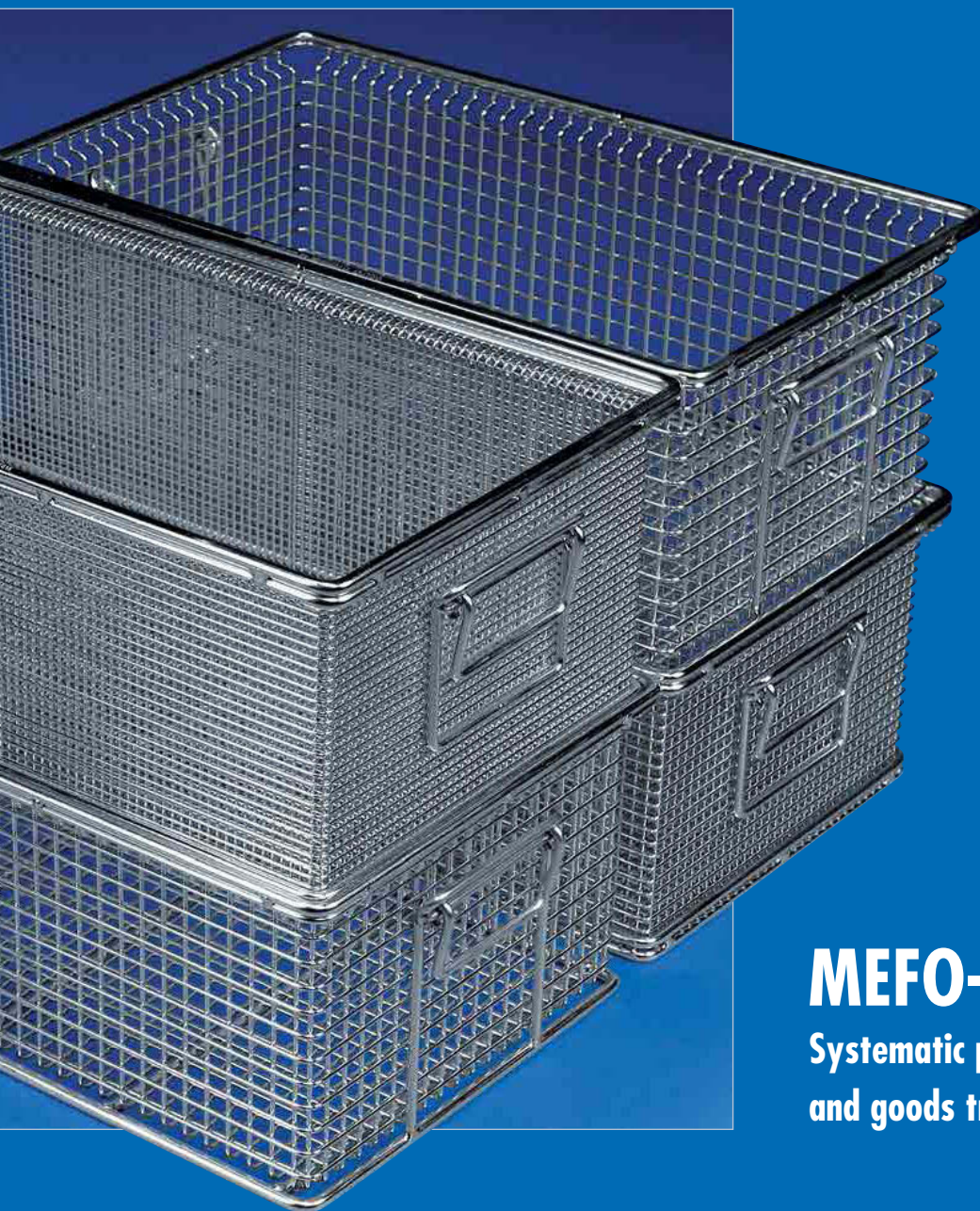


METALLFORM



MEFO-BOX

Systematic parts cleaning
and goods transport

More than just cleaning and transport baskets

Metallform has been manufacturing cleaning and transport baskets for about 40 years. These products and systems continuously set new benchmarks in the market. This is based on our extensive know-how and many years of experience in industrial parts cleaning and in the processing of stainless steel wire and the resulting unsurpassed quality of our products and systems.

We use our specific knowledge to develop cleaning baskets and workpiece holders which are optimally matched to our customers' requirements and provide genuine added value: The products enable to efficiently meet the continuously increasing cleanliness requirements, to minimise costly manual part transfer operations and to optimise internal logistics.

The quick amortisation of your investment in our products is a quality criterion for us and therefore a must.









Profitability starts with consulting

Quality and efficiency of component cleaning depend crucially on the cleaning container. Incorporating baskets and workpiece holders into the planning or optimisation of cleaning processes at an early stage is therefore worthwhile. The framework conditions under which you work with the container are of interest to us in the first place. This knowledge ensures that it is technically and economically adapted to your cleaning and transport tasks.

As long as your requirements allow, we recommend standard products and components such as the MEFO-BOX system which is available for all standard dimension working chambers of the cleaning machine manufacturers. This offers you notable advantages, including immediate ex stock availability as well as compatibility with standard boxes and baskets. In addition, the MEFO-BOX system components are more cost-effective than customised solutions.

Last but not least, the MEFO-BOX system can be extended and supplemented at any time according to your requirements — with additional standard components such as the flexible MEFO-VARIO or customised accessories and workpiece holders.

The cleaning baskets influences parts cleanliness and process efficiency

Beyond the basket

The cleaning basket is the link between component and cleaning machine as well as logistics and automation. It therefore directly influences the efficiency and effectiveness of parts cleaning. These factors directly impact upon the clean results and cost of the cleaning process.

In order to achieve the required parts cleanliness as fast as possible and thus minimise the unit costs of cleaning, optimum accessibility of the medium and mechanics of the cleaning machine, e.g. spray jet, ultrasonics to the parts is indispensable. For that reason, we manufacture our cleaning baskets from rounds without sheet metal frame and angle. In contrast to the boxes made from sheet or perforated sheet metal, which are still frequently used, they offer good accessibility from all sides. This openness allows the parts to be optimally reached from all sides by the medium as well as mechanics of the cleaning machine.

Furthermore, it ensures that contamination is removed quickly and completely and no dirt traps can form in the basket. In addition, the round material ensures a better draining behaviour. This not only accelerates drying but also reduces carry-over of cleaning medium and dirt. The round bars also reduce the contact surfaces between the component and the container. This reduces the risk that contamination or cleaning medium will adhere to the contact surfaces or that the components do not completely dry at these surfaces, resulting in stains which lead to costly rework or rejects.

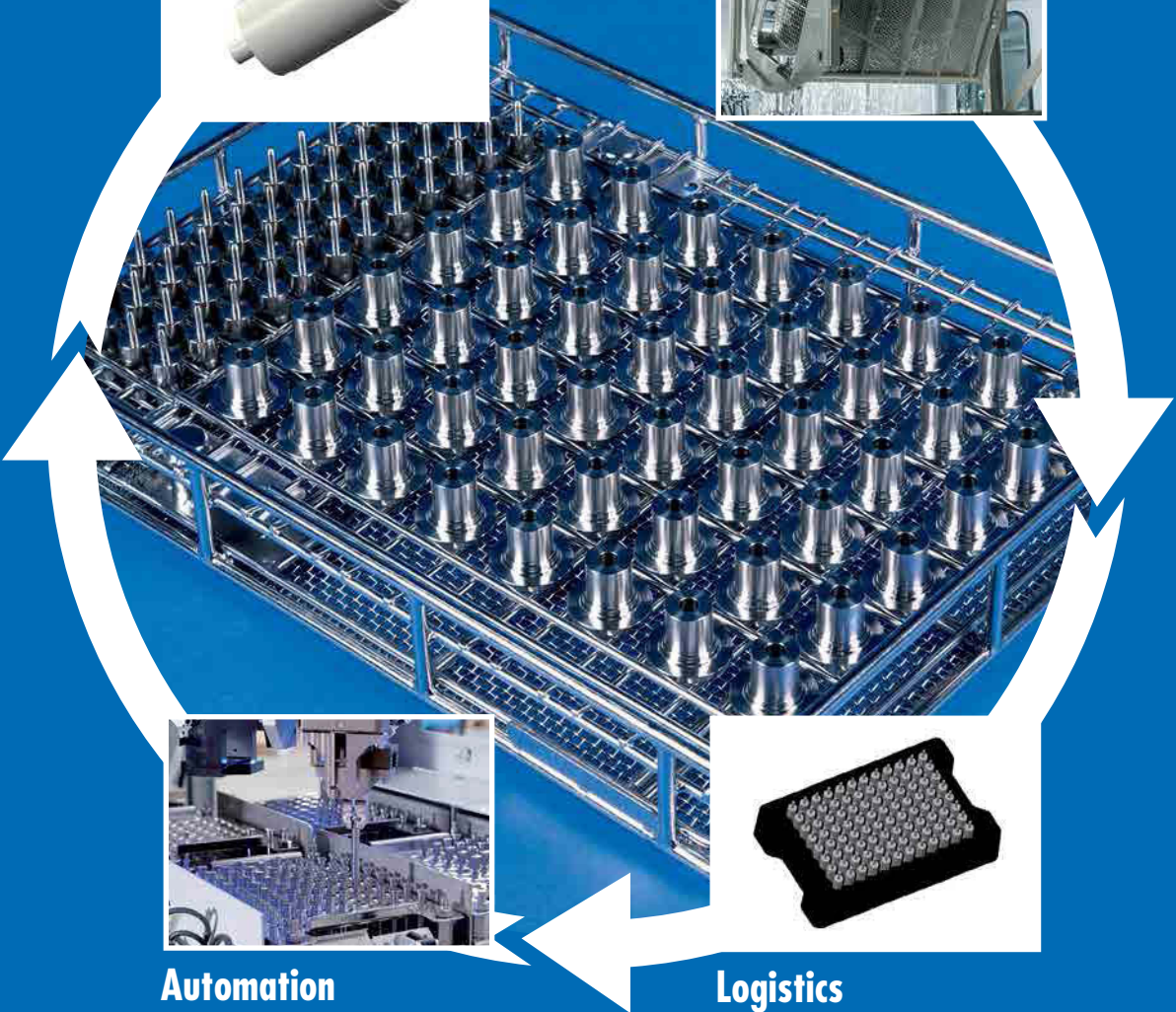
Openness that pays off

With these characteristics, our cleaning baskets help to make cleaning processes as efficient as possible, to reduce energy consumption, to extend the service life of the baths and thus to increase plant availability. It also enables shorter cleaning cycles or throughput increases, which significantly reduce the unit costs of cleaning.

Component



Cleaning machine



Automation

Logistics

Top quality accepts no compromises

Our cleaning and transport baskets are made of stainless steel with an electropolished, extremely smooth surface. Therefore, the durable containers can be used for both aqueous media and solvents. The high-quality material prevents re-contamination from the basket / workpiece holder to the component as well as contamination of the baths caused by corrosion or zinc deposits. Last but not least, the high-quality gloss of the MEFO-BOX components often leads to a more careful handling during everyday operation.

Integrated occupational safety

All joints are completely welded and there are no "sharp" corners, edges or wire ends that could cause injury.

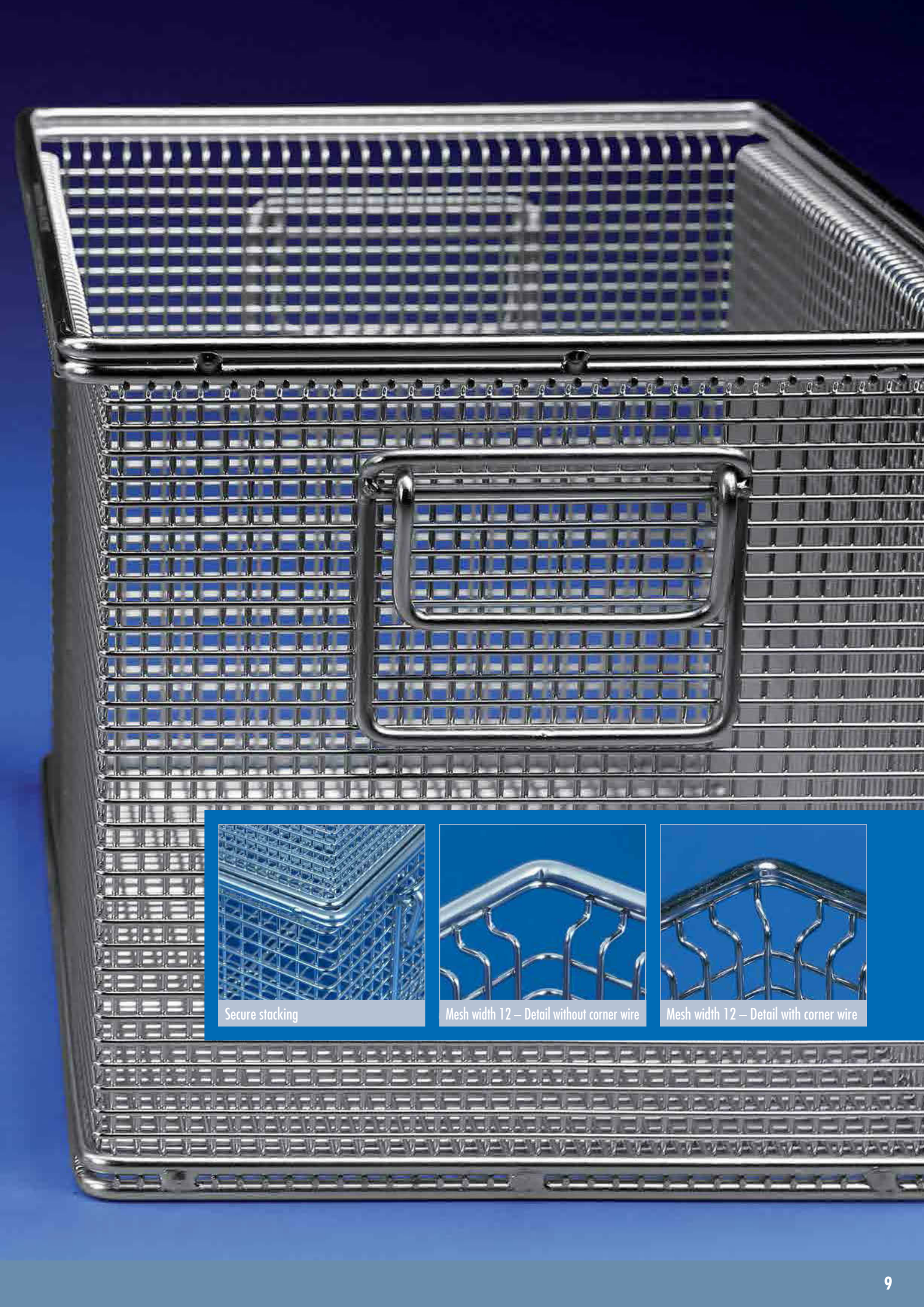
Secure stacking and separation

A further quality feature of the cleaning baskets is their stacking frame of 16 mm, which corresponds to common transport containers. It ensures that the baskets can be stacked securely on top of each other for in-house transport and prevents them from shifting or jumping out of the frame during a jerk, push or jolt. The high stacking frame also offers advantages in the separation of the baskets on the automatic loading and unloading device of the cleaning machine. In this case, it ensures that the required distance between the baskets is provided for a faultless function of the interchange mechanism which releases the first basket for entry into the working chamber and retains the following.

Corner wires if required

For design reasons, baskets in mesh width 12 mm have larger openings at the corners. In the few cases where it is necessary, we reduce this mesh with an additional corner wire. The most popular MEFO-BOXes are available in small quantities from stock in this version. They are marked with „E“ after the part number.





Secure stacking



Mesh width 12 – Detail without corner wire



Mesh width 12 – Detail with corner wire

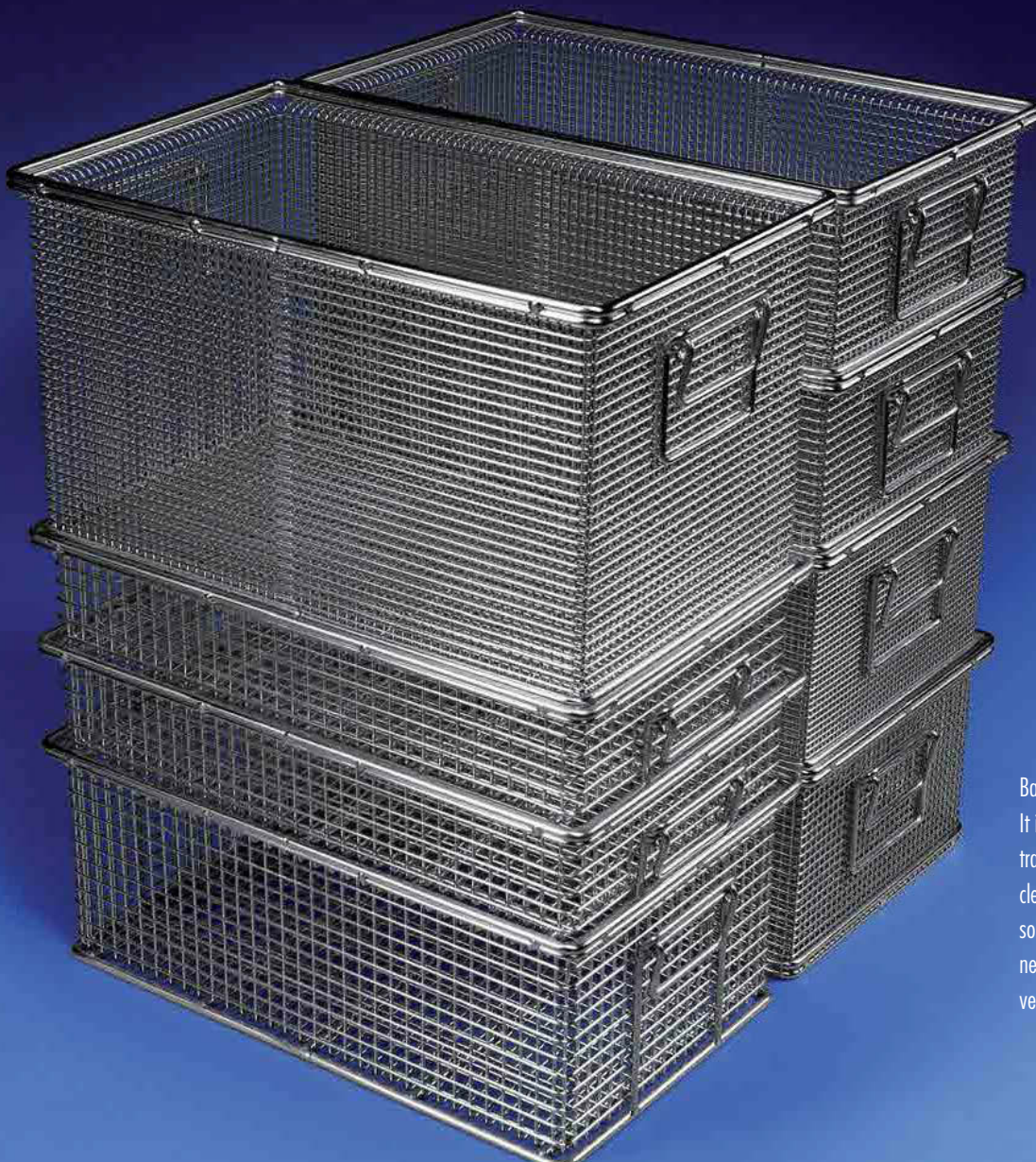
The MEFO-BOX system – the optimal solution for countless cleaning and transport tasks

A container optimised for cleaning does not improve a cleaning machine, but it ensures that the process technology – which is often costly – unfolds its force at its best and that the cleaning process can be carried out with maximum efficiency and process reliability.

This is exactly what the MEFO-BOX system is all about: components designed to meet your needs which are available in a unique variety ex stock. They enable you to perform the entire component handling - from manufacturing, through intermediate and final cleaning to assembly or dispatch - simply, quickly, without part damage and cost-saving.

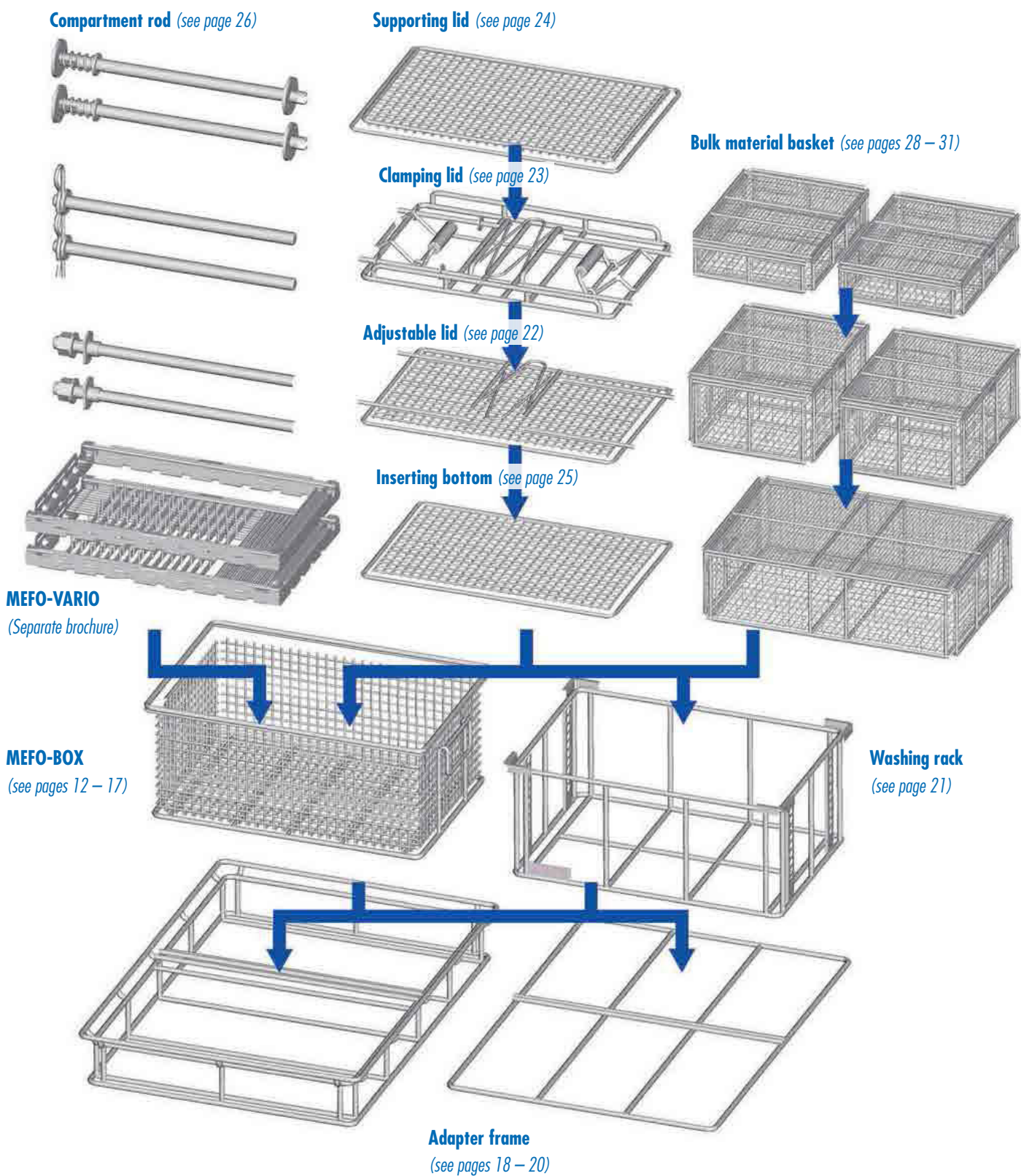
To meet your individual requirements, the MEFO-BOX system is available in different series:

- The dimensions of the Standard series are designed for use with „Schäfer“ boxes.
- The inside dimensions of the Euro series are based on the inside dimensions of small load carrier systems (KLT).
- The Special series are based on customer requirements (e.g. BOSCH standard) and have been added to the standard range.



Basis of the versatile system is the MEFO-BOX. It is compatible with all common cleaning and transport containers and can be used with all cleaning agents, e. g. water-based media and solvents. The MEFO-BOX fulfills your specific needs by different sizes, mesh widths and versions.

Components of the MEFO-BOX system





MEFO-BOX mesh width 4

MEFO-BOX mesh width 6

MEFO-BOX

Standard version

The standard version of the MEFO-BOX as well as all accessories are available matched with the dimensions of the Standard series, Euro series and Special series.

In the Standard and Euro series, the most popular MEFO-BOXes and accessories are available in mesh widths 6 mm and 12 mm some also in mesh width 4 mm.

In the Special series some MEFO-BOXes are only available in mesh width 12 mm and the range of accessories is limited. Drop handles can only be used for manual handling.

STANDARD SERIES

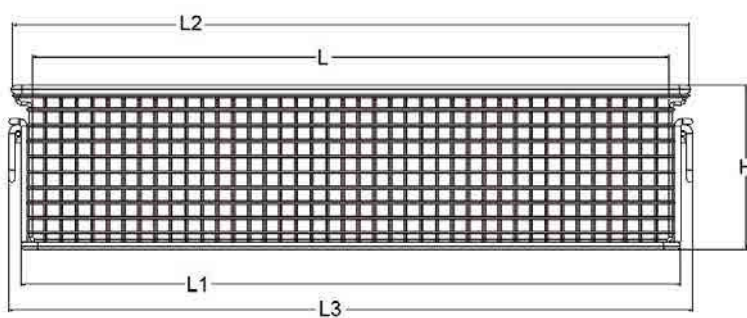
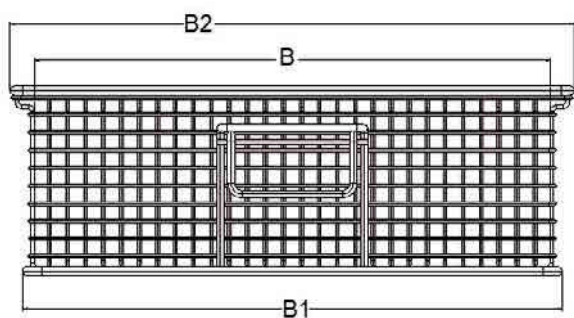
Part No.	Mesh width			Outside dimension L2 x B2 x H	Roller conv. dim. L1 x B1	Weight (kg)					Load capacity (kg)	Stacking capacity (kg)
	MW					MW4	MW6	MW12/12-E	MW4MW6	MW12/12-E		
MF4007/...	6	12	12-E	371 x 221 x 200	352 x 203		334 x 185	332 x 182	4,4	2,6	30	300
MF4001/...	4	6	12	471 x 321 x 108	452 x 303	434 x 285	434 x 285	430 x 28	4,7	4,5	80	400
MF4002/...	6	12	12-E	471 x 321 x 120	452 x 303		434 x 285	430 x 280	4,3	3,8	80	400
MF4008/...	6	12		471 x 321 x 158	452 x 303		434 x 285	430 x 280	5,5	5,3	80	400
MF4003/...	4	6	12	471 x 321 x 200	452 x 303	434 x 285	434 x 285	430 x 280	5,8	5,8	80	400
MF4004/...	6	12		471 x 321 x 300	452 x 303		434 x 285	430 x 280	7,0	5,9	80	400
MF4012/...		12		521 x 321 x 108	502 x 303			480 x 280		4,0	80	400
MF4013/...	6			521 x 321 x 158	502 x 303		484 x 285		6,0		80	400
MF4005/...	4	6	12	521 x 321 x 200	502 x 303	484 x 285	484 x 285	480 x 280	6,2	6,3	80	400
MF4015/...		12		521 x 321 x 250	502 x 303			480 x 280		5,5	80	400
MF4014/...	6			521 x 321 x 300	502 x 303		484 x 285		8,0		80	400
MF4009/...	6	12		651 x 471 x 158	632 x 450			610 x 430	9,3	6,7	110	600
MF4006/...	6	12	12-E	651 x 471 x 300	632 x 450		611 x 431	610 x 430	11,7	9,0	110	600
MF4011/...	6	12		651 x 471 x 400	632 x 450		611 x 431	610 x 430	23,1	12,0	110	600



MEFO-BOX mesh width 12



MEFO-BOX mesh width 12-E



Note: $L3 = L2 + 8$ (MW6); $L3 = L2 + 4$ (MW12)

EURO SERIES

Part No.	Mesh width	Outside dimension L2 x B2 x H	Roller conv. dim. L1 x B1	Inside dimension L x B		Weight (kg)		Load capacity (kg)	Stacking capacity (kg)
	MW			MW6	MW12	MW6	MW12		
MF4101/...	6 / 12	408 x 308 x 108	389 x 287	371 x 269	367 x 267	3,6	3,1	80	400
MF4109/...	12	408 x 308 x 158	389 x 287		367 x 267		3,2	80	400
MF4102/...	6 / 12	408 x 308 x 200	389 x 287	371 x 269	367 x 267	5,2	4,1	80	400
MF4103/...	6 / 12	408 x 308 x 300	389 x 287	371 x 269	367 x 267	5,8	5,0	80	400
MF4107/...	12	408 x 308 x 400	389 x 287		367 x 267		5,0	80	400
MF4104/...	12	608 x 408 x 108	589 x 387		567 x 367		5,0	110	600
MF4110/...	12	608 x 408 x 158	589 x 387		567 x 367		5,8	110	600
MF4105/...	12	608 x 408 x 200	589 x 387		567 x 367		6,2	110	600
MF4108/...	6 / 12	608 x 408 x 300	589 x 387	571 x 369	567 x 367	11,0	7,6	110	600
MF4106/...	12	608 x 408 x 400	589 x 387		567 x 367		9,0	110	600

SPECIAL SERIES

Part No.	Mesh width	Outside dimension L2 x B2 x H	Roller conv. dim. L1 x B1	Inside dimension L x B		Weight (kg)		Load capacity (kg)	Stacking capacity (kg)
	MW			MW6	MW12	MW6	MW12		
MF4402/...	12	659 x 479 x 337	659 x 479		610 x 430		10,0	110	600



MEFO-BOX version for heavy loads

MEFO-BOX

Version for heavy loads

The MEFO-BOX version for heavy loads was developed specifically for cleaning and transporting large and heavy parts. The use of thicker rounds (wire diameter 4 mm compared to wire diameter 3 mm for the standard version) allows you to achieve higher load and stacking capacities. The MEFO-BOX version for heavy loads is available in mesh width 12 mm. The adjustable lid is also available in the version for heavy loads as an accessory. In addition - depending on the load - the inserting bottom (mesh width 12 mm) and clamping lid as well as the compartment rods with cotter pin (S-E) or nut (M-E) in the standard version may also be used with the MEFO-BOX for heavy loads.

STANDARD SERIES

Part No.	Mesh width	Outside dimension		Roller conv. dim.	Inside dimension	Weight	Load	Stacking
	MW	L2 x B2 x H	L3	L1 x B1	L x B	(kg)	capacity (kg)	capacity (kg)
MF4006/12-SL	12	651 x 471 x 300	651	632 x 450	608 x 428	14,0	200*	900
MF4011/12-SL	12	651 x 471 x 400	651	632 x 450	610 x 428	18,1	200*	900

* The load must be evenly arranged.



MEFO-BOX lined version

MEFO-BOX

Lined version

The lined MEFO-BOX has been designed for cleaning and transporting small parts in large quantities. It is based on the standard version in mesh width 12 mm. The MEFO-BOX and the matching supporting lid (included in delivery) which is equipped with a special sealing frame are both lined with wire fabric in mesh width 1, 2 or 3 mm. Adjustable or clamping lids may not be used with lined MEFO-BOXes and lined MEFO-BOXes are not stackable with the lid. If a cleaning charge is composed of several MEFO-BOXes, intermediate layers must be used. In case of rotating cleaning operation, these boxes may only be used in cleaning machines with automatic lid, otherwise they have to be equipped with camloc snap-closings. Lined MEFO-BOXes with lid can be up to 5 mm and stacked baskets with intermediate layer up to 10 mm higher than the nominal height. For small parts in smaller batches, we recommend to use bulk material baskets. These baskets allow you to pool small volumes of different small parts to one charge (MEFO-BOX) without intermixing the different parts.

For small parts in smaller quantities, we recommend to use bulk material baskets. This allows small quantities of different small parts to be combined into one charge (MEFO-BOX), without intermixing different parts.

STANDARD SERIES

Part No.	Mesh width	Outside dimension		Roller conv. dim. L1 x B1	Weight* (kg)	Load capacity (kg)	Stacking capacity (kg)
	MW	L2 x B2 x H	L3				
MF4007/12/...	1 / 2 / 3	371 x 221 x 200	525	352 x 203	5,4	30	300
MF4001/12/...	1 / 2 / 3	471 x 321 x 108	475	452 x 303	—	80	400
MF4003/12/...	1 / 2 / 3	471 x 321 x 200	475	452 x 303	8,3	80	400
MF4012/12/...	1 / 2 / 3	521 x 321 x 108	525	502 x 303	—	80	400
MF4005/12/...	1 / 2 / 3	521 x 321 x 200	525	502 x 303	15,8	80	400
MF4009/12/...	1 / 2 / 3	651 x 471 x 158	655	632 x 450	—	110	600
MF4006/12/...	1 / 2 / 3	651 x 471 x 300	655	632 x 450	15,8	110	600

EURO SERIES

Part No.	Mesh width	Outside dimension		Roller conv. dim. L1 x B1	Weight (kg)	Load capacity (kg)	Stacking capacity (kg)
	MW	L2 x B2 x H	L3				
MF4109/12/...	1 / 2 / 3	408 x 308 x 158	412	389 x 287	—	80	400
MF4102/12/...	1 / 2 / 3	408 x 308 x 200	525	389 x 287	—	80	400
MF4103/12/...	1 / 2 / 3 / 4	408 x 308 x 300	525	389 x 287	—	80	400
MF4105/12/...	1 / 2 / 3	608 x 408 x 200	612	589 x 387	—	110	600
MF4108/12/...	1 / 2 / 3	608 x 408 x 300	612	589 x 387	—	110	600

* All weights including supporting lid



Adapter frame (single-lane)

Adapter frame

The adapter frame makes allows to adapt several, different sized MEFO-BOXes to the optimal charge dimension, which guarantees the best possible use of the cleaning machine. For the Standard series, the adapter frame increases the charge to the size of the MEFO-BOX MF4015/... (521 x 321 x 250 mm), the MEFO-BOX MF4006/... (651 x 471 x 300 mm) or the MEFO-BOX MF4011/... (651 x 471 x 400 mm)

MEFO-BOXes of the Euro series in different sizes are adapted to the outside dimension 626 x 408x 300 mm by using an adapter frame. This is almost the same as the outside dimension of the MEFO-BOX MF4108/... (608 x 408 x 300 mm). Thus, the maximum dimension of the charge at the stacking frame is 626 mm.

STANDARD SERIES

Adaption to the charge dimension of the MEFO-BOX MF4006/... (Height 300 mm)

Part No.	Outside dimension L x B x H	Roller conveyor dim. L x B	Weight (kg)	suitable for Part No.	Position of MEFO-BOXes
MF4070/01	651 x 471 x 8	632 x 450	1,7	MF4001/...	2 baskets next to each other, 3 baskets on top of each other
MF4070/02	651 x 471 x 92	632 x 450	4,9	MF4002/...	2 baskets next to each other, 2 baskets on top of each other
MF4070/07	670 x 471 x 116	632 x 450	6,1	MF4007/...	3 baskets next to each other
MF4070/13	651 x 471 x 116	632 x 450	5,0	MF4001/..., MF4003/...	MF4001/...: 2 baskets next to each other, 2 baskets on top of each other MF4003/...: 2 baskets next to each other

Adaption to the charge dimension of the MEFO-BOX MF4011/... (Height 400 mm)

Part No.	Outside dimension L x B x H	Roller conveyor dim. L x B	Weight (kg)	suitable for Part No.	Position of MEFO-BOXes
MF4070/13	651 x 471 x 116	632 x 450	5,0	MF4004/..., MF4008/...	MF4004/...: 2 baskets next to each other MF4008/...: 2 baskets next to each other, 2 baskets on top of each other
MF4071/02	651 x 471 x 88	632 x 450	4,8	MF4002/...	2 baskets next to each other, 3 baskets on top of each other
MF4071/13	632 x 450 x 22,5	632 x 450	3,6	MF4001/..., MF4003	MF4001/...: 2 baskets next to each other, 4 baskets on top of each other MF4003/...: 2 baskets next to each other, 2 baskets on top of each other
MF4071/69	651 x 471 x 116	632 x 450	4,7	MF4006/..., MF4009...	MF4006/...: 1 basket MF4009/...: 2 baskets on top of each other
MF4071/69-2	651 x 471 x 116	632 x 450	7,6	MF4006/..., MF4009...	MF4006/...: 1 basket MF4009/...: 2 baskets on top of each other (double-lane roller conveyor)

Adaption to the charge dimension of the MEFO-BOX MF4015/... (Height 250)

Part No.	Outside dimension L x B x H	Roller conveyor dim. L x B	Weight (kg)	suitable for Part No.	Position of MEFO-BOXes
MF4075/05	521 x 321 x 66	502 x 303	2,4	MF4005/..., MF4012/...	MF4005/...: 1 basket MF4012/...: 2 baskets on top of each other

EURO SERIES

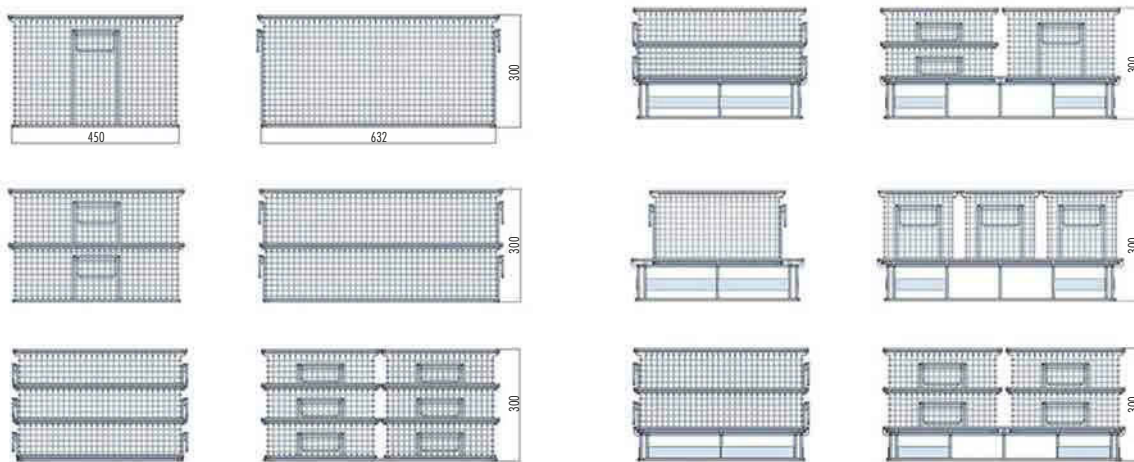
Part No.	Outside dimension L x B x H	Roller conveyor dim. L x B	Weight (kg)	suitable for Part No.	Position of MEFO-BOXes
MF4170/12	625 x 408 x 116	587 x 387	4,4	MF4101/..., MF4102/...	MF4101/...: 2 baskets next to each other, 2 baskets on top of each other MF4102/...: 2 baskets next to each other



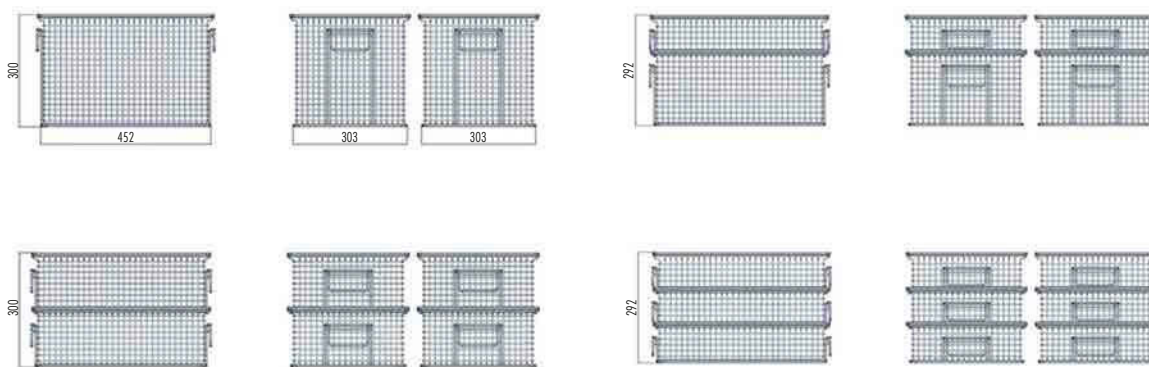
Adapter frame (single-lane) with MEFO-BOXes

Charge compositions

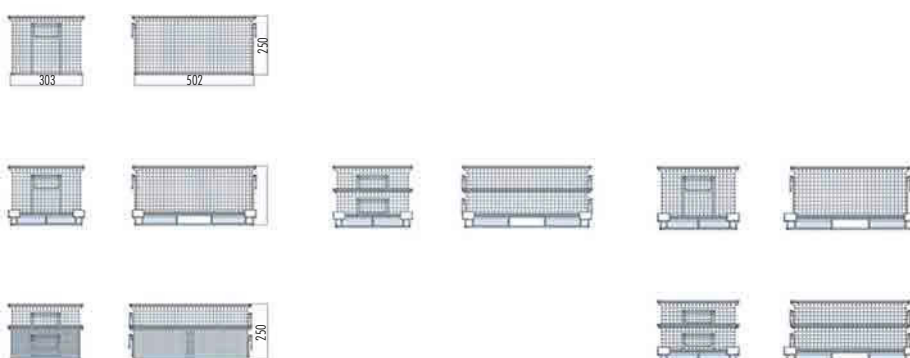
Charge 651 x 471 x 300 for single-lane roller conveyor



Charge 651 x 471 x 300 for double-lane roller conveyor



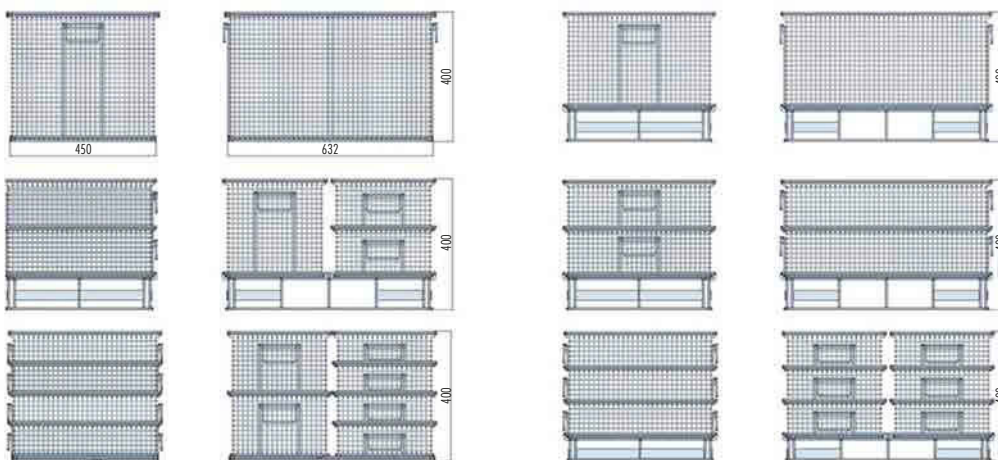
Charge 521 x 321 x 250



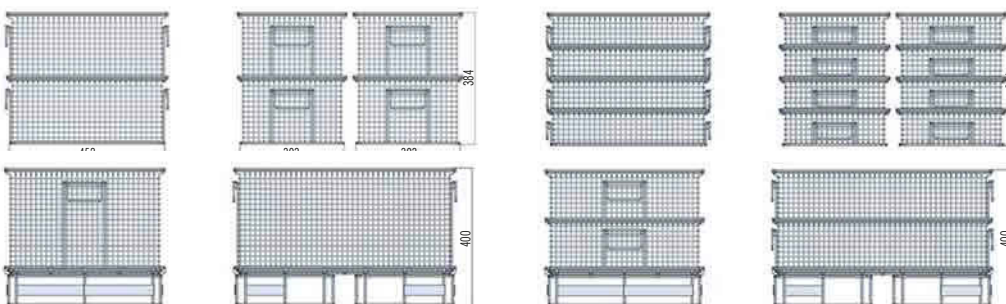


Adapter frame (double-lane) with MEFO-BOXes

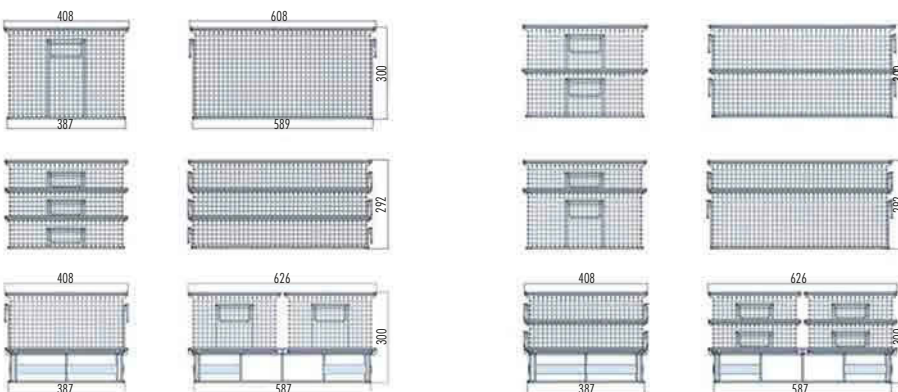
Charge 651 x 471 x 400 for single-lane roller conveyor



Charge 651 x 471 x 400 for double-lane roller conveyor

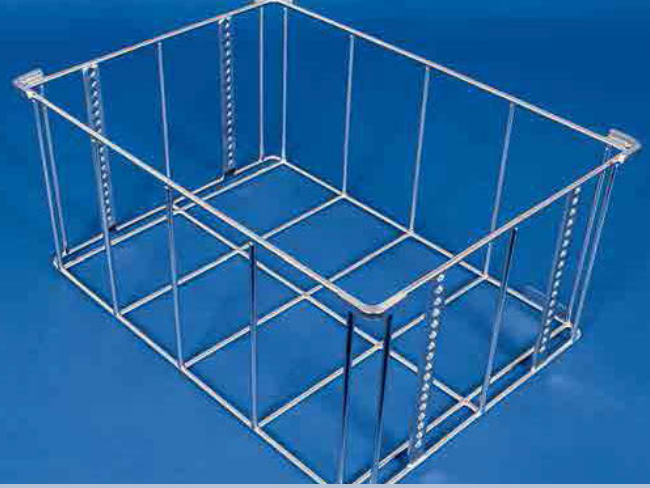


Charge 608/626 x 408 x 300





Washing rack WG-1



Washing rack WG-2

Washing rack

The washing rack was developed for cleaning of bulk material baskets with maximum flow rate. However, as the flow rate is only slightly higher compared to the cleaning of bulk material baskets in the MEFO-BOX in mesh width 12 mm, but the shielding of the components directly behind the perforated strips in the washing rack is higher, it is more rarely used. In addition, the washing rack is more cost-intensive than the MEFO-BOX due to the lower production volumes and it can only be used for bulk material baskets, whereas the MEFO-BOX may also be used for cleaning of larger bulk parts and individual parts.

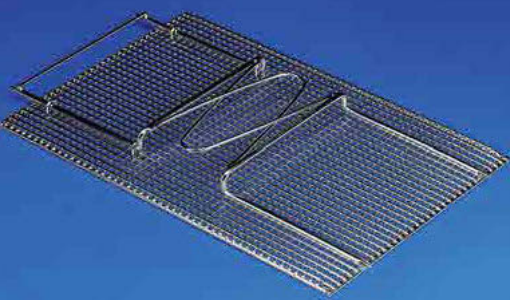
Washing racks .../WG-1 have two perforated strips each on the short sides and, depending on the load, are locked with an adjustable or clamping lid.

Washing racks .../WG-2, which are equipped with two perforated strips each on the short sides and four perforated strips each on the long sides, can be locked either with one large adjustable or clamping lid or with two smaller adjustable or clamping lids. This allows you to securely fix two stacks of bulk material baskets with different heights.

The washing racks can be stacked with MEFO-BOXes of the same size.

STANDARD SERIES

Part No.	Outside dimension L2 x B2 x H	Roller conv. dim. L1 x B1	Inside dimension L x B	Weight (kg)
MF4003/WG-1	471 x 321 x 200	452 x 303	430 x 280	3,6
MF4006/WG-1	651 x 471 x 300	632 x 450	610 x 430	5,8
MF4006/WG-2	651 x 471 x 300	632 x 450	610 x 430	6,3



Adjustable lid mesh width 6



Adjustable lid mesh width 12



Adjustable lid mesh width 12-SL

Adjustable lid

Standard version

The adjustable lid is inserted into the wire grating of the side walls and makes it possible to lock the MEFO-BOX according to the fill level. This prevents that parts float or drop out of the basket when the MEFO-BOX is immersed, swivelled or rotated during cleaning operation.

STANDARD SERIES

Part No.	Mesh width	Outside dimension L x B x H		Weight (kg)		suitable for MEFO-BOXes with outside dimension (L2 x B2)
	MW	MW6	MW12	MW6	MW12	
MF4050/...	6 / 12	332 x 183 x 35	324 x 174 x 35	1,0	0,7	371 x 221...
MF4051/...	6 / 12	430 x 281 x 35	424 x 274 x 35	1,7	1,4	471 x 321...
MF4052/...	6 / 12	482 x 283 x 35	474 x 274 x 36	1,8	1,5	521 x 321...
MF4053/...	6 / 12	608 x 428 x 32	604 x 424 x 40	3,8	3,4	651 x 471... as well as 659 x 479...

EURO-BAUREIHE

Part No.	Mesh width	Outside dimension L x B x H		Weight (kg)		suitable for MEFO-BOXes with outside dimension (L2 x B2)
	MW	MW6	MW12	MW6	MW12	
MF4151/...	6 / 12	369 x 267 x 35	363 x 263 x 35	1,4	1,2	408 x 308...
MF4152/...	6 / 12	567 x 368 x 40	560 x 363 x 40	3,8	2,8	608 x 408...

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Part No.	Mesh width	Outside dimension L x B x H		Weight (kg)		suitable for MEFO-BOXes with outside dimension (L2 x B2)
	MW	MW6	MW12	MW6	MW12	
MF4251/...	6 / 12	353 x 351 x 35	348 x 348 x 35	1,4	1,2	396 x 396...

Version for heavy loads

In the version for heavy loads, the adjustable lid is equipped with additional reinforcements. The adjustable lid for heavy is only available in mesh width 12 mm.

STANDARD SERIES

Part No.	Mesh width	Outside dimension L x B x H	Weight (kg)	suitable for MEFO-BOXes with outside dimension (L2 x B2)
	MW			
MF4053/12-SL	12	604 x 424 x 40	4,3	651 x 471... as well as 659 x 479...



Clamping lid

Clamping lid

With the clamping lid, individual parts and bulk material can be fixed in MEFO-BOXes in mesh width 12 mm of all series. Individual parts have to be covered with an inserting bottom (modified with pressure rods), bulk material baskets can be directly locked with the clamping lid for up to two baskets per base area. If more than 2 baskets per base area are used, an additional inserting bottom (modified with pressure rods) must be used in order to distribute the clamping force of the rollers evenly on all bulk material baskets. Individual parts or bulk material baskets can be quickly and easily clamped the two dead centre tilt levers. The maximum load capacity of the clamping lid is 80 kg. In the Mefo-Box a height of 74 mm is required for the clamping lid.

STANDARD SERIES

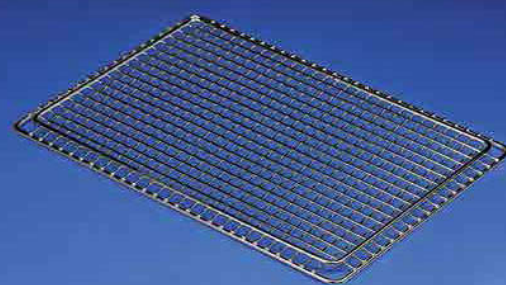
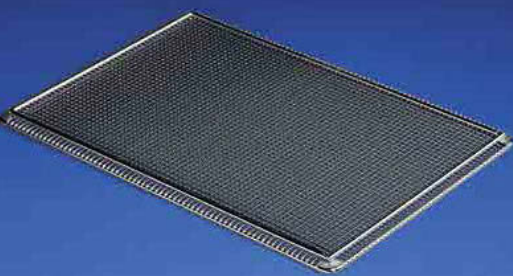
Part No.	Outside dimension L x B x H	Clamping force (N)	Weight (kg)	suitable for MEFO-BOXes with outside dimension (L2 x B2)
MF4090/12	324 x 175 x 36	150	1,2	371 x 221...
MF4091/12	425 x 275 x 36	250	2,2	471 x 321...
MF4092/12	475 x 275 x 36	300	2,3	521 x 321...
MF4093/12	605 x 425 x 36	500	3,0	651 x 471... as well as 659 x 479...

EURO SERIES

Part No.	Outside dimension L x B x H	Clamping force (N)	Weight (kg)	suitable for MEFO-BOXes with outside dimension (L2 x B2)
MF4191/12	363 x 263 x 36	250	1,5	408 x 308...
MF4192/12	560 x 363 x 36	500	3,0	608 x 408...

SPECIAL SERIES

Part No.	Outside dimension L x B x H	Clamping force (N)	Weight (kg)	suitable for MEFO-BOXes with outside dimension (L2 x B2)
MF4291/12	345 x 345 x 74	250	2,2	396 x 396...



Supporting lid mesh width 4

Supporting lid mesh width 6

Supporting lid mesh width 12

Supporting lid

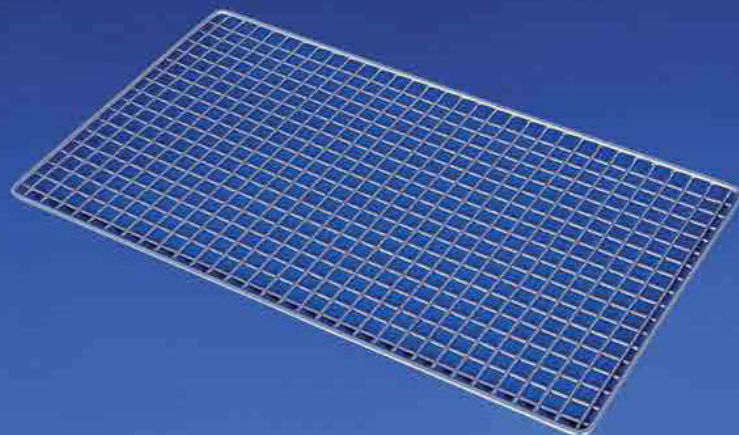
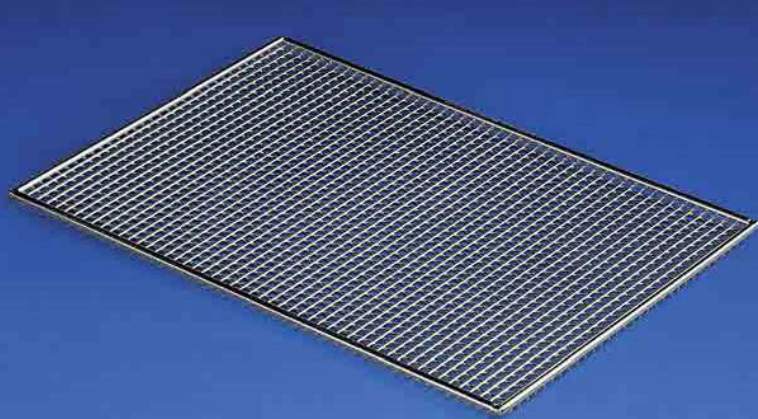
The supporting lid is placed in the stacking frame and closes the MEFO-BOX on the top. It prevents that parts float or drop out of the basket when the MEFO-BOX is immersed, swivelled or rotated during cleaning operation. The supporting lid is not fixed in the basket and has to be clamped by the machine during the cleaning process.

STANDARD SERIES

Part No.	Mesh width	Outside dimension L x B x H		Weight (kg)			suitable for MEFO-BOXes with outside dimension
	MW	MW4	MW6 / MW12	MW4	MW6	MW12	
MF4080/...	6 / 12		350 x 200 x 17		1,0	0,7	371 x 221...
MF4081/...	4 / 6 / 12	451 x 303 x 14	451 x 301 x 17	1,6	1,7	1,5	471 x 321...
MF4082/...	4 / 6 / 12	502 x 303 x 14	502 x 303 x 17	1,7	1,8	1,6	521 x 321...
MF4083/..	6 / 12		630 x 450 x 17		3,2	2,7	651 x 471... as well as 659 x 479...

EURO SERIES

Part No.	Mesh width	Outside dimension L x B x H		Weight (kg)			suitable for MEFO-BOXes with outside dimension
	MW	MW4	MW6 / MW12	MW4	MW6	MW12	
MF4181/...	6 / 12		389 x 289 x 17		1,5	1,0	408 x 308...
MF4182/...	6 / 12		586 x 389 x 17			1,5	608 x 408...



Inserting bottom mesh width 6

Inserting bottom mesh width 12

Inserting bottom

Used as an intermediate layer when loading the MEFO-BOX with several layers of delicate parts, the inserting bottom protects your parts against damage.

STANDARD SERIES

Part No.	Mesh width	Outside dimension L x B x H		Weight (kg)		suitable for MEFO-BOXes with outside dimension
	MW	MW6	MW12	MW6	MW12	
MF4060/...	6 / 12	332 x 182 x 10	324 x 174 x 10	0,8	0,5	371 x 221...
MF4061/...	6 / 12	431 x 283 x 10	425 x 275 x 10	1,3	1,1	471 x 321...
MF4062/...	6 / 12	482 x 283 x 10	475 x 275 x 10	1,5	1,2	521 x 321...
MF4063/...	6 / 12	606 x 427 x 14	604 x 423 x 12	2,6	2,3	651 x 471... as well as 659 x 479...

EURO SERIES

Part No.	Mesh width	Outside dimension L x B x H		Weight (kg)		suitable for MEFO-BOXes with outside dimension
	MW	MW6	MW12	MW6	MW12	
MF4161/...	6 / 12	363 x 263 x 10	363 x 263 x 10	1,1	0,9	408 x 308...
MF4162/...	12		560 x 363 x 12		1,7	608 x 408...

SPECIAL SERIES

Part No.	Mesh width	Outside dimension L x B x H		Weight (kg)		suitable for MEFO-BOXes with outside dimension
	MW	MW6	MW12	MW6	MW12	
MF4261/...	12		345 x 345 x 15		1,2	396 x 396...



Compartment rod with compression spring (D-E)

Compartment rod with cotter pin (S-E)

Compartment rod with nut (M-E)

Compartment rod

The compartment rods allow quick and easy assembly of compartments in the MEFO-BOX, adapted to the size and geometry of your components. This is usually necessary when cleaning small batches of parts with special geometries. Compartment rods can be used with adjustable or clamping lids. They are available in three versions* for all MEFO-BOXes in mesh width 12 mm:

- with **compression spring** (Part No. MF4 ... **D-E**)
- with **cotter pin** (Part No. MF4 ... **S-E**)
- with **nut** (Part No. MF4 ... **M-E**)

If required, compartment rods can be covered with Teflon tubes or coated.

* Please always specify the desired version (e.g. MF4041D-E) with your order.

STANDARD SERIES

Part No.	Position in MEFO-BOX	Length M-E, S-E	Length D-E	Diameter	suitable for MEFO-BOXes with outside dimension
MF4041...	crossways	312	298	10	471 x 321... as well as 521x321
MF4042...	lengthways / crossways	462	448	10	471 x 321... lengthways as well as 651 x 471... crossways
MF4043...	lengthways	512	498	10	521 x 321...
MF4044...	lengthways	642	628	10	651 x 471... as well as 659 x 479...

EURO SERIES

Part No.	Position in MEFO-BOX	Length M-E, S-E	Length D-E	Diameter	suitable for MEFO-BOXes with outside dimension
MF4141...	crossways	300	286	10	408 x 308...
MF4142...	lengthways / crossways	400	386	10	408 x 308... lengthways as well as 608 x 408... crossways
MF4144...	lengthways	604	586	10	608 x 408...

SPECIAL SERIES

Part No.	Position in MEFO-BOX	Length M-E, S-E	Length D-E	Diameter	suitable for MEFO-BOXes with outside dimension
MF4241...	lengthways / crossways	388	374	10	396 x 396...





Bulk material basket with lid



Bulk material baskets in MEFO-BOX with clamping lid

Bulk material basket

With the bulk material baskets, you can clean and transport small and tiny parts particularly efficiently. The baskets are available in full, half and quarter-size (based on the base area of the corresponding MEFO-BOX) in mesh widths 1, 2, 3, 5 and 8 mm. Not all mesh widths are available in all variants as standard. For special applications, several bulk material baskets are also available in mesh widths 0.5 and 0.3 mm. The wide range of bulk material baskets enables you to pool various small parts in a MEFO-BOX and then clean them cost-effectively in one charge without the risk of intermixing parts.

The bulk material baskets are inserted in the respective MEFO-BOX and securely locked with the matching clamping lid. A height of at least 74 mm is required for use of the clamping lid. The useful height of the MEFO-BOX is reduced accordingly. Please take this into account when making your selection. If more than 2 bulk material baskets per base area of the MEFO-BOX are used, an additional inserting bottom (modified with pressure rods) must be used. All eighth-size baskets are equipped with camloc snap-closings. For those, instead of the clamping lid an adjustable lid may be used for locking of the MEFO-BOX.

STANDARD SERIES

Bulk material basket suitable for MEFO-BOXes with outside dimension 371 x 221...

Part No.	Description	Outside dimension L x B x H
SG4007/1/1/...	Full-size basket high	325 x 175 x 126
SG4007/1/2/...	Full-size basket low	325 x 175 x 63
SG4007/2/1/...	Half-size basket high	155 x 175 x 126
SG4007/2/2/...	Half-size basket low	155 x 175 x 63

Bulk material basket suitable for MEFO-BOXes with outside dimension 471 x 321... as well as 651 x 471...

Part No.	Description	Outside dimension L x B x H
SG4003/1/1/...	Full-size basket high	424 x 274 x 126
SG4003/1/2/...	Full-size basket low	424 x 274 x 63
SG4003/2/1/...	Half-size basket high	210 x 274 x 126
SG4003/2/2/...	Half-size basket low	210 x 274 x 63
SG4003/8/1/...	Eighth-size basket high	105 x 120 x 120
SG4003/8/2/...	Eighth-size basket low	105 x 120 x 63
SG4008/2/1/...	Half-size basket high	210 x 274 x 84

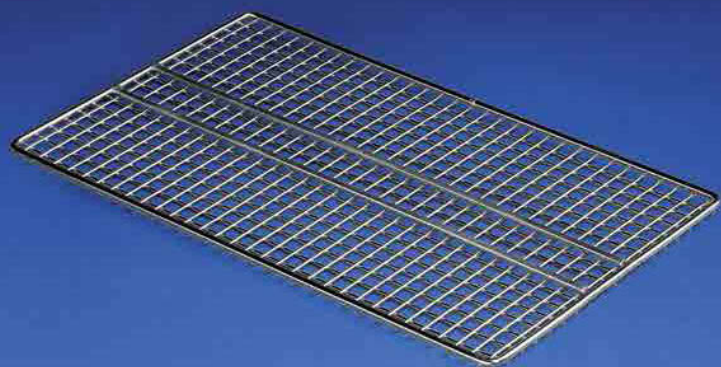
Bulk material basket suitable for MEFO-BOXes with outside dimension 521 x 321....

Part No.	Description	Outside dimension L x B x H
SG4005/1/1/...	Full-size basket high	474 x 274 x 126
SG4005/1/2/...	Full-size basket low	474x 274 x 63
SG4005/2/1/...	Half-size basket high	235 x 274 x 126
SG4005/2/2/...	Half-size basket low	235 x 274 x 63
SG4005/8/1/...	Eighth-size basket high	115 x 120 x 120
SG4005/8/2/...	Eighth-size basket low	115 x 120 x 63

EURO SERIES

Bulk material basket suitable for MEFO-BOXes with outside dimension 408 x 308... as well as 608 x 408...

Part No.	Description	Outside dimension L x B x H
SG4102/1/1/...	Full-size basket high	362 x 262 x 126
SG4102/1/2/...	Full-size basket low	362 x 262 x 63
SG4102/2/1/...	Half-size basket high	262 x 175 x 126
SG4102/2/2/...	Half-size basket low	262 x 175 x 63



SG 4000 / B / K / M

SG = Bulk material basket

MEFO-BOX Part No.

(specifies, for which MEFO-BOX the bulk material basket has been designed and is reference for base and basket height)

/ B = Base

- 1 = full base
- 2 = half base
- 4 = quarter base
- 8 = eighth base

/ K = Basket height

- 1 = high (full basket height)
- 2 = low (half basket height)

/ M = Mesh width

- 1; 2; 3; 5; 8

Inserting bottom modified with pressure rods

Scheme for Part No.

Full-size basket high
(also available as full-size basket low)

Half-size basket high

Quarter-size basket high

Half-size basket low

Quarter-size basket low

Bulk material baskets standard series

All dimensions in mm (if not otherwise specified)

Component protection

To avoid damage when cleaning workpieces with sensitive surfaces, we offer various options of component protection.

A proved and tested plastic grating, which can be used on the bottom of the basket as well as intermediate layer and cover, prevents scratches or damage by contact between metal and metal. The low-cost plastic grating is made of PP or PA depending on the cleaning medium.

Alternatively, inserting bottoms, compartment rods or other inserts, can be equipped with a plastic coating.



Special, temperature- and media-resistant Teflon hoses and tubes allow for the selective encasing of areas on compartment rods and dividers that are touching the components. Teflon tubes are mainly used for heavy and / or sharp-edged components.

In general, plastic parts and coatings used during cleaning are subject to certain wear and tear. Depending on the load, they must therefore be replaced from time to time.





Quality made in Bretten

It's a matter of know-how.

Our strengths are our in-house design and manufacturing. For our customers this means consistently high quality, price stability and adherence to delivery dates — no matter how large or small the order.



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Discover the difference

As a quality and competitive factor, parts cleaning makes a significant contribution to the value creation. We support you through our comprehensive know-how and our long-term experience as well as the quality focus of our employees. Our strengths are our holistic expert consultation, in-house design and production as well as the fact that we know exactly what matters for process-reliability and efficiency in parts cleaning.

This makes us your competent partner for cleaning baskets and workpiece holders - the core element of the cleaning process. Based on the consistently high quality of our products, our adherence to delivery dates and our cost awareness, we offer our customers added value - regardless of whether they need a small, medium or large quantity of cleaning and transport baskets.

Talk to us about your cleaning requirements - and discover that there are differences.

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