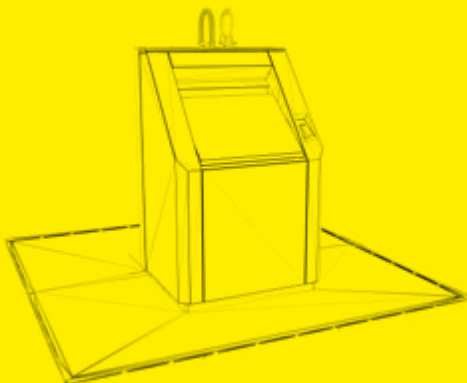
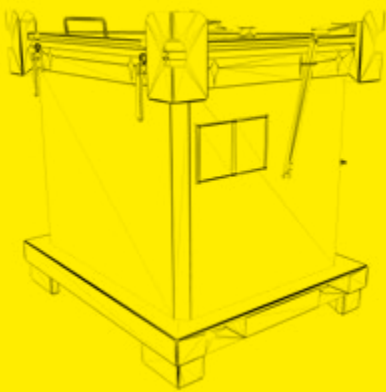
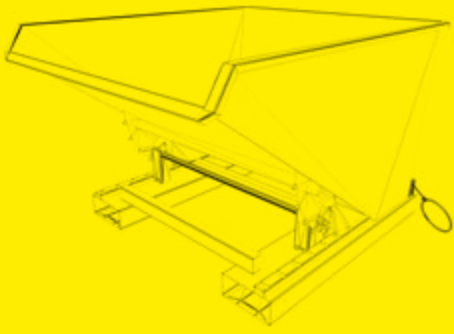


... made by



FORKLIFT TRUCK ATTACHMENTS

ENVIRONMENT / STORAGE

HAZARDOUS MATERIALS CONTAINERS

RECYCLING BANKS

INNOVATION | CONSTRUCTION | PRODUCTION

NEW PRODUCTS IN THIS CATALOGUE

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ENVIRONMENT / STORAGE

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INNOVATION | CONSTRUCTION | PRODUCTION



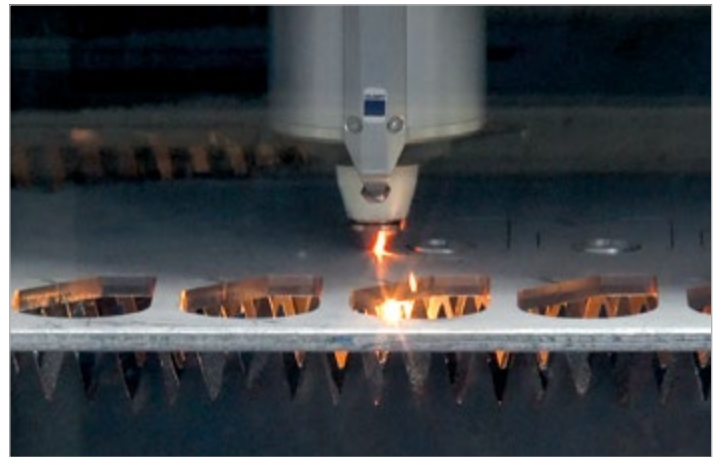
Technical processing in the 3D system



Raw material store



Combined punch-laser machine



Laser cutting and punching machines



CNC-controlled automatic saw



CNC-controlled press brakes



Welding robot systems



Paint shop with drying street

THE COMPANY

BAUER GmbH not only develops and manufactures attachments for the forklift truck, products for the environmental sector and recycling and waste containers.

Founded in 1966 by Heinz Dieter Bauer, today the company has more than 280 employees and is one of the leading European manufactures in this field.

Qualified personal and the use of the most modern manufacturing technology available guarantee our products meet the highest standards where safety and quality are concerned. In 1993 the company was certified for the first time according to DIN EN ISO 9001:2008; the implementation of this quality assurance management system guarantees consistent high quality. „made by BAUER“

BAUER products are only manufactured on the sites in Suedlohn and Halberstadt.



Suedlohn Site I, Manufacturing and Administration

990 tonnes CO₂ savings per year through our photovoltaic power plants!



Halberstadt Site II, Manufacturing



Administration building in Suedlohn



BAUER-Visitor forum in Suedlohn



WE HAVE A RESPONSIBILITY

Further training opportunities and qualification

Training is a process and not something restricted to the time spent on an educational or vocational course. The new “Forum” is a meeting place for employees, customers and sales partners, ideal for training sessions, seminars and presentations. The facilities are equipped with the most modern presentation and conference technology – the perfect venue at which to meet and exchange ideas.



More than 40 years experience in training apprentices

At BAUER training is taken seriously – several of our graduates have been the “Best Student of the Year”, a title awarded by the regional Chamber of Industry and Commerce Northern Westphalia.



Commitment to Suedlohn

BAUER GmbH is the first company in Suedlohn to cooperate with local schools as part of the project “Partners – Schools and Businesses” initiated by the regional Chamber of Industry and Commerce Northern Westphalia.



Active climate protection

Clean manufacturing is one key to a clean environment. We put a strong focus on renewable energy sources: we have a large rooftop photovoltaic installation that makes an important contribution to BAUER’s commendable eco-balance.

Social Commitment

The Dieter Bauer Foundation has supported both cancer and MPS research since 2003. Funds from the foundation go to non-profit making organizations i.e. charities only, who help those affected. Further information (German only) is available at www.dieterbauer-stiftung.de.



CUSTOM MANUFACTURING

FORKLIFT TRUCK ATTACHMENTS

This range covers a variety of products that can be picked up using the forks of a forklift truck

HAZARDOUS MATERIALS CONTAINERS

Approved containers for the international transport of hazardous materials - solids, paste-like substances or liquids.

ENVIRONMENT / STORAGE

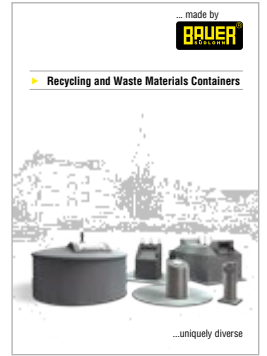
This product group is extensive and ranges from a single retention basin to storage facilities for hazardous goods.

RECYCLING AND WASTE MATERIALS CONTAINERS

Our versatile range of container systems - underground, semi-underground and overground - for the collection of the most common types of waste.

The combination of today's demands on modern town planners and landscape designers plus varying conditions on location make it necessary to consider customized solutions.

Take a look at our website www.geotainer.com and in our brochure "Recycling & Waste Materials Containers"



Whatever requirements you may have concerning design and construction - just ask us!

We only use environmental friendly paints, i.e. lead- and chromate-free.

orange RAL 2000	red RAL 3000	blue RAL 5012	green RAL 6011	grey RAL 7005	greywhite RAL 9002
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The colours shown in the boxes are only there to help you with your choice of colour - they are not exact reproduction of the RAL colours. .

hot-dip galvanized nach EN ISO 1461

Also available on request: ■ other RAL-colours ■ shot blasted ■ coatings / linings



TAKE A LOOK AT OUR WEBSITE



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www.geotainer.com



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FORKLIFT TRUCK ATTACHMENTS



Tilting containers

2-18, 24-26



Containers with drop away base

19-23



Swarf containers

26-30



Silo containers

32-33



Building materials containers

22, 34-35



Shovels

38-39



Snow clearing equipment

40-42



Access safety platforms

43-46



Load handling equipment

47-49



Tipping equipment

50-53



Transport equipment

54-56



Useful equipment

57



Around fork sleeves

58-61



Drum handling equipment

62-73



Wheels

74

TILTING CONTAINER TYPE AK



Tilting container with rolling mechanism

- ideally situated loading centre of gravity
- can be emptied at any height by cable operated from the driver's seat
- body wall with reinforced edging
- sturdy frame with fork sleeves
- can be transported with pallet truck
- can be secured to prevent slipping and unintentional emptying
- wheels can be fitted later

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm
- galvanized lid, can be opened from both sides
- welding, oil- and watertight
- mesh extender frame to increase the volume
- trailer coupling and towing bar (please refer to page 9)



Type AK with castors



Type AK with lid



Type AK with mesh extender frame



Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
AK 50	0,50	1420 x 1008 x 1070	1000	166
AK 75	0,75	1420 x 1190 x 1070	1000	190
AK 100	1,00	1420 x 1560 x 1070	1000	209

Fork sleeve inside dimensions in mm

Type	A	B	C
AK 50-100	600	200	90

TILTING CONTAINER TYPE EXPO



The compact one with rolling mechanism

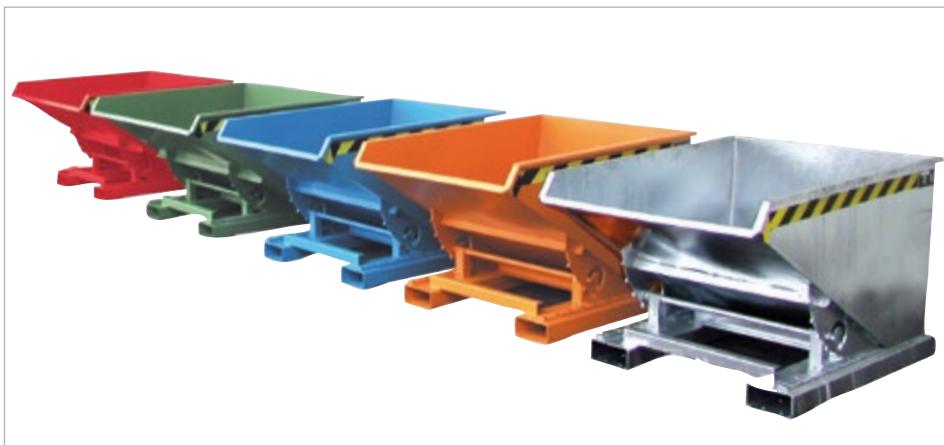
- ideally situated loading centre of gravity
- can be emptied at any height by cable operated from the driver's seat
- body wall with reinforced edging
- sturdy frame with fork sleeves
- can be secured to prevent slipping and unintentional emptying
- wheels can be fitted later

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake – construction height 220 mm
- galvanized lid, can be opened from both sides
- welding, oil- and watertight
- trailer coupling and towing bar (please refer to page 9)



Type EXPO 150 and Type EXPO 600



Type EXPO with lid



Type EXPO with castors



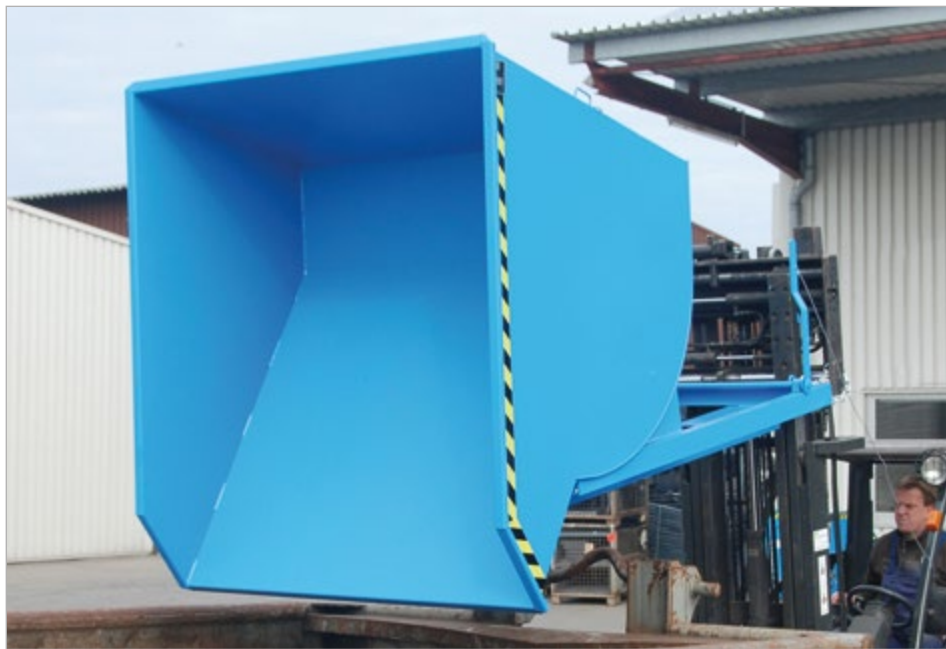
Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
EXPO 150	0,15	960 x 640 x 550	750	74
EXPO 300	0,30	1260 x 770 x 835	750	112
EXPO 600	0,60	1260 x 1070 x 835	1000	131
EXPO 900	0,90	1260 x 1570 x 835	1000	173
EXPO 1200	1,20	1720 x 1070 x 1103	1500	205
EXPO 1700	1,70	1720 x 1570 x 1103	1500	240
EXPO 2100	2,10	1720 x 1870 x 1103	1500	265

Fork sleeve inside dimensions in mm

Type	A	B	C
EXPO 150	170	200	80
EXPO 300	300	200	80
EXPO 600-2100	600	200	80

Finish:	RAL 2000	RAL 3000	RAL 5012	RAL 6011	RAL 7005	hot-dip galvanized
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TILTING CONTAINER TYPE BKM



A well proven tilting container with rolling mechanism

- ideally situated loading centre of gravity
- can be emptied at any height by cable operated from the driver's seat
- body wall with reinforced edging
- sturdy frame with fork sleeves
- can be secured to prevent slipping and unintentional emptying
- wheels can be fitted later (up to BKM 100)
- as swarf container (please refer to page 28)

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel with brake – construction height 220 mm
- galvanized lid, can be opened from both sides
- welding, oil- and watertight
- suitable for crane
- suitable for lever trolley
- trailer coupling and towing bar (please refer to page 9)

Individual construction on request

- e.g. stainless steel



Type BKM with castors



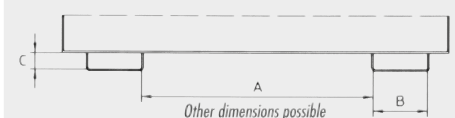
Type BKM with lid



Type BKM with castors, trailer coupling and towing bar

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
BKM 30	0,30	1140 x 820 x 815	1500	125
BKM 50	0,50	1540 x 820 x 1045	2500	164
BKM 75	0,75	1760 x 820 x 1270	3000	224
BKM 100	1,00	1760 x 1060 x 1270	3000	248
BKM 150	1,50	1760 x 1560 x 1270	3000	365
BKM 200	2,00	1810 x 1560 x 1470	3000	387

Fork sleeve inside dimensions in mm



Type	A	B	C
BKM 30-75	225	200	80
BKM 100	410	200	80
BKM 150-200	600	200	80

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

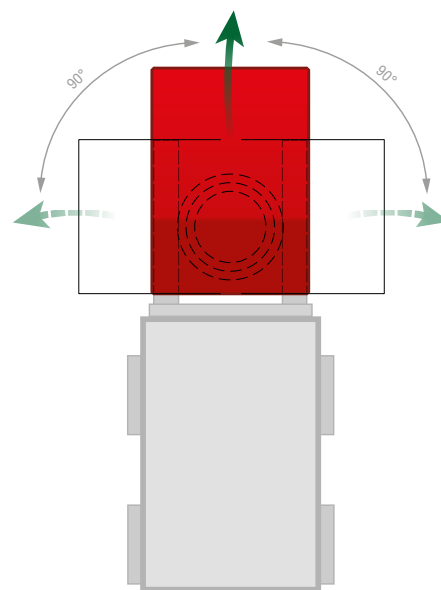
TILTING CONTAINER TYPE 3S



Type 3S

A Tilting Container that can be emptied in three directions

- easy to set in the emptying direction required - forwards, to the left or to the right
- can be emptied at any height by cable operated from the driver's seat
- body wall with reinforced edging
- sturdy frame with fork sleeves
- can be secured to prevent slipping and unintentional emptying
- wheels can be fitted later



Type 3S ready to empty forwards



Type 3S ready to empty to the right



Type 3S ready to empty to the left



Type S3S with castors (please refer to page 28)

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake – construction height 220 mm
- galvanized lid, can be opened from both sides

TYPE S3S

Same construction as the 3S but in addition welded oil- and watertight, fitted with a perforated sieve and 1" drain-cock for collecting and draining swarf (please refer to page 28)

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
3S 300	0,30	1460 x 1010 x 890	750	195
3S 600	0,60	1460 x 1070 x 890	1000	228

Fork sleeve inside dimensions in mm			
Type	A	B	C
3S	600	200	80

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

HEAVY DUTY TIPPER TYPE SK



Heavy duty tipper with automatic release

- sturdy steel construction with reinforced edging
- material strength: body wall 5 mm and fork sleeves 6 mm especially for heavy materials
- through fork sleeves, closed construction make the unit very sturdy
- ideally situated loading centre of gravity
- rolling mechanism
- emptying:
 - ① automatic release function activated when the release foot is set down on the container rim or



① automatic release

② manual release



② manual release by pulling on the cable provided

- can be secured to prevent slipping and unintentional emptying
- can be transported by a pallet truck
- wheels can be fitted later



Accessories

- 2 swivel + 2 fixed polyamide castors, one swivel castor with brake – remember the load capacity!



Type SK with castors

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
SK 300	0,30	1310 x 800 x 965	4000	233
SK 600	0,60	1310 x 1100 x 965	4000	271
SK 900	0,90	1310 x 1580 x 965	4000	295
SK 1200	1,20	1750 x 1100 x 1225	4000	363
SK 1700	1,70	1750 x 1580 x 1225	4000	419
SK 2100	2,10	1750 x 1880 x 1225	4000	455

Fork sleeve inside dimensions in mm

Type	A	B	C
SK 300	300	200	80
SK 600-2100	600	200	80

TILTING CONTAINER TYPE BK



The original with rolling mechanism

- ideally situated loading centre of gravity
- can be emptied at any height by cable operated from the driver's seat
- body wall with reinforced edging
- sturdy frame with fork sleeves
- can be secured to prevent slipping and unintentional emptying
- wheels can be fitted later (up to BK 110)

Accessories

- 2 swivel + 2 fixed polyamide castors
Ø 180 mm, one swivel with brake
– construction height 220 mm
- galvanized lid, can be opened from both sides
- welding, oil- and watertight
- suitable for crane
- suitable for lever trolley
- lever trolley type B2
- trailer coupling and towing bar
(please refer to page 9)

Individual construction on request

- e.g. stainless steel



Type BK with castors



Type BK with lid



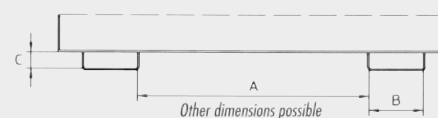
Type BK with pick-up for lever trolley and lever trolley type B2

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
BK 30	0,30	1150 x 850 x 945	750	163
BK 50	0,50	1430 x 850 x 1070	1000	217
BK 60	0,60	1430 x 950 x 1070	1000	225
BK 70	0,70	1430 x 1050 x 1070	1000	232
BK 80	0,80	1430 x 1150 x 1070	1500	245
BK 90	0,90	1430 x 1250 x 1070	1500	253
BK 100	1,00	1430 x 1400 x 1070	2000	261
BK 110	1,10	1430 x 1550 x 1070	2000	273
BK 120	1,20	1430 x 1650 x 1070	2000	279
BK 130	1,30	1430 x 1750 x 1070	2000	286
BK 140	1,40	1430 x 1850 x 1070	2000	294
BK 150	1,50	1430 x 1950 x 1070	2000	322
BK 160	1,60	1430 x 2050 x 1070	2000	330
BK 170	1,70	1430 x 2150 x 1070	2000	339
BK 180	1,80	1430 x 2250 x 1070	2000	347
BK 190	1,90	1430 x 2350 x 1070	2000	356
BK 200	2,00	1670 x 2150 x 1175	2000	391



Type BK with pick-up for crane

Fork sleeve inside dimensions in mm



Type	A	B	C
BK 30-70	420	200	80
BK 80-200	600	200	80

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

TILTING CONTAINER TYPE VD / VG



Type VD

The tilting container with new lever-closing mechanism

- sturdy frame with fork sleeves
- can be emptied at any height by cable from the driver's seat
- can be secured to prevent slipping and unintentional emptying

Types available

Type VD

- new protected design
- low dumping edge
- profiles on both sides, running diagonally

Type VG

- profiles on both sides, running horizontally



Type VG

Accessories

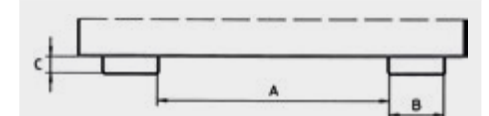
- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake – construction height 220 mm
- galvanized 2-part lid, can be opened from one side
- welding, oil- and watertight
- hydraulic tilting aid



Type VD with castors

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
VD 500	0,50	1370 x 800 x 730	750	117
VD 650	0,65	1440 x 800 x 890	1000	125
VD 800	0,80	1370 x 1200 x 730	1000	137
VD 1000	1,00	1440 x 1200 x 890	1500	151
VG 550	0,55	1370 x 800 x 730	750	125
VG 700	0,70	1440 x 800 x 890	1000	133
VG 900	0,90	1370 x 1200 x 730	1000	150
VG 1100	1,10	1440 x 1200 x 890	1500	163

Fork sleeve inside dimensions in mm



Type	A	B	C
VD 500 – 650	150	200	60
VD 800 – 1000	495	200	60
VG 550 – 700	150	200	60
VG 900 – 1100	495	200	60

TILTING CONTAINER TYPE GU



The Original with low structural height

- an ideal dumping angle
- can be emptied at any height by cable operated from the driver's seat
- body wall with reinforced edging
- sturdy frame with fork sleeves
- can be secured to prevent slipping and unintentional emptying
- wheels can be fitted later
- as swarf container (please refer to page 29)

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake – construction height 220 mm
- galvanized lid, can be opened from both sides
- suitable for crane, lever trolley, pallet truck or bale gripper
- trailer coupling and towing bar
- welding, oil- and watertight
- adjustable dumping brake, this accessory helps to control the tilting process, reduces noise and is easy on the forklift. It can be mounted later if required (kit form available), for GU 500 size upwards



Type GU with lid



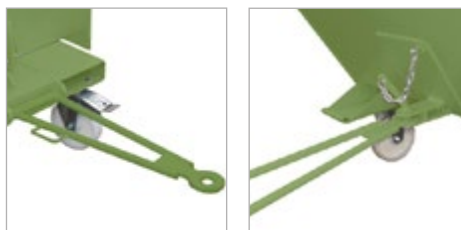
Type GU with castors



Type GU with extensible frame



Type GU with hydraulic tilting aid



Trailer coupling and towing bar



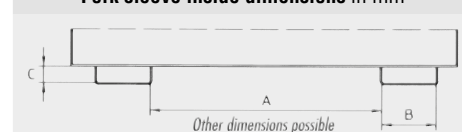
Adjustable dumping brake

Individual construction on request

- e.g. stainless steel
- hydraulic tilting aid
- extensible frame attached by screws to increase the volume (retrofit assembly)

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
GU 300	0,30	1440 x 680 x 580	750	108
GU 500	0,50	1440 x 780 x 680	1000	121
GU 750	0,75	1440 x 1280 x 680	1000	156
GU 1000	1,00	1640 x 1280 x 780	1500	184
GU 1500	1,50	1640 x 1280 x 1090	1500	215
GU 2000	2,00	1640 x 1680 x 1090	1500	246

Fork sleeve inside dimensions in mm



Type	A	B	C
GU 300	12	200	60
GU 500	150	200	60
GU 750-2000	495	200	60

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

TILTING CONTAINER TYPE RD



Tilting Container with arched lid

- spring-loaded, watertight, galvanized arched lid with 2 handles
- body wall with reinforced edging
- sturdy frame
- can be emptied at any height by cable operated from the driver's seat
- can be secured to prevent slipping and unintentional emptying
- wheels can be fitted later

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake – construction height 220 mm
- welding, oil- and watertight
- adjustable dumping brake for type RD 1000
- trailer coupling and towing bar (please refer to page 9)



Type RD with dumping brake

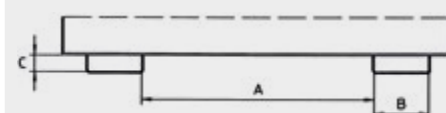


Type RD with castors



Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
RD 750	0,75	1710 x 775 x 1230	1000	210
RD 1000	1,00	1710 x 975 x 1230	1500	228

Fork sleeve inside dimensions in mm			
Type	A	B	C
RD 750	12	200	60
RD 1000	200	200	60



TILTING CONTAINER TYPE BKC



Large volume skip with side pivot

- can be emptied at any height by cable operated from the driver's seat
- body wall with reinforced edging
- sturdy frame with fork sleeves
- can be secured to prevent slipping and unintentional emptying
- with feature to return container to loading position
- 4 and 5 m³ with extensible frame

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm
- galvanized lid, can be opened from both sides
- welding, oil- and watertight
- adjustable dumping brake
- hydraulic tipping aid



Type BKC with extensible frame



Type BKC with hydraulic tipping aid



Type BKC with lid

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
BKC 200	2,0	2340 x 1700 x 1210	2500	457
BKC 300	3,0	2340 x 2230 x 1210	2500	518
BKC 400	4,0	2340 x 2230 x 1470	2500	568
BKC 500	5,0	2340 x 2230 x 1730	2500	604

Fork sleeve inside dimensions in mm			
Type	A	B	C
BKC 200-500	600	200	80

Finish:	RAL 2000	RAL 3000	RAL 5012	RAL 6011	RAL 7005	hot-dip galvanized
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TILTING CONTAINER TYPE DUO/TRIO



For economical collection of materials to be recycled or for waste products

- sturdy frame with fork sleeves
- body wall with reinforced edging
- each compartment can be individually emptied
- can be secured to prevent slipping and unintentional emptying

Types available

Type DUO

- container with 2 chambers à 0,9 m³

Type TRIO

- container with 3 chambers à 0,6 m³



Finish

sturdy frame	RAL 2000
DUO container	RAL 3000
	RAL 5012
TRIO container	RAL 3000
	RAL 2000
	RAL 5012

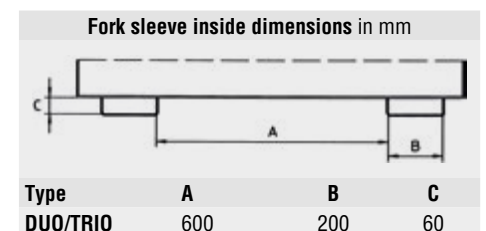
Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm
- galvanized lids, can be opened from one side
- lettering



Type TRIO with lids

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
DUO	2 x 0,9	1665 x 1610 x 1000	1500	258
TRIO	3 x 0,6	1665 x 1675 x 1000	1500	305



TILTING CONTAINER TYPE NK



Low structural height and scissor tilting mechanism

- ideally situated loading centre of gravity
- can be emptied at any height by cable operated from the driver's seat
- body wall with reinforced edging
- sturdy frame with fork sleeves
- can be secured to prevent slipping and unintentional emptying
- wheels can be fitted later

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm
- galvanized lid, can be opened from both sides
- suitable for crane or lever trolley
- welding, oil- and watertight
- trailer coupling and towing bar (please refer to page 9)

Individual construction on request

- e.g. stainless steel



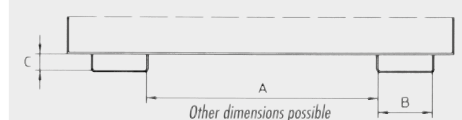
Type NK with castors



Type NK with lid

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
NK 30	0,30	1210 x 840 x 670	750	123
NK 50	0,50	1450 x 840 x 765	1000	149
NK 75	0,75	1700 x 1080 x 885	1500	195
NK 100	1,00	1700 x 1430 x 885	1500	218

Fork sleeve inside dimensions in mm



Type	A	B	C
NK 30-50	300	200	60
NK 75-100	600	200	60

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

LATTICE CONTAINERS TYPE GU-G / BSK-G / SB-G



Type GU-G 1000



Type BSK with traverse type BST 90



Type SB-G 1000

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
GU-G 1000	1,0	1640 x 1280 x 780	500	127
BSK-G 90	0,9	1200 x 1000 x 900	500	67
SB-G 1000	1,0	1035 x 1304 x 1160	500	168

Tilting containers for light materials, e.g. paper, plastics, wood and green waste

- floor made of steel sheeting
- all walls made of wire mesh size 25 x 25 mm
- can be emptied at any height by cable operated from the driver's seat
- can be secured to prevent slipping and unintentional emptying / trap door operation

Types available

Type GU-G

- with low structural height

Type BSK-G

- emptying by traverse (please refer to page 17)

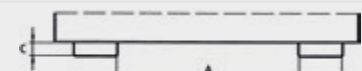
Type SB-G

- emptying via trap door

Accessories

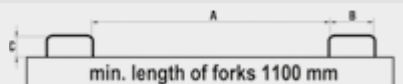
- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm
- galvanized lid

Fork sleeve inside dimensions in mm



Type	A	B	C
GU-G 1000	495	200	60
BST/BKT	450	200	80

Fork sleeve (hoops) inside dimensions in mm



Type	A	B	C
SB-G 1000	630	160	65

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

STACKING TIPPER TYPE BSK-N



Type BSK with traverse type BST

The stacking tipper made of distortion proof steel sheeting in a new design

- can be stacked when full (3 units), compatible with stacking tippers type BSK
- is emptied by cable operated from the driver's seat using the traverse type BST
- as swarf container: type BSS-N (please refer to page 30)

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm (stacking NOT possible)
- galvanized 2-part lid, can be opened from one side (stacking NOT possible)
- welding, oil- and watertight
- crane eyes
- lettering/stickers
- Traverses (please refer to page 17)



Type BSK-N in tilting position



Type BSK-N and BSK stacked

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)*	Load capacity in kg	Weight painted in kg
BSK-N 55	0,55	1000 x 800 x 900	1000	80
BSK-N 70	0,70	1200 x 800 x 900	1000	90
BSK-N 90	0,90	1200 x 1000 x 900	1000	100

*width not including pick-up cones

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

STACKING TIPPER TYPE BSK



The stacking tipper made of distortion proof steel sheeting for heavy duty use

- can be stacked when full (3 units)
- is emptied by cable operated from the driver's seat using the traverse
- as swarf container (please refer to page 30)

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm (stacking NOT possible)
- galvanized 2-part lid, can be opened from one side (stacking NOT possible)
- welding, oil- and watertight
- crane eyes
- lettering/stickers

Type BSK with traverse type BST



BSK's with lids and stickers



Type BSK with castors



Type BSK with lid



Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)*	Load capacity in kg	Weight painted in kg
BSK 30	0,30	800 x 600 x 600	500	50
BSK 55	0,55	1000 x 800 x 900	1000	80
BSK 70	0,70	1200 x 800 x 900	1500	90
BSK 90	0,90	1200 x 1000 x 900	2000	100
BSK 150	1,50	1200 x 1500 x 1000	2000	140
BSK 200	2,00	1200 x 2000 x 1000	2000	170

*width not including pick-up cones

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

TRAVERSES FOR STACKING TIPPERS TYPE BST / BKT



Type BST



Type BST-U

Traverses for emptying the stacking tipper

- can be emptied at any height by cable operated from the driver's seat
- can be secured to prevent slipping

Types available

Type BST

- stirrups for pick-up by a forklift truck
- stacking tipper is picked up using the cones

Type BST-H

- similar to the type BST but with hydraulic tilting aid

Type BST-U

- fork sleeves at the base of the traverse
- ensures optimal use of the truck's lifting range

Type BKT

- for use with a forklift truck or crane, stacking tipper is picked up using the cones



Type BST-H



Type BKT

Accessories

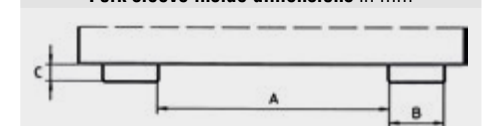
- traverse stand type TS



Type BST-H with Type TS

Type	For stacking tipper volume (approx) in m³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight in kg
BST 30 / BST-H 30	0,30	945 x 730 x 845 / 900 x 870 x 1035	500	71 / 142
BST 55 / BST-H 55	0,55	945 x 930 x 975 / 900 x 1070 x 1035	1000	79 / 154
BST 70 / BST-H 70	0,70	945 x 930 x 975 / 900 x 1070 x 1035	1500	79 / 154
BST 90 / BST-H 90	0,90	945 x 1130 x 975 / 900 x 1270 x 1035	2000	85 / 162
BST 150 / BST-H 150	1,50	940 x 1630 x 1085 / 900 x 1770 x 1095	2000	156 / 250
BST 200 / BST-H 200	2,00	940 x 2130 x 1085 / 900 x 2270 x 1095	2000	173 / 272
BST-U 30	0,30	1185 x 1144 x 933	500	163
BST-U 55	0,55	1185 x 1344 x 1053	1000	176
BST-U 70	0,70	1185 x 1344 x 1053	1500	176
BST-U 90	0,90	1185 x 1544 x 1053	2000	182
BKT 30	0,30	1350 x 730 x 900	500	91
BKT 55	0,55	1350 x 930 x 1030	1000	99
BKT 70	0,70	1350 x 930 x 1030	1500	99
BKT 90	0,90	1350 x 1130 x 1030	2000	103
BKT 150	1,50	1450 x 1630 x 1090	2000	200
BKT 200	2,00	1450 x 2130 x 1090	2000	222

Fork sleeve inside dimensions in mm



Type	A	B	C
BST/BST-H/BKT 30	110	200	80
BST/BST-H/BKT 55-70	250	200	80
BST/BST-H/BKT 90-150	450	200	80
BST/BST-H/BKT 200	590	200	80
BST-U 30	720	200	60
BST-U 55-70	920	200	60
BST-U 90	1120	200	60

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

UNIVERSAL CONTAINER TYPE UC



Type UC with lid

Ideal for collection and transport of bulk goods, production waste and material to be recycled

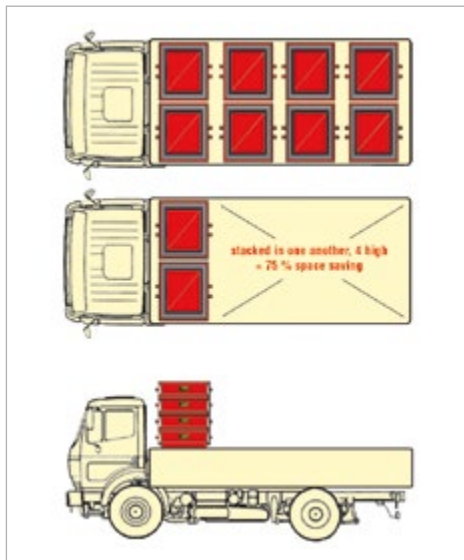
- conical construction
- can be stacked in one another
- economical logistics thanks to space-saving transport
- can be transported by a pallet truck, forklift truck, site dumper or crane

Accessories

- pick-up feature for hydraulic traverse type UCT
- hydraulic traverse type UCT
- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm
- galvanized lid, can be opened from both sides (stacking NOT possible)

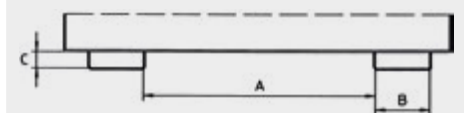


Type UC with pick-up feature for hydraulic traverse and hydraulic traverse type UCT



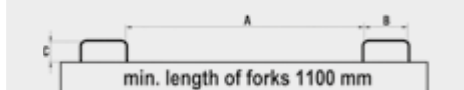
Tipping Equipment Type KGH (please refer to page 53)

Fork sleeve inside dimensions in mm



Type	A	B	C
UC 500-1000	615	180	94
UCT	520	200	60

Fork sleeve (hoops) inside dimensions in mm



Type	A	B	C
UC 500-1000	615	160	60

Type	Volume (approx.) in m³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
UC 500	0,50	1040 x 1200 x 680	1000	94
UC 750	0,75	1040 x 1200 x 955	1500	109
UC 1000	1,00	1040 x 1200 x 1215	2000	122
UCT		800 x 1365 x 1210	2000	223

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

CONTAINER WITH DROP AWAY BASE TYPE FB



Type FB with guiding plates

Ideal for collection, storage and transfer of materials to be recycled

- sturdy steel construction with smooth interior walls
- trap door operated by cable from the driver's seat
- rubber cushioning to lessen the impact when the trap door is opened
- trap door closes automatically when the container is set down on the ground
- can be secured to prevent slipping and unintentional trap door operation
- suitable for forklift truck and crane
- 100 mm ground leeway, suitable for pallet truck
- with 4 crane eyes Ø 40 mm
- can be stacked (3 units)

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm
- galvanized lid, can be opened from both sides
- trap door with galvanized guiding plates



Type FB with castors



Type FB with lid



Type FB with lid



Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
FB 500	0,50	800 x 1200 x 860	1000	125
FB 750	0,75	800 x 1200 x 1160	1000	144
FB 1000	1,00	1000 x 1200 x 1160	1250	158
FB 1500	1,50	1000 x 1800 x 1160	1500	202
FB 2000	2,00	1000 x 1800 x 1460	1500	232

Fork sleeve (hoops) inside dimensions in mm			
Type	A	B	C
FB 500-1000	415	185	75
FB 1500-2000	615	185	75

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

CONTAINER WITH DROP AWAY BASE **TYPE BKB**



Conical container with bottom discharge

- can be stacked in one another
- trap door operated by cable from the driver's seat
- trap door closes automatically when the container is set down on the ground, opening angle 90°
- sturdy construction with reinforced edging
- suitable for forklift truck and crane
- 100 mm ground leeway, suitable for pallet truck
- can be secured to prevent slipping and unintentional trap door operation
- wheels can be fitted later

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm
- galvanized lid, can be opened from both sides (stacking NOT possible)



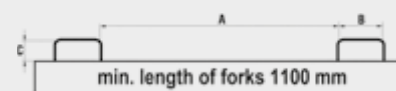
Type BKB with lid



Type BKB with castors

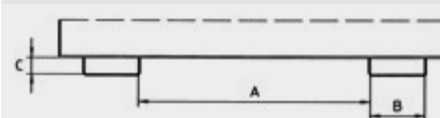
Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
BKB 500	0,50	1040 x 1200 x 721	1000	126
BKB 700	0,70	1040 x 1200 x 971	1500	145
BKB 1000	1,00	1040 x 1200 x 1271	2000	169

Fork sleeve (hoops) inside dimensions in mm



Type	A	B	C
BKB 500-1000	600	180	65

Fork sleeve inside dimensions in mm



Type	A	B	C
BKB 500-1000	600	190	90

CONTAINER WITH DROP AWAY BASE **TYPE SB**



The economical way to collect waste or to commission solids using a minimum of space

- sturdy construction, trap door with reinforcement
- trap door closes automatically when skip touches the ground
- suitable for forklift truck and crane
- guiding plates for trap door
- trap door operated by cable
- can be secured to prevent slipping and unintentional trap door operation
- can be stacked (3 units)
- wheels can be fitted later

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 175 mm, one swivel castor with brake - construction height 220 mm
- galvanized lid, can be opened from both sides



Type SB with lid

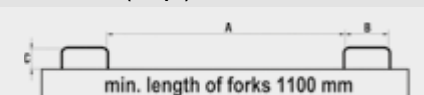


Type SB with castors



Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
SB 500	0,50	1035 x 1304 x 700	1000	165
SB 750	0,75	1035 x 1304 x 930	1500	192
SB 1000	1,00	1035 x 1304 x 1160	2000	211
SB 1500	1,50	1035 x 1904 x 1160	2000	265
SB 2000	2,00	1035 x 1904 x 1465	2000	304

Fork sleeve (hoops) inside dimensions in mm



Type	A	B	C
SB 500-2000	630	160	65

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

BUILDING MATERIAL CONTAINER TYPE BC



Type BC with gripping unit release



Type BC with gripping unit release



The perfect complement - a filling hopper (please refer to page 37)

The best way to provide economic logistical support for building sites

- sturdy construction for heavy duty use
- bottom discharge
- reinforced trap door with 2 locks
- trap door operated by cable
- suitable for pallet truck, forklift truck or crane
- special edging on all sides for pickup by a mason's gripping unit

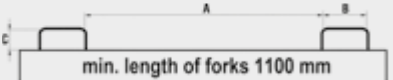
Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm
- galvanized lid, can be opened from both sides
- release feature to operate trap door using mason's gripping unit

Individual construction on request

- e.g. stainless steel

Fork sleeve (hoops) inside dimensions in mm



Type	A	B	C
BC 500-1000	630	160	65

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
BC 500	0,50	1035 x 1304 x 700	1000	187
BC 1000	1,00	1035 x 1304 x 1160	2000	235

CONTAINERS WITH DROP AWAY BASE TYPE 2 K/3 K

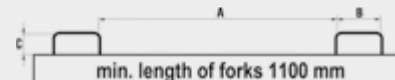


Type 2 K with lettering



Type 3 K with lid and lettering

Fork sleeve (hoops) inside dimensions in mm



Type	A	B	C
2 K / 3 K	600	160	60

The economical way to collect both waste and materials for recycling

- sturdy frame with fork sleeves
- body wall with reinforced edging
- each compartment can be individually emptied via the trap door
- suitable for pick-up by a forklift truck or crane
- 100 mm ground leeway, suitable for pallet trucks
- can be secured to prevent slipping and unintentional trap door operation

Types available

Type 2 K

- container with 2 chambers

Type 3 K

- container with 3 chambers

Accessories

- galvanized trolley, with 2 swivel and 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm
- galvanized lid, can be opened from one side, with gas compression springs and handle
- lettering/stickers

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg (unit/compartments)	Weight painted in kg
2 K	2 x 0,9	985 x 1870 x 1275	1500 / 750	208
3 K	3 x 0,6	985 x 1870 x 1275	1500 / 500	234
Trolley		1025 x 1440 x 284		37

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

CYLINDRICAL CONTAINER TYPE RB



Type RB with castors

The first cylindrical bottom discharge container

- steel sheeting construction
- handgrip for manual positioning or pick-up by a forklift truck or crane
- trap door operated by cable
- rubber cushioning lessens the impact when the trap door is opened, opening angle 90°
- trap door closes automatically when the container is set down on the ground
- can be secured to prevent slipping and unintentional trap door operation

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 100 mm, one swivel castor with brake - construction height 125 mm
- aluminium lid, removable

Type	Volume (approx.) in m ³	Dimensions in mm (Øxh)	Load capacity in kg	Weight painted in kg
RB 300	0,30	865 x 775	500	60
RB 450	0,45	865 x 1085	500	70

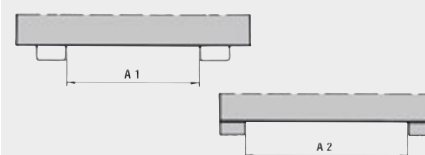
CONTAINERS WITH DROP AWAY BASE TYPE HKB



Transport and storage container for controlled bottom discharge

- hydraulic accessory fitted to the forklift truck controls emptying and enables the trap door to be opened gradually
- made of profi led steel sheeting with reinforced edging
- side walls with vertical pleats for easy discharge - even for bulk materials which are difficult to handle
- smooth trap door with integrated side plates to facilitate accurate emptying
- can be stacked (3 units)
- suitable for pallet truck, forklift truck or crane

Dimensions for pick-up: A1=lengthwise/A2=crosswise in mm



Type	Volume (approx.) in m ³	Inside dimensions in mm (l x w x h)	External dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
HKB 60	0,6	1000 x 800 x 730	1120 x 920 x 850	1500	153
HKB 70	0,7	1200 x 800 x 730	1320 x 920 x 850	2000	185
HKB 90	0,9	1200 x 1000 x 730	1320 x 1120 x 850	2000	219

Type	A 1	A 2
HKB 60	600	600
HKB 70	800	600
HKB 90	800	800

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

TIPPING SKIPS TYPE KK / KN



Type KK



Type KK with castors (solid rubber)

Ideal for collection and disposal of bulk solids and industrial waste

- sturdy steel sheeting construction with reinforced edging
- tiltable skip with handle
- sturdy frame with fork sleeves
- easy to manoeuvre using a forklift truck
- welding, oil- and watertight
- can be secured to prevent slipping and unintentional emptying
- wheels can be fitted later
- as swarf container (please refer to page 27)

Types available

Type KK

- box-shaped execution

Type KN

- low execution

Accessories

- 2 swivel + 2 fixed solid rubber castors Ø 200 x 50 mm, 1 swivel castor with brake - construction height 235 mm
- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm
- galvanized lid, can be opened from both sides



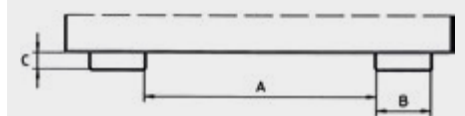
Type KN



Type KN with castors (polyamide)

Type	Volume approx. in l	Dimensions in mm (l x w x h)	Height dumping edge in mm	Load capacity in kg	Weight painted in kg
KK 250	250	1130 x 590 x 740	440	300	70
KK 400	400	1320 x 670 x 840	490	300	77
KK 600	600	1390 x 840 x 910	520	300	125
KK 800	800	1420 x 910 x 980	560	300	133
KK 1000	1000	1420 x 1110 x 980	560	300	145
KN 250	250	1320 x 670 x 535	535	300	70
KN 400	400	1390 x 840 x 610	610	300	77

Fork sleeve inside dimensions in mm



Type	A	B	C
KK 250	205	170	55
KK 400/KN 250	285	170	55
KK 600/KN 400	455	170	55
KK 800	525	170	55
KK 1000	725	170	55

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

BARROW TIPPER TYPE KW



Type KW-ET

For all kinds of bulk goods, is emptied at ground level

- sturdy steel sheeting construction with reinforced edging
- frame made of steel tubing
- welding, oil- and watertight
- spring safety fastening
- 2 wheels + 1 swivel castor (as of volume 600 litres upwards + 2 swivel castors) made of solid rubber Ø 250 x 60 mm, one swivel castor with brake
- handle
- as swarf container (please refer to page 27)

Types available

Type KW

- without fork sleeves

Type KW-ET

- fork sleeves can be secured to prevent slipping and unintentional emptying

Accessory

- galvanized lid, can be opened from both sides



Type KW-ET with lid



Type KW-ET



Type KW



as of volume 600 litres upwards + 2 swivel castors

Type	Volume (approx.) in l	Dimensions in mm (l x w x h)	Height dumping edge in mm	Load capacity in kg	Weight painted in kg	
					KW	KW-ET
KW (-ET) 250	250	1120 x 820 x 990	690	300	69	80
KW (-ET) 400	400	1330 x 900 x 1090	740	300	84	96
KW (-ET) 600	600	1400 x 1070 x 1220	830	300	128	140
KW (-ET) 1000	1000	1430 x 1340 x 1285	870	300	156	168

Fork sleeve inside dimensions in mm

Type	A	B	C
KW-ET 250-1000	465	170	55

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

TIPPING SKIP TYPE KS



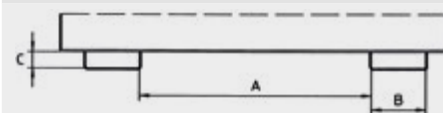
Type KS

Type	Volume (approx.) in l	Dimensions in mm (l x w x h)	Height dumping edge in mm	Load capacity in kg	Weight painted in kg
KS 400	400	1220 x 1010 x 1115	1020	1000	107
KS 550	550	1245 x 1200 x 1170	1055	1000	120
KS 700	700	1340 x 1200 x 1275	1175	1000	132

High flexibility during transport and emptying of bulk materials

- castors and handle ensure an easy manual transport
- fork sleeves for transport by a forklift truck
- is emptied at ground level or emptying with forklift truck over large volume skip
- sturdy steel construction
- sturdy frame with fork sleeves
- tiltable skip
- can be secured to prevent slipping and unintentional emptying
- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm, max. load capacity 1000 kg

Fork sleeve inside dimensions in mm



Type	A	B	C
KS 400	100	200	80
KS 550	180	200	80
KS 700	180	200	80

SWARF TIPPING SKIP TYPE SKS



Type SKS

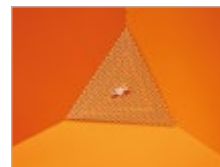
Type	Volume (approx.) in l	Dimensions in mm (l x w x h)	Height dumping edge in mm	Load capacity in kg	Weight painted in kg
SKS 400	400	1220 x 1010 x 1115	1020	1000	109
SKS 550	550	1245 x 1200 x 1170	1055	1000	122
SKS 700	700	1340 x 1200 x 1275	1175	1000	134

High flexibility during transport and emptying of shavings

- similar to type KS but with perforated sieve and 1" drain-cock designed to separate liquids from solids and drain them

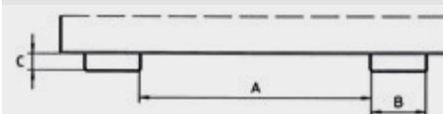


1" drain-cock



Perforated intermediate floor

Fork sleeve inside dimensions in mm



Type	A	B	C
SKS 400	100	200	80
SKS 550	180	200	80
SKS 700	180	200	80

SWARF TIPPING SKIPS TYPE SKK / SKN



Type SKK with castors



Type SKK



Drain-cock 1"



Perforated sieve



Type SKN

Type	Volume (approx.) in l	Dimensions in mm (l x w x h)	Height dumping edge in mm	Load capacity in kg	Weight painted in kg
SKK 250	250	1130 x 590 x 740	440	300	70
SKK 400	400	1320 x 670 x 840	490	300	77
SKK 600	600	1390 x 840 x 910	520	300	125
SKK 800	800	1420 x 910 x 980	560	300	133
SKK 1000	1000	1420 x 1110 x 980	560	300	145
SKN 250	250	1320 x 670 x 535	535	300	70
SKN 400	400	1390 x 840 x 610	610	300	77

Low construction height makes this unit particularly well-suited for low-level swarf discharge

- perforated sieve and 1" drain-cock designed to separate liquids from solids and drain them
- tiltable skip with handle
- sturdy frame with fork sleeves
- welding, oil- and watertight
- can be secured to prevent slipping and unintentional emptying

Types available

Type SKK

- box-shaped execution

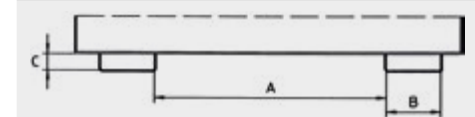
Type SKN

- low execution

Accessories

- 2 swivel + 2 fixed solid rubber castors Ø 200 x 50 mm, 1 swivel castor with brake - construction height 235 mm
- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm
- galvanized lid, can be opened from both sides

Fork sleeve inside dimensions in mm



Type	A	B	C
SKK 250	205	170	55
SKK 400/SKN 250	285	170	55
SKK 600/SKN 400	455	170	55
SKK 800	525	170	55
SKK 1000	725	170	55

SWARF BARROW TIPPER TYPE SKW



Type SKW-ET



1" drain-cock



Perforated intermediate floor

Specially designed to collect metal shavings, is emptied at ground level

- perforated intermediate floor, perforation Ø 3 mm, separation 6 mm and 1" drain-cock
- welding, oil- and watertight
- spring safety fastening, handle
- 2 wheels + 1 swivel castor (as of volume 600 litres upwards + 2 swivel castors) made of solid rubber Ø 250 x 60 mm, one swivel castor with brake

Types available

Type SKW

- without fork sleeves

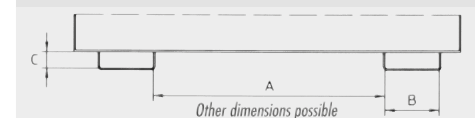
Type SKW-ET

- with fork sleeves incl. safety chain

Accessory

- galvanized lid, can be opened from both sides

Fork sleeve inside dimensions in mm



Type	A	B	C
SKW-ET 250-1000	465	170	55

Type	Volume (approx.) in l	Dimensions in mm (l x w x h)	Height dumping edge in mm	Load capacity in kg	Weight painted in kg
SKW (-ET) 250	250	1120 x 820 x 990	690	300	74 85
SKW (-ET) 400	400	1330 x 900 x 1090	740	300	89 101
SKW (-ET) 600	600	1400 x 1070 x 1220	830	300	133 145
SKW (-ET) 1000	1000	1430 x 1340 x 1285	870	300	161 173

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

SWARF CONTAINER TYPE SKM



Specially designed to separate liquids from solids and collect them

- perforated sieve, perforation \varnothing 3 mm, separation 6 mm
- 1" drain-cock for drainage of liquids
- ideally situated loading centre of gravity
- can be emptied at any height by cable from the driver's seat
- body wall with reinforced edging
- sturdy frame with fork sleeves
- can be secured to prevent slipping and unintentional emptying
- welding, oil- and watertight
- with castors and handle

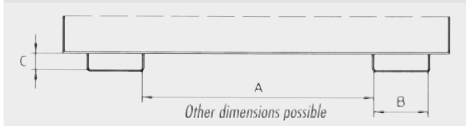
Accessory

- galvanized lid, can be opened from both sides

Individual construction on request

- e.g. stainless steel

Fork sleeve inside dimensions in mm



Type	A	B	C
SKM 30	280	200	70
SKM 50-75	30	200	70

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
SKM 30	0,30	1300 x 820 x 800	1000	115
SKM 50	0,50	1300 x 1280 x 800	1000	145
SKM 75	0,75	1620 x 1180 x 1060	1250	180

SWARF CONTAINER TYPE S3S



Type S3S ready to empty to the left

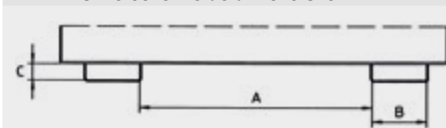


Perforated sieve



Drain-cock 1"

Fork sleeve inside dimensions in mm



Type	A	B	C
S3S	600	200	80

Type	Volume (approx.) in m ³	External dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
S3S 300	0,30	1460 x 1010 x 890	750	197
S3S 600	0,60	1460 x 1070 x 890	1000	230

A Tilting Container that can be emptied in three directions

- perforated sieve and 1" drain-cock designed to collect metal shavings
- easy to set in the emptying direction required - forwards, to the left or to the right
- can be emptied at any height by cable operated
- body wall with reinforced edging
- sturdy frame with fork sleeves
- can be secured to prevent slipping and unintentional emptying
- wheels can be fitted later
- welding, oil- and watertight

Accessory

- 2 swivel + 2 fixed polyamide castors \varnothing 180 mm, one swivel castor with brake - construction height 220 mm
- galvanized lid, can be opened from both sides

SWARF CONTAINER TYPE SGU



Specially designed to separate liquids from solids and collect them

- perforated intermediate floor 100 mm above the floor, perforation Ø 3 mm, separation 6 mm
- 1" drain-cock for drainage of liquids
- can be emptied at any height by cable operated from the driver's seat
- body wall with reinforced edging
- sturdy frame with fork sleeves
- can be secured to prevent slipping and unintentional emptying
- welding, oil- and watertight

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm
- galvanized lid, can be opened from both sides
- supporting feet for use with a pallet truck
- suitable for crane, lever trolley, pallet truck or bale gripper
- adjustable dumping brake (please refer to page 9) from type SGU 50



Drain-cock 1"

Perforated intermediate floor



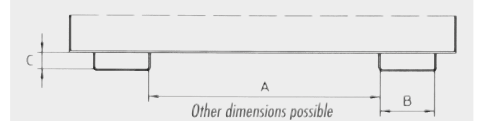
Perforated intermediate floor



Type SGU with supporting feet

Type	Volume (approx.) in m³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
SGU 30	0,30	1440 x 680 x 580	750	125
SGU 50	0,50	1440 x 780 x 680	1000	137
SGU 75	0,75	1440 x 1280 x 680	1000	182
SGU 100	1,00	1640 x 1280 x 780	1500	211
SGU 150	1,50	1640 x 1280 x 1090	1500	247

Fork sleeve inside dimensions in mm



Type	A	B	C
SGU 30	12	200	60
SGU 50	150	200	60
SGU 75-150	495	200	60

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

SWARF STACKING TIPPERS TYPE BSL / BSS



Type BSL



Perforated intermediate floor



Perforated sieve



Drain-cock 1"

Swarf stacking tipper made of distortion proof steel sheeting for heavy duty use

- smooth floor (3 mm)
- welding, oil- and watertight
- is emptied by cable operated from the driver's seat using the traverse
- can be stacked when full (3 units)

Types available

Type BSL

- perforated intermediate floor and 1" drain-cock fitted to the inclined wall

Type BSS

- perforated sieve and 1" drain-cock fitted to the inclined wall

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)*	Load capacity in kg	Weight painted in kg
BSL 30/BSS 30	0,30	800 x 600 x 600	500	60 / 55
BSL 55/BSS 55	0,55	1000 x 800 x 900	1000	95 / 85
BSL 70/BSS 70	0,70	1200 x 800 x 900	1500	105 / 95
BSL 90/BSS 90	0,90	1200 x 1000 x 900	2000	120 / 105
BSL 150/BSS 150	1,50	1200 x 1500 x 1000	2000	180 / 160
BSL 200/BSS 200	2,00	1200 x 2000 x 1000	2000	235 / 210

*width not including pick-up cones

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm (stacking NOT possible)
- galvanized 2-part lid, can be opened from one side (stacking NOT possible)
- traverses (please refer to page 17)

SWARF STACKING TIPPER TYPE BSS-N



Type BSS-N



Drain-cock 1"



Perforated sieve

Swarf stacking tipper made of distortion proof steel sheeting in new design

- Swarf Container with drain-cock 1" and perforated sieve
- welding, oil- and watertight
- is emptied by cable operated from the driver's seat using the traverse type BST

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm (stacking NOT possible)
- galvanized 2-part lid, can be opened from one side (stacking NOT possible)
- traverses (please refer to page 17)

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)*	Load capacity in kg	Weight painted in kg
BSS-N 55	0,55	1000 x 800 x 900	1000	80
BSS-N 70	0,70	1200 x 800 x 900	1000	90
BSS-N 90	0,90	1200 x 1000 x 900	1000	100

*width not including pick-up cones

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

TIPPING CART TYPE KJ / ROCKING TIPPER TYPE MUK



A transport cart with a tipping pan that can be used anywhere and everywhere

- sturdy construction
- welding, oil- and watertight
- double-folded top rim with reinforced corners
- with 3 crane eyes
- steel tubing frame with supporting feet
- hub with wheel-bearing
- choice of tyres Ø 400 mm solid rubber (type ...-V) or pneumatic rubber (type ...-I)

Types available

Type KJ

- tipping pan empties forwards
- automatic pan locking mechanism

Type MUK

- the tipper can be emptied using the runners

Type	Volume (approx.) in l	Dimensions in mm (l x w x h)	Weight painted in kg
KJ 150	150	1460 x 840 x 640	52
KJ 250	250	1500 x 840 x 825	63
MUK 140	140	1310 x 900 x 620	49
MUK 250	250	1650 x 900 x 680	58

LORRY-TIPPER TYPE LK



Container that can be emptied in two directions and picked up by forks from all four sides

- sturdy construction
- can be picked up by forks from all four sides
- trough that can be emptied in two directions
- easy to unlock
- can be secured to prevent slipping and unintentional emptying

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm
- galvanized lid, removable

Type	Volume (approx.) in l	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
LK 300	300	800 x 920 x 970	300	68
LK 600	600	1400 x 920 x 970	300	100

Fork sleeve inside dimensions in mm			
Type	A	B	C
LK 300	330 / 220	170	60
LK 600	330 / 495	170	60

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

SILO CONTAINERS TYPE SR / SG / SRE



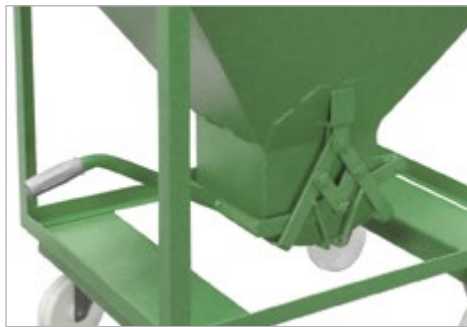
Type SR



Type SG



Type SRE



Special manually operated scissor lock (SR, SG, SRE)



Slide closure with a special seal on the hopper floor (SR-D, SG-D, SRE-D)



Type SRE-D with lid



Type SR-D with crane eyes

Controlled discharge of solids

- special manually operated scissor lock 300 x 300 mm
- frame made of steel tubing
- hopper made of steel plating with reinforced edging

Types available

Type SR

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, 1 swivel castor with brake - construction height 220 mm

Type SG

- fork sleeves inside dimensions (wxh) = 175x65 mm, distance 565 mm
- stacking corners

Type SRE

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, 1 swivel castor with brake - construction height 220 mm
- fork sleeves inside dimensions (wxh) = 175x65 mm, distance 565 mm

Types SR-D, SG-D, SRE-D

- design see above but with slide closure with a special seal on the hopper floor, for manual use, opening 300x300 mm, preferred for fine-grained bulk materials

Accessories

- galvanized lid, removable
- crane eyes

Individual construction on request

- e.g. stainless steel

Type	Volume (approx.) in l	Dimensions in mm (l x w x h)	Hopper in mm (l x w x h)	Weight painted in kg
SR/SR-D 375	375	1115 x 780 x 1220	1010 x 780 x 1000	109
SRE/SRE-D 375	375	1115 x 780 x 1300	1010 x 780 x 1000	123
SG/SG-D 375	375	1090 x 860 x 1170	1010 x 780 x 1000	116
SR/SR-D 600	600	1115 x 780 x 1600	1010 x 780 x 1380	135
SRE/SRE-D 600	600	1115 x 780 x 1680	1010 x 780 x 1380	151
SG/SG-D 600	600	1090 x 860 x 1550	1010 x 780 x 1380	143

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

SILO CONTAINERS TYPE SGK / SGS



Type SGK



Type SGS



Type SGS

For collecting and emptying at the front of bulk materials

- hopper made of steel sheeting with reinforced edging
- angle of inclination (floor) 30°
- basic frame with fork sleeves
- can be secured to prevent slipping
- suitable for forklift truck or crane
- can be moved using a pallet truck
- can be stacked (3 units)

Types available

Type SGK

- with front flap that is opened by pulling the operating cable from the driver's seat
- opening (w x h) 1050 x 650 mm

Type SGS

- with a sliding closure at the front, can be locked in position, manually operated
- opening (w x h) 250 x 250 mm



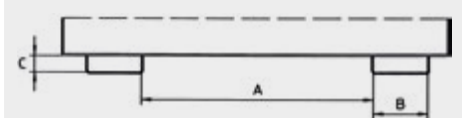
Type SGK



Type SGK stacked

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
SGK 50	0,50	1000 x 1200 x 935	750	103
SGK 75	0,75	1000 x 1200 x 1170	1000	122
SGK 100	1,00	1000 x 1200 x 1405	1500	141
SGS 50	0,50	1000 x 1200 x 1025	750	92
SGS 75	0,75	1000 x 1200 x 1260	1000	111
SGS 100	1,00	1000 x 1200 x 1495	1500	130

Fork sleeve (hoops) inside dimensions in mm



Type	A	B	C
SGK, SGS 50-100	600	200	80

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

BUILDING MATERIAL TIPPER TYPE BKG



Specially designed for transporting and handling of materials at building sites

- sturdy construction made of steel sheeting
- with integrated crane traverse for easy emptying via crane



Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
BKG 500	0,5	1250 x 1305 x 570	1000	160
BKG 1000	1,0	1740 x 1560 x 570	2000	250
BKG 1500	1,5	1740 x 1800 x 760	2000	320

MATERIAL CONTAINER TYPE BBM



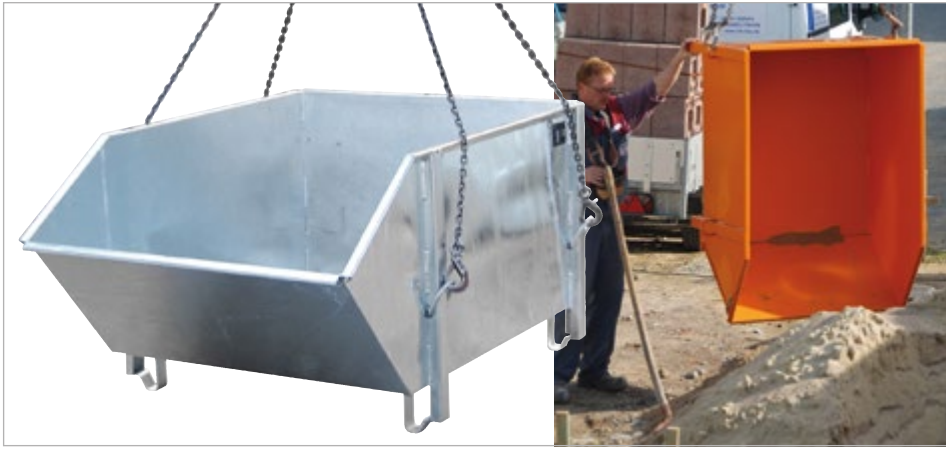
For the storage of small parts

- sturdy construction made of smooth steel sheeting
- can be stacked (3 units)



Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
BBM	0,5	1070 x 810 x 710	1000	57

BUILDING MATERIAL CONTAINERS TYPE BBG / BBK / BBP



Type BBG



Type BBK

Indispensable aid for remedial-, new building- or modernisation work

- can be stacked (3 units)

Type BBG

- sturdy steel construction made of smooth steel sheeting

Type BBK

- sturdy construction made of smooth steel sheeting
- with hinged inclined wall for easy loading p.e. with wheelbarrow
- reinforced strutting on the rear side of the front flap
- secure on both sides to close the front flap

Type BBP

- sturdy construction made of distortion-proof steel sheeting

Accessories

- cones for emptying via tilting traverse type BBT
- galvanized lid, lockable



Type BBP with cones



Type BBG with lid

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Extra load in kg	Weight painted in kg
BBP 100	1,0	1520 x 1070 x 800	1500	4500	100
BBG 100	1,0	1520 x 1070 x 800	1500	4500	106
BBK 100	1,0	1520 x 1070 x 800	1500	4500	110

TILTING TRAVERSE FOR BUILDING MATERIAL CONTAINERS TYPE BBT



Type BBT

Type BBT with type BBP

Traverse for emptying the building material containers with cones

- can be emptied at any height
- suitable for forklift truck and crane
- can be secured to prevent slipping and unintentional emptying

Type	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
BBT	1350 x 1210 x 1030	2000	100

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

COLLECTING SYSTEM TYPE SBS



Collection and transport system

- sturdy steel sheeting construction
- suitable for forklift truck or crane
- even different sizes can be stacked (max. 3 units)
- optimized stacking dimensions mean the whole loading surface of the truck can be used - stacking supports 600 mm apart, height 850 mm
- finish see colour chart

Accessory

- trolley with wheels



Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
SBS 500	0,50	600 x 1200 x 850	500	122
SBS 1000	1,00	1200 x 1200 x 850	1000	184
SBS 2000	2,00	1200 x 2400 x 850	2250	263

Fork sleeve inside dimensions in mm

Type	A	B	C
SBS 500-2000	600	195	60

Finish:

RAL 2000

RAL 3000

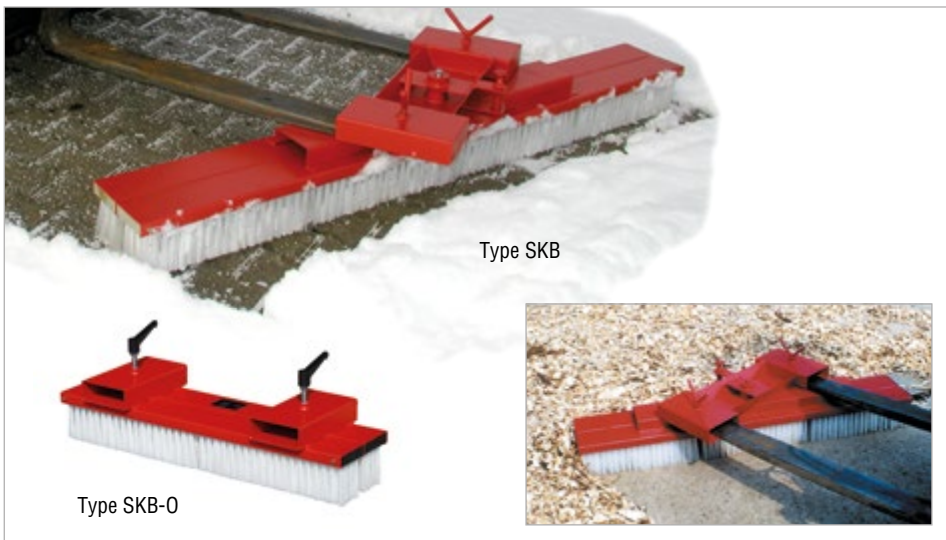
RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

BROOM TYPE SKB



The quick and economical way to clear parking areas, drives, paths, storage and shop floor areas, yards etc.

- sturdy steel construction
- fork sleeves for pick-up by a forklift truck
- can be secured to prevent slipping
- suitable for forklift trucks, site dumpers and other vehicles equipped with forks
- durable brush elements, can be individually replaced
- spray painted **RAL 3000**

Types available

Type SKB

- adjustable: can be positioned to the right or to the left

Type SKB-O

- without lateral adjustability

Individual construction on request

Type	Dimensions in mm (l x w x h)	Weight in kg
SKB 100	350 x 1000 x 300	45
SKB 150	350 x 1500 x 300	55
SKB 200	350 x 2000 x 300	65
SKB-O 100	305 x 1000 x 235	30
SKB-O 150	305 x 1500 x 235	40
SKB-O 200	305 x 2000 x 235	50

Fork sleeve inside dimensions in mm

Type	A	B	C
SKB 100-200 / SKB-O 100-200	450	160	60

FILLING HOPPERS TYPE SBT / BTS / BTM



Type BTM



Type BTS



Type SBT



Type BTS with building materials container type BC (please refer to page 22)

Type	Dimensions (approx.) in mm (l x w x h)	Hopper opening (top) in mm (l x w)	Hopper opening (bottom) in mm (l x w)	Weight in kg
SBT	1320 x 1710 x 990	1200 x 1600	800 x 600	221
BTS	980 x 1980 x 2050	850 x 1875	500 x 700	311
BTM	1700 x 1980 x 2050	850 x 1875	500 x 700	341

The simple and safe way to discharge bulk solids in BIG-BAGS and containers

Types available

Type SBT

- hopper made of steel sheeting with reinforced edging
- sturdy frame with through forklift sleeves
- can be secured to prevent slipping
- with stirrups
- with 4 hooks under the fork sleeves

Type BTS

- similar to the SBT but with supporting stand
- prepared for anchorage to the ground
- ground leeway 1190 mm

Type BTM

- similar to the BTS but for mobile targeted applications

Fork sleeve inside dimensions in mm

Type	A	B	C
SBT	720	200	80
BTS/BTM	930	200	80

TRAVERSE FOR BIG-BAGS TYPE TBB



Traverse for the transport of the BIG-BAGS

- sturdy steel construction
- suitable for crane and fork lift trucks
- pick-ups for BIG-BAGS
- Load capacity 2000 kg

Type	Dimensions in mm (l x w x h)	Weight painted in kg
TBB	1095 x 1095 x 215	38

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

SHOVELS TYPE BSE / BSM / BSI



Type BSE

The original BAUER shovel for handling and transporting bulk materials

- simple pick-up using forks
- can be emptied at any height by cable operated from the driver's seat
- body walls with reinforced edging
- special steel blade trim
- sturdy frame
- can be secured to prevent slipping

Types available

Type BSE

- mechanical

Type BSE-H

- hydraulic

Type BSM

- mechanical, with trough opening for forks

Type BSM-H

- hydraulic, with trough opening for forks

Type BSI

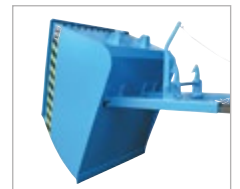
- mechanical



Type BSI



Type BSE-H



Type BSI



Type BSM



Type BSM

Type	Volume (approx.) in m ³	Dimensions of trough in mm (l x w x h)	Load capacity in kg	Weight in kg			
				BSE	BSE-H	BSM	BSM-H
BSE/BSE-H/BSM/BSM-H 50	0,50	1000 x 1100 x 500	1000	196	204	180	188
BSE/BSE-H/BSM/BSM-H 75	0,75	1200 x 1200 x 550	1500	228	235	210	217
BSE/BSE-H/BSM/BSM-H 80	0,80	1200 x 1300 x 550	1500	236	243	218	225
BSE/BSE-H/BSM/BSM-H 85	0,85	1200 x 1400 x 550	1500	244	252	226	234
BSE/BSE-H/BSM/BSM-H 90	0,90	1200 x 1500 x 550	1500	254	261	236	243
BSE/BSE-H/BSM/BSM-H 100	1,00	1300 x 1600 x 650	2000	320	327	312	319
BSE/BSE-H/BSM/BSM-H 120	1,20	1300 x 1700 x 650	2500	330	337	322	329
BSE/BSE-H/BSM/BSM-H 150	1,50	1500 x 1800 x 600	3000	374	380	368	374
BSE/BSE-H/BSM/BSM-H 170	1,70	1500 x 1900 x 600	3000	385	393	377	383
BSE/BSE-H/BSM/BSM-H 200	2,00	1600 x 2000 x 650	3000	425	432	413	419
BSE/BSE-H/BSM/BSM-H 210	2,10	1600 x 2100 x 650	3000	438	444	426	432
BSE/BSE-H/BSM/BSM-H 220	2,20	1600 x 2200 x 650	3000	449	457	437	445
BSE/BSE-H/BSM/BSM-H 230	2,30	1600 x 2300 x 650	3000	460	468	448	456
BSE/BSE-H/BSM/BSM-H 240	2,40	1600 x 2400 x 650	3000	471	479	459	467
BSE/BSE-H/BSM/BSM-H 250	2,50	1600 x 2500 x 650	3000	484	492	472	480
BSI 50	0,50	1250 x 1250 x 400	750			183	
BSI 75	0,75	1250 x 1250 x 600	1000			203	
BSI 100	1,00	1250 x 1250 x 800	1500			223	

Fork sleeve inside dimensions in mm

Type	A	B	C
BSE/BSE-H 50	480	170	75
BSE/BSE-H 75-85	580	170	75
BSE/BSE-H 90-120	680	170	75
BSE/BSE-H 150-200	780	200	85
BSE/BSE-H 210-240	880	200	85
BSE/BSE-H 250	980	200	85
BSM/BSM-H 50-250	Please indicate when ordering!		
BSI 50-100	480	170	75

SHOVEL TYPE DGS



Hydraulic shovel with double joint and controlled movement

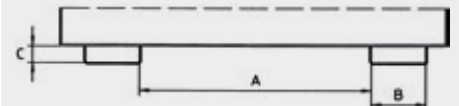
- sturdy frame and shovel with shield trim made of special steel
- ideally situated loading centre of gravity
- controlled movement (backwards and forwards)
- tilting movement for emptying controlled by the hydraulics of the forklift truck
- simple pick-up using forks
- can be secured to prevent slipping



Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h*)	Load capacity in kg	Weight in kg
DGS 500	0,50	1610 x 1050 x 720	1000	243
DGS 700	0,70	1610 x 1210 x 720	1000	260
DGS 950	0,95	1610 x 1610 x 720	1000	320
DGS 1200	1,20	1610 x 2010 x 720	1500	360

*height of shovel (without hydraulic cylinder)

Fork sleeve inside dimensions in mm



Type	A	B	C
DGS 500	300	180	65
DGS 700	360	180	65
DGS 950, 1200	660	180	65

SHOVEL TYPE HVR

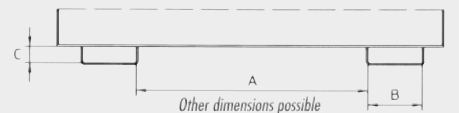


Hydraulic shovel with 2 cylinders for controlled emptying

- sturdy frame and shovel with steel trim made of special steel
- controlled movement (backwards and forwards)
- tilting movement for emptying controlled by the hydraulics of the forklift truck
- simple pick-up using forks
- can be secured to prevent slipping



Fork sleeve inside dimensions in mm



Type	A	B	C
HVR 50-80 L	420	160	60
HVR 100-150	580	195	70

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight in kg
HVR 50	0,50	1625 x 1230 x 650	1600	265
HVR 75	0,75	1640 x 1630 x 650	1600	300
HVR 80 L	0,80	1690 x 1030 x 920	1600	345
HVR 100	1,00	1725 x 1830 x 755	2000	385
HVR 150	1,50	1885 x 2030 x 930	2500	430

Finish:

RAL 2000

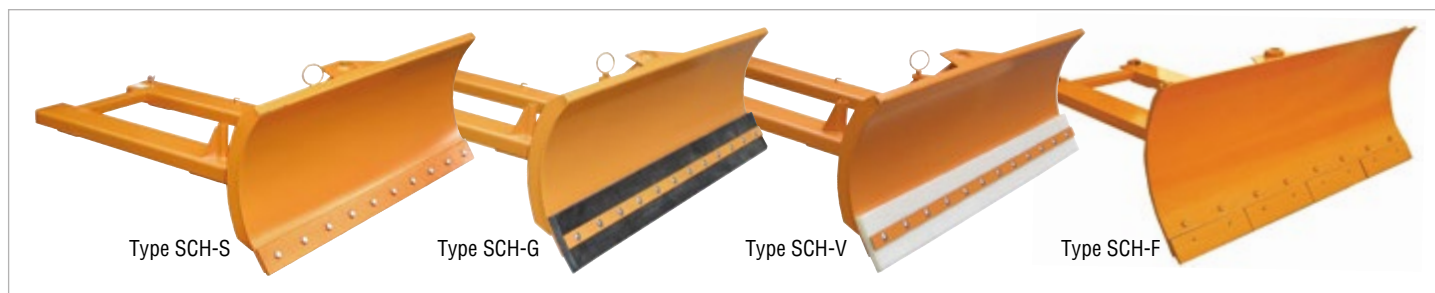
RAL 3000

RAL 5012

RAL 6011

RAL 7005

SNOWDOZERS TYPE SCH



Type SCH-S

Type SCH-G

Type SCH-V

Type SCH-F



Type SCH-G



These sturdy snowdozers are available in 4 types

- simple pick-up using forks
- can be secured to prevent slipping
- adjustable shield; 2 positions, to the right or left
- edge trim screwed to the shield; quick change possible
- spray painted **RAL 2000**

Types available

- Type SCH-S** steel shield trim
- Type SCH-G** rubber shield trim
- Type SCH-V** polyurethane shield trim
- Type SCH-F** spring-loaded shield trim

Accessories

(for all products please refer to page 40 and page 41, exception SCH-L)

- substitute steel shield trim 1500/1800/2100/2400x12x100 mm
- substitute rubber shield trim 1500/1800/2100/2400x30x200 mm
- substitute polyurethane shield trim 1500/1800/2100/2400x30x200 mm
- substitute spring-loaded shield trim

Type	Shield width in mm	Clearing width adjustable in mm	Shield height in mm	Cross section forks in mm	Distance between forks in mm	Weight painted in kg			
						SCH-S	SCH-G	SCH-V	SCH-F
SCH 150	1500	1500/1300/1100	620/720*	150 x 50	420	167	172	169	204
SCH 180	1800	1800/1600/1300	620/720*	150 x 50	420	178	184	181	222
SCH 210	2100	2100/1800/1500	620/720*	210 x 70	420	229	236	232	280
SCH 240	2400	2400/2100/1700	620/720*	210 x 70	420	244	252	248	302

* with spring-loaded shield trim

SNOWDOZER TYPE SCH-L



The economic alternative

- simple pick-up using forks
- can be secured to prevent slipping
- adjustable shield; 1 position, to the right or left
- rubber shield trim, screwed to the shield, quick change possible
- spray painted **RAL 2000** or **hot-dip galvanized**

Type	Shield width in mm	Clearing width adjustable in mm	Shield height in mm	Cross section forks in mm	Distance between forks in mm	Weight painted in kg
SCH-L 1500	1500	1500/1300	590	150 x 50	420	120
SCH-L 1800	1800	1800/1550	590	150 x 50	420	129

SNOW PLOUGHS TYPE SCH-P / SCH-U



Type SCH-P-S



Type SCH-U-S

This sturdy snow plough automatically compensates uneven surfaces

- pendulum suspension
- shock absorbers
- uneven surfaces are no problem
- easy on the mast
- variable ground leeway thanks to adjustable runners
- adjustable shield; 2 positions, to the right and to the left
- edge trim screwed to the shield; quick change possible

Types available

Type SCH-P

- fork sleeves above

Type SCH-U

- fork sleeves below

- Type ...-S** steel shield trim
- Type ...-G** rubber shield trim
- Type ...-V** polyurethane shield trim

Type	Shield width in mm	Clearing width adjustable in mm	Shield height in mm	Cross section forks in mm	Distance between forks in mm	Weight in kg		
						Type ...-S	Type ...-G	Type ...-V
SCH-P 150/SCH-U 150	1500	1500/1300/1100	620	150 x 50	420	195	200	197
SCH-P 180/SCH-U 180	1800	1800/1600/1300	620	150 x 50	420	206	212	209
SCH-P 210/SCH-U 210	2100	2100/1800/1500	620	210 x 70	420	228	235	231
SCH-P 240/SCH-U 240	2400	2400/2100/1700	620	210 x 70	420	241	249	245

SNOW CLEARING SETS TYPE SRS



Type SRS-G

The ideal combination – a snowdozer with a shovel

- the snowdozer can easily be mounted onto the shovel - no tools necessary
- angle of the shield can be varied using the bolt
- mounted snowdozer
- shovel type BSE with volume 0,5 m³ up to 2,0 m³

Types available

- Type SRS-S** steel shield trim
- Type SRS-G** rubber shield trim
- Type SRS-V** polyurethane shield trim
- Type SRS-F** spring-loaded shield trim

Type	Volume shovel (approx.) in m ³	Load capacity in kg	Shield width in mm	Clearing width adjustable in mm	Shield height in mm	Cross section forks in mm	Distance between forks in mm	Weight in kg			
								SRS-S	SRS-G	SRS-V	SRS-F
SRS 50	0,50	1000	1500	1500/1400	620/720*	150x50	500	315	320	317	352
SRS 75	0,75	1500	1800	1800/1690	620/720*	150x50	600	354	360	357	398
SRS 100	1,00	2000	2100	2100/1970	620/720*	150x50	700	363	370	366	414
SRS 150	1,50	3000	2400	2400/2255	620/720*	180x70	800	518	525	521	575
SRS 200	2,00	3000	2700	2700/2540	620/720*	180x70	800	591	600	595	655

* with spring-loaded shield trim

Finish:

RAL 2000

GRITTER TYPE SH



Type SH with tarpaulin

Type	Funnel volume approx. in l	Max. gritting range in m	Min. oil consumption in l/min	Max. output in l/min	Total permitted weight in kg	Weight in kg
SH	265	9	15	80	450	115

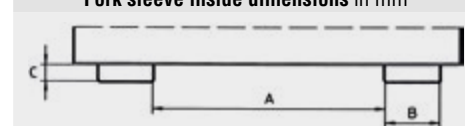
Suitable for salt, sand and grit

- driven by forklift hydraulic system
- variable gritting range; can be adjusted by varying height and angle of inclination of mast
- stirring mechanism
- protective grid as cover
- fork sleeves for pick-up by a forklift truck
- spray painted **RAL 2000**

Accessory

- tarpaulin

Fork sleeve inside dimensions in mm



Type	A	B	C
SH	670	200	70

SPREADER TYPE STW



Type STW 100 with tarpaulin



Type STW 260

Suitable for salt and sand

- can be towed by a forklift truck or small traction engine etc.
- with solid rubber tyres (type STW 100) or with pneumatic tyres (type STW 260)
- wheel motion activates spread
- with lever to adjust spreading width and direction
- funnel spray painted **RAL 3000**

Accessory

- tarpaulin



Type SCH-G in combination with type STW 100

Type	Funnel volume approx. in l	Design funnel	Max. gritting range in m	Load capacity in kg	Weight in kg
STW 100	105	lackiert	6	135	28
STW 260	260	lackiert	12	340	84

ACCESS SAFETY PLATFORM TYPE MB-I



Type MB-I with straddle stacker



Type MB-I chain security with forklift truck



Security to prevent slipping from the straddle stacker



Secured by bolt to prevent slipping from the forklift truck



Anchorage point for protective equipment

Type	Dimensions in mm (l x w x h)	Floor area in mm	Total permitted weight in kg	Weight in kg	Fork sleeve inside dimensions in mm		
					A	B	C
MB-I / MB-I/A	775 x 800 x 2050	645 x 650	180	60	165	210	85

Finish:

RAL 2000

Access safety platform for straddle stackers and forklift trucks. Ensures safety for repairs and maintenance work.

- number of persons permitted: 1
- approved by the german technical inspection agency "TÜV", in compliance with the "BGV" (German accident prevention regulations)
- fork sleeves
- safety mechanisms to prevent slipping for straddle stackers and forklift trucks
- galvanized tool deposit
- 4 stirrups

Types available

Type MB-I

- without anchorage point for protective equipment



Type MB-I/A

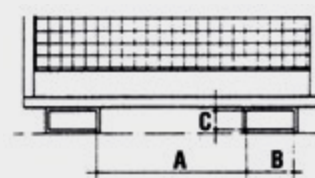
- with anchorage point for protective equipment

TÜV Austria

Accessory

- anchorage point for protective equipment (Type MB-I)

Fork sleeve inside dimensions in mm



for all access safety platforms on this side

ACCESS SAFETY PLATFORM TYPE MB-ST



Type MB-ST



Type MB-ST/T

Type	Dimensions in mm (l x w x h)	Floor area in mm	Total permitted weight in kg	Weight painted in kg	Fork sleeve inside dimensions in mm		
					A	B	C
MB-ST	1115 x 1200 x 1890	800 x 1200	300	130	600	200	80
MB-ST/T	1115 x 1200 x 1890	800 x 1200	300	130	600	200	80

Finish:

RAL 2000

RAL 5012

hot-dip galvanized

For shelf operations and maintenance work at high altitude work places

- number of persons permitted: 1
- fork sleeves with safety mechanism to prevent slipping
- galvanized tool deposit

Types available

Type MB-ST

- two-hand control contact switch, flash light, cable retractor drum with 8m cable, plug, socket and spare plug
- picked up lengthwise by a forklift truck

Type MB-ST/T

- similar to type MB-ST, but with circuit breaker for the door

Accessory

- anchorage point for protective equipment

ACCESS SAFETY PLATFORMS TYPE MB-D / MB-F / MB-K



Type MB-D



Type MB-D/L

Access safety platforms ensures safety for repairs and maintenance work

- number of persons permitted: 2
- fork sleeves with safety mechanism to prevent slipping
- with galvanized tool deposit
- approved by the german technical inspection agency "TÜV", in compliance with the "BGV" (German accident prevention regulations)

Types available

Type MB-D

- picked up lengthwise by a forklift truck

Type MB-D/L

- picked up crosswise by a forklift truck

Type MB-F

- folding construction
- just a couple of hand movements and the platform is ready for use
- picked up lengthwise by a forklift truck

Type MB-K-IV

- according to DIN EN 14502-1
- load capacity 300 kg
- stirrups, 135 mm ground leeway
- with galvanized roof
- standard includes a 4-leg chain
- pick up by crane
- with anchorage point for protective equipment

Accessories

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm (not type MB-K-IV)
- anchorage points for protective equipment (except type MB-K-IV)



Type MB-K-IV

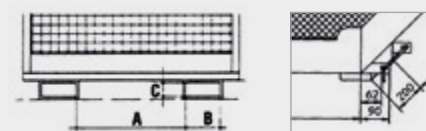


Type MB-F



anchorage points for protective equipment

Fork sleeve inside dimensions in mm



Type	Dimensions in mm (l x w x h)	Floor area in mm	Total permitted weight in kg	Weight painted in kg	A	B	C
MB-D	1115 x 1200 x 1890	800 x 1200	300	120	600	200	80
MB-D/L	1290 x 800 x 1890	1200 x 800	300	120	160	200	80
MB-F	1090 x 1200 x 1890	1000 x 1200	300	120	600	200	80
MB-K-IV	800 x 1200 x 2300	800 x 1200	470	170	-	-	-

Finish:

RAL 2000

RAL 5012

hot-dip galvanized

SAFETY CAGE TYPE SIKO



Type SIKO

Type	Dimensions in mm (l x w x h)	Floor area in mm	Total permitted weight in kg	Weight in kg	Fork sleeve inside dimensions in mm		
					A	B	C
SIKO	1115 x 1200 x 1890	800 x 1200	300	90	600	200	80
SIKO/L	1290 x 800 x 1890	1200 x 800	300	96	160	200	80

Safety for repairs and maintenance



- sturdy construction made of round pipes
- nonslip access safety platform
- number of persons permitted: 2
- through fork sleeves with safety mechanism to prevent slipping
- underrun protection device ensures pick-up via fork sleeves
- with galvanized tool deposit
- approved by the german technical inspection agency "TÜV", in compliance with the "BGV" (German accident prevention regulations)

Types available

Type SIKO

- picked up lengthwise by a forklift truck

Type SIKO/L

- picked up crosswise by a forklift truck

Accessory

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm

Fork sleeve inside dimensions in mm



SAFETY CAGE TYPE SIKO-M



Type	Dimensions in mm (l x w x h)	Floor area in mm	Total permitted weight in kg	Weight in kg	Fork sleeve inside dimensions in mm		
					A	B	C
SIKO-M	1040 x 835 x 1895	740 x 740	240	54	280	200	80

The economic alternative



- sturdy construction made of round pipes
- nonslip access safety platform
- number of persons permitted: 2
- fork sleeves with safety mechanism to prevent slipping
- with galvanized tool deposit
- approved by the german technical inspection agency "TÜV", in compliance with the "BGV" (German accident prevention regulations)

Fork sleeve inside dimensions in mm



Finish:

RAL 2000

ACCESS SAFETY PLATFORMS TYPE MB-A / MB-B / MB-CH



TÜV Austria

Type MB-A



TÜV Austria

Type MB-A/D



Type MB-CH

Type MB-CH/L



Type MB-B



anchorage points for protective equipment

Access safety platforms ensures safety for repairs and maintenance work

- number of persons permitted: 2
- fork sleeves with safety mechanism to prevent slipping
- galvanized tool deposit

Types available

Type MB-A

- certified by "TÜV" Austria
- picked up lengthwise by a forklift truck

Type MB-A/D

- certified by "TÜV" Austria
- with a roof
- picked up lengthwise by a forklift truck

Type MB-B

- with automatic door latch
- picked up lengthwise by a forklift truck

Type MB-B/L

- with automatic door latch
- picked up crosswise by a forklift truck

Type MB-CH

- picked up lengthwise by a forklift truck

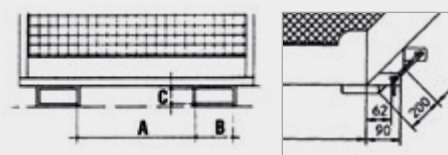
Type MB-CH/L

- picked up crosswise by a forklift truck

Accessory

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm
- anchorage points for protective equipment

Fork sleeve inside dimensions in mm



Type	Dimensions in mm (l x w x h)	Floor area in mm	Total permitted weight in kg	Weight painted in kg	A	B	C
MB-A	1115 x 1200 x 2090	800 x 1200	300	132	600	200	80
MB-A/D	1115 x 1200 x 2090	800 x 1200	300	154	600	200	80
MB-B	1115 x 1200 x 1890	800 x 1200	300	130	600	200	80
MB-B/L	1290 x 800 x 1890	1200 x 800	300	130	160	200	80
MB-CH	1115 x 1200 x 2090	800 x 1200	320	147	600	200	60
MB-CH/L	1290 x 1000 x 2090	1200 x 800	320	135	160	220	80

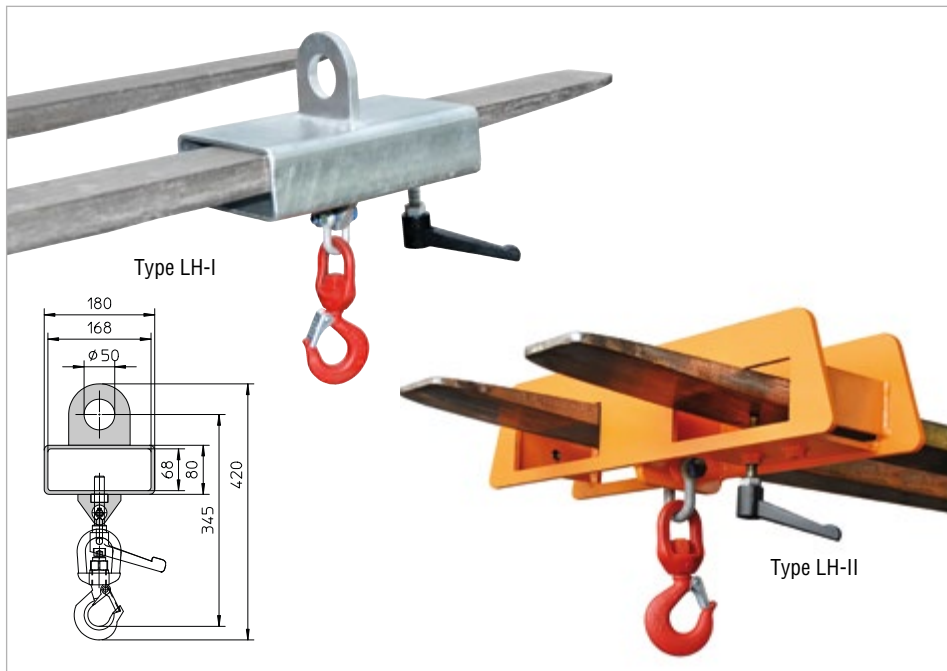
Finish:

RAL 2000

RAL 5012

hot-dip galvanized

CRANE HOOK TYPE LH



Secure pick-up and transport of heavy duty goods

Types available

Type LH-I

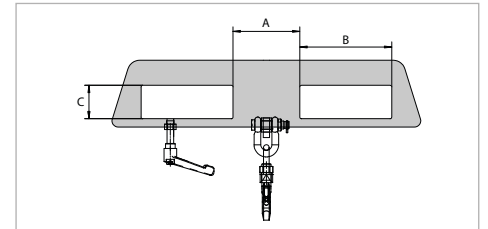
- suitable for 1 fork sleeve or crane
- can be secured to prevent slipping
- with rotating hook
- load capacity 1000 kg

Type LH-II

- suitable for 2 fork sleeves (also for straddle stackers)
- can be secured to prevent slipping for different breadth of forks
- with rotating hook
- different load capacities

Type	Load capacity in kg	Dimensions in mm (l x w x h)	Weight painted in kg	Fork sleeve inside dimensions in mm		
				A	B	C
LH-I	1000	300 x 180 x 325	10	-	168	68
LH-II 1,5	1500	170 x 750 x 360	21	160	220	80
LH-II 2,5	2500	170 x 750 x 390	22	160	220	80
LH-II 5,0	5000	180 x 750 x 460	31	160	220	80
LH-II 7,5	7500	180 x 750 x 510	35	160	220	80

Fork sleeve inside dimensions (drawing Type LH-II)



Finish: **RAL 2000** hot-dip galvanized

LOADING FORKS TYPE M / A



Type M



Type A

Loading forks are indispensable aids for handling pallets, containers and pallet cages

- adjustable forks
- adjustable usage height
- fork sleeve in black
- spray painted **RAL 2000**

Types available

Type M

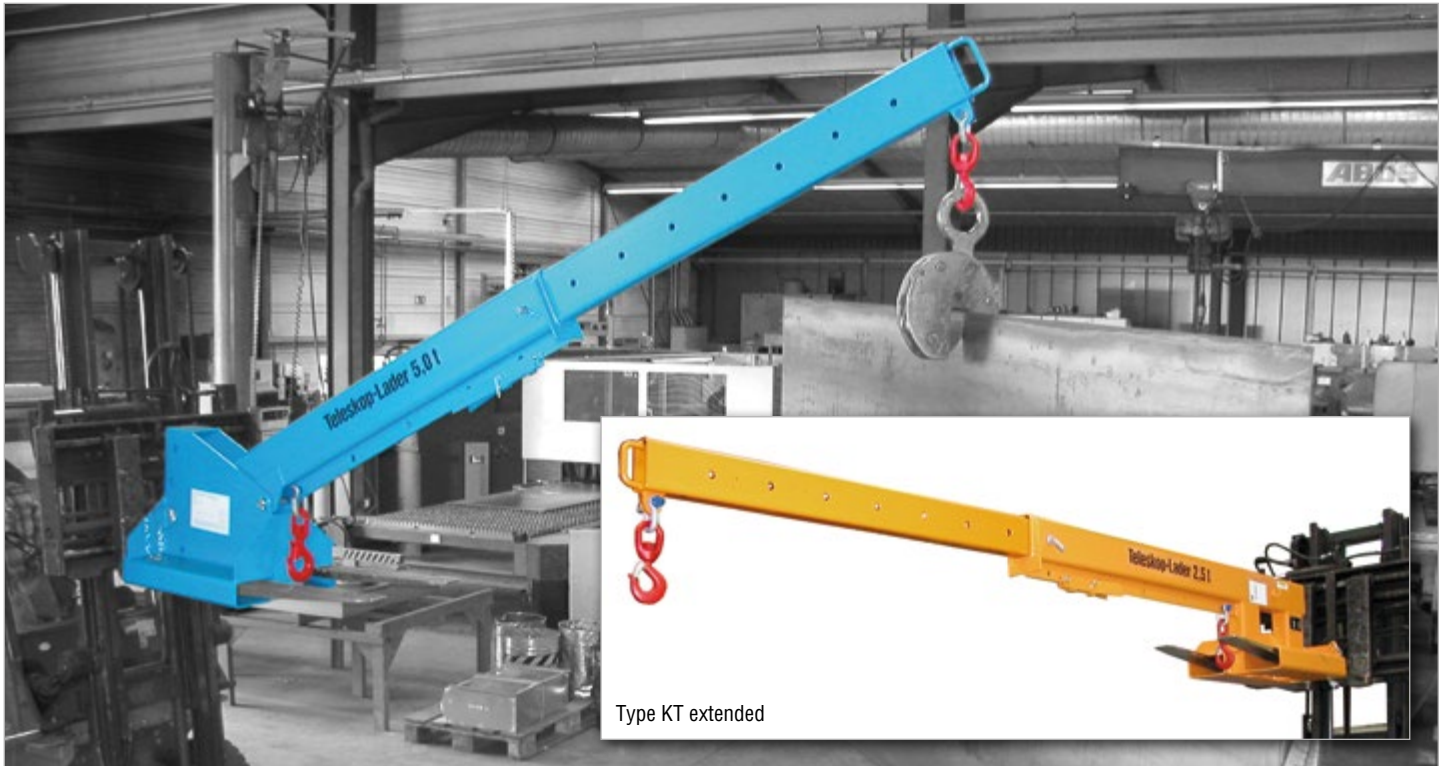
- manual load counterbalancing system

Type A

- automatic load counterbalancing system

Type	Load capacity in kg	Usage height in mm min / max	Length of forks in mm	Cross section forks (w x h) in mm	Distance in mm dimensions over forks min. / max.	Weight
						Type M / Type A in kg
M/A 1000	1000	1100 / 1700	1000	120 x 40	395 / 965	115 / 117
M/A 1500	1500	1100 / 1700	1000	120 x 40	395 / 965	118 / 120
M/A 2000	2000	1100 / 1700	1000	130 x 50	415 / 965	218 / 220
M/A 3000	3000	1100 / 1700	1000	130 x 50	415 / 965	228 / 230

EXTENSIBLE CRANE ARMS TYPE KT / KTH



Type KT extended

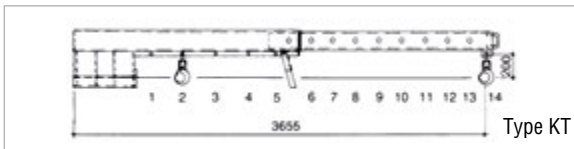
Type KTH extended and at an elevated working height



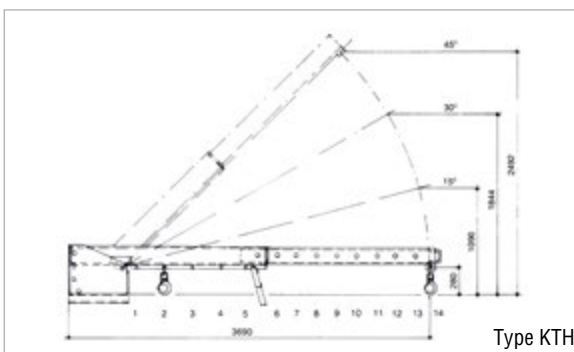
Extended hydraulically (Type KTH)

The extensible crane arm increases the reach of the forklift truck

- steel construction
- extension arm is positioned inside the shell and can be extended in 8 steps to reach full length
- secured by chain to prevent slipping
- 2 rotating hooks

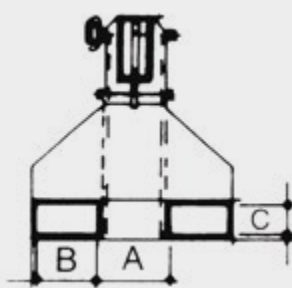


Type KT



Type KTH

Fork sleeve inside dimensions in mm



Type	A	B	C
KT 2,5	106	184	84
KT 5,0	116	184	84
KTH 2,5	156	184	84
KTH 5,0	166	184	84

Types available

Type KT

- rigid construction

Type KTH

- variable working height and can be fixed in each of the positions using the pin provided

Accessory

- hydraulically extendable (max. 1000 mm)

Type	Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Dimensions l x w x h (mm)	Weight (kg)
KT 2,5	Distance in mm	710	1000	1290	1590	1870	2055	2255	2455	2655	2855	3055	3255	3455	3655	2160 x 490 x 480	175
	Load capacity in kg	2500	2500	2500	1800	1400	1200	1050	950	850	770	700	650	600	560	2160 x 490 x 480	175
KT 5,0	Distance in mm	695	990	1285	1580	1825	2090	2290	2490	2690	2890	3090	3290	3490	3690	2160 x 500 x 525	195
	Load capacity in kg	5000	3550	2750	2250	1950	1700	1550	1400	1300	1200	1150	1050	1000	950	2160 x 500 x 525	195
KTH 2,5	Distance in mm	695	990	1285	1580	1825	2090	2290	2490	2690	2890	3090	3290	3490	3690	2210 x 540 x 555	218
	Load capacity in kg	2500	2500	2500	1800	1400	1200	1050	950	850	770	700	650	600	560	2210 x 540 x 555	218
KTH 5,0	Distance in mm	695	990	1285	1580	1825	2090	2290	2490	2690	2890	3090	3290	3490	3690	2210 x 550 x 600	250
	Load capacity in kg	5000	3550	2750	2250	1950	1700	1550	1400	1300	1200	1150	1050	1000	950	2210 x 550 x 600	250

Remember to check the load capacity of the forklift truck in question!

Finish:

RAL 2000

RAL 3000

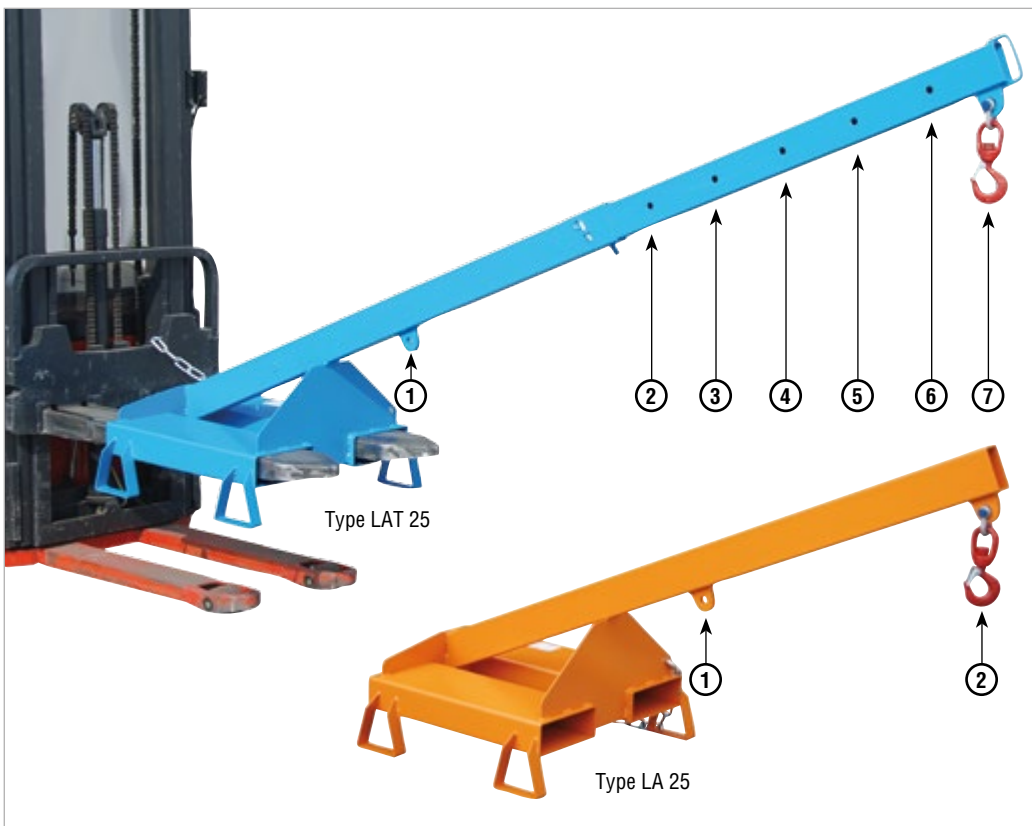
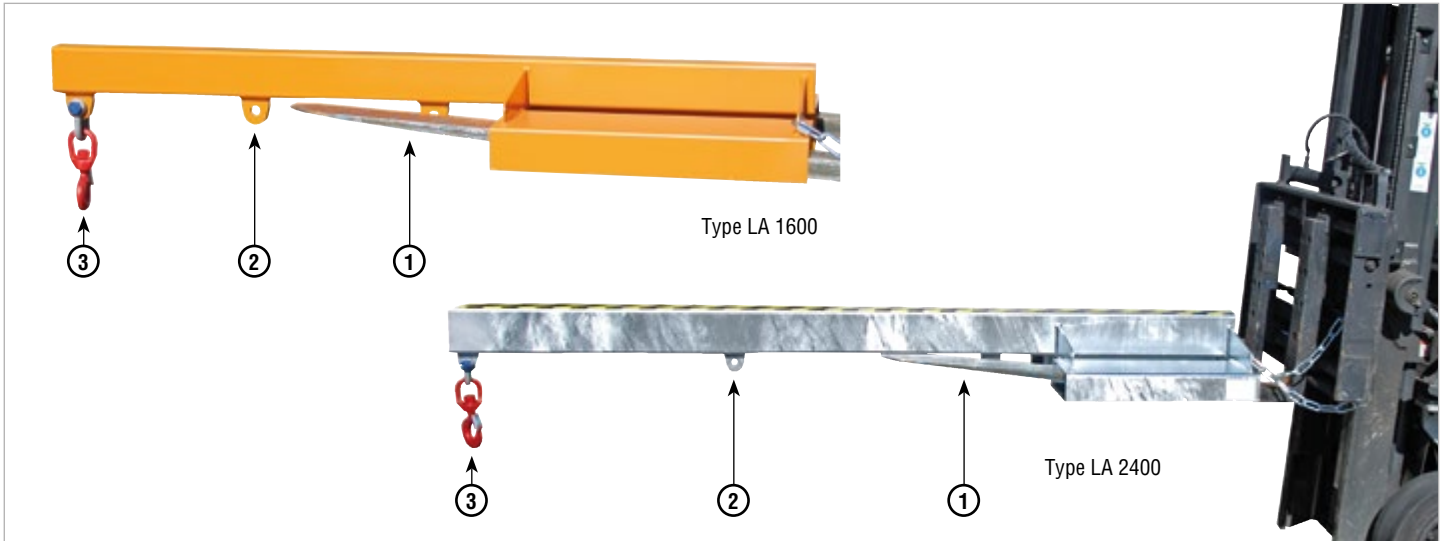
RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

LOADING ARMS TYPE LA / LAT



The loading arm increases the reach of the forklift truck

- steel construction
- fork sleeves for pick-up
- also for straddle stackers
- secured by chain to prevent slipping
- 1 rotating hook

Types available

Type LA 1600/2400

- rigid construction

Type LA 25

- rigid construction
- inclination 25°
- with stirrups 100 mm ground leeway

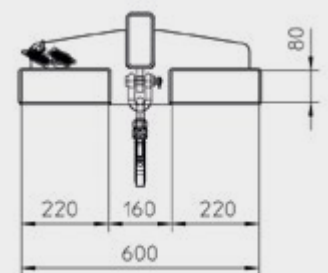
Type LAT 25

- inclination 25°
- variable working height, can be fixed in each position
- with stirrups 100 mm ground leeway

Type	Basic length in mm	Position	①	②	③	④	⑤	⑥	⑦	Weight painted in kg
LA 1600-1,0	1600	distance in mm	780	1165	1550					42
		max. load in kg	1000	350	200					
LA 2400-1,0	2400	distance in mm	780	1565	2350					49
		max. load in kg	1000	200	100					
LA 1600-2,5	1600	distance in mm	780	1165	1550					73
		max. load in kg	2500	850	500					
LA 2400-2,5	2400	distance in mm	780	1565	2350					88
		max. load in kg	2500	500	250					
LA 1600-5,0	1600	distance in mm	780	1165	1550					104
		max. load in kg	5000	1700	1000					
LA 2400-5,0	2400	distance in mm	780	1565	2350					124
		max. load in kg	5000	1000	500					
LA 25-1,0	1600	distance in mm	875	1600						47
		max. load in kg	1000	300						
LAT 25-1,0	1600	distance in mm	875	1600	1780	1960	2140	2320	2500	55
		max. load in kg	1000	300	225	200	175	150	125	

Remember to check the load capacity of the forklift in question!

Fork sleeve inside dimensions in mm



Finish:

RAL 2000

RAL 3000

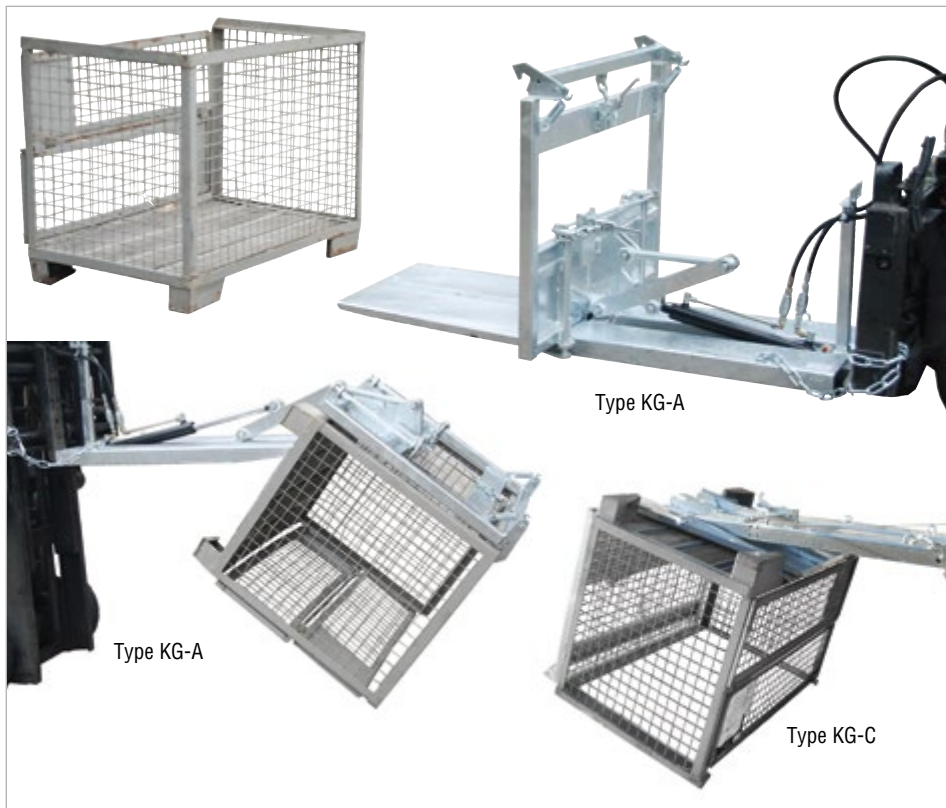
RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

KIPPOMAT TYPE KG



For transporting, emptying and cleaning EURO-pallet cages manufactured to DIN 15155

- similar to type KM, except that the pallet cage is secured by a tension fixture

Types available

Type KG-A

- emptying is controlled by the forklift hydraulic system

Type KG-B

- manual emptying and adjustable dumping brake

Type KG-C

- manual emptying

KIPPOMAT TYPE KM



The KM is an indispensable aid for transporting, emptying and cleaning large volume wheelie bins (1100 litres with 4 wheels) and manufactured to DIN EN 840-3

- sturdy frame with fork sleeves and release mechanism
- can be secured to prevent slipping
- 2 bolts (for steel bins) 2 folding fixing arms (for plastic bins) secure the bins during emptying
- a steel cable holds the lid open
- emptying is controlled by the forklift hydraulic system; operating pressure: min. 130 bars
- forward and backward movement
- restrictor valve enables smooth regulation of the emptying speed
- fixture to hook up hydraulic hoses, steel cable and safety chain

Type	Dimensions in mm (l x w x h)	Tilting angle in degrees	Max. load capacity in kg	Weight in kg
KG-A	1850 x 1160 x 1100	135	500	200
KG-B	1850 x 1160 x 1100	135	500	195
KG-C	1850 x 1160 x 1100	165	500	160
KM	1850 x 1390 x 650	135	600	177

Fork sleeve inside dimensions in mm

Type	A	B	C
KG / KM	115	200	60

Finish: hot-dip galvanized

WHEELIE BIN JACK TYPE MH



Type MH-III



Type MH-II with 1100-I-MGB

Type	Max. no. of (80-360 l wheelie bins)	Max. no. of (1100 l wheelie bin)	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
MH-I	1	-	1026 x 584 x 678	200	65
MH-II	2	1	1026 x 1070 x 678	400	71
MH-III	3	-	1026 x 1595 x 678	600	79

A safe and efficient way to transport wheelie bins

- sturdy frame with fork sleeves
- rubber guard(s) to prevent damage to wheelie bin(s)
- gripping mechanism screwed to frame
- available for 1 up to 3 wheelie bins
- can be secured to prevent slipping

Types available

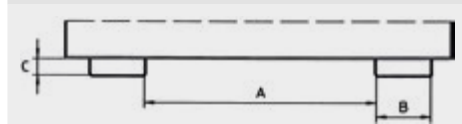
Type MH-I and type MH-III

- manufactured to DIN EN 840-1, for wheelie bins ranging from 80 to 360 litres made of plastic and 240 litres wheelie bins made of steel sheeting

Typ MH-II

- for 1100 litres wheelie bins with comb pick-up-system

Fork sleeve inside dimensions in mm



Type	A	B	C
MH-I – MH-III	230	170	75

WHEELIE BIN TIPPING STATION TYPE MKS



Type MKS-H

Type MKS-12V

Type MKS-F

For emptying and cleaning of 120/240 litre wheelie bins

- hydraulic or electric construction
- approx. 39 strokes required for hydraulic construction
- tilting angle up to 135°
- emptying height approx. 1480 mm
- 2 swivel + 2 fixed polyamide castors Ø 180 mm, both swivel castors with brake - construction height 220 mm
- finish spray painted

Types available

Type MKS-F

- with foot pump

Type MKS-H

- with hand pump

Type MKS-12V

- electric-hydraulic 12 V (without charger)

Type MKS-230V

- electric-hydraulic 230 V

Accessory

- external charger for electric-hydraulic construction 12V

Type	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
MKS-F	1570 x 980 x 1720	110	115
MKS-H	1570 x 980 x 1720	110	115
MKS-12V	1570 x 880 x 1720	110	154
MKS-230V	1570 x 880 x 1720	110	141

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

BIN EMPTIER TYPE SV



Emptying Set in use on site

A safe and efficient way of emptying 120 litre wheelie bins - easy on the back

- bin emptier suitable for tilting container type GU 1000 and type GU 1500 (please refer to page 9) without castors
- is hooked over the tilting edge of a tilting container
- safety fastening
- gas compression springs make light work of emptying



Hook the unit in place...



...steer the bin into position...



...tilt the unit and empty the bin - it's easy!

Type	Volume (approx.) in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
SV 1000		1020 x 670 x 695	60	16
SV 1500		1020 x 670 x 945	60	16
GU 1000	1,00	1640 x 1280 x 780	1500	184
GU 1500	1,50	1640 x 1280 x 1090	1500	215

WHEELIE BIN TIPPER TYPE MK



For emptying and cleaning 80/120 or 240 litre wheelie bins

- sturdy steel construction
- fork sleeves for pick-up using forks
- suitable for forklift trucks, site dumpers and other vehicles with forks
- can be secured to prevent slipping and unintentional emptying
- self-locking hooks hold the wheelie bin securely in place during emptying

Fork sleeve inside dimensions in mm

Type	A	B	C
MK 120	580	170	75
MK 240	670	170	75

Type	Max. no. of (max. wheelie bins x litres)	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
MK 120	1 x 80/120	1000 x 930 x 925	250	66
MK 240	1 x 240	1000 x 1020 x 1060	250	69

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

TIPPING EQUIPMENT TYPE KGH



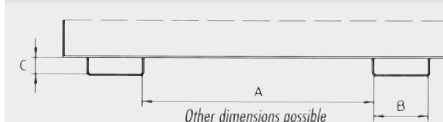
Thorough and controlled emptying; unit operated from the driver's seat

- hydraulic
- emptying is controlled by the forklift hydraulic system
- suitable for containers, cases and pallets made of metal, wood or plastic with fork sleeves (hoops)
- the container in question can be completely emptied thanks to the 130° range of rotation (directed to the left hand side)
- can be secured to prevent slipping



Individual construction on request

Fork sleeve inside dimensions in mm



Type	Dimensions in mm (l x w x h)	Load capacity in kg	Dimensions turning fork in mm (l x w x h)	Range dimensions over forks max.	Weight painted in kg
KGH	2420 x 1220 x 420	1500	1200 x 120 x 60	1180	300

Type	A	B	C
KGH	490	150	70

TIPPING EQUIPMENT TYPE KGM



Type KGM with adjustable dumping brake

Easy to use with any forklift truck

- mechanical
- can be emptied at any height by cable operated from the driver's seat
- no preparations of the forklift truck necessary
- can be secured to prevent slipping

Accessory

- adjustable dumping brake



Manufactured to your container specifications.

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

PLATFORM FOR OFF-CUT GRIDS **TYPE RGP**



Platform for the collection and tilting of materials such as off-cut grid, chip board, sheet metal

- sturdy platform with fork sleeves
- can be emptied at any height by cable operated from the driver's seat
- can be secured to prevent slipping and unintentional emptying

Individual construction on request



Type	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
RGP-1	1540 x 2500 x 377	2000	378
RGP-2	1790 x 3000 x 377	2000	491
RGP-3	1790 x 4000 x 377	2000	580

Fork sleeve inside dimensions in mm

Type	A	B	C
RGP 1-3	600	200	65

CONTAINER FOR LONG MATERIALS **TYPE LGK**



Container for the collection and tilting of materials such as strips of wood, planks, plastic profiles, metal rods

- can be emptied at any height by cable operated from the driver's seat
- floor, rear wall and inclined wall reinforced (u-profiles)
- no side walls
- can be secured to prevent slipping and unintentional emptying

Accessory

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake - construction height 220 mm

Individual construction on request

Type	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
LGK	1500 x 1440 x 780	1000	165

Fork sleeve inside dimensions in mm

Type	A	B	C
LGK	495	200	60

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

FORKLIFT TENDER SYSTEM TYPE STS



Drive the forks into the fork-sleeves of the STS, raise it and it is ready for use!

Optimizes logistics using forklifts, shortens journeys and reduces costs

- sturdy frame made of steel tubing
- loading surface 30 mm softwood timber
- rotating assembly with fork sleeves and feature to prevent slipping
- 2 supporting feet
- 2 heavy duty wheels Ø 300 x 100 mm

Individual construction on request

- e.g. superstructures such as additional plug-in level, stakes, side walls, shelving, retention basins



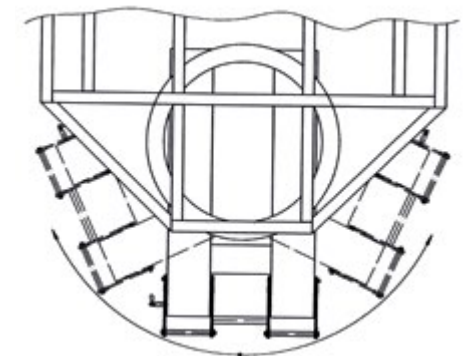
Transporting long materials; narrow turning circle due to pick-up



Additional loading surface in the form of a plug-in level



Commissioning components for manufacturing



Rotating assembly with fork sleeves

Type	Dimensions in mm (l x w x h)	Loading surface in mm (l x w)	Load capacity in kg	Weight painted in kg
STS 2,5	3630 x 2000 x 363	2500 x 2000	5000	560
STS 5,0	6130 x 2000 x 363	5000 x 2000	5000	860

Customized dimensions and other load capacities available on request!

Fork sleeve inside dimensions in mm			
Type	A	B	C
STS 2,5-5,0	310	200	124

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

DOLLY TYPE GRW



Useful for the internal transport of different goods (e.g. packages)

- galvanized grid, mesh size approx. 65 x 35 mm
- low high for easy loading and safety transport
- 2 swivel + 2 fixed polyamide castors, one swivel castor with brake - construction height 125 mm

Accessory

- handle made of galvanized steel with plastic grip, for all types mountable

Type	Dimensions in mm (l x w x h)	Dimensions incl. handle (l x w x h)	Load capacity in kg	Weight painted in kg
GRW-I	780 x 420 x 160	1255 x 420 x 1000	450	8
GRW-II	800 x 600 x 160	1275 x 600 x 1000	450	11
GRW-III	1185 x 785 x 160	1660 x 785 x 1000	450	21

GAS CYLINDER PALLETS TYPE SFP



Type SFP 4



Type SFP 8

The safe and economical way to transport up to 8 gas cylinders with less effort

- sturdy frame with fork sleeves
- with safety chains
- restrictive braces to prevent tilting sideways
- with fixture to hook up hoses and caps

Type	Storage area max. number of cylinders	Dimensions in mm (l x w x h)	Load capacity in kg	Weight in kg
SFP 4	4 x Ø 250 mm	500 x 860 x 1000	350	55
SFP 8	8 x Ø 250 mm	1100 x 860 x 1000	700	85

Fork sleeve inside dimensions in mm

Type	A	B	C
SFP 4	510	170	70
SFP 8	510	170	70

Finish: hot-dip galvanized

SHUNTING AID TYPE RH



Type RH-RM



Type RH-RM



Type RH-RA



Type RH-RMK



Type RH-RAK

Type	Dimensions (l x w x h) in mm	Length of fork sleeves in mm	Fork sleeves inside dimensions (w x h) in mm	Distance between fork sleeves in mm	max. load capacity in kg		Weight in kg
					coupling ball	trailer coupling	
RH	405 x 545 x 165	405	168 x 68	200	100	-	24
RH-RM	1435 x 680 x 240	1200	200 x 80	200	-	650	72
RH-RMK	1505 x 680 x 340	1200	200 x 80	200	100	650	77
RH-RA	1450 x 680 x 280	1200	200 x 80	200	-	250	72
RH-RAK	1505 x 680 x 340	1200	200 x 80	200	100	250	77

Finish:

RAL 3000

A shunting aid makes light work of manoeuvring trailers on company premises, for example on the shop floor

- sturdy fork sleeves for pick-up by a forklift truck
- safety feature to prevent slipping
- easy to connect

Types available

Type RH

- with coupling ball

Type RH-RM

- with trailer coupling Rockinger RO 805 B with bolt Ø 31,5 mm

Type RH-RMK

- the same as type RH-RM, but additional with coupling ball

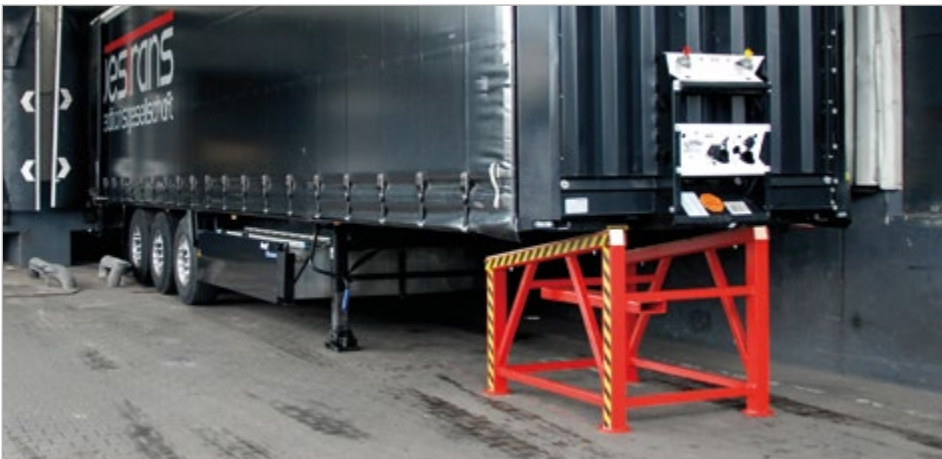
Type RH-RA

- with automatically trailer coupling Rockinger RO 244-2 with bolt Ø 25 mm

Type RH-RAK

- the same as type RH-RA, but additional with coupling ball

LOADING SUPPORT TYPE VS

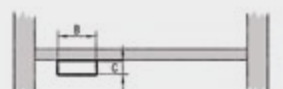


Loading support to facilitate loading and unloading articulated trucks up to 25 tonnes

- sturdy steel construction with a fork sleeve
- can easily be picked up and positioned accurately from the driver's seat
- high stability thanks to the relatively wide construction which has 4 feet under the base
- inclined anti-slip contact surface compensates different heights of trailers and prevents the trailer from tipping over or rolling away
- spray painted **RAL 3000**

Type	Dimensions (l x w x h) in mm	Load capacity in kg	Weight in kg
VS	1600 x 1200 x 950-1200	15000	170

Fork sleeve inside dimensions in mm



Type	B	C
VS	180	60

TYRE FITTING EQUIPMENT TYPE RM



Easy tyre fitting for trucks, busses and forklift trucks

- enormous time saving
- adjustable rotating pick-up
- no damage to wheel nuts
- length of the handle can be adjusted
- spray painted **RAL 5012**

Type	Weight in kg
RM	17

BATTERY CHARGING STATION TYPE BL



Type BL with fire extinguisher, with CEEform socket 400 V charging the battery of an electric forklift truck

Type	Dimensions (l x w x h) in mm	Weight approx. in kg
BL	1000 x 450 x 1900	38

How to charge industrial truck batteries and comply with the German guidelines for risk management:

– “BGHW”, “VdS” information sheet 2259

- sturdy frame, the height of which can be adjusted
- prepared for anchorage to a wall or to the ground
- folding table for small battery chargers
- warning signs, eye wash
- shelf for gloves and safety goggles
- RCD <= 300 mA
- 2 safety sockets 16 A 230 V, fixture for charging cable
- spray painted **RAL 2000**

Accessories

- CEEform socket 16 A or 32 A 400 V
- 6 kg fire extinguisher inclusive fixture
- fixture for water receptacle

FORK PROTECTION TYPE GZS



The safety regulations issued by the German trade union for wholesalers and warehouses or “BGHW” stipulate that: If a forklift truck is used on public roads and is not carrying goods, the tips of the forks must be covered.

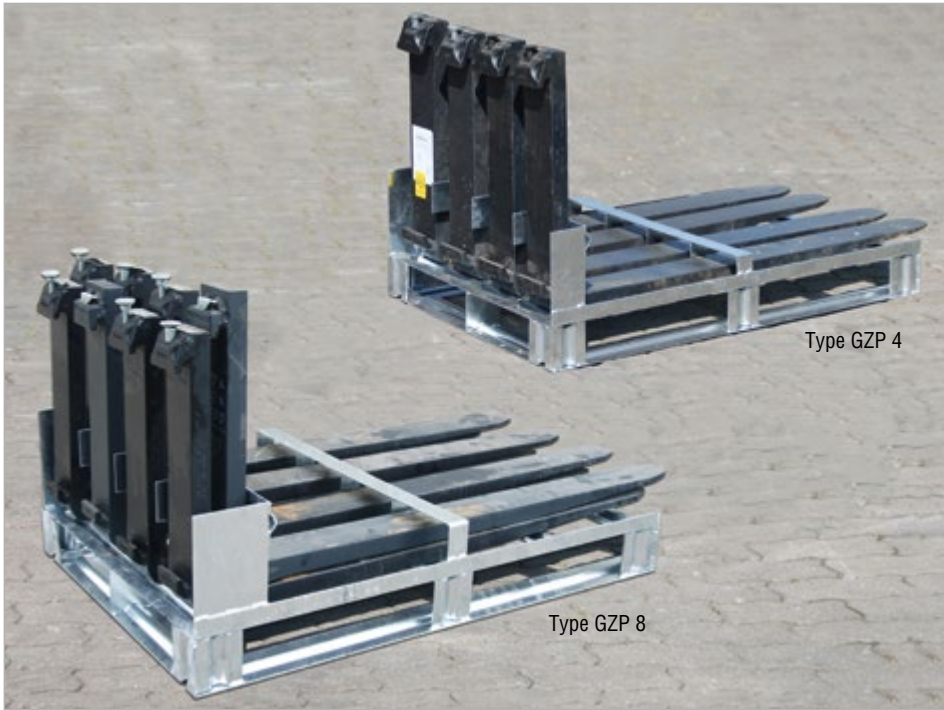
Fork Protection which complies with the German vehicle registration law “StVZO” § 30 c (1)

- steel sheeting construction with fork sleeves
- simple pick-up
- with red and white striped warning band
- can be secured to prevent slipping: length of forks max. 1200 mm - Please indicate the length of forks, if they exceed 1200 mm
- spray painted **RAL 3000**



Type	Dimensions (l x w x h) in mm	Fork sleeves inside dimensions (w x h) in mm	Distance between forks in mm	Weight in kg
GZS	200 x 995 x 100	160 x 40-21	280	5

FORK PALLET TYPE GZP



Type	Max. number (forks)	Dimensions (l x w x h) in mm	Weight in kg
GZP 4	4	1200 x 800 x 350	28
GZP 8	8	1200 x 800 x 350	29

Safe storage and handling of forks

- sturdy steel construction
- storage of 4 or 8 forks each pallet, max. cross section forks 180 x 90 mm
- securing of the fork sleeves apart (GZP 4) or by pairs (GZP 8)
- through runners for storage in pallet shelves
- pick-up on all sides for forklift truck and pallet truck
- finish **hot-dip galvanized**



FORK LIFTERS TYPE GZH



Makes light work of attaching and detaching forks

- the German accident prevention regulations ("BGV") stipulate the use of transport equipment for some jobs i.e. to avoid manual handling
- load capacity: 150 kg
- spray painted **RAL 3000**

Types available

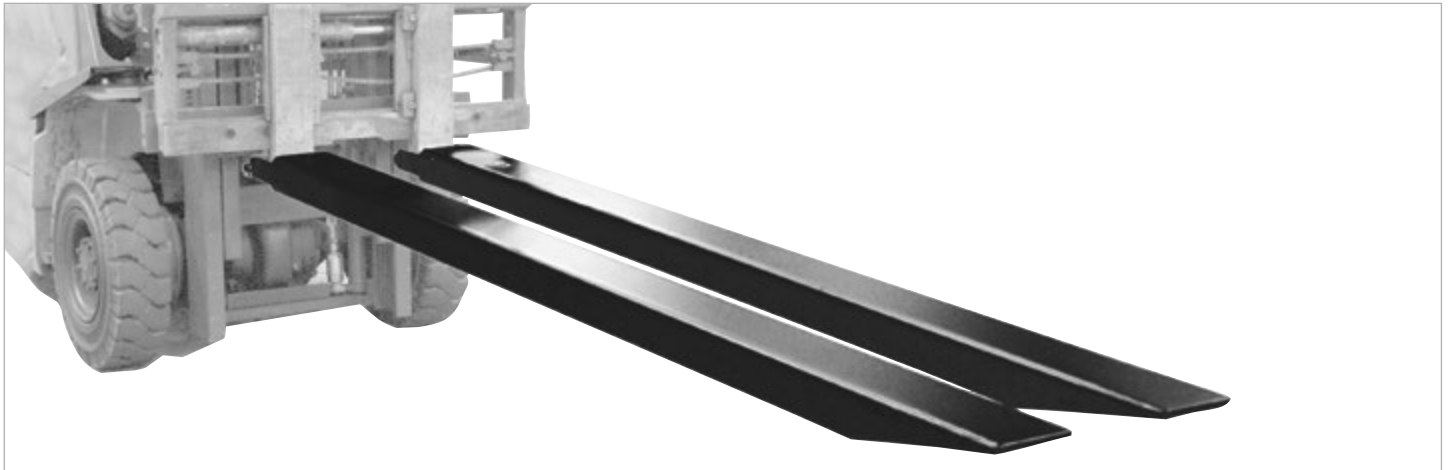
Type GZH-A

- max. cross section forks 125 x 55 mm

Type GZH-B

- max. cross section forks 145 x 65 mm

FORK EXTENSIONS TYPE GO / GG



Type GO



Type GG

Occasionally, loads which are actually longer than the forks of the forklift truck have to be lifted or transported from A to B. That's when it is essential to have fork extensions at the ready.

- sturdy steel construction
- fast preparation; slide easily over the forks
- secured by bolt

Types available

Type GO

- open construction
- open at the bottom (channel profile)

Type GG

- closed construction
- closed at the bottom (case profile)

open construction type GO

Length		1600 mm	1800 mm	2000 mm
Cross section forks (w x h) in mm	Outside dimensions (w x h) in mm	No.	No.	No.
80 x 40	106 x 48	4475-10-4000	4475-11-4000	4475-12-4000
100 x 40	128 x 48	4475-13-4000	4475-14-4000	4475-15-4000
100 x 45	128 x 53	4475-13-4500	4475-14-4500	4475-15-4500
100 x 50	128 x 58	4475-13-5000	4475-14-5000	4475-15-5000
120 x 40	148 x 48	4475-16-4000	4475-17-4000	4475-18-4000
120 x 50	148 x 58	4475-16-5000	4475-17-5000	4475-18-5000
125 x 45	153 x 53	4475-19-4500	4475-20-4500	4475-21-4500
125 x 50	153 x 58	4475-19-5000	4475-20-5000	4475-21-5000
150 x 50	181 x 58	4475-22-5000	4475-23-5000	4475-24-5000
150 x 70	181 x 78	4475-22-7000	4475-23-7000	4475-24-7000

Other dimensions available on request!

closed construction type GG

Length		1600 mm	1800 mm	2000 mm
Cross section forks (w x h) in mm	Outside dimensions (w x h) in mm	No.	No.	No.
80 x 40	106 x 66	4475-40-4000	4475-41-4000	4475-42-4000
100 x 40	128 x 66	4475-43-4000	4475-44-4000	4475-45-4000
100 x 45	128 x 71	4475-43-4500	4475-44-4500	4475-45-4500
100 x 50	128 x 76	4475-43-5000	4475-44-5000	4475-45-5000
120 x 40	148 x 66	4475-46-4000	4475-47-4000	4475-48-4000
120 x 50	148 x 76	4475-46-5000	4475-47-5000	4475-48-5000
125 x 45	153 x 71	4475-49-4500	4475-50-4500	4475-51-4500
125 x 50	153 x 76	4475-49-5000	4475-50-5000	4475-51-5000
150 x 50	181 x 76	4475-52-5000	4475-53-5000	4475-54-5000
150 x 70	181 x 96	4475-52-7000	4475-53-7000	4475-54-7000

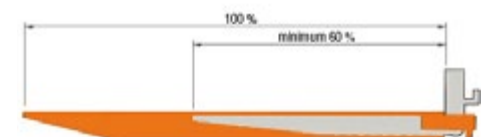
Other dimensions available on request!



Secured by bolt

Please note!

The length of the existing forks must be at least 60 % of the total required length (otherwise unstable)!



FORK SHORTENER TYPE AH



Type AH-I



Type AH-II



Type AH-II

Prevents protruding forks out of pallets

- sturdy steel construction
- can be secured to prevent slipping and unintentional emptying
- fork sleeves width: 200 mm
- fork sleeves distance: 200 mm
- handle for manual handling
- rubber guard(s) to prevent damage

Type	Dimensions (l x w x h) in mm	Weight painted in kg
AH-I	110 x 700 x 100	6
AH-II	490 x 700 x 100	13

Finish:

RAL 2000

RAL 3000

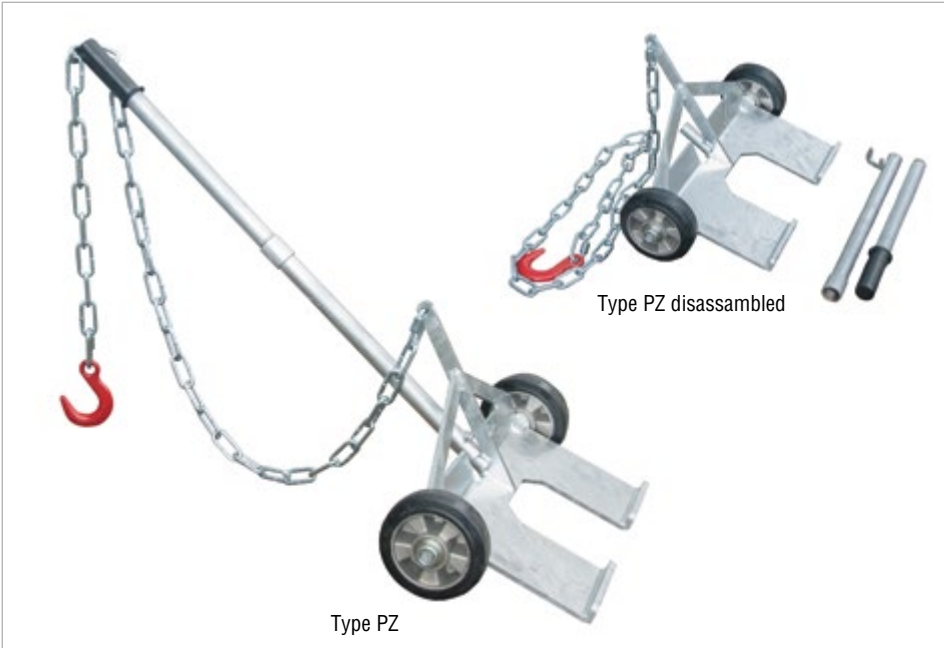
RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

TWO-WHEELED PALLET PICKER TYPE PZ

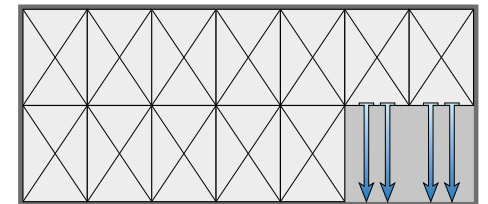


Type PZ disassembled

Type PZ

Helps save valuable time unloading pallets from a truck

- used to draw forward pallets that the forklift cannot reach
- easy to insert into the pallet; fast and safe
- sturdy construction made of hot-dip galvanized steel
- additional painted finish on request
- requires small storage space; the handle (with grip) can be removed and disassembled



Being inserted into the pallet



Drawing the pallet into the "front row" using a forklift truck

Type	Dimensions in mm (l x w x h)	Transport Dimensions (l x w x h)	Towing Capacity in kg	Length of Chain in mm	Weight galvanized in kg
PZ	1170 x 610	540 x 630 x 225	1000	1820	17

Finish:

hot-dip galvanized

RAL 3000

DRUM LIFTER TYPE RS



Type RS-II/M

Safe and fast handling of filled drums

- sturdy construction
- clear line of vision for the driver
- standard galvanized gripping head
- rubber guard(s) to prevent damage to drum(s)
- gripping mechanism screwed to frame
- incredible gripping strength
- can be secured to prevent slipping

Types available

Type RS/M

- for 200 litre steel bunghole drums, steel drums with a lid, rolling hoop drums and 220 litre plastic L-ring drums

Type RS/91

- for 200 litre steel bunghole drums, steel drums with a lid, 220 litre plastic L-ring drums and plastic double L-ring drums
- with wide drum rim edge



Type RS-I/M

Accessories

- supporting feet for straddle stackers
- hydraulic gripping aid



Type RS-I/M with supporting feet for straddle stackers



Type RS-I/91 with hydraulic gripping aid



with wide drum rim edge (Typ RS/91)

“ex”-zone constructions in compliance with

ATEX 95

available for the following products:

Drum lifter type RS	page 62
Drum tipper type FLEX	page 67
Liftomat type L	page 71
Drum jack roller type FHR	page 70

Type	Max. no. of (200 l drum)	Load capacity in kg	Dimensions in mm (l x w x h)	Distance between forks in mm	Max. cross section forks in mm	Weight painted in kg
RS-I/91	1	800	1295 x 585 x 925	240	150 x 65	94
RS-I/M	1	800	1290 x 585 x 930	240	150 x 65	94
RS-II/91	2	1600	1185 x 960 x 925	540	150 x 65	139
RS-II/M	2	1600	1180 x 960 x 930	540	150 x 65	139

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

DRUM LIFTER TYPE RS/D 91



Type RS-I/D 91

For transporting filled plastic drums with a lid and conical drums with a lid ranging from 110 to 220 litres

- adjustable drum rest to fit various sized drums
- frame construction identical to type RS-/M
- standard galvanized gripping head
- can be secured to prevent slipping

Individual construction on request

- e.g. stainless steel for “ex”-zones in compliance with “ATEX 95”

Type	Max. no. of (200 l drum)	Load capacity in kg	Dimensions in mm (l x w x h)	Distance between forks in mm	Max. cross section forks in mm	Weight painted in kg
RS-I/D 91	1	800	1290 x 585 x 810	240	150 x 65	94
RS-II/D 91	2	1600	1290 x 960 x 810	540	150 x 65	139

DRUM LIFTER TYPE RS 60



Type RS 60-I suitable for drums with a min. height of 500 mm and with a top rim

The drum lifter to use for filled 60 litre steel bunghole drums

- sturdy construction
- clear line of vision for the driver
- standard galvanized gripping head
- rubber guard(s) to prevent damage to drum(s)
- gripping mechanism screwed to frame
- incredible gripping strength
- can be secured to prevent slipping

Accessory

- supporting feet for straddle stacker

Individual construction on request

- e.g. stainless steel for “ex”-zones in compliance with “ATEX 95”



Special constructions available too: e.g. for 30/50 liter beer kegs

Type	Max. no. of (60 l drum)	Load capacity in kg	Dimensions in mm (l x w x h)	Distance between forks in mm	Max. cross section forks in mm	Weight painted in kg
RS 60-I	1	100	1050 x 405 x 560	120	140 x 60	32
RS 60-II	2	200	1050 x 645 x 560	360	140 x 60	45

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

DRUM GRIPPER TYPE BF



Type BF-II/MK

Transport of filled 200 litre steel bung-hole drums, steel drums with a lid and rolling hoop drums

- height of gripping head can be adjusted
- opens automatically when set down
- can be secured to prevent slipping
- rubber guard(s) to prevent damage to drum(s)



Type BF-II/MK

Type	Max. no. of (200 l drum)	Load capacity in kg	Dimensions in mm (l x w x h)	Distance between forks in mm	Max. cross section forks in mm	Weight painted in kg
BF-I/MK	1	500	1000 x 585 x 1000	240	150 x 65	95
BF-II/MK	2	1000	1000 x 960 x 1000	540	150 x 65	143
BF-III/MK	3	1000	1000 x 1560 x 1000	540	150 x 65	196

DRUM GRIPPER TYPE FK



Type FK-II

The safe way to pick up and transport 200 litre steel bung-hole drums, steel drums with a lid and rolling hoop drums

- available for 1 or 2 drums
- opens automatically when set down
- can be secured to prevent slipping



Type FK-I



Type	Max. no. of (200 l drum)	Load capacity in kg	Dimensions in mm (l x w x h)	Distance between forks in mm	Max. cross section forks in mm	Weight painted in kg
FK-I	1	500	1350 x 620 x 145	260	150 x 65	67
FK-II	2	1000	1350 x 1230 x 145	260	150 x 65	99

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

DRUM GRIPPER TYPE LF



The safe way to pick up and transport 200 litre steel bunghole drums in a horizontal position.

Ideal suitable for charging drum shelves.



Type	Dimensions in mm (l x w x h)	Load capacity in kg	Distance between forks in mm	Max. cross section forks in mm	Weight painted in kg
LF	980 x 930 x 120	300	390	150 x 50	28

DRUM JACK TYPE FH



Ideal for handling 120, 150 or 220 litre plastic drums

- the gripping brackets guarantee safety during transport
- can be used to stack plastic drums with a lid without pallets



Type	No. of drums (piece/l)	Load capacity in kg	Dimensions in mm (l x w x h)	Distance between forks in mm	Max. cross section forks in mm	Weight painted in kg
FH-I	1 / 120	300	1350 x 505 x 385	260	150 x 65	60
FH-I	1 / 220	360	1400 x 600 x 485	260	150 x 65	69
FH-II	2 / 120	600	1350 x 980 x 385	260	150 x 65	87
FH-II	2 / 220	720	1400 x 1160 x 485	260	150 x 65	107

DRUM TURNER TYPE FW



To upright 200 litre steel bunghole drums and rolling hoop drums from a horizontal position or to store them lying down

- suitable for charging drum shelves etc.



Type	Max. no. of (200 l drum)	Load capacity in kg	Dimensions in mm (l x w x h)	Distance between forks in mm	Max. cross section forks in mm	Weight painted in kg
FW-I	1	300	1875 x 700 x 545	290	150 x 60	102
FW-II	2	600	1875 x 1320 x 545	620	150 x 60	150

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

DRUM TIPPER TYPE FD



Type FD-K

Pick-up, transport and controlled emptying of 200 litre steel bung-hole drums and steel drums with a lid

- sturdy frame
- self-braking gear box
- drum cradle with eccentric lock
- can be secured to prevent slipping

Types available

Type FD-K

- tipping process by loop chain
- suitable for forklift truck

Type FD-HK

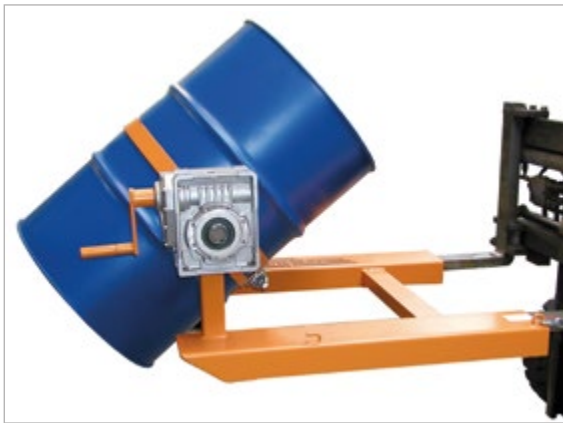
- tipping process by crank handle
- suitable for forklift truck

Type FD-H

- tipping process by lifting cylinder
- suitable for forklift truck

Type FD-SK

- tipping process by loop chain
- suitable for forklift truck and crane



Type FD-HK



Type FD-SK



Type FD-H

DRUM TIPPER TYPE FD/L



Type FD/L-HK

How to pick up and empty steel bung-hole drums, steel drums with a lid, rolling hoop drums, plastic L-ring drums, plastic double L-ring drums and plastic drums with a lid ranging from 110 to 220 litres

- similar to the FD, but with adjustment feature to accommodate drums
- suitable for forklift truck

Types available

Type FD/L-K

- tipping process by loop chain

Type FD/L-HK

- tipping process by crank handle



Type	Tipping process by	Drum (Ø) in mm	Load capacity in kg	Range of rotation in degree	Distance between forks in mm	Max. cross section forks in mm	Weight painted in kg
FD-K	loop chain	560	360	360	650	150 x 60	76
FD-HK	crank handle	560	360	360	650	150 x 60	70
FD-H	lifting cylinder	560	360	180	650	150 x 60	75
FD-SK	loop chain	560	360	360	350	180 x 70	79
FD/L-K	loop chain	490-590	360	270	540	150 x 60	141
FD/L-HK	crank handle	490-590	360	270	540	150 x 60	135

Finish:

RAL 2000

RAL 3000

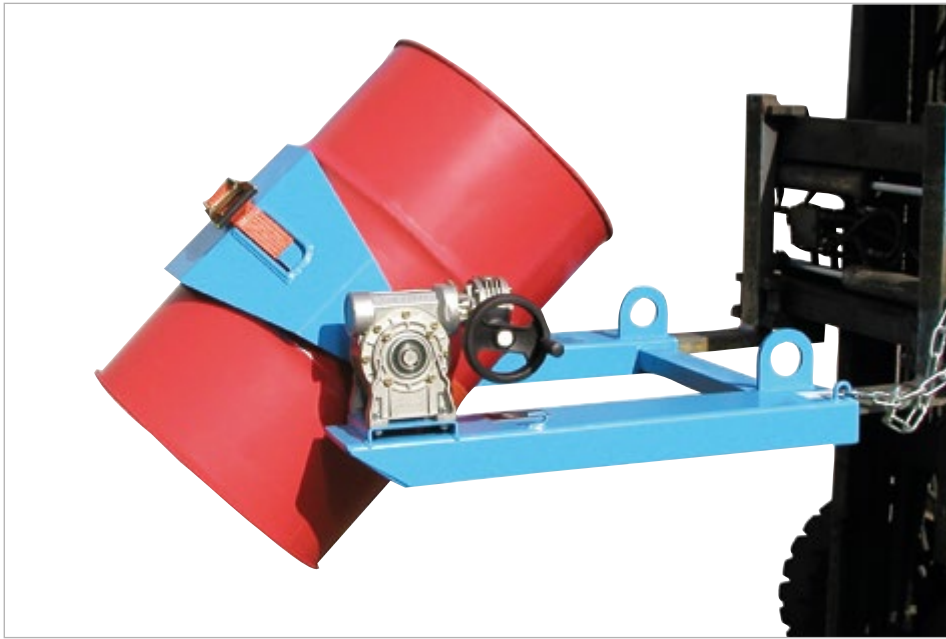
RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

DRUM TIPPER TYPE FLEX



Type FLEX-HK, emptying a 200 litre steel bunghole drum

A multifunctional unit - used for transporting, controlled emptying, turning over and setting down drums and other receptacles. Suitable for steel bungholedrums, steel drums with a lid, steel rolling hoop drums, plastic L-ring drums and plastic double L-ring drums ranging from 60 to 220 litres and for 120/240 litre waste bins

- sturdy frame with fork sleeves
- prism pick-up with tension belt and double worm gear
- can be secured to prevent slipping
- load capacity 300 kg
- range of rotation 360°
- suitable for pick-up by a forklift truck, dumper or crane



Type FLEX-HK, emptying a 60 litre steel bunghole drums



Type FLEX-K

Types available

Type FLEX-HK

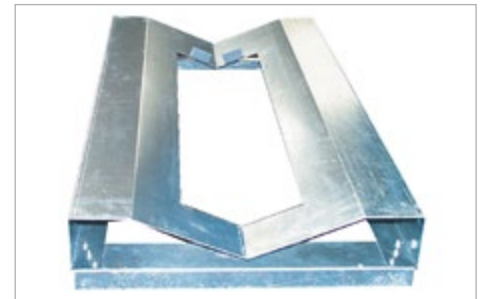
- tipping process by crank handle

Type FLEX-K

- tipping process by loop chain

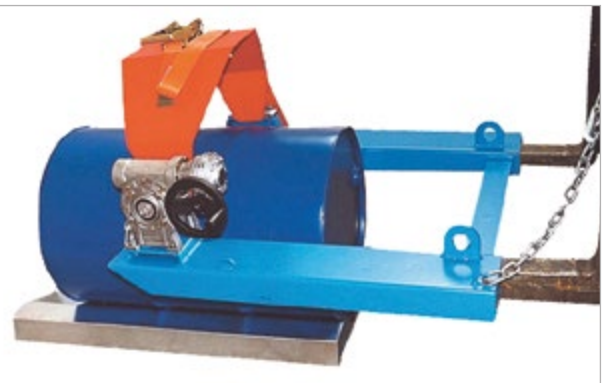
Accessory

- shelf drum pallet **type RP**



Type FLEX-K, emptying a 240 litre waste bin

The ideal combination for picking up drums in upright position and setting them down on shelves in a horizontal position for storage: Drum tipper Type FLEX and shelf drum pallet Type RP.



Setting down a drum on the shelf drum pallet type RP

Type	Tipping process by	Dimensions in mm (l x w x h)	Load capacity in kg	Range of rotation in degree	Distance between forks in mm	Max. cross section forks in mm	Weight painted in kg
FLEX-HK	crank handle	1000 x 1000 x 430	300	360	650	150 x 60	70
FLEX-K	loop chain	1000 x 1000 x 430	300	360	650	150 x 60	75
RP		1114 x 580 x 140	300	360	300	130 x 65	16

Individual construction on request

- e.g. stainless steel for "ex"-zones in compliance with "ATEX 95"

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

DRUM TURNING CLAW TYPE FWZ



For lifting and transporting 60 litre or 200 litre steel bung-hole drums and steel drums with a lid - in either a vertical or horizontal position

- rubber guard to prevent damage to drum (can be replaced)
- locking lever to secure in open position
- operating lever to adjust tilting position

Type	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
FWZ 60	320x 780x 900	100	22
FWZ 200	425x1100x1350	300	58

DRUM CLAMP TYPE FKL



For lifting upright drums 200 litre steel bung-hole drums

- automatically secured
- finish **RAL 2000**

Type	Load capacity in kg	Weight painted in kg
FKL	350	10



crane hooks (please refer to page 47) an ideal complement for all products on these pages

SCISSOR GRIPPER TYPE LG



For lifting upright 200 litre steel bung-hole drums

Type	Dimensions (l x w x h) in mm	Load capacity in kg	Weight painted in kg
LG	1020 x 100 x 450	360	10

DRUM CLAW TYPE LGZ



For lifting upright 200 litre steel bung-hole drums

Type	Dimensions (l x w x h) in mm	Load capacity in kg	Weight painted in kg
LGZ	768 x 200 x 419	300	5

Finish: **RAL 2000** **RAL 5012** hot-dip galvanized

DRUM TRAVERSE TYPE FT



Type FT/M



Type FT/MK

For lifting upright drums or for charging containers

- finish **hot-dip galvanized**

Types available

Type FT/M

- suitable for 200 litre steel bunghole drums

Type FT/MK

- suitable for 200 litre steel bunghole drums, 220 litre plastic L-ring drums and plastic double L-ring drums

Type	Dimensions in mm (ø x h)	Load capacity in kg	Weight painted in kg
FT-M	610 x 255	300	5
FT-MK	610 x 270	300	5

DRUM GRIPPER TYPE 3P



The safe way to handle a variety of drums: steel bunghole drums, steel drums with a lid, rolling hoop drums, plastic L-ring drums, plastic double L-ring drums and plastic drums with a lid ranging from 60 to 220 litres

- 3-point clamping system
- automatic eccentric lock
- ideal for charging over or salvage drums
- adjustable positioning feature

Type	Dimensions in mm (ø x h)	Load capacity in kg	Span range in mm	Weight painted in kg
3P	630 x 900	400	270-680	17

DRUM GRIPPER TYPE 4P



Type 4P



Type 4P-D

- 4-point clamping system
- release activated by the guiding rod

Types available

Type 4P

- for 200 litre steel bunghole drums, steel drums with a lid, 220 litre plastic L-ring drums and plastic double L-ring drums

Type 4P-D

- for plastic drums with a lid ranging from 120 to 220 litres

Type	Dimensions in mm (l x w x h)	Load capacity in kg	Span range in mm	Weight painted in kg
4P	875 x 675 x 335	350	560-600	10
4P-D120	685 x 495 x 335	350	370-420	8
4P-D220	830 x 590 x 370	350	450-500	9

Finish: **RAL 2000** **RAL 5012** hot-dip galvanized

DRUM JACK ROLLER **TYPE FHR**

Pick up drums and transport them safely

- suitable for charging retention basins, depots for hazardous materials, drum stacking pallets etc.
- with a towing bar
- swivel castors Ø 180 mm, fixed castors Ø 80 mm

Types available

Type FHR 600 G

- for steel bunghole drums, steel drums with a lid, steel rolling hoop drums, plastic I-ring drums, plastic double I-ring drums, plastic drums with a lid, rectangular drums and conical drums with a lid ranging from 110 to 220 litres also open drums
- individual construction on request e.g. stainless steel for "ex"-zones in compliance with "ATEX 95"

Type FHR 600 K

- with a brace to pick up 200 litre steel bunghole drums, steel drums with a lid and steel rolling hoop drums

Type FHR 600 F

- controlled emptying and turning over of bunghole drums, steel drums with a lid, steel rolling hoop drums, plastic L-ring drums and plastic double L-ring drums ranging from 60 to 220 litres
- prism pick-up with tension belt and double worm gear with crank handle
- range of rotation up to 360°



Type FHR 600 G



Type FHR 600 K



Type FHR 600 F (with 60 litre drum)



Type FHR 600 F (with 200 litre drum)

Type	Width of pallet in mm	Load capacity in kg	Length in mm	Width outside in mm	Width inside in mm	Height in mm	Stroke height in mm	Weight painted in kg
FHR 600 G	800	300	990	1125	845	1320	600	109
FHR 600 K	800	300	990	1125	845	1320	600	109
FHR 600 F	800	300	1100	1155	845	1320	600	152

Finish:

RAL 2000

RAL 5012

hot-dip galvanized

LIFTOMAT TYPE L



Type L/M 1300

Type L/E 1300

Controlled emptying of steel bunghole drums, steel drums with a lid, steel rolling hoop drums, plastic L-ring drums, plastic double L-ring drums and plastic drums with a lid ranging from 110 to 220 litres

- range of rotation up to 270°
- 2 swivel castors Ø 175 mm and 2 fixed castors Ø 200 mm made of solid rubber, both swivel castors with brake
- safe pick-up guaranteed; drum is held by the tension band at the front and spindle at the top
- with crank handle and self-braking gear box

Types available

Type L/E

- electric-hydraulic construction fitted with maintenance-free battery 12V/88Ah and charger for 230 V mains connection

Type L/M

- hydraulic construction with manual pump

Individual construction on request

- e.g. stainless steel for “ex”-zones in compliance with “ATEX 95” (type L/M)

Type	Design	Dimensions in mm (l x w x h)	Load capacity in kg	Stroke height in mm	Total stroke height in mm	Emptying height in mm	Range of rotation in degree	Weight painted in kg
L/M 600	hydraulic	1270 x 1120 x 1230	350	18	450	600	270	156
L/M 1300	hydraulic	1350 x 1120 x 1915	350	18	1100	1300	270	192
L/E 1300	electric-hydraulic	1350 x 1120 x 1915	350	--	1100	1300	270	220

DISPENSING AIDS FOR CANISTERS TYPE KAH



Type KAH-25 with spill tray for small cans type KGW (please refer to page 77)



Type KAH-60 with retention basin type AW 60 (please refer to page 78)

The easy and effortless way to dispense material from canisters ranging from 5 - 60 litres

- construction made of steel sheeting, not assembled
- including wall-fittings



Type KAH fitted to the wall

Typ	Canister sizes in l	Dimensions in mm (l x w x h)	Weight painted in kg
KAH-5	5	360 x 270 x 520	5
KAH-25	20/25	520 x 375 x 780	6
KAH-60	50/60	520 x 470 x 820	8

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

DRUM HAND CAR TYPE FHC



Transport unit for 200 litre steel bung-hole drums and steel drums with a lid

- the drum is raised and lowered in a controlled manner
- the drum is gripped from the side; neither the base nor the tension ring (in the case of a drum with lid) can be damaged
- 2 fixed polyamide castors Ø 200 mm and one swivel castor Ø 175 with brake
- spray painted **RAL 2000** or **RAL 5012**

Type	Max. no. of (200 l drum)	Load capacity in kg	Weight in kg
FHC	1	250	39

DRUM DOLLY TYPE FRW

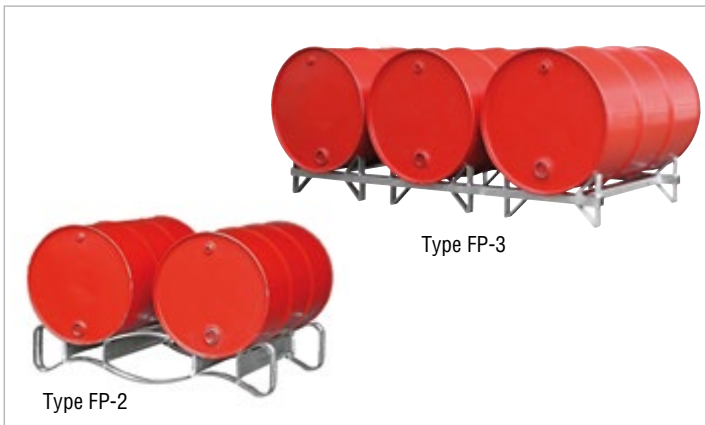


A simple and safe way to manoeuvre drums up to Ø 600 mm

- construction made of steel sheeting
- 3 different types available
- with 4 polyamide swivel castors Ø 100 mm, one swivel castor with brake

Type	Dimensions in mm (l x w x h)	Ø inside in mm	Load capacity in kg	Weight painted in kg
FRW-I	660 x 620 x 160	610	300	10
FRW-II	625 x 620 x 210	610	300	12
FRW-III	700 x 620 x 1025	610	300	19

DRUM PALLETS TYPE FP



Storage of 200 litre drums in a horizontal position

- can be stacked 5 units
- max. width of forks 150 mm
- finish **hot-dip galvanized**

Type	Max. no. of (200 l drum)	Dimensions when in use (l x w x h) in mm	Weight in kg
FP-2	2	1280 x 750 x 250	22
FP-3	3	1670 x 775 x 200	30

DRUM TROLLEY TYPE FP-V / FP-L



Less physical strength needed for pick-up 200 litre steel bung-hole drums

- with suspended axel, ideal weight distribution
- stands up by itself; hardly any space needed for storage
- safe and easy for (un)loading pallets
- available with either pneumatic tyres (**type FP-V**) or solid rubber tyres (**type FP-L**)
- finish **galvanized**

Type	Max. no. of (200 l drum)	Load capacity in kg	Dimensions in mm (l x w x h)	Weight in kg
FP-V	1	350	420 x 750 x 1540	20
FP-L	1	350	420 x 750 x 1540	17

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

DRUM-MULTIGRIP TYPE FMG



type FMG folded, low transport and storage dimensions



suitable for trucks



suitable for crane

Pick-up and transport of 200 litre steel bung-hole drums and steel drums with a lid, plastic L-ring drums, plastic double L-ring drums

- sturdy steel construction
- sling and crane eyes
- for use with a fork lift truck, crane or manual handling
- also suitable as drum key for bungs
- spray painted **RAL 2000**



manual handling



The dissembled sidearm can be used as a drum key

Type	Dimensions in mm (l x w x h)	Transport Dimensions (l x w x h) approx. in mm	Load capacity in kg	Weight in kg
FMG	640 x 185 x 740	820 x 300 x 100	300	9

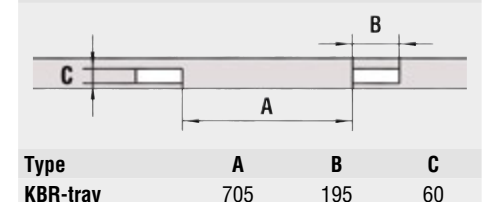
SHEET METAL STORAGE UNITS WITH TRAYS TYPE KBR



Space-saving, clear-cut storage unit for steel sheets or other materials in plate format

- frame: sturdy steel construction with retainer bar
- 6 steel trays with forks sleeves, for steel sheets measuring up to 3000 x 1500 mm
- max. loading height per tray: 120 mm
- prepared for anchorage to the ground
- 2 units KBR can be stacked i.e. max. 12 trays above one another
- units must be screwed together on site

Fork sleeve inside dimensions in mm



Type	Dimensions in mm (l x w x h)	Load capacity in kg/tray	Weight in kg
KBR 1	2240 x 1050 x 1580	1000	920
KBR 2	2740 x 1300 x 1580	1000	1120
KBR 3	3240 x 1550 x 1580	1000	1500

Finish: **RAL 2000** **RAL 3000** **RAL 5012** **RAL 6011** **RAL 7005**

	Fixed castor	Swivel castor	Swivel castor with brake	Wheel
Polyamide castors Natural coloured polyamide, with rolling element bearing, suitable for temperatures from -40°C to +90°C, steel plate case, glossy galvanized finish, with double row ball bearing in fork head, wheel axle screwed in place, brake with double stop function				
Polyamide heavy-duty castors Natural coloured polyamide, with ball bearing, suitable for temperatures from -40°C to +90°C, steel plate case, glossy galvanized finish, with double row ball bearing in fork head, wheel axle screwed in place, brake with double stop function				
Polyurethane heavy-duty castors Special cast wheel body with polyurethane tread surface, steel plate case, glossy galvanized finish, with double row ball bearing in fork head, wheel axle screwed in place, brake with double stop function				
Solid rubber castors Steel plate wheel body, glossy galvanized finish, with rolling element bearing, solid rubber tyres, steel plate case, glossy galvanized finish, with double row ball bearing in fork head, wheel axle screwed in place, brake with double stop function				
Elastic solid rubber castors Elastic solid rubber tyre vulcanised on to aluminium wheel body, galvanized steel plate case, with double row ball bearing in fork head, wheel axle screwed in place, brake with double stop function				

Art.-no.									
		in mm	in mm	in mm	in mm	in kg			
259509	Polyamide	Fixed castor	100	40	125	135 x 110	105 x 80	9	350
259510	Polyamide	Swivel castor	100	40	125	135 x 110	105 x 80	9	350
259511	Polyamide	Swivel castor with brake	100	40	125	135 x 110	105 x 80	9	350
259058	Polyamide	Wheel	100	40					350
259540	Polyamide	Fixed castor	125	40	155	135 x 110	105 x 80	9	200
259541	Polyamide	Swivel castor	125	40	155	135 x 110	105 x 80	9	200
259542	Polyamide	Swivel castor with brake	125	40	155	135 x 110	105 x 80	9	200
259057	Polyamide	Wheel	125	40					200
259597	Polyamide	Fixed castor	180	45	220	135 x 110	105 x 80	11	450
259598	Polyamide	Swivel castor	180	45	220	135 x 110	105 x 80	11	450
259599	Polyamide	Swivel castor with brake	180	45	220	135 x 110	105 x 80	11	450
259060	Polyamide	Wheel	180	45					450
259506	Polyamide	Fixed castor	100	35	125	135 x 110	105 x 80	8,5	300
259507	Polyamide	Swivel castor	100	35	125	135 x 110	105 x 80	8,5	300
259508	Polyamide	Swivel castor with brake	100	35	125	135 x 110	105 x 80	8,5	300
259059	Polyamide	Wheel	100	35					300
259594	Polyamide heavy-duty	Fixed castor	180	45	220	135 x 110	105 x 80	11	850
259595	Polyamide heavy-duty	Swivel castor	180	45	220	135 x 110	105 x 80	11	850
259596	Polyamide heavy-duty	Swivel castor with brake	180	45	220	135 x 110	105 x 80	11	850
259061	Polyamide heavy-duty	Wheel	180	45					850
259580	Polyurethane heavy-duty	Fixed castor	180	40	220	135 x 110	105 x 80	11	650
259582	Polyurethane heavy-duty	Swivel castor	180	40	220	135 x 110	105 x 80	11	650
259581	Polyurethane heavy-duty	Swivel castor with brake	180	40	220	135 x 110	105 x 80	11	650
259065	Polyurethane heavy-duty	Wheel	180	40					650
259620	Solid rubber	Fixed castor	180	50	220	135 x 110	105 x 80	11	170
259621	Solid rubber	Swivel castor	180	50	220	135 x 110	105 x 80	11	170
259622	Solid rubber	Swivel castor with brake	180	50	220	135 x 110	105 x 80	11	170
259074	Solid rubber	Wheel	180	50					170
259626	Elastic solid rubber	Fixed castor	180	50	220	135 x 110	105 x 80	11	350
259627	Elastic solid rubber	Swivel castor	180	50	220	135 x 110	105 x 80	11	350
259628	Elastic solid rubber	Swivel castor with brake	180	50	220	135 x 110	105 x 80	11	350
259077	Elastic solid rubber	Wheel	180	50					350

ENVIRONMENT / STORAGE



20-60 litre retention basins 77-78



200 litre retention basins 79-95



1000 litre retention basins 83, 87-94



Ground protection basins 96-97



Diesel filling points 98-99



Hazardous materials depots 102-107



Drum shelves/Filling points 109-112



Shelf sumps/Pallet shelves 113-115



Gas cylinder storage 116-119



Safety cabinets 121



Shelf containers 122-123



Heating chambers 127



Fireproof containers 128-130



Collection points 132-133



Mini-container-system 134



CORRECT STORAGE OF HAZARDOUS MATERIALS (GERMAN LEGISLATION)

An excerpt from the German Federal Water Act ("WHG") - Any work any work facilities dealing with materials that pose a potential threat to ground water i.e. storage, filling, production, treatment or use of any such products must be designed and equipped to avoid polluting water or have any other detrimental effect on its characteristics.

Construction Approval

Our retention basins are manufactured in accordance with "StawaR" - the German technical requirements for retention basins made of steel. Any retention basin that deviates from these requirements is covered by one of our general construction approvals issued by the "DIBt" (German Institute for Technical Construction)

List of Abbreviations used

"DIBt"	German Institute for Technical Construction
"GHS"	Globally Harmonized Systems of Classification and Labelling of Chemicals. This is a system aimed at standardising classification of and labelling hazardous chemicals at an international level. It is not a standard but a new approach aimed at gaining clarity and enhancing the protection of human health and the environment. Here is a useful website: www.unece.org/trans/danger/publi/ghs/ghs_welcome_e.html
"REACH"	A new European Community Regulation on chemicals and their safe use (EC 1907/2006). It deals with the Registration, Evaluation, Authorisation and Restriction of Chemical substances, since December 2010. Here is a useful website: ec.europa.eu/environment/chemicals/reach/reach_intro.htm
"StawaR"	Technical requirements for steel retention basins with a volume of up to 1000 litres
"TRbF"	Technical rules for flammable liquids
"TRGS"	Technical rules for e.g. compressed gases. General requirements for compressed gas containers and the use thereof
"ÜHP"	Statement of Compliance - a statement issued by the manufacturer following a product test by an accredited inspection authority
"WHG"	German Federal Water Act

Classification of Liquids that can Pollute

According to GHS / Reach			
Grade	Hazard Symbol	"h"-rating	Class
acute		H400	GHS 1
chronic		H410	GHS 1
chronic		H411	GHS 2
chronic		H412	GHS 3
chronic		H413	GHS 4

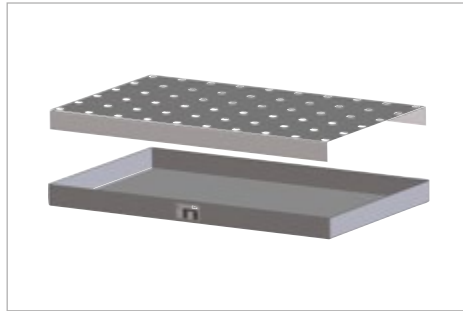
Classification of flammable Liquids

According to GHS / Reach				
Grade	Hazard Symbol	Characteristic	"h"-rating	Class
extremely inflammable		Flashpoint < 23 °C boiling point ≤ 35 °C	H224	GHS 1
highly inflammable		Flashpoint < 23 °C boiling point > 35 °C	H225	GHS 1
inflammable		Flashpoint ≥ 23°C ≤ 60°C	H226	GHS 2

SPILL TRAY FOR SMALL CANS TYPE KGW



Type KGW incl. level with punched holes



Especially for the storage of small cans

- retention capacity 20 - 60 litres
- a choice of material for the tray: either 3 mm steel sheeting or
- 2 mm stainless steel for the storage of aggressive liquids

Accessories

- level with punched holes **galvanized**
- level with punched holes **stainless steel**



Type KGW 2 with dispensing aid for cans type KAH-25 (please refer to page 107)

Type	Dimensions in mm (l x w x h)	Retention capacity in l	Weight in kg galvanized/stainless steel
KGW 1	940 x 370 x 60	20	12/ 8
KGW 2	940 x 470 x 60	25	14/10
KGW 3	1000 x 600 x 70	39	19/13
KGW 4	1390 x 600 x 60	46	25/17
KGW 5	1850 x 600 x 60	62	33/22

StawaR U

stainless steel execution

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

SPILL TRAY FOR SMALL CANS ON PALLETS TYPE KGW-P



On a euro pallet 1200x800 mm: KGW-P 1, KGW-P 1 incl. level with punched holes and KGW-P 2 incl. level with punched holes

Type	Dimensions in mm (l x w x h)	Retention capacity in l	Load capacity in kg	Weight in kg
KGW-P 1	600 x 400 x 120	27	50	11
KGW-P 2	800 x 600 x 120	55	100	19
KGW-P 3	1200 x 800 x 100	91	200	32
KGW-P 4	1200 x 600 x 120	82	200	27

The safe and mobile way to store small cans on euro or chemical pallets

- retention capacity 20 - 60 litres
- a choice of material for the tray: either 3 mm steel sheeting or
- 2 mm stainless steel for the storage of aggressive liquids
- spill trays can be combined and are an exact fit for euro pallets and chemical pallets

Accessories

- level with punched holes **galvanized**
- level with punched holes **stainless steel**

StawaR U

stainless steel execution

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

Finish: **galvanized** **stainless steel**

RETENTION BASIN TYPE AW 60



Type	Max. no. of (60 litre drum)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight painted in kg
AW 60-1/M	2	800 x 500 x 290	72	34
AW 60-2/M	4	900 x 800 x 220	81	46
AW 60-3/M	6	1300 x 800 x 205	103	58
AW 60-1	-	800 x 500 x 290	73	28
AW 60-2	-	900 x 800 x 220	82	34
AW 60-3	-	1300 x 800 x 205	104	41

Storage of max. 6 x 60 litre drums, also combined with small cans

- construction made of 3 mm steel sheeting
- 100 mm ground leeway

Types available

Type AW 60

- without grid

Type AW 60/M

- with galvanized grid
- load capacity 1000 kg/m²

Accessories (please refer to page 107)

- drum supports type FA 60, galvanized
- clip-on rotating support type RA 60 for rotating the drums, galvanized
- can shelves type GR, galvanized
- 2 swivel + 2 fixed polyamide castors Ø 100 mm, one swivel castor with brake – construction height 125 mm

for all products on this page applies

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

MOBILE RETENTION BASIN TYPE AW 60 SR



Type AW 60-1 SR



Type AW 60-1 SRF

Type	Max. no. of (litre drum x l)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight painted in kg
AW 60-1 SR	2 x 60	800 x 500 x 415	72	39
AW 60-1 SRF	1 x 60	800 x 500 x 415	72	49

Mobile storage of 60 litre drums

- construction made of 3 mm steel sheeting
- galvanized grid (load capacity 1000 kg/m²)

Types available

Type AW 60-1 SR

- storage of max. 2 x 60 litre drums horizontal
- 2 swivel + 2 fixed polyamide castors Ø 100 mm, one swivel castor with brake – construction height 125 mm
- handle

Type AW 60-1 SRF

- storage of 1 x 60 litre drum vertical
- 2 swivel + 2 fixed polyamide castors Ø 100 mm, one swivel castor with brake – construction height 125 mm
- handle
- drum support type FA 60-1, galvanized, for horizontal storage and filling of 60 litre drums, flat pack

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

RETENTION BASINS TYPE AM / AO



Type AM-2



Type AO-4/A



Type AM-4/B

Storage of max. 4 x 200 litre drums, also combined with 60 litre drums and small cans

- construction made of 3 mm steel sheeting
- 100 mm ground leeway
- conical construction
- can be stacked in one another
- strengthened by reinforced edging on both sides
- for use with a pallet truck or forklift truck

Types available

Type AM

- with galvanized grid (load capacity 1000 kg/m²)

Type AO

- without grid

Accessories (please refer to page 107)

- drum supports type FA, galvanized
- clip-on rotating supports type RA for rotating the drums, galvanized
- can shelves type GR, galvanized

Type	Max. no. of (200 litre drum)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight painted in kg
AM-1	1	800 x 800 x 545	241	66
AM-2	2	1200 x 800 x 415	263	76
AM-4/A	4	1200 x 1200 x 335	304	99
AM-4/B	4	2400 x 800 x 285	312	122
AO-1	-	800 x 800 x 545	242	52
AO-2	-	1200 x 800 x 415	265	56
AO-4/A	-	1200 x 1200 x 335	309	65
AO-4/B	-	2400 x 800 x 285	318	82

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

RETENTION BASINS TYPE ECO-S



Type ECO-S 4/200 - shipping unit



Type ECO-S 2/200

U



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

The conical retention basin optimized for logistics - for the storage of max. 4 drums of 200 l, also combined with 60 litre drums and small cans

- construction made of 2 mm steel sheeting
- 100 mm ground leeway
- galvanized grid (load capacity 650 kg/m²)
- conical construction
- can be stacked
- for use with a pallet truck or forklift truck
- shipping unit: 15 units on a europallet

Accessories: please refer to page 107

Type	Max. no. of (200 litre drum)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight galvanized in kg
ECO-S 2/200	2	1200 x 800 x 360	232	48
ECO-S 4/200	4	1200 x 1200 x 280	240	70
ECO-S 4/400	4	1200 x 1200 x 430	440	80

Finish:

hot-dip galvanized

RETENTION BASINS TYPE SERIES 2000



Storage of max. 4 x 200 litre drums, also combined with 60 litre drums and small cans

- construction made of 3 mm steel sheeting
- 100 mm ground leeway
- with/without galvanized grid (load capacity 1000 kg/m²)
- with/without castors: 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake – construction height 220 mm and handle

Accessories (please refer to page 107)

- safety belt for 1 or 2 x 200 litre drums
- drum supports type FA, galvanized
- clip-on rotating supports type RA for rotating the drums, galvanized
- can shelves type GR, galvanized

Type	Max. no. of (200 litre drum)	Finish	Grid	Dimensions in mm (l x w x h)	Retention capacity in l	Weight painted/galv. in kg
2000 / 2001	-	painted / galvanized	-	800 x 800 x 465	222	45 / 49
2002 / 2003	1	painted / galvanized	✓	800 x 800 x 465	221	59 / 63
2016 / 2017	-	painted / galvanized	-	1200 x 800 x 360	243	49 / 54
2018 / 2019	2	painted / galvanized	✓	1200 x 800 x 360	240	70 / 75
2030 / 2031	-	painted / galvanized	-	1200 x 1200 x 285	259	57 / 63
2032 / 2033	4	painted / galvanized	✓	1200 x 1200 x 285	255	87 / 93
2048 / 2049	-	painted / galvanized	-	1800 x 800 x 275	245	58 / 62
2050 / 2051	3	lackiert / verzinkt	✓	1800 x 800 x 275	235	86 / 90

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

RETENTION BASINS TYPE SERIES 2000



Type 2008



Type 2010



Type 2028

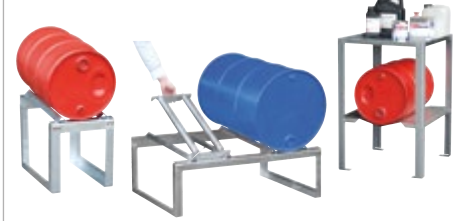


Type 2041



Type 2042

► Accessories: please refer to page 107



Type	Max. no. of (200 litre drum)	Finish	Grid	Dimensions in mm (l x w x h)	Retention capacity in l	Weight painted/galv. in kg
2008 / 2009	-	painted/galvanized	-	1200 x 800 x 260	243	46 / 51
2010 / 2011	2	painted/galvanized	✓	1200 x 800 x 260	240	67 / 72
2026 / 2027	-	painted/galvanized	-	1200 x 1200 x 185	259	54 / 60
2028 / 2029	4	painted/galvanized	✓	1200 x 1200 x 185	255	84 / 90
2040 / 2041	-	painted/galvanized	-	2400 x 800 x 250	279	71 / 78
2042 / 2043	4	lackiert/verzinkt	✓	2400 x 800 x 250	273	113 / 120



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

MOBILE RETENTION BASIN TYPE SERIES 2000



Type 2050 SR



Type 2020 with safety belt

Mobile storage of 200 litre drums

- construction made of 3 mm steel sheeting
- galvanized grid (load capacity 1000 kg/m²)
- storage of 1-3 x 200 litre drums standing
- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake – construction height 220 mm
- handle

Accessorie (please refer to page 107)

- safety belts



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

Type	Max. no. of (200 litre drum)	Finish	Dimensions in mm (l x w x h)	Retention capacity in l	Weight painted/galv. in kg
2004 / 2005	1	painted/galvanized	800 x 800 x 615	221	70 / 75
2020 / 2021	2	painted/galvanized	1200 x 800 x 510	240	81 / 87
2050 SR / 2051 SR	3	painted/galvanized	1800 x 800 x 430	240	98 / 103

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

RETENTION BASINS TYPE WM / WO



Storage of max. 4 x 200 litre drums, also combined with 60 litre drums and small cans

- construction made of 3 mm steel sheeting
- 100 mm ground leeway
- for use with a pallet truck or forklift truck
- finish hot-dip galvanized

Types available

Type WM

- with galvanized grid (load capacity 1000 kg/m²)

Type WO

- without grid

Accessories (please refer to page 107)

- drum supports type FA, galvanized
- clip-on rotating supports type RA for rotating the drums, galvanized
- can shelves type GR, galvanized

Type	Max. no. of (200 litre drum)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight in kg
WM-2/200	2	1200 x 800 x 360	240	72
WM-4/200	4	1200 x 1200 x 285	255	91
WM-4/400	4	1200 x 1200 x 415	440	103
WO-2/200	-	1200 x 800 x 360	243	51
WO-4/200	-	1200 x 1200 x 285	259	62
WO-4/400	-	1200 x 1200 x 415	444	74

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

SPLINE SUMP TYPE PW



Storage of max. 4 x 200 litre drums, also combined with 60 litre drums

- construction made of 3 mm steel sheeting
- drums stand on splines
- 100 mm ground leeway
- can be stacked



Type	Max. no. of (200 litre drum)	Dimensions in mm (l x w x h)	Retention capacity in l	Load capacity in kg	Weight painted in kg
PW 200-2	2	1200 x 800 x 360	242	600	59
PW 200-4	4	1200 x 1200 x 285	257	1200	72
PW 400-4	4	1200 x 1200 x 410	435	1200	86

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

SPLINE SUMP TYPE PWE



Storage of max. 4 x 200 litre drums, also combined with 60 litre drums

- construction made of 2 mm steel sheeting
- drums stand on splines
- 100 mm ground leeway
- can be stacked



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

Type	Max. no. of (200 litre drum)	Dimensions in mm (l x w x h)	Retention capacity in l	Load capacity in kg	Weight painted in kg
PWE 200-2	2	1200 x 800 x 360	245	480	44
PWE 200-4	4	1200 x 1200 x 285	261	960	54
PWE 400-4	4	1200 x 1200 x 410	440	960	63

RETENTION BASIN TYPE ECO



Storage of max. 4 x 200 litre drums or max. 2 x 1000 litre containers (IBC), also combined with 60 litre drums and small cans

- construction made of 2 mm steel sheeting
- 100 mm ground leeway
- galvanized grid (load capacity 1000 kg/m²)

Types available

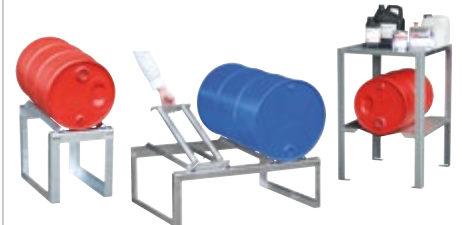
Type ECO

- without raised platform

Type ECO-A

- with raised platform

▶ Accessories: please refer to page 107



Type	Max. no. of (200 litre drum/1000 litre IBC)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight painted in kg
ECO 1/200	1 / -	800 x 800 x 455	222	46
ECO 2/200	2 / -	1200 x 800 x 360	245	57
ECO 4/200	4 / -	1200 x 1200 x 285	261	74
ECO 4/400	4 / -	1200 x 1200 x 410	440	80
ECO 1/1000	- / 1	1460 x 1460 x 620	1100	147
ECO 2/1000	- / 2	2650 x 1300 x 435	1128	198
ECO-A 1/1000	- / 1	1460 x 1460 x 1083	1100	161
ECO-A 2/1000	- / 2	2650 x 1460 x 863	1128	242



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

MODUL RETENTION BASIN TYPE MAW



Storage of max. 2 x 200 litre drums, also combined with 60 litre drums and small cans

Modular design consists at choice of:

- **Retention basin**
construction made of 3 mm steel sheeting, 100 mm ground leeway, retention capacity 244 litres
- **Element No. 1**
Grid inclusive supports (load capacity 1000 kg/m²)
- **Element No. 2**
2 swivel + 2 fixed polyamide castors Ø 100 mm, one swivel castor with brake; construction height 125 mm, handle galvanized
- **Element No. 3**
2 runners
- **Element No. 4**
galvanized drum stand type FA 200-1 for horizontal storage of 1 x 200 litre drum, in kit form
- **Element No. 5**
galvanized clip-on rotating support type RA 200

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

- **Element No. 6**
surround with a door that can be locked



Element No. 1



Element No. 3

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4



Retention basin with **element No. 2**

Type	Dimensions	Weight in kg
	in mm (l x w x h)	painted/galvanized
MAW retention basin	1295 x 735 x 365	50 / 54
Element No. 1 grid inclusive supports	713 x 1230 x 30	-- / 19
Element No. 2 galvanized handle + castors	635 x 60 x 950	-- / 7
Element No. 3 runners	1275 x 80 x 95	14 / 15
Element No. 4 drum support type FA 200-1	540 x 775 x 445	-- / 13
Element No. 5 clip-on rotating support type RA 200	320 x 720 x 75	-- / 7
Element No. 6 galvanized surround	1295 x 740 x 1450	-- / 89

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

RETENTION BASINS TYPE AS / AST / AW-F



Type AS-1



Type AS-2



Type AS-G 1



Type AS-G 2



Type AST



Type AW-F 2 with safety belt

Storage of max. 2 x 200 litre drums

- construction made of 3 mm steel sheeting
- galvanized grid (load capacity 1000 kg/m²)
- reinforced edging as grid support

Types available

Type AS

- drum supports type FA 200, galvanized
- 100 mm ground leeway

Type AS-G

- similar to the type AS but with splash protection wall made of galvanized steel sheeting on 3 sides
- 100 mm ground leeway

Type AST

- drum support type FA 200-1, galvanized
- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake – construction height 220 mm
- handle

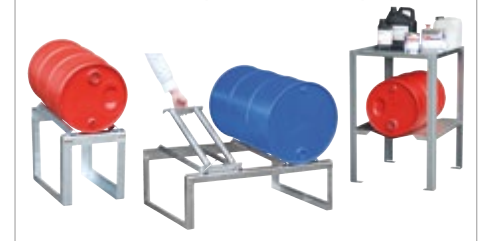
Type AW-F

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake – construction height 220 mm
- handle

Accessories

- for type AS/AST: clip-on rotating support type RA 200 for rotating the drums, galvanized
- for type AW-F: safety belt

► Accessories: please refer to page 107



Type	Max. no. of (200 litre drum)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight painted in kg
AS-1	1	1200 x 800 x 835	263	87
AS-2	2	1200 x 1200 x 755	304	110
AS-G 1	1	1200 x 800 x 1405	241	127
AS-G 2	2	1200 x 1200 x 1325	268	153
AST	1	1200 x 800 x 570	263	97
AW-F 1	1	800 x 800 x 570	241	91
AW-F 2	2	1200 x 800 x 570	263	97



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

RETENTION BASINS TYPE AW 8-12



Type AW-12



Type AW-10



Type AW-8

Storage of max. 12 x 200 litre drums, also combined with 60 litre drums and small cans

- construction made of 3 mm steel sheeting
- 100 mm ground leeway
- galvanized grid (load capacity 1000 kg/m²)

Accessories

- drum supports type FA, galvanized
- clip-on rotating supports type RA for rotating the drums, galvanized
- can shelves type GR, galvanized

► Accessories: please refer to page 107



Type	Max. no. of (200 litre drum)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight painted in kg
AW-8	8	2650 x 1300 x 210	340	194
AW-10	10	3250 x 1300 x 190	395	231
AW-12	12	3880 x 1300 x 200	470	277



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

RETENTION BASIN TYPE AW



Type AW 450



Type AW 800

Storage of max. 10 x 200 litre drums or max. 3 x 1000 litre containers (IBC), also combined with 60 litre drums and small cans

- construction made of 3 mm steel sheeting
- 100 mm ground leeway
- galvanized grid (load capacity 1000 kg/m²)

Accessories (please refer to page 107)

- drum pallet type FP-2, galvanized

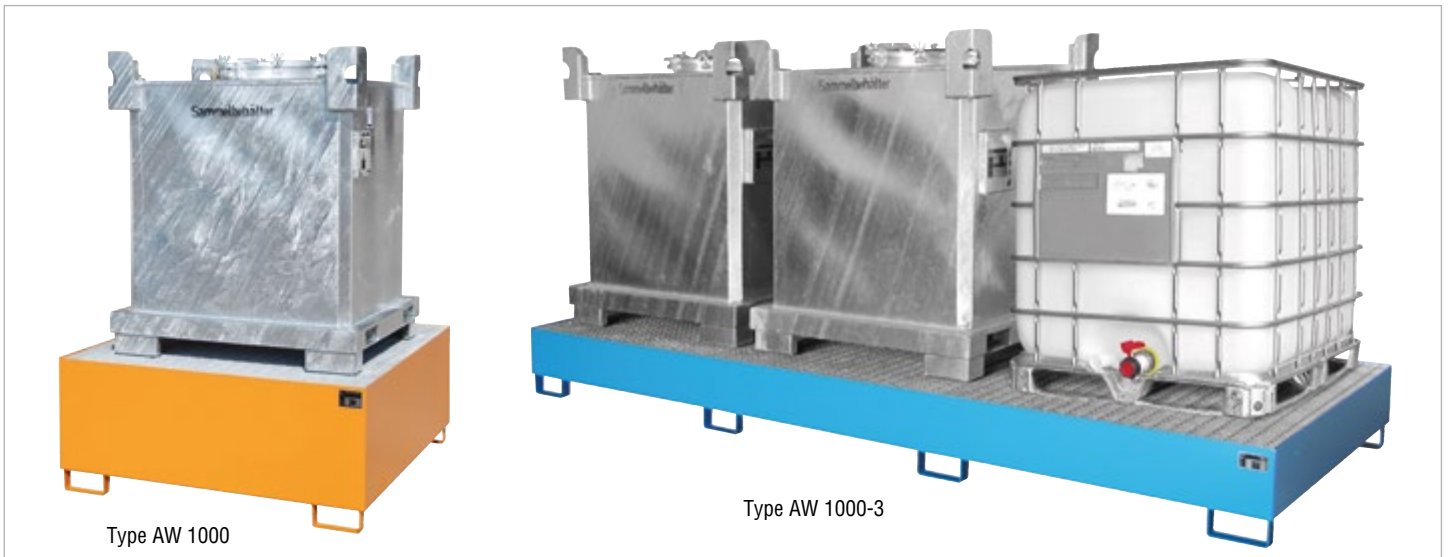
Individual construction on request

- e.g. stainless steel



Type AW 1000-2

Type AW 1000-10F



Type AW 1000

Type AW 1000-3

Type	Max. no. of (200 litre drum/1000 litre IBC)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight painted in kg
AW 450	4 / -	1460 x 1460 x 355	525	144
AW 800	4 / -	1460 x 1460 x 525	885	165
AW 1000	- / 1	1460 x 1460 x 620	1100	180
AW 1000-2	- / 2	2650 x 1300 x 435	1128	236
AW 1000-10F	10 / 2	2690 x 1650 x 375	1186	274
AW 1000-3	- / 3	3850 x 1300 x 340	1163	314



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

RETENTION BASIN TYPE AWA



Type AWA 1000



Type AWA 1000-2 + Type FP-2



Type AWA 1000-3



Type AWA 21



Type AWA 31 + Type FP-2



Type AWA 32

Storage of max. 3 x 1000 litre containers (IBC), also combined with 60/200 litre drums and small cans

- construction made of 3 mm steel sheeting
- 100 mm ground leeway
- with raised platform or
- combination of raised platform and galvanized grid (load capacity 1000 kg/m²)

Accessories

- drum pallet type FP-2, galvanized
- drum supports type FA, galvanized
- clip-on rotating supports type RA for rotating the drums, galvanized
- can shelves type GR, galvanized

Individual construction on request

- e.g. PE inlay

▶ Accessories: please refer to page 107



Type	No. of raised platform/grid	Max. no. of (1000 litre IBC)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight painted in kg
AWA 1000	1 / -	1	1460 x 1460 x 1083	1100	194
AWA 1000-2	2 / -	2	2650 x 1460 x 863	1128	280
AWA 1000-3	3 / -	3	3850 x 1460 x 780	1170	382
AWA 21	1 / 1	2	2650 x 1460 x 863	1128	272
AWA 31	1 / 2	3	3850 x 1460 x 780	1170	336
AWA 32	2 / 1	3	3850 x 1460 x 780	1170	362

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

RETENTION BASIN TYPE AW/SW



Type 2002/SW



Type 2018/SW

The safe way to handle materials during emptying, filling and when cleaning oily parts. Storage of max. 10 x 200 litre drums or max. 3 x 1000 litre containers (IBC), also combined with 60 litre drums and small cans

- construction made of 3 mm steel sheeting
- 100 mm ground leeway
- galvanized grid (load capacity 1000 kg/m²)
- splash protection wall made of galvanized steel sheeting on 3 sides, height 1000 mm



Type 2033/SW



Type 2042/SW



Type AW 1000/SW



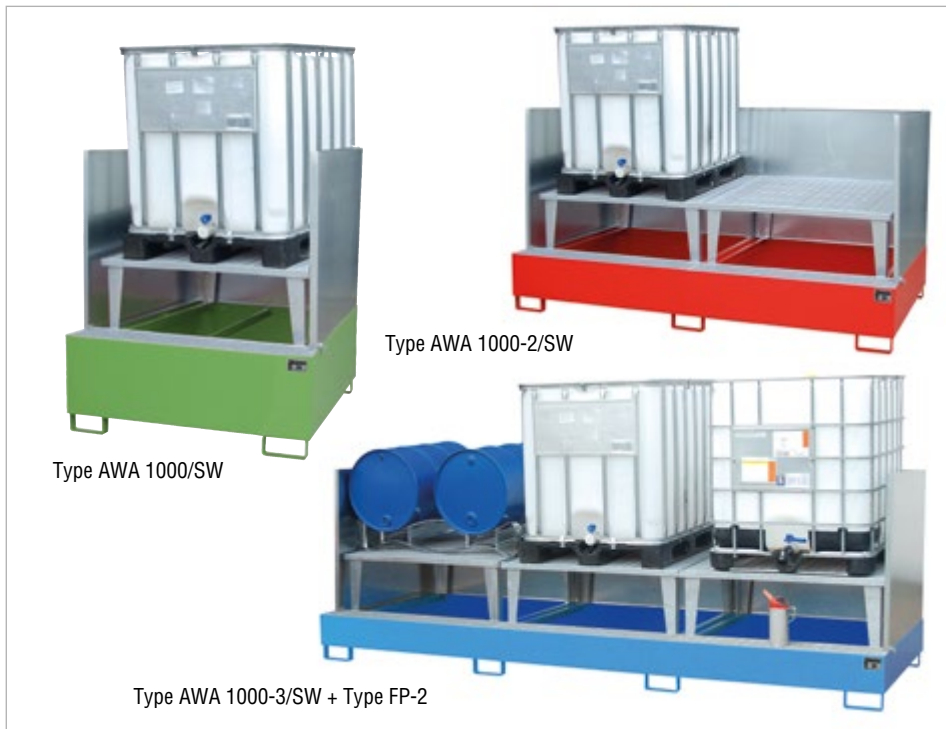
Type AW 1000-2/SW + Type FA 200-2

Type	Finish	Max. no. of (200 litre drum/ 1000 litre IBC)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight painted in kg
2002/SW+2003/SW	painted/galvanized	1 / -	800 x 800 x 465	221	91
2018/SW+2019/SW	painted/galvanized	2 / -	1200 x 800 x 360	240	108
2032/SW+2033/SW	painted/galvanized	4 / -	1200 x 1200 x 285	255	135
2042/SW-2043/SW	painted/galvanized	4 / -	2400 x 800 x 250	273	179
AW 450/SW		4 / -	1460 x 1460 x 355	525	197
AW 800/SW		4 / -	1460 x 1460 x 525	885	218
AW 1000/SW		- / 1	1460 x 1460 x 620	1100	233
AW 1000-2/SW		- / 2	2650 x 1300 x 435	1128	304
AW 1000-10F/SW		10 / 2	2690 x 1650 x 375	1186	353
AW 1000-3/SW		- / 3	3850 x 1300 x 340	1163	411

► **Accessories:** please refer to page 107

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

RETENTION BASIN TYPE AWA/SW



The safe way to handle materials during emptying, filling and when cleaning oily parts. Storage of max. 3 x 1000 litre containers (IBC), also combined with 60/200 litre drums and small cans

- construction made of 3 mm steel sheeting
- 100 mm ground leeway
- with raised platform or
- combination of raised platform and galvanized grid (load capacity 1000 kg/m²)
- splash protection wall made of galvanized steel sheeting on 3 sides, height 1000 mm

Accessories

- drum pallet type FP-2, galvanized
- drum supports type FA, galvanized
- clip-on rotating supports type RA for rotating the drums, galvanized
- can shelves type GR, galvanized



Type AWA 21/SW



Type AWA 31/SW + Type FA 200-2



Type AWA 32/SW

▶ Accessories: please refer to page 107



Type	No. of raised platform/grid	Max. no. of (1000 litre IBC)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight painted in kg
AWA 1000/SW	1 / -	1	1460 x 1460 x 1083	1100	247
AWA 1000-2/SW	2 / -	2	2650 x 1460 x 863	1128	360
AWA 1000-3/SW	3 / -	3	3850 x 1460 x 780	1170	412
AWA 21/SW	1 / 1	2	2650 x 1460 x 863	1128	325
AWA 31/SW	1 / 2	3	3850 x 1460 x 780	1170	429
AWA 32/SW	2 / 1	3	3850 x 1460 x 780	1170	464

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

RETENTION BASIN TYPE AW/PE



Type AW-1/PE

Storage of max. 4 x 200 litre drums or max. 2 x 1000 litre containers (IBC) containing aggressive products, also combined with 60 litre drums and small cans

- construction made of 3 mm steel sheeting
- 100 mm ground leeway
- PE inlay
- fixing frame
- galvanized grid (load capacity 1000 kg/m²)

Accessories

- drum pallet type FP-2, galvanized
- drum supports type FA, galvanized
- clip-on rotating supports type RA for rotating the drums, galvanized
- can shelves type GR, galvanized



Type AW-1/PE



Type AW 1000-2/PE



Type AW 1000/PE

► Accessories: please refer to page 107



Type	Max. no. of (200 litre drum/1000 litre IBC)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight painted in kg
AW-1/PE	1 / -	812 x 812 x 468	202	84
AW-2/PE	2 / -	1212 x 812 x 363	230	99
AW-4/A/PE	4 / -	1212 x 1212 x 288	240	124
AW-4/B/PE	4 / -	2412 x 812 x 253	254	163
AW 1000/PE	- / 1	1472 x 1472 x 623	1053	226
AW 1000-2/PE	- / 2	2662 x 1312 x 438	1084	296

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

GREEN-LINE POLYETHYLENE SUMP PALLETS TYPE WP



Type WP-PE 1/11 with decanting tray type VB 1



Type WP 2/11



Type WP-PE 2/2



Type WPA-PE 4/2



Type WP-PE 8/11

Safe storage of 200 litre drums and 1000 litre containers (IBC) in compliance with regulations

- rigid structure made from polyethylene
- resistant to acids, alkalis, oils and other non-flammable substances
- integrated fork lift pockets
- type available in blue

Integrated upstands

- **Type WP**

Incl. PE-pallet as storage base

- **Type WP-PE**
- **Type WPA-PE**
4 way fork pockets for easy access

Accessories

decanting tray for polyethylene sump pallets

- **Type VB 1** for WP-PE 1/11
- **Type VB 2** for WP 2/11 and WP-PE 2/11



Decanting tray type VB 1
(for WP-PE 1/11)



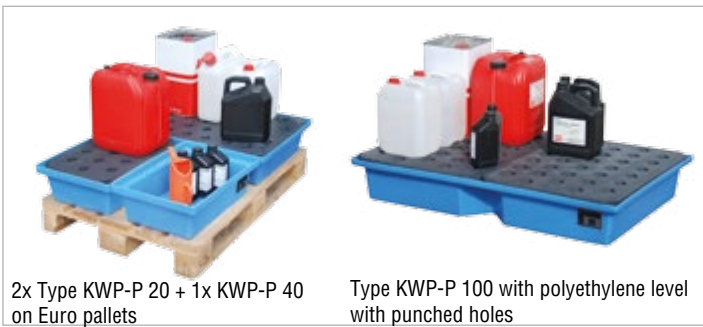
Decanting tray type VB 2 (for
WP 2/11 and WP-PE 2/11)



construction approval by the
DIBt, Berlin

Type	Max. no. of (200 litre drum/1000 litre IBC)	Polyethylene-pallet	Dimensions	Retention capacity	Weight	load capacity
			in mm (l x w x h)	in l	in kg	in kg
WP 1/11	- / 1	-	1590 x 1455 x 715	1125	80	1500
WP 2/11	- / 2	-	2340 x 1360 x 510	1150	85	2800
WP-PE 2/2	2 / -	✓	1220 x 820 x 330	240	26	650
WP-PE 4/2	4 / -	✓	1280 x 1280 x 275	230	35	1250
WP-PE 4/4	4 / -	✓	1310 x 1310 x 370	410	44	1250
WPA-PE 2/2	2 / -	✓	1220 x 820 x 450	230	27	650
WPA-PE 4/2	4 / -	✓	1220 x 1220 x 390	250	40	1300
WP-PE 1/11	- / 1	✓	1760 x 1350 x 710	1100	107	1500
WP-PE 2/11	- / 2	✓	2560 x 1350 x 510	1140	136	2500
WP-PE 8/11	8 / 2	✓	2560 x 1350 x 510	1140	136	2500
Decanting tray						
Type VB 1 for WP-PE 1/11	- / -	-	525 x 545 x 835	86	8,5	-
Typ VB 2 for WP 2/11 and WP-PE 2/11	- / -	-	530 x 520 x 530	86	4	-

GREEN-LINE POLYETHYLENE SUMP PALLETS FOR PALLETS TYPE KWP-P



2x Type KWP-P 20 + 1x KWP-P 40 on Euro pallets

Type KWP-P 100 with polyethylene level with punched holes

Type	Dimensions in mm (l x w x h)	Retention capacity in l	Weight in kg	Load capacity in kg
KWP-P 20	600 x 400 x 170	20	2	55
KWP-P 30	800 x 400 x 170	30	3	55
KWP-P 40	800 x 600 x 170	40	4	105
KWP-P 60	1000 x 600 x 175	60	6	205
KWP-P 100	1200 x 800 x 195	100	7	205

The safe and mobile way to store small cans and other receptacles on euro or chemical pallets

- rigid structure made from polyethylene
- resistant to acids, alkalis, oils and other non-flammable substances
- retention basin 20 to 100 litre
- can be combined with each other, optimized for pallets dimensions
- type available in blue

Accessory

- polyethylene level with punched holes



GREEN-LINE MOBILE POLYETHYLENE SUMP PALLET TYPE WPT



Type WPT 230

Type	Dimensions in mm (l x w x h)	Retention capacity in l	Weight in kg	Load capacity in kg
WPT 230	1600 x 740 x 640	230	44	300

Storage and transport of 1 x 200 litre drum

- splash protection wall
- safety belt
- one swivel castor with brake and two fixed castor
- easy to handle, one man operation
- type available in blue



GREEN-LINE POLYETHYLENE BUNDED SPILL FLOORING TYPE BWP



Type BWPS-PE 300 + ramp type BWR

Type	Max. no. of (200 litre drum)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight painted in kg	load capacity in kg
BWP-PE 150	-	1260 x 860 x 150	150	20	1000
BWP-PE 300	4	1660 x 1260 x 150	300	40	2000
BWPS-PE 300	4	2610 x 895 x 150	300	48	2000
Ramp type BWR	-	650 x 800 x 160	-	9	1000
Joining element BWV 2	-	1260 x 130 x 36	-	1,5	-
Joining element BWV 4	-	1660 x 130 x 36	-	2	-

Safe storage of small containers and 200 litre drums in compliance with regulations

- rigid structure made from polyethylene
- resistant to acids, alkalis, oils and other non-flammable substances
- with polyethylene pallets
- type available in blue

Accessories

- ramp type BWR
- joining element type BWV 2
- joining element type BWV 4



joining element



STAINLESS STEEL RETENTION BASIN **TYPE VAW**



Type VAW-1



Type VAW-2 with grid

Storage of max. 4 x 200 litre drums or max. 2 x 1000 litre containers (IBC) containing aggressive products, also combined with 60 litre drums and small cans

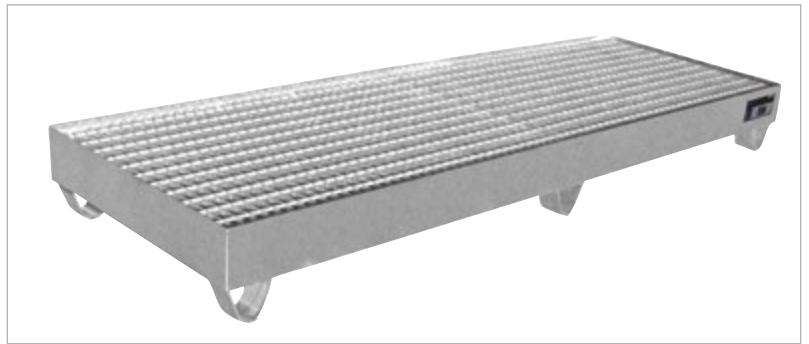
- construction made of 2 mm stainless steel sheeting
- 100 mm ground leeway

Accessories (please refer to page 107)

- galvanized grid (load capacity 1000 kg/m²)
- stainless steel grid (load capacity 1000 kg/m²)
- drum supports type FA, galvanized
- clip-on rotating supports type RA for rotating the drums, galvanized



Type VAW-4/A with grid



Type VAW-4/B with grid



Type VAW-1000 with grid



Type VAW-1000-2 with grid

Type	Max. no. of (200 litre drum/1000 litre IBC)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight in kg without/with grid
VAW-1	1 / -	800 x 800 x 465	222	33 / 45
VAW-2	2 / -	1200 x 800 x 360	243	37 / 55
VAW-4/A	4 / -	1200 x 1200 x 285	259	42 / 66
VAW-4/B	4 / -	2400 x 800 x 250	279	54 / 91
VAW-1000	- / 1	1460 x 1460 x 620	1100	103 / 143
VAW-1000-2	- / 2	2650 x 1300 x 435	1128	125 / 189



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

CORNER BASIN TYPE EW

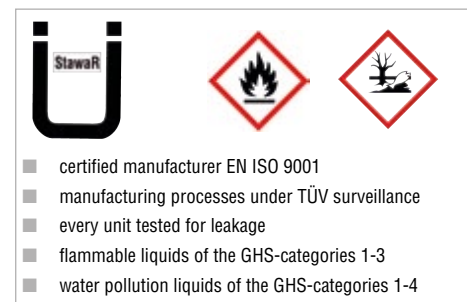


Storage of max. 5 x 200 litre drums, also combined with 60 litre drums and small cans

- for optimized use of space
- low structural height
- 100 mm ground leeway
- galvanized grid (load capacity 1000 kg/m²)

Accessories (please refer to page 107)

- splash protection wall type SW made of galvanized steel sheeting, height 1000 mm
- drum supports type FA, galvanized
- clip-on rotating supports type RA for rotating the drums, galvanized
- can shelves type GR, galvanized



Type	Max. no. of (200 litre drum)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight painted in kg
EW-3	3	1250 x 700 x 300	240	87
EW-5	5	1850 x 700 x 230	256	129

DRAINING UNIT FOR DRUMS TYPE MR

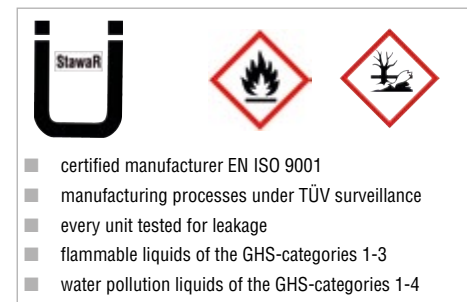


Draining of 60 and 200 litre steel bung hole drums

- retention basin made of 3 mm steel sheeting
- drum emptier galvanized
- securing for 60/200 litre steel drums
- manual operation - max. 30 kg
- galvanized plug-in draining basin incl. 3/4" drain cook

Accessory

- drum key made of stainless steel for 3/4" and 2" bungs



Type	Transport dimensions in mm (l x w x h)	Dimensions when in use in mm (l x w x h)	Retention capacity in l	Weight painted in kg
MR	842 x 800 x 415	1260 x 800 x 1230	233	61

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

GROUND PROTECTION BASINS TYPE BSW 21-24



8 x BSW + 5 x AR + 1 x AE + 3 x KV + 10 x WV (Accessories: drum trolley type FP-V, drum shelves type FR)

Ground protection basins can be driven, for storage and filling

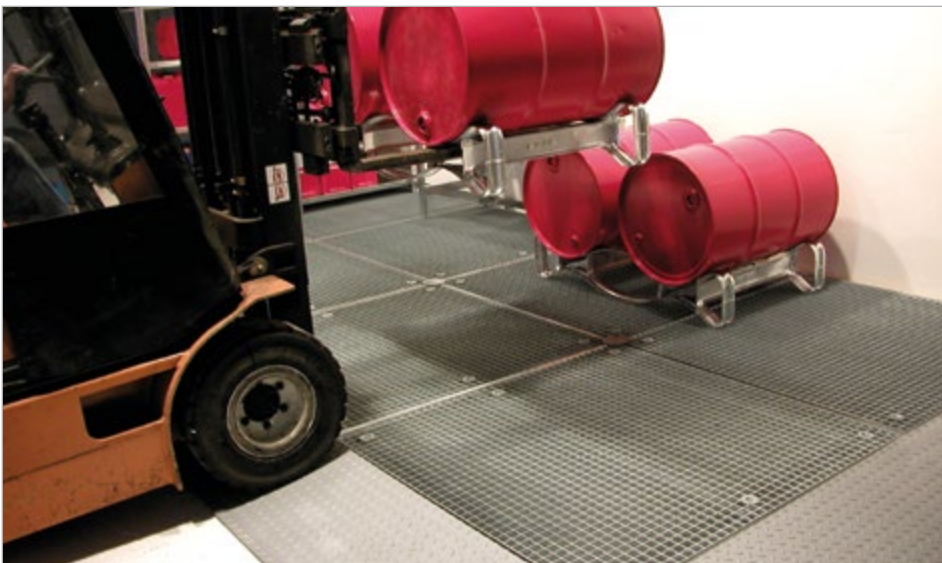
- surface load capacity 5,000 kg/m²
- point load capacity 500 kg
- can be driven on by either pallet- or forklift truck

Modular design consists at choice of:

- ground protection basins **type BSW**, construction height 78 mm, with galvanized grid
- access ramps **type AR**
- access coins **type AE**
- cross-shaped connecting piece **type KV**, galvanized
- basin connecting piece **type WV**, galvanized

Type	Ground protection basins				Access ramps			Access coin AE 24	Cross-shaped connect. piece KV 24	Basin connecting pieces		
	BSW 21	BSW 22	BSW 23	BSW 24	AR 21	AR 22	AR 23			WV 21	WV 22	WV 23
Dim. in mm (lxwxh)	1350x1350x78	1900x1350x78	2850x1350x78	2850x1900x78	1350x500x78	1900x500x78	2850x500x78	500x500x78	Ø 120 Höhe 20	1350x55x30	1900x55x30	2850x55x30
Retention cap. in (l)	127	179	269	378	-	-	-	-	-	-	-	-
Weight in kg	115	160	238	347	31	42	63	6	0,5	2	3	4

GROUND PROTECTION BASINS TYPE BSW 121-126



8 x BSW + 5 x AR + 1 x AE + 3 x KV + 10 x WV (Accessories: drum trolley type FP-V, drum shelves type FR)

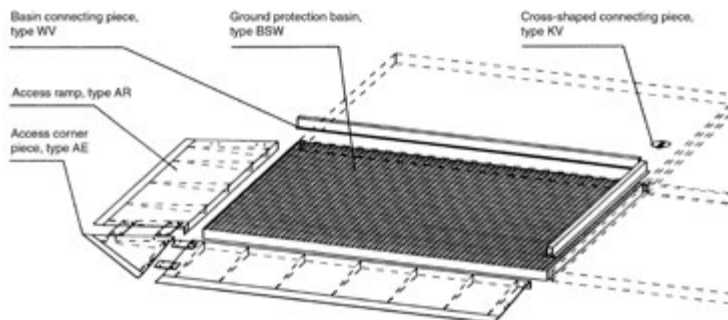
Ground protection basins can be driven, for storage and filling

- similar to type BSW 21-24, but ground protection basins with construction height 123 mm

Accessories

- skirting forms the connection to the wall, galvanized
- more accessories (please refer to page 107)

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4



Type	Basin connecting pieces				Cross-shaped connect. piece KV 124
	WV 121	WV 122	WV 123	WV 124	
Length mm	500	1000	2000	2500	Ø 120 H 16

Type	Ground protection basins						Access ramps				Access coin AE 124
	BSW 121	BSW 122	BSW 123	BSW 124	BSW 125	BSW 126	AR 121	AR 122	AR 123	AR 124	
Dim. in mm (lxwxh)	500x500x123	1000x500x123	1000x1000x123	2000x1000x123	2500x500x123	2500x1000x123	500x1120x123	1000x1120x123	2000x1120x123	2500x1120x123	1120x1120x123
Retention cap. in l	28	56	113	226	140	283	-	-	-	-	-
Weight in kg	25	46	80	155	111	187	26	50	97	120	23

96 **Finish:** galvanized **On request:** stainless steel

GROUND PROTECTION BASINS FOR USE UNDER MACHINES **TYPE BSW**



For use under machines according to customer-specific design / project engineering

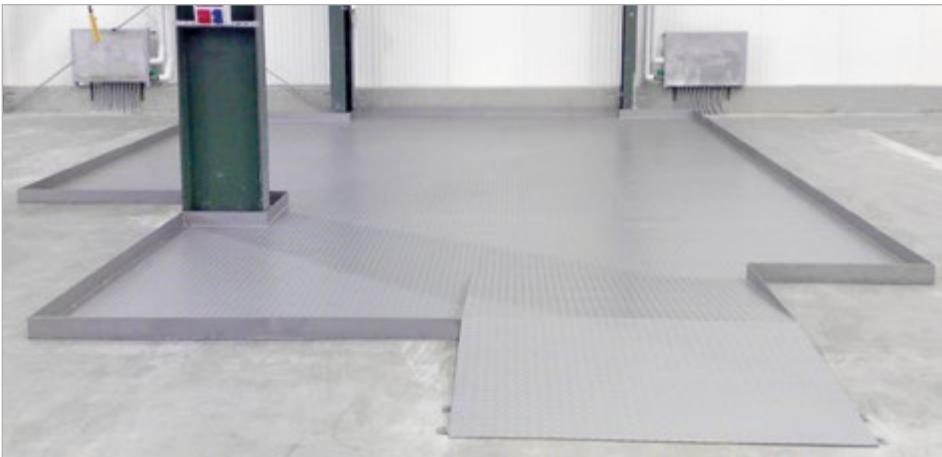
Modular design consists at choice of:

- basins with galvanized grid
- access ramps **type AR**
- access coins **type AE**
- cross-shaped connecting piece **type KV**, galvanized
- basin connecting piece **type WV**, galvanized



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

GROUND PROTECTION LININGS



Ground protection linings with open spaces for column pier and access ramp



Ground protection lining made of stainless steel



Threshold, bent, can be driven on



Gutter with grid

According to the legal requirements for Germany loading and unloading points for water pollution materials must have a suitable restraint system. The ground protection liners fulfil these requirements. Furthermore, mechanical damage of the ground can be prevented

- individual customization on local conditions
- low downtime for the company because of short construction time
- inlays of steel sheeting or stainless steel
- different steel sheeting thicknesses available
- steel plates are welded on site and fastened with dowels on the ground
- moved and mounted on a flat, stable ground
- non-slip surface that can be walked on
- can be driven on by pallet truck, with an appropriate design the ground protection linings can be driven on by forklift truck or truck

Accessories

- access ramps
- thresholds, bent or curved can be driven on
- gutter with grid
- impact-sound reducing or heatinsulating levelling layer between ground and ground protection linings
- skirtings
- emergency showers, exhausts
- grid covers

Painted finish according to your choice from the RAL colour code chart

DIESEL FILLING POINT TYPE TAW



Type TAW with impact protection



Type TAW with impact protection



Type TAW with impact protection

Filling point for diesel and biodiesel operated only for own consumption, indoor use or under cover

Types available

Type TAW

- sturdy steel construction
- non-slip surface that can be walked on
- must be anchored to solid ground
- thresholds on 3 sides can be driven on

Type TAW-D

- outdoor use
- with a two-part GRP cover (fibreglass) supported by gas compression springs

Accessories

- impact protection
- skirting forms the connection to the wall

Individual construction on request

- size according to customer specification
- as many thresholds as required
- spray painted - your choice of colour from the RAL colour code chart
- **stainless steel**



Type TAW-D



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- diesel according to DIN EN 590 and DIN EN 14214
- flammable liquids of the GHS-categorie 1
- water pollution liquids of the GHS-categorie 2

Type	Dimensions in mm (l x w x h)	Retention capacity in l	Weight approx. in kg
TAW 1	4000 x 2000 x 50	304	433
TAW 2	5000 x 2500 x 50	490	636
TAW 3	6000 x 3000 x 50	724	863
TAW-D	5000 x 2500 x 260	490	705

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

DIESEL FILLING POINT TYPE KPS



Filling point for diesel and biodiesel operated only for own consumption, indoor use or under cover

- design as type TAW (please refer to page 98), but with splash protection wall made of galvanized sheeting, height 1000 mm, must be assembled on site by customer

Type	Dimensions in mm (l x w x h)	Retention capacity in l	Weight approx. in kg
KPS 1	4000 x 2000 x 50	302	490
KPS 2	5000 x 2500 x 50	490	730
KPS 3	6000 x 3000 x 50	722	1000



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- diesel according to DIN EN 590 and DIN EN 14214
- flammable liquids of the GHS-categorie 1
- water pollution liquids of the GHS-categorie 2

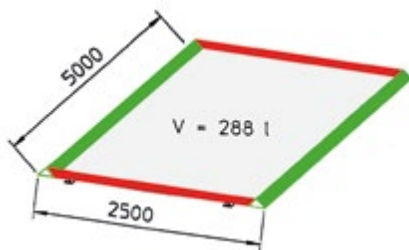
DIESEL FILLING POINT TYPE KPM



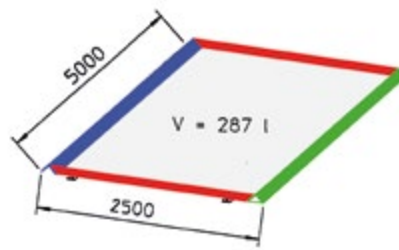
Filling point for diesel and biodiesel operated only for own consumption, for indoor use or under cover

- sturdy steel construction
- modular construction, easy to extend
- mobile, easy to transport
- each element is easily hooked up to the next
- non-slip surface, can be walked on
- prepared for anchorage to the ground
- threshold(s), can be driven on

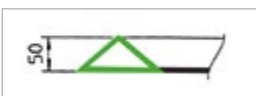
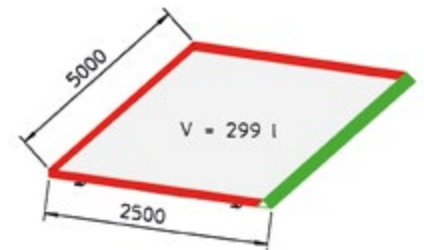
Basic element KPM 1



Extension element KPM 2



End element KPM 3



Threshold, can be driven on



Hook-up rim



Peripheral rim

Type	Dimensions in mm (l x w x h)	Retention capacity in l	Weight in kg
KPM 1	5000 x 2500 x 50	535	588
KPM 2	5000 x 2500 x 50	534	567
KPM 3	5000 x 2500 x 50	542	570



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- diesel according to DIN EN 590 and DIN EN 14214
- flammable liquids of the GHS-categorie 1
- water pollution liquids of the GHS-categorie 2

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

BASINS FOR SKIP TYPE CW



For the storage of skips filled with waste soaked in emulsions, cooling lubricants, oils etc., for indoor use or under cover

- for skips manufactured to standard DIN 30720 up to 10 m³
- sturdy steel construction
- covered basin to avoid further contamination of the liquids
- 4 suction openings, protected by a sieve that can be removed; openings also provide a view of the liquid level i.e. function as level indicator
- 5° inclined surface area
- suitable for forklift truck
- crane eyes for use with crane
- easy to clean

Individual construction on request

- e.g. for roll-on/roll-off containers manufactured to standard DIN 30722



Suction opening and level indicator

Type	Dimensions in mm (l x w x h)	Retention capacity in l	Surface load in kg	Weight in kg
CW 1	2300 x 2027 x 560	1015	20000	553
CW 2	2800 x 2027 x 560	1241	20000	675
CW 3	3300 x 2027 x 560	1467	20000	810

Other dimensions available on request !



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

DRUM STACKING PALLET TYPE FSP



Type FSP-2 and drum lifter type RS-1

Storage, stacking and transport of drums by pallet- or forklift truck. Storage of max. 4 x 200 litre drums, also combined with 60 litre drums and small cans

- construction made of 3 mm steel sheeting
- galvanized grid (load capacity 1000 kg/m²)
- 100 mm ground leeway
- stacking corners with crane eyes
- can be stacked (3 units)
- safety chain

Types available

Type FSP

- open laterally

Type FSP-G

- splash protection wall on 3 sides

Type FSP-D

- walls made of mesh



Type FSP-1



Type FSP-2 G



Type FSP-4 D



Type FSP-2 and type FSP-2 G

Type	Max. no. of (200 litre drum)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight painted in kg
FSP-1	1	760 x 760 x 1590	223	93
FSP-2	2	920 x 1410 x 1495	241	125
FSP-4	4	1410 x 1410 x 1435	268	160
FSP-1 D	1	760 x 760 x 1590	223	103
FSP-2 D	2	920 x 1410 x 1495	241	141
FSP-4 D	4	1410 x 1410 x 1435	268	190
FSP-1 G	1	760 x 760 x 1590	223	112
FSP-2 G	2	920 x 1410 x 1495	241	156
FSP-4 G	4	1410 x 1410 x 1435	268	220

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

HAZARDOUS MATERIALS CABINET TYPE GS



Type GS-2 with intermediate level



Type GS-4

Type GS-1

Storage of max. 4 x 200 litre drums or max. 1 x 1000 litre container (IBC), also combined with 60 litre drums and small cans

- indoor use or under cover
- retention basin made of 3 mm steel sheeting
- galvanized grid (load capacity 1000 kg/m²)
- 100 mm ground leeway
- superstructure closed construction made of galvanized steel sheeting
- lockable
- even drums with mounted pumps or funnels can be stored

Accessory

- intermediate level for storage of small cans

Type	Max. no. of (200 litre drum/1000 litre IBC)	Dimensions in mm (l x w x h)	Retention capacity in l	No. of doors	Weight painted in kg
GS-1	1 / -	840 x 690 x 1930	200	1	125
GS-2	2 / -	1680 x 690 x 1780	230	2	228
GS-3	4 / -	1475 x 1490 x 1800	525	1	349
GS-4	- / 1	1475 x 1490 x 2465	1085	1	426



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- liquids with a flashpoint > 55° C
- water pollution liquids of the GHS-categories 1-4

HAZARDOUS MATERIALS DEPOTS TYPE GD



Type GD-C, GD-B and GD-A with type GR-C



Type GD-A with type GR-B

Type GD-B with type FA 60-1

Storage of max. 2 x 200 litre drums, also combined with 60 litre drums and small cans

- retention basin made of 3 mm steel sheeting
- galvanized grid (load capacity 1000 kg/m²)
- 100 mm ground leeway

Types available

Type GD-A

- for indoor use
- splash protection walls
- safety chain

Type GD-B

- for outdoor use
- splash protection walls
- "all weather" glass fibre hood (red) with gas compression springs
- barrel lock

Type GD-C

- for indoor use
- lattice structured walls and hood to allow natural air circulation
- barrel lock



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3 (type GD-A and type GD-C)
- water pollution liquids of the GHS-categories 1-4



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- liquids with a flashpoint > 55° C (type GD-B)
- water pollution liquids of the GHS-categories 1-4

Type	Max. no. of (200 litre drum)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight painted in kg
GD-A	2	1420 x 800 x 1365	254	175
GD-B	2	1455 x 830 x 1450	254	198
GD-C	2	1450 x 815 x 1370	254	184

▶ Accessories: please refer to page 107



Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

HAZARDOUS MATERIALS DEPOT TYPE GD-E



Type GD-E/IBC
with additional painted finish on the outside



Type GD-E 2, additional painted finish on
the outside and with GR-A + GR-B

**Storage of max. 4 x 200 litre drums
or max. 1 x 1000 litre container (IBC),
also combined with 60 litre drums and
small cans**

- for indoor and outdoor use
- retention basin made of 3 mm steel sheeting
- galvanized grid (load capacity 1000 kg/m²)
- 100 mm ground leeway
- superstructure closed construction made of galvanized, profiled steel sheeting, additional painted finish (outside only) on request
- natural air circulation
- hinged door, lockable
- even drums with mounted pumps or funnels can be stored

Types available

Type GD-E

- hinged roof with 2 gas compression springs, easy to open or close

Type GD-E/IBC

- fixed roof

Accessories

- drum supports type FA, galvanized
- clip-on rotating supports type RA for rotating the drums, galvanized
- can shelves type GR, galvanized

► Accessories: please refer to page 107



Type GD-E 4 with type GR-B

Type	Max. no. of (200 litre drum/1000 litre IBC)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight in kg
GD-E 2	2 / -	1525 x 1250 x 1710	222	230
GD-E 4	4 / -	1525 x 1550 x 1699	280	265
GD-E/IBC	- / 1	1525 x 1550 x 2400	1038	343






- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

HAZARDOUS MATERIALS DEPOT **TYPE GD-N**



Type GD-N 2 with type GR-A



Type GD-N/R 2 and drum trolley type FP-V

Storage of max. 4 x 200 litre drums, also combined with 60 litre drums and small cans

- for indoor and outdoor use
- retention basin made of 3 mm steel sheeting
- galvanized grid (load capacity kg/m²)
- made of galvanized steel sheeting, additional painted finish (outside only) on request
- natural air circulation
- roof with gas compression springs
- can be locked
- even drums with mounted pumps or funnels can be stored

Types available

Type GD-N

- 2 hinged doors
- 100 mm ground leeway

Type GD-N/R

- hinged front door, made of aluminium, can be used as access ramp

Accessories

- intermediate galvanized grid (l x w) 1385 x 520 mm
1 pieces for type GD-N 2
2 pieces for type GD-N 4
- drum supports type FA, galvanized
- clip-on rotating supports type RA for rotating the drums, galvanized
- can shelves type GR, galvanized



Type	Max. no. of (200 litre drum)	Dimensions in mm (l x w x h)	Retention capacity in l	Weight in kg
GD-N 2	2	1437 x 1015 x 1614	242	236
GD-N 4	4	1437 x 1500 x 1557	269	302
GD-N/R 2	2	1437 x 1015 x 1514	242	224
GD-N/R 4	4	1437 x 1500 x 1457	269	290

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

HAZARDOUS MATERIALS CABINET WITH ROLLER SLIDE DOOR **TYPE RSG**



Type RSG with feet

Storage of 60 and 200 litre drums or/and small cans

- for indoor and outdoor use
- sturdy construction made of steel sheeting
- slide door made of aluminium
- natural air circulation
- lockable with cylinder lock
- finish: retention basin and intermediate level galvanized, Corpus in RAL-colours (refer to table)

Types available

Type RSG-1

- with retention basin for the storage of max. 2x 200-l-litre drums

Type RSG-2

- with retention basin for the storage of max. 6x 60-l-litre drums and with galvanized grid floor for the storage of small cans

Type RSG-3

- with retention basin for the storage of max. 6x 60-l-litre drums and with spill trays for small cans

Type RSG-4

- with 4 spill trays for small cans

Accessory

- adjustable feet



Type RSG-1

Type RSG-2

Type RSG-3

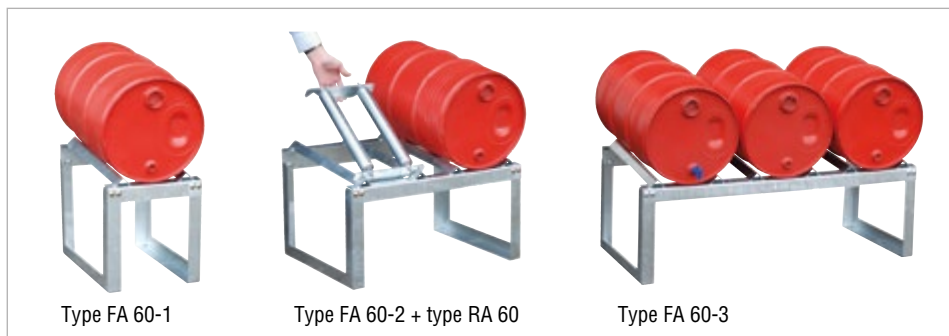
Type RSG-4

Type	Max. no. of 60 l / 200 l	Dimensions in mm (l x w x h)	Retention capacity in l	Weight in kg
RSG-1	- / 2	1294 x 870 x 1610	240	162
RSG-2	6 / -	1294 x 870 x 1610	89	162
RSG-3	6 / -	1294 x 870 x 1610	89+67	172
RSG-4	- / -	1294 x 870 x 1610	4 x 67	215



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

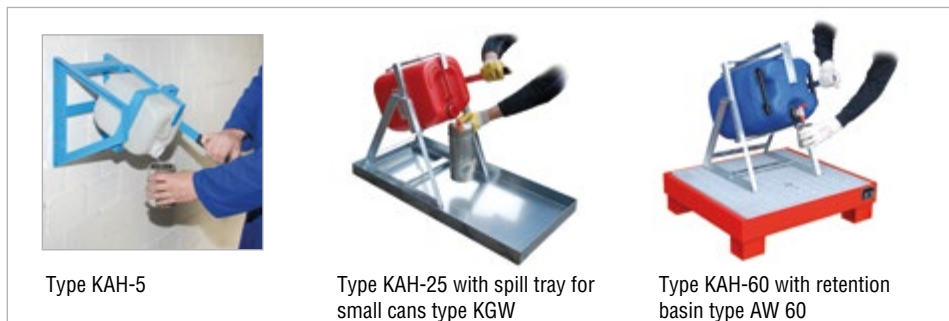
ACCESSORIES FOR RETENTION BASINS/HAZARDOUS MATERIALS DEPOTS



- **drum supports type FA**, galvanized, for horizontal storage and filling of 60/200 litre drums, for use with a retention basin with a grid, flat pack
- **clip-on rotating supports type RA**, galvanized, for rotating of 60/200 litre drums, to fit on drum stands type FA



- **drum pallets type FP**, galvanized, for horizontal storage of 200 litre drums; can be stacked max. 5 units; max. fork width 150 mm
- **can shelves type GR**, galvanized, various types available, flat pack
- **safety belts** for 1 of 2 x 200 litre drums, for mobile retention basins with handle



safety belt for 2x200 litre drums

Type		Max. no. of (drums/small cans/canisters)	Transport dimensions in mm (l x w x h)	Dimensions when in use in mm (l x w x h)	Weight in kg
FA 60-1	drum support	1 x 60 litre drum	400 x 550 x 120	355 x 545 x 455	10
FA 60-2	drum support	2 x 60 litre drums	800 x 550 x 120	755 x 545 x 455	14
FA 60-3	drum support	3 x 60 litre drums	1200 x 550 x 120	1155 x 545 x 455	21
FA 200-1	drum support	1 x 200 litre drum	600 x 800 x 120	540 x 775 x 445	13
FA 200-2	drum support	2 x 200 litre drums	1200 x 800 x 120	1155 x 775 x 445	19
RA 60	clip-on rotating support	1 x 60 litre drum		295 x 487 x 77	4
RA 200	clip-on rotating support	1 x 200 litre drum		320 x 487 x 77	4
FP-2	drum pallet	2 x 200 litre drums		1280 x 750 x 250	22
FP-3	drum pallet	3 x 200 litre drums		1670 x 775 x 200	30
GR-A	can shelf, 2 levels	small cans	900 x 700 x 80	600 x 698 x 900	22
GR-B	can shelf, drum support/level	1 x 60 litre drum/small can	900 x 700 x 80	600 x 698 x 900	22
GR-C	can shelf, 2 drum supports	2 x 60 litre drums	900 x 700 x 80	600 x 698 x 900	22
safety belt		1 x 200 litre drum			2
safety belt		2 x 200 litre drums			3
safety belt		3 x 200 litre drums			4
KAH-5	dispensing aid for canisters	1 x 5 litre canister		360 x 270 x 520	5
KAH-25	dispensing aid for canisters	1 x 25 litre canister		520 x 375 x 780	6
KAH-60	dispensing aid for canisters	1 x 60 litre canister		520 x 470 x 820	8

- **dispensing aids for canisters Type KAH**
 - ▶ easy to use, less effort required; available in various sizes to accommodate 5 - 60 litre canisters
 - ▶ construction made of steel sheeting
 - ▶ can be fitted to the wall
 - ▶ spray painted or galvanized

SHELVES WITH RETENTION BASINS FOR SMALL CANS TYPE SERIES 3000



Basic shelf S 3017-4E



Extension shelf S 3018-4E



Basic shelf S 3019-4E



Extension shelf S 3020-4E



Basic shelf S 3021-4E



Basic shelf S 3022-4E

Safe storage of small cans

- retention basins made of 3 mm steel sheeting
- plug-in system, simple assembly
- 1000 x 600 x 2000 in mm (lxwxh)
- 4 levels, load capacity per level 150 kg with uniformly distributed load

Accessory

- additional level



Retention basins also made of stainless steel available!

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4



Type	Design	Dimensions retention basin in mm (w x d x h)	Retention capacity in l	Weight in kg
3017-4E	Basic shelf with 4 levels (3 galvanized grids, 1 galvanized retention basin)	-	1 x 30	75
3018-4E	Extension shelf with 4 levels (3 galvanized grids, 1 galvanized retention basin)	-	1 x 30	65
3019-4E	Basic shelf with 4 levels (4 galvanized retention basin)	-	4 x 30	102
3020-4E	Extension shelf with 4 levels (4 galvanized retention basin)	-	4 x 30	92
3021-4E	Basic shelf with 4 levels (4 galvanized grids) + galvanized retention basin	1200 x 800 x 360	1 x 243	122
3022-4E	Basic shelf with 4 levels (4 galvanized level panels) + galvanized retention basin	1200 x 800 x 360	1 x 243	94
3023-4E	Basic- and extension shelf with 4 levels (2x4 galvanized grids) + galvanized retention basin	2400 x 800 x 250	1 x 279	204
3024-4E	Basic- and extension shelf with 4 levels (2x4 galvanized level panels) + galvanized retention basin	2400 x 800 x 250	1 x 279	150

Finish: **galvanized**

FILLING POINTS



Type AW 60-3 + GR 60-3
+ 3xAG 60-3 + 9xFA 60-A

Horizontal storage of and filling from max. 9 x 60 litre drums/canisters, also combined with small cans

Modular design consists at choice of:

- **retention basins type AW 60** made of 3 mm steel sheeting, 100 mm ground leeway
- **grid type GR**, galvanized (load capacity 1000 kg/m²)
- **shelves type AG**, galvanized, in kit form, can be stacked max. 3 units
- **canister stand type AB** (2 pieces per canister), galvanized, movable
- **drum support type FA 60-A** for 1 x 60 litre drum, galvanized
- **clip-on rotation support type RA 60-A**, verzinkt und steckbar, galvanized, for rotating of 60 litre drums



Type AW 60-3 + GR 60-3
+ 2xAG 60-3 + 12xAB



Typ AW 60-2 + 2xAG 60-2 + 4xFA 60-A



Dispensing aid for canisters type KAH-60 (please refer to page 107) with retention basin type AW 60-2/M (please refer to page 78)

Type	Max. no. of (60 litre drum)	Dimensions in mm (l x w x h)	Retention capacity in l	Load capacity in kg	Weight in kg painted/galvanized
Retention basin	AW 60-1	800 x 500 x 290	65	--	28 / 32
Grid	GR 60-1	780 x 420 x 30	--	--	-- / 6
Shelf	AG 60-1	515 x 515 x 555	--	65	-- / 9
Retention basin	AW 60-2	900 x 800 x 220	68	--	34 / 38
Grid	GR 60-2	820 x 780 x 30	--	--	-- / 12
Shelf	AG 60-2	915 x 515 x 555	--	130	-- / 10
Retention basin	AW 60-3	1300 x 800 x 205	84	--	42 / 48
Grid	GR 60-3	1220 x 780 x 30	--	--	-- / 18
Shelf	AG 60-3	1315 x 515 x 555	--	200	-- / 13
Canister stand	AB	100 x 510 x 150	--	--	-- / 2
Drum support	FA 60	270 x 510 x 60	--	--	-- / 2
Rollenaufflage	RA 60	270 x 510 x 80	--	--	-- / 4

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

FILLING STATION TYPE FAS



Type FAS-4 + 2xFP-2 + KH

Type	Max. no. of (200 litre drum)	Dimensions in mm (l x w x h)	Retention capacity in l	Load capacity in kg	Weight in kg
FAS-2	2	1300 x 1550 x 735	220	760	100
FAS-4	4	1300 x 2900 x 735	285	1520	169
FP-2	2	1280 x 750 x 250	---	---	22
KH		375 x 485 x 460	---	---	5

Horizontal storage of and filling from max. 4 x 200 litre drums

- retention basin with supporting feet and carrying beams for drum pallets
- clip-on flat pack system
- low transport volume

Accessories

- can rest type KH, galvanized
- drum pallet type FP-2, galvanized



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

DRUM SHELVES TYPE FR



Type FRA-2 + 2xFR-2 + FR-3



Type FRA-2 + FR-2



Type RA

Horizontal storage of and filling from max. 6 x 200 litre drums, also combined with 60 litre drums

Modular design consists at choice of:

- retention basin **type FRA** made of 3 mm steel sheeting, 100 mm ground leeway, finish spray painted or hot-dip galvanized
- grid **type GR-FR**, galvanized, for retention basin type FRA
- drum shelves **type FR** for 60/200 litre drums, galvanized, can be stacked max. 3 units, stacking corners with crane eyes
- shelves for small cans **type FRG** with galvanized grid for small cans, galvanized, can be stacked max. 3 units, stacking corners with crane eyes
- can stand **type GS**
- clip-on rotating **type RA** for rotating of 60/200 litre drums

Type	Max. no. of (drum x l)	Retention capacity in l	Dimensions in mm (l x w x h)	Load capacity in kg	Weight in kg painted/galvanized
Retention basin	FRA-1	265	1200 x 800 x 415		56 / 62
Grid	GR-FRA-1				
Drum shelf	FR-1	1 x 200	980 x 580 x 850	200	-- / 38
Retention basin	FRA-2	309	1200 x 1200 x 335		65 / 72
Grid	GR-FRA-2				
Drum shelf	FR-2	2 x 200	1380 x 580 x 850	400	-- / 45
Can shelf	FRG		1380 x 580 x 850		
Retention basin	FRA-3	309	1200 x 1200 x 335		65 / 72
Grid	GR-FRA-3				
Drum shelf	FR-3	3 x 60	1380 x 580 x 850	400	-- / 48
Can shelf	FRG		1380 x 580 x 850		



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

SHELVES FOR DRUMS AND SMALL CANS **TYPE FRE**



Horizontal storage of and filling from max. 4 x 200 litre drums, also combined with 60 litre drums and small cans

Modular design consists at choice of:

- **drum shelf type FRE/M** for 60 or 200 litres drums, galvanized, with fork sleeves (hoops), screwed construction, can be stacked max. 2 units, flat pack
- **can shelf type FRE-G/M** for small cans, galvanized, with grid and fork sleeves (hoops), can be stacked max. 2 units, flat pack
- **can stand type GS**
- **clip-on rotating support type RA** for positioning of 60 or 200 litre drums

- **retention basins** from series 2000, 1200 x 800 mm and 1200 x 1200 mm, with/without grid (please refer to page 80/81)

of course are other retention basins with dimensions 1200 x 800 mm and 1200 x 1200 mm available, p.e. spline sump (please refer to page 82)

Combination examples



SET A:
Type 2031+ FRE-2/M



SET B:
Type 2018 + FRE-1/M + FRE-G1/M



SET C:
Type 2032 + FRE-2/M + GS + FRE-G2/M



SET D:
Type 2032 + FRE-2/M - GS + FRE-3/M



Use this modular shelving system to equip your storage area to suit your needs.

Type	Max. no. (drums x l)	Dimensions in mm (l x w x h)	Transport dimensions in mm (l x w x h)	Load capacity in kg	Weight in kg galvanized	
Drum shelf	FRE-1/M	1 x 200	910 x 790 x 780	785 x 780 x 200	500	25
Can shelf	FRE-G1/M		910 x 790 x 780	785 x 780 x 200	500	35
Retention basin from series 2000			800 x 1200 x 360			
Drum shelf	FRE-2/M	2 x 200	1310 x 800 x 780	1180 x 785 x 200	500	30
Drum shelf	FRE-3/M	3 x 60	1310 x 800 x 780	1180 x 785 x 200	500	33
Can shelf	FRE-G2/M		1310 x 800 x 780	1185 x 785 x 200	500	42
Retention basin from series 2000			1200 x 1200 x 285			
Can stand	type GS					
Rotating support	type RA 60 oder RA 200					

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

DRUM SHELVES WITH RETENTION BASINS TYPE SERIES 3000



Basic shelf type 3000
+ extension shelf type 3001



Basic shelf type 3002



Basic shelf type 3004



Basic shelf type 3006



Basic shelf type 3008



Basic shelf type 3010



Type 3013



Type 3014



Type 3015



Type 3016



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

- 3012** Clip-on rotating support for 1 x 60 litre drum
- 3013** Clip-on rotating support for 1 x 200 litre drum
- 3014** Retainer bar, galvanized
- 3015** Can stand, galvanized
- 3016** Impact protection

Horizontal and vertical storage of and filling from max. 8 x 200 litre drums or max. 12 x 60 litre drums

- retention basins made of 3 mm steel sheeting
- without/with galvanized grid
- 100 mm ground leeway
- retention capacity 200 litres
- frame
- crosspieces, powder coated
- drum supports for 60 or 200 litre drums, galvanized

Type	Design	Max. no. of drums	Shelf	Retention basin	Weight in kg
			in mm (w x d x h)	in mm (w x d x h)	
3000	Basic shelf with 2 levels, retention basin without a grid	4 x 200 litre drums horizontal	1350 x 850 x 2000	1330 x 1000 x 285	152
3001	Extension shelf with 2 levels, retention basin without a grid	4 x 200 litre drums horizontal	1350 x 850 x 2000	1330 x 1000 x 285	132
3002	Basic shelf with 3 levels, retention basin without a grid	6 x 200 litre drums horizontal	1350 x 850 x 2500	1330 x 1000 x 285	181
3003	Extension shelf with 3 levels, retention basin without a grid	6 x 200 litre drums horizontal	1350 x 850 x 2500	1330 x 1000 x 285	157
3004	Basic shelf with 3 levels, retention basin without a grid	9 x 60 litre drums horizontal	1350 x 850 x 2000	1330 x 1000 x 285	193
3005	Extension shelf with 3 levels, retention basin without a grid	9 x 60 litre drums horizontal	1350 x 850 x 2000	1330 x 1000 x 285	173
3006	Basic shelf with 4 levels, retention basin without a grid	12 x 60 litre drums horizontal	1350 x 850 x 2500	1330 x 1000 x 285	236
3007	Extension shelf with 4 levels, retention basin without a grid	12 x 60 litre drums horizontal	1350 x 850 x 2500	1330 x 1000 x 285	212
3008	Basic shelf with 1 level, retention basin with a grid	2 x 200 litre drums horizontal/4 x 200 litre drums vertical	1350 x 850 x 2000	1330 x 1200 x 260	168
3009	Extension shelf with 1 level, retention basin with a grid	2 x 200 litre drums horizontal/4 x 200 litre drums vertical	1350 x 850 x 2000	1330 x 1200 x 260	148
3010	Basic shelf with 2 levels, retention basin with a grid	4 x 200 litre drums horizontal/4 x 200 litre drums vertical	1350 x 850 x 2500	1330 x 1200 x 260	201
3011	Extension shelf with 2 levels, retention basin with a grid	4 x 200 litre drumhorizontal/4 x 200 litre drums vertical	1350 x 850 x 2500	1330 x 1200 x 260	177

Finish:

retention basins hot-dip galvanized

frame galvanized

horizontal beams similar to RAL 5010

PALLET SHELVES TYPE PR

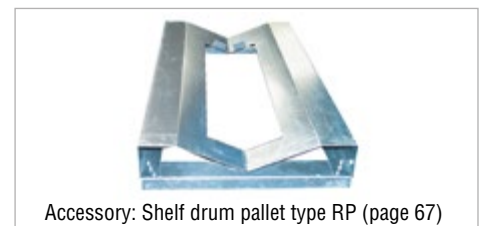
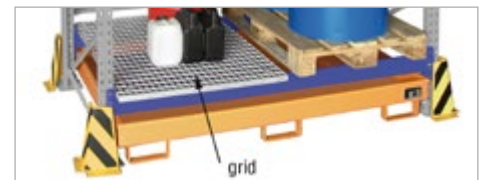


When shelf sumps are used in combination with pallet shelving, the system fulfils the legal requirements for Germany as stipulated in the “WHG” and “TRbF”

Modular design consists at choice of:

- uprights **type PR-S**, galvanized
- crosspieces **type PR-T**, synthetic powder coated, can be fitted at intervals of 50 mm
- retainer bar **type PR-D**, galvanized
- galvanized grid as floor (rests on the crosspieces), mesh size: 30 x 60 mm, with 4 brackets, load capacity 1000 kg/m²
- impact protection (required on thoroughfares and in passage ways)
- shelf sumps **type RW** (please refer to page 114) and **suspended sumps type EHW** (please refer to page 115)

Description	Type	Dimensions in mm (l x d x h)	Load capacity in kg
Uprights	PR-S 2000	T 1100 x H 2000	----
Uprights	PR-S 3000	T 1100 x H 3000	----
Uprights	PR-S 4000	T 1100 x H 4000	----
Crosspieces	PR-T 1800	L 1800	2500
Crosspieces	PR-T 2200	L 2200	2100
Crosspieces	PR-T 2700-1	L 2700	2400
Crosspieces	PR-T 2700-2	L 2700	3000
Retainer bar for crosspiece length 1800 mm	PR-D 1800	L 1800	----
Retainer bar for crosspiece length 2200 mm	PR-D 2200	L 2200	----
Retainer bar for crosspiece length 2700 mm	PR-D 2700	L 2700	----
Grid floor		865 x 1230 x 30	1000 kg/m ²
Impact protection		----	----



PR-Set No. 1 for max. 12 x 200 litre drums consists of the following components:

- 2 x uprights type PR-S 2000
- 2 x crosspieces type PR-T 2700-1
- 2 x retainer bars type PR-D 2700
- 1 x shelf sump type RW-GR 2700-1
- 2 x impact protections (accessory)



PR-Set No. 2 for max. 12 x 200 litre drums consists of the following components:

- 2 x uprights type PR-S 3000
- 4 x crosspieces type PR-T 2700-1
- 2 x retainer bars type PR-D 2700
- 1 x shelf sump type RW 2700-1
- 2 x impact protections (accessory)



PR Set No. 3 for max. 4 x 1000 litre IBC consists of the following components:

- 2 x uprights type PR-S 3000
- 4 x crosspieces type PR-T 2700-2
- 2 x retainer bars type PR-D 2700
- 1 x shelf sump type RW 2700-3
- 2 x impact protections (accessory)

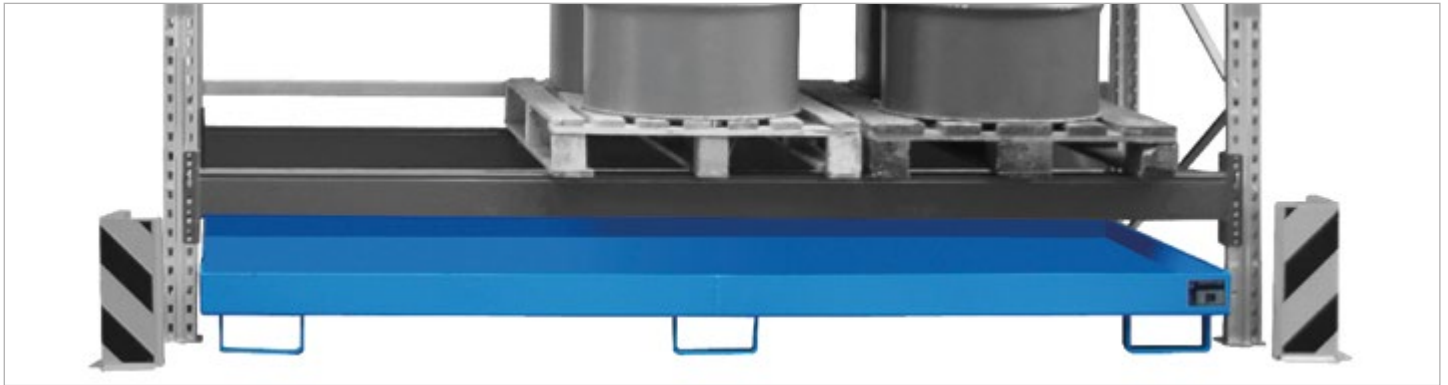
Finish:

uprights galvanized

retainer bar galvanized

crosspieces similar to RAL 5010

SHELF SUMP TYPE RW



Shelf sump type RW-2700-1



Shelf sump type RW-GR 2700-3



Shelf sump type RW-GR 2700-1



Shelf sump type RW 2200-2



Shelf sump type RW-2200-1

Shelf sumps and suspended sumps can be integrated into existing shelving systems – a cost-effective and efficient way of bringing them up to standard and ensuring they meet the legal requirement

- construction made of 3 mm steel sheeting

Types available

Type RW

- shelf sump without grid
- 100 mm ground leeway

Type RW-GR

- shelf sump with galvanized grid (load capacity 1000 kg/m²)
- 100 mm ground leeway

Individual construction on request

- for pick up with straddle stackers

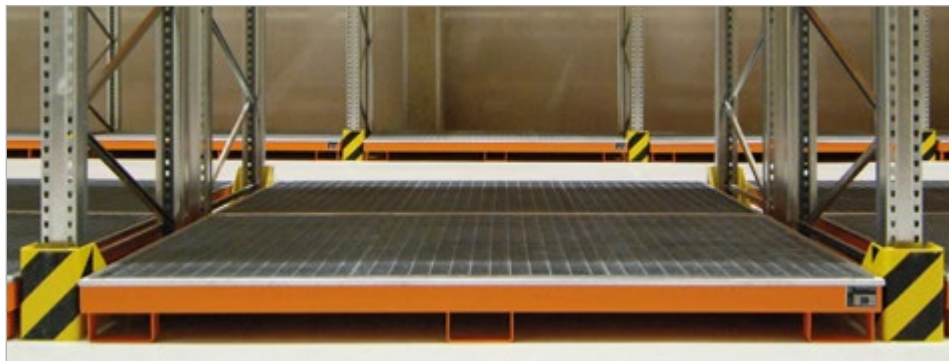


Shelf sump type RW 1800

Type without grid	Type with grid	Description for length of crosspiece in mm	Dimensions in mm (l x d x h)	Retention capacity in l	Weight painted in kg without/with grid
RW 1800	RW-GR 1800	1800	1750 x 1300 x 250	331	80/133
RW 2200-1	RW-GR 2200-1	2200	2150 x 1300 x 225	338	91/162
RW 2200-2	RW-GR 2200-2	2200	2150 x 1300 x 505	1115	136/208
RW 2700-1	RW-GR 2700-1	2700	2650 x 1300 x 206	352	106/190
RW 2700-2	RW-GR 2700-2	2700	2650 x 1300 x 300	674	123/207
RW 2700-3	RW-GR 2700-3	2700	2650 x 1300 x 435	1135	148/232
RW 3300-1	RW-GR 3300-1	3300	3250 x 1300 x 192	240	126/231
RW 3300-2	RW-GR 3300-2	3300	3250 x 1300 x 264	540	141/247
RW 3300-3	RW-GR 3300-3	3300	3250 x 1300 x 380	1000	164/272
	RW-GR 3600-3	3600	3550 x 1300 x 355	1000	----/301

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

SHELF SUMP WITH POLYETHYLENE-INLAY TYPE RW PE



Shelf sump type RW-GR 2700-1 PE



Shelf sump type RW 2700-3 PE

For the storage of aggressive liquids. Shelf sumps can be integrated into existing shelving systems – a cost-effective and efficient way of bringing them up to standard and ensuring they meet the legal requirement

- construction made of 3 mm steel sheeting
- polyethylene inlay
- galvanized fixing frame

Types available

Type RW PE

- shelf sump without grid
- 100 mm ground leeway

Type RW-GR PE

- shelf sump with galvanized grid (load capacity 1000 kg/m²)
- 100 mm ground leeway

Type without grid	Type with grid	Description for length of crosspiece in mm	Dimensions in mm (l x d x h)	Retention capacity in l	Weight painted in kg without/with grid
RW 1800 PE	RW-GR 1800 PE	1800	1762 x 1312 x 253	298	102/159
RW 2200-1 PE	RW-GR 2200-1 PE	2200	2162 x 1312 x 228	301	116/177
RW 2200-2 PE	RW-GR 2200-2 PE	2200	2162 x 1312 x 508	1063	167/228
RW 2700-1 PE	RW-GR 2700-1 PE	2700	2662 x 1312 x 209	309	134/217
RW 2700-2 PE	RW-GR 2700-2 PE	2700	2662 x 1312 x 302	623	154/238
RW 2700-3 PE	RW-GR 2700-3 PE	2700	2662 x 1312 x 438	1077	181/266
RW 3300-1 PE	RW-GR 3300-1 PE	3300	3262 x 1312 x 195	320	159/272
RW 3300-2 PE	RW-GR 3300-2 PE	3300	3262 x 1312 x 267	617	177/289
RW 3300-3 PE	RW-GR 3300-3 PE	3300	3262 x 1312 x 383	1298	202/315

Individual construction on request

- for pick up with straddle stackers

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

SUSPENDED SUMPS TYPE EHW



Suspended sump type EHW 1800

Type	Description for length of crosspiece in mm	Dimensions in mm (l x d x h)	Retention capacity in l	Weight painted in kg
EHW 1800	1800	1750 x 1250/915 x 160	259	114
EHW 2200	2200	2150 x 1250/915 x 140	288	129
EHW 2700	2700	2650 x 1250/915 x 130	322	159
EHW 3300	3300	3250 x 1250/915 x 110	342	186
EHW 3600	3600	3550 x 1250/915 x 115	389	204

Suspended sumps can be integrated into existing shelving systems – a cost-effective and efficient way of bringing them up to standard and ensuring they meet the legal requirement

- construction made of 3 mm steel sheeting
- galvanized grid (load capacity 1000 kg/m²)



Suspended sump type EHW 2700

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

GAS CYLINDER CONTAINER TYPE GFC-M



Type GFC-M

Outdoor storage of gas cylinders according to "TRGS 510"

- sturdy frame structure
- hinged door that can be locked
- prepared for anchorage to the ground
- flat pack with assembly instructions

Types available

Type GFC-M

- without roof

Type GFC-M-DF

- without roof
- hinged double door that can be locked, particularly useful for handling using a gas cylinder pallet

Type GFC-M/D

- with roof

Type GFC-M/D-DF

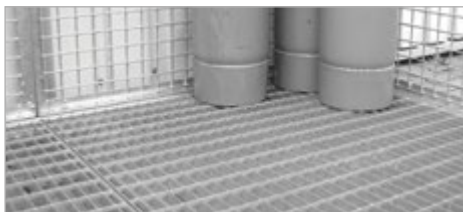
- with roof
- double hinged door that can be locked, particularly useful for handling using a gas cylinder pallet



Type GFC-M/D-DF

Accessories

- fixture for the safe storage of gas cylinders Ø 220 mm in an upright position, with safety chain
- galvanized grid floor, particularly useful on uneven ground
- galvanized rack type GFG for the compact storage of gas cylinders up to 11 kg, can be stacked (2 units)



Galvanized grid floor



Fixture

Size	Dimensions in mm (l x w x h) without/with roof	Max. no. of (gas cylinder Ø 220 mm)	Weight in kg	
			type: GFC -M / -M/D / -M-DF / -M/D-DF	
GFC-M0	1085 x 1085 x ---- / 2060	16	---	124 / --- / ---
GFC-M1	2100 x 1085 x 2060 / 2180	32	179 / 201	179 / 201
GFC-M2	2100 x 1500 x 2060 / 2180	48	194 / 222	194 / 222
GFC-M3	2400 x 1500 x 2060 / 2180	60	217 / 254	213 / 250
GFC-M4	3100 x 1500 x 2060 / 2180	78	242 / 285	247 / 290
GFC-M5	3100 x 2100 x 2060 / 2180	104	282 / 344	287 / 349

GFG	1300 x 1000 x 850	37
-----	-------------------	----



2x type GFG, stacked

Finish: hot-dip galvanized

GAS CYLINDER CONTAINER TYPE GFC-E



Type GFC-E/T

Outdoor storage of gas cylinders according to "TRGS 510"

- sturdy frame structure with roof and floor
- hinged door that can be locked
- suitable for pick-up by forklift truck
- fully assembled

Types available

Type GFC-E/T

- with stud plate floor (Tragfähigkeit 1000 kg/m²)

Type GFC-E/G

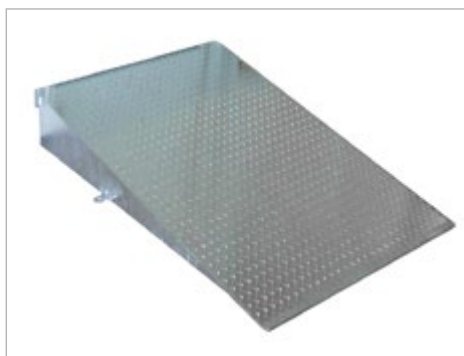
- with grid floor (load capacity 1000 kg/m²)



Type GFC-E/G (with dividing wall)

Accessories

- fixture for the safe storage of gas cylinders Ø 220 mm in an upright position, with safety chain
- galvanized rack type GFG for the compact storage of gas cylinders up to 11 kg, can be stacked (2 units), in kit form
- access ramps
- dividing wall



Access ramp



Fixture



Type GFC-E/G (with dividing wall)

Type	Dimensions in mm (l x w x h)	Max. no. of (gas cylinder Ø 220 mm)	Weight in kg	
			Type: GFC-E/T	GFC-E/G
GFC-E M0	1085 x 1090 x 2115	16	210	194
GFC-E M1	2115 x 1155 x 2260	32	365	336
GFC-E M2	2115 x 1570 x 2260	45	432	393
GFC-E M3	2535 x 1575 x 2260	60	484	438
GFC-E M4	3135 x 1570 x 2260	78	583	518
GFC-E M5	3135 x 2170 x 2260	104	777	688

Finish: **hot-dip galvanized**

GAS CYLINDER CONTAINER TYPE GFC-B



Outdoor storage of gas cylinders according to "TRGS 510"

- sturdy frame structure with roof and floor
- fire-resistant walls and roof for 90 minutes, according to "DIN 4102"
- hinged door that can be locked made of wire mesh
- stud plate floor
- prepared for anchorage to the ground
- fully assembled

Accessories

- fixture for the safe storage of gas cylinders Ø 220 mm in an upright position, with safety chain
- galvanized rack type GFG for the compact storage of gas cylinders up to 11 kg, can be stacked (2 units), in kit form
- fire-resistant dividing wall for 90 minutes



Type	Dimensions (approx.) in mm (l x w x h)	Max. no of (gas cylinder Ø 220 mm)	Weight (approx.) in kg
GFC-B M0	1100 x 1060 x 2200	9	325
GFC-B M1	2120 x 1130 x 2200	28	545
GFC-B M2	2120 x 1540 x 2200	35	640
GFC-B M3	2520 x 1540 x 2200	45	760
GFC-B M4	3120 x 1540 x 2200	60	835
GFC-B M5	3120 x 2140 x 2200	96	1150

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

RAL 9002

GAS CYLINDER CONTAINER TYPE GFC



Type GFC + Typ AR

Type	Dimensions in mm (l x w x h)	Max. no. of (gas cylinder Ø 250 mm)
GFC	3050 x 1300 x 2250	48 single cylinders or 2 pallets with 12 cylinders or 1 pallet with 12 cylinders + 24 single cylinders

Outdoor storage of gas cylinders according to "TRGS 510"

- sturdy frame structure
- roof and rear wall made of steel sheeting
- hinged doors that can be locked
- doors and side walls made of wire mesh
- galvanized grid floor
- foot plates for anchorage to the ground
- fixture with safety chain

Accessory

- access ramp type AR

Individual construction on request

GAS CYLINDER DEPOTS TYPE GFD



Type GFD-L 2

Type GFD-R 4

Type GFD-G 1

Outdoor and indoor storage of gas cylinders according to "TRGS 510"

- with rear wall, floor and intermediate level
- flat pack - easy to assemble

Types available

Type GFD-G

- galvanized steel sheeting
- closed construction
- with lock and triangular key

Type GFD-L

- galvanized steel sheeting
- natural air circulation, i.e. with punched holes in the door and side walls
- with lock and triangular key

Type GFD-R

- particularly useful when gas is needed in different places
- with 2 handle bars and 2 wheels
- door and walls made of wire mesh
- door can be locked using a padlock (not part of the scope of supply)

Type	Dimensions in mm (l x w x h)	No. of doors / design	Max. no. of (11 kg gas cylinders)	Weight in kg painted / galvanized
GFD-G 1	840 x 690 x 1475	1 / closed	10	-- / 91
GFD-G 2	1680 x 690 x 1475	2 / closed	20	-- / 182
GFD-L 1	840 x 690 x 1475	1 / punched holes	10	-- / 75
GFD-L 2	1680 x 690 x 1475	2 / punched holes	20	-- / 150
GFD-R 2	520 x 500 x 1580	1 / wire mesh	2	48 / 52
GFD-R 4	860 x 500 x 1580	1 / wire mesh	4	62 / 66

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

galvanized

PROTECTIVE CONTAINER ZERO-BOX®



Reduces the risk of internal or external fire when hazardous materials such as dirty cleaning rags are stored in plastic containers; fitted with a pressure release feature

- in accordance with laws and regulations on avoiding and/or dealing with such hazards e.g.
 - ▶ act laying down industrial health and safety standards
 - ▶ act covering place of work
 - ▶ act covering safety aspects at the place of work
 - ▶ chemical law
 - ▶ act covering hazardous materials
- sturdy construction made of steel sheeting
- door closes automatically
- throw-in lid closes automatically
- inclusive warning stickers and/or marking
- powder coated **RAL 3000**

... in the case of an accident involving plastic containers used in conjunction with hazardous materials, the person responsible is fully liable according to both criminal and civil law.

Type	Dimensions in mm (w x d x h)	Doorway in mm (w x h)	Diameter of throw-in in mm	Weight in kg
Z 500	530 x 585 x 1000	440 x 670	200	75
Z 750	780 x 850 x 1500	690 x 970	300	163

DRUM CONTAINER TYPE FC



Type FC-I with drum traverse type FT/M



Type FC-II

Storage of 200 litre steel bung hole drums and 220 litre plastic L-ring drums for indoor and outdoor use

- 100% retention volume
- crane eyes
- suitable for pick-up by pallet truck or forklift truck
- lockable

Types available

Type FC-I

- with lid
- can be stacked (3 units)

Type FC-II

- with glass fibre hood (red)

Accessory

- drum traverse type FT/M (please refer to page 69)

Type	Dimensions in mm (l x w x h)	Inner dimensions in mm	Load capacity in kg	Retention capacity in l	Can be stacked	Weight painted in kg
FC-I	680 x 680 x 1170	Ø 620 / H 980	400	295	3-fach	84
FC-II	680 x 680 x 1480	Ø 620 / H 980	400	295		85

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

GREEN-LINE SAFETY CABINET TYPE SIW



Type SIW 2005

Type	Dimensions in mm (w x d x h)	Retention capacity in l	Weight in kg
SIW 1005	1000 x 500 x 900	2 x 20	85
SIW 2005	1000 x 500 x 1800	4 x 20	151

For safe storage of small cans

- sturdy steel construction
- reinforced hinged doors with 3-basquil bolt lock and safety lock
- GS mark
- outer/inner shell powder coated
 - RAL 7035**
- doors powder coated
 - RAL 5010**
- movable shelf sumps, galvanized, 70 mm high, can be fitted at 30 mm intervals



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

GREEN-LINE SAFETY CABINET TYPE FWF 90



Storage of flammable hazardous materials in work rooms according to "DIN EN 14470-1"

- fire-resistant for 90 minutes
- outer shell made of steel sheeting
- inner shell made of high grade furnishing panels
- door stop with thermal surveillance system; doors close automatically in the case of a fire
- aeration/deaeration on every level
- integrated retention basin at ground level
- 3 shelves that can be fitted at various heights
- adjustable feet (for alignment and levelling)
- GS / CE mark
- fireproof testing carried out by an autonomous institute
- outer/inner shell powder coated
 - RAL 7035**
- doors at choice powder coated or
 - RAL 1018**
 - RAL 7035**

Type	Dimensions in mm (w x d x h)	Retention capacity in l	Weight in kg
FWF 90/12	1195 x 595 x 2080	48	469

SHELF CONTAINER TYPE CEN



Type CEN 29

Safe storage of flammable materials and materials that pose a threat to the environment – in compliance with the relevant legislation

- sturdy steel frame construction with a retention basin and galvanized grid
- retention basin: material strength 5 mm
- 100 mm ground leeway
- natural ventilation
- with double hinged doors or sliding doors
- 2 storage levels
- prepared for anchorage to the ground
- with crane eyes to facilitate loading/unloading and transport
- earthing / potential equalisation




Type CEN 59

Accessories

- guide plates for the sliding doors
- mechanical or electrically operated sliding door
- heavy-duty curtain (tarpaulin)
- doors with magnetic holders
- lighting (also for explosion-proof systems available)
- fire extinguishing systems as specified
- drum supports type FA, galvanized (please refer to page 107)
- can shelves type GR, galvanized (please refer to page 107)



Type CEN 65



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

Type	Max. no. of (200 litre drum)	Max. no. of (1000 litre IBC)	Outside dimensions (approx.) in mm (w x d x h)	Inside dimensions (approx.) in mm (w x d x h)	Retention capacity in l	Type of door
CEN 29	16	-	3175 x 1500 x 2980	2970 x 1270 x (2 x 1250)	484	double hinged door
CEN 29-1000	-	4	3175 x 1500 x 3465	2970 x 1270 x (2 x 1400)	1187	double hinged door
CEN 33-1000 N	-	6	3510 x 1500 x 3485	3300 x 1270 x (2 x 1400)	1170	double hinged door
CEN 59	32	-	6245 x 1550 x 2980	(2 x 2920) x 1270 x (2 x 1250)	968	sliding door
CEN 59-1000	-	8	6245 x 1550 x 3465	(2 x 2920) x 1270 x (2 x 1400)	1187	sliding door
CEN 65-1200	-	12	7100 x 1550 x 3395	(2 x 3250) x 1270 x (2 x 1400)	1600	sliding door

Finish:	RAL 2000	RAL 3000	RAL 5012	RAL 6011	RAL 7005	RAL 9002
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SHELF CONTAINERS – EXAMPLES OF INDIVIDUAL CONSTRUCTIONS



HAZARDOUS MATERIALS STORAGE FACILITIES



Safe storage of materials that pose a threat to the environment (e.g. flammable or poisonous materials, oxidising agents, acids, alkalis etc.) – in compliance with the relevant legislation

- mobile, can be extended
- covered area for loading and unloading
- insulated to protect from frost
- Mit Brandabschnitten
- with fire compartments
- roofing with profiled sheeting, translucent light sheets etc.
- wide range of equipment available for retaining fire-fighting water
- storage areas for troughs
- various retention basins available:
 - ▶ steel / stainless steel
 - ▶ PE inlays
 - ▶ coatings
- steel or concrete construction depending on the conditions on site and monies available

Accessories

- gangways with sealed floor
- integrated doors close the gangways
- heating / air conditioning
- lighting for gangways (explosion proof systems available)
- fire extinguishing systems according to the given specification / fire warning systems
- emergency shower / emergency cabinet
- fire-fighting water barriers
- gas detector
- other safety equipment according to the given specification
- earthing / potential equalisation

Our standard is made to measure



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

HAZARDOUS MATERIALS STORAGE FACILITIES



Painted finish according to your choice from the RAL colour code chart

DEPOT CONTAINERS TYPE CEH / CRH



Insulated container for indoors or outdoors - storage space or a work place for decanting/siphoning

- natural or technical ventilation
- hinged or sliding doors
- hinged doors with emergency panic locks
- mobile
- various types of insulation available
- accessible for pedestrians or vehicles
- retention basin: material strength 5 mm
- retention capacity compliant with the relevant legal requirements
- galvanized grids

Accessories

- heating / air conditioning
- shelving systems / pallet shelves
- explosion-proof aerator for suction directly from the retention basin
- extraction systems for work place
- emergency shower / emergency cabinet
- gas detector
- earthing / potential equalisation
- windows



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4



HEATING CHAMBER TYPE WK







For heating up products to be used in manufacturing, storage of temperature-sensitive components.

- constant storage temperature
- for indoor and outdoor use
- each design is individually designed for optimal use taking into account a high energy efficiency

Accessories

- electrical, steam or hot water heating
- temperature sensors for materials
- lighting
- ventilation
- inspection window
- for use in potentially explosive atmospheres ("ex" zones)



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4



Painted finish according to your choice from the RAL colour code chart

FIREPROOF CONTAINER TYPE MCB



Type MCB/1



Type MCB/2

Safe storage and handling of flammable or poisonous materials for indoor and outdoor use in compliance with the relevant legislation

- fire-resistant from inside and outside for 90 minutes
- sturdy steel frame construction with a retention basin and grid
- retention basin: material strength 5 mm
- 100 mm ground leeway
- F90 vents for ventilation
- mechanical, self-closing T90 hinged door
- potential equalisation



Type MCB/4



Type MCB/IBC







Type MCB/2xIBC

- prepared for anchorage to the ground
- pipe nozzle for extraction fan (the latter provided by the customer, fitted on location)

Accessories (please refer to page 130)

Type	Dimensions in mm (w x d x h)	Max. no. of (200 litre drum/1000 litre IBC)	Retention capacity in l	Load capacity in kN/m ²	Weight in kg
MCB/1	1060 x 840 x 2390	1 / -	212	10	700
MCB/2	1500 x 1260 x 2190	2 / -	237	10	1100
MCB/4	1500 x 1660 x 2150	4 / -	251	10	1350
MCB/IBC	1490 x 1660 x 2690	- / 1	1040	10	1500
MCB/2xIBC	3060 x 1650 x 2390	- / 2	1100	10	2800



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

FIREPROOF CONTAINER TYPE CB



Type CB 200



Type CB 500







Type CB 1000

Safe storage and handling of flammable or poisonous materials for indoor and outdoor use

- fire-resistant from inside and outside for 90 minutes
- sturdy steel frame construction with a retention basin and grid
- retention basin: material strength 5 mm
- 100 mm ground leeway
- self-closing vents
- mechanical, self-closing T90 hinged door
- with crane eyes to facilitate loading/unloading and transport
- prepared for anchorage to the ground
- potential equalisation
- explosion-proof ventilator

Accessories

(please refer to page 107 and 130)

- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

Type	Max. no. of (200 litre drum/1000 litre IBC)	Storage level	Retention capacity in l	Inside dimensions in mm (w x d x h)	Outside transport dimen- sions in mm (w x d x h)	Weight approx in kg
CB 200	6 / -	1	250	1900 x 1350 x 1700	2900 x 1850 x 2220	1500
CB 500	12 / 4	2, adjustable	1060	2700 x 1250 x (2x1400)	3900 x 1850 x 3650	3800
CB 1000	24 / 8	2, adjustable	2080	(2x2700) x 1250 x (2x1400)	7100 x 1850 x 3680	6000

Containers in other sizes or RAL colours and project planning are available on request. Please ask - we are glad to be of assistance.

Finish:

RAL 2000

RAL 3000

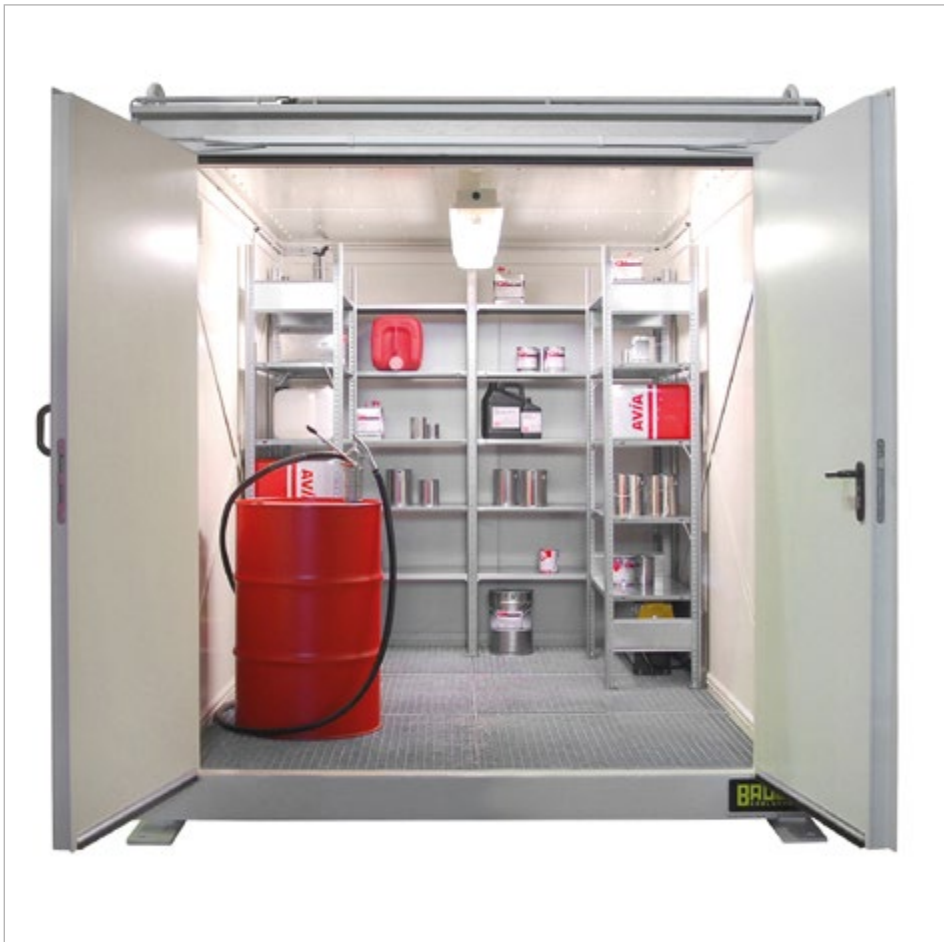
RAL 5012

RAL 6011

RAL 7005

RAL 9002

DEPOT FIREPROOF CONTAINER TYPE RCB



Type RCB with can shelves and lightning

Type	Retention capacity in l	Inside dimensions in mm (w x d x h)	Outside transport dimensions in mm (w x d x h)	Weight approx. in kg
RCB 300	1040	2050 x 2980 x 1990	2590 x 3750 x 2500	4000
RCB 600	1720	2050 x 6180 x 1990	2590 x 6950 x 2500	6400

Insulated container for indoors or outdoors – storage space or a work place for decanting/siphoning. For flammable, oxidising or poisonous materials

- fire-resistant from inside and outside for 90 minutes
- sturdy steel frame construction with a retention basin and grid
- retention basin: material strength 5 mm
- self-closing T90 hinged door with emergency panic lock
- with crane eyes to facilitate loading/unloading and transport
- prepared for anchorage to the ground
- potential equalisation

Accessories

(please refer to page 107, 108 and 130)

- access ramp made of nonskid steel sheet
- explosion-proof ventilator
- doors are held open by magnetic locking devices
- siren/lamp, lightning
- shelves for small cans
- drum supports type FA, galvanized



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

ACCESSORIES FOR FIREPROOF CONTAINERS



switch cabinet with control keys



Magnetic locking



Smoke detector



Flashlight



Connection for foam extinguishing system



Extinguishing nozzle



Air vents with fire protection



Ex-Ventilator



Shelves for small cans

- doors fitted with magnetic locking devices and automatic door locking systems activated by gas detectors
- switch cabinet with control keys
- a variety of inlays for retention basins
- fireproof vents
- fire alarms, fire extinguishing systems and nozzles
- connection for foam fire extinguishing systems
- explosion-proof ventilators and smoke detectors
- explosion-proof heating/air conditioning
- explosion-proof lighting systems, switches and sockets
- shelves for small cans, shelving systems
- visual and acoustic alarms
- gas detector
- extraction systems for work place

FIREPROOF CONTAINERS – INDIVIDUAL CONSTRUCTIONS



COLLECTION POINTS ACCORDING TO "TRGS 520"



Collection of hazardous materials from households in keeping with the relevant German legislation "TRGS 520"

- mobile or stationary units
- size of reception area and work place can be varied
- can be extended infinitely
- equipped according to the given requirement
- insulated reception area; workspace not insulated
- exterior fireproof walls (90 minutes) where safety clearance is not given
- retention capacity according to the relevant legal requirement and stipulations for the particular location



Complete solutions from one source

- cost-effective planning
- negotiations with authorities/approvals
- supply and assembly



- certified manufacturer EN ISO 9001
- manufacturing processes under TÜV surveillance
- every unit tested for leakage
- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

COLLECTION POINTS ACCORDING TO "TRGS 520"



Engineering room with ventilator, switch cabinet and emergency generator



Laboratory-/analysis cabinet with extraction system and lightning



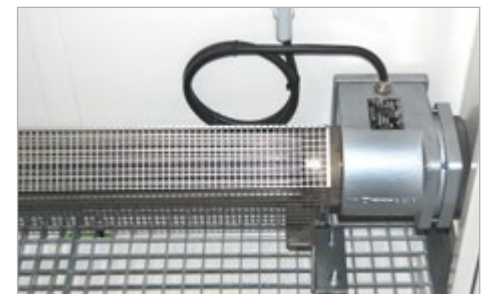
Emergency shower with 250 litre tank and explosion proof lightning

Accessories

- office integrated into workspace
- window(s) with shutters
- mobile reception desk
- extraction systems for work place
- emergency eye wash and shower equipment
- shelving systems
- pallet shelves
- explosion-proof heating
- explosion-proof air conditioning
- explosion-proof electrical parts inclusive lighting, switches, sockets, etc.
- emergency cabinet
- wash basin
- safety cabinet
- reception area covered by a roof



Explosion-proof ventilator



Explosion-proof electric heating

Painted finish according to your choice from the RAL colour code chart

MINI-CONTAINER-SYSTEM TYP MCS

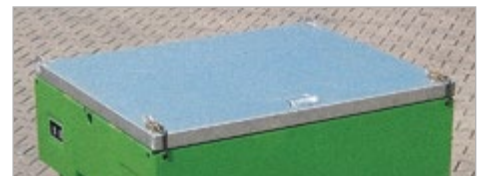


For separated collection of materials to be recycled or waste products

- conical construction with reinforced edging
- integrated pick-up for use with a gripping unit
- let-in crane eyes
- saves space
- can be stacked in one another
- light weight
- controlled emptying using the hydraulic gripping unit type MCG

Accessories

- fork sleeves for pick-up by forklift truck
- aluminium snap-on cover, lockable (NOT stackable)
- gripping unit type MCG, hydraulic, tipping angle 150°
- trolley with 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with with brake – construction height 220 mm



Type MC with aluminium snap-on cover



Type MC with trolley



Let-in crane eyes



Type MC 1000 with fork sleeves (hoops)



Type MC 1000 with Type MCG



Type MC 1000 with fork sleeves (hoops)

Type	Volume approx. in m ³	Dimensions in mm (l x w x h)	Load capacity in kg	Weight painted in kg
MC 500	0,5	1000 x 1200 x 500	2000	106
MC 1000	1,0	1000 x 1200 x 1045	2000	138
MCG		300 x 1536 x 1300	2000	240

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

HAZARDOUS MATERIALS CONTAINERS



Special waste containers for solids and paste-like substances **137-138, 140**



Special waste containers for aerosol cans **139**



Special waste containers for solids, paste-like substances and hazardous liquids **140-141**



Special waste containers for hazardous liquids **142-147**



Supply and disposal containers for hazardous liquids **148-153**



Supply containers for heating oil **149**



Mobile filling stations **150-153**



Used battery containers **154**



Fluorescent tube boxes **156**

CARRIAGE OF HAZARDOUS GOODS



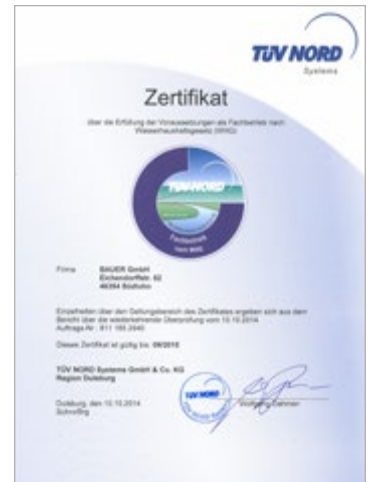
Among others, the following laws, regulations and guidelines must be observed when transporting materials that pose a threat to the environment.

"ADR" European agreement concerning the international carriage of hazardous goods by road

"RID" European agreement concerning the international carriage of hazardous goods by rail

"IMDG-Code" International Maritime Dangerous Goods Code

"GGVSEB" German decree concerning national carriage of hazardous goods by road, rail and maritime carriage



Construction Code	Packing Group	Endangerment grade
X	I	extremely dangerous
Y	II	dangerous
Z	III	slightly dangerous



IBC Intermediate Bulk Container

DIBt German Institute for Technical Construction



SPECIAL WASTE CONTAINER TYPE SAP-1



For the international transport of solids and paste-like substances according to the ADR/RID/IMDG codes, packing groups I, II and III

- IBC according to standard "DIN 30741-1"
- construction made of 2 mm steel sheeting, lid and basis frame made of 2.5 mm steel sheeting
- reinforced edging
- through fork sleeves
- sturdy stacking corners with crane eyes
- suitable for pick-up by pallet-, forklift truck or crane
- lid: spring-assisted and with a seal
- 2 lid fasteners, lockable
- automatic lid lock in 270° position
- lid support in 70° position
- max. density 1.5 kg/l
- finish hot-dip galvanized or with additional painted finish (outside only)



Type SAP 800-1 with dual code (accessory)

Accessories (please refer to page 138)

- PE foil bag (100 bags/roll)
- PE inlay
- embossed company name
- dual code



Type SAP 800-3 with 2 lid closures, one lockable

§ UN-APPROVALS

11A/X/D/BAUER/6007

4A/X/D/6917-BAUER

Type	Volume in l	Dimensions in mm (l x w x h)	Can be stacked	Total permitted weight in kg	Weight in kg
SAP 450-1	450	1200 x 1000 x 835	3 units	825	150
SAP 600-1	640	1200 x 1000 x 1053	3 units	1124	164
SAP 800-1	800	1200 x 1000 x 1235	3 units	1375	175
SAP 800-3	800	1200 x 1000 x 1235	3 units	1375	175

Finish: hot-dip galvanized

SPECIAL WASTE CONTAINER TYPE SAP



Type SAP 800 with dual code (accessory)

For the international transport of solids and paste-like substances according to the ADR/RID/IMDG codes, packing groups I, II and III

- IBC according to standard "DIN 30741-1"
- construction made of 3 mm steel sheeting, lid and basis frame made of 2.5 mm steel sheeting
- reinforced edging
- through fork sleeves
- sturdy stacking corners with crane eyes
- suitable for pick-up by pallet-, forklift truck or crane
- 4 lid fasteners, lockable
- lid: spring-assisted and with a seal
- automatic lid lock in 270° position
- lid support in 70° position
- max. density 1.5 kg/l
- finish hot-dip galvanized or with additional painted finish (outside only)

Accessories

- PE foil bag (100 bags/roll)
- PE inlay
- embossed company name
- dual code

Individual construction on request

- e.g. stainless steel



Type SAP 800 with PE inlay (accessory)



Roll PE foil bags (accessory)

§ UN-APPROVALS

- Ⓢ 11A/X/D/0410-BAUER
- Ⓢ 4A/X/D/10012-BAUER

Type	Volume in l	Dimensions in mm (l x w x h)	Can be stacked	Total permitted weight in kg	Weight in kg
SAP 450	450	1200 x 1000 x 835	3 units	838	185
SAP 600	640	1200 x 1000 x 1053	3 units	1175	200
SAP 800	800	1200 x 1000 x 1235	3 units	1430	215

Finish: hot-dip galvanized

SPECIAL WASTE CONTAINER TYPE SAS



Type SAS

Type	Volume in m ³	Dimensions in mm (l x w x h)	Can be stacked	Total permitted weight in kg	Weight in kg
SAS 800	0,8	1200 x 1000 x 1235	3-fach	678	178

For the international transport of waste aerosols according to the ADR/RID/IMDG codes, packing groups II and III

- steel construction according to standard DIN "30741-1"
- ventilation louvres all round the container to protect from splashwater
- water-tight up to 100 mm, measured from the floor of the container
- reinforced edging
- through fork sleeves
- sturdy stacking corners with crane eyes
- suitable for pick-up by pallet-, forklift truck or crane
- lid fastener, lockable
- lid: spring-assisted and with a seal
- automatic lid lock in 270° position
- lid support in 70° position

§ UN-APPROVAL

50A/Y/D/12806-BAUER

TRANSPORT BOX FOR AEROSOL CANS TYPE STB 1000



Type STB 1000



Can be stacked (3 units)

For the international transport of aerosols according to the ADR/RID/IMDG codes, packing groups II and III

- sturdy steel construction following DIN standard 30741, part 1 with integrated retention basin, welded liquid-tight; wire mesh side walls (20x20) set inside
- galvanized lid, can be opened from both sides, with 2 lid fasteners
- lid lock in 270° position
- through fork sleeves
- suitable for pick-up by pallet- and forklift truck
- fold-out hazardous goods plate on two opposite sides
- absorbent felt is clamped to the floor using a special fixture and can easily be changed using the lever



Fold-out hazardous goods plate



lid lock



PE foil bag



Absorbent felt

Accessories

- PE foil bag (needed), air permeable
- absorbent felt

Type	Volume in l	Dimensions in mm (l x w x h)	Can be stacked	Extra load in kg	Total permitted weight in kg	Weight in kg
STB 1000	1000	1200 x 1000 x 1222	3 units	4000	732	180

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50A/Y/D/12019-BAUER/3000/732

Finish: **hot-dip galvanized**

SPECIAL WASTE CONTAINER TYPE SP



For the international transport of hazardous solids and paste-like substances according to the ADR/RID/IMDG codes, packing groups II and III

- construction made of 2 mm steel sheeting
- frame, suitable for pick-up by pallet or forklift truck
- frame with stacking corners at the top and crane eyes
- removable lid with seal and fastenings, can be locked

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1A2/Y/D/8821+22-BAUER

Type	Volume in l	Dimensions in mm (l x w x h)	Can be stacked	Total permitted weight in kg	Weight in kg
SP 100	100	550 x 550 x 745	4 units	185	33
SP 240	240	730 x 730 x 965	3 units	370	79

HAZARDOUS MATERIALS CONTAINER TYPE SF



For the international transport of hazardous liquids according to the ADR/RID/IMDG codes, packing groups II and III

- frame, suitable for pick-up by pallet or forklift truck
- frame with stacking corners at the top and crane eyes
- manhole cover
- mark of Compliance ("Ü"), buildings Standards List A, "DIBt"

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1A2/Y/D/8832-BAUER

Type	Volume in l	Dimensions in mm (l x w x h)	Filling inlet Ø in mm	Can be stacked	Weight in kg
SF 240	240	730 x 730 x 965	400	3 units	80

Finish: hot-dip galvanized

SPECIAL WASTE CONTAINER TYPE ASF/P 100-2



Type ASF/P 100-2



Funnel with filling pipe



Sieve



Lid seal

For the international transport of hazardous liquids, solids or paste-like substances according to the ADR/RID/IMDG codes, packing groups I, II and III. Collection and storage of flammable liquids with a flashpoint >55°C

- steel construction following DIN standard 30742
- cylindrical construction
- fork sleeves (hoops)
- sturdy stacking corners with crane eyes
- suitable for pick-up by forklift truck and crane
- safety manhole cover (DN 396) with 6 butterfly bolts and a seal
- automatic lid lock in 180° position
- the entire width is used for filling and emptying
- max. density 2.0 kg/l

Accessories

funnel with filling pipe and sieve (can be used as a collecting container according to the German regulation „TRbF 20“ for flammable liquids of the GHS-categories 1-3)

Type	Volume in l	Dimensions in mm (l x w x h)	Extra load in kg	Total permitted weight in kg	Weight in kg
ASF/P 100-2	88	540 x 440 x 922	800	231	52

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- 1A2/X1.7/250/D/8724-BAUER
- 1A2/X*/S/D/8723-BAUER

HAZARDOUS MATERIALS CONTAINERS TYPE SC



For international transport of hazardous liquids, solids or paste-like substances according to the ADR/RID/IMDG codes, packing groups I, II and III

- cylindrical construction with square frame for stacking, low filling height, easy to clean
- filling inlet Ø 610 mm
- lockable manhole cover with 8 butterfly bolts, can be held in 90° position
- suitable for pick-up by pallet-, forklift truck or crane
- transport dimensions (800x800 mm)
- Mark of Compliance (“Ü”) Buildings Standards List A, “DIBt”

Accessory

- funnel with stainless steel sieve

Type	Volume in l	Dimensions in mm (l x w x h)	Can be stacked	Filling height in mm	Total permitted weight in kg	Weight in kg
SC 240	240	800 x 800 x 1093	3 units	938	534	134
SC 285	285	800 x 800 x 1248	3 units	1093	542	142

UN-APPROVAL

- 1A2/X/D/10089-92-BAUER

Finish: hot-dip galvanized

COLLECTING CONTAINER FOR WASTE OIL TYPE ASO-D 800



Type ASO-D 800

Collection, storage and disposal of waste oil and flammable liquids with a flashpoint > 55° C

- double-walled container/basin combination; steel outer protects contents (no risk of damage by passing fork lifts etc.) retention basin volume 100%; dipstick to register any leakage
- synthetic lid can be locked in position; unit lockable using a latch (accessory not part of the standard scope of supply)
- inner container with a 40 litre filling tray covering the entire surface area; helps reduce the risk of dirtying and facilitates filling i.e. emptying small receptacles
- level indicator
- dipstick to control the fill level
- 1 ½" aeration valve
- 2" tank truck coupling including immersion pipe for emptying by suction
- indoors and outdoors

Accessories

- air pipe
- fixture for lock



Filling tray and 2" tank truck coupling



Level indicator / overfill safety feature



Type ASO-D 800 with air pipe



Aeration valve



Dipstick to control the fill level



Synthetic lid locks in position and can be locked using the latch

Type	Volume in l	Dimensions in mm (l x w x h)	Total permitted weight in kg	Weight in kg
ASO-D 800	800	1200 x 1220 x 1070	1000	194

Finish: hot-dip galvanized

SPECIAL WASTE CONTAINER TYPE SAF



Type SAF 1000

For the international transport of hazardous liquids according to the ADR/RID/IMDG codes, packing groups II and III

- according to standard "DIN 30741-2"
- sturdy construction made of 3 mm steel sheeting
- filling inlet Ø 457 mm with lockable manhole cover
- centralized manhole cover or off centre, cambered manhole cover
- pressure relief valve 3/4", 0.5 bar
- 2" coupling with plug
- suitable for pick-up by pallet-, forklift truck or crane
- max. density 1.5 kg/l
- mark of Compliance ("Ü"), buildings Standards List A, "DIBt"

Accessories

- funnel with stainless steel sieve
- embossed company name
- wing nut wrench

Individual constructions on request

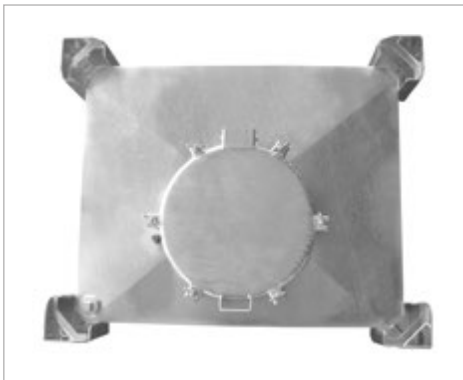
- e.g. stainless steel



Centralized manhole cover



Type SAF 450



Off centre manhole cover



Funnel with stainless steel sieve (accessory)



Wing nut wrench (accessory)



Type SAF with retention basin Type AW 1000 (please refer to page 87)

Type	Volume in l	Dimensions in mm (l x w x h)	Can be stacked	zul. Gesamtgewicht (kg)	Gewicht (kg)
SAF 450	450	1200 x 1000 x 820	3 units	848	173
SAF 600	600	1200 x 1000 x 978	3 units	1092	192
SAF 1000	1000	1200 x 1000 x 1400	3 units	1759	233

Finish: hot-dip galvanized

UN-APPROVALS

31A/Y/D/0151-BAUER

31A/Y/D/7338-BAUER

DUO CONTAINER TYPE DC



Type DC 1000

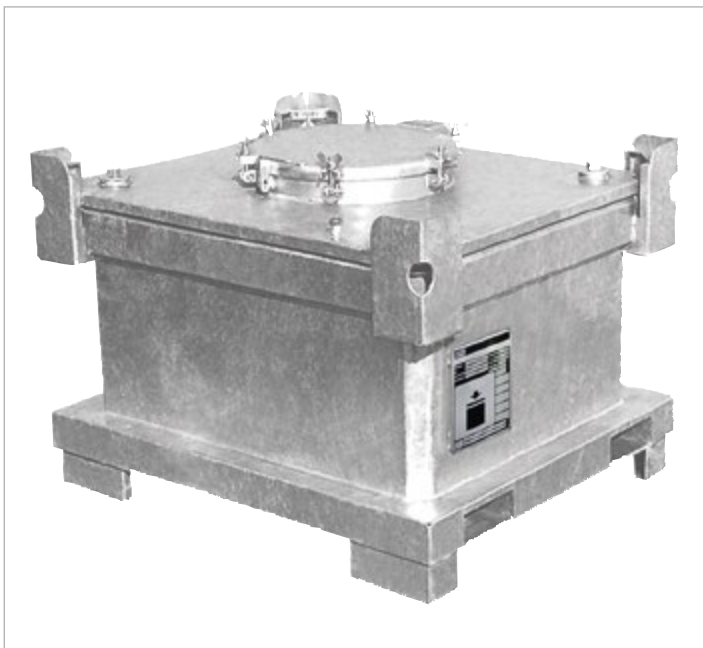
For the international transport of hazardous liquids according to the ADR/RID/IMDG codes, packing groups II and III

- according to standard "DIN 30741-2"
- consists of outer and inner container
- no retention basin necessary
- filling inlet Ø 457 mm with lockable manhole cover
- pressure relief valve 3/4", 0.5 bar
- 2 x 2" coupling with plug
- dipstick to register any leakage
- folding step
- suitable for pick-up by pallet-, forklift truck or crane
- max. density 1.8 kg/l
- collection and storage indoors and outdoors
- mark of Compliance ("Ü"), buildings Standards List A, "DIBt"

Types available

Type DC 450 approved for

- water pollution liquids of the GHS-categories 1-4
- when fitted with a funnel and sieve (accessories), the Duo-container can also be used as a collecting container for flammable liquids of the GHS-categories 1-3



Type DC 450



Funnel with stainless steel sieve (accessory)



Wing nut wrench (accessory)

Type DC 1000 approved for

- flammable liquids with a flashpoint > 55° C

Accessories

- funnel with stainless steel sieve
- embossed company name
- wing nut wrench

Individual constructions on request

- e.g. stainless steel

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31A/Y/D/12672-BAUER
31A/Y/D/12673-BAUER

Type	Volume in l	Dimensions in mm (l x w x h)	Can be stacked	Total permitted weight in kg	Weight in kg
DC 450	450	1200 x 1000 x 860	3 units	1100	290
DC 1000	1000	1200 x 1000 x 1543	3 units	2230	430

Finish: hot-dip galvanized

COLLECTING CONTAINER TYPE ASB



Type ASB 450-I

For the international transport of hazardous liquids according to ADR/RID/IMDG codes, collection and storage of flammable liquids of the GHS-categories 1-3 according

- outer container serves as a retention basin with lid
- lockable lid with gas compression springs
- inner tank (screwed to outer)
- filling inlet Ø 400 mm
- funnel and stainless steel sieve
- dipstick to register any leakage
- pressure relief valve ¾"
- suitable for pick-up by pallet-, forklift truck or crane
- for indoor and outdoor use
- max. density 1.8 kg/l
- mark of Compliance ("Ü"), buildings Standards List A, "DIBt"

Finish

	Inner tank 4 mm	Outer tank 2 mm
1.	hot-dip galvanized	hot-dip galvanized
2.	stainless steel	hot-dip galvanized
3.	stainless steel	stainless steel

Accessories

- filling or suction pipe with 2" coupling, threaded coupling and cap
- inner tank with sump under suction pipe
- 1" threaded coupling with plug
- embossed company name



Type ASB 450-II



Type ASB 250

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31A/Y/D/BAUER/0137-0142

Type	Volume in l	No. of (inner tank x l)	Dimensions in mm (l x w x h)	Can be stacked	Weight in kg
ASB 250	250	1 x 250	790 x 815 x 830	3-fach	193
ASB 450-I	450	1 x 450	1200 x 885 x 830	3-fach	263
ASB 450-II	450	2 x 225	1200 x 885 x 830	3-fach	310

Finish: **hot-dip galvanized** | stainless steel

HAZARDOUS MATERIALS CONTAINER TYPE SCD



For the international transport of hazardous liquids according to the ADR/RID/IMDG codes, packing groups II and III as well as collection and storage in accordance

- outer container (with frame) serves as a retention basin
- with inner tank (screwed in), stacking frame and manhole cover
- filling inlet Ø 610 mm
- lockable manhole cover with 8 butterfly bolts, can be held in 90° position
- funnel with filling pipe
- with dipstick to register any leakage
- max. density 1.8 kg/l
- suitable for pick-up by pallet-, forklift truck or crane
- mark of Compliance ("Ü"), buildings Standards List A, "DIBt"

Accessory

- embossed company name

Type	Volume in l	Dimensions in mm (l x w x h)	Can be stacked	Filling height in mm	Total permitted weight in kg	Weight in kg
SCD 240	240	800 x 800 x 1093	3 units	938	627	195
SCD 285	285	800 x 800 x 1248	3 units	1093	725	212

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31A/Y/D/12669-BAUER

31A/Y/D/12670-BAUER

TANK-CONTAINER TYPE TCB



For the international transport of hazardous liquids according to the ADR/RID/IMDG codes, packing groups II and III

- according to standard "DIN 30741-2"
- construction made of 3 mm steel sheeting, floor made of 5 mm
- 2" drain-cock in floor
- manhole cover with 6 ring nuts, lockable
- filling inlet Ø 457 mm
- pressure relief valve 3/4", 0.5 bar
- mark of Compliance ("Ü"), buildings Standards List A, "DIBt"

Accessory

- embossed company name

Individual constructions on request

- e.g. stainless steel
- 2 x 2" coupling with plug
- suitable for pick-up by pallet-, forklift truck or crane
- folding step
- max. density 1.5 kg/l

Type	Volume in l	Dimensions in mm (l x w x h)	Can be stacked	Total permitted weight in kg	Weight in kg
TCB 1000	1000	1200 x 1000 x 1600	3 units	1780	280

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31A/Y/D/12675+76-BAUER

Finish: hot-dip galvanized

SPECIAL WASTE CONTAINER **TYPE ASK 540-3**



For international transport of hazardous liquids according to the ADR/RID/IMDG codes, packing groups II and III

- following DIN standard 30741, part 1
- outer container made of steel sheeting, inside spray painted using acid resistant paint
- changeable PE-inner with screw-on lid
- through fork sleeves
- sturdy stacking corners with crane eyes
- suitable for pick-up by pallet- or forklift truck and crane
- lid: spring-assisted and with a seal
- 3 lid fasteners, one of which can be locked
- automatic lid lock in 270° position
- lid can be fixed in any position up to 80°
- dipstick to register any leakage
- max. density 1.9 kg/l



Steel outer container and PE-inner with screw-on lid



Through fork sleeves



Spring-assisted



Crane eye on the inside of the stacking corner



Dipstick to register any leakage

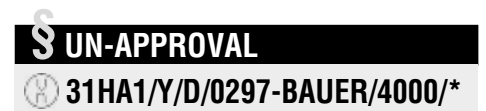


Automatic lid lock



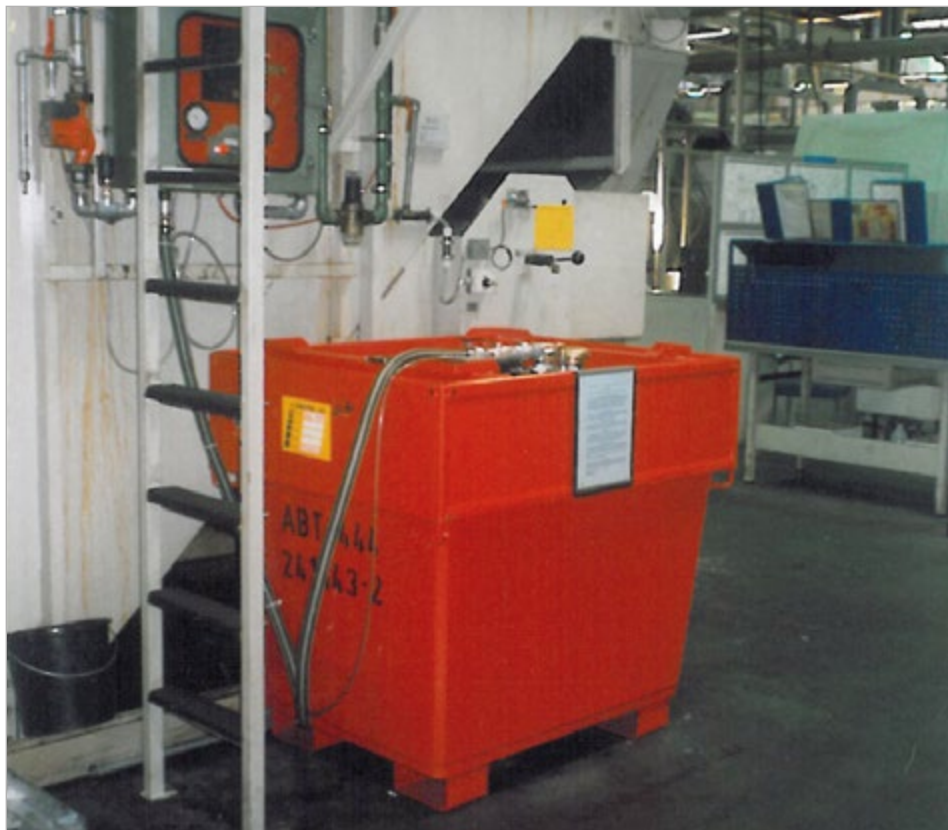
Lid seal

Type	Volume in l	Dimensions in mm (l x w x h)	Extra load in kg	Total permitted weight in kg	Weight in kg
ASK 540-3	540	1200 x 1000 x 1245	4000	1010	256



Finish: **hot-dip galvanized**

MOBICONT TYPE M 800



Supply and disposal of flammable liquids with a flash point > 55° C.

International transport of hazardous liquids according to ADR/RID/IMDG codes, packing groups II and III

- sturdy, conical outer container made of 3 mm steel sheeting that protects inner container and serves as a retention basin with 100 % retention volume
- including dipstick to test for leakage
- 100 mm ground leeway
- sturdy, exchangeable inner tank made of PE
- suitable for pallet truck, forklift truck and crane
- easy to clean
- mark of Compliance ("Ü"), buildings Standards List A, "DIBt"

Accessories

- 2-part galvanized lid, with stacking corners, can be locked
- square or cylinder lock
- filling/extraction lid with 3 x 2" and 1 x 3/4" thread
- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake – construction height 220 mm
- manual or electric pumps
- level indicator
- funnel for filling
- additional accessories available on request



Type M 800 with manual pump



Filling/extraction lid



Type M 800 with electric pump



Square lock



Funnel for filling



Mobile oil supply for machines



Type M 800 with lid

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 § 31HA1/Y/D/14263-BAUER/3344

Type	Volume in l	Dimensions in mm (l x w x h)	Can be stacked	Weight painted in kg
M 800	800	1200 x 1000 x 1145	3 units	220

Finish:	RAL 2000	RAL 3000	RAL 5012	RAL 6011	RAL 7005	hot-dip galvanized
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MOBICONT TYPE MO 800



- (1) closed hose retractor reel with 8 m hose DN 13
- (2) electric pump 230 V, cable with plug, including suction hose
- (3) level indicator for storage
- (4) 2" filling coupling
- (5) manual flow counter
- (6) 1" aeration/deaeration valve
- (7) 1" stop-cock

Mobile oil supply for manufacturing, approval for storage and transport

- sturdy, conical outer container made of 3 mm steel sheeting that protects inner container and serves as a retention basin with 100 % retention volume, including dipstick to test for leakage
- sturdy, exchangeable inner made of PE, with screw-on lid Ø 215 mm
- spill tray
- suitable for pallet truck, forklift truck and straddle stacker
- mark of Compliance ("Ü"), buildings Standards List A, "DIBt"

Accessory

- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake – construction height 220 mm

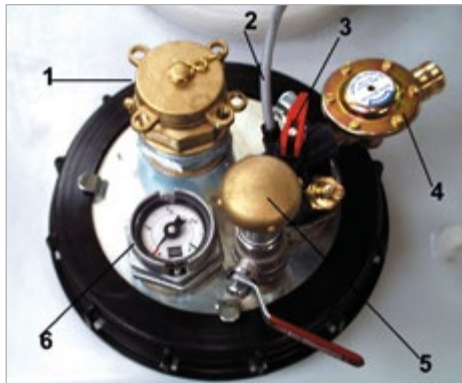
UN-APPROVAL
 31HA1/Y/D/14263-BAUER/3344

Type	Volume in l	Dimensions in mm (l x w x h)	Weight painted in kg
MO 800	800	1200 x 1000 x 1045 / 1620	251

MOBICONT TYPE MW 800



Type MW as "twin tank system" for increased requirement (individual construction)



Individual constructions on request

Heating fuel supply for hot air heaters, both indoors and outdoors

- sturdy, conical outer container made of 3 mm steel sheeting that protects inner container and serves as a retention basin with 100 % volume, including dipstick to test for leakage
- sturdy, exchangeable inner tank made of PE
- filling/extraction lid with 3 x 2" and 1 x 3/4" thread
- suitable for pallet truck, forklift truck and crane
- lockable lid covers the retention basin; with stacking corners and lid support
- square or cylinder lock
- mark of Compliance ("Ü"), buildings Standards List A, "DIBt"

Accessories

- tank heating (with expertise issued by the German "TUV")
- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake – construction height 220 mm
- filling/extraction lid with fittings such as
 - (1) filling coupling
 - (2) tank heating
 - (3) Euroflex 3 - tank armature
 - (4) anti-siphon valve
 - (5) aeration/deaeration valve
 - (6) level indicator

Type	Volume in l	Dimensions in mm (l x w x h)	Can be stacked	Weight in kg
MW 800	800	1290 x 1020 x 1310	3 units	286

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 31HA1/Y/D/14263-BAUER/3344

Finish:	RAL 2000	RAL 3000	RAL 5012	RAL 6011	RAL 7005	hot-dip galvanized
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MOBICONT TYPE MD 800



Type MD 800 with electric pump



Type MD 800 with manual pump



Type MD 800 with manual pump



Type MD 800 with loading traverse

Mobile diesel supply for building site vehicles, machinery, equipment etc. International transport of hazardous liquids according to ADR/RID/IMDG codes, packing groups II and III

- sturdy, conical outer container made of 3 mm steel sheeting that protects inner container and serves as a retention basin with 100% volume
- including dipstick to test for leakage
- 100 mm ground leeway
- sturdy, exchangeable inner made of PE
- filling/extraction lid with 2" filling coupling, deaeration valve, suction hose, stop-cock for the pump connection, screw-in dipstick
- lockable hood with gas compression springs
- suitable for pallet truck, forklift truck and crane
- mark of Compliance ("Ü"), buildings Standards List A, "DIBt"

Accessories

- manual or electric pumps
- 2 swivel + 2 fixed polyamide castors Ø 180 mm, one swivel castor with brake – construction height 220 mm
- level indicator
- marginal level safety valve
- loading traverse
- further accessories on request

UN-APPROVALS
 § 31HA1/Y/D/14263-BAUER/3344

Type	Volume in l	Dimensions in mm (l x w x h)	Weight painted in kg
MD 800	800	1225 x 1025 x 1625	253

Finish:	RAL 2000	RAL 3000	RAL 5012	RAL 6011	RAL 7005	hot-dip galvanized
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MINI-TANK TYPE MT 235



Type MT 235 with manual pump

Type	Volume in l	Dimensions in mm (l x w x h)	Can be stacked	Total permitted weight in kg	Weight in kg
MT 235	235	800 x 800 x 1248	3 units	725	220

Suitable for filling building site vehicles and machinery, equipment etc. For the international transport of hazardous liquids according to ADR/RID/IMDG codes, packing groups II and III. For the storage of flammable liquids of the GHS-categories 1-3

- outer container (including frame) serves as a retention basin with 100 % retention volume
- inner tank (screwed to outer container) with stacking frame, manhole cover and fittings
- dipstick to register any leakage
- 2" coupling for pump
- filling coupling with threaded connection
- aeration valve
- can be locked
- suitable for pick-up by pallet-, forklift truck or crane
- for indoor and outdoor use
- mark of Compliance ("Ü"), buildings Standards List A, "DIBt"

Accessories

- manual and electric pumps
- level indicator

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31A/Y/D/12671-BAUER

FUEL CONTAINERS TYPE MT-E 300-430



Mobile and single-walled tank for diesel and fuel oil supply for building site vehicles, machinery, equipment. For the transport with immediate use according to ADR 1.1.3.1 c

- sturdy welded construction
- lockable spring supported lid
- 100 mm ground leeway
- swivel crane eyes for crane handling and securing loads
- 2" threaded coupling with cap
- pressure relief valve and airing valve
- 1" pump coupling with stop-cock
- with pump changeable from 12V to 24V, with automatic nozzle and hose 4,0 m

Accessories

- manual or electric flow counter
- level indicator

Type	Volume in l	Dimensions in mm (l x w x h)	Floor area in mm (l x w)	Total permitted weight in kg	Weight (empty) without pump in kg
MT-E 300	300	1060 x 877 x 888	1000 x 800	535	171
MT-E 430	430	1060 x 877 x 888	1000 x 800	685	171

Finish: hot-dip galvanized

FUEL CONTAINERS TYPE MT 450-1000



Type MT 450 with electric pump



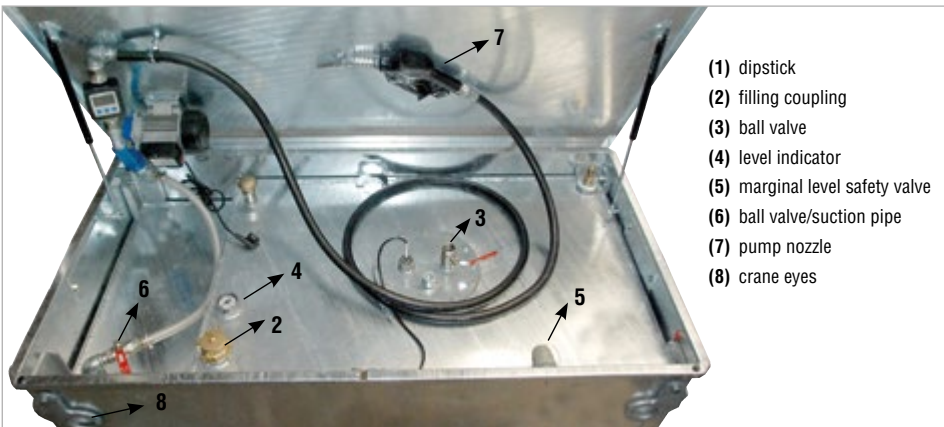
Type MT 1000 with electric pump

Mobile diesel and fuel oil supply for building site vehicles, machinery, equipment. For the international transport of hazardous liquids according to ADR/RID/IMDG codes, packing groups II and III

- outer container serves as a retention basin with 100 % retention volume including dipstick to register leakage
- inner tank (screwed to outer container) i.e. can be renewed, with opening for cleaning
- lockable spring supported lid
- 100 mm ground leeway
- swivel crane eyes for crane handling and securing loads
- 2" threaded coupling with cap, 1" pump coupling with stop-cock
- pressure relief valve and airing valve
- no haz mats licence necessary in Germany - check YOUR stipulations!
- mark of Compliance ("Ü"), buildings Standards List A, "DIBt"

Accessories

- manual pump
- electric pumps 12 V / 24 V / 230 V
- manual or electric flow counter
- level indicator
- marginal level safety valve
- loading traverse



- (1) dipstick
- (2) filling coupling
- (3) ball valve
- (4) level indicator
- (5) marginal level safety valve
- (6) ball valve/suction pipe
- (7) pump nozzle
- (8) crane eyes

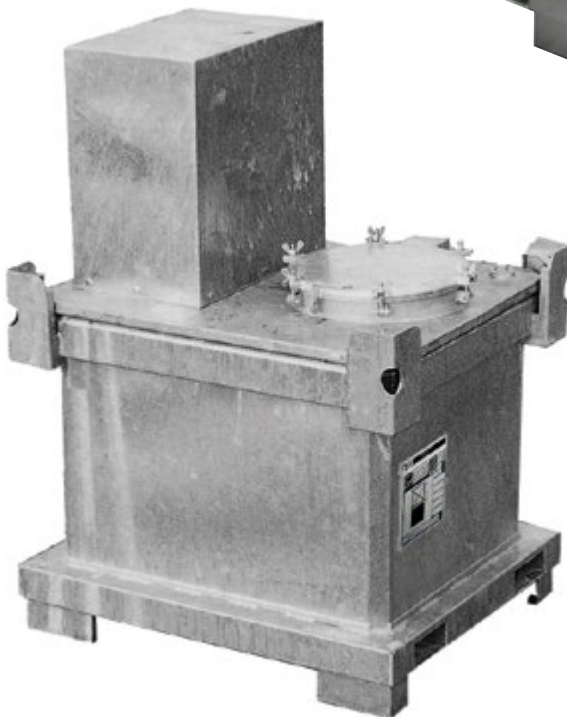
Type	Volume in l	Dimensions in mm (l x w x h)	Floor area in mm (l x w)	Total permitted weight in kg	Weight (empty) without pump in kg
MT 450	450	1060 x 880 x 890	1000 x 800	775	239
MT 600	600	1360 x 880 x 890	1300 x 800	990	280
MT 1000	1000	1660 x 880 x 1100	1600 x 800	1557	356

UN-APPROVAL
31A/Y/D/7336-BAUER

DIESEL TANKS TYPE DT 450-1000



Type DT 1000 with electric pump



Type DT 450



Wing nut wrench

Suitable for filling building site vehicles and machinery equipment etc. For the international transport of hazardous liquids according to ADR/RID/IMDG codes, packing groups II and III

- outer container (including frame) serves as a retention basin with 100 % retention volume
- inner tank (closed construction)
- filling inlet Ø 457 mm with lockable manhole cover
- case for fittings with lock
- aeration/deaeration valve
- 2" coupling with cap
- dipstick to register any leakage
- suitable for pick-up by pallet-, forklift truck or crane
- folding step
- for collection and storage indoors and outdoors

Types available

Type DT 450 approved for

- flammable liquids of the GHS-categories 1-3
- water pollution liquids of the GHS-categories 1-4

Type DT 600 and DT 1000 approved for

- flammable liquids with a flash point > 55° C

Accessories

- manual pump
- electric pumps 12 V / 24 V / 230 V
- level indicator (type DT 450)
- flow counter
- wing nut wrench
- mark of Compliance ("Ü"), buildings Standards List A, "DIBt"

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31A/Y/D/12674-BAUER

Type	Volume in l	Dimensions in mm (l x w x h)	Total permitted weight in kg	Weight in kg
DT 450	450	1200 x 1000 x 1415	1135	325
DT 600	600	1200 x 1000 x 1600	1460	380
DT 1000	1000	1200 x 1000 x 2100	2230	460

Finish: **hot-dip galvanized**

USED BATTERY CONTAINERS



Type SAP 600 K

TYPE SAP 600 K

For the international transport of used batteries

- sturdy construction made of 3 mm steel sheeting according to "DIN 30741-1"
- lockable spring-assisted lid and support in 70° position
- lid locks automatically in 270° position
- changeable PE-inner with edging to fit over container rim, resistant to sulphuric acid; robust and hard-wearing
- lid coated inside
- suitable for pick-up by pallet-, forklift truck or crane
- battery case as referred to in the packaging instructions P 801 and P 801a

Individual construction for lithium-ion-batteries on request



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 Ⓜ 11 A/Y/D/BAUER/0348



Type SAP 601 K

TYPE SAP 601 K

The correct way to collect and store batteries

- sturdy construction made of 3 mm steel sheeting
- changeable PE inlay with edging to fit over container rim, resistant to sulphuric acid; robust and hard-wearing
- lid support in 70° position
- suitable for pick-up by pallet- or forklift truck
- battery case as referred to in the packaging instructions P 801 and P 801a

Type	Volume in l	Dimensions in mm (l x w x h)	Can be stacked	Total permitted weight in kg	Weight in kg
SAP 600 K	620	1200 x 1000 x 1055	3 units	1224	214
SAP 601 K	620	1120 x 960 x 920	3 units	1124	156

154 Finish: hot-dip galvanized

LOADING AID **TYPE LAB**



Type LAB

Especially designed for transporting drums - max. 8 x 120 l - or 8 units special waste container type ASF/P 100-2

- sturdy frame with through fork sleeves
- suitable for pick-up by pallet- or forklift truck...
- ...rear and side walls made of lattice grid; double-winged door at the front with locking mechanism
- door stop engages in 180° position
- metal bands fitted to rear and side walls so loads can be secured



Through fork sleeves



Locking mechanism at the top of the doors



Locking mechanism at the bottom of the doors

Type	Inside dimensions (l x w x h) in mm	External dimensions (l x w x h) in mm	Extra load in kg	Total permitted weight in kg	Weight in kg
LAB	930 x 1036 x 1360	1200 x 1000 x 1600	4000	2150	150

TRANSPORT-PALETT **TYPE TP**



Type TP



Type TP stacked on Type SAP 800

For the efficient and safe transport of plastic drums etc.

- base frame of the SAP 800 (please refer to page 138)
- 3-sided framework with a double door and a latch, built on to the frame
- can be stacked on hazardous materials containers measuring 1200 x 1000 mm according to "DIN 30741"

Type	Dimensions in mm (l x w x h)	Weight in kg
TP	1200 x 1000 x 1200	127

Finish: **hot-dip galvanized**

FLUORESCENT TUBE BOX TYPE AL



Collection and transport of used fluorescent strips

- sturdy construction made of aluminium
- light weight unit
- 100 mm ground leeway for pick-up by pallet- or forklift truck
- stacking corners
- aeration holes on the long sides
- folding handle at each end
- removable lid
- 2 lockable lid fasteners



Type	Max. no. of fluorescent strips	Dimensions in mm (l x w x h)	Can be stacked	Weight approx. in kg
AL-D 150	approx. 320 pieces Ø 25 mm / approx. 150 pieces Ø 37 mm	1700 x 465 x 585	3 units	27
AL-D 200	approx. 320 pieces Ø 25 mm / approx. 150 Stück Ø 37 mm	2100 x 465 x 585	3 units	31

FLUORESCENT TUBE BOX TYPE SL



Collection and transport of used fluorescent strips

- sturdy construction made of steel sheeting
- 100 mm ground leeway for pick-up by pallet- or forklift truck
- stacking corners with crane eyes
- lockable

Types available

Type SL

- with galvanized door

Type SL-D

- with galvanized door and lid

Accessory

- removable inlay for type SL-D for separate collection of batteries, energy-saving lamps etc.



Type	Max. no. of fluorescent strips	Dimensions in mm (l x w x h)	Can be stacked	Weight painted in kg
SL 150	approx. 1100 pieces Ø 25 mm / approx 500 pieces Ø 37 mm	1700 x 770 x 1125	3 units	148
SL-D 150	approx. 1100 pieces Ø 25 mm / approx. 500 pieces Ø 37 mm	1700 x 770 x 975	3 units	139
SL 200	approx. 1100 pieces Ø 25 mm / approx. 500 pieces Ø 37 mm	2100 x 770 x 1125	3 units	177
SL-D 200	approx. 1100 pieces Ø 25 mm / approx. 500 pieces Ø 37 mm	2100 x 770 x 975	3 units	165

Finish:

RAL 2000

RAL 3000

RAL 5012

RAL 6011

RAL 7005

hot-dip galvanized

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Underground systems



Underground systems



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FORKLIFT TRUCK ATTACHMENTS

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