•		S	ø 38	72	–	9.2	R 316 VA	905.198.000	60
		(•)	•		S	ø 38	105	180x125	11.7	R 436 VAK	905.346.000	61
		(•)	•		S	ø 38	95	–	10.0	R 336 VA	905.353.000	61
		(•)	•	•	S	ø 38	105	180x130	12.9	R 1018 VAR	905.429.010	63
		(•)	•	•	S	ø 38	105	180x130	12.9	R 1018 VAL	905.429.020	63
			•		S	ø 38	105	330x125	25.2	R 1018 VA-2	905.614.000	63
		(•)	•		G	ø 38	105	180x125	11.7	VA 36 SK	905.691.000	62
	•	(•)			G	ø 38	60	150x140	7.9	QA 37 NS	905.674.000	65
	•	(•)			G	ø 38	60	150x140	8.5	QA 37 NS-1	905.667.000	65
	•	(•)			G	ø 38	80	150x110	8.4	QA 38 NS	905.675.000	66
	•	(•)			G	ø 38	80	150x110	9.0	QA 38 NS-1	905.676.000	66
		(•)			G	ø 38	125	185x90	13.1	TL 2009 R-G	905.926.010	64
		(•)			G	ø 38	125	185x90	13.1	TL 2009 L-G	905.926.020	64
10.000			•		G	ø 38	105	150x 95	8.6	VA 11 SK**	905.189.000	67

Information for the vehicle construction
(•) only in centre position
** Please note the information on page 36.*
*** The locking pin of type VA 11 SK is not compatible with the base opening of corner castings in accordance with ISO 1161.*
This type can only be used with the CC 012 corner casting.
All spare parts with item number 915.xxx.xxx are zinc-plated.
Replacement lock kit parts, see page 80.
Operating keys, see page 85.

Indications for mounting of the locking ring:
- *For the installation of the locking ring an appopriate tool has to be used.*
- *Intallation tool locking ring, please see page 85.*
- *The locking ring has principally to be replaced after dismantling the inner part of the twist lock.*

Product range of Front locks

rec. gross container weight* max. (kg)	Export version (cannot be screwed down)	Container chassis	Intermodal vehicle / trailer	S = sheet steel housing G = cast housing	Locking pin (mm)	Welding dimension (mm)	Back plate (mm)	Weight (kg)	Order No..	Drawing No.	Figure see page ...
34.000		•		G				5.8	FB 55 HLR	905.206.010	68
		•		G				5.8	FB 55 HLL	905.206.020	68
		•		S	ø 38			30.1	FB 88-14 V	905.661.000	69
		•		S	ø 38			30.9	FB 89-06 VAV	905.641.000	71
		•		S	ø 52			29.6	FB 90 F	905.714.000	72
		•		G	ø 38			17.3	FB 91 NS	905.722.000	73

Information for the vehicle construction
** Please note the information on page 36.*
All spare parts with item number 915.xxx.xxx are zinc-plated.
Replacement lock kit parts, see page 80.
Operating keys, see page 85.

Indications for mounting of the locking ring:
- *For the installation of the locking ring an appopriate tool has to be used.*
- *Intallation tool locking ring, please see page 85.*
- *The locking ring has principally to be replaced after dismantling the inner part of the twist lock.*

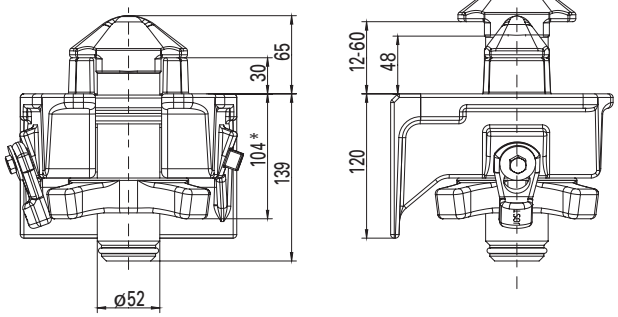
Product range of height adjustments

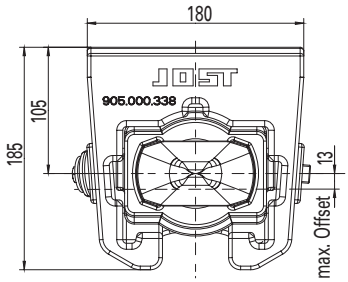
rec. gross container weight* max. (kg)	Container chassis	Intermodal Chassis EN 452	Intermodal vehicle / trailer EN 284	Twist lock retractable (mm)	with twist lock	without twist lock	Weight (kg)	Order No. (mm)	Drawing No.	Figure see page …
34.000	x			120	x		24.2	HV 120V	905.670.000	74
	x			120	x		34.4	F 02 EINZ.002	905.438.100	75
		x		160	x		35.4	F 02 EINZ.	905.172.100	75
	x			120	x		42.2	FD 02 DOPP02	905.438.000	76
		x		160	x		43.2	FD 02 DOPP.	905.172.000	76
	x			120	x		49.0	R 301HVCRZ120	905.579.010	77
	x			120	x		49.0	R 301HVCLZ120	905.579.020	77
	x			120	x		46.5	R 302HVCRZ120	905.580.010	77
	x			120	x		46.5	R 302HVCLZ120	905.580.020	77
18.000			x	100	x		35.6	R 306HVCR100	905.704.010	77
			x	100	x		35.6	R 306HVCL100	905.704.020	77
			x	120	x		37.7	R 306HVCR120	905.703.010	77
			x	120	x		37.7	R 306HVCL120	905.703.020	77
			x	160	x		39.9	R 306HVCR160	905.702.010	77
			x	160	x		39.9	R 306HVCL160	905.702.020	77
			x	200	x		41.4	R 306HVCR200	905.702.010	77
			x	200	x		41.4	R 306HVCL200	905.702.020	77
			x	250	x		43.4	R 306HVCR250	905.702.010	77
			x	250	x		43.4	R 306HVCL250	905.702.020	77
			x	120/220/335		x	38.0	HVC-001 R	905.508.010	77
			x	120/220/335		x	38.0	HVC-001 L	905.508.020	77
			x	120/240		x	33.2	HVC-002 R	905.590.010	77
			x	120/240		x	33.2	HVC-002 L	905.590.020	77
			x	120	x		48.9	R 305HVCRZ120	905.639.010	78
			x	120	x		48.9	R 305HVCLZ120	905.639.020	78
			x	160	x		49.7	R 305HVCRZ160	905.648.010	78
			x	160	x		49.7	R 305HVCLZ160	905.648.020	78
			x	200	x		51.2	R 305HVCRZ200	905.648.010	78
			x	200	x		51.2	R 305HVCLZ200	905.648.020	78
			x	120	x		60.9	R 305HVCRZ12D	905.720.010	78
			x	120	x		60.9	R 305HVCLZ12D	905.720.020	78
			x	160	x		63.1	R 305HVCRZ16D	905.725.010	78
			x	160	x		63.1	R 305HVCLZ16D	905.725.020	78
			x	200	x		64.6	R 305HVCRZ20D	905.725.010	78
			x	200	x		64.6	R 305HVCLZ20D	905.725.020	78
			x	120	x		61.2	R 305HVCRZ12LD	905.720.012	78
			x	120	x		61.2	R 305HVCLZ12RD	905.720.021	78
			x	160	x		63.4	R 305HVCRZ16LD	905.725.012	78
			x	160	x		63.4	R 305HVCLZ16RD	905.725.021	78
			x	200	x		65.0	R 305HVCRZ20LD	905.725.012	78
			x	200	x		65.0	R 305HVCLZ20RD	905.725.021	78
			x	200	x		42.9	R 316 ZWEI07R	905.607.010	79
			x	200	x		42.9	R 316 ZWEI07L	905.607.020	79
			x	250	x		44.2	R 316 ZWEI08R	905.607.010	79
			x	250	x		44.2	R 316 ZWEI08L	905.607.020	79
			x	300	x		45.4	R 316 ZWEI06R	905.607.010	79
			x	300	x		45.4	R 316 ZWEI06L	905.607.020	79

Information for the vehicle construction
** Please note the information on page 36.*
Appropriate central support for vertical load transmission of the gross container weight has to be assembled on the vehicle side.
All spare parts with item number 915.xxx.xxx are zinc-plated.
Replacement lock kit parts, see page 80.
Operating keys, see page 85.

Indications for mounting of the locking ring:
- *For the installation of the locking ring an appopriate tool has to be used.*
- *Intallation tool locking ring, please see page 85.*
- *The locking ring has principally to be replaced after dismantling the inner part of the twist lock.*

FD 02 SK-RV



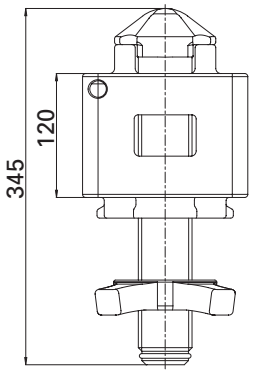


Application: Container chassis
rec. gross container weight: max. 34,000 kg
Locking pin: ø 52 mm [ISO]
can be screwed down, non-retractable
Housing raw, mounting parts galvanised
Internal parts can be completely removed
Screwable latch can be mounted on the right or left side, as desired

** Locking nut loose 133*

Selection table / available versions

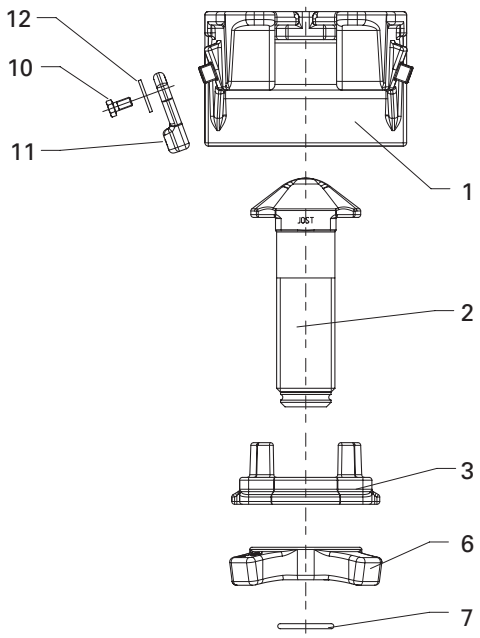
Weight (kg)	Order No.	Drawing No.
14.3	FD 02 SK-RV	905.165.000



Adapter kit HV 120 mm
Allows a level adjustment of 120 mm if exchanged for the interior parts kit 915.165.500.
Use: Gooseneck chassis
Hot-dip galvanised housing, mounting parts galvanised

Weight (kg)	Order No.	Drawing No.
15.2	917.437.500	905.437.500

Spare parts

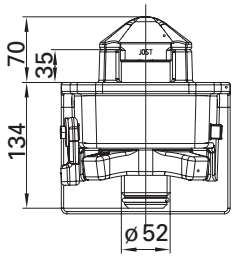


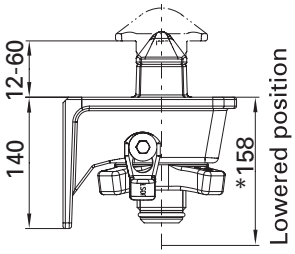
Item	Description		Order No.
1	Housing	incl. Item 10-12	914.000.216
2	Locking pin		915.000.213
3	Guide bush		915.000.217
6	Locking nut		915.000.088
7	Locking ring		915.000.187

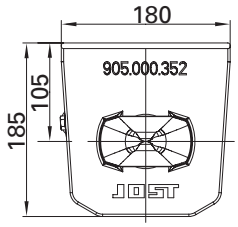
Spare parts kit

Item	Description	Order No.
10, 11, 12	Latch kit	905.159.500
2, 3, 6, 7	Interior parts kit	915.165.500

F 02 SK-R







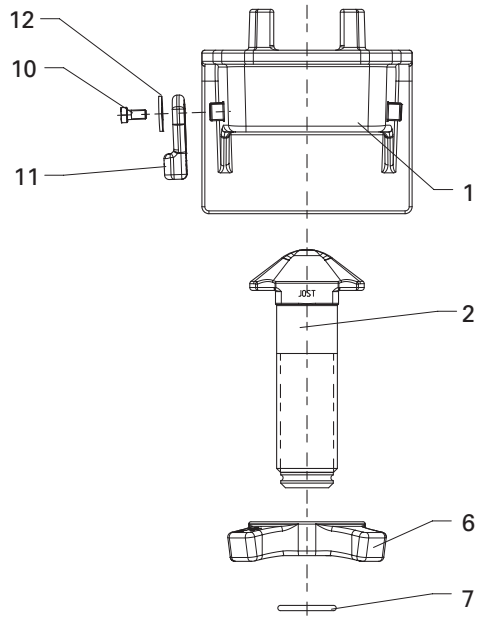
Application: Container chassis
rec. gross container weight: max. 34.000 kg
Locking pin: ø 52 mm [ISO]
can be screwed down, non-retractable
Screwable latch can be mounted on the right or left side,
as desired alternative version with welded sheet steel housing:
R 402 F / R 302 F
F 02 SK-R, completely primed
F 02 SK-RV, housing raw

** Locking nut loose 129*

Selection table / available versions

Weight (kg)	Condition at delivery	Order No.	Drawing No.
13.0	mounted	F 02 SK-R	905.162.000
13.0	unmounted	F 02 SK-RV	

Spare parts

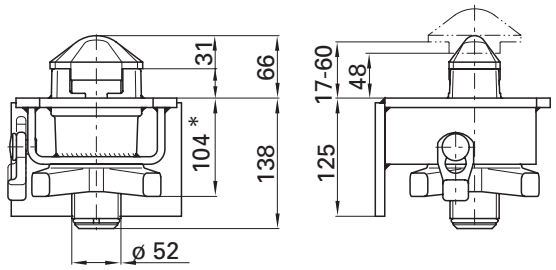


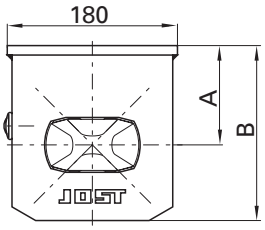
Item	Description		Order No.
1	Housing	incl. Item 10-12	914.000.207
2	Locking pin		915.000.213
6	Locking nut		915.000.088
7	Locking ring		915.000.187

Spare parts kit

Item	Description		Order No.
10, 11, 12	Latch kit	905.159.500	905.159.500

R 402 F-R / R 302 F-R





R 402 F-R

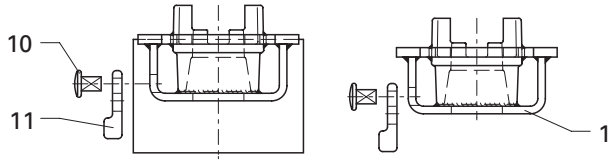
Application: Container chassis
rec. gross container weight: max. 34.000 kg
Locking pin: ø 52 mm [ISO]
can be screwed down, non-retractable
alternative version with cast housing: F 02 SK-R

** Locking nut loose 132*

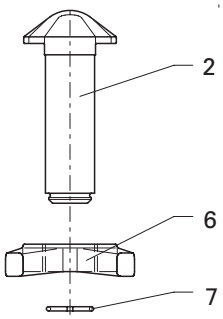
Selection table / available versions

Versions	A (mm)	B (mm)	Weight (kg)	Condition at delivery	Order No.	Drawing No.
with back plate	105	185	13.9	mounted	R 402 F-R	905.282.000
with back plate	105	185	13.9	unmounted	R 402 F-RV	
without back plate	95	175	12.1	mounted	R 302 F-R	905.281.000

Spare parts

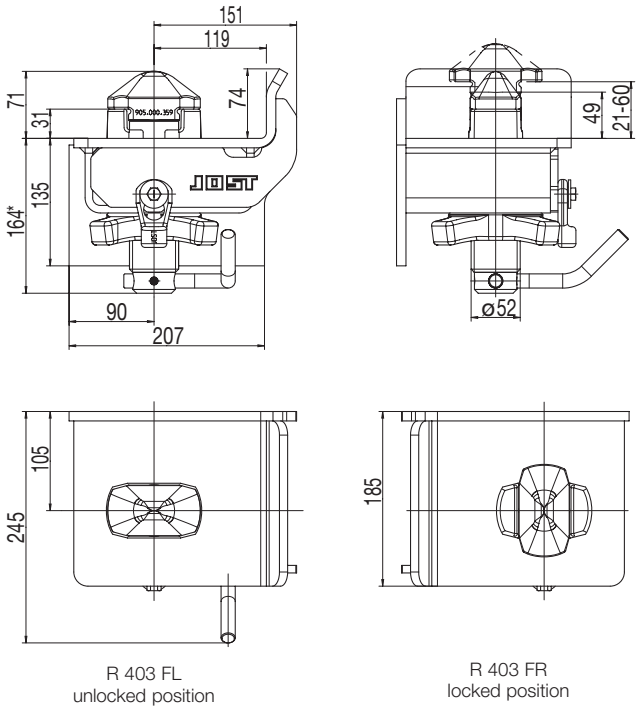


R 402 F-R R 302 F-R



Item	Description		R 402 F-R	R 302 F-R
1	Housing	incl. Item 10+11	905.233.100	905.215.100
2	Locking pin		915.000.213	915.000.213
6	Locking nut		915.000.088	915.000.088
7	Locking ring		915.000.187	915.000.187
10	Pin		905.159.002	905.159.002
11	Latch		915.159.001	915.159.001

R 403 FR / R 403 FL



R 403 FL
unlocked position

R 403 FR
locked position

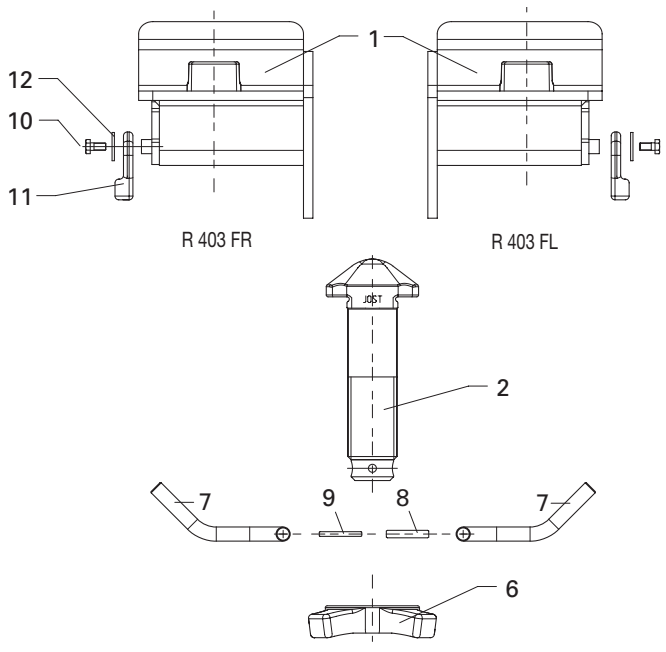
Application: Container chassis
rec. gross container weight: max. 34.000 kg
Locking pin: ø 52 mm [ISO]
can be screwed down, non-retractable

** Locking pin in locked position 174*

Selection table / available versions

Versions	Surface housing	Condition at delivery	Weight (kg)	Order No.	Drawing No.
left	primed	mounted	18.3	R 403 FL	905.706.020
left	primed	unmounted	18.3	R 403 FLV	905.706.020
left	raw	unmounted	18.3	R 403 FLVX	905.706.020
right	primed	mounted	18.3	R 403 FR	905.706.010
right	primed	unmounted	18.3	R 403 FRV	905.706.010
right	raw	unmounted	18.3	R 403 FRVX	905.706.010

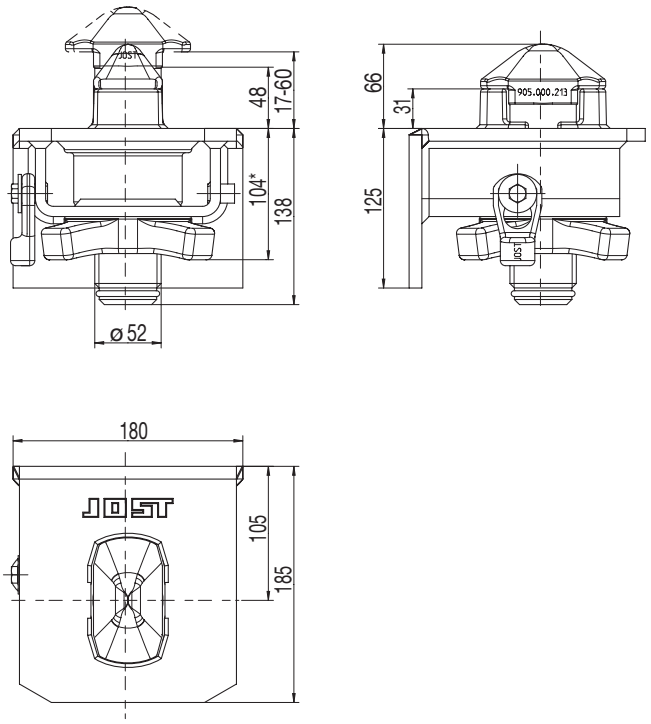
Spare parts



R 403 FR R 403 FL

Item	Description	R 403 FL	R 403 FR
1	Housing	905.706.120	905.706.110
2	Locking pin	915.000.359	915.000.359
6	Locking nut	915.000.088	915.000.088
10, 11, 12	Latch kit	905.159.500	905.159.500
7	Lever	915.706.021	905.706.011
8	Clamping pin 8x45	NT 0049300	NT 0049300
9	Clamping pin 5x45	NT 0049400	NT 0049400

R 402 FQ-R



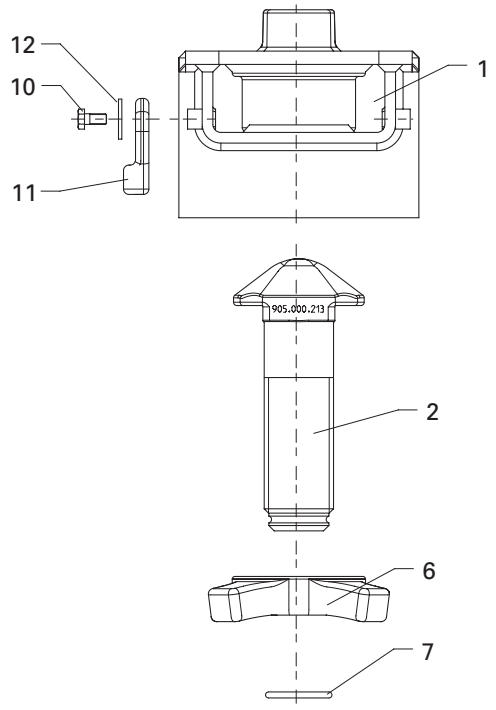
Application: Container chassis / Pitched chassis in frontal position Inner twist lock parts turned 90° For lateral welding to a support or tilt frame
rec. gross container weight: max. 34.000 kg
Locking pin: ø 52 mm [ISO]
can be screwed down, non-retractable

** Locking nut loose 132*

Selection table / available versions

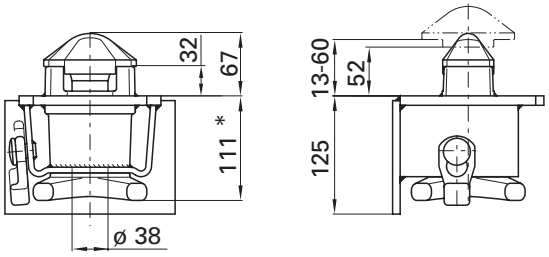
Weight (kg)	Surface housing	Condition at delivery	Order No.	Drawing No.
13.9	primed	unmounted	R 402 FQ-RV	905.387.000
13.9	raw	unmounted	R 402 FQ-RVX	905.387.000

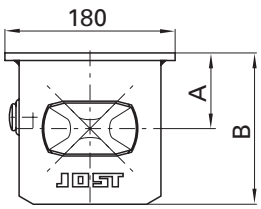
Spare parts



Item	Description	Order No.
1	Housing	905.387.100
2	Locking pin	915.000.213
6	Locking nut	915.000.088
7	Locking ring	915.000.187
10, 11, 12	Latch kit	905.159.500

R 414 F / R 314 F





R 414 F

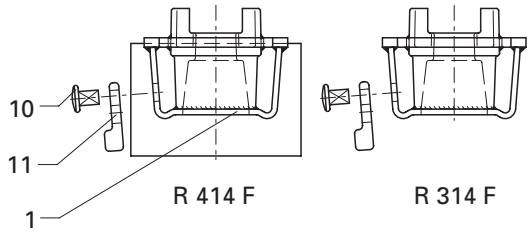
Application: Container chassis
rec. gross container weight: max. 30.500 kg
Locking pin: ø 38 mm [ISO]
can be screwed down, non-retractable

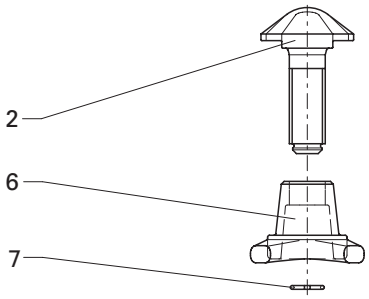
** Locking nut loose 139*

Selection table / available versions

Versions	A (mm)	B (mm)	Weight (kg)	Order No.	Drawing No.
with back plate	80	160	10.3	R 414 F	905.234.000
without back plate	72	152	9.0	R 314 F	905.199.000

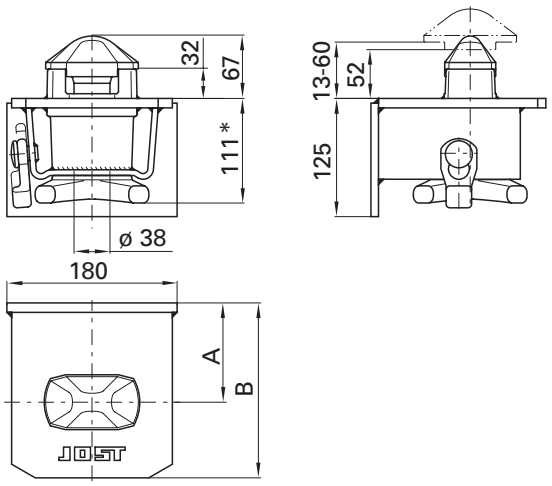
Spare parts





Item	Description		R 414 F	R 314 F
1	Housing	incl. Item10+11	905.234.100	905.199.100
2	Locking pin		915.000.137	915.000.137
6	Locking nut		915.000.127	915.000.127
7	Locking ring		915.000.190	915.000.190
10	Pin		905.159.002	905.159.002
11	Latch		915.159.001	915.159.001

R 434 F / R 334 F



R 434 F

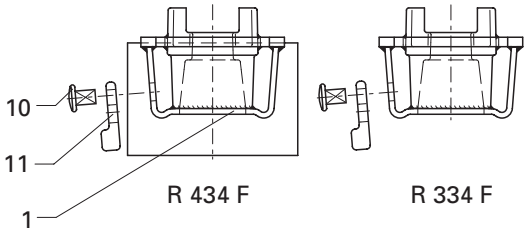
Application: Container chassis
rec. gross container weight: max. 30.500 kg
Locking pin: ø 38 mm [ISO]
can be screwed down, non-retractable

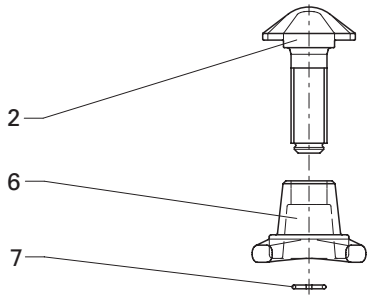
** Locking nut loose 139*

Selection table / available versions

Versions	A (mm)	B (mm)	Weight (kg)	Order No.	Drawing No.
with back plate	105	185	11.5	R 434 F	905.347.000
without back plate	95	175	9.8	R 334 F	905.354.000

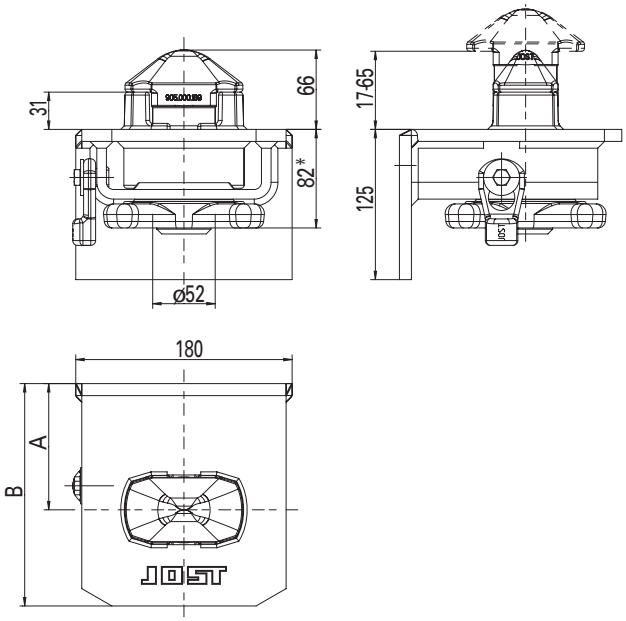
Spare parts





Item	Description		R 434 F	R 334 F
1	Housing	incl. Item 10+11	905.347.100	905.354.100
2	Locking pin		915.000.137	915.000.137
6	Locking nut		915.000.127	915.000.127
7	Locking ring		915.000.190	915.000.190
10	Pin		905.159.002	905.159.002
11	Latch		915.159.001	915.159.001

R 408 F / R 308 F



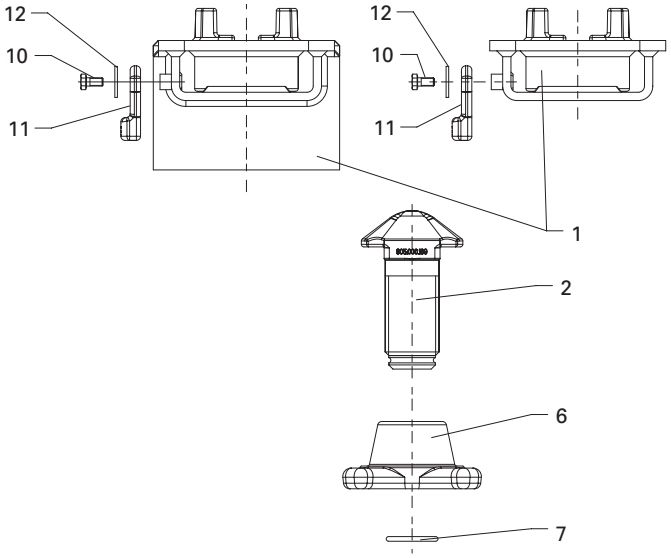
Application: Container chassis
Preferably when space is limited
rec. gross container weight: max. 30.500 kg
Locking pin: ø 52 mm [ISO]
can be screwed down, non-retractable

** Locking nut loose 116*

Selection table / available versions

Versions	A (mm)	B (mm)	Weight (kg)	Condition at delivery	Order No.	Drawing No.
with back plate	105	185	12.2	mounted	R 408 F	905.717.000
with back plate	105	185	12.2	unmounted	R 408 FV	
without back plate	95	175	10.5	mounted	R 308 F	905.716.000
without back plate	95	175	10.5	unmounted	R 308 FV	

Spare parts

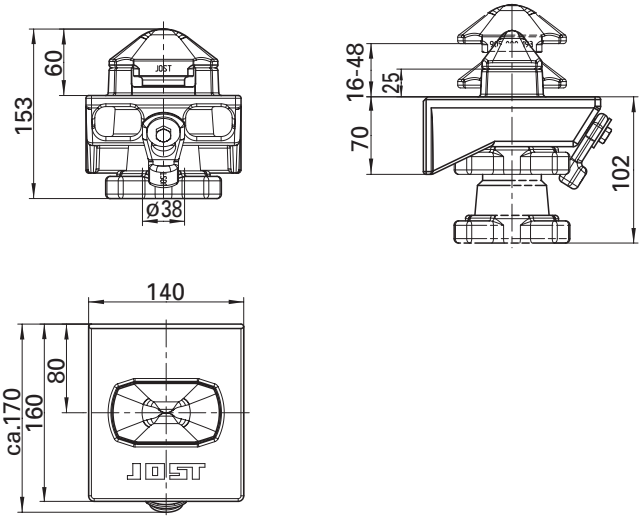


Item	Description	R 408 F	R 308 F
1	Housing	905.717.100	905.716.100
2	Locking pin	915.000.189	915.000.189
6	Locking nut	915.000.275	915.000.275
7	Locking ring	915.000.187	915.000.187

Spare parts kit

Item	Description	Order No.
10, 11, 12	Latch kit	905.159.500

F 17 SKA-70 V

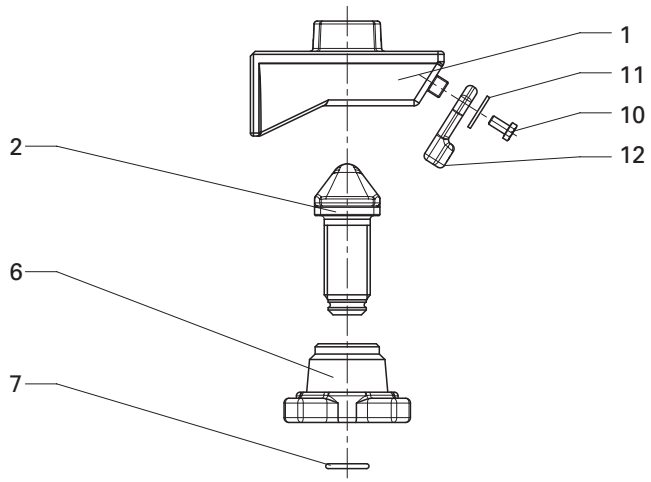


Application: Intermodal vehicle and container chassis
rec. gross container weight: max. 30.500 kg
Locking pin: ø 38 mm [ISO]
can be screwed down, non-retractable
Housing raw, mounting parts galvanised,
screwable latch on face

Selection table / available versions

Weight (kg)	Condition at delivery	Order No.	Drawing No.
7.6	unmounted	F 17 SKA-70 V	905.137.000

Spare parts

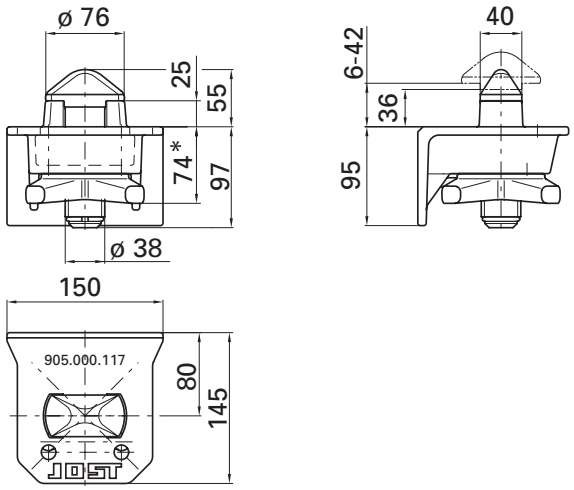


Item	Description		Order No.
1	Housing	incl. Item 10-12	914.000.179
2	Locking pin		915.000.193
6	Locking nut		915.000.208
7	Locking ring		915.000.190

Spare parts kit

Item	Description	Order No.
10, 11, 12	Latch kit	905.159.500

F 10 SK-RV



Application: Intermodal vehicle
rec. gross container weight: max. 10.000 kg
Locking pin: ø 38 mm [Not compatible with ISO.]
can be screwed down, non-retractable

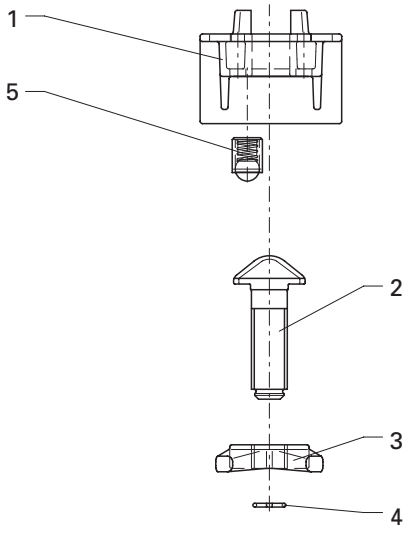
** Locking nut loose 91*

Selection table / available versions

Weight (kg)	Condition at delivery	Order No.	Drawing No.
6.7	unmounted	F 10 SK-RV	905.188.000

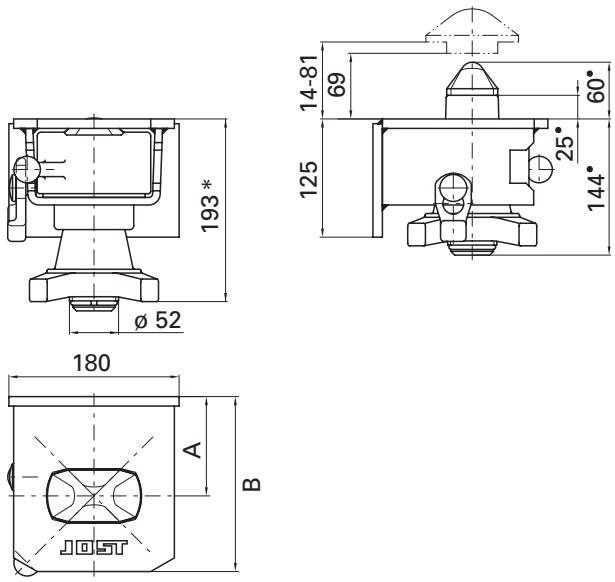
The F10 SK-R lock may only be used with the CC012 corner casting since the dimensions of the locking pin are not compatible with the base openings of corner castings in accordance with ISO 1161.

Spare parts



Item	Description		Order No.
1	Housing	incl. Item 5	905.000.117
2	Locking pin		915.000.252
3	Locking nut		915.000.077
4	Locking ring		915.000.190
5	Ball lock		905.000.143

R 401 VAK / R 301 VA



R 401 VAK

Application: Container chassis
rec. gross container weight: max. 34.000 kg
Locking pin: ø 52 mm [ISO]
can be screwed down, retractable
alternative version with cast housing:
VA 01 SK

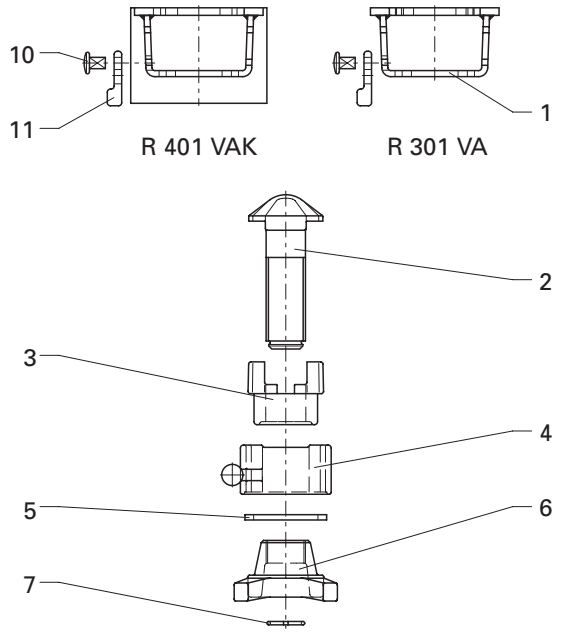
** Locking nut loose 242*

- Dimensions in position ready for mounting

Selection table / available versions

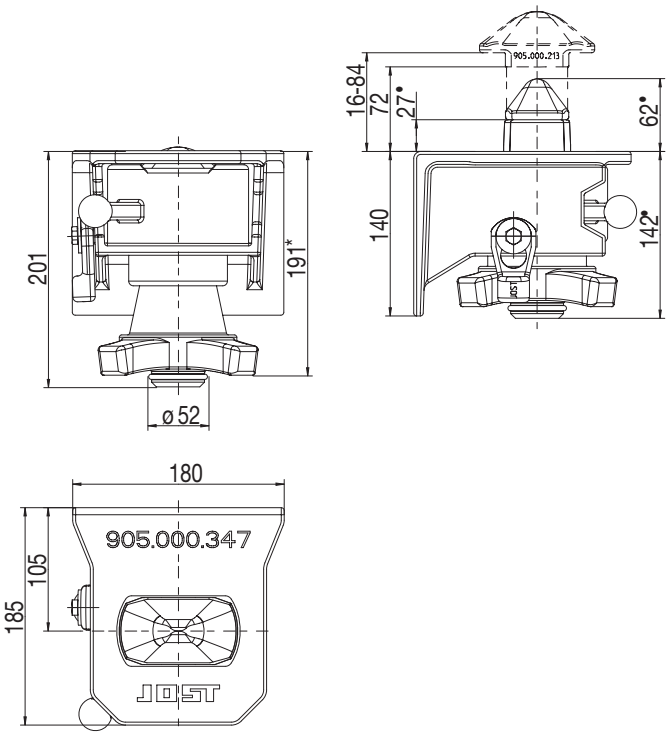
Versions	A (mm)	B (mm)	Weight (kg)	Condition at delivery	Order No.	Drawing No.
with back plate	105	185	16.4	mounted	R 401 VAK	905.294.000
with back plate	105	185	16.4	unmounted	R 401 VAKV	
without back plate	95	175	14.7	mounted	R 301 VA	905.222.000
without back plate	95	175	14.7	unmounted	R 301 VAV	

Spare parts



Item	Description		R 401 VAK	R 301 VA
1	Housing	incl. Item 10+11	905.294.100	905.222.100
2	Locking pin		915.000.213	915.000.213
3	Guide bush		915.000.161	915.000.161
4	Outer bush		915.000.160	915.000.160
5	Spacer ring		915.000.188	915.000.188
6	Locking nut		915.000.072	915.000.072
7	Locking ring		915.000.187	915.000.187
10	Pin		905.159.002	905.159.002
11	Latch		915.159.001	915.159.001

VA 01 SK



Application: Container chassis
rec. gross container weight: max. 34.000 kg
Locking pin: ø 52 mm [ISO]
can be screwed down, retractable
screwable latch
alternative version with welded sheet steel housing: R 401 VAK / R 301 VA
VA 01 SK: housing primed
VA SKV: housing raw

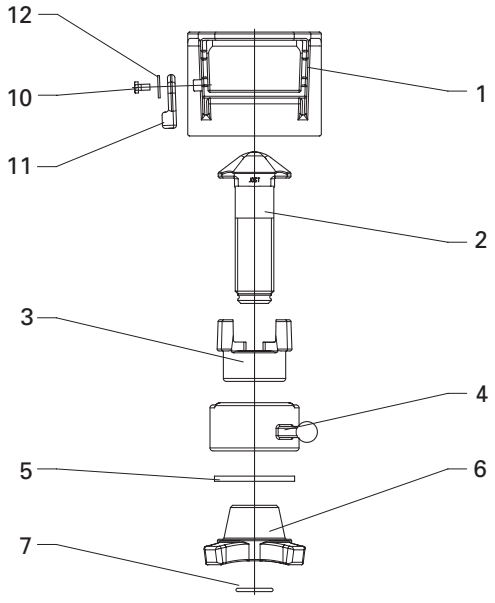
** Locking nut loose 240*

- Dimensions in position ready for mounting

Selection table / available versions

Weight (kg)	Condition at delivery	Order No.	Drawing No.
16.2	mounted	VA 01 SK	905.207.000
16.2	unmounted	VA 01 SKV	

Spare parts

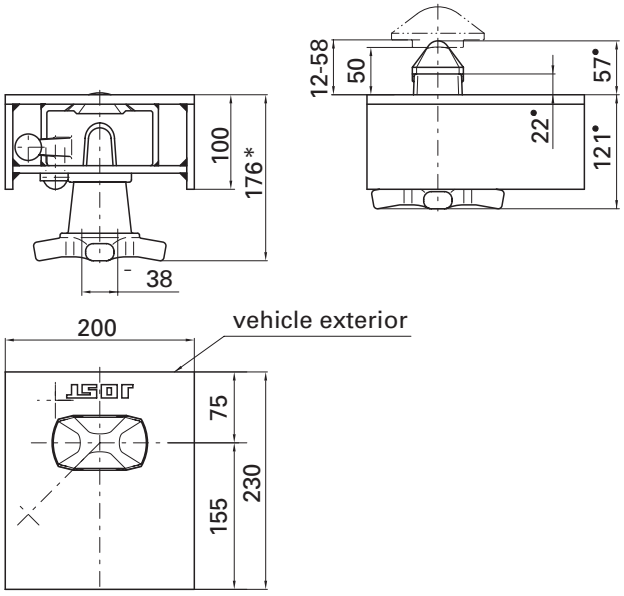


Item	Description		Order No.
1	Housing	incl. Item 10-12	914.000.249
2	Locking pin		915.000.213
3	Guide bush		915.000.161
4	Outer bush		915.000.160
5	Spacer ring		915.000.188
6	Locking nut		915.000.072
7	Locking ring		915.000.187

Spare parts kit

Item	Description	Order No.
10, 11, 12	Latch kit	905.159.500

R 316 VAP



Application: Platform
rec. gross container weight: max. 30.500 kg
Locking pin: ø 38 mm [ISO]
can be screwed down, retractable

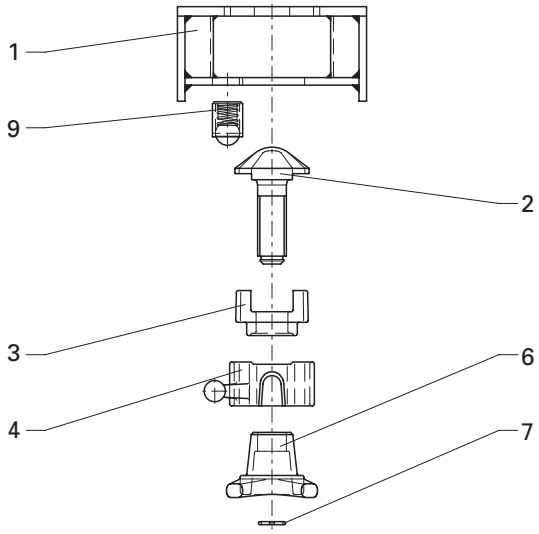
** Locking nut loose 203*

- Dimensions in position ready for mounting

Selection table / available versions

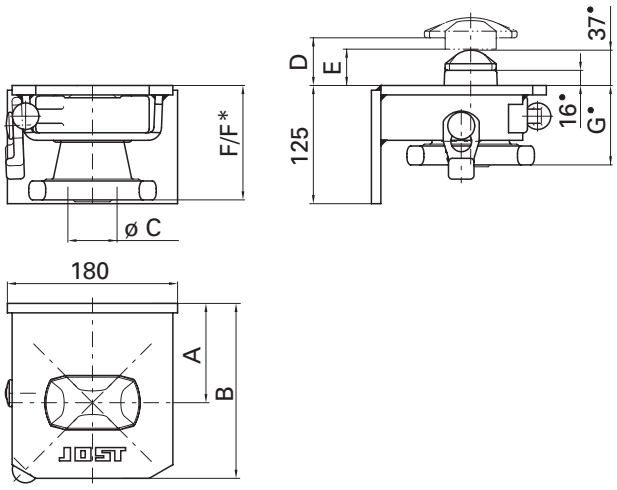
Weight (kg)	Condition at delivery	Order No.	Drawing No.
15.7	mounted	R 316 VAP	905.202.000
15.7	unmounted	R 316 VAPV	

Spare parts



Item	Description		Order No.
1	Housing	incl. Item 9	905.202.200
2	Locking pin		915.000.137
3	Guide bush		915.000.178
4	Outer bush		915.000.177
6	Locking nut		915.000.127
7	Locking ring		915.000.190
9	Ball lock		905.000.143

R 406 VAK / 306 VA / 406 VAK-C / 405 VAK / 305 VA



R 405 VAK

Application:
R 406 VAK and R 306 VA / R405 VAK and R305 VA:
Intermodal vehicle / trailer

R 406 VAK-C:
Container chassis in centre position
(Only corner castings in accordance with ISO 1161 can be tightened).

rec. gross container weight: max. 25.400 kg
can be screwed down, retractable

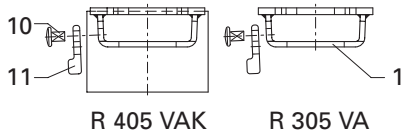
** Locking nut loose*

- Dimensions in position ready for mounting

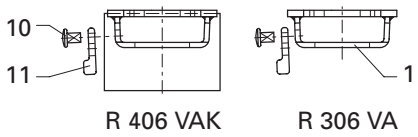
Selection table / available versions

Versions	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F / F* (mm)	G (mm)	Weight (kg)	Condition at delivery	Order No.	Drawing No.
without back plate	95	175	52	16-50	38	123/152	86	10.5	unmounted	R 305 VAV	905.273.000
without back plate	95	175	38	12-50	42	121/151	84	9.8	unmounted	R 306 VAV	905.315.000
with back plate	105	185	52	16-50	38	123/152	86	12.2	mounted	R 405 VAK	905.319.000
with back plate	105	185	52	16-50	38	123/152	86	12.2	unmounted	R 405 VAKV	905.319.000
with back plate	105	185	38	12-50	42	121/151	84	11.6	unmounted	R 406 VAKV	905.317.000
with back plate	105	185	38	22-62	42	121/161	95	11.8	unmounted	R 406 VAKV-C	905.561.000

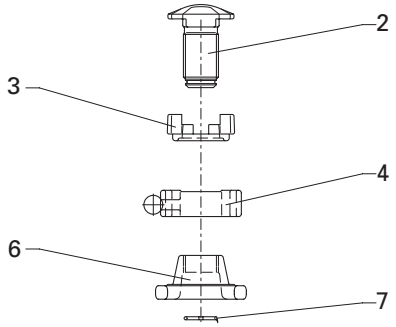
Spare parts

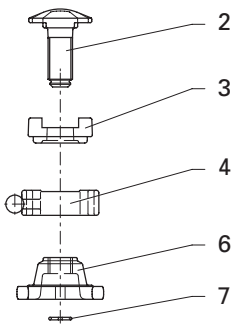


R 405 VAK R 305 VA



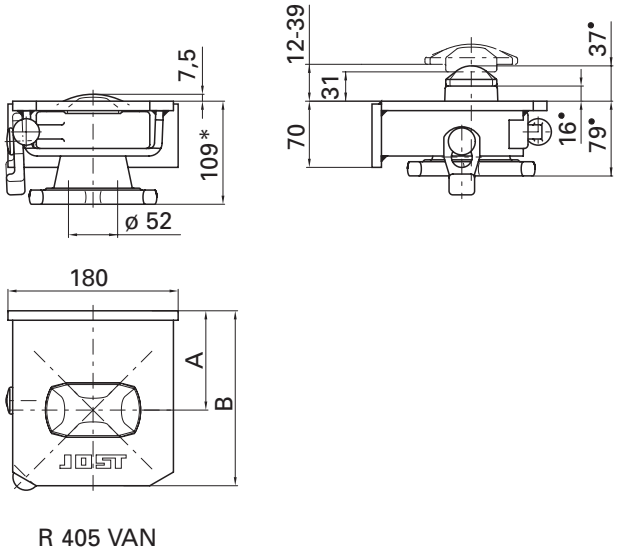
R 406 VAK R 306 VA





Item	Description		R 305 VA	R 306 VA	R 405 VAK	R 406 VAK	R 406 VAK-C
1	Housing	incl. Item 10+11	905.273.100	905.273.100	905.319.100	905.319.100	905.319.100
2	Locking pin		915.000.276	915.000.289	915.000.276	915.000.289	915.000.327
3	Guide bush		915.000.273	915.000.288	915.000.273	915.000.288	915.000.288
4	Outer bush		915.000.274	915.000.274	915.000.274	915.000.274	915.000.274
6	Locking nut		915.000.275	915.000.303	915.000.275	915.000.303	915.000.303
7	Locking ring		915.000.187	915.000.190	915.000.187	915.000.190	915.000.190
10	Pin		905.159.002	905.159.002	905.159.002	905.159.002	905.159.002
11	Latch		915.159.001	915.159.001	915.159.001	915.159.001	915.159.001

R 405 VAN / R 405 VAN



R 405 VAN

Application: Intermodal vehicle / trailer
rec. gross container weight: max. 25.400 kg
Locking pin: ø 52 mm [ISO]
can be screwed down, retractable
(Only corner castings in accordance with EN 284 with a thickness of 20 mm can be tightened).

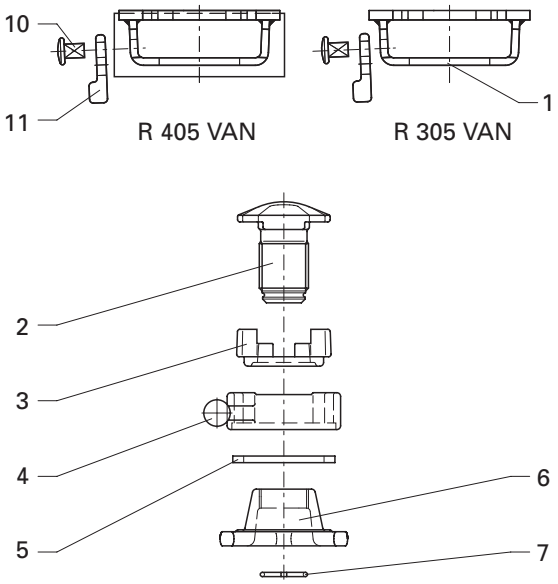
** Locking nut loose 129*

- Dimensions in position ready for mounting

Selection table / available versions

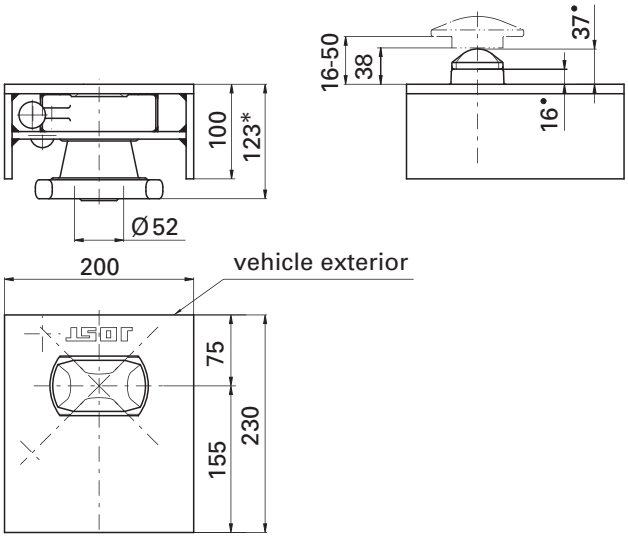
Versions	A (mm)	B (mm)	Weight (kg)	Order No.	Drawing No.
without back plate	95	175	9.8	R 305 VAN	905.413.000
with back plate	105	185	10.8	R 405 VAN	905.400.000

Spare parts



Item	Description		R 405 VAN	R 305 VAN
1	Housing	incl. Item 10+11	905.400.100	905.273.100
2	Locking pin		915.000.314	915.000.314
3	Guide bush		915.000.273	915.000.273
4	Outer bush		915.000.312	915.000.312
5	Spacer ring		915.000.188	915.000.188
6	Locking nut		915.000.313	915.000.313
7	Locking ring		915.000.187	915.000.187
10	Pin		905.159.002	905.159.002
11	Latch		915.159.001	915.159.001

R 305 VAP



Application: Platform
rec. gross container weight: max. 25.400 kg
Locking pin: ø 52 mm [ISO]
can be screwed down, retractable

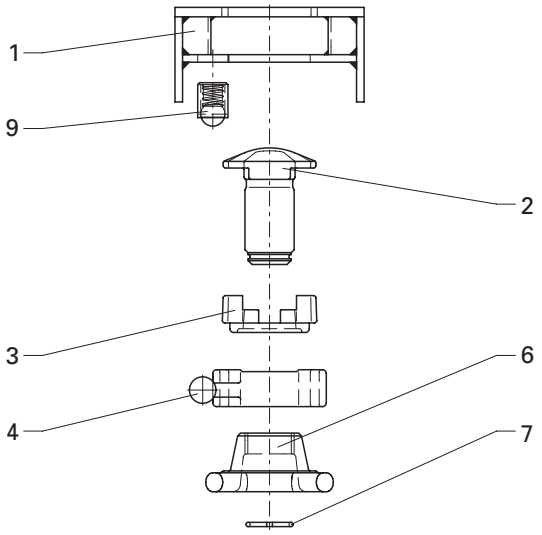
** Locking nut loose 152*

- Dimensions in position ready for mounting

Selection table / available versions

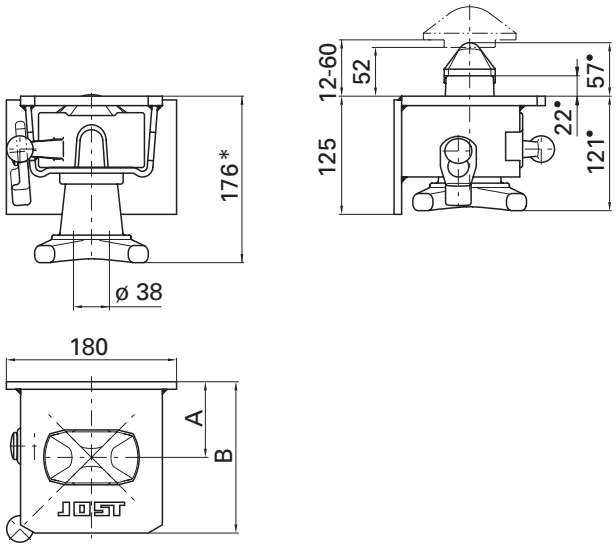
Weight (kg)	Condition at delivery	Order No.	Drawing No.
14.0	mounted	R 305 VAP	905.295.000
14.0	unmounted	R 305 VAPV	

Spare parts



Item	Description		Order No.
1	Housing	incl. Item 9	905.295.200
2	Locking pin		915.000.276
3	Guide bush		915.000.273
4	Outer bush		915.000.274
6	Locking nut		915.000.275
7	Locking ring		915.000.187
9	Ball lock		905.000.143

R 416 VAK / R 316 VA



R 416 VAK

Application: Container chassis in center position
Intermodal vehicle / trailer
rec. gross container weight: max. 25.400 kg
Locking pin: ø 38 mm [ISO]
can be screwed down, retractable

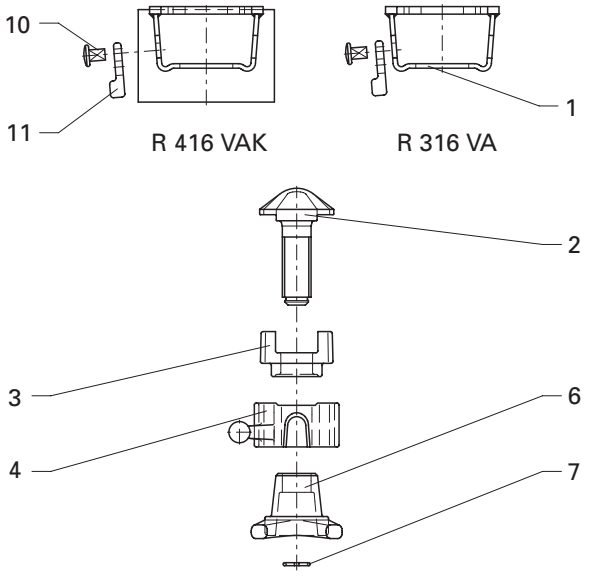
** Locking nut loose 204*

- Dimensions in position ready for mounting

Selection table / available versions

Versions	A (mm)	B (mm)	Weight (kg)	Condition at delivery	Order No.	Drawing No.
with back plate	80	160	10.5	mounted	R 416 VAK	905.248.000
with back plate	80	160	10.5	unmounted	R 416 VAKV	
without back plate	72	152	9.2	mounted	R 316 VA	905.198.000
without back plate	72	152	9.2	unmounted	R 316 VAV	

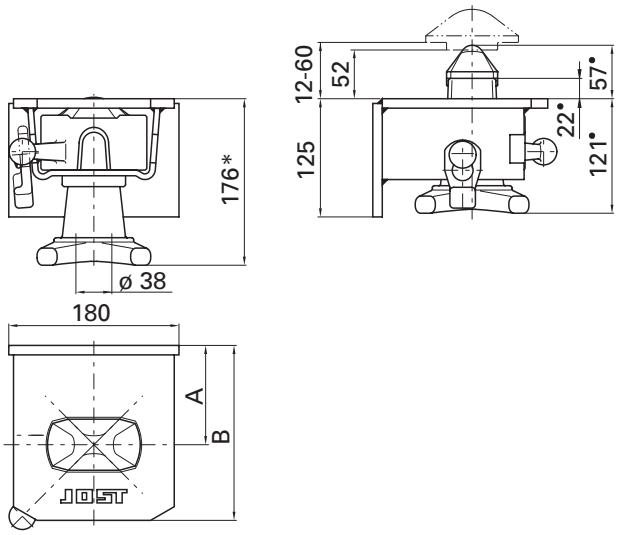
Spare parts



R 416 VAK R 316 VA

Item	Description		R 416 VAK	R 316 VA
1	Housing	incl. Item 10+11	905.248.100	905.198.100
2	Locking pin		915.000.137	915.000.137
3	Guide bush		915.000.178	915.000.178
4	Outer bush		915.000.177	915.000.177
6	Locking nut		915.000.127	915.000.127
7	Locking ring		915.000.190	915.000.190
10	Pin		905.159.002	905.159.002
11	Latch		915.159.001	915.159.001

R 436 VAK / R 336 VA



R 436 VAK

Application: Container chassis in center position
Intermodal vehicle / trailer
rec. gross container weight: max. 25.400 kg
Locking pin: ø 38 mm [ISO]
can be screwed down, retractable
alternative version with cast housing: VA 36 SK

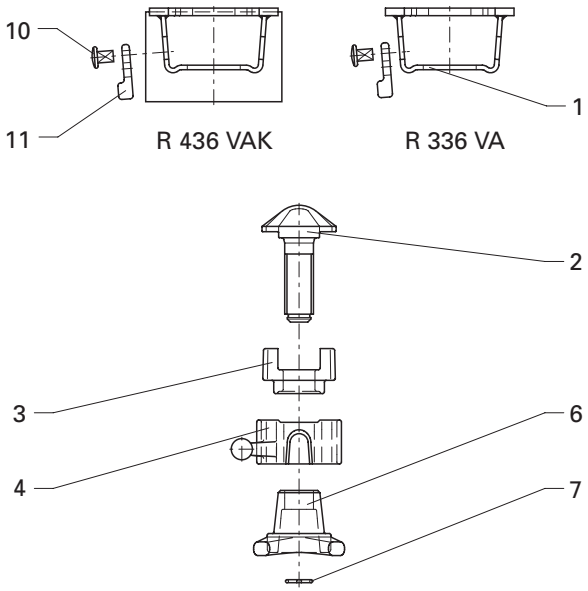
** Locking nut loose 204*

- Dimensions in position ready for mounting

Selection table / available versions

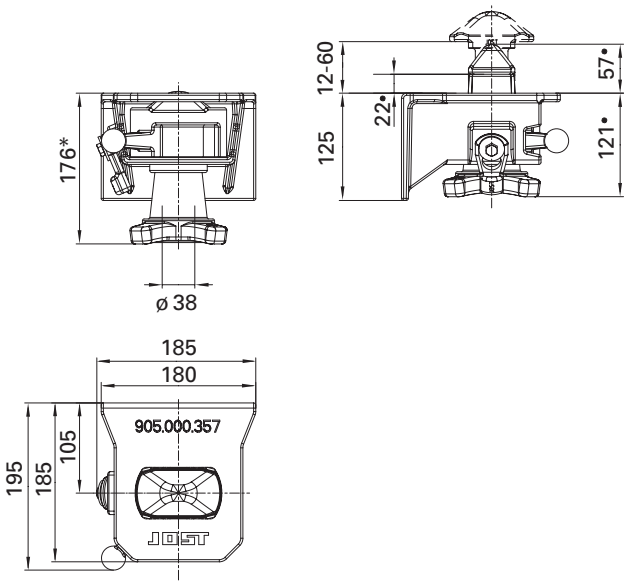
Versions	A (mm)	B (mm)	Weight (kg)	Order No.	Drawing No.
with back plate	105	185	11.7	R 436 VAK	905.346.000
without back plate	95	175	10.0	R 336 VA	905.353.000

Spare parts



Item	Description		R 436 VAK	R 336 VA
1	Housing	incl. Item 10+11	905.346.100	905.353.100
2	Locking pin		915.000.137	915.000.137
3	Guide bush		915.000.178	915.000.178
4	Outer bush		915.000.177	915.000.177
6	Locking nut		915.000.127	915.000.127
7	Locking ring		915.000.190	915.000.190
10	Pin		905.159.002	905.159.002
11	Latch		915.159.001	915.159.001

VA 36 SK



VA 36 SK

Application: Container chassis
rec. gross container weight: max. 25.400 kg
Locking pin: ø 38 mm [ISO]
can be screwed down, retractable
screwable latch
alternative version with welded sheet steel housing:
R 436 VAK / R 336 VA

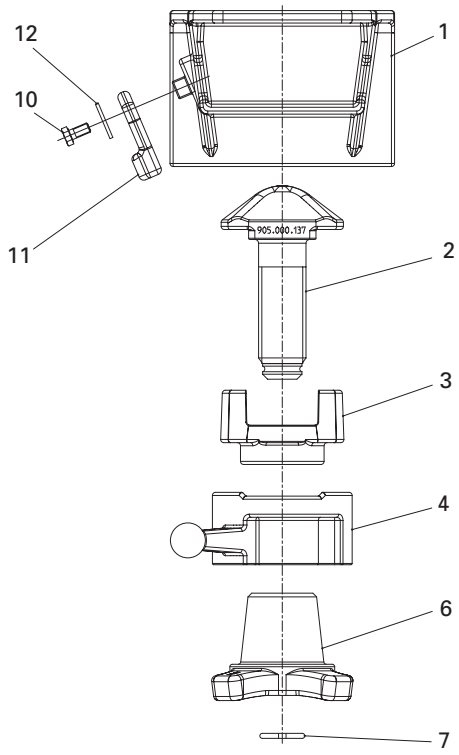
** Locking nut loose 204*

- Dimensions in position ready for mounting

Selection table / available versions

Weight (kg)	Condition at delivery	Order No.	Drawing No.
11.7	unmounted	VA 36 SKV	905.691.000

Spare parts

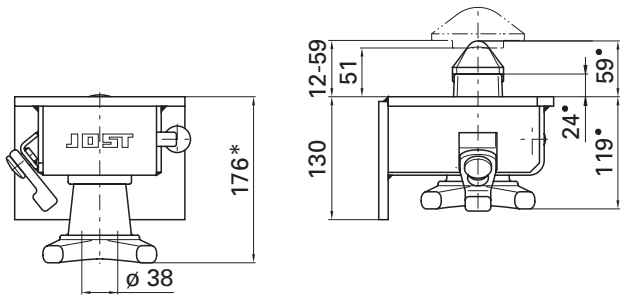


Item	Description		Order No.
1	Housing	incl. Item 10-12	905.000.358
2	Locking pin		915.000.137
3	Guide bush		915.000.178
4	Outer bush		915.000.177
6	Locking nut		915.000.127
7	Locking ring		915.000.190

Spare parts kit

Item	Description	Order No.
10, 11, 12	Latch kit	905.159.500

R 1018

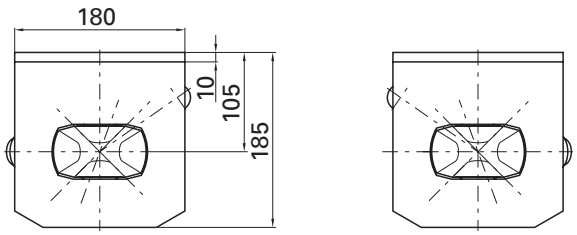


Application:
R 1018 VAR/VAL
Container chassis in center position
Intermodal vehicle / trailer
Platform

R 1018 VA-2 Special construction
rec. gross container weight: max. 25.400 kg
Locking pin: ø 38 mm [ISO]
can be screwed down, operated from the side,
retractable Condition at delivery: unmounted

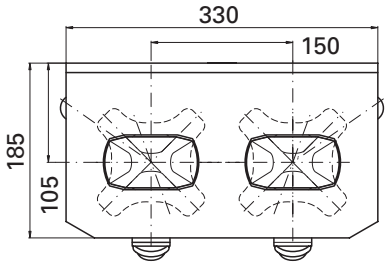
** Locking nut loose 203*

- Dimensions in position ready for mounting



R 1018 VAR

R 1018 VAL

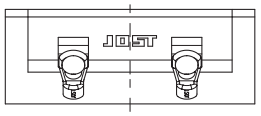


R 1018 VA-2

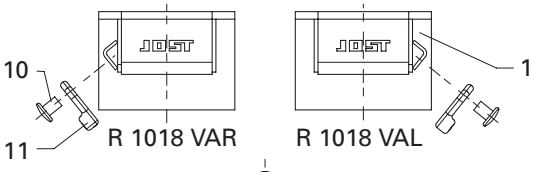
Selection table / available versions

Versions	Weight (kg)	Order No.	Drawing No.
Operation right	12.9	R 1018 VARV	905.429.010
Operation left	12.9	R 1018 VALV	905.429.020
doubled	25.2	R 1018 VA-2V	905.614.000

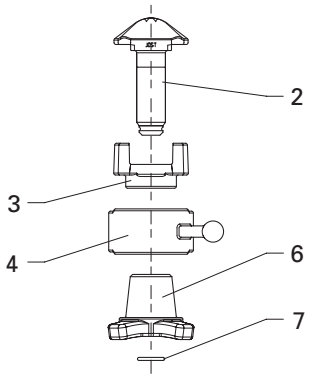
Spare parts



R 1018 VA-2

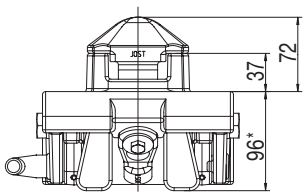


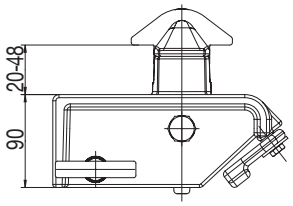
R 1018 VAR R 1018 VAL



Item	Description	R 1018 VAR	R 1018 VAL	R 1018 VA-2V
1	Housing incl. Item 10+11	905.429.110	905.429.120	905.614.100
2	Locking pin	915.000.137	915.000.137	915.000.137
3	Guide bush	915.000.178	915.000.178	915.000.178
4	Outer bush	915.000.319	915.000.319	915.000.319
6	Locking nut	915.000.127	915.000.127	915.000.127
7	Locking ring	915.000.190	915.000.190	915.000.190
10	Pin	905.159.002	905.159.002	905.159.002
11	Latch	915.159.001	915.159.001	915.159.001

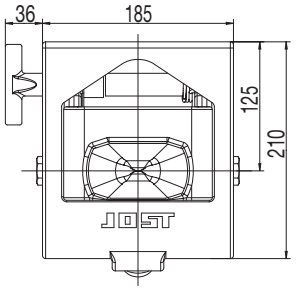
TL 2009



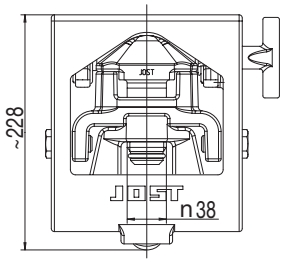


Application: Container chassis in center position
Particularly low version, inner parts are
rotated by 90° into the casing for lowering
rec. gross container weight: max. 25.400 kg
Locking pin: ø 38 mm [ISO]
can be screwed down, retractable

** Locking nut loose 129*



TL 2009 L-G
deployed position

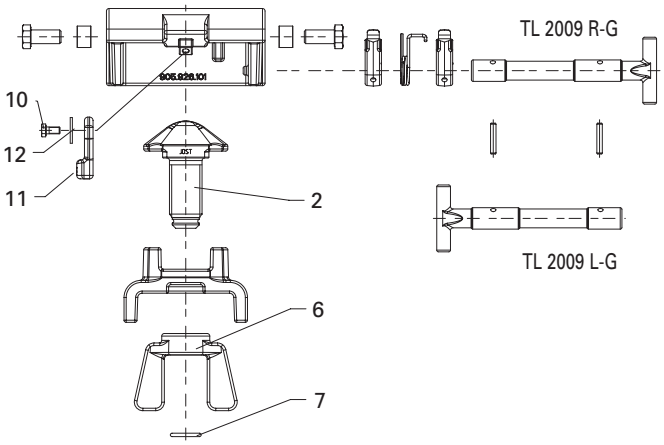


TL 2009 R-G
retracted position

Selection table / available versions

Versions	Weight (kg)	Order No.	Drawing No.
left	13.1	TL 2009 L-G	905.926.020
right	13.1	TL 2009 R-G	905.926.010

Spare parts

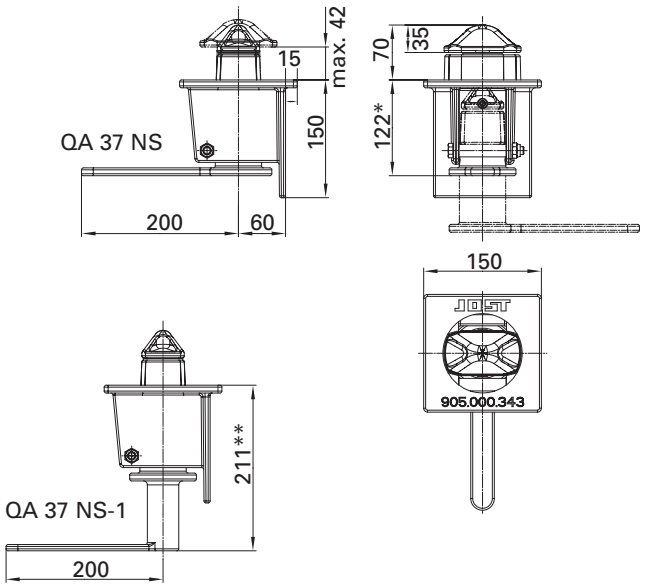


Item	Description	TL 2009 L-G	TL 2009 R-G
2	Locking pin	915.000.193	915.000.193
6	Locking nut	915.000.913	915.000.913
7	Locking ring	915.000.190	915.000.190

Spare parts kit

Item	Description	Order No.
10, 11, 12	Latch kit	905.159.50

QA 37 NS



Application: Container chassis in center position
rec. gross container weight: max. 25.400 kg
Locking pin: ø 38 mm [ISO]
retractable, cannot be screwed down
Condition at delivery: completely primed

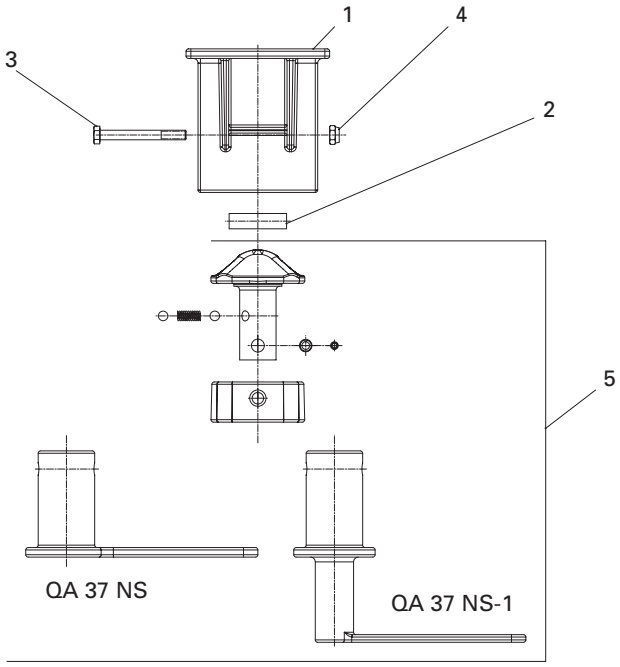
** retractabled 194*
*** retractabled 283*

Selection table / available versions

Versions	Weight (kg)	Order No.	Drawing No.
flat, straight handle	7.9	QA 37 NS	905.674.000
flat, angled handle	8.5	QA 37 NS-1	905.667.000

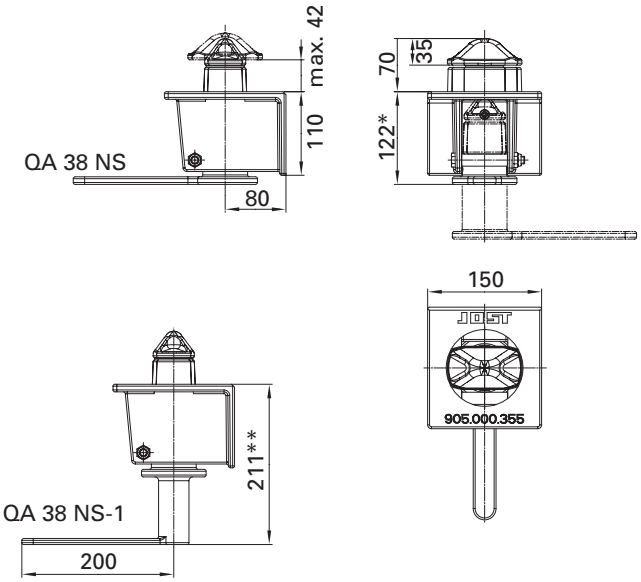
This lock does not comply with the German Road Traffic Approval Directive (StVZO) §30, Rili 6.

Spare parts



Item	Description	QA 37 NS	QA 37 NS-1
1	Housing	905.000.343	
2	Spacer	905.376.001	
3	Hex screw	000.001.077	
4	Hex nut	NT0000400	
5	Locking pin, compl.	905.674.400	905.667.400

QA 38 NS



Application: Container chassis in center position
rec. gross container weight: max. 25,400 kg
Locking pin: ø 38 mm [ISO]
retractable, cannot be screwed down
Condition at delivery: completely primed

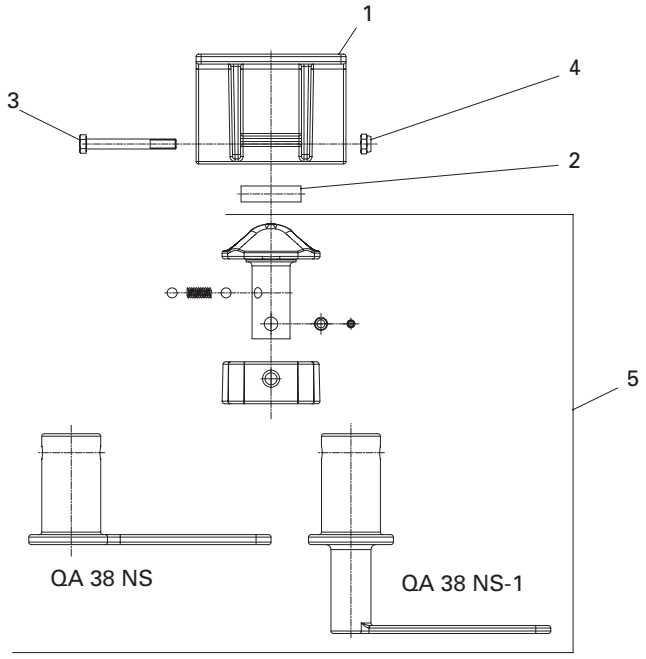
** retractabled 194*
*** retractabled 283*

Selection table / available versions

Versions	Weight (kg)	Order No.	Drawing No.
flat, straight handle	8.4	QA 38 NS	905.675.000
flat, angled handle	9.0	QA 38 NS-1	905.676.000

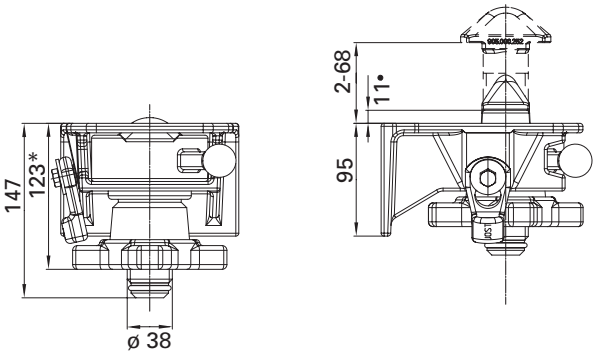
This lock does not comply with the German Road Traffic Approval Directive (StVZO) §30, Rili 6.

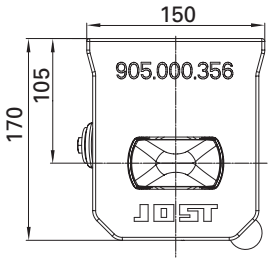
Spare parts



Item	Description	QA 38 NS	QA 38 NS-1
1	Housing	905.000.355	
2	Spacer	905.376.001	
3	Hex screw	000.001.077	
4	Hex nut	NT0000400	
5	Locking pin, compl.	905.674.400	905.667.400

VA 11 SK





VA 11 SK

Application: Intermodal vehicle/ trailer
rec. gross container weight: max. 10.000 kg
Locking pin: ø 38 mm [Not compatible with ISO.]
can be screwed down, retractable
Screwable latch

** Locking nut loose 175*

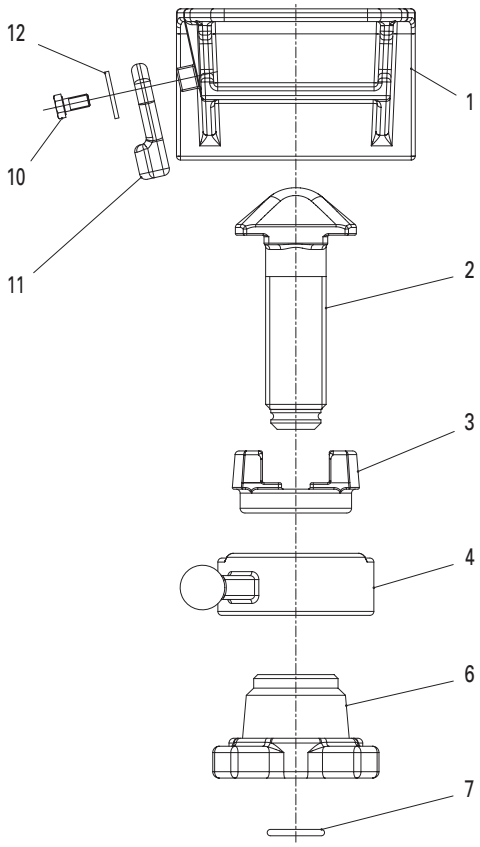
- Dimensions in position ready for mounting

Selection table / available versions

Weight (kg)	Order No.	Drawing No.
8.6	VA 11 SK	905.189.000

The VA 11 SK lock may only be used with the CC012 corner casting since the dimensions of the locking pin are not compatible with base openings of corner castings in accordance with ISO 1161.

Spare parts

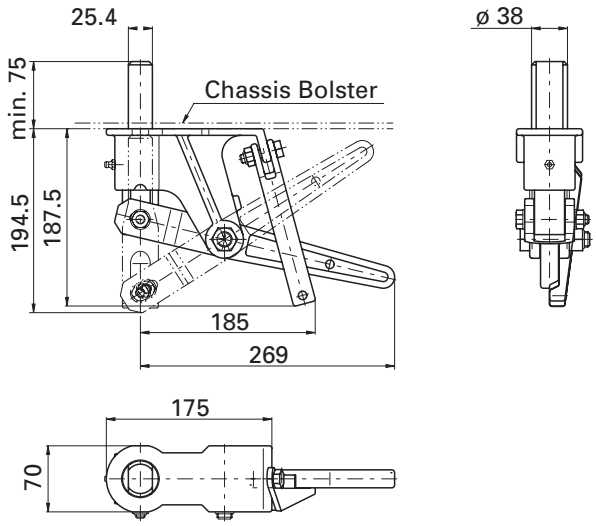


Item	Description		Order No.
1	Housing	incl. Item10-12	905.000.128
2	Locking pin		915.000.252
3	Guide bush		915.000.125
4	Outer bush		915.000.126
6	Locking nut		915.000.208
7	Locking ring		915.000.190

Spare parts kit

Item	Description	Order No.
10, 11, 12	Latch kit	905.159.500

FB 55 HL



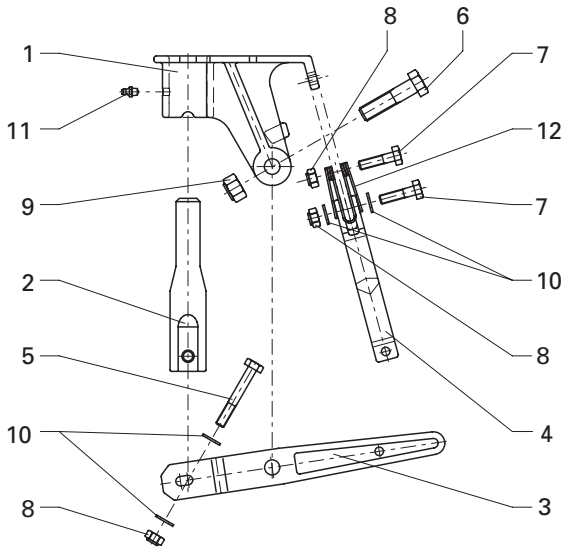
FB 55 HLR

Application: Gooseneck chassis in frontal position
rec. gross container weight: max. 34.000 kg
cannot be screwed down and non-retractable

Selection table / available versions

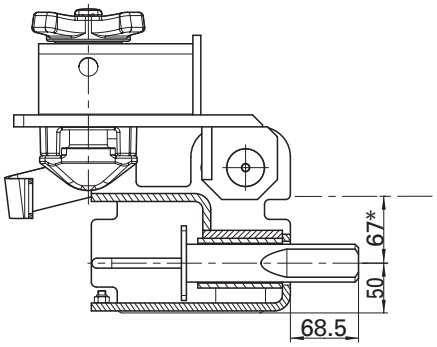
Versions	Weight (kg)	Order No.	Drawing No.
Installation in the direction of travel, right	5.8	FB 55 HLR	905.206.010
Installation in the direction of travel, left	5.8	FB 55 HLL	905.206.020

Spare parts

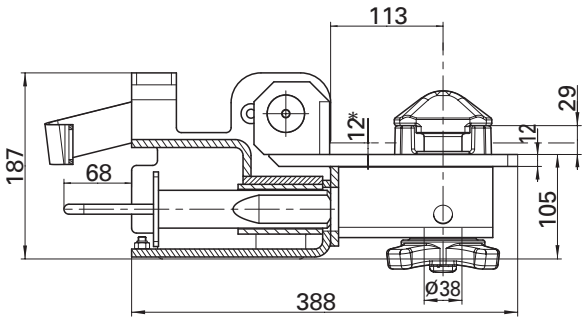


Item	Description	Order No.
1	Housing	905.156.001
2	Locking bar bolt	915.156.002
3	Handle	915.156.003
4	Latch	915.206.001
5	Hex screw	000.001.175
6	Hex screw	000.001.061
7	Hex screw	000.001.125
8	Hex nut	SK 2121-10
9	Hex nut	000.002.001
10	Washer	000.006.047
11	Grease nipple	905.000.185
12	Spring	000.009.002

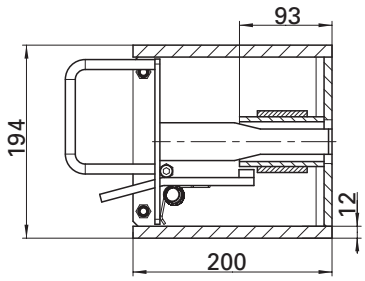
FB 88 – 14 V

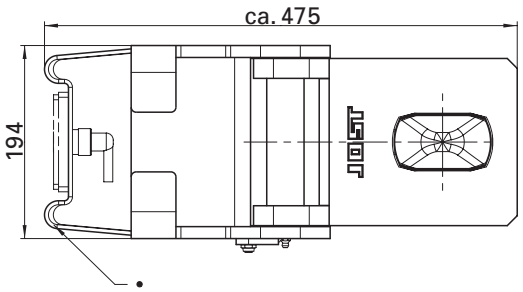


** top of longitudinal chassis beam*



** top of longitudinal chassis beam*





Light holder suitable for Aspöck Flatpoint position lights or light source with comparable connection dimensions. Lights and attachment parts are not included in the JOST delivery.

FB 88 - 14 V

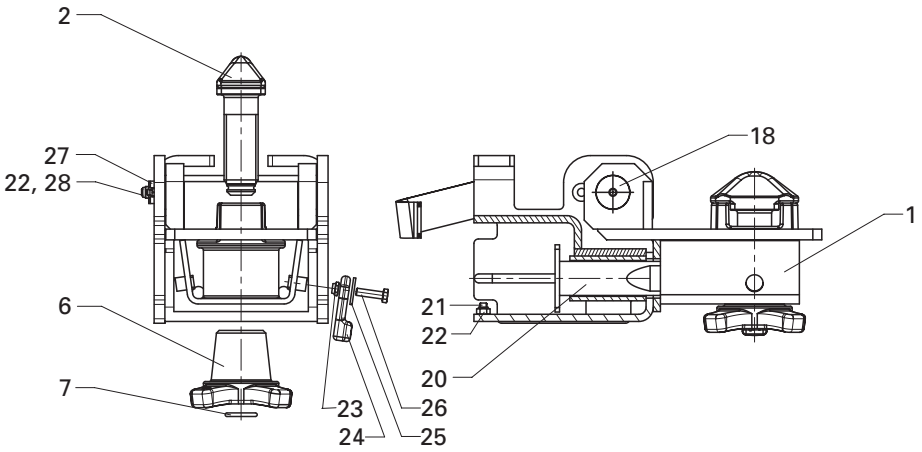
Application: Gooseneck chassis in frontal position
rec. gross container weight: max. 34.000 kg
Locking pin: ø 38 mm [ISO]
Twist lock interior parts: like R 414 F
can be clamped, turned and adjusted in height.
See the installation examples for gooseneck chassis for details of application.
Latch can be mounted on the right or left side, as desired.

Selection table / available versions

Weight (kg)	Order No.	Drawing No.
30.1	FB 88-14 V	905.661.000

FB 88 – 14 V

Spare parts

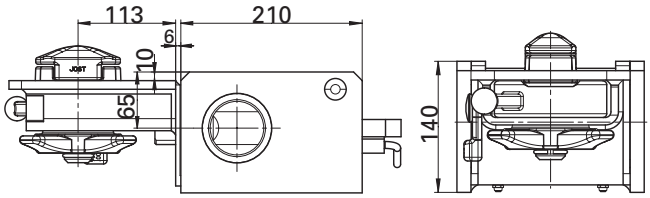


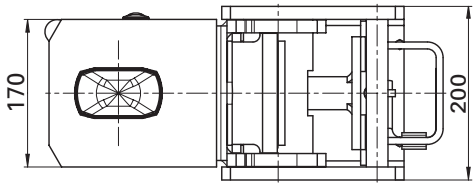
Item	Description	Order No.
1	Housing, galv.	917.661.100
2	Locking pin	915.000.137
6	Locking nut	915.000.127
7	Locking ring	915.000.190
20	Locking bar bolt, compl.	915.661.300
21	Countersunk bolt M8 x 20	000.001.184
22	Nut M8	000.002.017

Spare parts kit

Item	Description	Order No.
23, 24, 25, 26	Latch kit	915.661.600
18, 22, 27, 28	Pin kit	915.661.700

FB 89 – 06 VAV



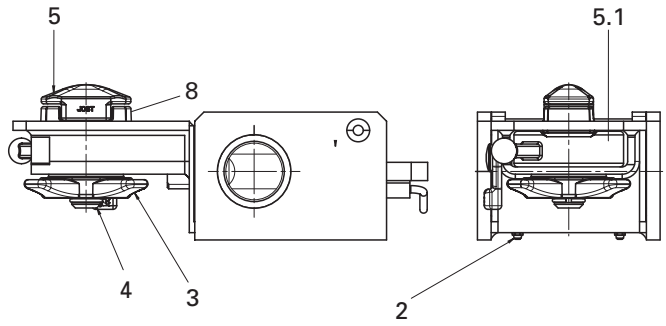


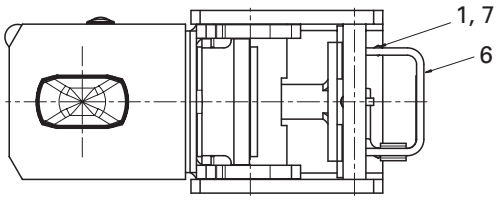
Application: Gooseneck chassis in frontal position
rec. gross container weight: max. 34.000 kg
Locking pin: ø 38 mm [ISO]
Twist lock interior parts: like R 406 VAK-C
can be clamped, turned and retractable.
See the installation examples for gooseneck chassis for details of application.
Condition at delivery: Locking parts unmounted

Selection table / available versions

Weight (kg)	Order No.	Drawing No.
30.9	FB 89 - 06 VAV	905.641.000

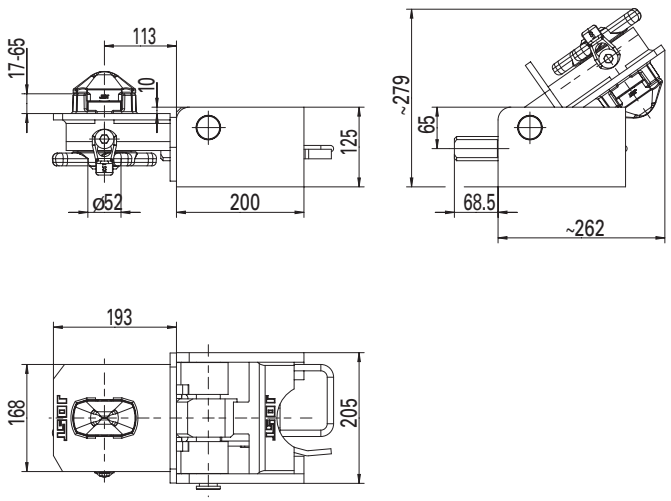
Spare parts





Item	Description	Order No.
1	Bolt	000.001.194
2	Nut	000.002.021
3	Locking nut	915.000.303
4	Locking ring	915.000.190
5	Locking pin	915.000.327
5.1	Outer bush	915.000.274
6	Locking bar bolt, compl.	915.625.300
7	Nut	000.002.039
8	Guide bush	915.000.288

FB 90 F

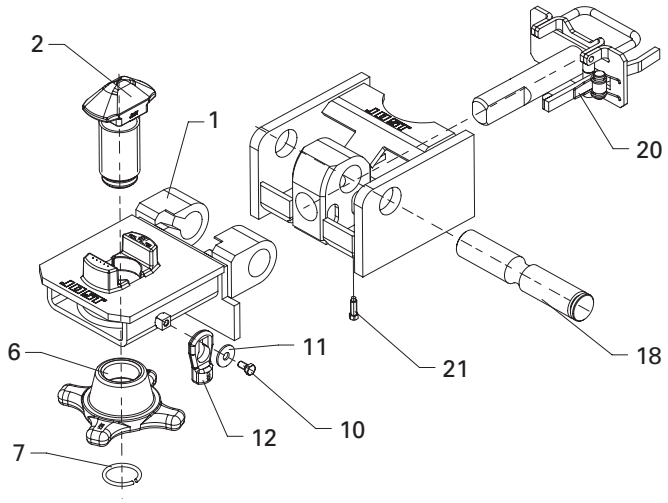


Application: Gooseneck chassis in frontal position
rec. gross container weight: max. 34.000 kg
Locking pin: ø 52 mm [ISO]
Twist lock interior parts: like R 408 F
can be screwed down and turned; not retractable
See the installation examples for gooseneck chassis for details of application.
Condition at delivery: mounted

Selection table / available versions

Versions	Weight (kg)	Order No.	Drawing No.
primed, inner parts galv.	29.9	FB 90 F	905.714.000
Weld-on hsng raw, lock mech. hot-dip galv., inner parts galv.	29.9	FB 90 FV	905.714.000

Spare parts

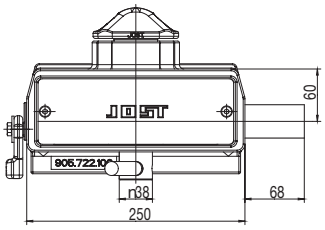


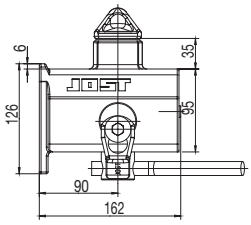
Item	Description	Order No.
1	Twist Lock-Housing, fvz.	917.714.500
2	Locking pin	915.000.189
6	Locking nut	915.000.275
7	Locking ring	915.000.187
18	Pivot pin	915.714.101
20	Locking bar bolt, compl.	915.714.400
21	Safety screw	NT0054600

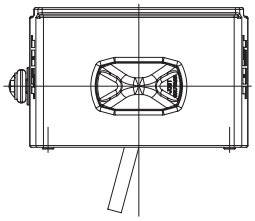
Spare parts kit

Item	Description	Order No.
10, 11, 12	Latch kit	905.159.500

FB 91 NS





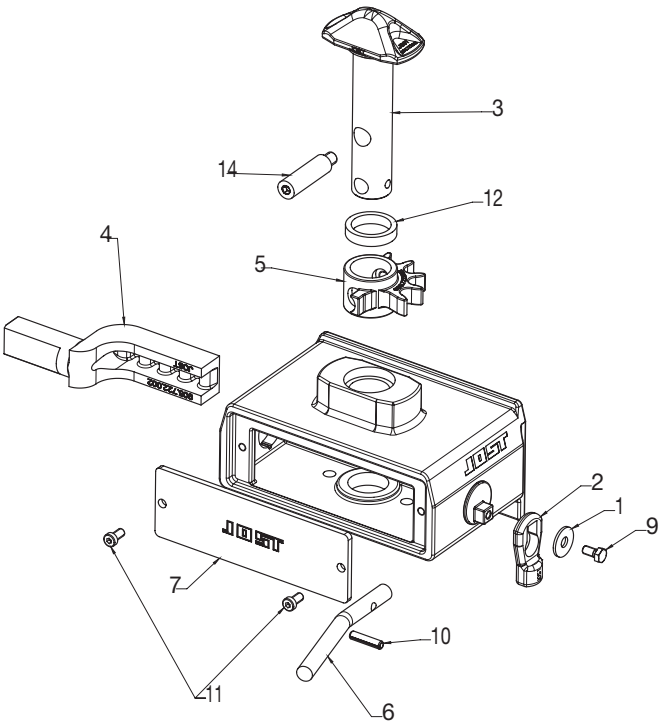


Application: Gooseneck chassis in frontal position
rec. gross container weight: max. 34.000 kg
Locking pin: ø 38 mm [ISO]
non-retractable, cannot be screwed down
See the installation examples for gooseneck chassis for details of application.
Condition at delivery: unmounted
Twist lock can be mounted on the right or left side, as desired.

Selection table / available versions

Versions	Weight (kg)	Order No.	Drawing No.
Weld-on hsng raw, lock mech. hot-dip galv., inner parts galv.	17,3	FB 91 NS	905.722.000

Spare parts

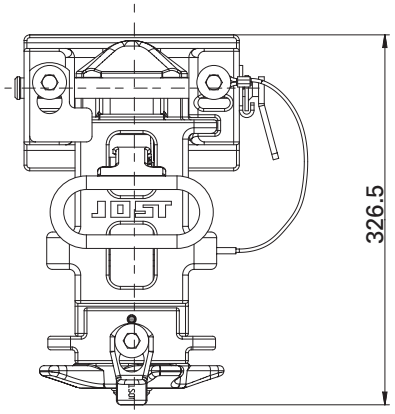


Item	Description	Order No.
3	Locking pin	915.722.001
4	Locking bar bolt	915.722.002
5	gear segment	915.722.003
6	Handle	915.722.005
7	Side cover	915.722.006
10	Spring pin	NT0058400
11	Screw M8x16	NT0058500
12	Felt ring	905.722.007
14	Screw pin	915.722.004

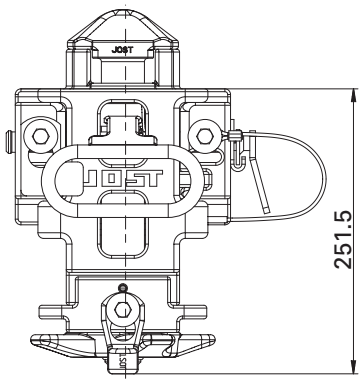
Spare parts kit

Item	Description	Order No.
1, 2, 9	Latch kit	905.159.500

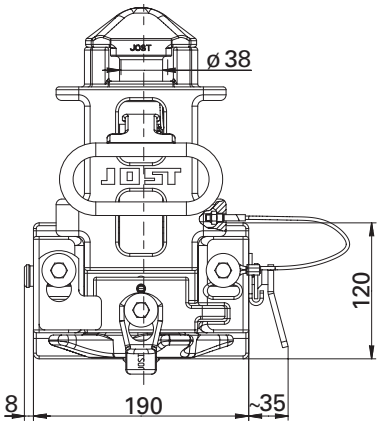
HV 120V



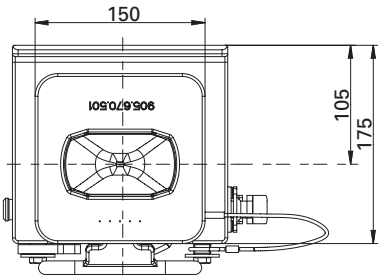
Lowered position



Position 0mm



Position 120mm



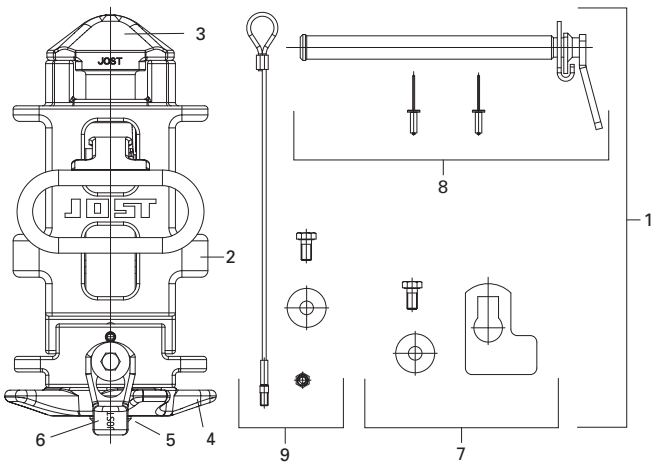
Application: Gooseneck chassis
rec. gross container weight: max. 34.000 kg
Locking pin: ø 38 mm [ISO]

Appropriate central support for vertical load transmission of the gross container weight has to be assembled on the vehicle side.

Selection table / available versions

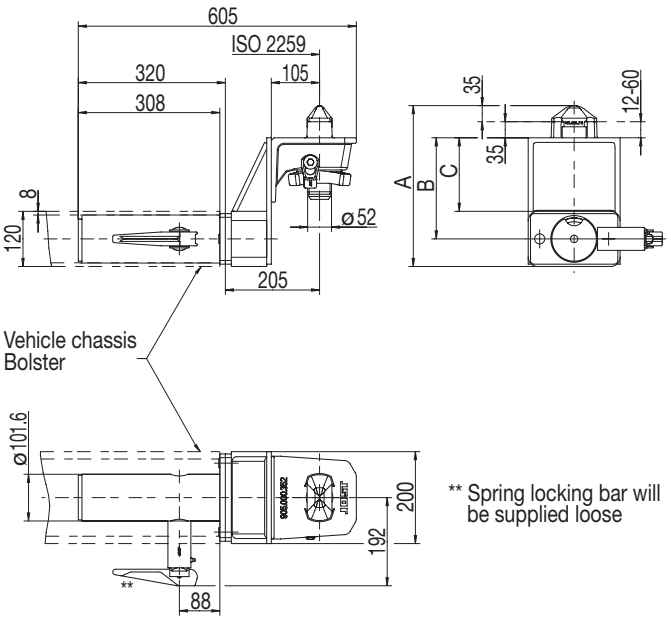
Weight (kg)	Order No.	Drawing No.
24.2	HV 120V	905.670.000

Spare parts



Item	Description		Order No.
1	Kit mounting parts complete		917.670.900
2	Adapter complete	incl. 3-6	917.670.500
3	Locking pin		915.000.353
4	Locking nut		915.000.303
5	Locking ring		915.000.190
6	Latch kit		905.159.500
7	Safety system kit		905.670.950
8	Pin kit		905.670.960
9	Steel cable kit		905.670.970

F 02 EINZ



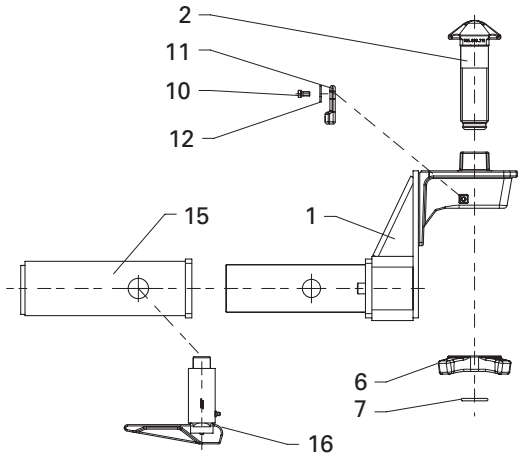
Bolster dimension used: 200 x 120 x 8
rec. gross container weight: max. 34.000 kg
Locking pin: ø 52 mm [ISO]
Twist lock interior parts: like F 02 SK-R
can be screwed down and turned
Bearing raw, housing primed

Use:
F 02 EINZ. - Container chassis pursuant to EN 452 for transporting 40' containers with and without a tunnel
F 02 EINZ.002 - Gooseneck chassis for transporting standard and gooseneck containers. See the installation examples for gooseneck chassis for details of application.

Selection table / available versions

A (mm)	B (mm)	C (mm)	Weight (kg)	Order No.	Drawing No.
350	220	160	35.4	F 02 EINZ.	905.172.100
310	180	120	34.4	F 02 EINZ.002	905.438.100

Spare parts

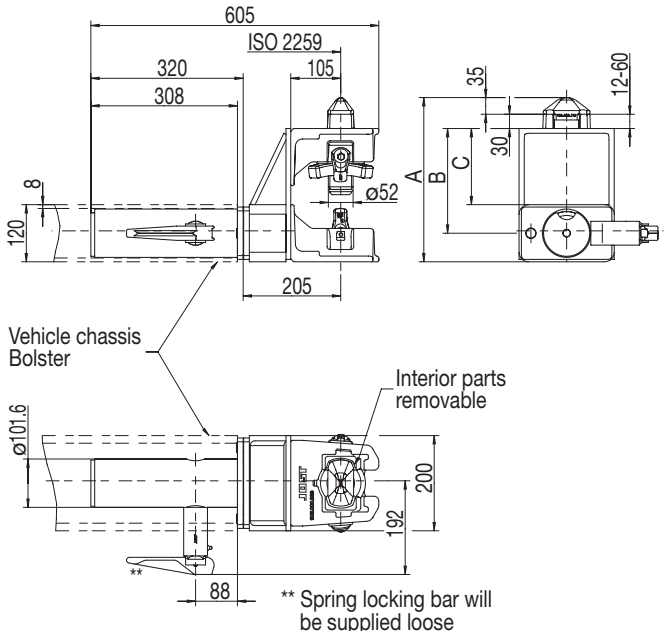


Item	Description	F 02 EINZ	F 02 EINZ.002
1	Housing	905.172.400	905.438.400
2	Locking pin	915.000.213	915.000.213
6	Locking nut	915.000.088	915.000.088
7	Locking ring	915.000.187	915.000.187
15	Bearing	905.172.200	905.172.200
16	Spring locking bar	641.120.000	641.120.000

Spare parts kit

Item	Description	Order No.
10, 11, 12	Latch kit	905.159.500

FD 02 DOPP



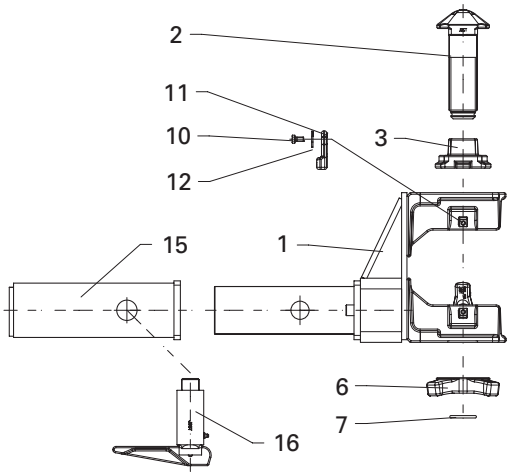
Bolster dimension used: 200 x 120 x 8
rec. gross container weight: max. 34.000 kg
Locking pin: ø 52 mm [ISO]
Twist lock interior parts: like FD 02 SK-R
can be clamped, turned and adjusted in height
Bearing raw, housing primed, mounting parts galvanised

Use:
FD 02 DOPP. - Container chassis pursuant to EN 452 for transporting 40' containers with and without a tunnel
FD 02 DOPP02 - Gooseneck chassis for transporting standard and gooseneck containers. See the installation examples for gooseneck chassis for details of application.

Selection table / available versions

A (mm)	B (mm)	C (mm)	Weight (kg)	Order No.	Drawing No.
345	220	160	43.2	FD 02 DOPP.	905.172.000
305	180	120	42.2	FD 02 DOPP02	905.438.000

Spare parts

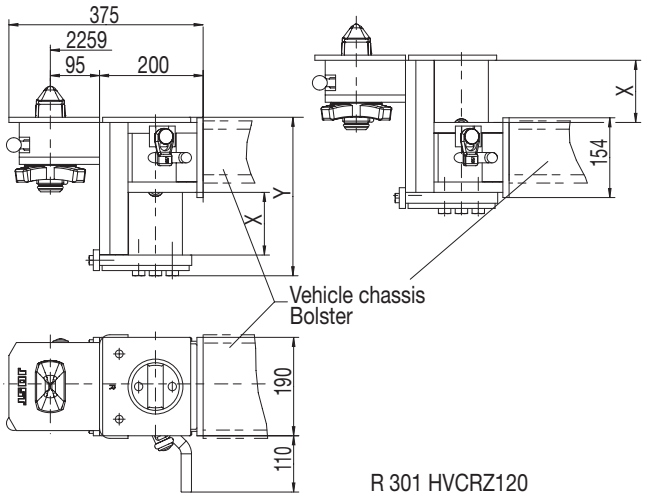


Item	Description	FD 02 DOPP.	FD 02 DOPP02
1	Housing	905.172.300	905.438.300
2	Locking pin	915.000.213	915.000.213
3	Guide bush	915.000.217	915.000.217
6	Locking nut	915.000.088	915.000.088
7	Locking ring	915.000.187	915.000.187
15	Bearing	905.172.200	905.172.200
16	Spring locking bar	641.120.000	641.120.000

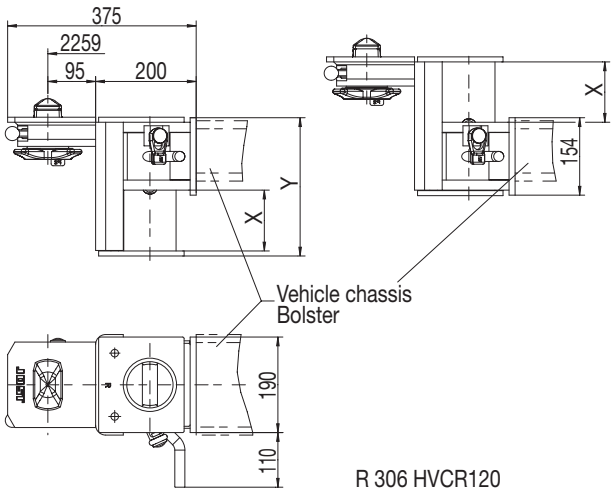
Spare parts kit

Item	Description	Order No.
10, 11, 12	Latch kit	905.159.500

HVC with locking kit



R 301 HVCRZ120



R 306 HVCR120

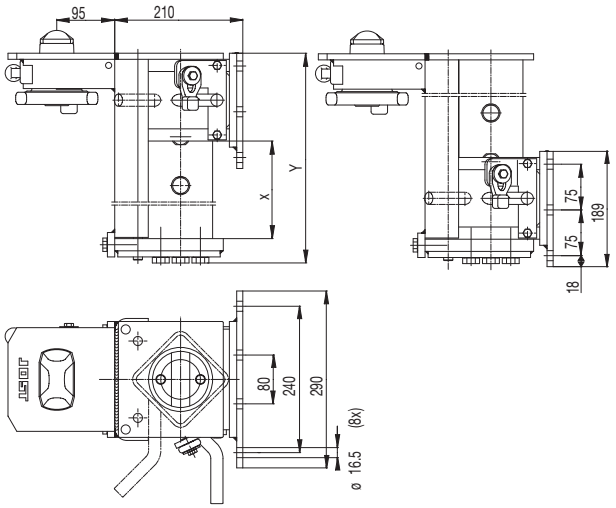
Fit suitable centre supports on vehicle to provide vertical load support for the entire weight of the container.

Selection table / available versions

X (mm)	Y (mm)	Twist lock	Weight (kg)	Application	HVC demountable	Height adjustment	Order No.	Drawing No.
100	236	R 306 VA	35.6	W	no	simple	R 306 HVCR100	905.704.010
100	236	R 306 VA	35.6	W	no	simple	R 306 HVCL100	905.704.020
120	306	R 301 VA	49.0	C	yes	simple	R 301 HVCRZ120	905.579.010
120	306	R 301 VA	49.0	C	yes	simple	R 301 HVCLZ120	905.579.020
120	306	R 302 F	46.5	C	yes	simple	R 302 HVCRZ120	905.580.010
120	306	R 302 F	46.5	C	yes	simple	R 302 HVCLZ120	905.580.020
120	276	R 306 VA	37.7	W	no	simple	R 306 HVCR120	905.703.010
120	276	R 306 VA	37.7	W	no	simple	R 306 HVCL120	905.703.020
160	316	R 306 VA	39.9	W	no	simple	R 306 HVCR160	905.702.010
160	316	R 306 VA	39.9	W	no	simple	R 306 HVCL160	905.702.020
200	356	R 306 VA	41.4	W	no	simple	R 306 HVCR200	905.702.010
200	356	R 306 VA	41.4	W	no	simple	R 306 HVCL200	905.702.020
250	406	R 306 VA	43.4	W	no	simple	R 306 HVCR250	905.702.010
250	406	R 306 VA	43.4	W	no	simple	R 306 HVCL250	905.702.020
120/220/335	487	–	38.0	W	no	mutiple	HVC-001 R	905.508.010
120/220/335	487	–	38.0	W	no	mutiple	HVC-001 L	905.508.020
120/240	396	–	33.2	W	no	mutiple	HVC-002 R	905.590.010
120/240	396	–	33.2	W	no	mutiple	HVC-002 L	905.590.020

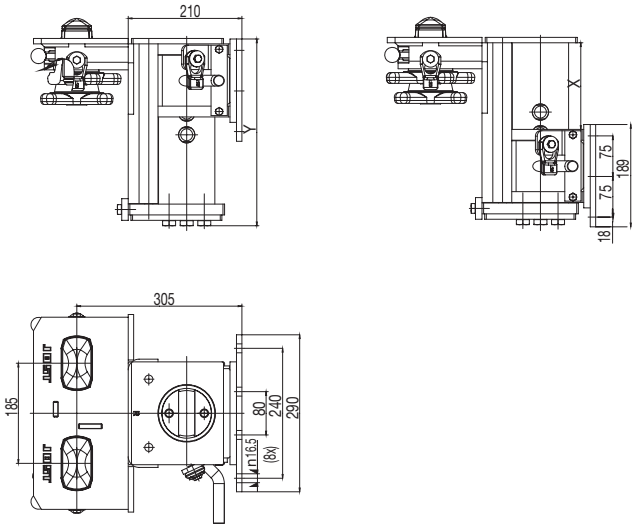
C = container chassis maximum gross weight of the swap body max. 34 t;
W = intermodal vehicle / trailer maximum gross weight of the swap body max. 18 t
All HVS are available individually without locking kit.

HVC with locking kit



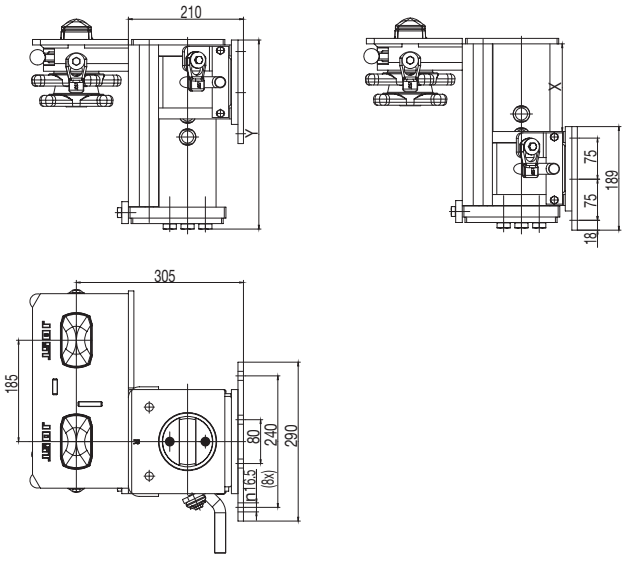
HVC (dismountable), completely ready-for-assembly with twist lock R 305 VA and back plate
Hot-dip galvanised housing
mounting parts galvanised, mounted
Application: Intermodal vehicle / trailer

X	Y	Weight (kg)	Order No.	Drawing No.
120	304	48.9	R 305HVCRZ120	905.639.010
120	304	48.9	R 305HVCLZ120	905.639.020
160	344	49.7	R 305HVCRZ160	905.648.010
160	344	49.7	R 305HVCLZ160	905.648.020
200	384	51.2	R 305HVCRZ200	905.648.010
200	384	51.2	R 305HVCLZ200	905.648.020



HVC (dismountable), completely ready-for-assembly with symmetric mounted double twist lock R 305 VA and back plate
Hot-dip galvanised housing
Mounting parts galvanised, mounted
Application: Intermodal vehicle / trailer for transport of swap bodies C745 and C782

X	Y	Weight (kg)	Order No.	Drawing No.
120	304	60.9	R 305HVCRZ12D	905.720.010
120	304	60.9	R 305HVCLZ12D	905.720.020
160	344	63.1	R 305HVCRZ16D	905.725.010
160	344	63.1	R 305HVCLZ16D	905.725.020
200	384	64.6	R 305HVCRZ20D	905.725.010
200	384	64.6	R 305HVCLZ20D	905.725.020

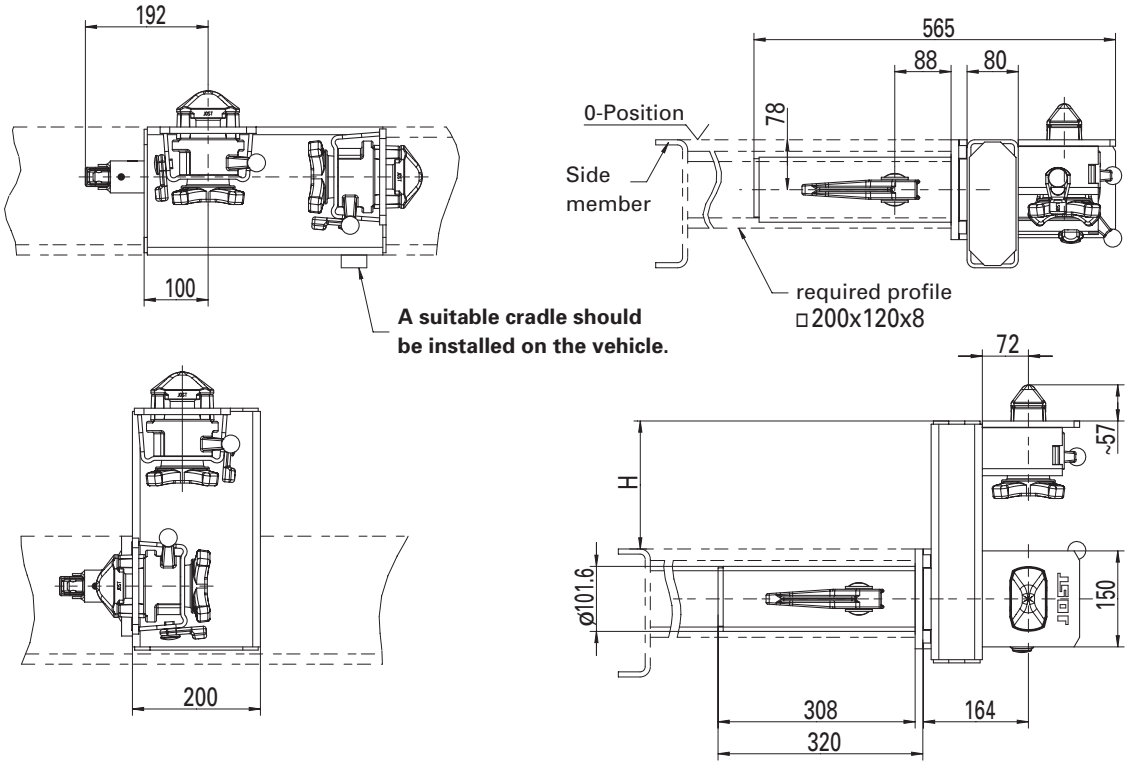


HVC (dismountable), completely ready-for-assembly with asymmetric mounted double twist lock R 305 VA and back plate
Hot-dip galvanised housing
Mounting parts galvanised, mounted
Application: Intermodal vehicle / trailer for transport of swap bodies C745 and C782

X	Y	Weight (kg)	Order No.	Drawing No.
120	304	61.2	R 305HVCRZ12LD	905.720.012
120	304	61.2	R 305HVCLZ12RD	905.720.021
160	344	63.4	R 305HVCRZ16LD	905.725.012
160	344	63.4	R 305HVCLZ16RD	905.725.021
200	384	65.0	R 305HVCRZ20LD	905.725.012
200	384	65.0	R 305HVCLZ20RD	905.725.021

Appropriate central support for vertical load transmission of the gross container weight has to be assembled on the vehicle side.

R 316 ZWEI



multiple height adjustment
Application: Intermodal vehicle / trailer
with different parking heights (jumbo containers)
maximum gross container weight 16.000 kg

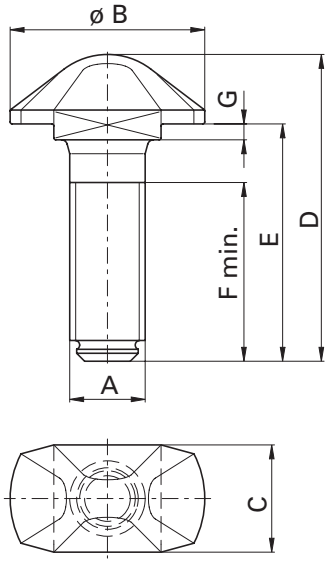
Fit suitable centre supports on vehicle to provide vertical load support for the entire weight of the container.

Selection table / available versions

Versions	Height adjustment H1 - H2	Weight (kg)	Order No.	Drawing No.
left	0 - 200	42.9	R 316 ZWEI 07 L	905.607.020-07
right	0 - 200	42.9	R 316 ZWEI 07 R	905.607.010-07
left	0 - 250	44.2	R 316 ZWEI 08 L	905.607.020-08
right	0 - 250	44.2	R 316 ZWEI 08 R	905.607.010-08
left	0 - 300	45.4	R 316 ZWEI 06 L	905.607.020-06
right	0 - 300	45.4	R 316 ZWEI 06 R	905.607.010-06

Design R316 THREE with triple height adjustment on request.

Locking pin with thread limited by a ring



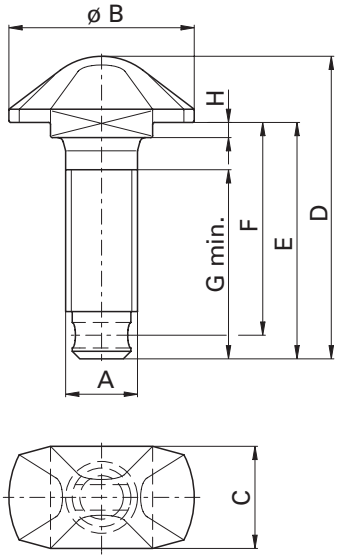
Selection table / available versions

Application	A (mm)	ø B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Order No.
TL 2009	TR36x6	100	57	136	104	85	7	905.000.910*
TL 1018 K, TL 1019 K, TL 2006, TL 2030	TR36x6	100	57	146	114	95	7	905.000.904*
R 406 VAK, R 407 VAK, QT 160-6, QT 166-80	TR38x4	98	54	121	100	77	8	915.000.289
F 17 SKA, TL 2009 G	TR38x4	98	54	125	90	74	8	915.000.193
R 306 VAV-VH, R 406 VAK-C, QT 206 V-C	TR38x4	98	54	136	114	65	18	915.000.327
F 10 SK-R, R 411 VAK-R, VA 11 SK	TR38x4	76	40	152	122	96	6	915.000.252
R 414 F, R 434 F, VA 16 SNK, R 416 VAK, R 316 VAP, R 436 VAK, VA 36 SK, R 1018, SR 514 FQ, SR 516 VAQ	TR38x4	98	54	155	120	90	8	915.000.137
F 14 SK-R	TR38x4	98	54	185	150	110	8	915.000.250
HV 120V	TR38x4	98	54	315	280	90	8	915.000.353
R 405 VAN	TR52x5	98	54	107	85	62	8	915.000.314
R 405 VAK, R 305 VAP, QT 160, QT 160-80, QT 200	TR52x5	98	54	123	102	79	12	915.000.276
R 404 VAK, R 312 VA, R 313 F	TR52x5	98	54	153	118	90	12	915.000.189
FD 02 SKN-R	TR52x5	98	54	184	149	115	12	915.000.335
FD 02 SK-R, F 02 SK-R, R 402 F-R, VA 01 SK, R 401 VAK, SR 502 FQ, SR 501 VAQ, QT 401 VAV, QT 402 FV	TR52x5	98	54	204	169	111	12	915.000.213
Adapter kit 917.437.500	TR52x5	98	54	345	310	280	12	915.000.318

** Lock by Clamping pin 6x36.*

Note: Always replace locking ring after dismantling locking pin.

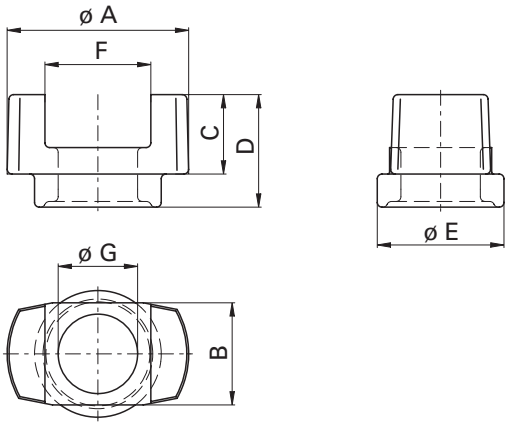
Locking pin with thread limited by a toggle



Selection table / available versions

Application	A (mm)	ø B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Order No.
TL 1018, TL 1019	TR36x6	100	57	223	191	180	163	7	915.000.900
F 14 SK-KN	TR38x4	98	54	205	170	158	100	8	915.000.138
F 02 SK-KN, FD 02 SK-KN	TR52x5	98	54	225	190	173	167	12	915.000.051
R 403 F	TR52x5	98	54	235	195	182	110	12	915.000.359

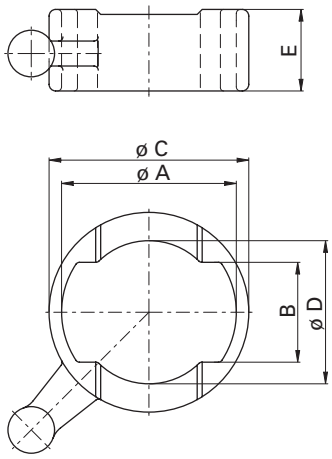
Guide bush



Selection table / available versions

Application	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	ø G (mm)	Order No.
R 404 VAK	100	57	28	49	84	57	53	915.000.109
R 411 VAK, VA 11 SK	80	42	24	39	70	42	40	915.000.125
VA 01 SK, R 401 VAK, SR 501 VAQ, QT 401 VAV	100	57	42	83	84	57	53	915.000.161
VA 16 SNK, R 416 VAK, R 316 VAP, VA 36 SK, R 436 VAK, R 1018, SR 516 VAQ	98	56	42	60	67	57	40	915.000.178
R 405 VAK, QT 160, QT 160-80, QT 200	100	57	29	39	84	57	53	915.000.273
R 406 VAK, R 407 VAK, QT 160-6, QT 166-80	100	57	29	39	84	57	40	915.000.288
TL 1018 I	100	57/62	23	45	-	59	38	915.000.902
TL 1018	100	57	-	40	-	59	38	915.000.911
R 312 VA	100	65	39	57	76	57	53	915.000.322

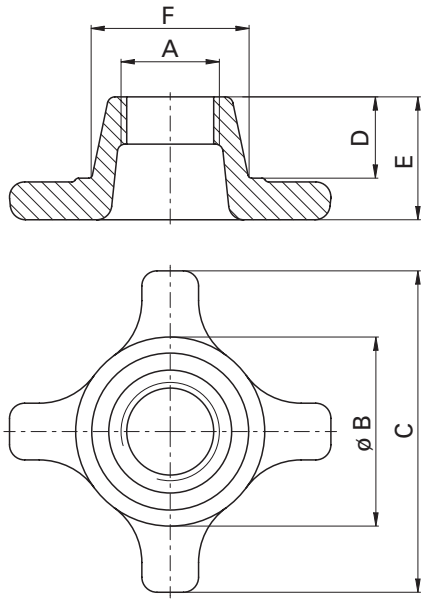
Outer bush



Selection table / available versions

Application	A (mm)	B (mm)	ø C (mm)	ø D (mm)	E (mm)	Order No.
R 404 VAK	105	60	120	86	49	915.000.108
R 411 VAK, VA 11 SK	81	43	98	71	39	915.000.126
VA 01 SK, R 401 VAK, SR 501 VAQ, QT 401 VAV	105	60	120	86	65	915.000.160
VA 16 SNK, R 416 VAK, R 316 VAP, VA 36 SK, R 436 VAK, SR 516 VAQ	100	58	112	69	58	915.000.177
R 405 VAK, QT 160, QT 160-80, QT 200, R 406 VAK, R 407 VAK, QT 160-6, QT 166-80	105	60	120	86	39	915.000.274
R 1018	100	58	112	69	60	915.000.319
R 312 VA	102	52	112	78	58	915.000.324

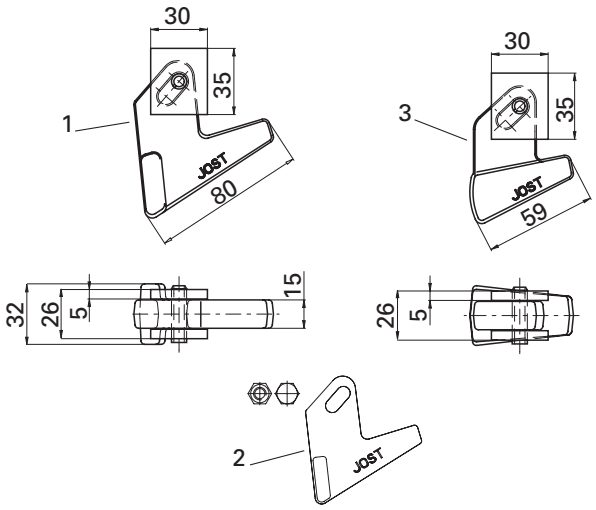
Locking nut



Selection table / available versions

Application	A (mm)	ø B (mm)	C (mm)	D (mm)	E (mm)	ø F (mm)	Order No.
TL 1018, TL 1019	TR36x6	77	145	67	90	66	915.000.901
TL 2030	TR36x6	72	130	22	40	56	905.000.907
TL 2006	TR36x6	72	100	42	60	56	905.000.908
F 14 SK, F 10 SK	TR38x4	84	140	-	25	-	915.000.077
R 414 F, R 434 F, VA 16 SNK, R 416 VAK, R 316 VAP, R 436 VAK, VA 36 SK, R 1018, SR 514 FQ, SR 516 VAQ	TR38x4	84	140	57	82	67	915.000.127
F 17 SKA, R 407 VAK, R 411 VAK-R, VA 11 SK	TR38x4	84	130	40	65	53	915.000.208
R 406 VAK, QT 160-6, QT 166-80, HV 120V	TR38x4	100	170	43	65	83	915.000.303
SR 516 VAQ-N	TR38x4	84	140	57	67	67	915.000.277
VA 01 SK, R 401 VAK, R 404 VAK, QT 401 VAV	TR52x5	100	170	46	75	83	915.000.072
F 02 SK, R 402 F, FD 02 SK	TR52x5	100	170	-	29	-	915.000.088
R 405 VAK, R 305 VAP, QT 160, QT 160-80, QT 200	TR52x5	100	170	43	65	83	915.000.275
R 405 VAN	TR52x5	100	170	43	60	83	915.000.313
R 312 VA, R 313 F	TR52x5	84	140	57	82	76	915.000.323

Security latch with a short and a long front latch

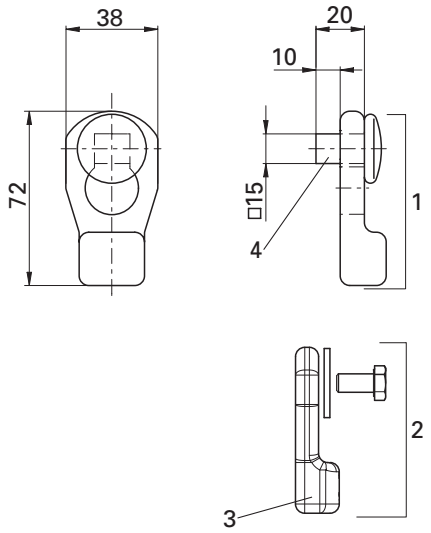


Application: To secure the clamp nuts on twist locks and bolsters to prevent their being released accidentally.

Selection table / available versions

Item	Versions	Weight (kg)	Order No.
1	long front latch with holder	0.5	905.396.000
2	long front latch screwable	0,5	905.396.500
3	short front latch with holder	0.4	905.320.000

Security latch standard

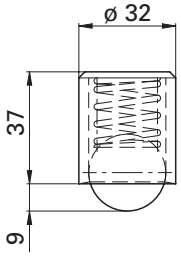


Application: To secure the clamp nuts on twist locks and bolsters to prevent their being released accidentally. Suitable for all twist locks except F 10 SK, R 411 VAK, R 316 VAP and R 306 VAP.
Material: Steel

Selection table / available versions

Item	Versions	Weight (kg)	Order No.
1	Weldable, complete	0.25	905.159.000
2	Latch, complete	0.25	905.159.500
3	Pin	0.15	915.159.001
4	Screwable	0.10	905.159.002

Ball lock



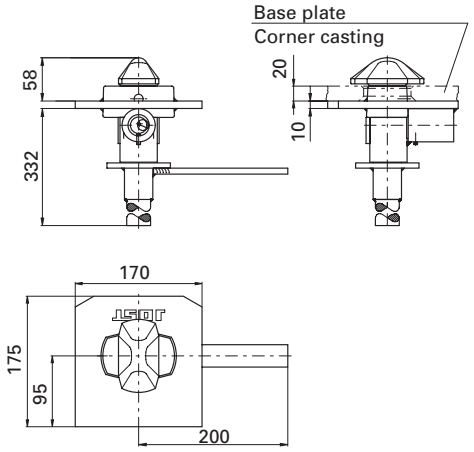
Application: To secure the clamp nuts on twist locks and bolsters to prevent their being released accidentally. Suitable for all twist locks F 10 SK, R 411 VAK, R 316 VAP, R 305 VAP and comparable versions.

Selection table / available versions

Versions	Weight (kg)	Order No.
Steel	0.1	905.000.143

Anti-theft lock DS 300

The anti-theft lock is used to secure swap bodies. It works by inserting the anti-theft lock into the twist lock opening in the corner casting.



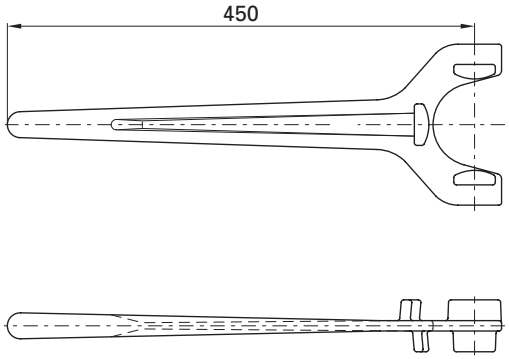
Housing: Steel construction (primed)
Locking pin: ø 38 mm [ISO]
Lock: Quality cylinder lock, protected from dust and water, for normal locking and locking systems.
Notes: Quote the code number for ordering additional keys or cylinder locks for locking systems.

Selection table / available versions

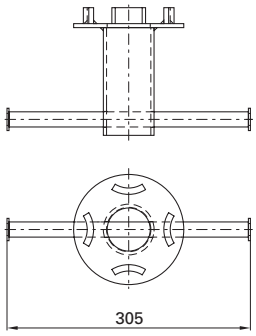
Weight (kg)	Order No.	Drawing No.
7.0	DS 300	905.406.000

Spanner for twist locks

The clamp nuts are released and tightened using the spanner.



Type Universal
Designed to secure all locks except type R 305 VAP / R 316 VAP.



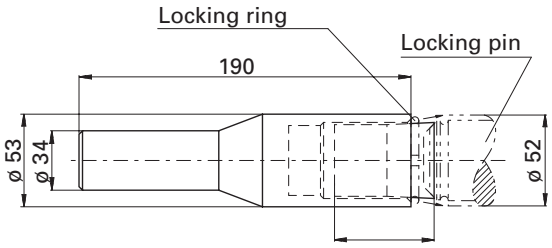
Type KH

Selection table / available versions

Application	Weight (kg)	Order No.
R 305 VAP (Type KH)	2.4	915.472.000
R 316 VAP (Type KH)	2.4	915.089.000
all others (Type Universal)	2.7	915.259.000

Installation tool for locking rings

The installation tools are used to install the locking rings for container twist locks.

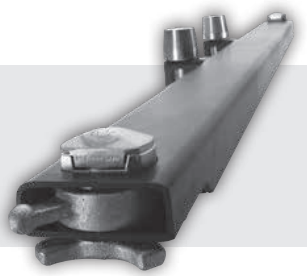


MW 52 for locking pin ø 52

Selection table / available versions

Application	Weight (kg)	Order No.
Locking pin ø 52	2.1	905.001.000
Locking pin ø 38	1.7	905.002.000

Bolsters



Flexibility, compatibility, stability and safety are the basic parameters for a future-oriented motor pool. JOST ensures that these parameters can be satisfied with its international quality standards and a global sales and after sales service network.

Bolters with integrated twist locks connect containers to the carrier vehicle. The twist locks must always be used as set out in the instructions in the operating manual for the relevant vehicle. In Germany you must comply with the TÜV regulations and the Road Traffic Act StVZO, as well as the existing standards.

Load details for twist locks and bolsters

The basis for the load details is provided by static test bench tests that comply with the JOST testing standard.

The details for the maximum gross container weight only apply:
- For securing and transporting standard containers, such as freight containers that comply with ISO 1496, interchangeable containers that comply with EN 284 or EN 452 or directly comparable versions.
- If at least four twist locks of the same load group are used for each container.
- For almost uniform load distribution (load in the interchangeable container).
- For transport on metalled roads.

The details for the maximum gross container weight do not apply:
- To special applications, such as crane bodies, tipping containers, etc.

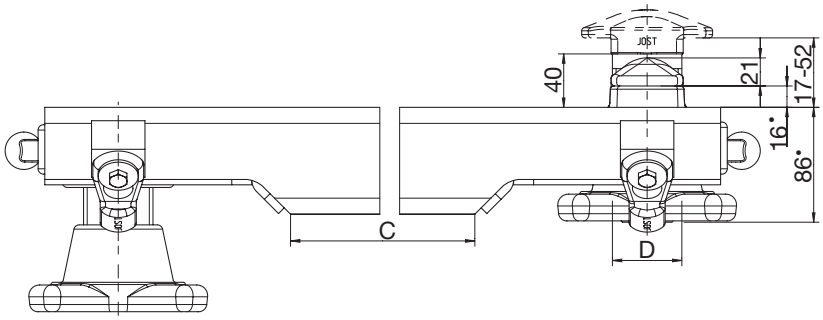
Product range of bolsters

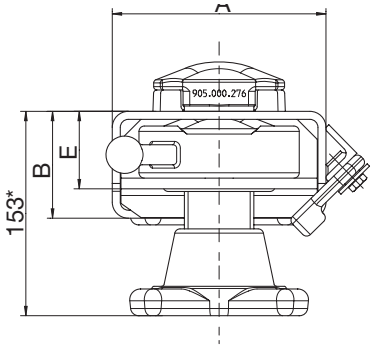
rec. gross container weight* max.(kg)	Twist lock retractable	Integrated guide roller	Containerchassis	Intermodal vehicle / trailer	Locking pin diameter (mm)	Inner parts identical with type of twist lock	Weight (kg)	Order No.	Drawing No.	Figure see page ...
18.000				•	ø 52	R 405 VAK	62.5	QT 160-80 V	410.150.000	88
		•		•	ø 52	R 405 VAK	74.8	QT 160-80 RV	410.151.000	90
				•	ø 38	R 406 VAK	61.1	QT 166-80 V	410.183.000	88
		•		•	ø 38	R 406 VAK	73.4	QT 166-80 RV	410.168.000	90
				•	ø 52	R 405 VAK	81.5	QT 200-60 V	410.201.000	88
		•		•	ø 52	R 405 VAK	96.5	QT 200-60 RV	410.202.000	90
	200			•	ø 38	R 416 VAK	110.8	QT HV 200	410.181.000	94
	120			•	ø 52	R 405 VAK	139.2	QT HV120-05	410.199.000	92
	150			•	ø 52	R 405 VAK	140.7	QT HV150-05	410.203.000	92
	200			•	ø 52	R 405 VAK	143.2	QT HV200-05	410.200.000	92
	120			•	ø 52	R 405 VAK	153	QT HV120 A	410.215.000	93
	150			•	ø 52	R 405 VAK	155	QT HV150 A	410.12.000	93
	200			•	ø 52	R 405 VAK	158.8	QT HV200 A	410.213.000	93
25.000				•	ø 52	R 405 VAK V	76.2	QT 200 V	410.081.000	80
		•		•	ø 52	R 405 VAK V	88.7	QT 200 RV	410.139.000	90
34.000			•				132.9	QT FB2004V	410.191.000	95
			•				72.0	QT FB45FT	410.140.000	97

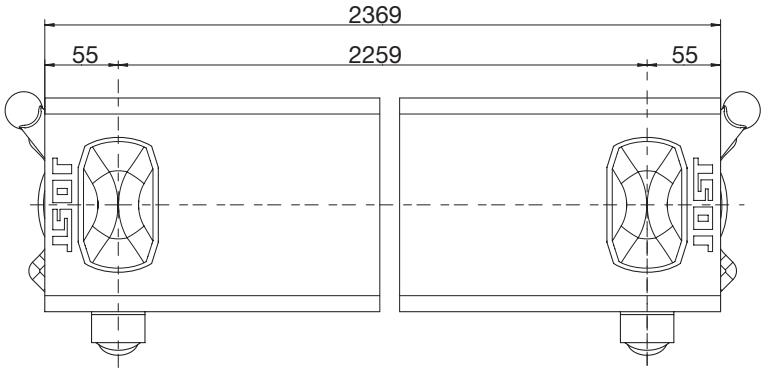
Information for the vehicle construction:
** Depends on the centre to centre distance between the longitudinal supports*
All bolsters are delivered unmounted.
All spare parts with item number 915.xxx.xxx are zinc-plated.
For replacement lock kit parts, see page 80.
For operating keys, see page 80.

Indications for mounting of the locking ring:
- *For the installation of the locking ring an appopriate tool has to be used.*
- *Intallation tool locking ring, please see page 85.*
- *The locking ring has principally to be replaced after dismantling the inner part of the twist lock.*

QT 160-80 V / QT 200 V / QT 200-60 V







Application: Intermodal vehicle
Rectangular tube, both ends flattened and closed internally

** Locking nut loose; screwed down = 123*

- Dimensions in position ready for mounting

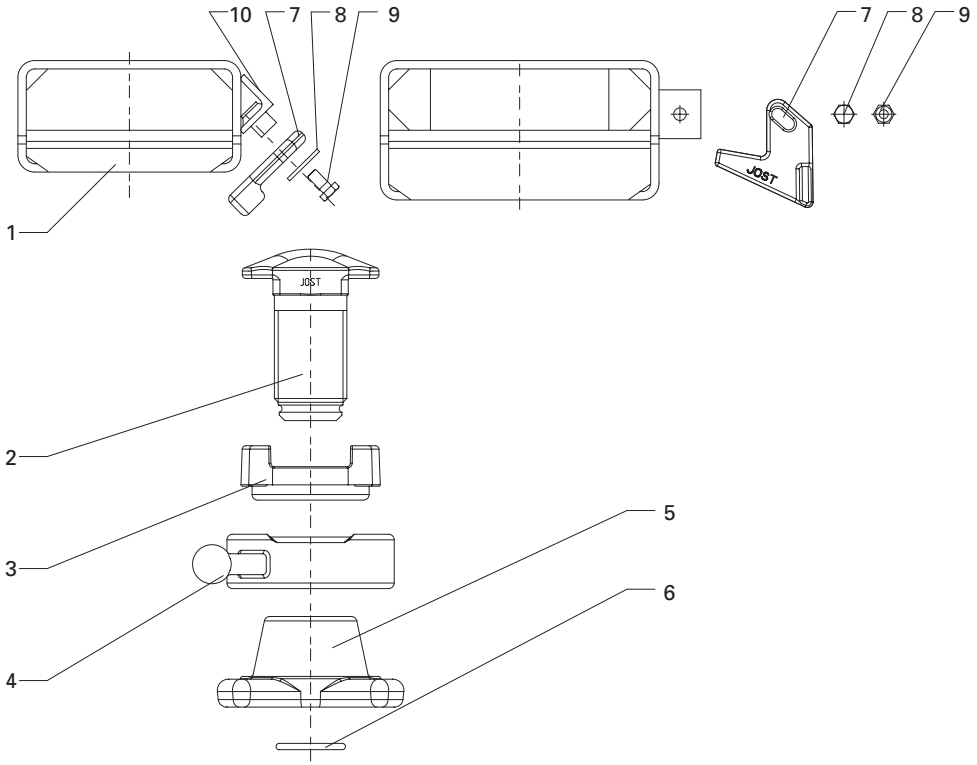
Selection table / available versions

Rec. gross container weight* (max. kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)	Surface bolsters	Inner parts identical with	Order No.	Drawing No.
18.000	160	80	ca. 2000	ø 52	58	62.5	primed	R 405 VAKV	QT 160-80 V	410.150.000
18.000	160	80	ca. 2000	ø 52	58	62.5	raw	R 405 VAKV	QT 160-80 VX	
18.000	160	80	ca. 2000	ø 38	58	61.1	primed	R 406 VAKV	QT 166-80 V	410.183.000
18.000	160	80	ca. 2000	ø 38	58	61.1	raw	R 406 VAKV	QT 166-80 VX	
25.000	200	100	ca. 1970	ø 52	58	76.2	primed	R 405 VAKV	QT 200 V	410.081.000
25.000	200	100	ca. 1970	ø 52	58	76.2	raw	R 405 VAKV	QT 200 VX	
18.000	200	60	2369	ø 52	60	81.5	primed	R 405 VAKV	QT 200-60 V	410.201.000

** Depends on the centre to centre distance between the longitudinal supports.*
All mounting parts galvanised, for surface bolsters see table.

QT 160-80 V / QT 200 V / QT 200-60 V

Spare parts

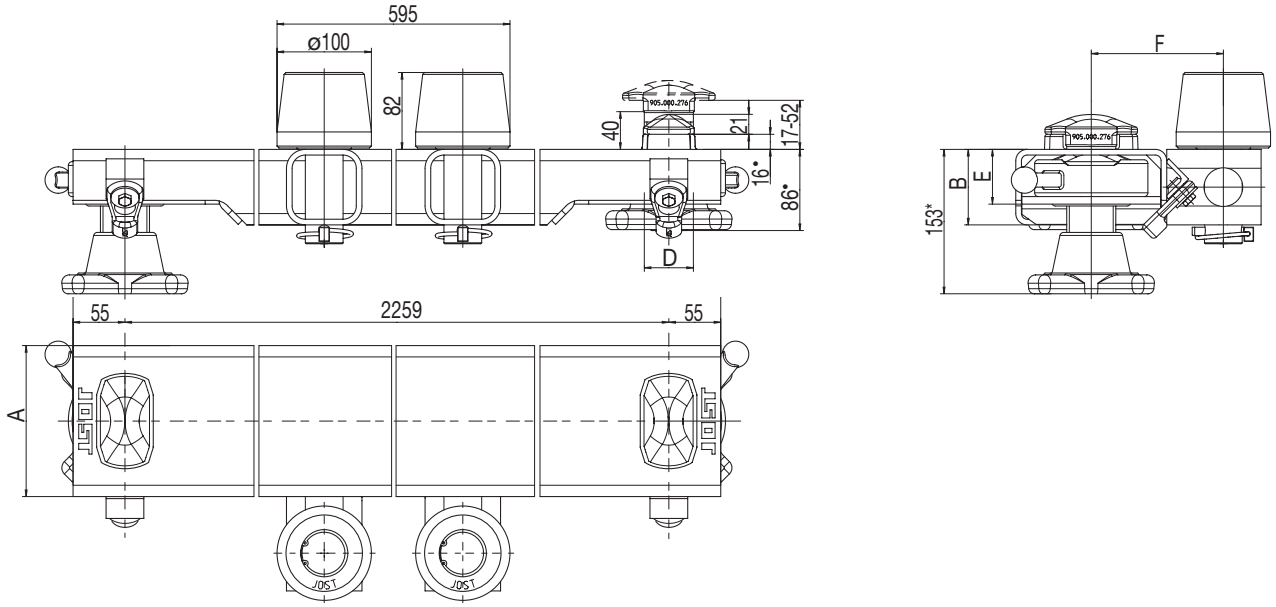


Item	Description	QT 160-80 V	QT 166-80 V	QT 200 V	QT 200-60 V
1	Bolsters	410.206.100	410.206.100	410.208.100	410.201.100
2	Locking pin	915.000.276	915.000.289	915.000.276	915.000.276
3	Guide bush	915.000.273	915.000.288	915.000.273	915.000.273
4	Outer bush	915.000.274	915.000.274	915.000.274	915.000.274
5	Locking nut	915.000.275	915.000.303	915.000.275	915.000.275
6	Locking ring	915.000.187	915.000.190	915.000.187	915.000.187
10	Welding bracket	410.173.200	410.173.200	–	–

Spare parts

Item	Description	QT 160-80 V	QT 166-80 V	QT 200 V	QT 200-60 V
7, 8, 9	Latch kit	905.159.500	905.159.500	905.396.500	905.396.500

QT 160-80 RV / QT 200 RV / QT 200-60 RV



Application: Intermodal vehicle
Rectangular tube, both ends flattened and closed internally

** Locking nut loose; screwed down = 123*

- Dimensions in position ready for mounting

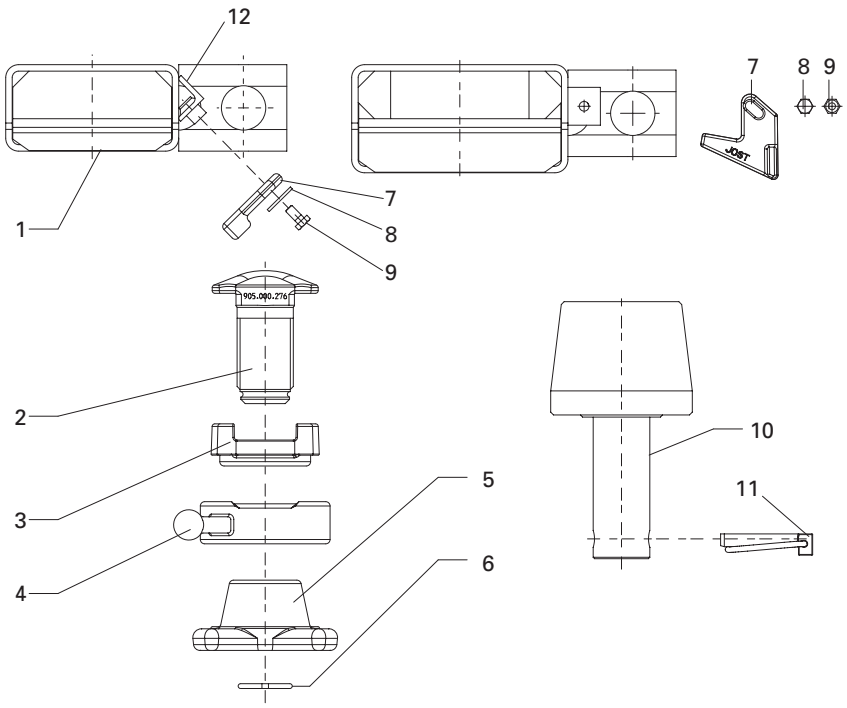
Selection table / available versions

Rec. gross container weight* (max. kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg)	Surface Bolsters	Inner parts identical with	Order No.	Drawing No.
18.000	160	80	ca. 2000	ø 52	58	140	74.8	primed	R 405 VAKV	QT 160-80 RV	410.151.000
18.000	160	80	ca. 2000	ø 52	58	140	74.8	raw	R 405 VAKV	QT 160-80 RVX	
18.000	160	80	ca. 2000	ø 38	58	140	73.4	primed	R 406 VAKV	QT 166-80 RV	410.168.000
18.000	160	80	ca. 2000	ø 38	58	140	73.4	raw	R 406 VAKV	QT 166-80 RVX	
25.000	200	100	ca. 1970	ø 52	58	160	88.7	primed	R 405 VAKV	QT 200 RV	410.139.000
25.000	200	100	ca. 1970	ø 52	58	160	88.7	raw	R 405 VAKV	QT 200 RVX	
18.000	200	60	2369	ø 52	60	160	96.5	primed	R 405 VAKV	QT 200-60 RV	410.202.000

** Depends on the centre to centre distance between the longitudinal supports.*
All mounting parts galvanised, for surface bolsters see table.

QT 160-80 RV / QT 200 RV / QT 200-60 RV

Spare parts

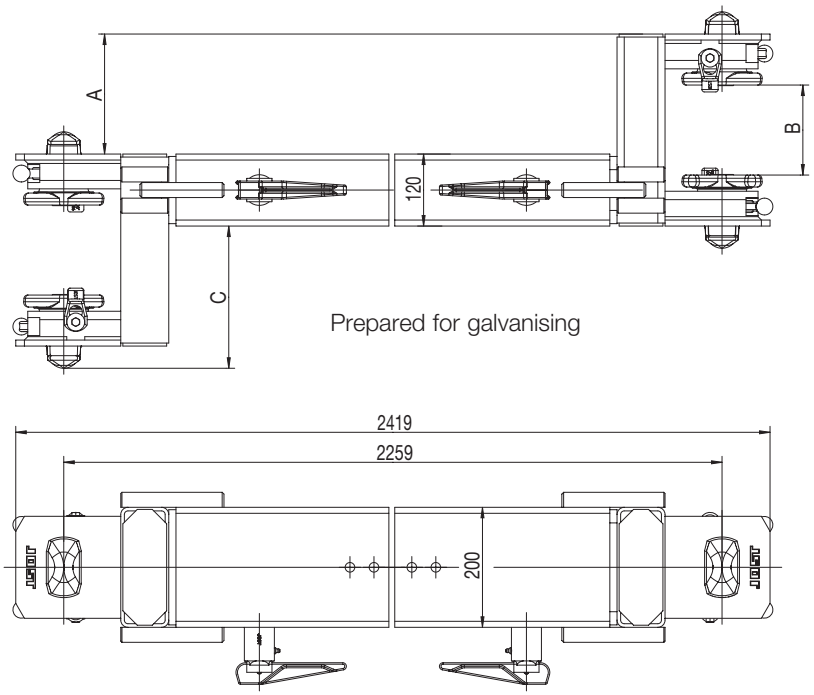


Item	Description	QT 160-80 RV	QT 166-80 RV	QT 200 RV	QT 200-60 RV
1	Bolsters	410.207.100	410.207.100	410.209.100	410.201.100
2	Locking pin	915.000.276	915.000.289	915.000.276	915.000.276
3	Guide bush	915.000.273	915.000.288	915.000.273	915.000.273
4	Outer bush	915.000.274	915.000.274	915.000.274	915.000.274
5	Locking nut	915.000.275	915.000.303	915.000.275	915.000.275
6	Locking ring	915.000.187	915.000.190	915.000.187	915.000.187
10	Guide roller	650.002.073	650.002.073	650.002.073	650.002.073
11	Folding pin	000.008.008	000.008.008	000.008.008	000.008.008
12	Welding bracket	410.173.200	410.173.200	–	–

Spare parts

Item	Description	QT 160-80 RV	QT 166-80 RV	QT 200 RV	QT 200-60 RV
7, 8, 9	Latch kit	905.159.500	905.159.500	905.396.500	905.396.500

QT HV



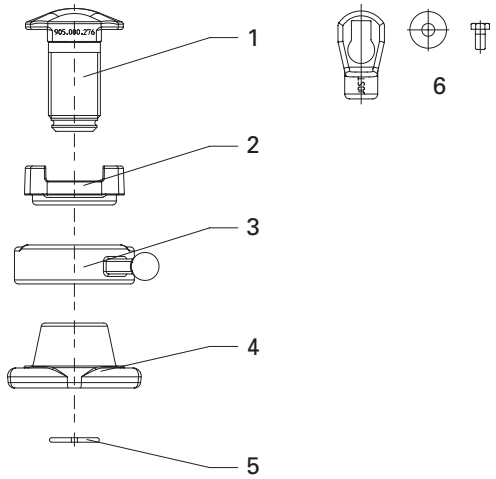
Secure cross-member correctly, as well as fitting suitable centre supports on vehicle to provide vertical load support for the entire weight of the container.

Selection table / available versions

Rec. gross container weight* (max. kg)	A (mm)	B (mm)	C (mm)	Weight (kg)	Inner parts identical with	Order No.	Drawing No.
18.000	120	70	157	139.2	R 405 VAK	QT HV120-05	410.199.000
18.000	150	100	187	140.7	R 405 VAK	QT HV150-05	410.203.000
18.000	200	150	237	143.2	R 405 VAK	QT HV200-05	410.200.000

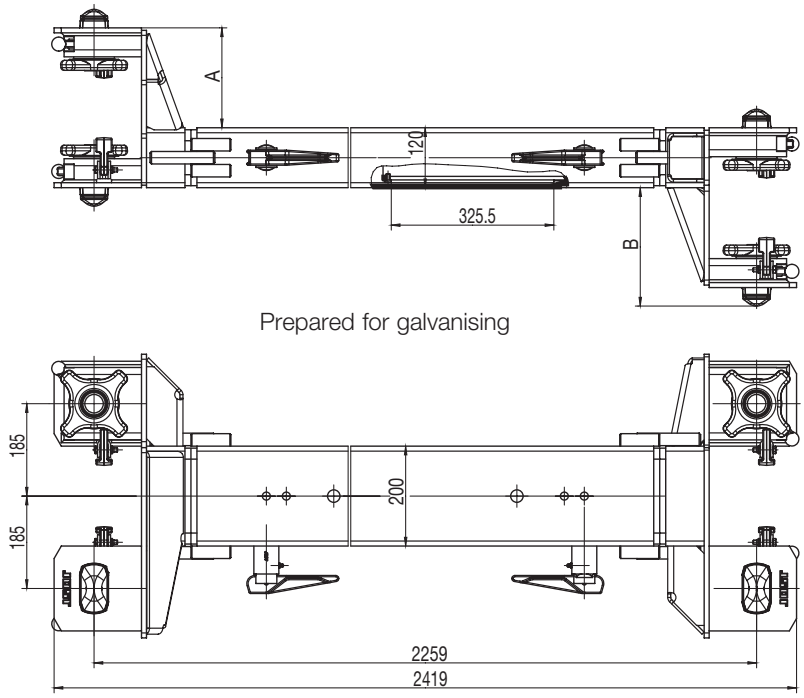
** Depends on the centre to centre distance between the longitudinal supports.*
Locking parts galvanised, welding assemblies primend, mounted

Spare parts



Item	Description	Order No.
1	Locking pin	915.000.276
2	Guide bush	915.000.273
3	Outer bush	915.000.274
4	Locking nut	915.000.275
5	Locking ring	915.000.187
6	Latch kit	905.159.500

QT HV



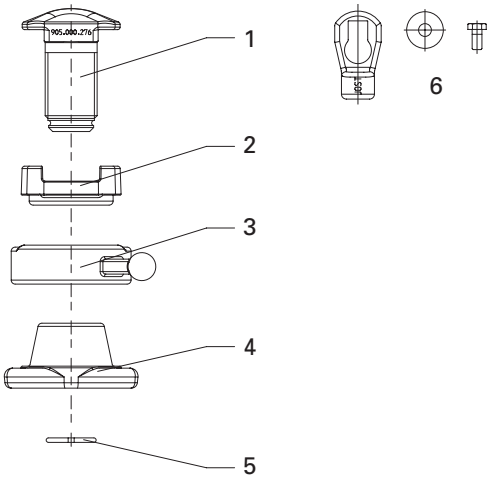
Secure cross-member correctly, as well as fitting suitable centre supports on vehicle to provide vertical load support for the entire weight of the container.

Selection table / available versions

Rec. gross container weight* (max. kg)	A (mm)	B (mm)	Weight (kg)	Inner parts identical with	Order No.	Drawing No.
18.000	120	157	153	R 405 VAK	QT HV120A	410.215.000
18.000	150	187	155	R 405 VAK	QT HV150A	410.212.000
18.000	200	237	158,5	R 405 VAK	QT HV200A	410.213.000

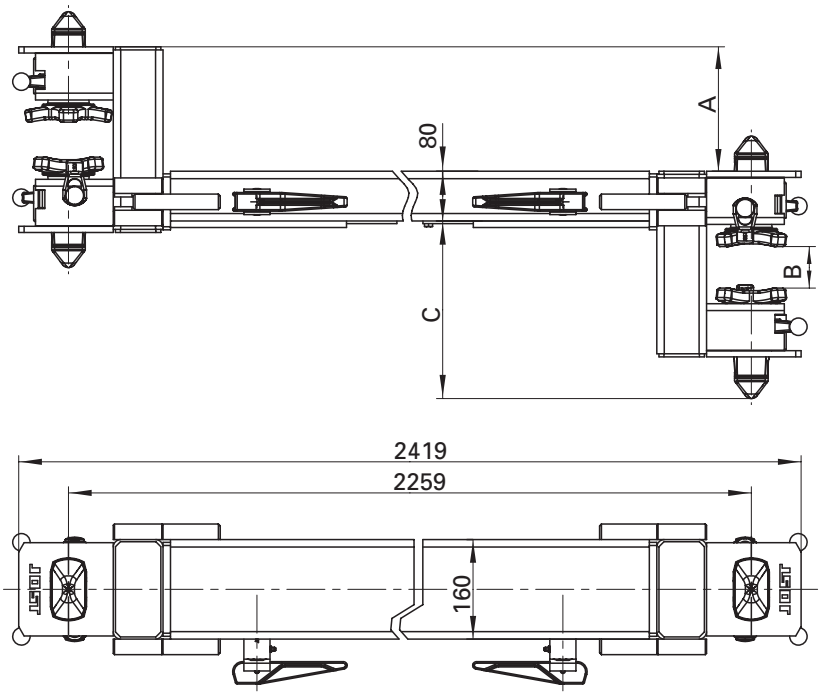
** Depends on the centre to centre distance between the longitudinal supports.*
Locking parts galvanised, welding assemblies raw, unmounted

Spare parts



Item	Description	Order No.
1	Locking pin	915.000.276
2	Guide bush	915.000.273
3	Outer bush	915.000.274
4	Locking nut	915.000.275
5	Locking ring	915.000.187
6	Latch kit	905.159.500

QT HV 200



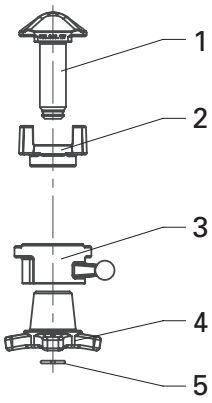
Secure cross-member correctly, as well as fitting suitable centre supports on vehicle to provide vertical load support for the entire weight of the container.

Selection table / available versions

Rec. gross container weight* (max. kg)	A (mm)	B (mm)	C (mm)	Weight (kg)	Inner parts identical with	Order No.	Drawing No.
18.000	200	67	285,5	110.8	VA 16	QT HV200	410.181.000

** Depends on the centre to centre distance between the longitudinal supports.*
Locking parts galvanised, welding assemblies primend, mounted

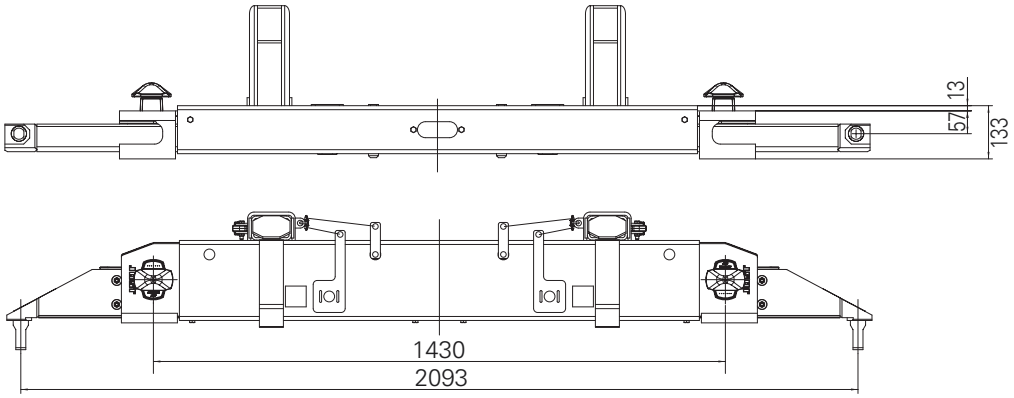
Spare parts



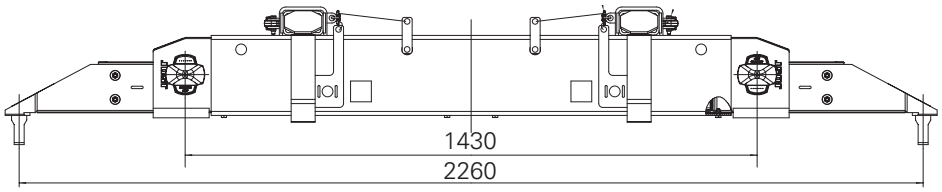
Item	Description	Order No.
1	Locking pin	915.000.137
2	Guide bush	915.000.178
3	Outer bush	915.000.177
4	Locking nut	915.000.127
5	Locking ring	915.000.190

QT FB2004V

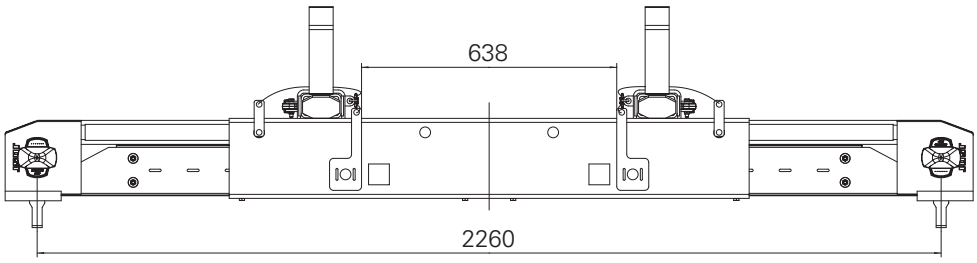
Adjustment for 45’ Euro containers



Adjustment for 40’ gooseneck containers



Adjustment for 20’ and 40’ flat bottom containers



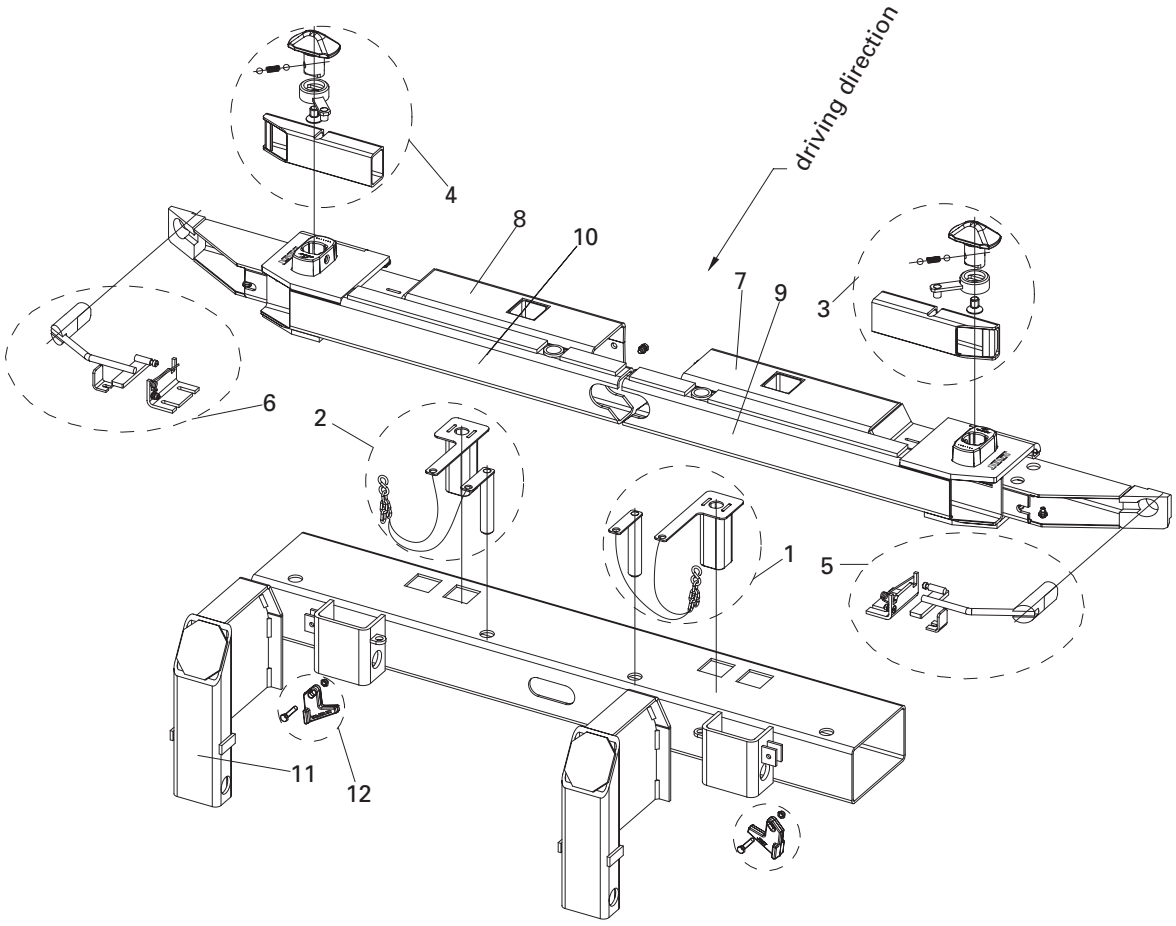
Application: Gooseneck chassis in frontal position
Suitable for transporting 45’ Euro containers in compliance with the maximum vehicle lengths of European Directive 96/56/EC.
Surface: Center section raw, stop and inserts hot-dip galvanised, mounting parts galvanised

Selection table / available versions

Weight (kg)	Order No.	Drawing No.
132.9	QT FB2004V	410.191.000

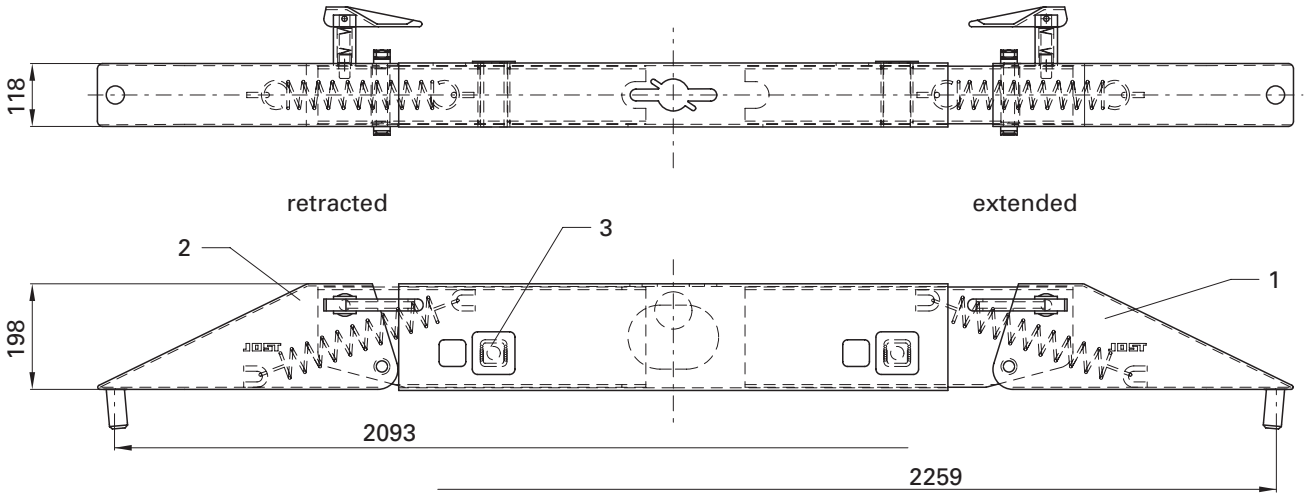
QT FB2004V

Spare parts



Item	Description	Order No.
1	Pin kit, left	410.197.001
2	Pin kit, right	410.197.002
3	Lock kit, left	410.197.003
4	Lock kit, right	410.197.004
5	Horizontal lock kit, left	410.197.005
6	Horizontal lock kit, right	410.197.006
2, 4, 6, 8, 10	Mounting parts kit QT FB2004V, right	417.195.910
1, 3, 5, 7, 9	Mounting parts kit QT FB2004V, left	417.195.920
11	Stop galv.	417.197.020
12	Nose latch, long, galv.	905.396.500

Winglock



Application: Gooseneck chassis in frontal position
Suitable for transporting 45' Euro containers in compliance with the maximum vehicle lengths of European Directive 96/56/EC.
Surface: compl. raw

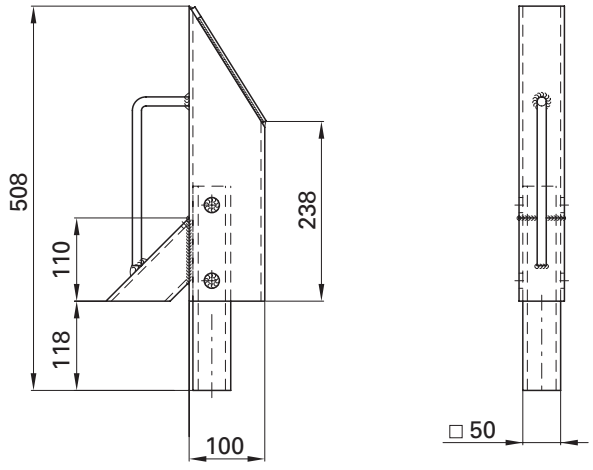
Selection table / available versions

Weight (kg)	Order No.	Drawing No.
72.0	QT FB45FT	410.140.000

Spare parts

Item	Description	Order No.
1	45'-Insert right	410.140.410
2	45'-Insert left	410.140.420
3	Pin, standard	410.140.300

Accessories



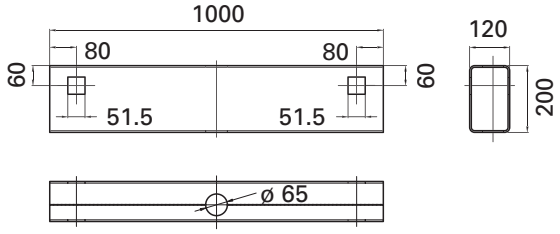
Stud for winglock

Application: Support tool for containers to replace the standard pins in the winglock.
Surface: hot-dip galvanised

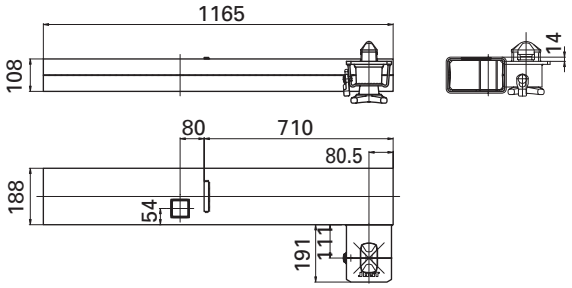
Selection table / available versions

Weight (kg)	Order No.	Drawing No.
7.0	410.140.500	410.140.500

Accessories



Center section



Insert right / left

Accessories for 40'position

Selection table / available versions

Weight (kg)	Order No.	Drawing No.
23.0	410.140.100	410.140.000

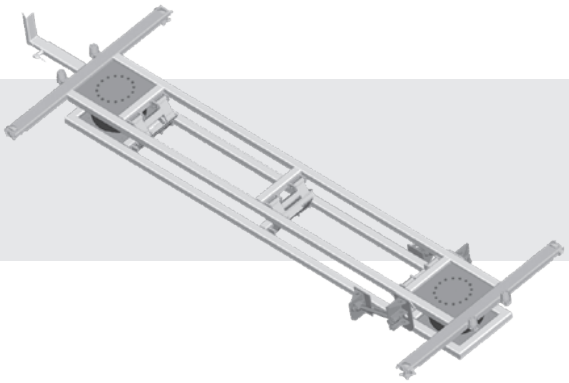
Surface: Center section raw and inserts raw, locking parts galvanised.

Accessories for 40'position

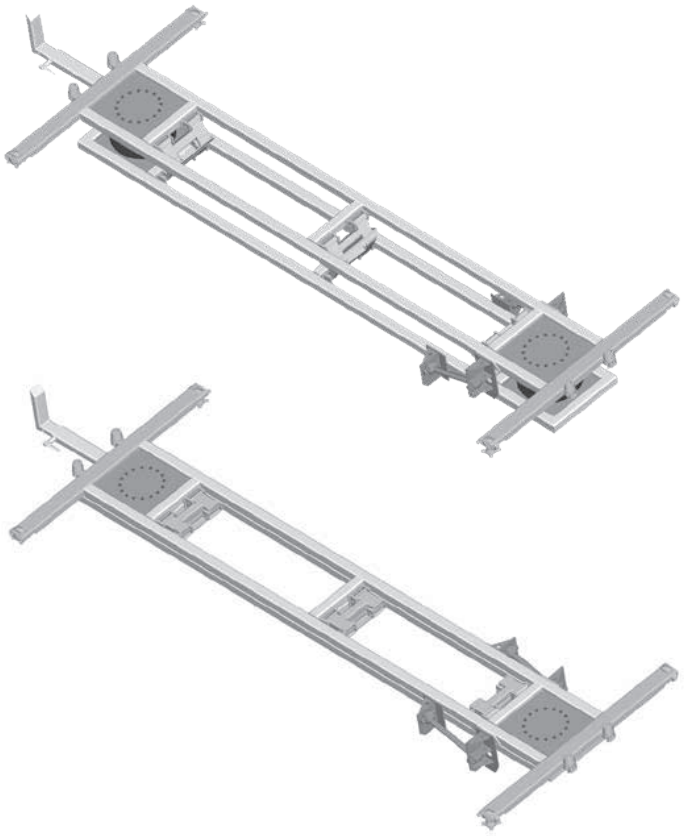
Selection table / available versions

Version	Weight (kg)	Order No.	Drawing No.
right	28.0	410.140.210	410.140.210
left	28.0	410.140.220	410.140.220

Lifting frame for swap bodies



Pneumatic lifting device for the fast, safe lifting and lowering of swap bodies.

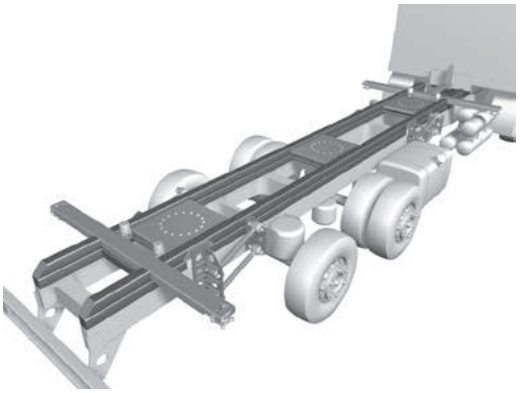


Construction kit for completion by vehicle construction Scope of delivery as in overview „Components for lifting frame 18300“ Control is optional

Economical
- Low purchase and operating costs
- Exclusive application of time-tested conventional components
- Saves time for changing and manoeuvring containers
- Changes can be made with ease even in constricted spaces

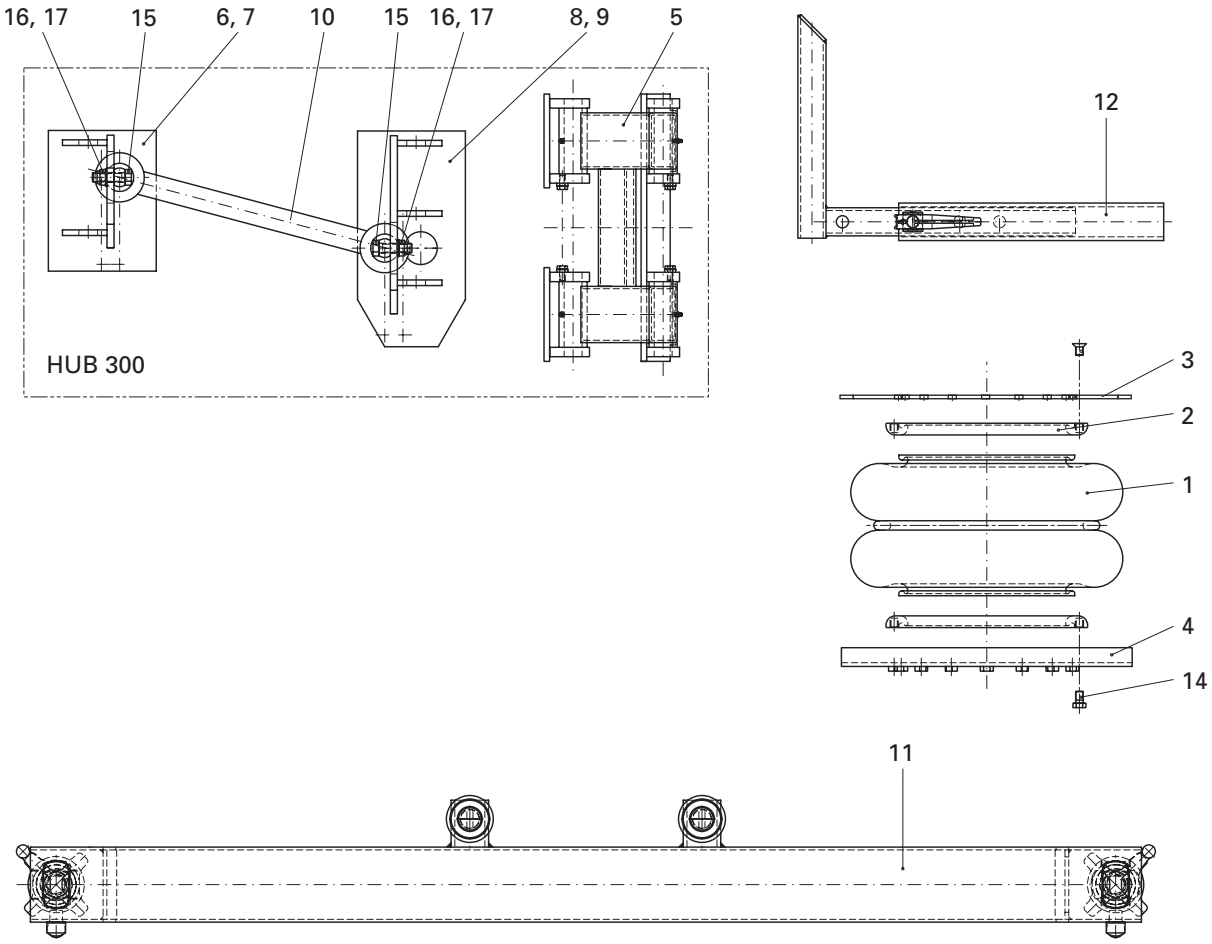
Safe
- Easy to use taking into account the safety requirements
- Container remains horizontal at all times during the lifting process regardless of the load distribution with an electronically controlled actuating system
- The container remains securely connected to the vehicle during the lifting process by means of the lifting frame
- The container is fully supported on the lifting frame
- Always driven in the lowest position

Environment friendly
- Sturdy and durable
- No hydraulic components
- Lower fuel consumption due to lower height for transporting



Universal
- 300 mm lifting height and a max. load capacity of 18 t at 7.5 bar ensure that almost all depositing and lifting heights can be handled
- Simple adjustment to the vehicle chassis by the variable arrangement of the basic components

Components for lifting frame HR 18300



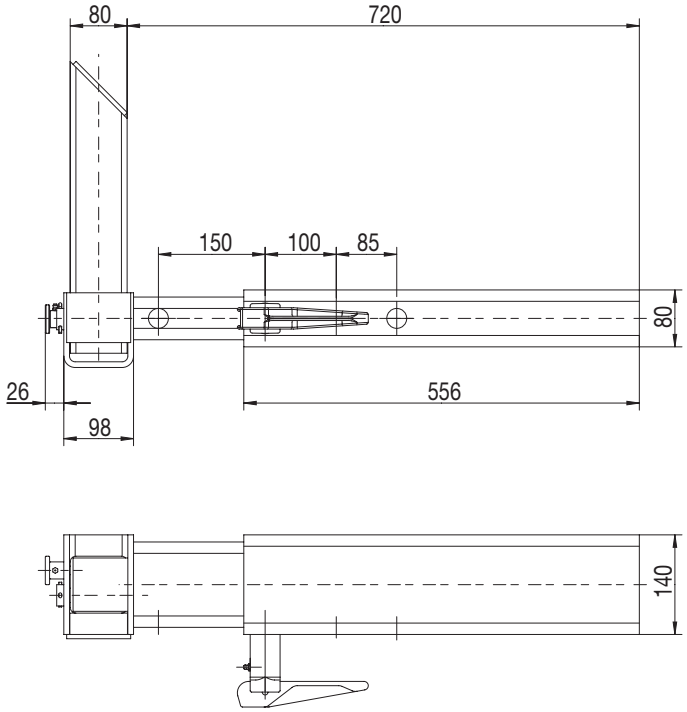
Irem	Designation	Order No.	Quantity
1	Pneumatic bellow	212.013.000	2
2	Bead ring	212.005.000	4
3	Lifting plate top	HR0000106	2
4	Lifting plate bottom	HR0000084	2
5	System element	HR0000189	3
6	Holder 1	HR0000059	1
7	Holder 2	HR0000060	1
8	Holder 3	HR0000113	1
9	Holder 4	HR0000114	1
10	Control arm	HR0000036	2
11	Bolster 160-80 RV	QT 160-80 RV	2
12	Stop 160 HR	ASW 160 HR	1
14	Hex bolt M16x25	000.001.002	64
15	Hex bolt M20x70	NT0005900	8
16	Hex nut M20	000.002.002	8
17	Washer A21	000.006.048	8

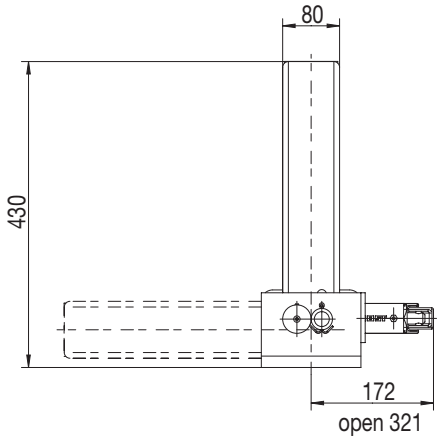
Optional

electronic system	HR STA1	1

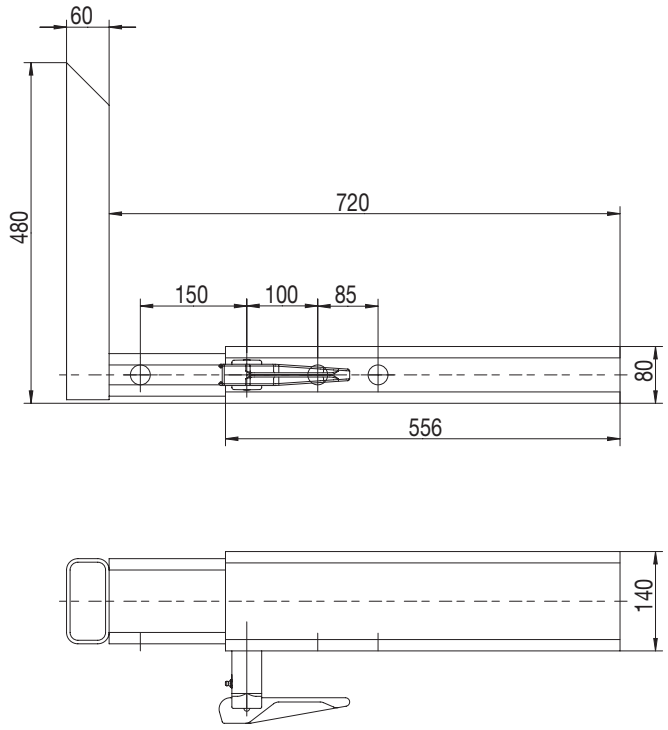
Stop

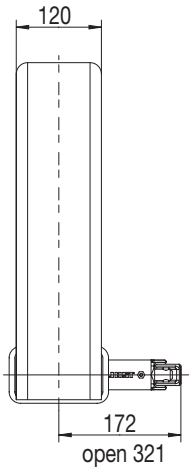
For positioning of the container in the direction of travel on the vehicle or trailer.





ASW 160





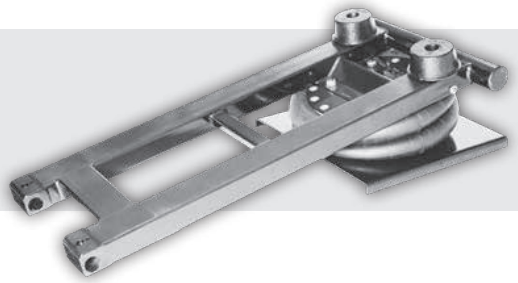
ASW 160 HR

Selection table / available versions

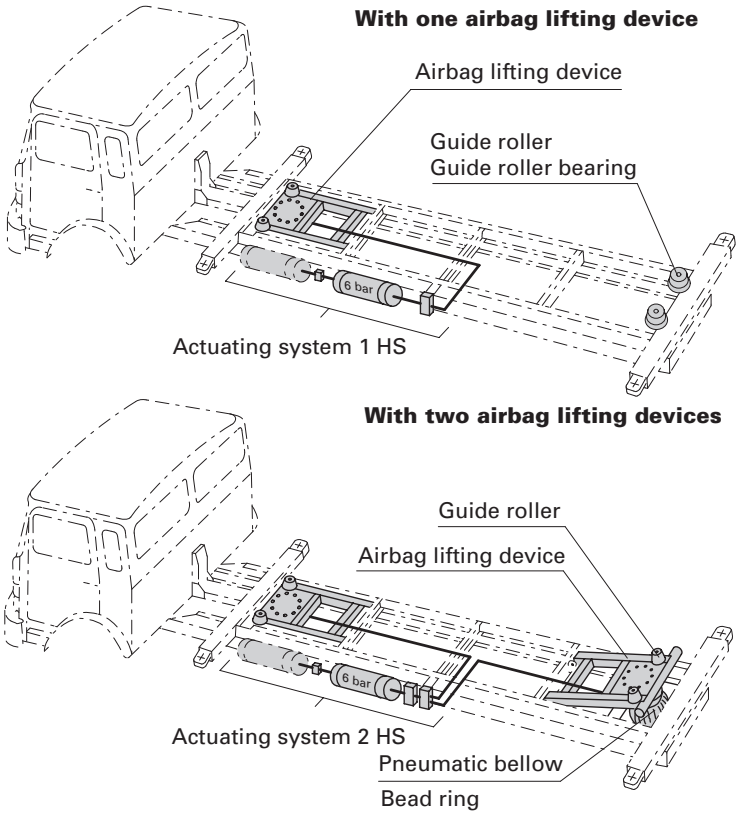
Model	Weight (kg)	Order No.	Drawing No.
folding	34.0	ASW 160	410.147.000
fixed	27.0	ASW 160 HR	410.152.000

Stop is delivered primed

Airbag lifting device



The vehicle body, with partial air suspension, consists of one airbag lifting device and a 1 HS actuating system; bodies with leaf springs have two airbag lifting devices and the 2 HS actuating system.



Principle of vehicle construction with airbag lifting device(s)

Product range of airbag lifting devices

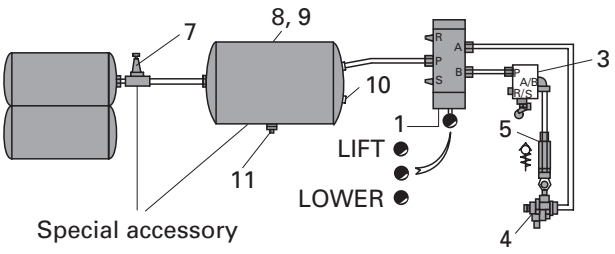
Lifting capacity* (kN)	Guide roller top	Guide roller side	Lifting (mm)	Overall length (mm)	Weight (kg)	Surface***	Order No.	Drawing No.	Figure see page ...
50	•		280	1288	100.0	G	HS 5000 EO	650.002.000	108
80 **	•		300	1560	146.0	G	HS 8000 EO	650.007.000	108
100	•		400	1605	160.0	G	HS 10000 EO	650.021.000	108
80 **	•		300	1545	169.0	G	HS 8000 EON	650.313.000	110
80 **		•	300	1570	134.0	G	HS 8000 ES	650.011.000	112
80 **		•	300	1570	134.0	FV	HS 8000 ES-05	650.011.000	112
100		•	400	1605	147.0	G	HS 10000 ES	650.017.000	112
50		•	280	1365	105.0	G	HS 5000 ESN	650.076.000	114
80 **		•	300	1560	160.0	G	HS 8000 ESN	650.014.000	114
80 **		•	300	1560	134.0	FV	HS 8000 ESN02***	650.014.000	114
80 **		•	300	1560	155.0	G	HS 8000 ESN04	650.310.000	116
80		•	300	1755	124.0	G	HS 8300 ES-W1	650.121.000	118

** at a pressure of 0.6 Mpa (6 bar)*
*** max.100 kN at a pressure of 0.8 Mpa (8 bar)*
**** Surface execution: G = raw, FV = frame hot-dip galvanised, subplate raw; mounting parts galvanised, chassis bearing raw*

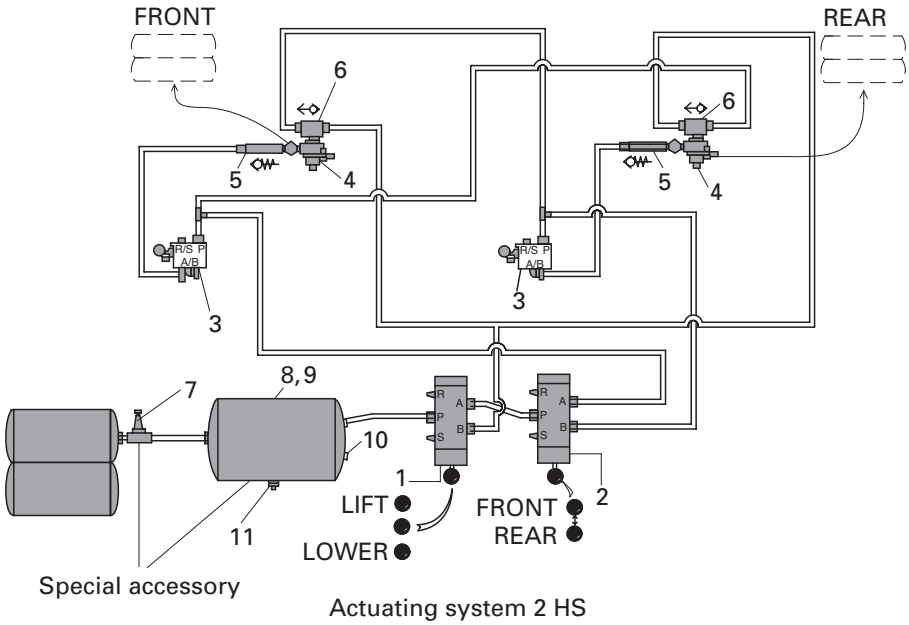
Note:
All airbag lifting devices are delivered pre-mounted. Free space of at least 15 mm around moving parts.
Special versions with other dimensions or surfaces are available on request.

Actuating system 1 HS and 2 HS

The 1 HS control system is designed to actuate one lifting device.
The 2 HS control system is designed to control two lifting devices.



Actuating system 1 HS



Actuating system 2 HS

Safety controller with spring reset, complies with the requirements of the professional association and the accident prevention regulations.

Note: With the 2 HS controller the bellows are ventilated alternately. Only one bellow can be ventilated at one time, the other vents automatically.

Selection table

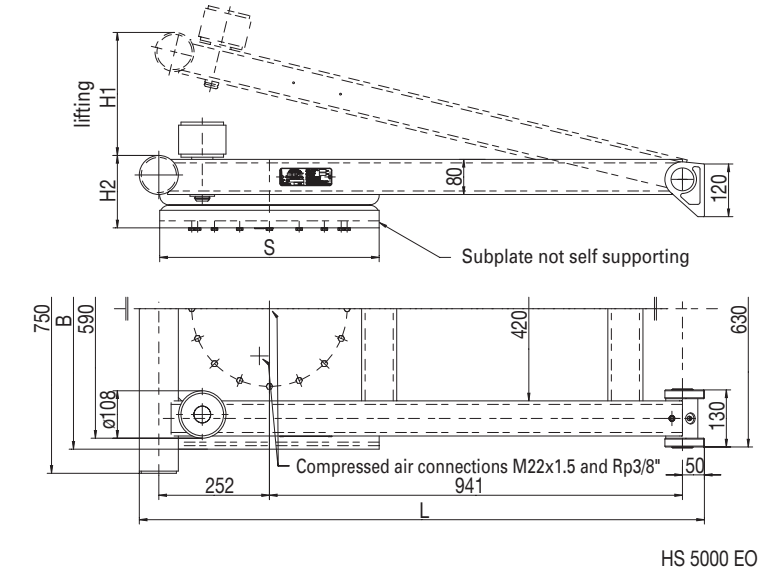
Drawing No.	Order No.
650.280.000	SSTN 1 HS
650.290.000	SSTN 2 HS

Spare parts for actuating system 1 HS and 2 HS

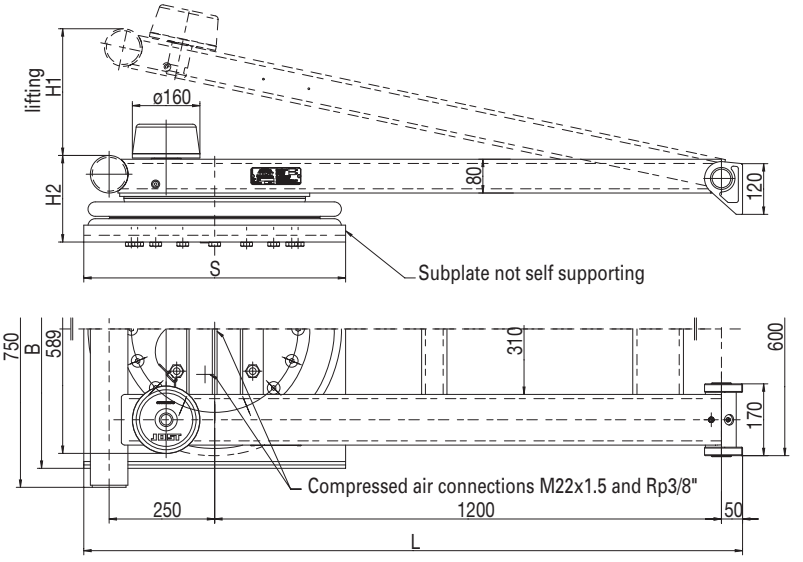
Item	Designation	Order No.	1 Airbag lifting device	2 Airbag lifting devicen
1	5/3 Way valve - Spring reset	650.160.042	1	1
2	5/2 Way valve - Fixed position	650.160.043		1
3	3/2 Way valve - Roller	650.160.044	1	2
4	2/2 Way valve	650.160.045	1	2
5	No.return valve	650.160.007	1	2
6	Or valve	650.160.006		2
Special accessory				
	complete		650.200.000	
7	Relief valve	650.140.001	1	
8	Air tank 60 l	650.140.002	1	
9	Mounting strip	650.140.003	2	
10	Test connection	650.140.005	1	
11	Drain valve	650.140.004	1	

Subject to technical modification

HS 5000 / 8000 / 10000 EO



HS 5000 EO



HS 8000 / 10000 EO

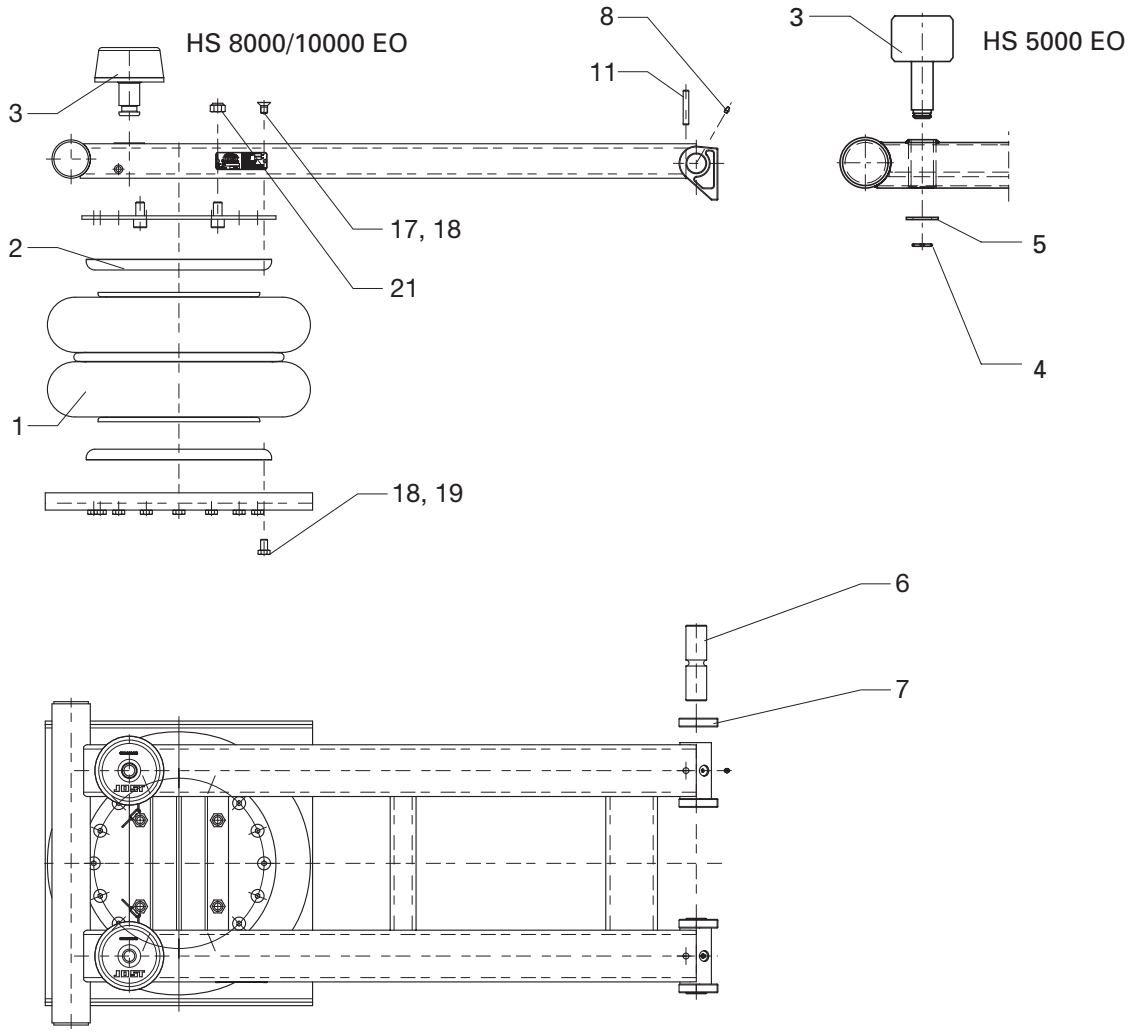
Selection table / available versions

Lifting capacity (kN)	Lifting (mm)	H1 (mm)	H2 (mm)	S (mm)	L (mm)	B (mm)	Weight (kg)	Order No.	Drawing No.
50	280	280	165	500	1288	640	100.0	HS 5000 EO	650.002.000
80 **	300	300	205	620	1560	660	146.0	HS 8000 EO	650.007.000
100	400	400	205	710	1605	740	160.0	HS 10000 EO	650.021.000

*** 100 kN at a pressure of 0.8 Mpa (8 bar)*
Free space of at least 15 mm around moving parts!

HS 5000 / 8000 / 10000 EO

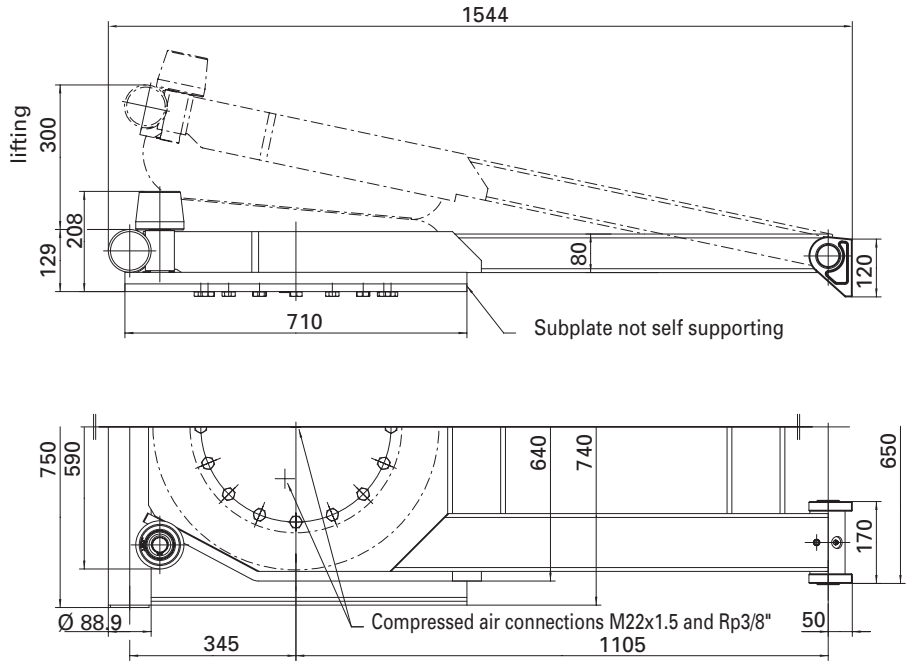
Spare parts



Item	Description	Quantity	HS 5000 EO	HS 8000 EO/HS 8000 EO-01	HS 10000 EO
1	Pneumatic bellow	1	212.030.000	212.013.000	212.034.000
2	Bead ring	2	212.017.000	212.005.000	212.005.000
3	Guide roller	2	655.002.010	655.002.016	655.002.016
4	Locking ring	2	915.000.190		
5	Washer	2	000.006.028		
6	Pivot pin	2	655.012.002	655.007.003	655.007.003
7	Chassis bearing	4	650.007.005	650.007.005	650.007.005
8	Grease nipple	2	905.000.185	905.000.185	905.000.185
11	Clamping pin 13x80	2	NT0031800	NT0031800	NT0031800
17	Countersunk bolt M16x25	16		000.001.001	000.001.001
18	Hex bolt M8x20	32	000.001.076		
19	Hex bolt M16x25	16		000.001.002	000.001.002
21	Hex nut M20	4		000.002.002	000.002.002

HS 8000 EON

Low design with guide roller on top

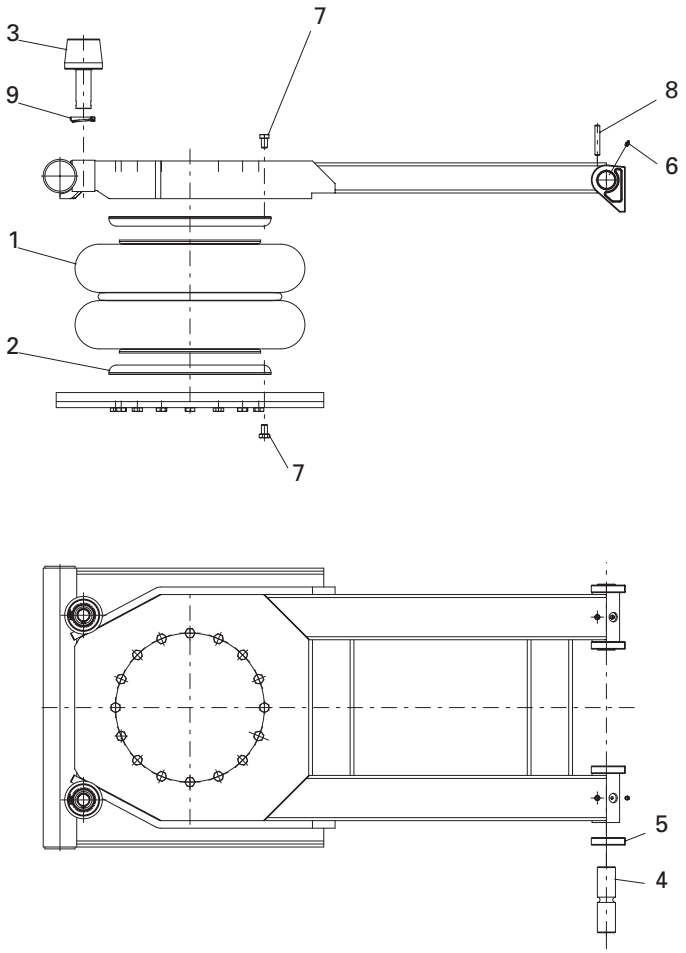


Selection table / available versions

Weight (kg)	Order No.	Drawing No.
169.0	HS 8000 EON	650.313.000

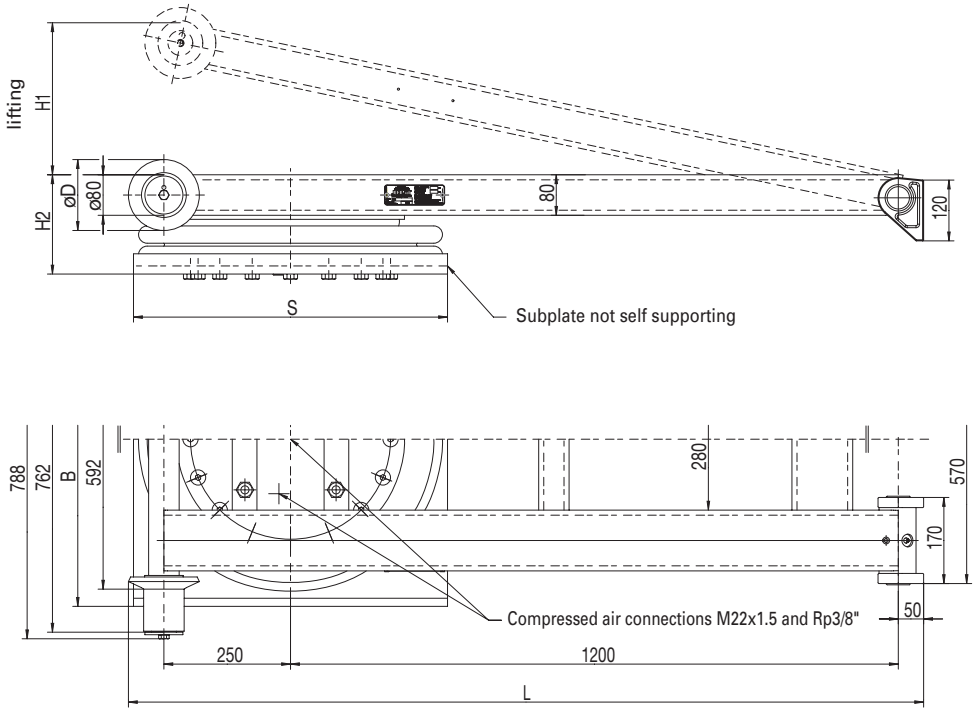
HS 8000 EON

Spare parts



Item	Description	Quantity	HS 8000 EON
1	Pneumatic bellow	1	212.013.000
2	Bead ring	2	212.005.000
3	Guide roller	2	650.002.073
4	Pivot pin	2	655.007.003
5	Chassis bearing	4	650.007.005
6	Grease nipple	2	905.000.185
7	Hex bolt M16x25	32	000.001.002
8	Clamping pin13x80	2	NT0031800
9	Folding pin	2	000.008.008

HS 8000 / 10000 ES



Selection table / available versions

Lifting capacity (kN)	Lifting (mm)	H1 (mm)	H2 (mm)	S (mm)	L (mm)	B (mm)	D (mm)	Weight (kg)	Order No.	Drawing No.
80 **	300	300	195	620	1570	660	ø 140	134.0	HS 8000 ES	650.011.000
80 **	300	300	195	620	1570	660	ø 140	134.0	HS 8000 ES-05 ***	650.011.000
100	400	400	195	710	1570	740	ø 140	147.0	HS 10000 ES	650.017.000

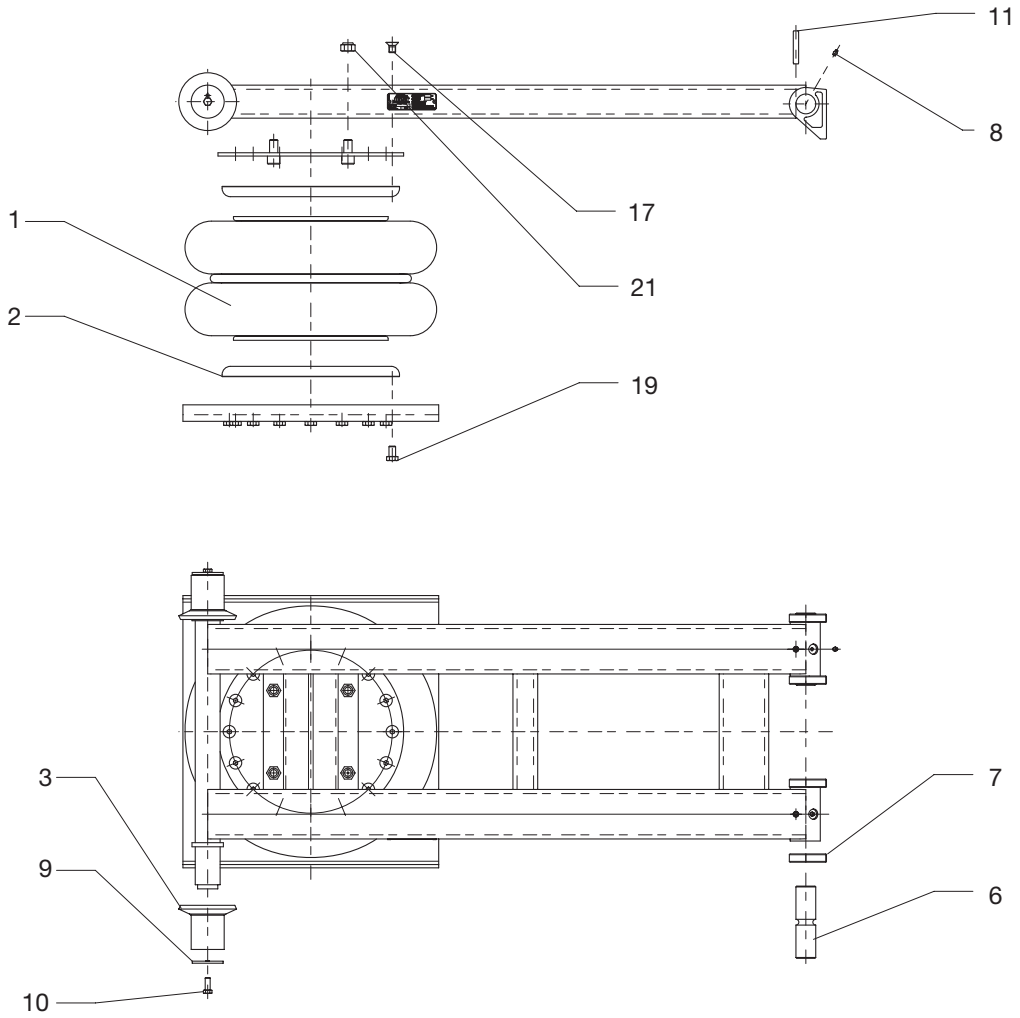
*** 100 kN at a pressure of 0.8 Mpa (8 bar)*

**** Frame hot-dip galvanised, raw subplate*

Free space of at least 15 mm around moving parts!

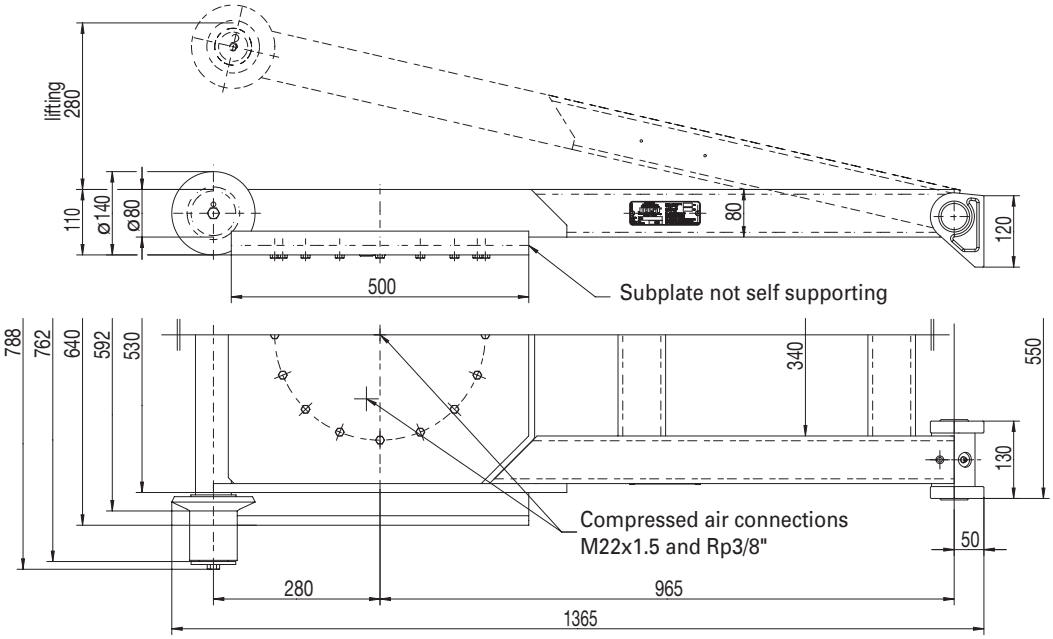
HS 8000 / 10000 ES

Spare parts

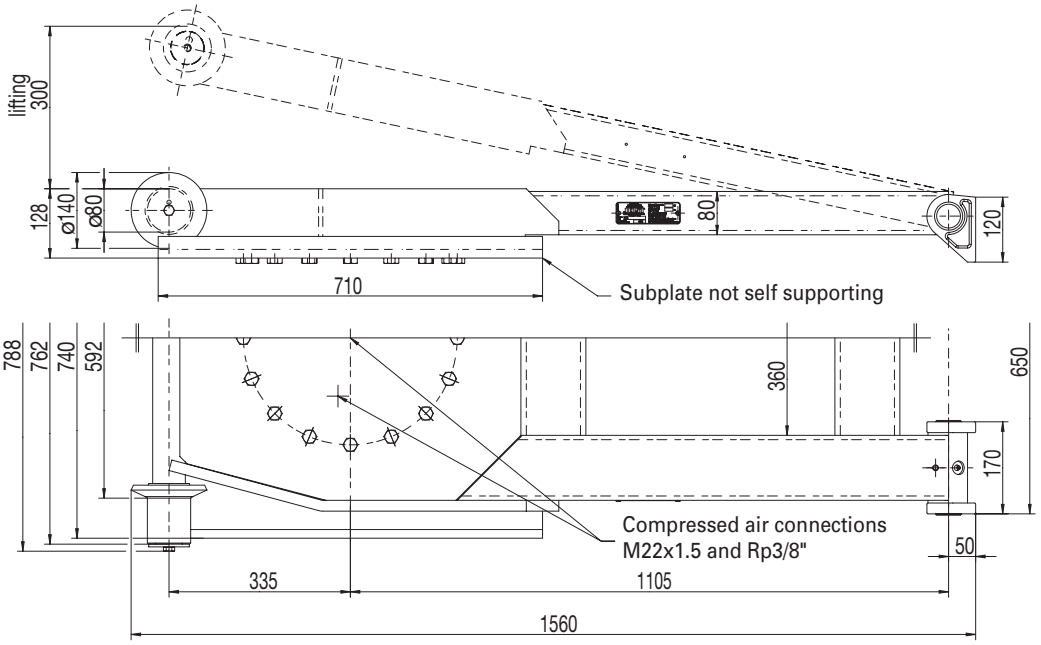


Item	Description	Quantity	HS 8000 ES / HS 8000 ES-05	HS 10000 ES
1	Pneumatic bellow	1	212.013.000	212.034.000
2	Bead ring	2	212.005.000	212.005.000
3	Guide roller	2	655.002.012	655.002.012
6	Pivot pin	2	655.007.003	655.007.003
7	Chassis bearing	4	650.007.005	650.007.005
8	Grease nipple	2	905.000.185	905.000.185
9	Cover	2	655.033.032	655.033.032
10	Hex bolt M12x30	2	000.001.007	000.001.007
11	Clamping pin13x80	2	NT0031800	NT0031800
17	Countersunk bolt M16x25	16	000.001.001	000.001.001
19	Hex bolt M16x25	16	000.001.002	000.001.002
21	Hex nut M20	4	000.002.002	000.002.002

HS 5000 / 8000 ESN



HS 5000 ESN



HS 8000 ESN

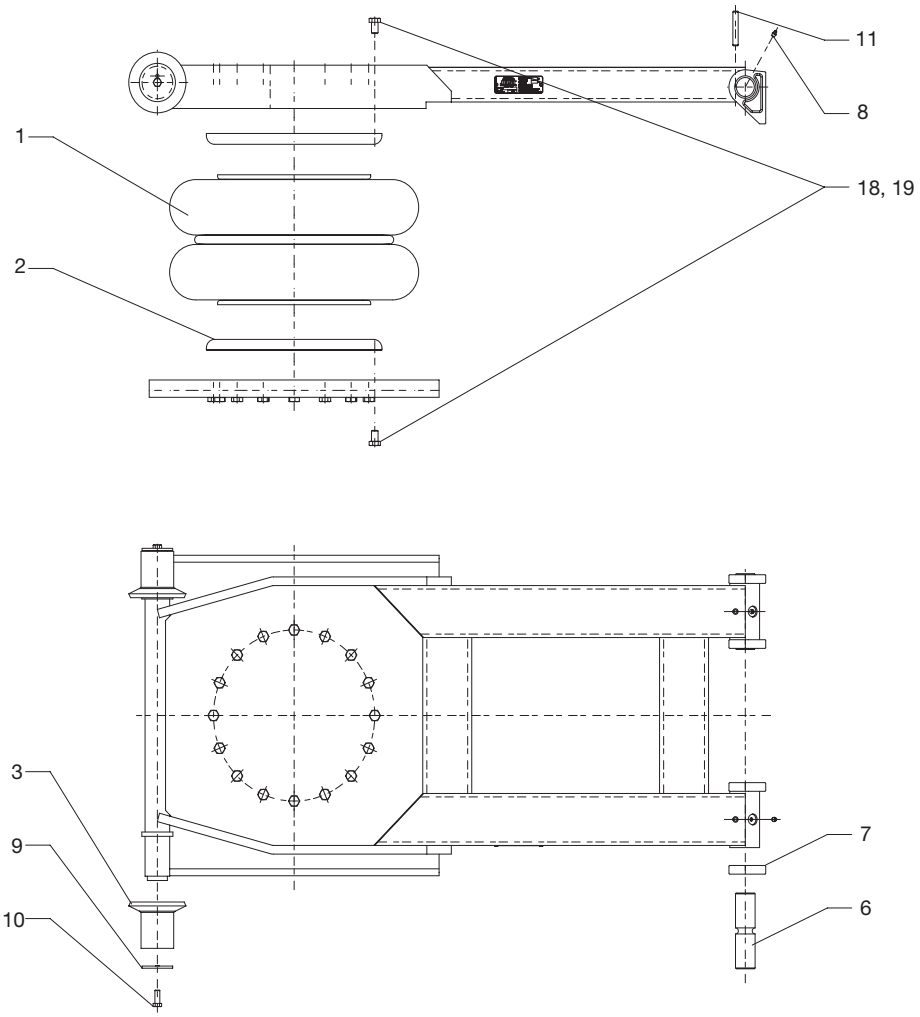
Selection table / available versions

Lifting capacity (kN)	Lifting (mm)	Weight (kg)	Order No.	Drawing No.
50	280	105.0	HS 5000 ESN	650.076.000
80 **	300	160.0	HS 8000 ESN	650.014.000
80 **	300	134	HS 8000 ESN02 ***	650.014.000

*** 100 kN at a pressure of 0.8 Mpa (8 bar)*
**** Frame hot-dip galvanised, raw subplate*
Free space of at least 15 mm around moving parts!

HS 5000 / 8000 ESN

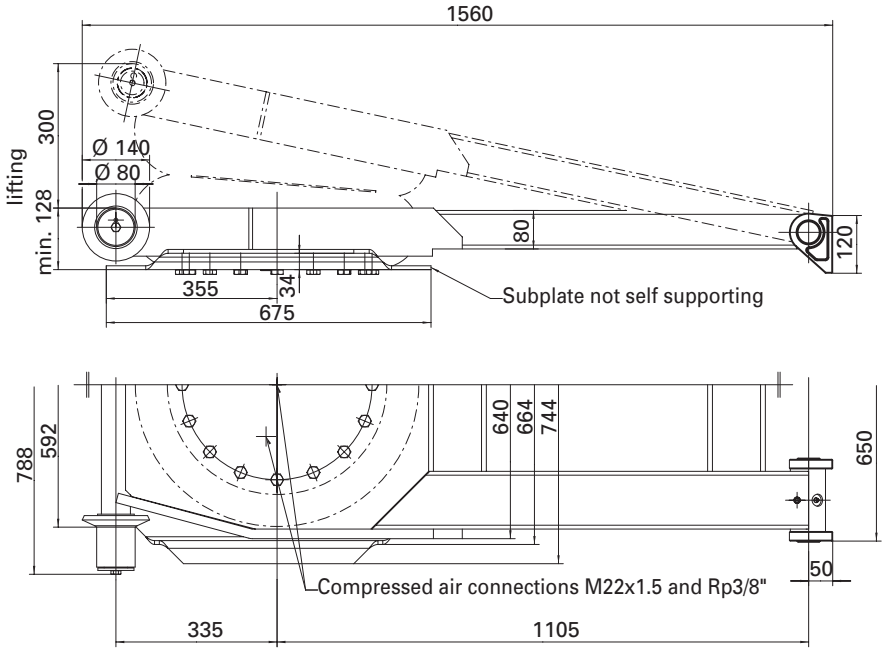
Spare parts



Item	Description	Quantity	HS 5000 ESN	HS 8000 ESN / HS 8000 ESN02
1	Pneumatic bellow	1	212.030.000	212.013.000
2	Bead ring	2	212.017.000	212.005.000
3	Guide roller	2	655.002.012	655.002.012
6	Pivot pin	2	650.012.002	655.007.003
7	Chassis bearing	4	650.007.005	650.007.005
8	Grease nipple	2	905.000.185	905.000.185
9	Cover	2	655.033.032	655.033.032
10	Hex bolt M12x30	2	000.001.007	000.001.007
11	Clamping pin 13x80	2	NT0031800	NT0031800
18	Hex bolt M8x20	32	000.001.076	
19	Hex bolt M16x25	32		000.001.002

HS 8000 ESN 04

Model with cranked lower plate for installation in mounting angles with a construction height < 130 mm

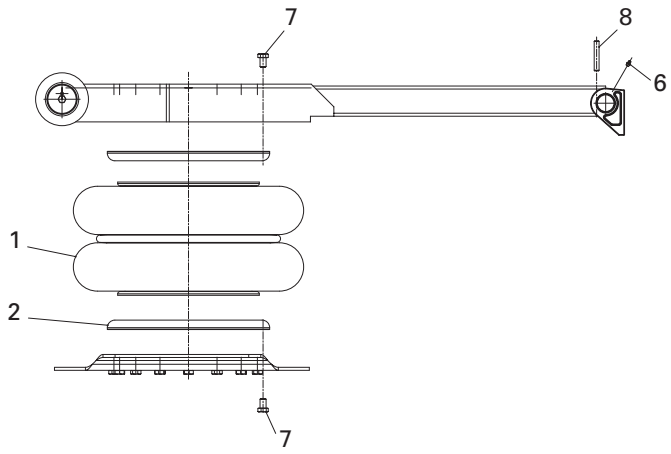


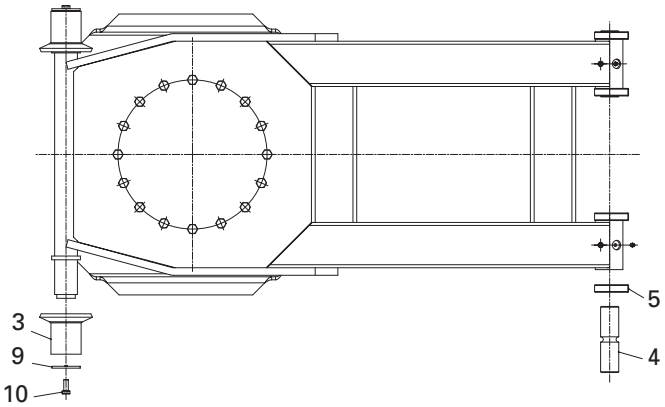
Selection table / available versions

Weight (kg)	Order No.	Drawing No.
155.0	HS 8000 ESN04	650.310.000

HS 8000 ESN 04

Spare parts

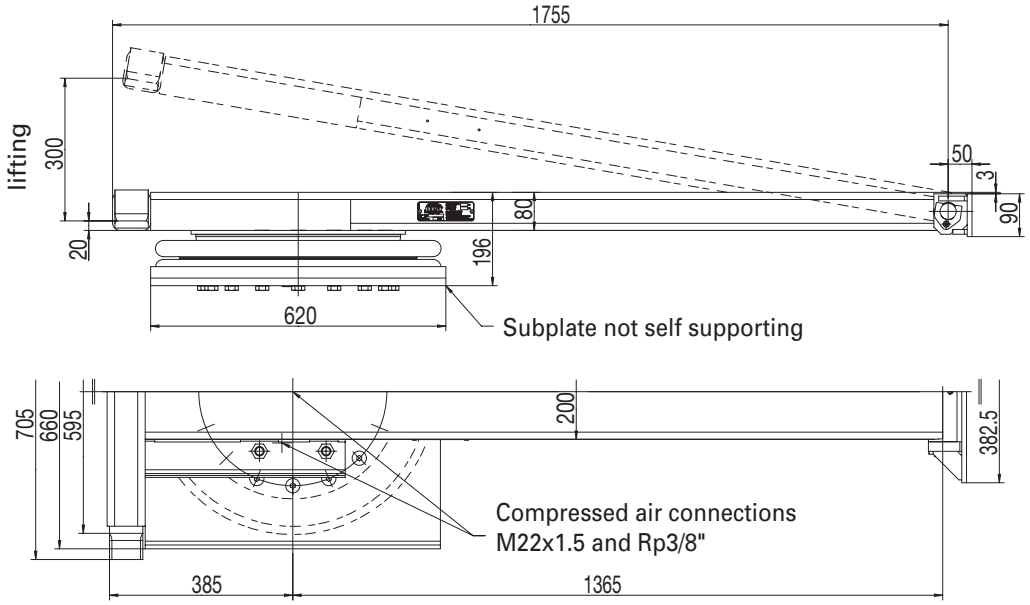




Item	Description	Quantity	HS 8000 ESN 04
1	Pneumatic bellow	1	212.013.000
2	Bead ring	2	212.005.000
3	Guide roller	2	655.002.012
4	Pivot pin	2	655.007.003
5	Chassis bearing	4	650.007.005
6	Grease nipple	2	905.000.185
7	Hex bolt M16x25	32	000.001.002
8	Clamping pin 13x80	2	NT0031800
9	Cover	2	655.033.032
10	Hex bolt M12x30	2	000.001.007

HS 8300 ES-W1

For installation in containers without mounting angles. Swap body lifting device can be positioned in the tunnel area of the container.

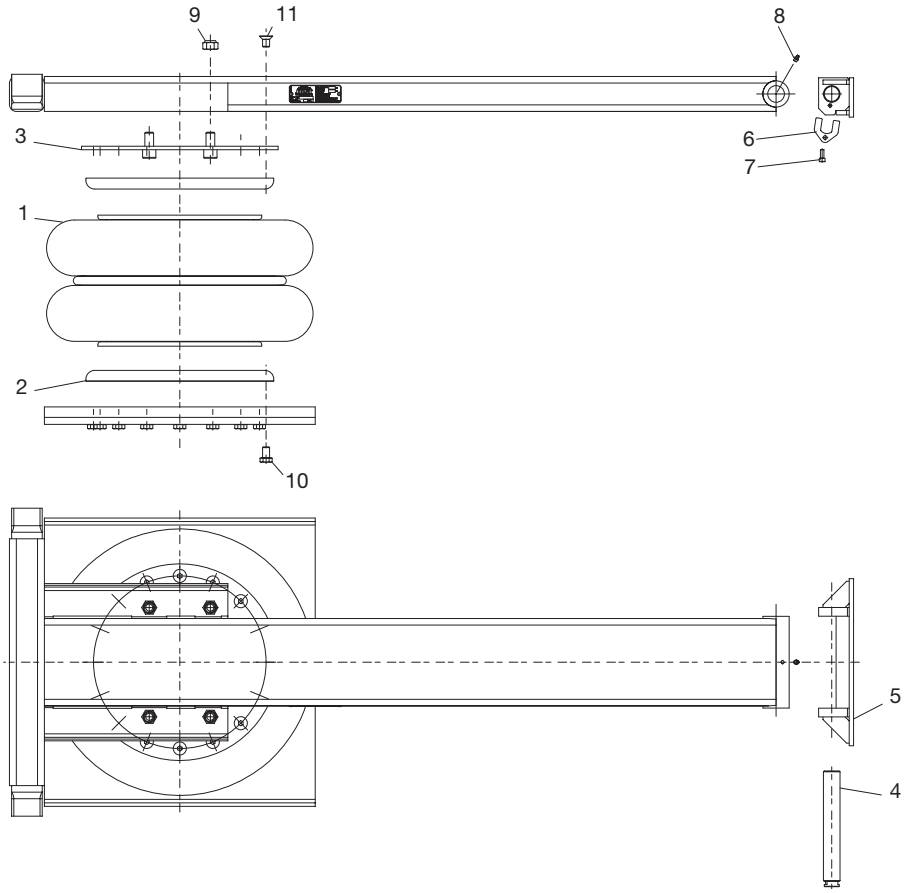


Selection table / available versions

Weight (kg)	Order No.	Drawing No.
124.0	HS 8300 ES-W1	650.121.000

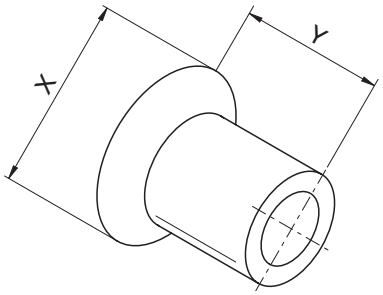
HS 8300 ES-W1

Spare parts



Item	Description	Quantity	HS 8300 ES-W1
1	Pneumatic bellow	1	212.014.000
2	Bead ring	2	212.005.000
3	Lifting plate top	1	650.050.008
4	Pivot pin	1	650.050.019
5	Chassis bearing	1	650.050.010
6	Locking plate	1	HR0000192
7	Hex bolt M8x20	1	NT0023300
8	Grease nipple	1	905.000.185
9	Hex nut M20	4	000.002.002
10	Hex bolt M16x25	16	000.001.002
11	Countersunk bolt M16x25	16	000.001.001

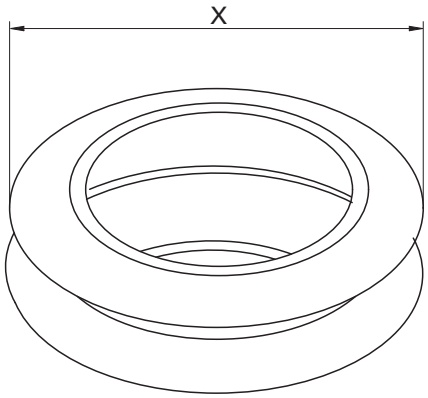
Guide roller, side



Selection table / available versions

X (mm)	Y (mm)	Order No.
140	108	655.002.012

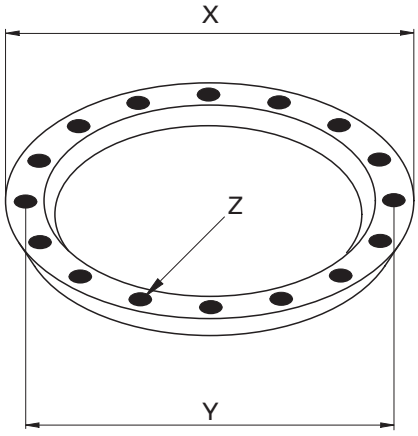
Lifting bellow



Selection table / available versions

X (mm)	Description	Order No.
418	Lifting bellow 50 kN	212.030.000
600	Lifting bellow 80 kN	212.013.000
670	Lifting bellow 100 kN	212.034.000
–	Lifting bag 80 kN mounted with bead rings	212.039.000

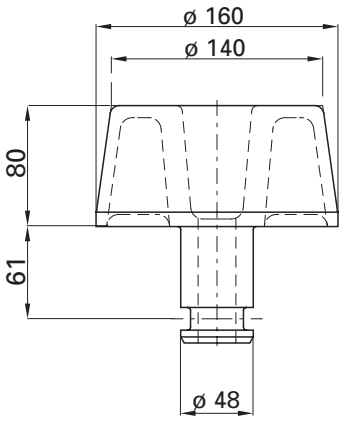
Bead ring



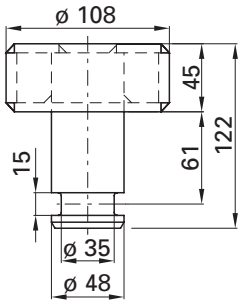
Selection table / available versions

for lifting bellow	X (mm)	Y (mm)	Z	Order No.
212.030.000	380	354	M8	212.017.000
212.014.000				
212.034.000	430	395	M16	212.005.000

Guide rollers



655.002.016

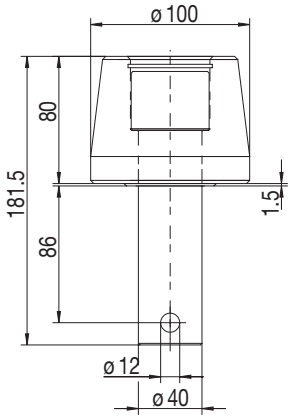


650.002.042

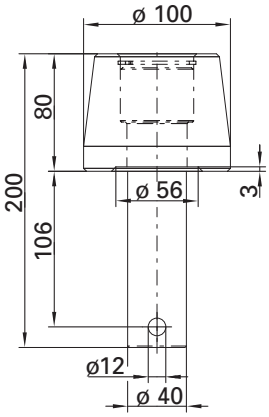
Selection table / available versions

Weight (kg)	Description	Order No.
5.7	ER 160 GOR, Cast steel, without edge	655.002.016
2.9	ER-108 N, Steel, low guide tunnel	650.002.042
4.5	ER 100-80, Steel, small guide roller	650.002.073
5.3	ER 100-100 L, Steel, small guide roller	650.002.075

All guide rollers are delivered galvanized.

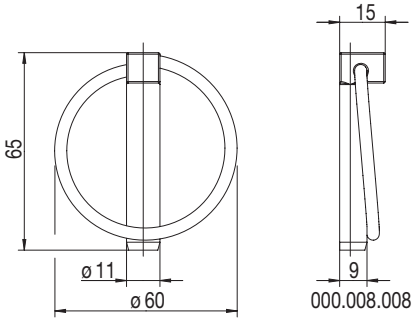


650.002.073

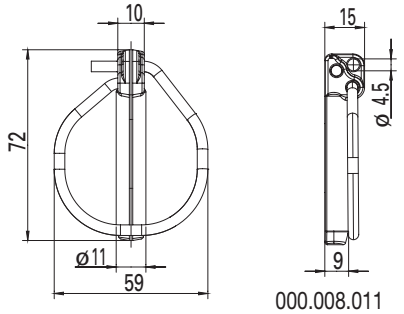


650.002.075

Folding pin for guide rollers



000.008.008



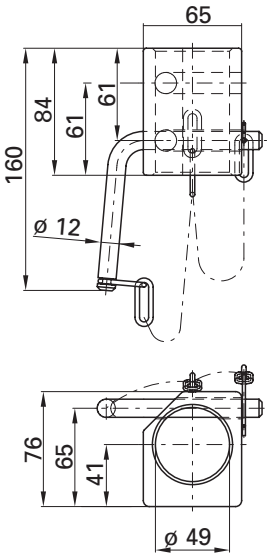
000.008.011

Selection table / available versions

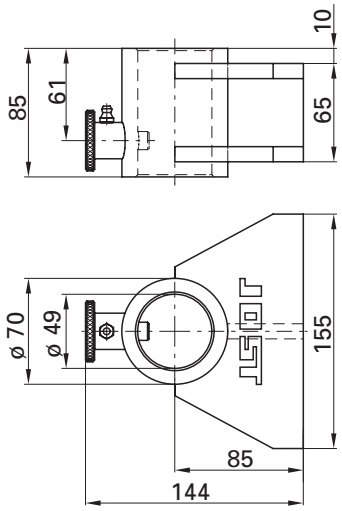
Weight (kg)	Description	Order No.
0.06	Folding pin for guide roller 650.002.073 and 650.002.075	000.008.008
0.07	Folding pin for guide roller with drilling for safety chain	000.008.011

Guide roller bearings 650.002.019 + 650.002.039

The guide roller bearings 650.002.019 + 650.002.039 are used to mount guide rollers with a journal diameter of 48 mm.



650.002.019



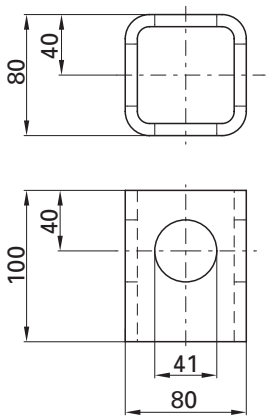
650.002.039

Selection table / available versions

Weight (kg)	Description	Order No.
2.0	LER 161 G	650.002.019
1.9	LER 160	650.002.039

Guide roller bearings 650.002.055

The guide roller bearing 650.002.055 is used to mount guide rollers with a journal diameter of 40 mm.

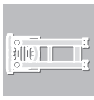


650.002.055

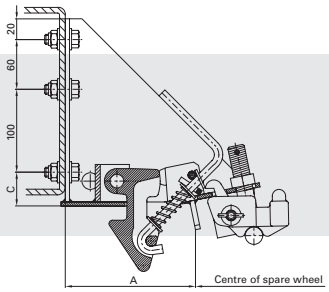
Selection table / available versions

Weight (kg)	Description	Order No.
1.5	LER 100	650.002.055

All guide rollers are delivered raw.



Spare wheel holder



JOST spare wheel holders are used to mount spare truck wheels with press-in depth.

Product overview spare wheel holder

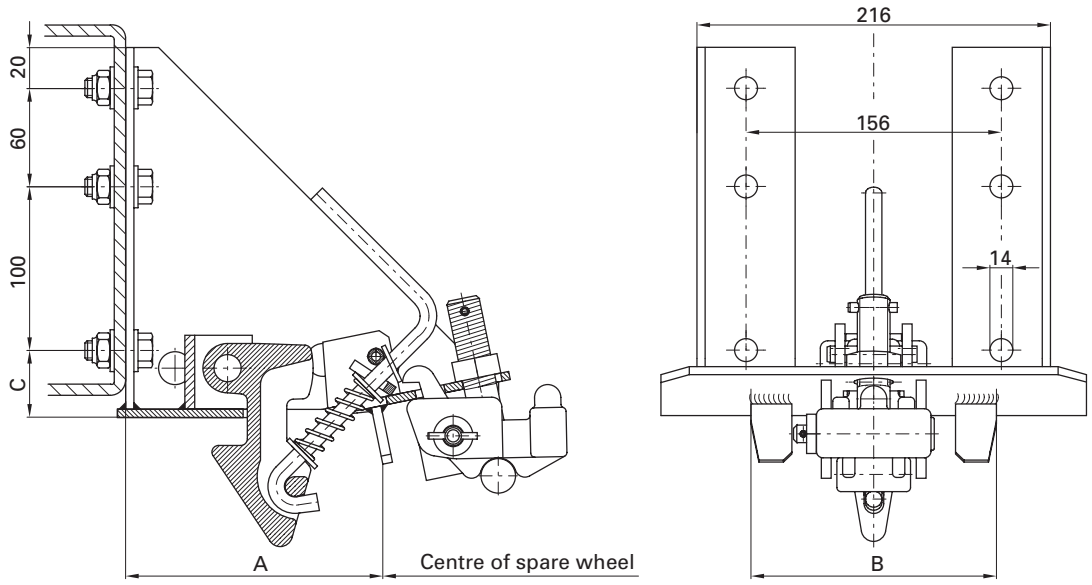
Number of bolt holes	Bolt circle diameter	Centering diameter	Maximum rim width	Weight	Order No.	Drawing No.	Figure see page …
piece	(mm)	(mm)	(mm)	(kg)			
6	205	161	12	8.5	ERH 6-205	902.011.000	123
6	245	202	12	8.6	ERH 6-245	902.013.000	123
8	275	221	16	14.3	ERH 8-275	902.014.000	123
10	335	281	16	16.4	ERH 10-335	902.012.000	123

Surface: housing raw, mounting parts galvanised

Notes:
Refer to the installation instructions and the operating instructions.
The fixing elements are not supplied.
See maximum vehicle width!

The spare wheel holders are not suitable for aluminium wheel rims.

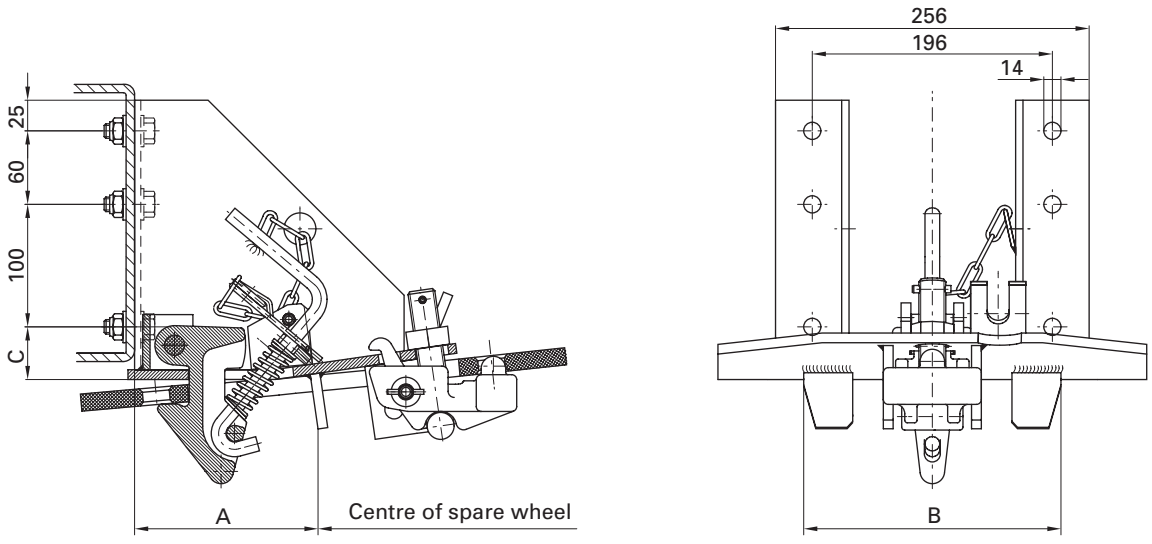
ERH 6-205, ERH 6-245



Selection table / available versions

A (mm)	B (mm)	C (mm)	Bolt circle (mm)	Rim width max. (mm)	Weight (kg)	Order No.	Drawing No.
ca. 158	150	45	205	12	8.5	ERH 6-205	902.011.000
ca. 138	190	45	245	12	8.6	ERH 6-245	902.013.000

ERH 8-275, ERH 10-335

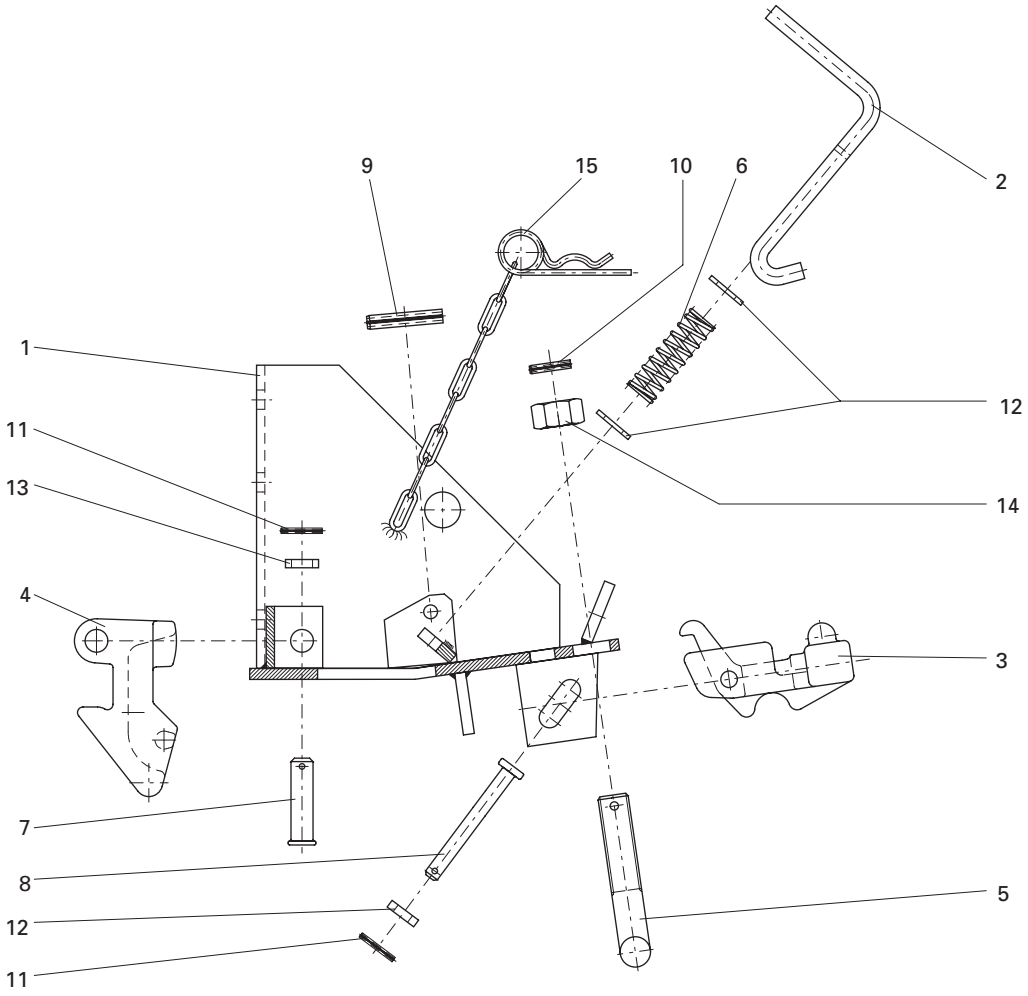


Selection table / available versions

A (mm)	B (mm)	C (mm)	Bolt circle (mm)	Rim width max. (mm)	Weight (kg)	Order No.	Drawing No.
ca. 150	210	43	275	16	14.3	ERH 8-275	902.014.000
ca. 188	270	43	335	16	16.4	ERH 10-335	902.012.000

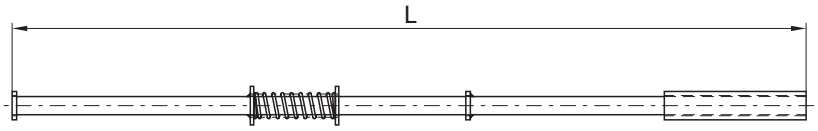
Spare wheel holder

Spare parts



Pos.	Description	ERH 6-205	ERH 6-245	ERH 8-275	ERH 10-335
1	Housing	902.011.100	902.013.100	902.014.100	902.012.100
2	Crow bar	902.011.200	902.013.200	902.012.200	902.012.200
3	Clamp	902.011.003	902.011.003	902.012.003	902.012.003
4	Hook	902.011.004	902.011.004	902.012.004	902.012.004
5	Hammer bolt M20x1,5	902.011.005	902.011.005		
	Hammer bolt M22			902.012.005	902.012.005
6	Compression spring	902.011.008	902.011.008	640.001.033	640.001.033
7	Rivet bolt 16x60	902.011.012	902.011.012	902.011.012	902.011.012
8	Rivet bolt 10,7x81	902.011.013	902.011.013		
	Rivet bolt 10,7x96			902.012.013	902.012.013
9	Clamping pin 10x55	000.003.023	000.003.023	000.003.023	000.003.023
10	Clamping pin 6x30	000.003.024	000.003.024	000.003.024	000.003.024
11	Clamping pin 4x30	000.003.017	000.003.017	000.003.017	000.003.017
12	Washer A12	NT0059400	NT0059400	NT0059400	NT0059400
13	Washer A17	000.006.009	000.006.009	000.006.009	000.006.009
14	Hex nut M20x1,5	000.002.015	000.002.015		
	Hex nut M22 vz			000.002.018	000.002.018
15	Safety pin			000.008.001	000.008.001

Installation lever



Not supplied

Selection table / available versions

L (mm)	for spare wheel holder	Order No.
900	ERH 8-275, ERH 10-335	902.000.002

General information

This catalogue contains our complete range of products and the appropriate spare parts for **Container equipment and intermodal transports**. The dimensions given are those most frequently encountered. The models with their numerous variations are depicted by way of the type designations.

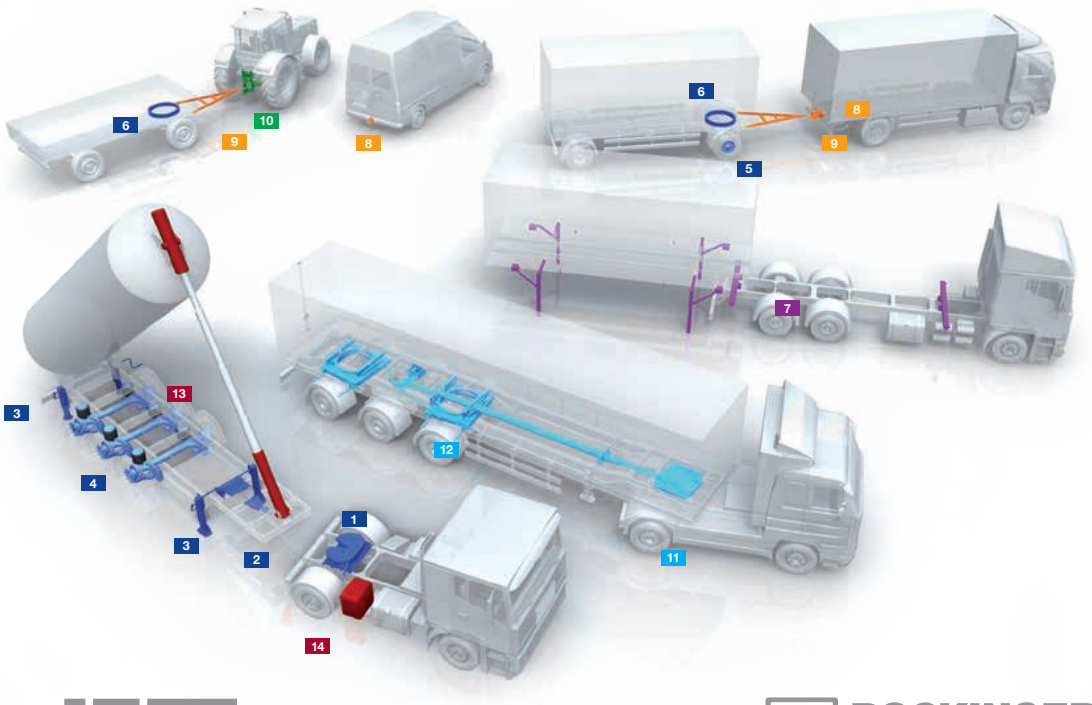
We reserve the right to make **changes to the technical specifications** of all the products depicted in this catalogue. Please refer to the appropriate documentation for installation, assembly and repair instructions. You can find further technical details and information (e.g. mounting and operating instructions) as well as terms of guarantee at www.jost-world.com.

General information
Available product series and designs are specified in the respective selection tables by means of an order reference number.

If you do not intend to unpack and fit the products immediately on delivery, please store them in a dry place.

Due to their lack of surface coating, surface corrosion can form on parts that are delivered in a raw or blasted state, even when they are stored correctly and transported with surface protection.

According to their weight the products are transported, in carton, in crates or on Euro pallets. We recommend the use of a lifiting truck, forklift or crane for handling pallets or crates.



JOST

1 **Fifth wheel couplings and systems**
2" and 3 ½" fifth wheel couplings in a variety of construction heights, bearing types and versions, mounting plates, sliders and dual-height fifth wheel systems; sensor-controlled systems for the coupling procedure between truck and trailer

2 **King pins**
2" and 3 ½" king pins with a conical or plate-shaped flange

3 **Landing gears**
Landing gears with variable bolting heights, crank handles, connection shaft-lengths and foot types, special landing gears for special applications

4 **Axle systems**
Wide range of weight-saving trailer axles with additional special equipment

5 **Hubodometers**
Used to calculate distance driven, independent of the truck

6 **Ball bearing turntables**
Ball bearing turntables and slewing rings in a wide range of sizes and versions

7 **Container technology**
Components for intermodal transports, supports, twist locks and bolsters, swap body lifting devices, guide roller bearings and bearings

ROCKINGER

8 **Road traffic**
Open-end, hook and ball towing hitches, suspension elements, VARIOBLOCK alternating system and special models

9 **Drawbars and towing eyes**
Drawbars and towing eyes as well as custom-made products for on and off-road usage

10 **Agriculture**
Open-end, hook and ball towing hitches, height adjustable brackets and clutch carriers for agriculture and forestry

TRIDEC

11 **Steering systems**
Axel-independent or manufacturer-independent mechanically, hydraulic and electronically controlled steering systems for trailers

12 **Axle suspensions**
Air suspension or hydraulically suspended axle suspensions for on and off-road usage

Edbro

13 **Vehicle-mounted hydraulic systems**
Front end, underbody and tipping ejector cylinders for trucks and trailers/trailer tippers

14 **Customer-specific hydraulic component kits**
Hydraulic component kits for various applications, chassis-specific hydraulic container component kits

Member of JOST-World

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ZDE 180 000 039E • 05/17