

## Modularity systems

made of high performance synthetic material,  
silicone and metal

Sterisafe<sup>®</sup>

Toolsafe<sup>®</sup>



**Sterisafe® DURO A8**  
interior dimensions: 65 x 60 x 47 mm  
exterior dimensions: 90 x 90 x 55 mm



**Sterisafe® DURO A6**  
interior dimensions: 165 x 92 x 49 mm  
exterior dimensions: 190 x 110 x 60 mm



**Sterisafe® DURO E42**  
interior dimensions: 420 x 85 x 60 mm  
exterior dimensions: 440 x 107 x 70 mm



**Sterisafe® DURO A4**  
interior dimensions: 265 x 165 x 49 mm  
exterior dimensions: 290 x 190 x 60 mm

# Sterisafe® DURO

Sterile barrier and packaging system according to DIN EN ISO 11607-1:2006 and 11607-2:2006, made of high performance synthetic material

The Sterisafe® DURO have with more than 2.000 cycles an extraordinary long durability. They are suitable for steam, gas (EO, FO) and plasma sterilization, in addition with high impact strength and a heat-resistant up to 150°C.

## Processing

The Sterisafe® DURO can be cleaned manually and by machine. Due to the high material-resistance against alkaline detergents, the Sterisafe® DURO can be RKI-conformed\* treated with pH-values higher than 10.

## Sterilisation

The Sterisafe® were designed for all steam sterilization procedures under vacuum. The suitability for the steam sterilization was tested by the University of Montpellier, France in June 1998.

Already in 2003 the Sterisafe® was successfully tested in a Plasma Sterilizer Johnson & Johnson ASP Sterrad 100 S by SMP, Tuebingen.

In 2005 SGS Institute Fresenius, Taunusstein made a determination of EO sterilization residues according to DIN EN ISO 10993-7. The result is, that the Sterisafe® DURO is suitable for EO sterilization.

The use of Sterisafe® for a validation of steam sterilization process in Frankfurt 2005, by MMM GmbH Planegg, certifies „Thermoelectric testing with loading successfully“. Good drying results have been ascertained at drying tests without instruments and with additional load (cushion mat with / without metal grid inserts).

## Storage

A long-term study of SMP, Tuebingen 2004 shows, that the Sterisafe® are useable as sterile packaging according to DIN 58953-9:2002-10, even under mechanical stress.

The gasket-free construction warranted sterility of the sterile goods of more than 6 months.

## Transport

The Sterisafe® DURO is made of high synthetic material and is the lightweight of the hard packaging systems. It offers also a maximum space utilization with optimal storage safety.

## OT-use

Easy handling.

\*RKI = Robert-Koch-Institute

**Translucent material**  
colour anthracite, content recognizable from outside.

**ePTFE-long-running filter**  
The filter remains during cleaning cycle (manual and by machine) in the Sterisafe® DURO.

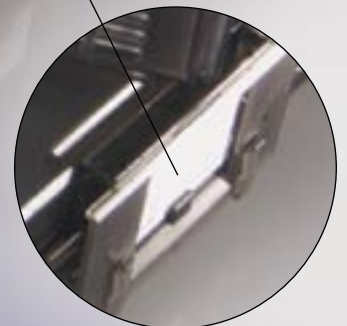
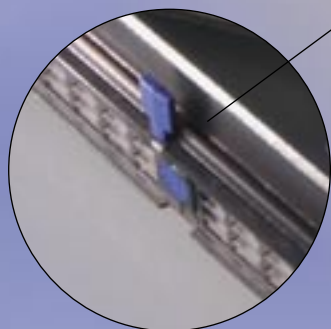
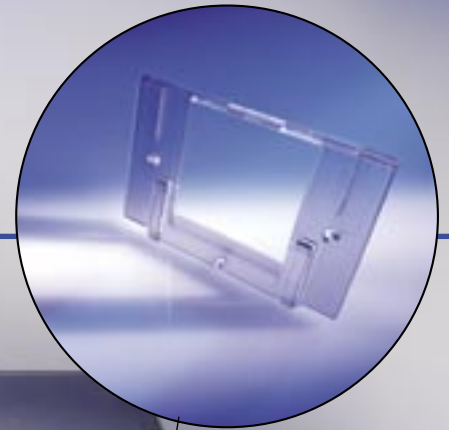
**Universal Label Holder**  
The Sterisafe® Universal Label Holder is suitable for all documentation- / protocol labels with a width of more than 50 mm. The holder will be simple clicked on a Sterisafe® bent-lever-closure.

**Stacking support**  
Safe transport with stacked Sterisafe® even with different Sterisafe®-sizes possible.

**Security seal**  
The Sterisafe® DURO can additionally be locked with security seals, which have to be broken before opening the cover.

**Date stamp**  
Shows the expiration date of the ePTFE-filter annual change of colour.

**Extra security (Bent-lever-closure and Inscription seal)**  
The inscription seal conduces as sterilization seal with indicatorpoint, which changes colour while the autoclaving process. Available for steam and plasma sterilisation.



## Protection for sensitive instrument sets during the sterilization cycle

# Toolsafe®

**Toolsafe® Nub Stripes**  
with stop knobs made of silicone  
maximum length 605 mm

Our product range Toolsafe® offers a lot of space for new ideas, improvements of present procedures and / or expansion for already existing systems.

Your subject is the protection, the sterilization, the storage and the transport of sensitive instruments. You also have to cut the costs or you are searching for individual solutions.

Our answer is the flexible and multifunctional product range Toolsafe® for clearly arranged fixation of sensitive instruments and individual instrument sets.

### **Toolsafe® Nub Stripes with Stop Knobs made of silicone**

The nub stripes can be fixed with welded or screwed metal holding devices at the mesh trays.

Even more user friendly is the combination with stop knobs made of silicone, individually fixable, for a cleaning optimized loading and for protection of instruments. The Toolsafe® Stop Knobs made of silicone are suitable for all sterile goods baskets and mesh trays with wire meshes and welding grids. The double bank nub stripes are 13 mm wide and available in maximum length of 605 mm.

Standard lengths are 246 mm, 146 mm and 73 mm.

### **Toolsafe® Holding Devices made of silicone**

The holding devices Type I and Type O are suitable for an individual and save fixation on wire meshes at any point. Type 4 is suitable for welding grids 6 x 6 mm, Type A and B for the instrument rack E42. Type I/O, length 76 mm, hole space 40 mm  
Type 4, length 68,5 mm, hole space 36 mm  
Type A and B, height 48 mm, width 76 mm

### **Toolsafe® Cushion Mats and Grid Trays made of silicone**

Cushion mats and grid trays for instruments offers a high security against damages and saves repairing costs.

The cushion mats will be used as underlayers for instruments. Additional, the grid trays will be used to fix the instruments and can also be used as second storage level.

Standard sizes for cushion mats:

transparent conical nubs or  
blue cylindrical nubs  
A4 - 260 x 160 mm  
A6 - 160 x 90 mm  
A8 - 65 x 60 mm  
605 x 315 mm only blue cylindrical nubs

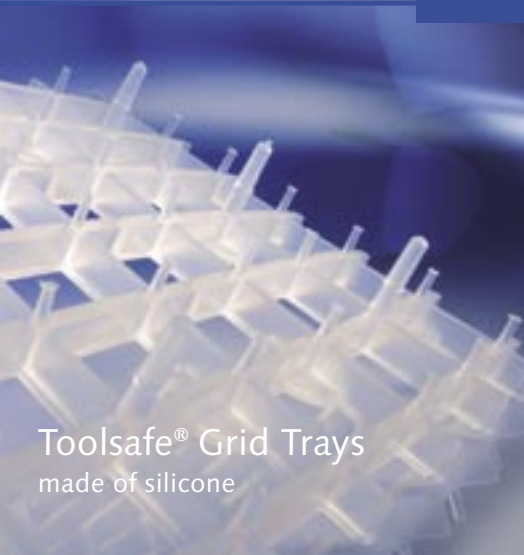
Standard sizes for grid trays:

A4 - 260 x 160 mm transparent  
A6 - 160 x 90 mm transparent

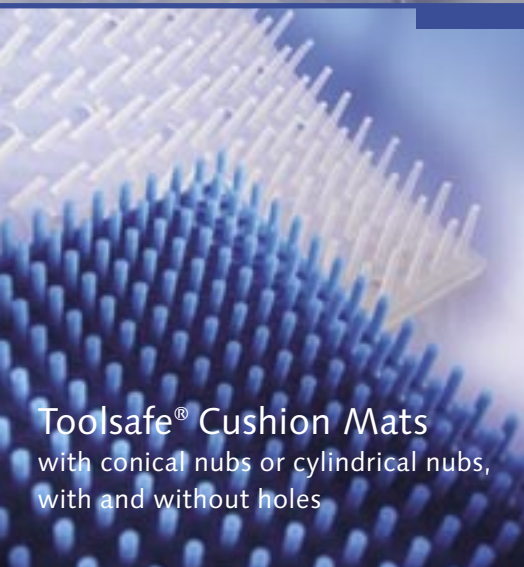
Do you need other dimensions, performance or modification, don't hesitate to ask us.



**Toolsafe® Holding Devices**  
Type I/O and Type 4



**Toolsafe® Grid Trays**  
made of silicone



**Toolsafe® Cushion Mats**  
with conical nubs or cylindrical nubs,  
with and without holes



**Toolsafe®**  
Instrument Rack E42 with  
Holding Devices Type A and B  
size: 414,5 x 76 x 55 mm



**Toolsafe®**  
Metal Grid Insert A6  
size: 162 x 87 x 42 mm



**Toolsafe®**  
Metal Grid Insert A4  
size: 260 x 162 x 22 mm



Example:  
Upgraded mesh tray

Individually and safe storage,  
automatic processing without cleaning shades

## Toolsafe®

### **Toolsafe® Instrument Rack E42 for endoscopes**

The patent-protected Toolsafe® Instrument Rack E42 offers an assured, instrument protecting storage of rigid endoscopes with minimised supporting points and that ensures water access every corner for an optimale cleaning.

In combination with the holding devices Type A and B fixation of up to three rigid endoscopes is assured during decontamination in washer-disinfector (WD), sterilization, transport and preparation in the operating theatre.

### **Toolsafe® Metal Grid Insert A4 and A6**

For automatic processing our metal grid inserts offers an optimal solution for all instruments due to the fact that water gains an uniform access to all items being cleaned. In combination with our holding devices and / or nub stripes made of silicone you have an optimum fixing of sensitive and expensive instruments.

The use of stop knobs made of silicone make the metal grid insert slip-proofed on smooth surface.

All silicone and metal products of our product range Toolsafe® can be sterilized and this satisfies highest hygienic requirements.

Do you have any requests, please describe us your problem. The solution is our challenge.

# Sterisafe®

## Toolsafe®




Sterisafe® DURO A8  
with cushion mat made of silicone

Together with leading institutes and companies like Fraunhofer IGB Stuttgart, SMP Tuebingen et al. we keep on controlling our products and develop new and sustainable solutions.

In times of increased hygienical requirements and always getting tighter resources, it is necessary to have an optimal designed instrument rack for the mechanical decontamination to ensure the quality assurance in hospitals and surgeries.

All products of our complete product range Sterisafe® and Toolsafe® are characterized by functional design to ensure a good cleaning and sterilisation success. All products can be used single or in different combinations suitable for practice.



Sterisafe® DURO A6  
with metal grid insert, holding devices  
and grid tray made of silicone

Examples of combination:

- Sterisafe® DURO A8 with cushion mat A8
- Sterisafe® DURO A6 with cushion mat A6 and grid tray A6
- Sterisafe® DURO A6 with metal grid insert A6 and grid tray A6
- Sterisafe® DURO E42 with 7-pieces silicone holding strips for 1 - 3 Endoscopes
- Sterisafe® DURO E42 with instrument rack E42 and 2 holding devices A+B (1 -2 Endosc.)
- Sterisafe® DURO E42 with instrument rack E42 and 4 holding devices A+B (1 -3 Endosc.)
- Sterisafe® DURO A4 with cushion mat A4 and grid tray A4
- Sterisafe® DURO A4 with metal grid insert A4 and grid tray A4
- Sterisafe® DURO A4 with 2 metal grid inserts A4

All metal grid inserts can be assembled individually with nub stripes and stop knobs made of silicone and / or holding devices Type I/O or Type 4 made of silicone, etc.



Sterisafe® DURO E42  
with instrument rack E42

Modularity systems made of high performance plastics, silicone and metal.

Development and production of innovative products for sterilization and storage.



Sterisafe® DURO A4  
with two metal grid inserts,  
nub stripes with stop knobs  
and holding devices

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