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WASTE COLLECTION 07.1

WASTE COLLECTORS



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CLOSED WASTE BINS



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BULK LINEN WASTE
TRANSPORT CARTS



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WASTE COLLECTORS, MOBILE



MS 265LT, DT 80+80

- Seamless welded frame construction
- 20 mm stainless steel tube construction
- Equipped with hinge to connect lid DT 80 - 88
- Equipped with Hammerlit grip ring HR 2000
- Bottom plate, material ABS
- 4 swivel casters, Ø 75 mm, with precision ball bearing, light gray rubber profile, wheels with threadguards and caster housing zinc-chromated

// OPTIONAL ACCESSORIES

- + Lid with polymer hinge DT 80 - DT 88 (removable without tools)
- + Lid with polymer hinge DT 80 - DT 88 in combination with pedal mechanism LT
- + Lid with polymer hinge DT 80 - DT 88 in combination with pedal mechanism LT and lid damping LTD
- + 4 swivel casters, 2 with brake LS075GS01
- + Conductive casters LL075AS01
- + Caster housing stainless steel LL075GE 01
- + Bumpers SSG31
- + Stainless steel hooks HAKEN



MS 165LT, DT 80



MS 265LT, DT 87+80



+ Lid damping



MS 365LT, DT 83+80+81



MS 465LT, DT 82+83+80+87

NO. OF GRIP RINGS	1	2	3	4	LIDS (PAGE 74)
Hinged model	MS 165L	MS 265L	MS 365L	MS 465L	DT 80 - DT 88
With pedal mechanism	MS 165LT	MS 265LT	MS 365LT	MS 465LT	DT 80 - DT 88
With lid damping	MS 165LTD	MS 265LTD	MS 365LTD	MS 465LTD	DT 80 - DT 88
Width, mm	410	670	1000	1335	
Depth, mm	480*	480*	480*	480*	
Height, mm	950	950	950	950	
Weight, kg	6	8.5	11	13	

*Models equipped with pedal mechanism have an additional depth of 15 mm.



MS 295LT, DT 80+80

PUSH HANDLE WASTE COLLECTORS, MOBILE

- Seamless welded frame construction
- 22 mm stainless steel tube construction
- Equipped with hinge to connect lid DT 80 - 88
- Equipped with Hammerlit grip ring HR 2000
- Bottom plate, material ABS
- Bumpers **SP32**
- Stainless steel hooks **HAKEN**
- 4 swivel casters, 2 with brake, Ø 75 mm, with precision ball bearing, light gray rubber profile, wheels with threadguards and caster housing zinc-chromated

// OPTIONAL ACCESSORIES

- + Lid with polymer hinge **DT 80 - DT 88** (removable without tools)
- + Lid with polymer hinge **DT 80 - DT 88** in combination with pedal mechanism **LT**
- + Lid with polymer hinge **DT 80 - DT 88** in combination with pedal mechanism **LT** and lid damping **LTD**
- + Conductive casters **LS075AS05**
- + Caster housing stainless steel **LS075GE05**



MS 195LT, DT 83



MS 295LT, DT 82+80



MS 395LT, DT 84+82+83



MS 495LT, DT 83+82+81+80

„Waste sorting
at a high level!“

NO. OF GRIP RINGS	1	2	3	4	LIDS (PAGE 74)
Hinged model	MS 195L	MS 295L	MS 395L	MS 495L	DT 80 - DT 88
With pedal mechanism	MS 195LT	MS 295LT	MS 395LT	MS 495LT	DT 80 - DT 88
With lid damping	MS 195LTD	MS 295LTD	MS 395LTD	MS 495LTD	DT 80 - DT 88
Width, mm	490	750	1085	1420	
Depth, mm	500*	500*	500*	500*	
Height, mm	950	950	950	950	
Weight, kg	7.5	10	12.5	13.5	

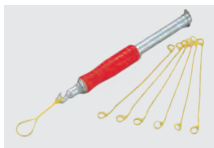
*Models equipped with pedal mechanism have an additional depth of 15 mm.

SPRING SHUT WASTE COLLECTOR CLAPPY, STAINLESS STEEL

This model is a completely new and innovative concept in waste collection. Although it has no lid, it is always closed.



MS 73-03 KF



Wire loops MS 03 are used to secure the waste sacks and are fastened with the drill-binder hand-tool.



+ Fixing clamp MSZ 1
(1 set = 2 pieces)



+ Drill-twister MS 02K



+ Automatic brake



+ Included with bottom plate, light gray, plastic, (shock-resistant ABS)



+ With an additional locking device the collector is fixed in an open position

WALL MOUNTED CLAPPY

This version of the **spring shut collector** was created especially for wall mount applications. The carrier can be opened by means of the handle or pedal. The frame is made of stainless steel, it's sturdy, easy to clean and disinfect.



// TECHNICAL DESCRIPTION

- + **Frame** Stainless steel, seamless welded
- + **Bottom plate** (ABS)
- + **Casters** Ø 75 mm, precision ball bearing with gray non-marking rubber tread
- + **Caster housing** Zinc-chromated

! Collectors to be supplied with fixing clamp, please add therefore **KF** to the order code, e.g. **MS 73KF!**

MODEL	70 LITER	70 LITER	40 LITER	40 LITER	2 x 70 LITER	2 x 40 LITER	20 LITER
4 swivel casters, brake		MS 73		MS 43			
4 swivel casters, brake, with locking device		MS 73-01		MS 43-01			
4 swivel casters, brake, with drill-twister		MS 73-02		MS 43-02			
4 swivel casters, brake, with locking device and drill-twister		MS 73-03		MS 43-03			
4 casters, brake, handle		MS 73H		MS 43H	MS 732	MS 432	
4 casters, brake, handle, with locking device		MS 73H-01		MS 43H-01	MS 732-01	MS 432-01	
4 casters, brake, handle, with drill-twister		MS 73H-02		MS 43H-02	MS 732-02	MS 432-02	
4 casters, brake, handle, with locking device and drill-twister		MS 73H-03		MS 43H-03	MS 732-03	MS 432-03	
2 swivel casters, 2 feet		MS 75		MS 45			MS 35
4 feet							MS 36
4 feet with drill-twister							MS 36-02
2 swivel casters, 2 feet, with drill-twister		MS 75-02		MS 45-02			
4 casters, 2 with brake		MS 71		MS 41			
4 casters, 2 with brake and drill-twister		MS 71-02		MS 41-02			
Wall-mounted model	MS 72		MS 42				
Wall-mounted model with drill-twister	MS 72-02		MS 42-02				
Width (mm)	585	585	540	585	1195	1195	450
Depth (mm)	340	490	340	490	490	490	350
Height (mm)	910	975	780	825	975	825	470
Weight (kg)	7.5	7.5	6.5	6.5	15	13	3
Grip ring (Width)	550	550	475	475	550	475	450

SPRING SHUT WASTE COLLECTORS CLAPPY, STAINLESS STEEL

2 SWIVEL CASTERS, Ø 75 MM, 2 LEGS



MS 75



MS 45

// OPTIONAL ACCESSORIES

+ Push handle for Clappy and Fixing clamp



+ Push handle for clappy
(see also page 127)



+ Fixing clamp

4 LEGS



MS 36

4 SWIVEL CASTERS, Ø 75 MM, AUTOMATIC BRAKE



MS 43



MS 73



MS 732

4 SWIVEL CASTERS, 2 WITH BRAKE, Ø 75 MM



MS 41



MS 71



MS 712

CLOSED WASTE BINS , POWDER COATED STEEL

These waste bins combine efficiency and sturdiness in one esthetic design. They are available in **coated steel and stainless steel**.

Models MSD 107 and MSD 112 are equipped with 2 wheels at the front for **easy moving** when tilted. MSD 104 is only available as a standing model.

The pedal mechanism with **integrated noise reducing lid** damping allows easy and dirt free operation of the lid.

As the inserts are seamless and **tapered**, full bags cannot get jammed in any way. This allows easy removal.

The **flexible stainless steel back** allows bags to be fixed and above all removed with ease. This and the tapered shape of the insert considerably reduces the risk of damaging the bag during removal.

A tapered **stainless steel** insert is available for all three sizes. The sturdy construction of these waste bins, with stainless steel foot pedals, ensures durable, trouble-free usage even when subjected to a maximum of strain.



Housing RAL 7035 light gray + lid powder-coated, DB703 anthracite gray metallic

WIDTH mm	DEPTH mm	HEIGHT mm	HEIGHT OPEN mm	WHEEL Ø mm	WEIGHT kg	SIZE OF BAGS mm	CAPACITY l	ORDER CODE WITHOUT INSERT	ORDER CODE WITH INSERT
320	385	620	860		7	500 x 800	40	MSD 104	MSD 104/E 104
370	415	840	1120	75	10.5	575 x 1000	70	MSD 107	MSD 107/E 107
370	515	970	1330	75	13.5	700 x 1100	120	MSD 112	MSD 112/E 112



CLOSED WASTE BINS, STAINLESS STEEL

These bins are constructed in the same way as mentioned on page 129 **including noise reducing lid damping system**.

The outer shell and the inserts are made of high quality stainless steel which makes them **resistant** to cleaning detergents, solvents and disinfectants.

WIDTH mm	DEPTH mm	HEIGHT mm	HEIGHT OPEN mm	WHEEL Ø mm	WEIGHT kg	SIZE OF BAGS mm	CAPACITY l	ORDER CODE WITHOUT INSERT	ORDER CODE WITH INSERT
320	385	620	860		7.3	500 x 800	40	MSED 104	MSED 104/E 104
370	415	840	1120	75	10.6	575 x 1000	70	MSED 107	MSED 107/E 107
370	515	970	1330	75	13.5	700 x 1100	120	MSED 112	MSED 112/E 112



TE 105 E NI - TE 130 E NI

STEP-ON TRASH CANS

These **step-on trash cans** have the following features:

- Sturdy sheet metal, coated or non-rusting chrome steel
- Quality pedal with a sturdy mechanism
- Durable fire retardant insert, zinc-plated
- Soft-close lid and smooth-running pedal construction



TE 105 NI - TE 130 NI

STEP-ON TRASH CANS

Capacity (l)	5	12	20	30
Height (mm)	290	400	450	680
Height, open (mm)	480	640	750	980
Diameter (mm)	200	250	290	290
Depth (mm)	280	350	400	400
Weight (kg)	1.5	2.5	3.6	5.8
STURDY SHEET METAL, COATED (WHITE)	TE 105 NI	TE 112 NI	TE 120 NI	TE 130 NI
NON-RUSTING CHROME STEEL	TE 105 E NI	TE 112 E NI	TE 120 E NI	TE 130 E NI



SHARPS CONTAINERS haliboxS

For the collection of all kinds of small disposable waste.

The **haliboxS** have the following features:

- The box is provided with a grip and when empty stackable to save storage space
- Because of the unique closure the box is watertight, including filling mark
- **haliboxS** meets the requirements of TRBA 250 and DIN EN ISO 23907

CAPACITY l	WIDTH mm	DEPTH mm	HEIGHT mm	PACKING UNIT/ QUANTITY	MATERIAL	ORDER CODE
2.3	244	106	161	45	PP	MB 2300S



SHARPS CONTAINERS SEPTOBOX®S

The **Septobox®S** serves as a waste container and safety device for the disposal of syringes, cannulas, scalpels, needles, ampoules, etc.

Special protection by **double closing**:

There is a yellow plastic cover on the lid which enables you to open and close the container as needed. Once the box is full, simply press the yellow cover into the lid and the box is sealed permanently and the container can be disposed. Conformity according to TRBA 250 and DIN EN ISO 23907.

ADHESIVE ADAPTER FOR SEPTOBOX®S

MB 3AD

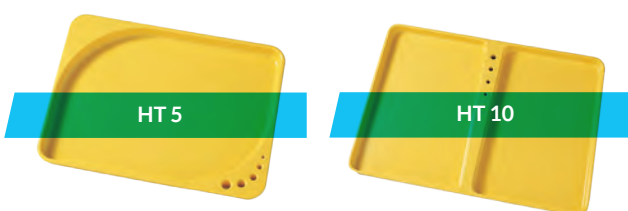
Optional an adhesive adapter for the **Septobox®S** is available, which allows safe mounting on any smooth and clean surface, reducing the risk of falling over.

Ø LID mm	Ø BASE mm	HEIGHT mm	CAPACITY l	MATERIAL	PACKING UNIT/ QUANTITIY	DIMENSIONS FOR PACKING UNITS				ORDER CODE
						WIDTH mm	DEPTH mm	HEIGHT mm	WEIGHT kg	
98	79	110	approx. 0.5	Polypropylene	170	610	405	420	approx. 10.7	MB 305S *
142	107	150	approx. 1.5	Polypropylene	80	610	405	420	approx. 13.7	MB 315S *
142	107	190	approx. 2.0	Polypropylene	65	610	405	420	approx. 11.8	MB 320S
142	107	246	approx. 2.5	Polypropylene	45	610	405	420	approx. 10.3	MB 325S
230	190	190	approx. 6.0	Polypropylene	50	650	650	640	approx. 13.8	MB 360S *

* besides TRBA 250 and DIN EN ISO 23907 also UN-approved

SYRINGE SECURITY TRAY halitab®

Medical professionals are subject to the risk of incidents during and after injecting. **Reduce the risk of puncture injuries by using the halitab® security tray.**



After injection, the used needle is secured by placing it into the protective cap **by only using one hand.**

In this way the risk of injury is reduced during the injection process, and afterwards whilst disposing the used syringes.

DIMENSIONS			PACKING UNIT/ QUANTITY	ORDER CODE
WIDTH mm	DEPTH mm	HEIGHT mm		
260	190	21	10	HT 5
400	290	21	10	HT 10

// TECHNICAL DESCRIPTION

- + Material ABS
- + Color Yellow, RAL 1016
- + Surface Smooth and jointless





SHARPS CONTAINERS SEPTOBOX®SAFE

The sharps container **Septobox®SAFE** is a stronger version of the **Septobox®S** and UN-certified.

All boxes can be fixed safely with the table adapter **MB3AD**.

// TECHNICAL DESCRIPTION

- + The lid opening can be extended step by step by breaking out the flaps, and so the lid opening has a variable use (except models MB 302SAFE and MB 307SAFE)
- + The universal pull-off/twist-off device is suitable for most common cannulas and insulin syringes
- + The minimum thickness of material at each spot (box and lid) is 1.7 mm
- + **Septobox®SAFE** meets the requirements of TRBA 250 and DIN EN ISO 23907

CAPACITY l	PACKING UNIT/ QUANTITY	MATERIAL	ORDER CODE
0.2	110	PP	MB302SAFE
0.7	170	PP	MB307SAFE
1.6	110	PP	MB316SAFE
2.0	80	PP	MB320SAFE
3.1	50	PP	MB331SAFE



SHARPS CONTAINERS SEPTOBOX®SAFE EUROMATIC

Septobox®Euromatic is ideal for the collection of small waste like disposable pipettes, blood tubes, scalpels, used cannulae, disposable syringes and broken glass.

One-Hand-Operation: lid opens automatically with one finger tip. For daily use it can be opened and closed for each disposal.

All boxes can be fixed safely with the table adapter **MB3AD**.

// TECHNICAL DESCRIPTION

- + Grip on the side
- + Minimum material thickness 1.7 mm at each spot (box and lid)
- + Final closure is visible when top grip is in upright position
- + **Septobox®SAFE Euromatic** meets the requirements of TRBA 250, DIN EN ISO 23907 and UN

CAPACITY l	PACKING UNIT/ QUANTITY	MATERIAL	ORDER CODE
3.3	55	PP	MB330SAFEEM
4.4	50	PP	MB340SAFEEM
6.0	40	PP	MB360SAFEEM
7.0	34	PP	MB370SAFEEM



WASTE BOX halipac®

According to the German directive of hospital hygiene and infection prevention, hospital waste as part of **category AS180103 (previous category C)** has to be disinfected or burned.

Containing: Waste from neonatology, diagnostics, prevention and treatment of human diseases.

All sorts of waste, of which collection and disposal is asking for special safety regulations related to infection prevention, have to be collected at the source in a humidity- and leakage resistant container, not able to be torn, and in a special for this application designed safe packaging, without re-packing or sorting, transported to a central waste collection location.

halipac® is available in three models with different plastic liners:

- **HP 40** Normal polyethylene bag, suitable for **incineration** (gauge: 0.12 mm)
- **HP 41** Polypropylene bag, temperature-resistant, **for disinfection** in a vacuum steam sterilizer, in accordance with the disinfectant list of the BGA, German Health Authority (max. temp. 134° C, gauge: 0.08 mm) drawn in special cardboard (1200 g/m²)
- As **economic alternative** to halipac® HP 40 and HP 41 we recommend **HP 50** with 0.12 mm polyethylene liner inserted in a corrugated cardboard box. Compared to HP 40 and HP 41 halipac® HP 50 doesn't reach the same high level of resistance against impact from outside moisture.

DIMENSIONS			CONTENT l	MATERIAL	SUITABLE FOR	WEIGHT kg	PACKING UNIT/ QUANTITY	ORDER CODE
WIDTH mm	DEPTH mm	HEIGHT mm						
300	300	500	40	Solid cardboard	Incineration	1.5	10	HP 40
300	300	500	40	Solid cardboard	Disinfection	1.5	10	HP 41
300	300	500	40	Corrugated cardboard	Incineration	0.8	10	HP 50

halipac® TROLLEYS



// TECHNICAL DESCRIPTION

- + halipac®-Trolley
Stainless steel
- + Casters 4 swivel casters, Ø 50 mm

// TECHNICAL DESCRIPTION

- + halipac®-Trolley incl. foot pedal mechanism
Stainless steel
- + Casters 4 swivel casters, Ø 75 mm

MODEL	DIMENSIONS			ORDER CODE
	WIDTH mm	DEPTH mm	HEIGHT mm	
Without pedal mechanism	325	315	585*	HF 2
With pedal mechanism	390	475	690**	HF 3LT
With pedal mechanism and lid damping	390	475	690**	HF 3LTD
Hinged lid				DT 60-68 (s. page 74)

*Height incl. halipac® **Height incl. lid and halipac®

BULK LINEN WASTE TRANSPORT CARTS, ALUMINUM ANODIZED

Bags filled with soiled laundry, especially those from operation rooms and Intensive Care Units, as well as waste bags, should only be transported in **closed containers**. Our models **TBA 56 E** and **TBA 66 E** made of anodized aluminum have been especially designed for this application.

These carts all have hinged lids which open lengthwise. Two handles are mounted at the cart to allow easy maneuvering. Models **TBA 56 SG** and **TBA 66 SG** have an additionally reinforced bottom frame and **wrap-around bumpers**, which ensure extra stability and a long life in the field.

For models **TBA 56 E** and **TBA 56 SG**, the front wall consists of three sections, which can be folded down as shown in the pictures above. This reduces the height that material needs to be lifted into the cart to only 680 mm from the floor. This container has a loading capacity of 6 to 8 full 70 liter transport bags and a load rating of 180 kg. A drainage faucet and a push handle are also standard equipment.

*„Both carts are available
in-and-excluding protection bumpers!“*



TBA 56 E



TBA 56 SG



TBA 66 E



TBA 66 SG

Container models **TBA 66 E** and **TBA 66 SG**, come standard with a bi-sectional, collapsible front wall. When this front wall is folded down, the loading height of the cart is reduced to 840 mm. A drainage faucet at the bottom of the cart and a push handle on the side where the swivel casters are located are also standard equipment. Carts have a loading capacity of 10 to 12 70 liter bags and a load rating of 180 kg.

APPROX. INTERIOR DIMENSIONS			APPROX. EXTERIOR DIMENSIONS			CASTER CONFIGURATION	CASTER Ø mm	WEIGHT kg	ORDER CODE ANODIZED
WIDTH mm	DEPTH mm	HEIGHT mm	WIDTH mm	DEPTH mm	HEIGHT mm				
990	600	1190	1070	654	1432	2 + 2	160	42	TBA 56 E
990	600	1190	1100	654	1432	2 + 2	160	50	TBA 56 SG
1300	700	1100	1370	760	1372	2 + 2	160	50	TBA 66 E
1300	700	1100	1400	760	1372	2 + 2	160	65	TBA 66 SG

! Open transport carts see pages 81-82!



SORTING OUT RECYCLABLES 07.2

CLOSED RECYCLING
COLLECTORS



page 136 ff.

CLOSED WASTE COLLECTORS
WITH FOOT PEDAL LIDS



page 138

RECYCLING BINS
AND LIDS



page 139

RECYCLING COLLECTORS
halinorm®



page 141

RECYCLING COLLECTORS
STRAUBING PLUS



page 142 ff.

POLYMER CONTAINERS



page 144

CLOSED RECYCLING COLLECTORS WSLK



WSLK 440



WSLK 330AC7



WSLK 330-124

Smooth, **easy to clean front panels** and seamless body are just some of the features this series of collectors has to offer. These carts are equipped with tilt-out bins that can be opened by using the foot pedal at the bottom.

The individual recycling bins are removable through the rear of the cart and have an approximate capacity of 50 liters (see page 139).

The open bottom construction minimizes the soiling of the collector due to incorrect waste insertion. The carts are available in different designs to meet individual requirements: As standard the body of the cart is made of stainless steel. Bins are not included. The bow handles are galvanized and powder-coated. Optional colored front panels are available on request.

The plain-colored versions of these collectors are made of Aluminum with polymer handles and the standard color is pure white (RAL 9010). In addition, the **WSLK** collector is also available in **powder-coated sheet metal** (entire unit in light gray color).

// TECHNICAL DESCRIPTION

- + **Casters** 4 swivel casters, 2 with double brake, Ø 75 mm, with precision ball bearing
- + **Tread** Gray rubber profile
- + **Caster housing** Zinc-chromated
- + **Bow handle** PXTK EF (Stainless steel look)

// FRONT COLORS OPTIONAL

RAL 6032 Green	RAL 3020 Red	RAL 5012 Blue
RAL 1016 Yellow	RAL 7016 Dark Gray	RAL 7035 Light Gray

// BOW HANDLES COLORS OPTIONAL

PXTK005 Meadow Green	PXTK055 Ruby Red	PXTK035 Ultramar Blue	PXTK045 Buttercup	PXTKA2 Stainless steel
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! The table provides an overview of the different order codes!
Matching bins WSB 5000–WSB 5008 please order separately (see page 139).

DESIGN	DIMENSIONS WIDTH mm	DEPTH mm	HEIGHT mm	STAINLESS STEEL	STAINLESS STEEL FRONT PANELS COLOR-CODED (RAL)	STEEL POWDER- COATED**	ALUMINUM LIGHT GRAY	ALUMINUM COLOR-CODED (RAL)	STAINLESS STEEL FIRE-RETARDANT VERSION
Single collector	390	550	785	WSLK 110	WSLK 110 + FC*		WSLK 110 A	WSLK 110 A + FC*	WSLK 110 F
Double collector	730	550	785	WSLK 220	WSLK 220 + FC*	WSLK 220TPB	WSLK 220 A	WSLK 220 A + FC*	WSLK 220 F
Triple collector	1070	550	785	WSLK 330	WSLK 330 + FC*	WSLK 330TPB	WSLK 330 A	WSLK 330 A + FC*	WSLK 330 F
Quadruple collector	1410	550	785	WSLK 440	WSLK 440 + FC*		WSLK 440 A	WSLK 440 A + FC*	WSLK 440 F

*Colorcode **Color according to RAL 7035, surfaces smooth/shiny.

CLOSED RECYCLING COLLECTORS WSLK

„Customized solutions like
the model WSLK 333
are possible at any time!“

! Please consult your Hammerlit
Distributor!

// INFORMATION

All models are also available in a fire-retardant version with a closed bottom and rear panel. The rear panel adds an extra of approx. 30 mm to the overall depth of the unit and approx. 25 mm to the height.



DESIGN	DIMENSIONS			STAINLESS STEEL	STAINLESS STEEL FIRE-RETARDANT VERSION
	WIDTH mm	DEPTH mm	HEIGHT mm		
Double collector	730	580	785		WSLK 220F
Triple collector	1090	550	1070	WSLK 333	

CLOSED RECYCLING COLLECTORS WSLQ

Another version of the closed recycling collector with tilt-out bins is our model **WSLQ**.

This collector, which is specially designed for **narrow spaces**, has a **depth of only 400 mm**.

The bins are removable through the front panels of the cart via a new second angle of the opening mechanism.

Lift pedal before opening and reach second angle to remove bin easily (Patent DBP DE 100 04 057).



+ Bins easy removable
through front panels

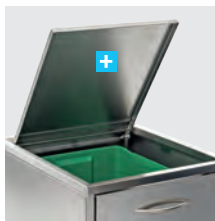
DESIGN	DIMENSIONS			ORDER CODE
	WIDTH mm	DEPTH mm	HEIGHT mm	
Single collector	540	400	785	WSLQ 110
Double collector	1050	400	785	WSLQ 220
Triple collector	1535	400	785	WSLQ 330

Matching bins WSB 5000–WSB 5008 please order separately (see page 139).

CLOSED WASTE COLLECTORS WITH FOOT PEDAL LIDS



WSLT 110



+ A footpedal to open the lid!

These closed waste collectors are equipped with **pedal operated lids**.

For emptying bins or sorting bags, the front door can be pulled out like a drawer. These collectors are equipped with **noise absorbing lid damping**.

On request, the front doors and/or handles are available in a colored, coated design at an additional charge. (RAL color)

// TECHNICAL DESCRIPTION

- + **Material** Stainless steel
- + **Casters** 4 swivel casters, 2 with double brake, Ø 75 mm, with precision ball bearing
- + **Tread** Gray rubber profile
- + **Caster housing** Zinc-chromated



WSLT 202



WSLT 110+WSB 5001



WSLT 101

! Collector depth with pulled out sorting bin is 950 mm.
For combined collectors, the bins are mounted on the outside(s).

DESIGN	NO. OF 50-LITER-BINS*	NO. OF 70-LITER-BAGS	DIMENSIONS WIDTH mm	DEPTH mm	HEIGHT mm	ORDER CODE
Single collector	0	1	430	550	850 (1275)	WSLT 101
	1	0				WSLT 110
Double collector	0	2	825	550	850 (1275)	WSLT 202
	1	1				WSLT 211
	2	0				WSLT 220
Triple collector	0	3	1200	550	850 (1275)	WSLT 303
	1	2				WSLT 312
	2	1				WSLT 321
	3	0				WSLT 330
Quadruple collector	0	4	1575	550	850 (1275)	WSLT 404
	1	3				WSLT 413
	2	2				WSLT 422
	3	1				WSLT 431
	4	0				WSLT 440

*Matching bins WSB 5000–WSB 5008 please order separately (see page 139).

RECYCLING BINS AND LIDS



RECYCLING BINS (50 L)

This line of bins was specially developed for the **Hammerlit waste management system**. This system encompasses in-house transport and waste sorting. The bins are **easily cleanable in any facility**.

// SPECIAL FEATURES

- + Sturdy integrated handles
- + 2 additional integrated handles at the bottom of the bin to facilitate emptying.
- + Integrated molds to accommodate our slide system (see page 142).
- + Drainage holes on edges and handles
- + Stackable, both with and without lids
- + **Material** Polypropylene
- + **Dimensions** 305 x 445 x 515 mm (W x D x H)



LIDS

We recommend that all bins should have lids. The Hammerlit lid is made of shock-resistant antistatic polymer (ABS). The integrated handle is easy to clean and allows ergonomic handling.

Lids are available in the following two versions:



- + **Lids with integrated hook (D 60-D 68)**
The inside of the lid is equipped with a hook to allow the lid to be hanged on the bin when opened.



- + **Lids with integrated hinge (DT 60-DT 68)**
This **Hammerlit lid version** is equipped with an integrated on-piece molded hinge. This eliminates spaces in which dirt can accumulate.



Unlike other similar lids in the industry, the Hammerlit lids are equipped with an **overload security device**, which prevents the hinge from breaking under stress.

COLOR	ORDER CODE BIN	ORDER CODE LID	ORDER CODE HINGED LID	ORDER CODE BIN WITH HINGED LID
white	WSB 5000	D 60	DT 60	WSB 5060
green	WSB 5001	D 61	DT 61	WSB 5061
blue	WSB 5002	D 62	DT 62	WSB 5062
red	WSB 5003	D 63	DT 63	WSB 5063
yellow	WSB 5004	D 64	DT 64	WSB 5064
brown	WSB 5005	D 65	DT 65	WSB 5065
gray	WSB 5007	D 67	DT 67	WSB 5067
black	WSB 5008	D 68	DT 68	WSB 5068

! For optimum hygiene, we recommend the bins to be used with our transparent plastic bags (order number P50) (see page 145), if the bins are not washed during each cycle!

BIN CARRIER haliroll®, STAINLESS STEEL



WSR 531



WSR 532



2x WSR 532 coupled



WSR 531, WSB 5000, D 60



WSR 532, WSB 5001/5002, D 61+62



WSR 533, WSB 5001/5002/5000, D 61+62+60

- With the haliroll bin carrier the Hammerlit recycling bins can be used as independent, **mobile collecting units**. The carriers can be joined together to make various units. This combination – consisting of bins and haliroll carriers – makes it possible to easily assemble a **practical collecting unit**. No tools or screws are needed to join the carriers.
- The construction enables one carrier to simply be hitched to another one.
- The **bin carrier** is made of **stainless steel wire**, extremely strong and easy to clean. It is equipped with four swivel casters, 2 with brake, Ø 50 mm, gray rubber profile and galvanized chrome-plated caster housings.

// INFORMATION

Each haliroll® bin carrier has a storage slot on the side to hold a lid. The stop casters are on the front.

! Polymer bins and lids see page 139, labels on page 144, plastic bags P 50 on page 145.

CONSTRUCTION	DIMENSIONS			ORDER CODE
	WIDTH mm	DEPTH mm	HEIGHT mm	
Single carrier, without bins	370	340	185	WSR 531
Double carrier, without bins	670	340	185	WSR 532
Triple carrier, without bins	995	340	185	WSR 533

Bin carriers with pedal mechanism to accommodate 1, 2, 3 or even 4 series 5000 WSB bins (see also page 139).

// TECHNICAL DESCRIPTION

- + **Material** Stainless steel
- + **Casters** 4 swivel casters, 2 with brake, Ø 75 mm, with precision ball bearing
- + **Tread** Gray, non-marking rubber profile
- + **Caster housing** Zinc-chromated

WSBF 1LT+WSB 5003+DT63



CONSTRUCTION	DIMENSIONS			ORDER CODE	ORDER CODE WITH LID DAMPING
	WIDTH mm	DEPTH mm	HEIGHT mm		
Single collector	400	500	720	WSBF 1LT	WSBF 1LTD
Double collector	765	500	720	WSBF 2LT	WSBF 2LTD
Triple collector	1115	500	720	WSBF 3LT	WSBF 3LTD
Quadruple collector	1465	500	720	WSBF 4LT	WSBF 4LTD

Please order lids and recycling bins separately!



WSN 1300



WSN 1400



WSN 1500

- The basic models of the **halinorm®** series differ in size and the number of containers
- Two (300 x 400 mm) containers can be used instead of one (600 x 400 mm) container
- 4 swivel casters, 2 with double brake



WSN 2100



WSN 2200



WSN 2300



WSN 2400



WSN 2500



WSN 4100



WSN 4200



WSN 4300



WSN 4400



WSN 4500

// INFORMATION

All containers have to be ordered separately.
The labels and containers shown in the illustration are not included with the collectors (see page 144 for label ordering information).
When placing an order, please specify the color of the containers.

„Standard models are equipped with upper frames and cover plates.“

CONTAINER DIMENSIONS mm	DIMENSIONS OF COLLECTOR			NO. OF POLYMER CONTAINERS		ORDER CODE
	WIDTH mm	DEPTH mm	HEIGHT mm	HEIGHT 325 mm	HEIGHT 220 mm	
Size 1 300 x 400	390	455	1160	1x WSNK 343*	2x WSNK 342*	WSN 1300
	390	455	1070		3x WSNK 342*	WSN 1400
	390	455	1025	2x WSNK 343*		WSN 1500
Size 2 400 x 600	490	645	1370	3x WSNK 463*		WSN 2100
	490	645	1270	2x WSNK 463*	1x WSNK 462*	WSN 2200
	490	645	1160	1x WSNK 463*	2x WSNK 462*	WSN 2300
	490	645	1070		3x WSNK 462*	WSN 2400
	490	645	1025	2x WSNK 463*		WSN 2500
Size 3 2x 300 x 400 (not shown)	700	455	1370	6x WSNK 343*		WSN 3100
	700	455	1270	4x WSNK 343*	2x WSNK 342*	WSN 3200
	700	455	1160	2x WSNK 343*	4x WSNK 342*	WSN 3300
	700	455	1070		6x WSNK 342*	WSN 3400
	700	455	1025	4x WSNK 343*		WSN 3500
Size 4 2x 400 x 600	895	645	1370	6x WSNK 463*		WSN 4100
	895	645	1270	4x WSNK 463*	2x WSNK 462*	WSN 4200
	895	645	1160	2x WSNK 463*	4x WSNK 462*	WSN 4300
	895	645	1070		6x WSNK 462*	WSN 4400
	895	645	1025	4x WSNK 463*		WSN 4500

Please replace * by colorcode 0 to 7 (see page 144).

RECYCLING COLLECTORS STRAUBING PLUS, STAINLESS STEEL



The **Straubing plus** series offers a variety of possibilities.

These carts are available from single up to quadruple wide units. Every unit has slides to accommodate one 50 liter bin.

An optional grip ring assembly for holding bags and nets can also be added to any bay. These assemblies are equipped with hinged lids and the Hammerlit HR 2000 grip ring. Since these assemblies can be added and removed easily, the units can be re-configured at will to suit your changing needs.

Bag and net holder assemblies are also available for mounting on the front side of the units.

As an option, the carts can be equipped with an optional **foot pedal mechanism and lid damping** (cf. page 64).

- All models consist of stainless steel frames, 4 swivel casters, 2 with brake, Ø 75 mm, precision ball bearing, gray rubber profile and corner bumpers

// INFORMATION

Matching lids, containers, bins and adhesive labels for lids see page 139 and 144. Please order separately!

BOTTOM PLATES*

The collectors shown in the above table are without bottom plate. All collectors are also available with a removable antistatic white bottom plate (ABS).



*Bottom plates not available in combination with pedal mechanism.

DESIGN	DIMENSIONS			ORDER CODE WITH NUMBER OF POLYMER BINS					ORDER CODE BOTTOM PAN
	WIDTH mm	DEPTH mm	TOTAL HEIGHT mm	WITHOUT	ONE	TWO	THREE	FOUR	
Single collector	515	490	940*	WSP 100	WSP 110				PWS 100
Wall-mounted collector	450	380	290	WSP 109	WSP 119				
Double collector	850	490	940*	WSP 200	WSP 210	WSP 220			PWS 200
Triple collector	1190	490	940*	WSP 300	WSP 310	WSP 320	WSP 330		PWS 300
Quadruple collector, linear	1530	490	940*	WSP 400	WSP 410	WSP 420	WSP 430	WSP 440	PWS 400
Fivefold collector	1880	490	940*	WSP 500	WSP 510	WSP 520	WSP 530	WSP 540	PWS 400
Sixfold collector	2210	490	960**	WSP 600	WSP 610	WSP 620	WSP 630	WSP 640	PWS 400

*Height incl. push handle: 870 mm; **Height incl. push handle: 890 mm

■ Lids and bins see page 139! Please order separately!

RECYCLING COLLECTORS STRAUBING PLUS, STAINLESS STEEL



Added versatility to the **Straubing plus** line can be achieved by combining it with our WSA collectors as shown below.

All versions of the Straubing plus collector can be equipped with this add-on unit at each side.

MODEL	ORDER CODE
Add-on collector unit for 1 container WSNK 341, WSNK 342, WSNK 343	WSA 13

+ Add-on collector unit WSA 13

! Lids and bins see page 139! Please order separately!



+ Cut-out openings

Every bay of the **Straubing plus** collector is covered by a **hinged lid**. These are available in a wide range of colors (see page 74). Please order the lids separately.

The lids are **easily cleanable** due to their smooth surface. All lids can also be ordered **with cut-out openings** in **circular or oval** shape, to accommodate specific types of waste.

These cut-out openings offer the following advantages:

- The lid does not have to be lifted to dispose of items
- The opening has the approximate shape and size of the goods to be disposed of (e.g. oval for paper and round for bottles), in addition to the color coding and labeling of the lids, this provides extra security for efficient waste sorting

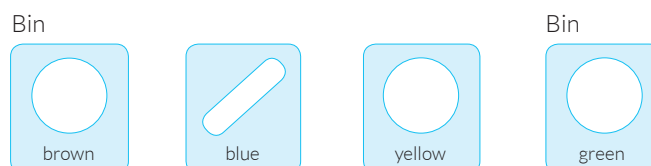
For some types of waste, for example flowers or miscellaneous waste, a cut-out opening of this kind is neither recommended nor practical. For such applications, we recommend a hinged lid without opening.

The number of grip rings is calculated by deducting the number of bins from the total number of bays. E.g. the fivefold collector with two bins has 3 grip rings.

! Please remember to specify in your order:

- Colors of lids
- Shape of opening
- Arrangement of lids
- Colors of containers

We recommend to include a small diagram (e.g. **Quadruple collector WSP 420**)





POLYMER CONTAINERS

POLYMER CONTAINERS FOR halinorm® SYSTEM AND FOR STRAUBING PLUS

Five different sizes of containers are available in a variety of heights, widths and depths.

There is also a choice of **6 colors** and adhesive labels available for different categories of waste.

Matching lids for polymer containers are available in a gray color:

Loose lid 300 x 400 mm: **WSND34**, hinged lid **WSND34S**

Loose lid 400 x 600 mm: **WSND46**, hinged lid **WSND46S**

DIMENSIONS				ORDER CODE FOR EACH COLOR					
WIDTH mm	DEPTH mm	HEIGHT mm	CAPACITY l	WHITE (0)	GREEN (1)	BLUE (2)	RED (3)	YELLOW (4)	GRAY (7)
300	400	125	12						WSNK 3417
300	400	220	21	WSNK 3420	WSNK 3421	WSNK 3422	WSNK 3423	WSNK 3424	WSNK 3427
300	400	325	31	WSNK 3430	WSNK 3431	WSNK 3432	WSNK 3433	WSNK 3434	WSNK 3437
400	600	220	45	WSNK 4620	WSNK 4621	WSNK 4622	WSNK 4623	WSNK 4624	WSNK 4627
400	600	325	66	WSNK 4630	WSNK 4631	WSNK 4632	WSNK 4633	WSNK 4634	WSNK 4637

ADHESIVE LABELS Size 160 x 40 mm, adhesive.

COLOR	TEXT	ORDER CODE
white	Glass	EKN 10
white	Brown glass	EKN 11
white	Green glass	EKN 12
white	Clear glass	EKN 13
white	Colored glass	EKN 14
white	Plastic	EKN 20
white	Foils	EKN 21
white	Metal	EKN 30
white	Refundables	EKN 39

COLOR	TEXT	ORDER CODE
white	Aluminum	EKN 31
white	Misc. waste	EKN 40
white	Flowers	EKN 41
white	Paper	EKN 42
white	I. V. bags	EKN 19
white	Biodegradables	EKN 45
white	Waste	EKN 43
white	Compost	EKN 48
white	Batteries	EKN 38

COLOR	TEXT	ORDER CODE
green	Glass	EKN 101
blue	Paper	EKN 422
yellow	Plastic	EKN 204
brown	Biodegradables	EKN 455
gray	Misc. waste	EKN 407
white	Green point	EKN DSD
white Ø	Green point	EKB DSD
Custom labeling available		

DOLLY FRAMES, STAINLESS STEEL

WSN 146+WSNK 4630



WSN 234+WSNK 3420



Stainless steel dolly frames for easy transport of WSNK polymer containers (see above).

// TECHNICAL DESCRIPTION

- + Casters 4 swivel casters, 2 with double brake, Ø 75 mm, gray rubber profile
- + Caster housing Zinc-chromated

DOLLY FRAMES SUITABLE FOR POLYMER CONTAINERS	ORDER CODE FOR 1 CONTAINER	1 CONTAINER WIDTH mm	ORDER CODE FOR 2 CONTAINERS	2 CONTAINER WIDTH mm	ORDER CODE FOR 3 CONTAINERS	3 CONTAINER WIDTH mm	DEPTH mm	HEIGHT*
WSNK 342 or WSNK 343	WSN 134	310	WSN 234	620	WSN 334	930	410	140
WSNK 462 or WSNK 463	WSN 146	410	WSN 246	820	WSN 346	1230	610	140

*Without container Containers see above

RECYCLING COLLECTORS haliwert, STAINLESS STEEL



// TECHNICAL DESCRIPTION

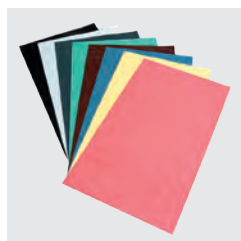
- + **Frame** Collector carrier
- + **Casters** 4 swivel casters, Ø 50 mm, gray rubber profile
- + **Caster housing** Zinc-chromated

// INFORMATION

Delivery without labels. Please order separately. (see page 144)

BINS CAP. OF BINS I	NO. OF BINS	DIMENSIONS		HEIGHT WITHOUT LID mm	HEIGHT WITH LID mm	HEIGHT OPEN LID mm	BINS AND LIDS WHITE		BINS AND LIDS LIGHT GRAY	
		WIDTH mm	DEPTH mm				ORDER CODE WITHOUT HINGED LID	ORDER CODE WITH HINGED LID	ORDER CODE WITHOUT HINGED LID	ORDER CODE WITH HINGED LID
9	2	410					HLW 920 F	HLW 921 F	HLW 9207 F	HLW 9217 F
	3	550	365	385	425	600	HLW 930 F	HLW 931 F	HLW 9307 F	HLW 9317 F
	4	740					HLW 940 F	HLW 941 F	HLW 9407 F	HLW 9417 F
14	2	450					HLW 20 F	HLW 21 F	HLW 207 F	HLW 217 F
	3	630	390	455	505	700	HLW 30 F	HLW 31 F	HLW 307 F	HLW 317 F
	4	840					HLW 40 F	HLW 41 F	HLW 407 F	HLW 417 F
9	1	170	275	265	315	475	WSB 5090H	WSB 5190H	WSB 5097H	WSB 5197H
14	1	200	325	330	390	585	WSB 4040H	WSB 4140H	WSB 4047H	WSB 4147H

ALTERNATIVE BINS CAP. OF BINS I	NO. OF BINS	DIMENSIONS		HEIGHT WITHOUT LID mm	HEIGHT WITH LID mm	HEIGHT OPEN LID mm	BINS AND LIDS WHITE		BINS AND LIDS LIGHT GRAY	
		WIDTH mm	DEPTH mm				ORDER CODE WITHOUT HINGED LID	ORDER CODE WITH HINGED LID	ORDER CODE WITHOUT HINGED LID	ORDER CODE WITH HINGED LID
9	1	170	275	265	315	475	WSB 5090H	WSB 5190H	WSB 5097H	WSB 5197H
14	1	200	325	330	390	585	WSB 4040H	WSB 4140H	WSB 4047H	WSB 4147H



Plastic bags

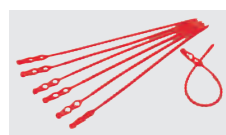


Drill-twister MS 02K
Wire loops MS 03

ACCESSORIES FOR SORTING OUT RECYCLING MATERIAL

PLASTIC BAGS - POLYETHYLENE, COVERED COLORING

SIZE WIDTH x DEPTH mm	GAUGE mm	UNIT/ Pckg.	ORDER CODE FOR EACH COLOR							
			GREEN	BLUE	RED	YELLOW	BROWN	GRAY	BLACK	
450 x 500	0.04	1000	P 2 BLAU							
400 x 600	0.06	500	P 3 BLAU							
500 x 800	0.06	250	P 4 BLAU		P 4 ROT					
580 x 1000	0.06	250	P 12 BLAU							
600 x 1000	0.05	250	P 71	P 72	P 73	P 74	P 75	P 77	P 78	
700 x 1100	0.06	250	P 20 BLAU							
630 x 800	0.02	720	transparent for WSB 5000 ff							P 50
600 x 1000	0.08	200	PS 12-01 transparent with printing „Safety transport for infectious laundry“							



All-plastic fasteners
MS 04 ROT

! Drill-twister and wire loops see page 127,
sorting nets see page 89!