

Distributed in New Zealand by:



Cooper Medical Limited  
57 Mahunga Drive  
Mangere Bridge  
Auckland 2022

PMS



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## PROTECTS WELL YOUR VALUABLE INSTRUMENTS

The right tools for the ophthalmic surgeon are hand crafted microsurgical instruments of the best quality. The skill of highly trained craftsmen, and the time devoted to every detail in

- design
- material
- manufacturing
- progress control
- final inspection

is directly reflected in the quality of the instrument and its price.

### QUALITY HAS ITS PRICE

The purchase of high quality surgical instruments represents a significant investment for the surgeon or hospital.

By using intelligent storage systems, optimally tailored for cleaning and sterilisation, maximal protection can be assured, especially for delicate surgical instruments.

PMS EZWash® Tray-in-Tray and EZLoad® Sterilisation Systems - designed for fine ophthalmic instruments - are ideal to help protect your investment over many years through proper care and maintenance.

### AND ALWAYS REMEMBER:

**DELICATE INSTRUMENTS NEED DEDICATED HANDLING**





# STERILISING EQUIPMENT

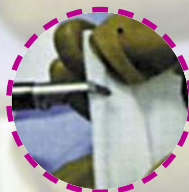
Everything you need to know about the proper care and maintenance of microsurgical instruments please contact

[www.A-K-I.org](http://www.A-K-I.org)

Here you will find much information regarding the following:

- CLEANING
- DISINFECTION
- DRYING
- LUBRICATION
- INSPECTION
- STERILISATION
- STORAGE
- IN-HOUSE TRANSPORTATION

A frequent cause of mechanical damage is improper collection of instruments from the surgical field. Heavy and delicate instruments are thrown into a collection container without consideration. Transportation under such conditions gives rise to vibrations, thus making the instruments come into contact with each other which may cause mechanical damage.





NEW from  
**PMS**



The PMS EZWash® Tray-In-Tray System is a versatile system for organising and protecting delicate surgical instruments during cleaning, disinfection, sterilisation, transport and storage.

EZWash® Trays are available in 1/1, 1/2 and 1/3 sizes, and can be used alone or can be stacked in several different combinations, allowing you to organise individual instruments into practical sets and protective layers.

The PMS EZWash® Tray System is an economical solution. The trays are designed to keep your instruments securely protected, reducing the possibility of damage and high costs of instrument repair or replacement.

**FEATURES:**

- Wire mesh to allow high degree of liquid penetration on to the instrument surfaces.
- Electrolytically polished 18/8 stainless steel construction inhibits rust and staining of the tray, and guarantees strength and durability.
- Total internal customisation. Hand tailored accommodation for your instrument sets that results in zero instrument movement.
- Trays can be reconfigured to accept alternative instruments.

Efficiencies in the operating room are realised because instruments arrive at their point of use in a consistent arrangement that is universal to all services.

In addition, sterilisation and processing time is reduced as general principles of set preparation are integrated into the total system needs of your facility.



STERILISING EQUIPMENT

## PMS EZWash® TRAY-IN-TRAY SYSTEM



Sized to fit into most filtered container system; can also be folded and wrapped in either reusable "woven" drapes and/or disposable CSR wraps.

### **EZWash® Instrument Baskets**

1/1 size (275x178x24 or 37 mm), complete with removable top cover

**E45-102** "LoProfile" 24 mm height, with two silicone instrument supports

**E45-103** "HiProfile" 37 mm height, with two teflon instrument holding bars

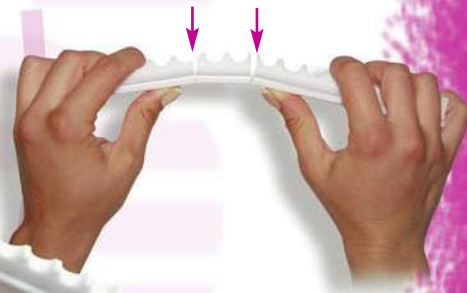


### **EZHold®**

**Instrument Holding Bar**  
16-slots Teflon profile, 260 mm long, complete with set of screws and plates

**E45-104**

easy to break due to pre-determined breaking points



In order to adapt the EZWash® Tray-in-Tray System to your individual need the Instrument Holding Bar is complete with pre-determined breaking points. This enables you to divide the 1/1 size holding bar into 2 bars with the length of 1/2 size or 1/3 and 2/3 sizes depending on the application.

### **EZHold®**

**Replacement Screw and Plate Set**  
for Teflon holding bar E45-104

**E45-105**



### **EZHold®**

**Teflon Holding Post**  
complete, with washer and fixation screw

**E45-106**

holding post can be attached anywhere in the base tray to stack EZWash® baskets at varying heights.



STERILISING EQUIPMENT



## PMS EZWash® TRAY-IN-TRAY SYSTEM

Created to meet both the growing demand toward standardisation of instruments sets and your individualised surgical needs.

STERILISING EQUIPMENT

**EZWash® Tray**  
"LoProfile" 24 mm sidewalls  
1/1 size (275x178x24 mm),  
for 16 hand instruments

interchangeable fixation bar with silicone squeeze ledge

fine grid sidewalls protect both personnel and instruments

latch slots on both ends allow simple placement of fixation bar

silicone instrument supports to protect and hold each instrument

open mesh stainless steel construction allows thorough cleaning, sterilising and drying

**1/1**  
for 16 hand instruments

**1/2**  
for 8 hand instruments

**1/3**  
for 5 hand instruments

**E45-128**  
1/3 size silicone finger mat to fit E45-113

**E45-133**  
silicone nap plate to fit E45-113

**Trays**  
"LoProfile" sidewalls, 24 mm height, complete with 2 silicone instrument supports and 1 instrument fixation bar

**E45-111** 1/1 size 275 x 178 x 24 mm  
**E45-112** 1/2 size 178 x 140 x 24 mm  
**E45-113** 1/3 size 178 x 90 x 24 mm

designed to facilitate the reprocessing (cleaning, disinfection and sterilisation) of instruments.  
We recommend for sterilisation the PMS EZLoad® standard containers illustrated on page 282.

The following instrument holding devices fit into the trays to secure each microsurgical instrument, assure complete cleaning & sterilisation of the instruments and facilitate ease of use of the instruments in the operating room.

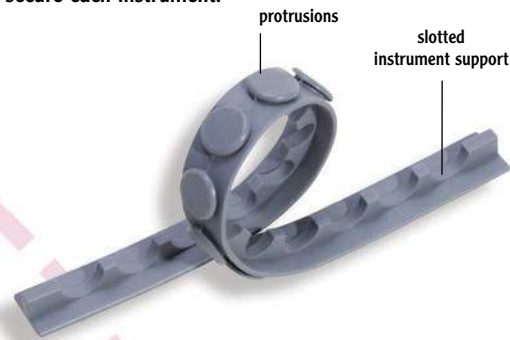
External dimension (mm)	Tray sizes	with silicone support	with silicone finger mat	with silicone nap plate	holding capacity
275 x 178 x 24	1/1	E45-111	*E45-121	*E45-131	16 + items
178 x 140 x 24	1/2	E45-112	*E45-122	*E45-132	8 +
178 x 90 x 24	1/3	E45-113	*E45-123	*E45-133	5 +

PMS standard 1/1 size and 1/2 size trays can be lidded and can also be stacked with 4 sets of Teflon post (E45-106) and placed in a filtered container system with varying heights.

\* See page 277 and 293



Instrument holding devices and silicone finger mats are ideally suited to secure each instrument.



**Silicone Instrument Support**  
265 mm long rubber strip with  
16-slots to fit 1/1 size tray

**E45-115**

can be cut to fit 1/2 or 1/3 size trays; raised protrusions on the underside fit in all bases and are easy to install; to reposition simply grasp and pull



**Instrument Fixation Bars**  
with silicone "squeeze ledge"

**E45-116** for 1/1 size tray

**E45-117** for 1/2 size tray

**E45-118** for 1/3 size tray

interchangeable instrument fixation bars for horizontal and/or vertical placement

**Silicone "squeeze ledge"**  
600 mm, can be cut to size

**E45-119**

extra soft material to prevent damage to the instrument surface and its function

**Silicone Finger Mats**  
extra soft, light blue material  
with narrow spaced fine nubbins

**E45-126** for E45-121

**E45-127** for E45-122

**E45-128** for E45-123

**E45-129** extra large size  
(520 mm x 240 mm)

with venting holes, raised protrusions on the underside to enhance air sterilant penetration and to facilitate rapid drainage of fluid



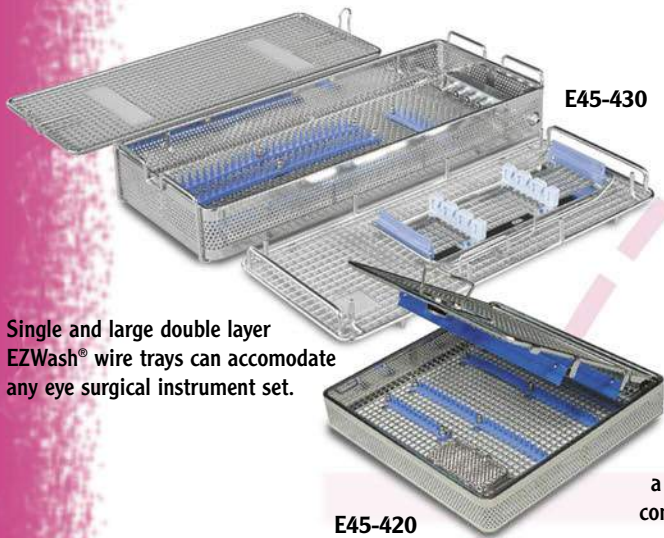
removable silicone mats feature cone shaped nubbins to accommodate all kinds of microsurgical instruments

**NOTE!** Do not use during cleaning in automated washer/disinfector or ultrasonic cleaners. Use only to protect and hold instruments whilst sterilising, storage and transportation.



**EZWash® STAINLESS STEEL WIRE BASKETS**

New reprocessing procedures require new instrument trays. The PMS EZWash® Wire Baskets enable microsurgical instruments to be washed and sterilised using modern automated methods.



Single and large double layer EZWash® wire trays can accommodate any eye surgical instrument set.

**E45-430**

**EZWash®**  
Deluxe Wire Basket (double level)  
363 x 146 x 60 mm, complete with  
E45-434, E45-435, E45-437,  
E45-441 and E45-442

**E45-430**

**EZWash®**  
Deluxe Wire Basket (single level)  
245 x 245 x 60 mm, complete with  
a set of silicone finger strips and  
compartment for cannulae, needles, etc.

**E45-420**

**E45-420**

**STERILISING EQUIPMENT**

**FEATURES**

**TOTAL INTERNAL CUSTOMISATION**

Hand tailored accommodation for your instrument sets that results in zero instrument movement.

**PERFORATED SHEET METAL WALLS**

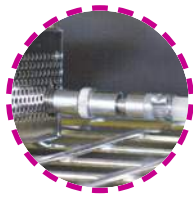
Fine grid sidewalls protect both personnel and instruments.

**COARSE BASE MESH / LID**

Allow high degree of liquid penetration onto the instrument surfaces, and facilitate rapid drying.

**RAPID CLEANING AND STERILISATION**

- Quick connection to washing machine.
- No manual cleaning required.





## EZWash® INSERT TRAYS AND ACCESSORIES

PMO



Safe, protective individual storage inserts are ideal for systematic organisation of delicate ophthalmic surgical instruments in sets.

**EZWash® Insert Wire Tray**  
320 x 135 x 30 mm, with  
stationary posts and frame  
to be used with E45-430

**E45-434**  
stationary posts for clearance of instruments

**EZWash® Insert Instrument Rack**  
190 x 60 x 22 mm, with  
3-slots instrument bars  
to be used with E45-434

**E45-435**  
securely holds 3 instruments of 100 to 160 mm length

**EZWash® Insert Cannula Holder**  
120 x 15 x 30 mm removable bar, complete with  
4xmale LL / 1xfemale LL hub, tubing connector,  
L-bracket with set of screws and simple quick  
connection to washing machine

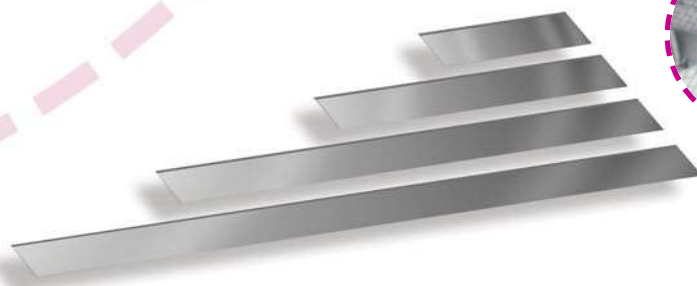
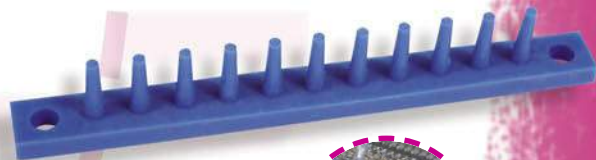
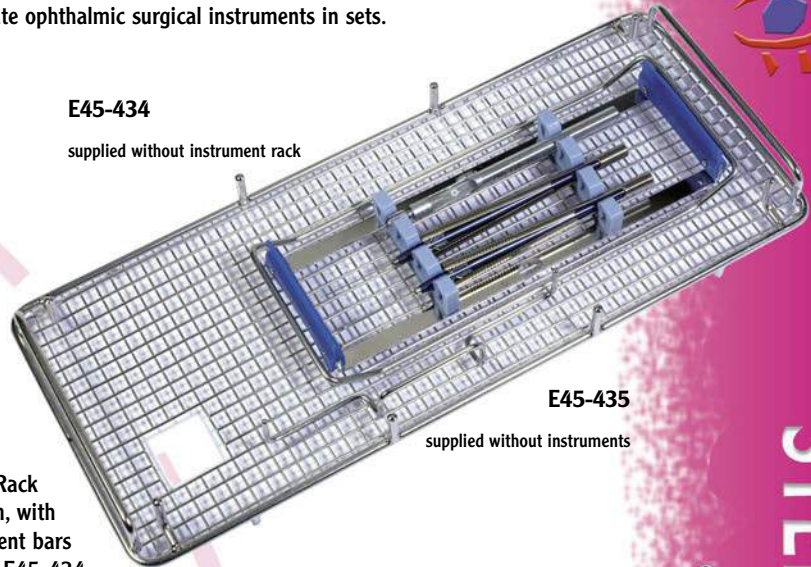
**E45-437**  
cannula bar can be elevated 90° for convenient placement  
or removal of individual cannulae and I/A handpieces

**EZHold® Silicone Finger Strips**  
extra soft material with fine nubbins,  
complete with set of screws as shown above

**E45-441** 95 mm  
**E45-442** 215 mm  
ideal for protective storage of instruments

**EZHold® Fixation Pins**  
**E45-410** smooth to stack ring instruments  
**E45-411** slotted to adapt partition sheets

**EZHold® Partition Sheets**  
stainless steel, 20 mm height  
**E45-412** 50 mm  
**E45-413** 130 mm  
**E45-414** 225 mm  
**E45-415** 460 mm

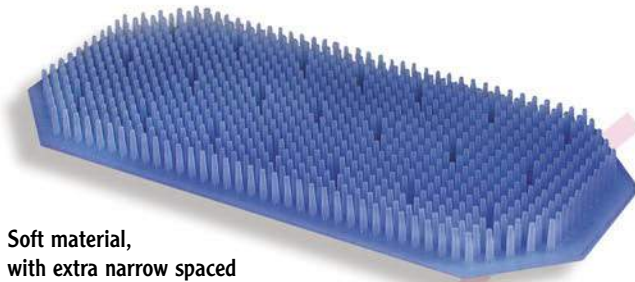


STERILISING EQUIPMENT



**EZHold® SILICONE FINGER MATS**

Four finger configurations allow utilisation of the silicone finger mats with a variety of surgical instruments.



Soft material, with extra narrow spaced nubbins for delicate instruments

**E45-271**  
Silicone Finger Mats  
pre-cut, 270 x 125 mm  
for minicontainers see page 285

**E45-274**  
pre-cut, 245 x 245 mm  
for flat containers see page 287

**\*E45-279**  
large sheet, 520 x 230 mm  
can be cut to size



Semi-soft material with wide spaced, coarse pins for standard eye surgical instruments

**E45-136**  
Silicone Nap Plates  
265 x 170 mm for E45-131

**E45-137**  
170 x 140 mm for E45-132

**E45-138**  
170 x 90 mm for E45-133

**\*E45-139**  
large sheet, 600 x 300 mm

\*large sheet may be cut with scissors to suit instruments of unusual shape for best protection

**E45-259**  
large sheet 520 x 230 mm  
coarse grid with semi-soft pins

**Smith US Army**  
Utility Scissors  
with sharp/blunt tip  
**E25-816** 16.0 cm  
**E25-818** 18.0 cm  
**E25-820** 20.0 cm  
ideal to cut large sheets

**E45-126**  
Silicone Finger Mats  
265 x 170 mm for E45-121

**E45-127**  
170 x 140 mm for E45-122

**E45-128**  
170 x 90 mm for E45-123

**\*E45-129**  
large sheet, 520 x 240 mm

Extra soft material, light blue, with narrow spaced fine nubbins for microsurgical instruments



**STERILISING EQUIPMENT**

## EZHold® SILICONE STORAGE INSERTS

PMO



These components are made of advanced, lightweight, durable R-Mer® and hold all types of delicate surgical instruments.



### Instrument Holding Bars

E45-520 2.9"/73 mm

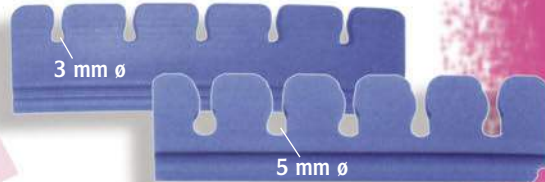
E45-521 7.0"/178 mm

The instrument holding bar can be attached anywhere in the tray with screws; silicone instrument holders are inserted into the instrument holding bars.

### Silicone Instrument Holders 3 mm ø

E45-535 5 slots, 2.8"

E45-536 12 slots, 7.0"



### Silicone Instrument Holders 5 mm ø

E45-555 5 slots, 2.8"/70 mm

E45-556 12 slots, 7.0"/178 mm

### Plastic Holding Post 1.4"/3.5 mm

E45-524

L-Bracket  
E45-522

### Movable Posts

E45-525 short 1.2"/3.0 mm

E45-526 long 2.0"/5.0 mm

T-Bracket  
E45-523

### Universal Bandage Scissors blunt blades, angled to side

E25-715+ colour, 15.0 cm

E25-718+ colour, 18.0 cm

- +Y
- +R
- +A
- +G
- +B

Metal Screw  
for E45-522 to E45-524  
brackets and posts  
E45-512

### Utility Scissors straight, blunt blades, 14.5 cm

E25-714

A NURSE'S BEST FRIENDS

STERILISING EQUIPMENT



## EZLoad® STANDARD STERILISATION CONTAINERS

Stackable, space-saving storage. Choose from 3 standard bottom heights (40, 65 & 80 mm); designed to accommodate a wide variety of instrument sets (mix and match height to optimise tray storage capacity).

STERILISING EQUIPMENT



bottom and lid with fast clip system for simple exchange of filters



New

### LOCKING SYSTEM

EZLock® quick-release with positive action spring mechanism on the lid.



Sterilisation Containers with perforated or unperforated bottom, see E45-314+ thru E45-328+

when ordering please add colour to article number

- +S
- +Y
- +R
- +A
- +G
- +B

Lids (310 mm x 190 mm) anodised, lightweight aluminium, perforated with multiple round holes

E45-310+ colour

- +S
- +Y
- +R
- +A
- +G
- +B

Bottoms

silver coloured, available perforated or unperforated, see E45-312/4 thru E45-313/8

Only the lid of the container is available in different colours.

The following PMS EZLoad® sterilisation containers are specially designed to accommodate 1/1, 1/2 & 1/3 EZWash® Trays assuring complete sterilisation, as well as safe in-house transportation and storage.

External dimension (mm)	Removable lids, perforated	Bottoms, silver coloured perforated - unperforated		Container, complete with perforated - bottom - unperforated	
310 x 190	E45-310+ colour				
310 x 190 x 40		E45-312/4	E45-313/4	E45-314+	E45-324+
310 x 190 x 65		E45-312/6	E45-313/6	E45-316+	E45-326+
310 x 190 x 80		E45-312/8	E45-313/8	E45-318+	E45-328+

## EZLoad® STANDARD CONTAINER ACCESSORIES



For easy identification, safe sterilisation, precise controlling and protective sealing of reusable, filtered sterilisation containers.

STERILISING EQUIPMENT

Identification Plates  
ALUMINIUM (50 x 18 mm)  
available in following colours:

- E45-330 Silver
- E45-330 Yellow
- E45-330 Red
- E45-330 Azure
- E45-330 Green
- E45-330 Violet
- E45-330 Orange
- E45-330 Brown



can be engraved to your  
specification; max. 16 letters

Drape Fixation Clamps  
stainless steel (set of 4)  
E45-334



to hold drape; slip on to the sides

Drape Retainer  
flexible, tension frame  
(310 x 190 mm)

E45-335

to hold woven drapes in place

Classic Woven Drapes  
reusable, green colour

\*E45-336 600 x 400 mm

\*E45-337 650 x 650 mm

\*E45-338 850 x 850 mm

act as protective packaging  
for instrument racks and trays.

\* also available in blue colour,  
please add "B" to end of cat. no.

Paper Filters  
with chemical indicator,  
disposable (pack of 100)

E45-331  
for single use

Textile Filters  
reusable (set of 2)

E45-332  
for frequent use

PTFE Teflon Filters  
long-life (set of 2)

E45-333  
for permanent use



single use



frequent use  
≈ 40 cycles



permanent use  
≈ 1200 cycles

filters are suitable for all steam sterilisation methods



Paper Label/Indicator  
disposable (pack of 100)

E45-351  
for controlling validity of packaging



Plastic Safety Seals  
disposable (pack of 100)

E45-361

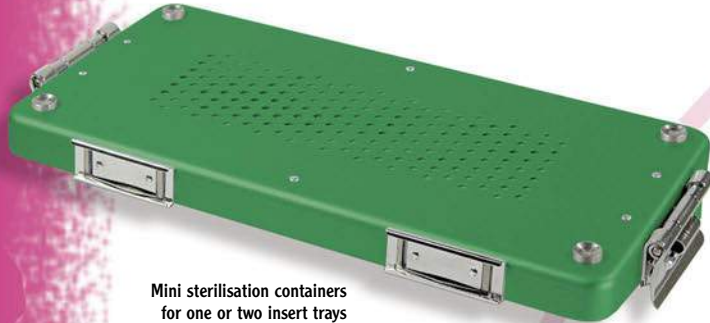
ensures that the protective packaging  
can not be opened and closed again -  
to rule out any form of manipulation.



**EZLoad® MINI STERILISATION CONTAINERS**

*You can store a maximum in a minimum of space.*

**STERILISING EQUIPMENT**



Mini sterilisation containers for one or two insert trays

**Lids**  
(300 mm x 140 mm)  
anodised, lightweight aluminium, perforated with multiple round holes

E45-300+ colour

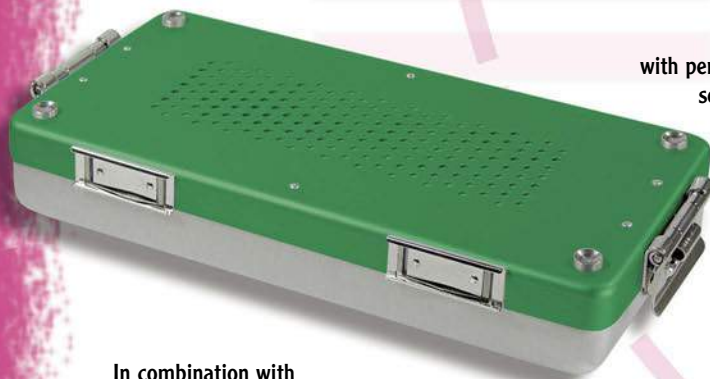
- +S
- +Y
- +R
- +A
- +G
- +B



Cleaning Agent for anodised aluminium  
E45-330 300g

**Bottoms**  
(40 mm and 70 mm heights), available perforated or unperforated, see below E45-304 to E45-307

Containers have uniquely raised buttons on the lid for secure stacking and offer facility for  
- easy filter exchange  
- sterilisation safety seals  
- interchangeable identification plates



**Mini Containers**  
with perforated or unperforated bottom, see below E45-304+ to E45-307+

- +S
- +Y
- +R
- +A
- +G
- +B

In combination with our stainless steel basket trays the best way to store, protect and sterilise an entire set of 15-30 ophthalmic instruments.

PMS EZLoad® Mini Containers with insert wire trays are ideal for sterilisation, safe transportation and organised storage.

External dimension (mm)	Removable lids, perforated	Bottoms, silver coloured perforated - unperforated	Container, complete with perforated - bottom - unperforated
300 x 140	E45-300+ colour		
300 x 140 x 40		E45-304	E45-304+
300 x 140 x 70		E45-306 E45-307	E45-306+ E45-307+

## EZLoad® INSERT TRAYS AND ACCESSORIES

PMO



*Securely protects your instruments.*

Insert Screen Tray  
perforated metal sheet  
268 x 124 x 22 mm

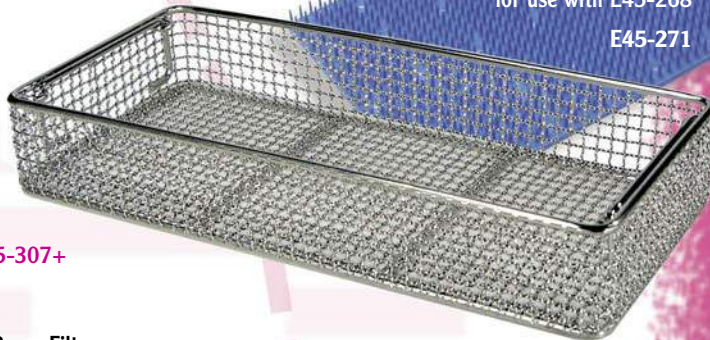
**E45-268**  
for use with E45-304+



A variety of posts, instrument holding devices and silicone finger mats fit into the insert basket to secure each instrument (illustrated on page 279-281)

Silicone Finger Mats  
pre-cut (260 x 120 mm)  
for use with E45-268

**E45-271**



Insert Wire Tray  
stainless steel wire mesh,  
265 x 120 x 45 mm

**E45-265**  
for use with E45-306+ and E45-307+

Paper Filters  
with chemical indicator  
disposable (pack of 100)

**E45-331**  
for single use



Textile Filters  
reusable (set of 2)

**E45-332**  
for frequent use



PTFE Teflon Filters  
long-life (set of 2)

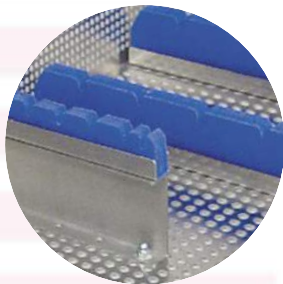
**E45-333**  
for permanent use



single use

frequent use  
≈ 40 cycles

permanent use  
≈ 1200 cycles



Silicone Holding Bars for E45-265 and E45-268 can be adapted to your specific requirements

Drape Retainer  
flexible, tension frame  
(280 x 125 mm)

**E45-328**  
to hold woven drapes in place



Classic Woven Drape  
reusable, 600 x 400 mm  
**E45-336B**

Identification Plates  
see page 283



STERILISING EQUIPMENT



## EZLoad® FLAT STERILISATION CONTAINERS

Up-graded and improved sterilisation containers offer:

- Proven lightweight aluminium, anodised in different colours
- Silicone seals all around for total tightness and sterility.
- Quick-release pressure mechanism for easy filter exchange.
- Perfect arranged perforation for excellent drying properties.

STERILISING EQUIPMENT



Lid perforated

Lid  
(285 mm x 280 mm)

E45-285+ colour

- +S
- +Y
- +R
- +A
- +G
- +B



bottom perforated

Bottoms

(285 x 280 mm x height) silver coloured  
see below, E45-286 to E45-289

Choose from 2 standard bottom heights (55 mm and 85 mm);  
designed to accommodate a wide variety of instrument sets,  
you can mix and match height to optimise tray storage capacity.

Flat Containers  
with perforated or unperforated bottom,  
see below, E45-286+ to E45-289+ colour



Lid perforated

bottom perforated

- +S
- +Y
- +R
- +A
- +G
- +B

please note that only the lid is coloured

With the PMS EZLoad® containers can you well sterilise, rational store, and comfortably transport without contamination.

External dimension (mm)	Removable lids, perforated	Bottoms, silver coloured perforated - unperforated	Container, complete with perforated - bottom - unperforated
285 x 280	E45-285+		
285 x 280 x 55		E45-286	E45-286+
285 x 280 x 85		E45-288 E45-289	E45-288+ E45-289+



## EZLoad® FLAT CONTAINER ACCESSORIES

PMO



A variety of posts, instrument holding devices and silicone finger mats fit into the insert basket to secure each instrument, see page 279/281.

**Insert Wire Mesh Basket**  
stainless steel construction,  
crimp square hole wire mesh

**E45-253** 255 x 245 x 30 mm  
to fit with E45-286+

**E45-255** 255 x 245 x 50 mm  
to fit with E45-288+ and -289+

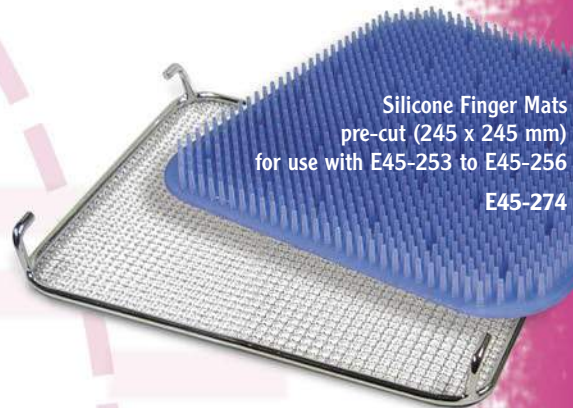


crimp square  
hole wire mesh for  
extra strength and durability

**Insert Wire Mesh Base**  
255 x 245 x 30 mm  
with special feet

**E45-256**

to fit with flat containers, special feet  
provide enough space for instruments



**Silicone Finger Mats**  
pre-cut (245 x 245 mm)  
for use with E45-253 to E45-256  
**E45-274**

**Paper Filters**  
with chemical indicator  
disposable (pack of 100)

**E45-281**  
for single use

**Textile Filters**  
reusable (set of 2)

**E45-282**  
for frequent use

**PTFE Teflon Filters**  
long-life (set of 2)

**E45-283**  
for permanent use



The filter retainer is locked by pressing down  
in center of the filter. The opening of the filter  
retainer succeeds by pressing the plate.

**Filter Retainer**  
185 mm dia.  
**E45-284**

**Drape Retainer**  
flexible, tension frame  
(255 x 255 mm)

**E45-325**  
to hold woven  
drapes in place



**Classic Woven Drape**  
reusable, 900 x 600 mm  
**E45-339B**

The use of reusable wovens can  
not guarantee total protection  
of the sterile barrier.

STERILISING EQUIPMENT



**STERILISING EQUIPMENT**



Reprocessing (cleaning, disinfection, sterilisation) of eye surgical instruments is a critical issue and demands highest requirements in the design of washer/disinfector, sterilisation containers, and associated equipment.

The PMS EZWash Tray-In-Tray System and EZLoad Sterilisation Containers have been used in nearly all modern sterilisation methods with excellent results. They are in conformity with valid quality international standards and master nearly each challenge regarding

- Safety in reprocessing
- Flexibility in preparation
- Systematic organisation
- Functional in packaging
- Simple in operation
- Economical in maintenance

High quality 18/8 stainless steel material and proven anodized aluminium used for the manufacture of our reusable instrument trays, baskets and sterilisation containers will withstand repeated and long-term use, even under difficult conditions.

Precise controlling, functional filling, safety closing and sealing of our reusable containers, and the folding and wrapping of sterilisation drapes, ensure that STERILITY of the instruments is maintained until the point of use as well as aseptic presentation.

Therefore, PMS EZWash Trays and EZLoad Sterilisation Containers are the ideal tandem for perfect reprocessing with regard to optimal cleaning, complete sterilisation, validation of packaging and ease of use of the instruments in the operating room.

**AND ALWAYS REMEMBER:**

**DELICATE INSTRUMENTS  
NEED DELICATE  
HANDLING**



# IMPORTANT SYMBOLS AND SUITABILITY



Important Note!

Non-sterile product

Single use product only

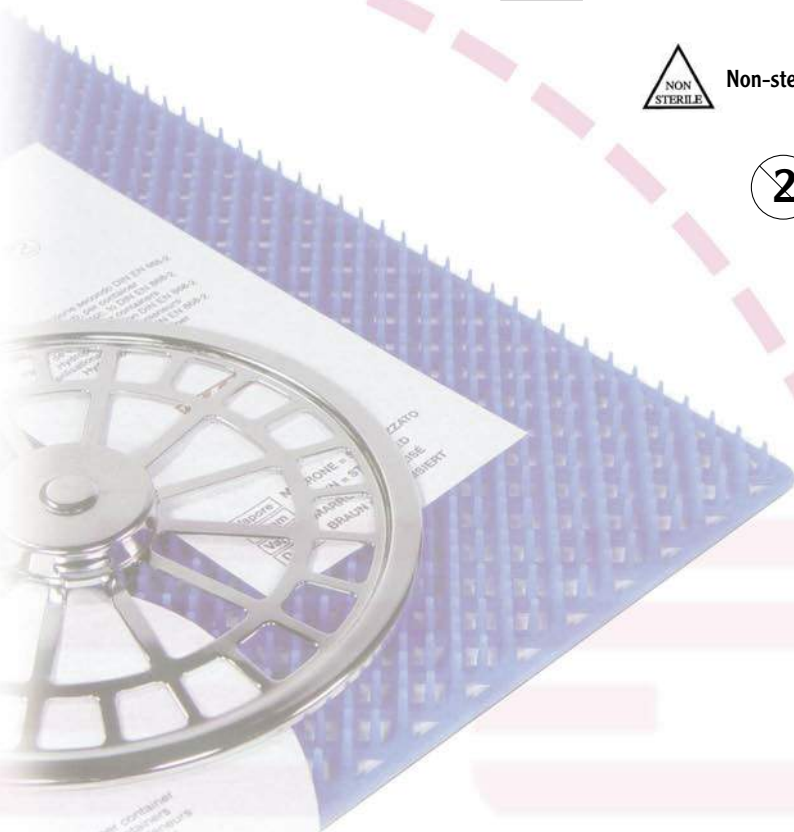
Do not sterilise by ethylene oxide

Sterile packaged product

Sterilised by ethylene oxide

Sterilise by heat (steam)

Expiration date



Non-closed packaging is designated as “preformed sterile barrier systems”, e.g. open pouches and containers. (Forum 2007 - Medical Devices and Processes)

All PMS EZLoad® sterilisation containers are fitted with paper, textile or long-life Teflon filters; cover and bottom are perforated for steam procedures as indicated below.

Explanation of symbols :  
 + applicable  
 - not applicable  
 0 limited application

Suitability of our sterile containers for steam sterilization procedures<sup>1)</sup> as per DIN 58953, part 9 (issue May 1987)

Sterilization container	Packing		Steam sterilization procedure acc. to DIN 58946, part I				
	Description	Symbolic representation and packing system	Gravitation procedure	Pre-vacuum procedure	Fractional vacuum procedure	Fractional flow procedure	Steam injection procedure
with filters	Instruments in wire basket acc. to DIN 58952 part III, in sterilization container with filter in lid and bottom acc. to DIN 58952 part I		+ <sup>3)</sup>	+	+	+	+
	Instruments in wire basket acc. to DIN 58952 part III, in sterilization container with filter in lid and bottom not perforated acc. to DIN 58952 part I		-	+ <sup>2)</sup>	+ <sup>2)</sup>	+ <sup>2)</sup>	+ <sup>2)</sup>
	Instruments in wire basket acc. to DIN 58952 part III, in sterilization container with filter in bottom acc. to DIN 58952 part I		0	+	+	+	+

1) In order to avoid mistakes with regards to service, operation and/or when loading the sterilizer, please refer to table 1 for correct or wrong combination of sterilization containers for standardized steam sterilization procedures.  
 2) Only sterilization containers guaranteeing evaporation or discharge of condensate are suitable above.  
 3) Gravitation procedures having no drying device do not guarantee a sufficient after - drying effect.



**EZHold® STAINLESS STEEL INSTRUMENT CASSETTES**

Compact design guarantees strength and durability.  
Electro polished 18/8 stainless steel material  
inhibits rust and staining of the tray.



**EZHold®**  
Instrument Holding Racks  
frame 180 mm long x 27 mm height

- E45-180+ 3 instruments, 64 mm wide
- E45-180+ 5 instruments, 95 mm wide
- E45-180+ 10 instruments, 136 mm wide

**EZHold®**  
Instrument Fixation Bars  
with silicone “squeeze ledge” for holding racks,  
available in 60, 90, 130 mm length

E45-181+ length

Holding Bars

**EZHold®**  
Instrument Holding Bars  
slotted silicone strip for holding racks,  
available for 3, 5 and 10 instruments

E45-182+ number of instruments



clip design closure

**EZHold®**  
Standard Instrument Cassettes  
hinged top cover with clip design closure

- \*E45-205 5 instruments (180 x 60 x 25 mm)
- \*E45-210 10 instruments (180 x 140 x 25 mm)

**KEY BENEFITS**

- unique hinge design with clip closure or twist lock
- slotted silicone bar can accommodate instruments with diameters ranging from 2.5 mm to 10 mm
- economical, durable and functional
- on-hand availability



twist lock

**EZHold®**  
Premium Instrument Cassettes  
hinged top cover with twist lock

- \*E45-208 for 8 instruments (185 x 140 x 35 mm)
- \*E45-216 for 16 instruments (280 x 180 x 35 mm)

\* also available with silicone finger mats, please add “M” to catalogue no.

**STERILISING EQUIPMENT**

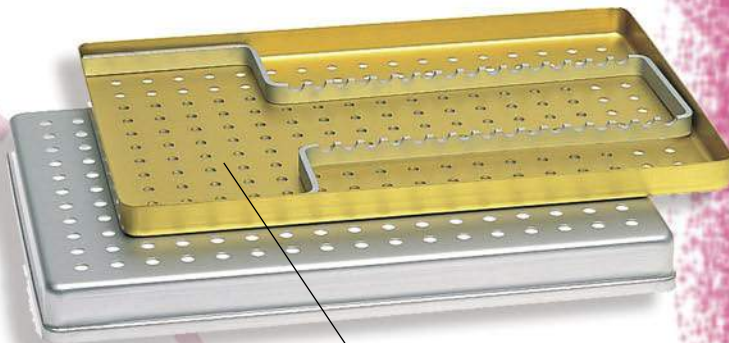


**EZHold®**  
Instrument Sterilising Box  
anodised aluminium, 280x180x19 mm,  
perforated lid and bottom, complete with  
instrument holder for 16 instruments

**E45-226+** colour

- +Silver
- +Yellow
- +Red
- +Azur
- +Green
- +Turquoise

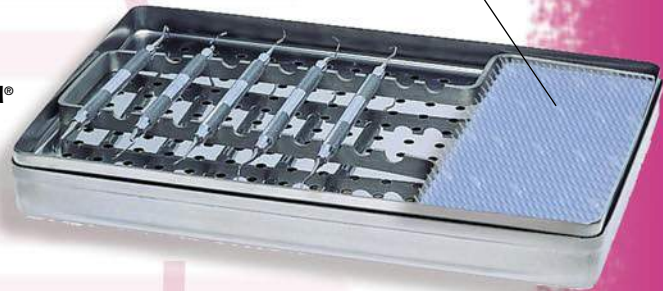
please note that only the bottom is coloured



Storage space for bipolar cords, I/A accessories, etc.  
accommodates also silicone finger mats and silicone  
nap plates for best protection of instruments

**EZHold®**  
Instrument Sterilising Box  
18/8 stainless steel, 280 x 180 x 19 mm,  
perforated lid and bottom, complete with  
instrument holder for 11 instruments

**E45-221**



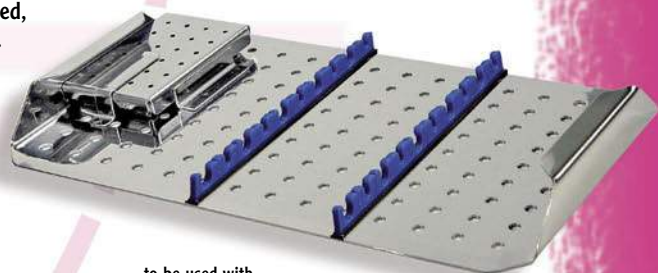
supplied without instruments  
and silicone finger mat

**EZHold®**  
Insert Instrument Tray  
18/8 stainless steel, perforated,  
complete with needle case and...

**E45-246** silicone instrument bars

**E45-247** silicone finger mat

**E45-248** silicone nap plate



to be used with  
E45-245 instrument box

**EZHold®**  
Instrument Sterilising Box  
18/8 stainless steel, 245 x 134 x 35 mm,  
perforated lid and bottom

**E45-245**



instrument box to hold  
E45-246 to E45-248 instrument tray

**STERILISING EQUIPMENT**



Stainless steel guarantees a solid exterior -wear-resistand surface - and even after long-term use stainless steel shows inself at its best.



**Instrument Box**  
(165 x 90 x 35 mm)  
lid with variable aperture,  
with silicone instrument rack

**E45-160 complete**

**E45-161 box only**

**E45-162 rack only**

**for Hot Air Sterilisation**

**Instrument Sterilising Case**  
(210 x 125 x 20 mm)  
perforated lid and base,  
with silicone finger mat

**E45-150 complete**

**E45-151 case only**

**E45-152 mat only**

Designed to protect a set of 8-12 microsurgical instruments.  
When the lid is closed, the tips of the cone shaped nubbins  
contact the inside of the lid preventing the instruments  
from moving within the case.



**Medicine Cup**  
graduated inside

**E45-172 25 ml**

**E45-175 50 ml**



**Solution Bowls**  
stainless steel, rounded corners

ø x h

**E45-882 40 x 19 mm (0.05 l)**

**E45-883 61 x 30 mm (0.07 l)**

**E45-884 80 x 40 mm (0.14 l)**

**E45-885 128 x 55 mm (0.45 l)**

**E45-886 147 x 65 mm (0.70 l)**

**E45-887 167 x 75 mm (1.10 l)**

**E45-888 187 x 85 mm (1.60 l)**



**for solution and sponge material**



**Kidney Dishes**  
stainless steel, curled edges

**E45-817 170 x 100 x 30 mm (0.25 l)**

**E45-825 250 x 140 x 40 mm (0.50 l)**

**E45-827 275 x 150 x 50 mm (0.75 l)**

**for solution and dressing material**

## EZHold® SILICONE RACKS AND NAP PLATES

PMO



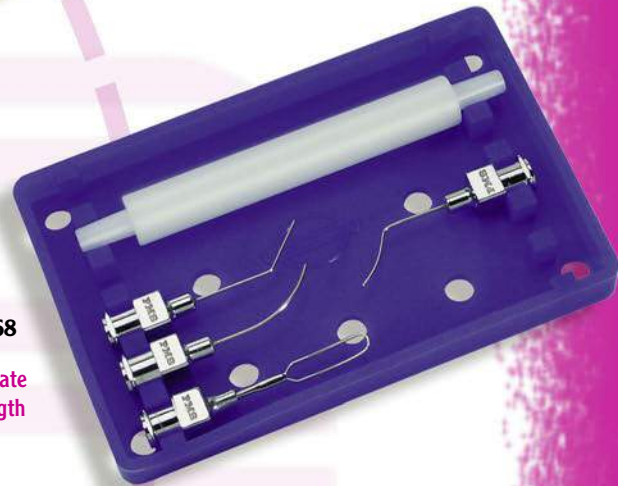
Silicone racks and soft silicone nap plates with wide spaced, coarse pins are ideal for safe storage and positioning of delicate surgical instruments in sterilising trays.



Silicone Instrument Rack  
(160 x 85 x 20 mm)

E45-162

holds 10 single-armed instruments of  
100 to 120 mm total length, can be  
used with E45-161 sterilisation tray



Silicone Cannula Rack  
(85 x 55 x 8 mm)

E45-168

for conventional cannulae and delicate  
instruments of max. 80 mm total length

all racks supplied without instruments

Silicone Nap Plates  
soft material with wide spaced coarse pins;  
for standard eye surgical instruments

E45-136 for E45-131

E45-137 for E45-132

E45-138 for E45-133

E45-139 600 x 300 mm  
can be cut to size



Each instrument should be placed carefully  
in the silicone racks or on nap plates  
to prevent movement and possible  
damage during handling.

STERILISING EQUIPMENT



**LIGHT WEIGHT INSTRUMENT STERILISATION TRAYS**

PolyVac® Minitainer are made of autoclavable plastic Radel® and intended for the protection, organisation and the delivery of surgical instruments to the sterile field. They are designed to facilitate the sterilisation process when used in conjunction with soft wrapping material or a rigid sterilisation container, which allow air removal, steam penetration/evacuation (drying) & maintain the sterility of the internal components.



Minitainer Sterilisation Tray with silicone holding bar for:

- E45-001 1 instrument
- E45-002 2 instruments
- E45-003 3 instruments

*safely stores  
micro instruments*

Micro Instrument Sterilisation Tray with silicone finger mat to hold:

- E45-004 180 x 50 x 18.5 mm (up to 4 instruments)
- E45-005 180 x 75 x 18.5 mm (3 to 5 instruments)
- E45-008 190 x 102 x 19 mm (5 to 8 instruments)
- E45-015 267 x 160 x 16 mm (10 to 15 instruments)
- E45-025 267 x 160 x 35 mm double level tray (20+ instruments)

**STEAM**

Base, lid and mat are perforated for steam penetration.

**PREPARATION & LOADING**

When preparing sterilisation trays it is important to remember that the sterilant must be able to contact the instrument, so there must be space between the instrument and holding device. Once cleaned, prepared and packaged the trays are ready to be sterilised.



**AVAILABLE ON REQUEST**

Instrument sterilisation trays with customised teflon inserts.

**STERILISING EQUIPMENT**





Sometimes you find partners who have products that work really well with your products. In our efforts to help our customers we have partnered with some of the best. On request, we can offer you an interesting range of speciality products for cleaning, disinfection, lubrication, storage and sterilisation.



**CLEANING AND DISINFECTION**

OPTIM® 33TB surface cleaner and disinfectant for medical products is the optimal choice in infection control. Ready-to-use wipes and liquid (with spray applicator for 1l bottles) are your ideal partner for proper care and cleaning of surgical instruments.



**ULTRASONIC CLEANING DEVICES**

SONOREX® ultrasonic cleaners and cleaning/disinfection agents are best suitable for intensive cleaning of stainless steel surgical instruments. Trust SONOREX® for all your ultrasonic cleaning needs, we do.

**LUBRICATION**

Our master instrument makers prefer special oil spray -free of silicone- for lubricating joints, box locks and ratches. RS-SPRAY No. 2820 rust preventing spray (see page 26) and DR. WEIGERT neodisher® IP Spray are best to avoid stains, crusts and rust-growth on instrument surfaces.



**INSPECTION**

After each cleaning all instruments should be carefully checked for cleanliness and inspected -if necessary under the microscope- for correct operation. We have access to a broad range of stereo microscopes, magnifying loops and spectacles manufactured by M/s Eschenbach Optik GmbH, a German specialist of Vision Technology Products



**STERILISATION**

PMS EZWash® trays and EZLoad® sterilisation containers and accessories have been used in nearly all modern sterilisation methods with excellent results. They are in conformity with valid quality standards with regard to materials, sterilisation, handling, transportation and storage. For typical steam autoclave cycles, the following are recommended times and temperatures developed from outside testing:



		<b>132°/134° C</b>
		<b>270°/273° F</b>
<b>≥ 10 Min.</b>		<b>≥ 4 Min.</b>
<small>EN Unwrapped only, in sterilization tray, gravity displacement steam sterilization cycle</small>		<small>EN Prevacuum steam sterilization cycle, in sterilization tray, wrapped or unwrapped</small>

Regardless of which sterilisation method is used, always follow instructions supplied by the manufacturer of the steriliser.

**STERILISING EQUIPMENT**