

# OPHTHALMIC PRODUCTS

# EYESFIRST®

ACCESSORIES

ADHESIVE FOILS

BINOCULARITY TESTS

COLOUR TESTS

EARLY INTERVENTION

EYE DRESSINGS

LENS OCCLUDERS

LOW VISION TESTS

OCCCLUSION EYE PATCHES

OPHTHALMOSCOPES

PRISMS

REFRACTION

STEREO TESTS

SURGICAL INSTRUMENTS

VISUAL ACUITY TESTS

VISUAL REHABILITATION



EDITION 2021/2022

**Legal notice:**

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# OPHTHALMIC PRODUCTS

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Eye Patches, Eye and Wound Dressing Materials

## EYESFIRST®

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## General information:

! Some products may not be available in all countries. For further information please contact the appropriate country representative and / or refer to our international trading partners list. !

# Certified according to EN ISO 13485:2016



## Certificate

**The Certification Body**  
MEDCERT Zertifizierungs- und Prüfungsgesellschaft für die Medizin GmbH  
Pilatuspool 2 – 20355 Hamburg – Germany

herewith confirms that the company

**Trusetal Verbandstoffwerk GmbH**  
Konrad-Zuse-Straße 15  
33758 Schloß Halte - Stukenbrock  
Germany

has introduced, applies and maintains a Quality Management System in the area of:

**Design, purchase, manufacture, final inspection, storage and distribution of medical devices as per attachment 1**

The compliance of the Quality Management System with the requirements of the below mentioned standard was verified by an audit:

**EN ISO 13485:2016**

The license of certification is subject to surveillance by MEDCERT.


**This certificate is valid until: 06 October 2021**

Report No.: 1779FS21F  
Process No.: QS – 1779  
Certificate No.: 1779GB445181025

Hamburg, 25 October 2018



MEDCERT Certification Body  
(Rainer Klatt)



## Attachment 1 Certificate QS – 1779

This attachment is valid only in connection with certificate No: 1779GB445181025

**Design, purchase, manufacture, final inspection, storage and distribution of**

- Tissue adhesives
- Injection pen needles


**Purchase, manufacture, final inspection, storage and distribution of**

- Sterile eye surgery kit packs


**Purchase, storage and distribution of**

- Plasters
- Compresses
- Dressing materials
- Vision tests
- Diagnostic instruments
- Prism-foils
- Occlusion-foils
- Sphärallelensfoils
- Ophthalmological instruments and their accessories

Hamburg, 25 October 2018



MEDCERT Certification Body  
(Rainer Klatt)



# ORTOPAD®

TRUSETAL  
VERBANDSTOFFWERK GMBH

We will continue  
to strive to  
protect the  
environment.





# ORTOPAD®

is made of exceptionally soft and breathable fleece with special light-excluding pad and an exceptionally skin-friendly hypo-allergenic adhesive.

All ORTOPAD® eye patches are latex-free and hypo-allergenic.

## General information:

Every box of ORTOPAD® SOFT boys and girls, ORTOPAD® boys, ORTOPAD® girls and ORTOPAD® funpack contains

- 5 different designs
- one set of instructions

## Sizes of ORTOPAD® eye patches:

<b>Junior</b>	approx. 67 mm x 50 mm (up to age 2 years)
<b>Medium</b>	approx. 76 mm x 54 mm (from age 2 to 4 years)
<b>Regular</b>	approx. 85 mm x 59 mm (upwards of age 4 years)

## The advantages at a glance:

- ergonomic shape
- nasal slits for improved fitting
- soft light-excluding pad
- hypo-allergenic adhesive



## ORTOPAD® BOYS

The designs on these occlusion eye patches were created especially to appeal to boys. Five designs with a soft layer, ergonomic shape, nasal slits, a light-excluding centre pad and a very skin-friendly adhesive.

### ORTOPAD® boys:

Junior	Qty: 50	Stock code: US70234
Medium	Qty: 50	Stock code: US70235
Regular	Qty: 50	Stock code: US70236



## ORTOPAD® GIRLS

These occlusion eye patch designs were created especially for girls. Five designs with a soft layer, ergonomic shape, nasal slits, a light-excluding centre pad and a very skin-friendly adhesive.

### ORTOPAD® girls:

Junior	Qty: 50	Stock code: US70231
Medium	Qty: 50	Stock code: US70232
Regular	Qty: 50	Stock code: US70233



## Bamboo as carrier material:

Working responsibly with nature and its raw materials is very important to us, even more so as we are a supplier of single-use medical devices. We therefore focus on sustainable, resource-saving production when choosing the materials to be used. Therefore our ORTO-PAD® eye patches are made from a soft, sustainable bamboo fleece.

### For the sake of the environment

Bamboo scores high with its positive eco-balance. The processed raw material simultaneously has very good skin compatibility. The patches are soft, yet durable and allow the skin to breathe optimally.

With a growth rate of up to one metre per day, bamboo is one of the fastest-growing and most renewable raw materials in the world. The special thing about it is that after the harvesting of the stalks the plant remains live, because the rootstock repeatedly sprouts anew. This root system with its widely branching runners also prevents soil erosion.

Compared to traditional woods, bamboo produces much more biomass, thanks to its rapid growth with comparatively low energy input. Bamboo also contributes naturally to reduction of the greenhouse effect. Thanks to its rapid growth, bamboo absorbs a considerable amount of CO<sub>2</sub>, whilst producing large amounts of oxygen.

The versatile applicability ultimately make it an ecologically valuable alternative to a variety of resource-scarce raw materials. Therefore we have selected bamboo as the fleece for our eye patches.





ORTOPAD®

# Heroes of therapy

with a novel adhesive and powerful designs



...the gentle solution

# ORTOPAD®

# Fivefold strong support

with your premium patch in occlusion therapy

**Ergonomic and supple:**

for any eye area

**Breathable and soft:**

made from sustainable bamboo fleece



**Hypoallergenic and skin-friendly:**

for sensitive young skin

**Gentle and residue-free:**

easy to remove despite secure attachment

**Colourful and extraordinary:**

varied designs to suit every taste

...the gentle solution

# ORTOPAD<sup>®</sup> SOFT

## UNIQUE SOFT TEXTURE



### ORTOPAD<sup>®</sup> SOFT boys



Unique texture eye patches appealing to boys with a soft fleece, ergonomic shape, nasal slits, a light-excluding centre pad and a very skin-friendly adhesive.

ORTOPAD <sup>®</sup> SOFT boys		
Junior	Qty: 50	Stock code: IN73525
Medium	Qty: 50	Stock code: IN73526
Regular	Qty: 50	Stock code: IN73527



### ORTOPAD<sup>®</sup> SOFT girls



Unique texture eye patches appealing to girls with a soft fleece, ergonomic shape, nasal slits, a light-excluding centre pad and a very skin-friendly adhesive.

ORTOPAD <sup>®</sup> SOFT girls		
Junior	Qty: 50	Stock code: IN73425
Medium	Qty: 50	Stock code: IN73426
Regular	Qty: 50	Stock code: IN73427

Stock codes may change during the year - please enquire.

Note: Qty = Quantity







## Large scale designs

The large scale designs on these occlusion eye patches were created especially to appeal to boys. Five designs with a soft layer, ergonomic shape, nasal slits, a light-excluding centre pad and a very skin-friendly adhesive.



### ORTOPAD® boys large scale designs:

Junior	Qty: 50	Stock code: IN73325
Medium	Qty: 50	Stock code: IN73326
Regular	Qty: 50	Stock code: IN73327



## Large scale designs

The large scale designs on these occlusion eye patches were created especially to appeal to girls. Five designs with a soft layer, ergonomic shape, nasal slits, a light-excluding centre pad and a very skin-friendly adhesive.



### ORTOPAD® girls large scale designs:

Junior	Qty: 50	Stock code: IN73225
Medium	Qty: 50	Stock code: IN73226
Regular	Qty: 50	Stock code: IN73227

Glow in the dark



## Large scale designs

Occlusion eye patches with large scale designs for boys and girls. Ergonomic shape, nasal slits and a very skin-friendly adhesive, a light-excluding centre pad on a soft layer ensure optimal comfort.



### ORTOPAD® funpack

Junior	Qty: 50	Stock code: US70237
Medium	Qty: 50	Stock code: US70238
Regular	Qty: 50	Stock code: US70239



Note: Qty = Quantity



# ORTOPAD®



Every box includes colourful stickers for decorating the occlusion eye patches.



White occlusion eye patches for use in occlusion treatment. ORTOPAD® is made of exceptionally comfortable and breathable fleece, is remarkably soft and especially suitable for use on all sensitive skin types. With light-excluding centre pad and very skin-friendly adhesive.

### ORTOPAD®

Junior	Qty: 50	Stock code: US70021
Medium	Qty: 50	Stock code: US70022
Regular	Qty: 50	Stock code: US70024



# ORTOPAD® Skin



Every box includes colourful stickers for decorating the occlusion eye patches.



This beige-coloured occlusion eye patch is extremely gentle to skin. The soft fleece offers outstanding comfort and breathability and comes with a special light-excluding centre pad and very skin-friendly adhesive.

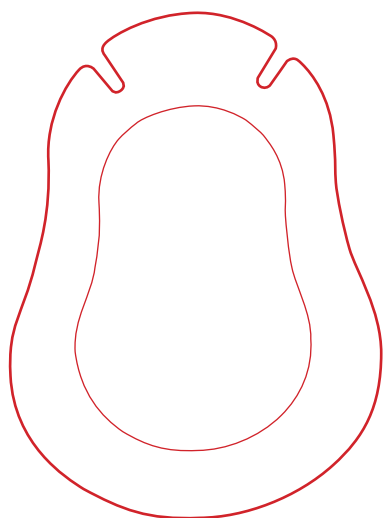
### ORTOPAD® Skin

Junior	Qty: 50	Stock code: US70121
Regular	Qty: 50	Stock code: US70124

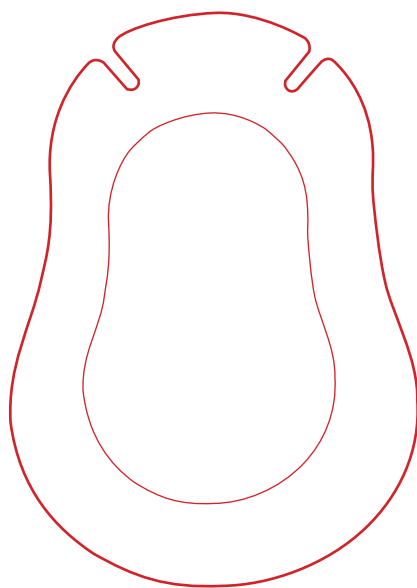
Stock codes may change during the year - please enquire.

Note: Qty = Quantity

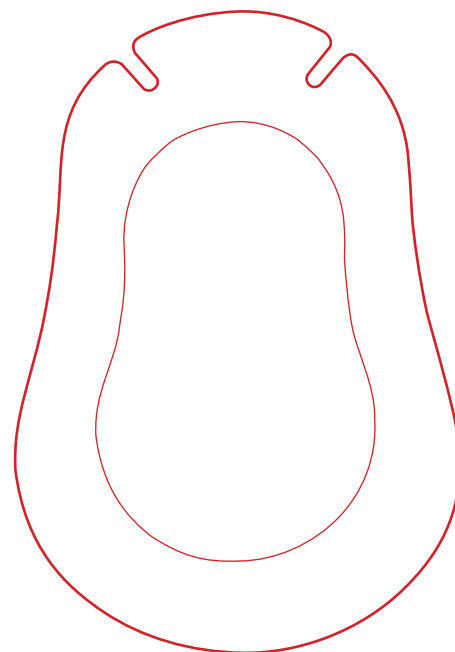
## Illustration of the ORTOPAD® outlines in original size



**J** approx. 67 mm x 50 mm (up to age 2 years)



**M** approx. 76 mm x 54 mm (from age 2 to 4 years)



**R** approx. 85 mm x 59 mm (upwards of age 4 years)



## Information about MASTER.AID® products

ORTOPAD® eye patches are manufactured with a gentle low-peel adhesive without latex and solvents – an acrylate-based hot-melt adhesive. This adhesive is especially suitable for children's sensitive skin. It ensures reliable adhesion of the occlusion patches during the entire wearing period and allows particularly gentle, residue-free removal.

### Pain-free removal

Thanks to the low-peel property of the adhesive, the skin is subjected to significantly less stress upon removal of the eye patch than it is when patches with conventional adhesives are used. Skin redness and irritation are avoided, and the sensitive eye area is treated with maximum care. The gentle, low irritation detachment enables occlusion therapy without anxiety and leads to increased compliance and better treatment success.



### Maximally breathable

Low-peel adhesives have similar properties to silicone-based products, but unlike these, they allow exceptionally high breathability. With a water vapour permeability of 5787 g per m<sup>2</sup> within 24 hours, the skin can breathe 11 times more with an ORTOPAD® eye patch than specified by the limit of 500 g per m<sup>2</sup> during 24 hours.



### Eco-friendly processing

Hot-melt adhesives ensure a clean production process. No solvents are released during the coating of the substrate. This benefits the production employees as well as our environment.



**ORTOPAD® eye patches**  
**For more compliance in daily therapy!**



## ORTOLUX®

Sterile, ergonomically contoured self-adhesive eye shield with transparent, unbreakable chamber (11 mm depth). Hypo-allergenic due to a very skin-friendly adhesive. Especially suitable for maintaining a moisture chamber in cases of lagophthalmos and after care for LASIK surgeries. The shield enables a wide visual field.

**Chamber depth: 11 mm**  
**Chamber size large: 56 mm x 37 mm**  
**Chamber size small: 47 mm x 30 mm**

Available in two different sizes:

**small Qty: 1 Stock code: 70105**

**small Qty: 20 Stock code: 70106**

Total size: approx. 96 mm x 67 mm

**large Qty: 1 Stock code: 70107**

**large Qty: 20 Stock code: 70108**

Total size: approx. 113 mm x 80 mm



## ORTOLUX® AIR

Sterile, ergonomically contoured self-adhesive eye shield with transparent, unbreakable chamber (11 mm depth) and with peripheral perforation for comfortable aeration of the eye area, without visual field limitation.

Especially suitable for post-operative use (e.g. after cataract operations) and for protective care of the eye.

**Chamber depth: 11 mm**  
**Chamber size large: 56 mm x 37 mm**  
**Chamber size small: 47 mm x 30 mm**

Available in two different sizes:

**small Qty: 1 Stock code: 70135**

**small Qty: 20 Stock code: 70136**

Total size: approx. 96 mm x 67 mm

**large Qty: 1 Stock code: 70137**

**large Qty: 20 Stock code: 70138**

Total size: approx. 113 mm x 80 mm

Note: Qty = Quantity

## Eye shields

Aerated eye shields, for protective care of the eye and after eye-surgery, transparent.

Transparent, non-sterile

**Qty: 125 Stock code: 59012**

**Qty: 1 Stock code: 59011**

Size: approx. 80 mm x 66 mm





With nasal slits for better fitting

## OPTOMED®

Sterile, self-adhesive eye compresses. Made of comfortable and breathable non-woven fleece with a thick wound pad and a remarkably gentle adhesive. Suitable for quick and sterile wound care in medical practices and clinics or for after care by patients at home. Also as occluder for visual field examination.

Qty: 10      **Stock code: 70118**  
 Qty: 25      **Stock code: 70119**

Size:            approx. 96 mm x 66 mm  
 Wound cover: approx. 66 mm x 37 mm



## OPTOMED® SIMPLEX

Sterile, fused edge, non-adhesive eye compresses with outstanding moisture absorbency and a thick wound pad. Also comfortable when wearing glasses and for children. For use in post-operative treatment, with corneal injuries and ointment dressings.

Qty: 25      **Stock code: 70205**

**Sterile bulk for major use:**

Qty: 500      **Stock code: 70206**

Size: approx. 65 mm x 57 mm



## ROLLPORE®

White, remarkably soft plaster for highly sensitive skin; with hypo-allergenic adhesive. Rolled up on an x-ray translucent plastic ring. The supporting material consists of thin polyester viscose fleece.

1.25 cm x 5 m      Qty: 18      **Stock code: 70055**  
 2.5 cm x 5 m      Qty: 12      **Stock code: 70056**  
 5 cm x 5 m      Qty: 6      **Stock code: 70057**



## ROLLSILK®

White silk plaster with hypo-allergenic adhesive rolled up on an x-ray translucent plastic ring. Breathable, easy to tear material.

1.25 cm x 5 m      Qty: 18      **Stock code: 70050**  
 2.5 cm x 5 m      Qty: 12      **Stock code: 70051**  
 5 cm x 5 m      Qty: 6      **Stock code: 70052**



**With glow effect!**

## INJECTION and INJECTION color

All around adhesive injection plaster on a roll. Breathable strip made of soft non woven fleece (cotton). Particularly indicated for wound dressing and protection after injection. Hypo-allergenic adhesive, suitable even for sensitive skin of children and seniors.

Size: approx. 39 mm x 18 mm  
Qty: 100 on a roll

<b>INJECTION white</b>	
Qty: 100 on a roll	Stock code: 70425
<b>INJECTION color</b>	Ladybird beetle
Qty: 100 on a roll	Stock code: 70424
<b>INJECTION color</b>	SPOOKY
Qty: 100 on a roll	Stock code: 70477



## QUADRA<sup>®</sup>MED ROUND/SQUARE

The small, white adhesive wound dressings made of soft non-woven fabric are particularly kind to the skin. The antiseptic wound pad effectively supports the prevention and treatment of bacterial wound infections. Both formats are on a roll, hygienically protected in the dispenser box and easy to tear off perforations.

<b>QUADRA<sup>®</sup>MED ROUND</b>	Ø = 25 mm
Qty: 150	Stock code: 70074
<b>QUADRA<sup>®</sup>MED SQUARE</b>	38 mm x 38 mm
Qty: 100	Stock code: 70075



## CUTIFLEX<sup>®</sup> ROUND/SQUARE

Both small-format adhesive film dressings offer waterproof and visually discreet wound protection. They are individually sealed, rolled (with perforation for tearing off) and hygienically protected in the dispenser box. The polyurethane film allows moisture to pass through unhindered from inside outwards. Two base film layers allow wrinkle-free application.

<b>CUTIFLEX<sup>®</sup> ROUND</b>	Ø = 25 mm
Qty: 150	Stock code: 70007
<b>CUTIFLEX<sup>®</sup> SQ ARE</b>	38 mm x 38 mm
Qty: 100	Stock code: 70008



Format 1

Format 2

Format 1		Format 2	
32 mm x 8 mm	Qty: 5	75 mm x 3 mm	Qty: 15
70 mm x 13 mm	Qty: 5	75 mm x 6 mm	Qty: 12
32 mm x 8 mm	Qty: 60	75 mm x 3 mm	Qty: 180
70 mm x 13 mm	Qty: 60	75 mm x 6 mm	Qty: 144

## STERIGRAP<sup>®</sup>

Sterile wound closure strips made of non-elastic supporting fleece. For extremely effective wound closure and to treat lacerations without the need for suturing. Only 2.5 mm (3.5 mm) wide in the middle, ends widened to 8 mm (13 mm). With hypo-allergenic adhesive.



**FROM PAGE 86**

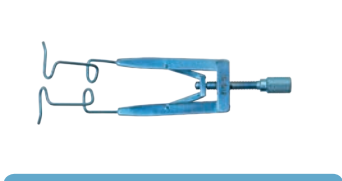
# Surgical Instruments



**CHOPPERS**



**CANNULAS**



**SPECULAE**

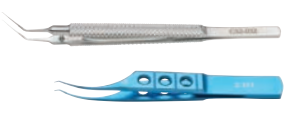


**MANIPULATORS**

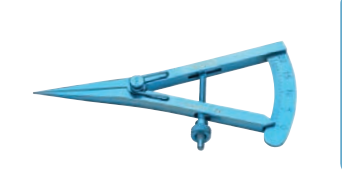
**NEEDLE HOLDERS**



**FORCEPS**



**SCISSORS**



**MISCELLANEOUS**

Please find more information in our online-shop:

[www.eyesfirst.eu](http://www.eyesfirst.eu)





Each prism foil with marking of base and power

## Adhesive Prism foils

For use in diagnostics and treatment, especially for pre-operative prism compensation and medium-term use with changing angles. High image quality because of high quality plastic support material.

Available power:

1 $\Delta$ , 2 $\Delta$ , 3 $\Delta$ , 4 $\Delta$ , 5 $\Delta$ , 6 $\Delta$ , 7 $\Delta$ , 8 $\Delta$ , 9 $\Delta$ , 10 $\Delta$ , 12 $\Delta$ , 15 $\Delta$ , 17.5 $\Delta$ , 20 $\Delta$ , 25 $\Delta$ , 30 $\Delta$ , 35 $\Delta$

Please specify the desired power when placing your order.

Size: approx. 67 mm x 67 mm



## Adhesive Occlusion foils

For use with amblyopia and strabismus treatment as an alternative to occlusion eye patches (ORTOPAD®) and glassmounted occluders (luxeye®). Especially suitable for treatment of diplopia and for use as gradually reduced occlusion.

Available power:

Full occlusion: beige, neutral grey, blue (patterned). Light perception foils as: light perception, < 0.10, 0.10, 0.20, 0.30, 0.40, 0.60, 0.80

The grades indicate the possible visual acuity through the film (for a reference visual acuity of 1.00 decimal).

Available as sheet, suitable for up to 10 foils or as individual foil.

Individual foil sizes blue :

approx. 4,3 cm x 5,2 cm

Individual foil sizes (except blue):

approx. 5,3 cm x 5,2 cm

Sheet size: approx. 21,5 cm x 10,5 cm

Please specify the desired power when placing your order.



**NEW!**

## Adhesive Spherical foils segments

For medium-term use with accommodative strabismus and hypo-accommodation prior to prescription of bifocal glasses.

Also suitable for use in treatment of Low Vision.

Available power:

+1.25 D, +1.50 D, +1.75 D, +2.00 D, +2.50 D, +3.00 D

Please specify the desired power when placing your order.

Size: approx. 30 mm x 17 mm

Each pack contains two lens segments.



## Prism Bars

### Prism Bar – horizontal (Luneau)

Available power: 1△, 2△, 4△, 6△, 8△, 10△, 12△, 14△, 16△, 18△, 20△, 25△, 30△, 35△, 40△

Stock code: 55401

### Prism Bar – vertical (Luneau)

Available power: 1△, 2△, 3△, 4△, 5△, 6△, 8△, 10△, 12△, 14△, 16△, 18△, 20△, 25△

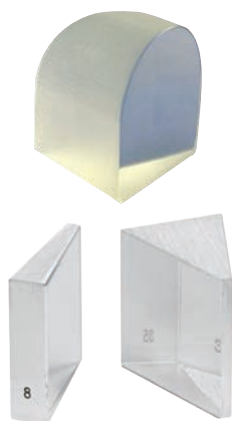
Stock code: 55402

### Prism Bar set (Luneau)

Horizontal and vertical

Power from 1△ to 40△ horizontal, 1△ to 25△ vertical, 30△ and 45△ as individual prism.

Stock code: 55400



### Individual prisms rounded (Luneau)

For individual choice.

Available power:

2△, 4△, 6△, 10△, 12△, 14△, 20△, 50△

### Individual prisms square (Gulden)

For individual choice.

Available power:

1△, 2△, 3△, 4△, 6△, 8△, 10△, 12△, 18△, 20△, 25△, 30△, 35△, 40△, 45△, 50△

Please specify the desired power when placing your order.

## Prism Vergence sticks and glasses



### Prism Vergence sticks

Prism power: 3△ and 12△

(GL 477700)

Stock code: 53011

Prism power: 2△ and 6△

(GL 477702)

Stock code: 53027

For easy vergence testing and treatment.

### Prism Vergence glasses

Prism power: 3△ and 12△

(GL 477701)

Stock code: 53024

Without handle

## Prism sets



### Block Prism set 22 square prisms (Luneau)

Power from  $1/2\Delta$  to  $50\Delta$ ,  
separate red lens.

Power ( $\Delta$ ): 1/2, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10,  
12, 14, 16, 18, 20, 25, 30, 35, 40, 45, 50

Stock code: 55403



### Block Prism set 22 rounded prisms (Luneau)

Power from  $1/2\Delta$  to  $50\Delta$ ,  
separate red lens.

Power ( $\Delta$ ): 1/2, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10,  
12, 14, 16, 18, 20, 25, 30, 35, 40, 45, 50

Stock code: 55404



### Block Prism set 16 square prisms (Luneau)

Power from  $1/2\Delta$  to  $50\Delta$ ,  
separate red lens.

Power ( $\Delta$ ): 1/2, 1, 2, 4, 6, 8, 10, 12, 15, 20,  
25, 30, 35, 40, 45, 50

Stock code: 55405



### Block Prism set 16 rounded prisms (Luneau)

Power from  $1/2\Delta$  to  $50\Delta$ ,  
separate red lens.

Power ( $\Delta$ ): 1/2, 1, 2, 4, 6, 8, 10, 12, 15, 20,  
25, 30, 35, 40, 45, 50

Stock code: 55406



### Prism set S-4 square (Gulden)

Power ( $\Delta$ ): 5, 10, 15, 20  
plus 1 red lens

(GL 113040)

Stock code: 55425



### Prism set S-8 square (Gulden)

Power ( $\Delta$ ): 2x each 5, 10, 15, 20  
plus 1 red lens

(GL 113080)

Stock code: 55426



### Prism set 16 pieces square (Gulden)

Power ( $\Delta$ ): 1/2, 1, 2, 4, 6, 8, 10, 12, 15, 20,  
25, 30, 35, 40, 45, 50  
plus 1 red lens

(GL 444900)

Stock code: 55427



### Prism set 22 pieces square (Gulden)

Power ( $\Delta$ ): 1/2, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12,  
14, 16, 18, 20, 25, 30, 35, 40, 45, 50  
plus 1 red lens

(GL 444500)

Stock code: 55428

# PAEDIATRIC VISION TESTS

## Far distance tests

- LEA SYMBOLS® – single book** Stock code: 52008 Page 29  
**LEA SYMBOLS®/ E-hooks wallchart** 15 lines Stock code: 52035 Page 28  
**LEA SYMBOLS® – foldable** 10 lines Stock code: 52054 Page 28

## Near vision tests

- LEA SYMBOLS® card** Stock code: 52016 Page 31  
**LEA SYMBOLS® / LEA™ NUMBERS® card** Stock code: 52018 Page 31

## Stereo tests

- Lang test I** Stock code: 54000 Page 68  
**Lang test II** Stock code: 54001 Page 68  
**Stereopsis Fly with LEA SYMBOLS®** Stock code: 54006 Page 69  
**Butterfly stereo test** Stock code: 54007-A Page 69

## Colour tests

- Ishihara colour test** 14 plates (or similar) Stock code: 56010 Page 70  
**Matsubara colour plates** 10 plates in a book Stock code: 56011 Page 70

## Opaque Glass Occluders

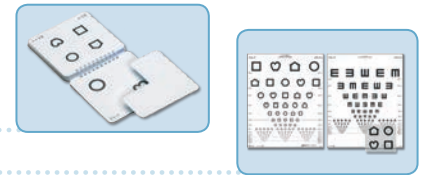
- Butterfly opaque glass occluder** Stock code: 53009 Page 58  
**Flip-Up Occluder Glasses, frosted lens** Stock code: 59598 Page 58  
**Flip-Up Occluder Glasses, opaque** Stock code: 59599 Page 58

## Ophthalmoscopes

- HEINE K 180® Ophthalmology set** Stock code: 57567 Page 81  
**HEINE mini 3000® LED Ophthalmoscope** Stock code: 57556 Page 80

## Paediatric Visual Acuity Set

- Consisting of #52018, #52035, #54000, #56011, #53009 Stock code: 52233 Page 33



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[www.eyesfirst.eu](http://www.eyesfirst.eu)





## Visual Development/Rehab tests

All tests and materials for visual development can also be used with adults suffering from perception difficulties and in visual rehabilitation as well as for Neuro-Orthoptics.

### LEA 3-D PUZZLE®

For training and testing of eye and hand co-ordination. To be used reciprocally.

Symbol size: 5.1 cm x 5.1 cm

Format: 17.2 cm x 17.2 cm (GL 251600)

Stock code: 52022



### LEA MAILBOX GAME®

For assessment of visual recognition of line orientations. Patients with brain lesions may show a discrepancy between the perception of a line orientation alone (mailbox slot) and the combination with hand function (putting the "letter" in the slot).

Ø ca. 21.60 cm

(GL 254700)

Stock code: 53509



### LEA RECTANGLES GAME®

For the testing of size perception in disabled children. Contains 10 rectangles in 2 colours and 5 sizes with a surface of 10.16 cm<sup>2</sup> each.

(GL 254600)

Stock code: 53505



### LEA™ Cone Adaptation test

The test does not replace a colour perception test, but allows the assessment of whether definite colour assignment is still possible at reduced luminance levels. The test simulates normal viewing conditions and can be played as a game..

Contents: 15 red, blue and white plastic chips

Format: 5 cm x 5 cm

(GL252900)

Stock code: 53506



### LEA SYMBOLS® Playing Cards

Symbols of different sizes for testing of near visual acuity in preschool children in the play situation.

Contents: 64 cards with symbols

Card size: 4 cm x 7 cm

(GL 252500)

Stock code: 53504



### LEA™ Domino Set

The domino set allows testing near-range vision in a child-oriented manner.

Contents: 3 x 16 cards

Size: 4 cm x 7 cm

(GL251500)

Stock code: 53520



# Visual Development/Rehab tests

All tests and materials for visual development can also be used with adults affected by perception difficulties and in visual rehabilitation as well as for Neuro-Orthoptics.



Stock code: 52021

## LEA™ Fixation Stick

With LEA SYMBOLS® and fixation targets

To effortlessly practice near vision in young children

Length: 11.5 cm

(GL 486200)

Stock code: 52021



Stock code: 52011

## LEA™ Single Presentation Cards

30 symbol cards with response plate included

VA from 0.10 to 2.50 (3 m)

Format: from 10 cm x 12.7 cm

to 12 cm x 12 cm

(GL 252700)

Stock code: 52011



Stock code:  
52052

## HEIDI® Expressions Test Game

The test enables early evaluation of vision for communication. It is particularly useful with children who have multiple disabilities.

Set contains 18 cards.

Format: 10.16 cm x 10.16 cm

(GL 254505)

Stock code: 52052



Stock code:  
52026

## HIDING HEIDI® – Low Contrast Test with 4 cards

Playful face test for testing of low contrast vision in infants.

In the contrast levels: black, 25 %, 10 %, 5 %, 2.5 % and 1.25 %

Contents: 4 cards, reciprocally printed

Format: 23 cm x 23 cm

(GL 253500)

Stock code: 52026

**NEW!**



Stock code:  
52228

## HIDING HEIDI® – Low Contrast Test with 7 cards

In the contrast levels: black, 25 %, 10 %, 5 %, 2.5 % and 1.25 %

Contents: 7 cards, single printed

Format: 23 cm x 23 cm

(GL 253510)

Stock code: 52228

# NEURO-ORTHOPTIC TESTS

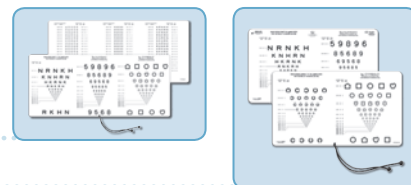
## Near vision test charts

Near vision test chart 3-1

Stock code: 52095 Page 30

Near vision test chart 4-1

Stock code: 52193 Page 30



## Visual field tests

Confrontation test 30°

Stock code: 53512 Page 72

## LEA Fixation Targets Heidi®

HEIDI®/fixation paddle, medium (format: ø 13 cm)

Stock code: 52024 Page 26

HEIDI®/fixation paddle, small (format: ø 5 cm)

Stock code: 52025 Page 26



## Low Contrast test

HIDING HEIDI® Low Contrast test

Stock code: 52026 Page 23



## Low Contrast ring binders for screening

LEA SYMBOLS® – Low Contrast ring binder

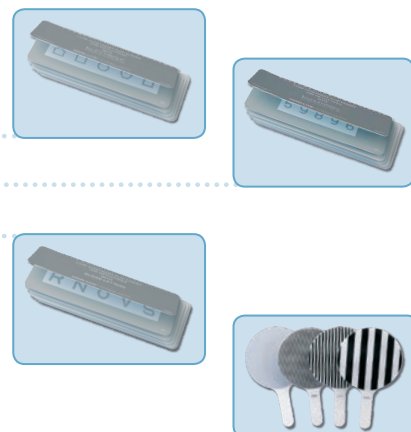
Stock code: 52028 Page 50

LEA NUMBERS® – Low Contrast ring binder

Stock code: 52075 Page 50

SLOAN LETTERS® – Low Contrast ring binder

Stock code: 52181 Page 50



## LEA GRATINGS® tests

LEA GRATINGS® Paddles

Stock code: 52023 Page 26

All items can be ordered by fax,  
phone or via our online-shop:

[www.eyesfirst.eu](http://www.eyesfirst.eu)

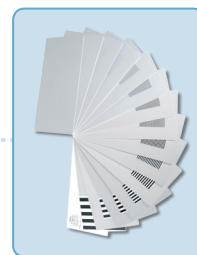
# NEURO-ORTHOPTIC TESTS

## Preferential Looking tests

**Teller Acuity Cards® II**

Stock code: 52001

Page 27



## Nystagmus glasses

**Nystagmus glasses** by Frenzel

Stock code: 53516

Page 60

## Refraction Glasses for children

**Tiger refraction glasses** +3.00 D

Stock code: 57012

Page 63



## Colour test

**LEA™ panel 16 – Colour test** (Format: Ø 13 cm)

Stock code: 56014

Page 71



## OKN Flags

**OKN flag** in red-white

Stock code: 53502

Page 60

**OKN flag** in black-white

Stock code: 53519

Page 60



## Stereo tests (based on preferential looking)

**Random-DOT-test "E"**

Stock code: 54018

Page 69

**PASS-Test 3 "Smiley"**

Stock code: 54010

Page 69



## Accessories

**Reversible Occluding Glasses**

Stock code: 57013

Page 76

**Visual Field Fatigue Diffuser**

Stock code: 53536

Page 73



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phone or via our online-shop:

[www.eyesfirst.eu](http://www.eyesfirst.eu)



## Fixation Targets

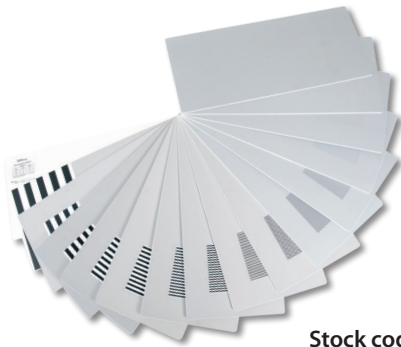
<b>LANG Fixation Stick</b> Reciprocally printed, Format: 14.7 cm length	<b>Stock code: 59513</b>
<b>LANG Fixation Cube</b> Fixation cube with 5 objects for children	<b>Stock code: 59518</b>
<b>LEA™ Fixation Cube – symbols, black/white</b> With LEA SYMBOLS® on a white background (GL 256400)	<b>Stock code: 59530</b>
<b>LEA™ Fixation Cube – figures, multicoloured</b> motifs suitable for children, red handle (GL 256300)	<b>Stock code: 59531</b>
<b>HOTV Fixation Cube</b> Black handle (GL 731011)	<b>Stock code: 59565</b>
<b>Bernell Fixation Stick</b> With red-green suppression test (GL 542050)	<b>Stock code: 59579</b>
<b>LEA™ Fixation Targets</b> Heidi®/fixation paddle, medium Format: Ø 13 cm (GL 253100) Heidi®/fixation paddle, small Format: Ø 5 cm (GL 253000)	<b>Stock code: 52024</b> <b>Stock code: 52025</b>



## LEA GRATINGS® tests

<b>LEA GRATINGS® Paddles</b> LEA GRATINGS® a preferential looking test to determine detection acuity in infants, children and adults with perception difficulties. Contains 4 paddles incl. case. VA 0.25 cpcm, 0.50 cpcm, 1.00 cpcm, 2.00 cpcm, 4.00 cpcm and 8.00 cpcm Format: Ø 20.3 cm (GL 253300)	<b>Stock code: 52023</b>
<b>LEA GRATINGS® Acuity Test</b> Allows determination of the distance at which the direction of the grating can be detected. In contrast to the grating paddles, the patient is asked about how he/she perceives the lines over the entire length and width of the test chart. 4 test charts in increments of 8.00 cpcm, 4.00 cpcm, 2.00 cpcm and 0.50 cpcm with demonstration card for the patient. Format: Ø 20.3 cm (GL 251300)	<b>Stock code: 52089</b>
<b>LEA GRATINGS® Contrast Test</b> For testing of contrast sensitivity under different contrast levels based on 4 grades (Contrast 10 %: 0.50 cpcm, 8.00 cpcm; Contrast 2.5 %: 0.50 cpcm and 4.00 cpcm). The test serves to determine the distance in which the patient can identify the direction of lines. Includes recording forms Format: Ø 20.3 cm (GL 253400)	<b>Stock code: 52051</b>





Stock code:  
52001

## Preferential Looking tests

For the testing of visual acuity of non-verbal children or persons with reduced vision and sensory disorders. Based on the principle of preferential looking.

### Teller Acuity Cards® II

For the testing of VA in non-verbal children or in subjects with reduced vision and perceptual disorders, with central monitoring hole. For testing in 1 m / 50 cm.

Contents: 16 plates, Size: 56 cm (width) x 25 cm (height)

Stock code: 52001

### Teller Acuity Cards® II

Half set with 8 plates (without image)

Stock code: 52001-H



Stock code:  
52000

### Cardiff Acuity Cards Standard Set (for age 6 months and older)

Visual acuity test based on the principle of preferential looking. Contents: 36 plates (B to M), Size: 23 cm (width) x 30 cm (height)

Stock code: 52000

### Cardiff Acuity Cards Low Vision Set (without image)

Contents: 36 plates (LVA to J), Size: 23 cm x 30 cm

Stock code: 52093

### Cardiff Acuity Cards Screening Set (without image)

Contents: 24 plates (LVA to M), Size: 23 cm x 30 cm

Stock code: 52092

### Cardiff Low Vision supplementing Cards (without image)

3 additional plates for Low Vision, VA 0.03, 0.039 and 0.05

Stock code: 59805

### Cardiff Contrast Sensitivity Test

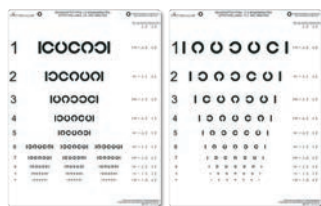
For the evaluation of contrast sensitivity with toddlers, infants, older children and persons with intellectual and perception impairment. All plates have images of the same size but in 12 contrast levels. 3 plates each per contrast level are based on the preferential looking principle. Contrast levels from 46 % to 1 %, equivalent to a contrast sensitivity of 2.17 to 100.

Contents: 36 plates, Format: 23 cm x 30 cm

Stock code: 52200



Stock code:  
52200



Stock code: 52003

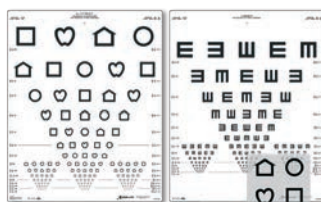
**NEW!**

## Far distance tests charts

### C-Test Set of 2 plates

Visual acuity test (5 m) containing a set of 2 plates with Landolt-rings (LR) of different optotype interspacing as well as at a short distance of 2.6" as serial optotypes (OCULUS®), VA: 0.16 to 1.25, Format: 74,5 cm x 57,6 cm

Stock code: 52003



Stock code: 52035

### LEA SYMBOLS®/Tumbling E Wallchart 15 lines

(GL 252800)

Stock code: 52035

### LEA SYMBOLS®/Landolt-C Wallchart 15 lines

(GL 252850)

Stock code: 52045

Reciprocally printed, response plate included (symbols)

VA from 0.125 to 2.50 (3 m)

Format: 43 cm x 53.4 cm

### LEA SYMBOLS® /Tumbling E Wallchart for 4 m / 5 m

Stock code: 52251

### LEA SYMBOLS® /Tumbling E Foldable chart for 4 m / 5 m

Stock code: 52251-A

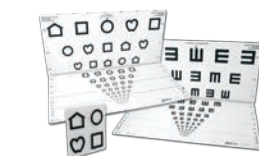
Reciprocally printed, response plate included (symbols).

Decimal notation only.

VA from 0.10 to 2.00 (4 m and 5 m)

Format: 57 cm x 54.5 cm (without image)

(GL 250225)



Stock code:  
52251-A

### LEA SYMBOLS® – Foldable chart 10 lines

(GL 250250)

Stock code: 52054

### LEA SYMBOLS® – Wall chart 10 lines

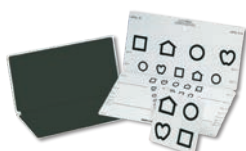
(GL 250220)

Stock code: 52254

Response plate included

VA from 0.125 to 1.25 (3 m)

Format: 40.6 cm x 40.6 cm



Stock code: 52054

**NEW!**

### LEA SYMBOLS® – Foldable chart 15 lines

Stock code: 52055

Response plate included

VA from 0.125 to 2.50 (3 m)

Format: 43 cm x 53.4 cm

(GL 250150)



Stock code:  
52055

### LEA SYMBOLS® – Foldable chart, Optotype interspacing 100 % / 25 %

Stock code: 52230

Reciprocally printed, for testing of crowding-phenomenon

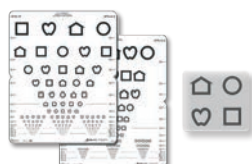
VA: 0.10 to 2.50 (3 m), Format: 43 cm x 54 cm

Response plate and cards included

(GL 250160)

**NEW!**

Stock code:  
52230



### LEA Numbers® – Foldable chart 15 lines

Stock code: 52122

Visus: 0.125 bis 2.50 (3 m)

Format: 43 cm x 53,4 cm

(GL 271100)



Stock code:  
52122

### SLOAN letters – Foldable chart

Stock code: 52180

Visus: 0.125 bis 2.50 (3 m)

Format: 45,7 cm x 45,7 cm

(GL 735000)



Stock code:  
52180

### Landolt-C – Foldable chart, Optotype interspacing 100 % / 25 % 8 positions, reciprocally printed

Stock code: 52220

VA: 0.10 bis 2.50 (3 m)

Format: 45,7 cm x 45,7 cm

(GL 779200)



**NEW!**

Stock code:  
52220

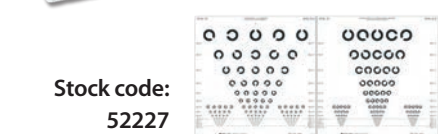
### Landolt-C – Wallchart, Optotype interspacing 100 % / 25 % 8 positions, reciprocally printed

Stock code: 52227

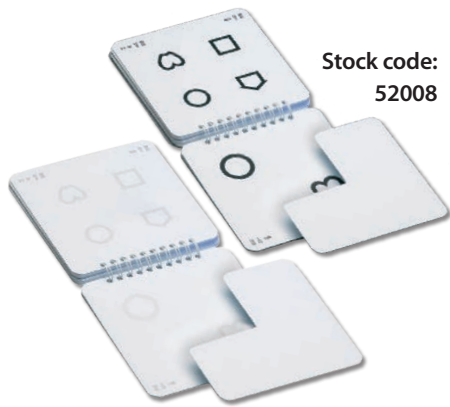
VA: 0.10 bis 2.00 (3 m)

Format: 47 cm x 46 cm

(GL 779400)



Stock code:  
52227



Stock code:  
52008

## LEA™ Ring Binders distance 3 m

**LEA SYMBOLS® – single book** Stock code: 52008  
 With response chart and cover plate  
 VA from 0.10 to 2.50 (3 m)  
 Format: 12.7 cm x 12.7 cm (GL 250600)

**NEW!**

**LEA SYMBOLS® – single book** Stock code: 52236  
 Contrast: 2.5 %  
 With response chart and cover plate  
 VA from 0.10 to 2.50 (3 m)  
 Format: 12.7 cm x 12.7 cm (GL 250625)

**LEA SYMBOLS® crowded symbol book** Stock code: 52010  
 With response chart without cover plate  
 VA from 0.32 to 1.25 (3 m)  
 Format: 12.7 cm x 12.7 cm (GL 250700)

**LEA SYMBOLS® ring binder – crowding edging** Stock code: 52088  
 With response chart without cover plate  
 VA from 0.32 to 1.25 (3 m)  
 Format: 12.7 cm x 12.7 cm (GL 259200)

**NEW!**

**LEA SYMBOLS® ring binder – crowding edging** Stock code: 52239  
 Contrast: 2.5 %  
 With response chart without cover plate  
 VA from 0.20 to 1.00 (3 m)  
 Format: 10.2 cm x 10.2 cm (GL 259225)

**LEA NUMBERS® – single book** Stock code: 52009  
 Without response chart with cover plate  
 VA from 0.10 to 2.50 (3 m)  
 Format: 12.7 cm x 12.7 cm (GL 274000)

**LEA NUMBERS® ring binder – crowding edging** Stock code: 52237  
 VA from 0.20 to 1.00 (3 m)  
 Format: 10.2 cm x 10.2 cm (GL 274400)

**NEW!**

## LEA™ Core Tests Basic set

**LEA™ Core Tests – Basic set** Stock code: 52238  
 Please ask for details. (GL 258600)



Stock code:  
52100 to 52103



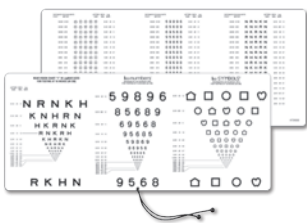
Stock code: 52208

## Near vision tests

**Birkhaeuser reading plate** (German text) **Stock code: 52100**  
**Birkhaeuser reading plate** (English text) **Stock code: 52101**  
**Birkhaeuser reading plate** (French text) **Stock code: 52102**  
**Birkhaeuser reading plate** (Spanish text) **Stock code: 52103**

Format: 11 cm x 21,5 cm  
 Test distance: 30 cm (decimal notations from 0.10 to 1.00)

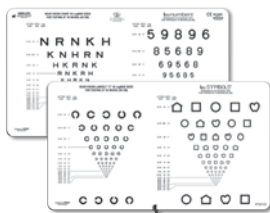
**Jaeger reading card** (English text) **Stock code: 52208**  
 VA: J 12 to J 1, Test distance: 40 cm  
 Format: 14 cm x 20,5 cm (GL 119680)



Stock code:  
52095

**Near vision test chart 3-1** **Stock code: 52095**  
 Letters, LEA NUMBERS®/LEA SYMBOLS® (40 cm), with distance cord.  
 The parallel arrangement of the letters, numbers and symbols allows for easy testing of near vision acuity and determination which optotypes can be detected. The chart is particularly useful in the diagnosis of perception and communication disorders (e.g. dementia). Legend on the back.  
 VA: 0.05 to 2.00, Format: 43 cm x 19 cm (GL 759000)

Stock code:  
52193



Stock code:  
52105

**Near vision test chart 4-1** **Stock code: 52193**  
 Letters, LEA NUMBERS®/LEA SYMBOLS® (40 cm), Landolt rings, with distance cord. Reciprocally printed near vision chart with separate legend (pdf). The parallel arrangement of the letters, numbers, symbols and Landolt rings makes it easier to determine which type of optotypes can be recognised. The chart is particularly suited for diagnostic testing in the case of sensory and communication disorders (e.g. in the case of dementia).  
 VA: 0.05 to 2.00, Format: 33 cm x 19 cm (GL 759100)



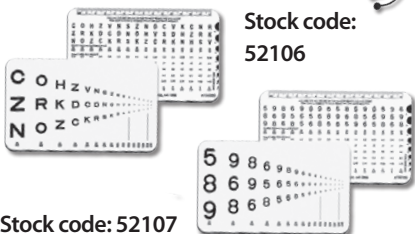
**Tumbling E/Landolt-C near vision card** **Stock code: 52105**  
 Printed on both sides, with distance cord  
 VA: 0.05 to 2.00 (40 cm), Format: 20.3 cm x 25.4 cm (GL 728000)

Stock code:  
52090



**SLOAN letters card** **Stock code: 52090**  
 Reciprocally printed, with distance cord  
 VA: 0.05 to 2.00 (40 cm), Format: 20.3 cm x 25.4 cm (GL 729000)

Stock code:  
52106



**RUNGE near vision card - Letters** **Stock code: 52106**  
 For rapid screening with size progression from left to right.  
 VA: 0.05 bis 1.25 (40 cm), Format: 9.5 cm x 15.9 cm (GL 756000)

Stock code: 52107



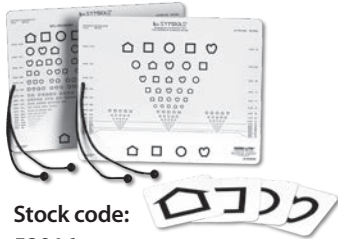
**RUNGE near vision card - LEA™ NUMBERS®** **Stock code: 52107**  
 For rapid screening with size progression from left to right.  
 VA: 0.05 to 1.25 (40 cm), Format: 9.5 cm x 15.9 cm (GL 756100)

Stock code:  
52108

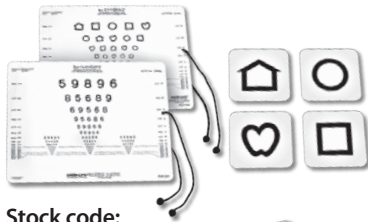


**RUNGE near vision card - LEA™ SYMBOLS®** **Stock code: 52108**  
 For rapid screening with size progression from left to right.  
 VA: 0.05 to 1.25 (40 cm), Format: 9.5 cm x 15.9 cm (GL 756200)





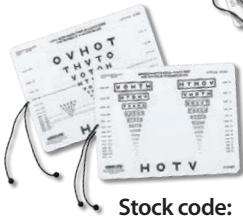
Stock code:  
52016



Stock code:  
52018



Stock code:  
52087



Stock code:  
52020



Stock code:  
52218



Stock code: 52211



Stock code:  
52198



Stock code: 52224



Stock  
code:52223



Stock code:  
52127

## Near vision tests

The VA charts #52016, #52087, #52127, #52227 and #52020 have one side with 50% and 25% optotype interspace for testing of crowding phenomenon.

### LEA SYMBOLS® card

Reciprocally printed, with response plate and cord  
VA from 0.05 to 2.00 (40 cm), Format: 20.3 cm x 25.4 cm (GL 250800)

Stock code: 52016

### LEA SYMBOLS® / LEA™ NUMBERS® card

Reciprocally printed, with response plate and cord (symbols only)  
VA from 0.05 to 2.00 (40 cm), Format: 20.3 cm x 25.4 cm (GL 251000)

Stock code: 52018

### LEA NUMBERS® card

Reciprocally printed, with distance cord  
VA from 0.05 to 2.00 (40 cm), Format: 20.3 cm x 25.4 cm (GL 270900)

Stock code: 52087

### HOTV crowded card

Reciprocally printed, with response plate and cord  
VA from 0.05 to 2.00 (40 cm), Format: 20.3 cm x 25.4 cm (GL 731000)

Stock code: 52020

### Landolt-C near card

8 positions, reciprocally printed, with distance cord  
VA from 0.05 to 2.00 (40 cm), Format: 20.3 cm x 25.4 cm (GL 779000)

Stock code: 52218

### SLOAN letters card

VA from 0.05 to 1.25 (40 cm), Format: 14.0 cm x 20.3 cm (GL 725000)

Stock code: 52198

### Lighthouse Near Chart Low Vision Letters (40 cm)

VA from 0.025 to 0.80, Format: 23 cm x 35.5 cm (GL 925400)

Stock code: 52211

### Near Vision Card (English text)

(GL 684600)

Stock code: 52223

### Near Vision Card (French text)

(GL 658300)

Stock code: 52224

### Combination Near Vision and Reading Card (40 cm)

VA from 0.20 to 1.00, Format: 25.4 cm x 20.32 cm

### LEA NUMBERS® – Near vision card for 40 cm and 60 cm

Reciprocally printed, without response plate  
VA from 0.05 to 2.00 (60 cm), Format: 20.3 cm x 25.4 cm (GL 274100)

Stock code: 52127



Stock code:  
52201

## Near vision tests

**Reading chart – high/10 % contrast English (40 cm)** (GL 684700) **Stock code: 52201**

**Reading chart – high/10 % contrast French (40 cm) (without image)** (GL 658700) **Stock code: 52213**  
VA from 0.05 to 2.00 (SLOAN) and 0.20 to 1.00 (text)  
Format: 20.4 cm x 25.5 cm



Stock code:  
52017

**LEA SYMBOLS® – pocket card** **Stock code: 52017**  
Reciprocally printed, without response plate  
VA from 0.05 to 2.00 (40 cm)  
Format: 9.5 cm x 15.9 cm (GL 250950)



Stock code:  
52019

**LEA NUMBERS® – pocket card** **Stock code: 52019**  
Reciprocally printed, without response plate  
VA from 0.05 to 2.00 (40 cm)  
Format: 9.5 cm x 15.9 cm (GL 271000)



Stock code:  
52094

**Landolt-C – pocket card** (GL 758700) **Stock code: 52094**  
**Landolt-C – pocket card, 8 positions** (GL 779100) **Stock code: 52219**  
Reciprocally printed  
VA from 0.05 to 2.00 (40 cm)  
Format: 9.5 cm x 15.9 cm



Stock code:  
52119

**LEA SYMBOLS®/Landolt rings – pocket card** **Stock code: 52119**  
Reciprocally printed, without response plate  
VA from 0.05 to 2.00 (40 cm)  
Format: 9.5 cm x 15.9 cm (GL 257900)



Stock code:  
52126

**LEA NUMBERS®/Landolt rings – pocket card** **Stock code: 52126**  
Reciprocally printed, without response plate  
VA from 0.05 to 2.00 (40 cm)  
Format: 9.5 cm x 15.9 cm (GL 273100)



Stock code:  
52186

**SLOAN-letters/Landolt rings – pocket card** **Stock code: 52186**  
Reciprocally printed, without response plate  
VA from 0.05 to 2.00 (40 cm)  
Format: 9.5 cm x 15.9 cm (GL 758300)



**SLOAN-letters – pocket card, English** (GL 744000) **Stock code: 52253**  
Reciprocally printed, without response plate  
VA from 0.05 to 2.00 (40 cm)  
Format: 9.5 cm x 15.9 cm



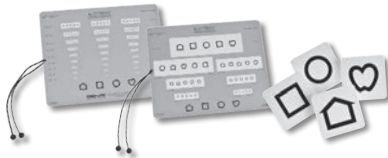
Stock code:  
52002

## Near vision tests

### C-test – Ring Binder (Haase)

Particularly suitable for near vision testing in Low Vision patients.  
Pages with Landolt rings in wide and narrow interspacing of 2.6".  
Contains 6 pages with series Landolt-C (OCULUS®)

Stock code: 52002



**NEW!**



## Examination Sets

### LEA SYMBOLS® – Distance Screener Set

(GL 259900)

Stock code: 52049

Contents: flipchart with 10 pages, VA from 0.25 to 1.25 (3 m)  
Format: 8.25 cm x 22.9 cm, response plate and cards included

### LEA SYMBOLS® – Near Vision Screener

(GL 252000)

Stock code: 52050

Contents: 1 card (40 cm), reciprocally printed  
Format: 20.3 cm x 25.4 cm, with response plates and cord

### HOTV Screening flip chart Massachusetts

For Screening pre-school children from 3 years onwards

Contents: 4 plates (3 m), VA: 0.50 and 0.625 decimal

Format: 8.25 cm x 22.9 cm, with response cards (GL 600304)

Stock code: 52204

### AAPOS Vision – Screening Set

Contents: Distance visual acuity letter chart; distant visual acuity chart with LEA SYMBOLS®; black cover for visual acuity testing, alternatively paediatric glasses occluder for visual acuity testing; 3 m distance cord; answer chart, DVD (in english)

(GL 120 AAPOS)

Stock code: 52109

### AAPOS Vision – Screening Add-on Set

Contents: Near visual acuity chart with Sloan letters; near visual acuity chart with LEA SYMBOLS®; black cover for visual acuity testing; alternatively paediatric glasses occluder for visual acuity testing; butterfly stereo test with polarisation glasses; colour test, DVD (in English)

(GL 130 AAPOS)

Stock code: 52110

### Paediatric Visual Acuity Set

Contents:

LEA SYMBOLS® / LEA NUMBERS® card #52018, LEA SYMBOLS®/Tumbling E wallchart #52035, LANG stereo test I #54000, Matsubara colour plates #56011, Butterfly opaque glass occluder #53009

Stock code: 52233

### PROVIKIT VA tests (Provision Project)

Contents:

LEA SYMBOLS® card #52016, LEA 3-D PUZZLE® #52022, LEA SYMBOLS® – Low Contrast ring binder #52028, LEA SYMBOLS® Playing Cards #53504, LEA RECTANGLES GAME® #53505, LEA MAILBOX GAME® #53509, LANG stereo test II #54001

Stock code: 52234



# KAY PICTURES

KAY PICTURES provides an alternative to other vision tests designed for young children. The picture charts were developed in the UK to allow easy visual acuity screening with pictures in preschool children. The revised version is suitable for screening from 18 months of age.

The test can be performed both verbally and non-verbally using the answer chart.



**NEW!**

Stock code:  
52246

## KAY PICTURES Single Crowded Book (3 m)

Individual pictures with LogMAR visual acuity steps from 1.00 to - 0.10 and additional near test and answer chart. The pictures each have a border to test the crowding phenomenon. Altogether, the test contains six different pictures, four per visual acuity step. Suitable for nonverbal visual acuity screening from 18 months of age. (KPTSINGLE)

Stock code: 52246



**NEW!**

Stock code:  
52247

## KAY PICTURES Linear Crowded Book (3 m)

Series test with LogMAR visual acuity steps from 0.70 to - 0.20 and additional near test and answer chart. The pictures are arranged in a row of five boxes to produce a continuous crowding effect. Four different picture arrangements are present per visual acuity step. Suitable for nonverbal visual acuity screening from 30 months of age. (KPTLINEAR)

Stock code: 52247



Stock code:  
52248

**NEW!**

## KAY PICTURES Screening Book (3 m)

Compact book in DIN A5 format with individual pictures and picture series for screening. Suitable for nonverbal vision screening from 18 months of age. LogMAR visual acuity: 0.80 to - 0.10 (3 m) With answer chart (KPTSCREEN)

Stock code: 52248



Stock code:  
59813

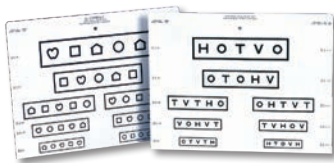
**NEW!**

## KAY PICTURES Low Vision Book (3 m)

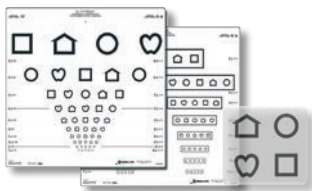
This book was developed specially for screening the visually impaired. It has individual picture presentations in fourteen LogMAR visual acuity steps from 1.30 to 0.00. With additional near vision test and answer chart. Suitable for nonverbal visual acuity screening from 18 months of age. (KPTLOW)

Stock code: 59813

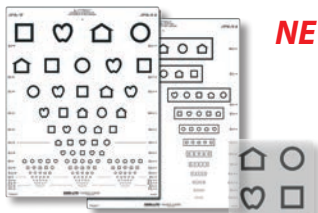




Stock code: 52012

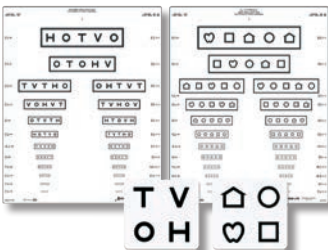


Stock code: 52013



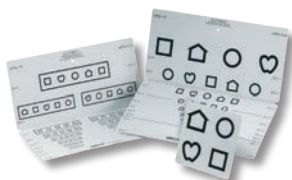
**NEW!**

Stock code: 52014



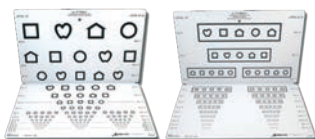
**NEW!**

Stock code: 52015



Stock code: 52054A

**NEW!**



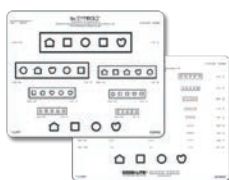
Stock code: 52249



Stock code: 52250



Stock code: 52214



**NEW!**  
Stock code: 52252

# Massachusetts Vision Tests

## LEA Symbols® / HOTV Screening Wall chart (Massachusetts)

Reciprocally printed, for quick screening

VA: 10/50 to 10/12.5 (foot), equivalent to 0.2 to 0.8 decimal (3 m)

With response plate

Format: 40.7 cm x 28 cm

(GL 250500)

Stock code: 52012

## LEA Symbols® Screening chart 10 lines (Massachusetts)

Reciprocally printed, VA from 0.1 to 1.25 decimal (3 m)

With response plate, Format: 40.6 cm x 40.6 cm

(GL 256000)

Stock code: 52013

## LEA Symbols® / Screening chart 15 lines (Massachusetts)

Reciprocally printed for crowding assessment

VA from 0.1 to 2.5 decimal (3 m)

With response plate, Format: 43 cm x 53.4 cm

(GL 257000)

Stock code: 52014

## LEA Symbols® / HOTV Screening Wall chart (Massachusetts)

Reciprocally printed

VA from 0.2 to 2.5 decimal (3 m)

With response plate, Format: 43 cm x 53.4 cm

(GL 257500)

Stock code: 52015

## LEA Symbols® Foldable chart (Massachusetts)

Foldable chart with LEA™ symbols in Massachusetts format (3 m)

Includes response plate

VA: 0.10 to 1.25 (decimal);

Massachusetts format: 0.25 to 1.25 (decimal)

Format: 40.6 cm x 40.6 cm

(GL 250200)

Stock code: 52054A

## LEA Symbols® Foldable Chart (Massachusetts)

Foldable chart with LEA SYMBOLS® and Massachusetts VA format for 3 m

VA: 0.1 to 2.5 (front page), Massachusetts VA 0.2 to 2.5 decimal equivalent.

Format: 43 cm x 53.4 cm

(GL 250100)

Stock code: 52249

## LEA Symbols® Massachusetts Screening Flip Chart

LEA symbols in Massachusetts format for preschool screening at 3 m.

Comprises 1 practice card, 4 pages in 20/40 (0.5 decimal) and 20/32 (0.625). Includes response plate.

Format: 8.25 cm x 22.9 cm

(GL 259500)

Stock code: 52250

## HOTV - Foldable chart (Massachusetts)

Reciprocally printed with response plate

VA: from 0.10 to 2.5 (3 m)

Format: 45.7 cm x 45.7 cm

(GL 600302)

Stock code: 52214

## LEA Symbols® Near Vision Screener (Massachusetts)

Reciprocally printed, with distance cord for 40 cm

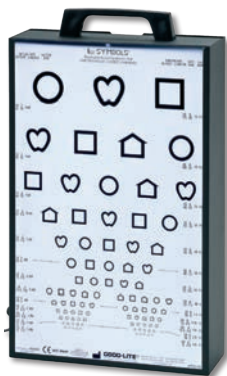
Non-verbal response compatible

VA from 0.05 to 1.25 (40 cm)

Format: 20.3 cm x 25.4 cm

(GL 258900)

Stock code: 52252



## Illuminated Cabinets

**Illuminated Cabinets allow constant indirect illumination of vision tests, as recommended by the WHO.**

**Specifically suitable for portable use:**

### Illuminated Cabinet ESV 1200

**Stock code: 52067**

Cabinet with LED lights for best illumination. Compatible with all 23 cm x 35.6 cm charts. Includes storage compartment at the back (without chart).

Format: 36 cm x 23.2 cm x 5.4 cm (H/W/D) (GL ESV1200)

### Illuminated Cabinet Quantum ESV 1500 (without chart)

**Stock code: 52197**

Variant to ESV 1200, calibrated for study purposes (similar to ESV 3000). Corresponds in dimensions to ESV 1200 light box.

Format: 36 cm x 23.2 cm x 7.8 cm (H/W/D) (GL ESV1500)

Image shows  
ESV 3000 with  
VA chart and  
additional  
glare lights



## Illuminated Cabinets ETDRS

### Self-calibrating ESV 3000 ETDRS Viewer (without VA charts)

**Stock code: 52069**

Illuminated cabinet with LED lights (can be wall mounted), illumination for both photopic and mesopic light levels.

Choice of 3 adjustable luminance levels (the viewer automatically calibrates to 85 cd/m<sup>2</sup> or 3 cd/m<sup>2</sup>).

Format: approx. 62 cm x 65 cm x 9.75 cm (H/W/D)

### ESC 2000 ETDRS Viewer (without VA charts)

**Stock code: 52104**

The ESC 2000 ETDRS Viewer is a competitive alternative to the ETDRS Viewer ESV 3000. All ETDRS charts fit both viewers.

Format: approx. 62 cm x 65 cm x 7.65 cm (H/W/D)



Please see matching Visual Acuity charts on page 39 to page 49.



Stock code: 52178

## LUVIS mini - Illuminated Cabinet

### LUVIS mini - Illuminated Cabinet

Stock code: 52207

Standardized conditions for testing contrast vision. Appropriate for MARS contrast tests, smaller eye chart formats and colour tests with a size up to approx. 38 cm x 28 cm.

Examinations to record visual acuity and contrast threshold require homogeneous illumination of the visual tests according to DIN EN ISO 8596:2009 and DIN 58220. These requirements are not met with conventional room lighting or a desk lamp.

Luvis mini uses diffuse reflected light to allow even light distribution over the entire eye chart. An illumination difference of only 3% is made possible with the device; at present 25% tolerance in uniformity of illumination is specified.

### Advantages of the LUVIS mini:

- Meets the lighting specifications of EN ISO 8596 (luminance ca. 200 cd/m<sup>2</sup>)
- Achieves standardized, comparable and reproducible results
- Innovative and simple lighting solution
- Format: 47 cm (height) x 37 cm (width) x 16 cm (depth)

## Illuminated Cabinets accessories

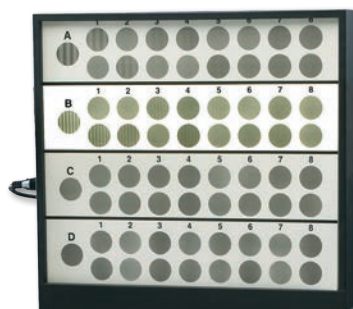
Floor stand for ESV 1200 and ESV 1500

Stock code: 52178

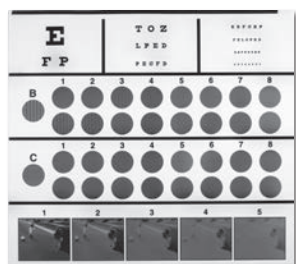
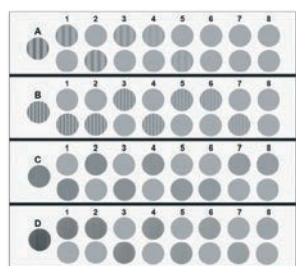
Accessories on request



Stock code: 52163



Stock code: 52137



## CSV system

**CSV-1000 HGT viewer** with glare lighting and 1 test chart #52138  
The gold standard for measuring contrast vision and glare sensitivity.  
Self-calibrating light system.

Please see the matching CSV charts at the bottom of this page.

Weight: approx. 13.6 kg

Format: 69.69 cm x 53.34 x 10 cm (GL 500050)

Stock code: 52163

**Illuminated viewer CSV-1000** and 1 test chart #52091

Standardised contrast test device with corresponding CSV vision testing chart. Self-calibrating light system without glare sensitivity testing.

Please see the matching CSV charts at the bottom of this page.

Weight: approx. 13.6 kg

Format: 69.69 cm x 53.34 x 10 cm (GL 500000)

Stock code: 52137

### CSV charts only suitable for CSV-1000 HGT viewer

**CSV Contrast chart test "1000E"**

Contrast chart with grid pattern for differentiated contrast sensitivity testing. At the recommended test distance of 2.5 m the grid patterns will test 3, 6, 12 and 18 cycles / degree.

Does **not** fit ETDRS Viewers.

Format: 49.5 cm x 44.5 cm (GL 500051)

Stock code: 52091

**CSV contrast chart "1000S"**

The CSV contrast chart "1000S" is generally used for contrast screening for cataracts in the office or for mobile clinics. The uppermost segment with the usual visual acuity test series from 0.1 to 1.33, a segment with grid pattern (6 or 12 cycles/degree), lowest segment shows realistic traffic situations.

Format: 49.5 cm x 44.5 cm (GL 500001)

Stock code: 52138

**CSV-1000 ETDRS chart - SLOAN letters "R"**

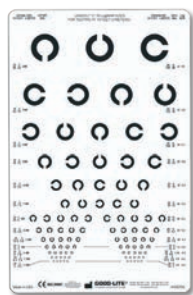
The CSV-1000 ETDRS chart "R" offers a standardised test surface, based on American standard illumination 85 cd/m<sup>2</sup>.

Format: 49.5 cm x 44.5 cm (GL 500003)

Stock code: 52139

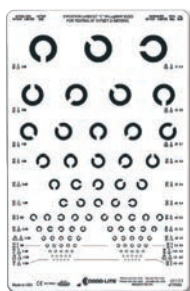


# Vision charts distance · translucent

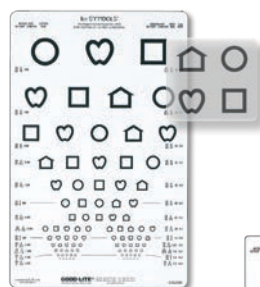


Stock code: 52058

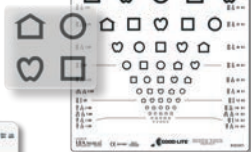
Stock code:  
52221



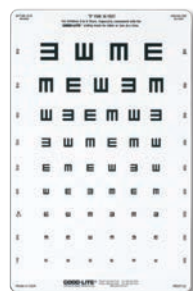
**NEW!**



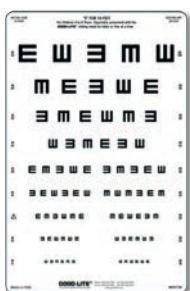
Stock code: 52059



Stock code: 52060



Stock code: 52205



Stock code: 52202



Stock code: 52062

**LogMAR charts for illuminated cabinets #52067 and #52197.**  
Please note the various test distances.

**Landolt-C chart, translucent**  
Repetitive groups  
Without response plate  
VA from 0.125 to 2.00 (3 m)  
Format: 23 cm x 35.6 cm

Stock code: 52058

(GL 600703)

**Landolt-C chart, translucent**  
8 positions  
Repetitive groups  
Without response plate  
VA from 0.125 to 2.00 (3 m)  
Format: 23 cm x 35.6 cm

Stock code: 52221

(GL 779300)

**LEA SYMBOLS® chart, translucent**  
Response plate included  
Repetitive groups  
VA from 0.16 to 2.50 (3 m)  
Format: 23 cm x 35.6 cm

Stock code: 52059

(GL 252401)

**LEA SYMBOLS®, translucent chart with 13 lines**  
With response plate  
VA from 0.16 to 2.50 (3 m)  
Format: 23 cm x 35.6 cm

Stock code: 52112

(GL 250400)

**LEA NUMBERS® chart, translucent**  
Repetitive groups  
Without response plate  
VA from 0.16 to 2.50 (3 m)  
Format: 23 cm x 35.6 cm

Stock code: 52060

(GL 271200)

**Tumbling E chart, translucent**  
Linear-spaced Distance chart in American notation (20/20)  
VA from 0.20 to 1.25 (3 m)  
Format: 23 cm x 35.6 cm

Stock code: 52202

(GL 600738)

**Tumbling E chart, translucent wide-spaced**  
Linear-spaced Distance chart in American notation (20/20) and wide inter-optotype distance  
VA from 0.20 to 1.25 (3 m)  
Format: 23 cm x 35.6 cm

Stock code: 52205

(GL 600722)

**HOTV chart, translucent**  
Without response plate  
VA from 0.16 to 2.50 resp. 20/125 to 20/8 (3 m)  
Format: 23 cm x 35.6 cm

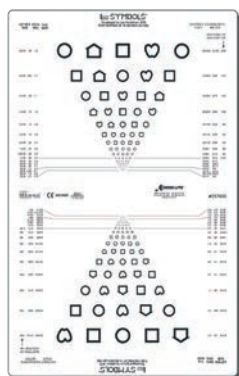
Stock code: 52062

(GL 600736)



# Vision charts near • translucent

LogMAR charts for illuminated cabinets #52067 and #52197.  
Please note the various test distances.



Stock code: 52118



LEA SYMBOLS® – Translucent chart

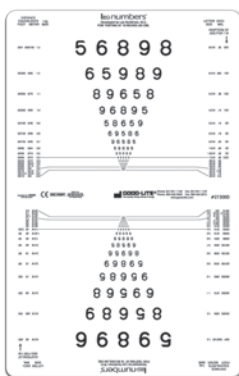
Stock code: 52118

With response plate

VA from 0.05 to 2.00 (66 cm)

Format: 23 cm x 35.6 cm

(GL 257800)



Stock code: 52125

LEA NUMBERS® – Translucent chart near with 12 lines

Stock code: 52125

Without response plate

VA from 0.05 to 2.00 (66 cm)

Format: 23 cm x 35.6 cm

(GL 273000)



Stock code: 52184

SLOAN letters - Translucent near vision chart

Stock code: 52184

Without response plate

VA from 0.05 to 2.00 (66 cm)

Format: 23 cm x 35.6 cm

(GL 756300)



Stock code: 52185

SLOAN letters - Translucent near vision chart

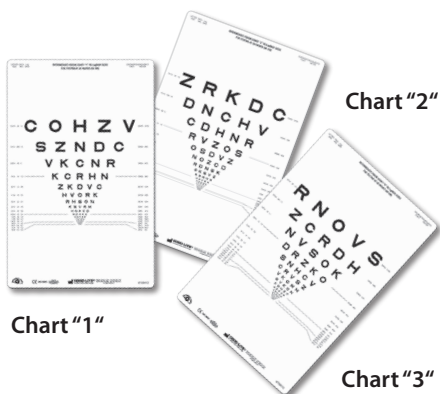
Stock code: 52185

Without response plate

VA from 0.05 to 2.00 (66 cm)

Format: 23 cm x 35.6 cm

(GL 756400)



## Vision charts intermediate distance • translucent

**LogMAR charts for illuminated cabinets #52067 and #52197.  
Please note the various test distances.**



Stock code: 52187



Stock code: 52189



Stock code: 52191

**Translucent chart, near – SLOAN letters, chart "1"** Stock code: 52188  
Without response plate  
VA from 0.05 to 2.00 (66 cm)  
Format: 23 cm x 35.6 cm (GL 758410)

**Translucent chart, near – SLOAN letters, chart "2"** Stock code: 52190  
Repetitive groups  
Without response plate  
VA from 0.05 to 2.00 (66 cm)  
Format: 23 cm x 35.6 cm (GL 758510)

**Translucent chart, near – SLOAN letters, chart "3"** Stock code: 52192  
Without response plate  
VA from 0.05 to 2.00 (66 cm)  
Format: 23 cm x 35.6 cm (GL 758610)

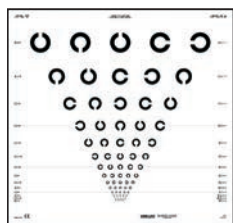
**Translucent chart, near – SLOAN letters, chart "1"** Stock code: 52187  
Without response plate  
VA from 0.05 to 2.00 (80 cm)  
Format: 23 cm x 35.6 cm (GL 758400)

**Translucent chart, near – SLOAN letters, chart "2"** Stock code: 52189  
Without response plate  
VA from 0.05 to 2.00 (80 cm)  
Format: 23 cm x 35.6 cm (GL 758500)

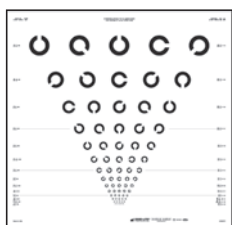
**Translucent chart, near – SLOAN letters, chart "3"** Stock code: 52191  
Without response plate  
VA from 0.05 to 2.00 (80 cm)  
Format: 23 cm x 35.6 cm (GL 758600)



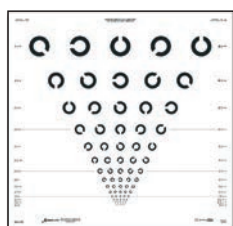




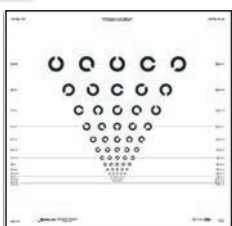
Stock code: 52063



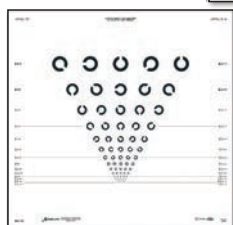
Stock code: 52167



Stock code: 52215

**NEW!**

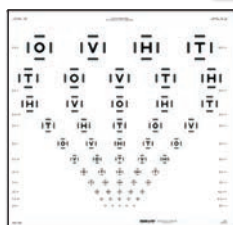
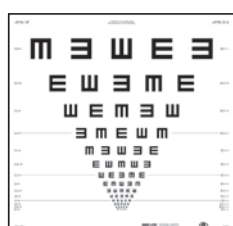
Stock code: 52216

**NEW!**

Stock code: 52217

**NEW!**

Stock code: 52064

**NEW!**Stock code:  
52229

Stock code: 52159

## ETDRS charts LogMAR

ETDRS translucent charts for all ETDRS Viewers.  
Please note the various test distances.

### ETDRS chart – Landolt-C

Translucent chart for 4 m distance

VA from 0.10 to 2.00

Format: 62 cm x 65 cm

(GL 500037)

Stock code: 52063

### ETDRS chart – Landolt-C

Translucent chart for 4 m distance, 8 positions

VA from 0.10 to 2.00

Format: 62 cm x 65 cm

(GL 500070)

Stock code: 52167

### ETDRS chart – Landolt-C, scrambled version

Translucent chart for 4 m distance, 8 positions

VA from 0.10 to 2.00

Format: 62 cm x 65 cm

(GL 500071)

Stock code: 52215

### ETDRS chart – Landolt-C

Translucent chart for 3 m distance, 8 positions

VA from 0.10 to 2.00

Format: 62 cm x 65 cm

(GL 500072)

Stock code: 52216

### ETDRS chart – Landolt-C, scrambled version

Translucent chart for 3 m distance, 8 positions

VA from 0.10 to 2.00

Format: 62 cm x 65 cm

(GL 500073)

Stock code: 52217

### ETDRS chart – HOTV

Translucent chart for 4 m distance

VA from 0.10 to 2.00

Format: 62 cm x 65 cm

(GL 500025)

Stock code: 52064

### ETDRS chart – HOTV with 50 % Crowding

Translucent chart for 4 m distance

VA from 0.20 to 1.25

Format: 62 cm x 65 cm

(GL 500035)

Stock code: 52229

### ETDRS chart – Tumbling E

Translucent chart for 4 m distance

(GL 500044)

Stock code: 52159

Translucent chart for 3 m distance

(GL 500061)

Stock code: 52243

VA from 0.10 to 2.00

Format: 62 cm x 65 cm



Chart "R"



Chart "1"



Chart "2"

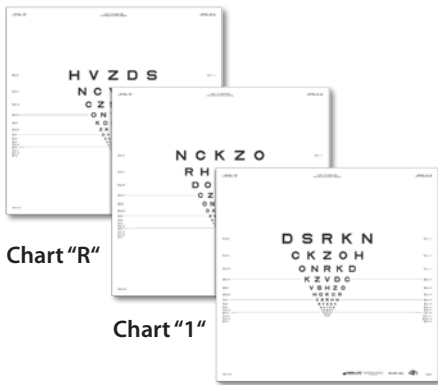


Chart "R"

Chart "1"

Chart "2"

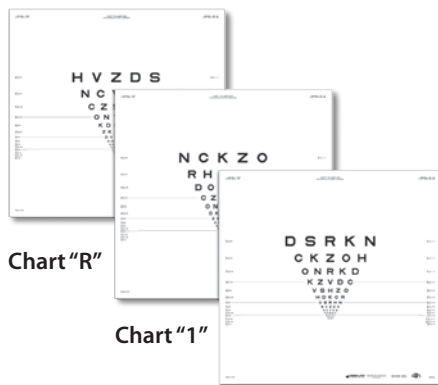


Chart "R"

Chart "1"

Chart "2"



Stock code: 52170

## ETDRS charts Original series • LogMAR

**ETDRS translucent charts for all ETDRS Viewers.**  
Please note the various test distances.

ETDRS Original series 4 m – SLOAN letters, chart "R" (GL 500013) Stock code: 52037

ETDRS Original series 4 m – SLOAN letters, chart "1" (GL 500014) Stock code: 52097

ETDRS Original series 4 m – SLOAN letters, chart "2" (GL 500015) Stock code: 52098

Translucent chart for 4 m distance  
VA from 0.10 to 2.00, Format: 62 cm x 65 cm

ETDRS Original series 2 m – SLOAN letters, chart "R" (GL 500038) Stock code: 52153

ETDRS Original series 2 m – SLOAN letters, chart "1" (GL 500039) Stock code: 52154

ETDRS-Original series 2 m – SLOAN letters, chart "2" (GL 500040) Stock code: 52155

Translucent chart for 2 m distance  
VA from 0.10 to 2.00, Format: 62 cm x 65 cm

ETDRS Original series 3 m – SLOAN letters, chart "R" (GL 500046) Stock code: 52160

ETDRS Original series 3 m – SLOAN letters, chart "1" (GL 500047) Stock code: 52161

ETDRS Original series 3 m – SLOAN letters, chart "2" (GL 500048) Stock code: 52162

Translucent chart for 3 m distance  
VA from 0.10 to 2.00 Format: 62 cm x 65 cm

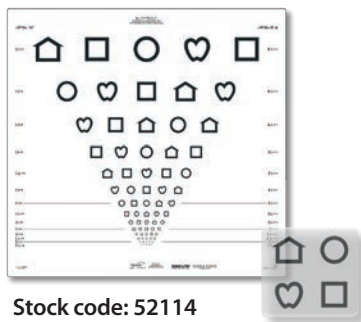
**The roll-up charts are made of thin styrene plastic material and can be easily rolled up for transport and storage. Each of these charts can be suspended with a wall hanger.**

ETDRS roll-up chart "R" – Original series (letter sequence as #52160) Stock code: 52169

Translucent chart for 4 m distance, can be rolled up  
Visus: 0.10 bis 2.50, Format: 62 cm x 65 cm (GL 511113)

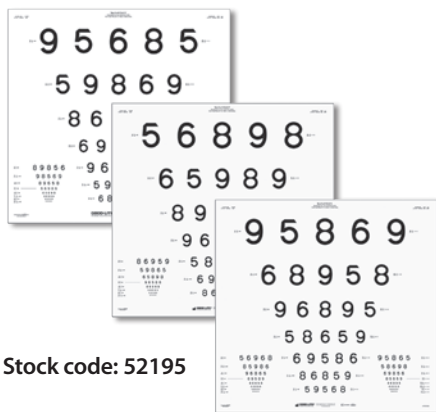
ETDRS roll-up chart "1" – Original series Stock code: 52170

Translucent chart for 4 m distance, can be rolled up  
Visus: 0.10 bis 2.50, Format: 62 cm x 65 cm (GL 511114)



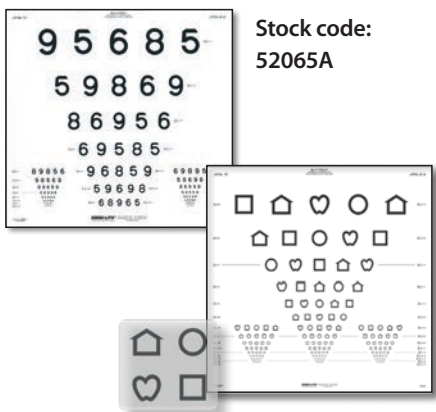
Stock code: 52114

Stock code: 52065



Stock code: 52195

Stock code: 52196



Stock code: 52065A

Stock code: 52066

# ETDRS charts LEA™ • LogMAR

**ETDRS translucent charts for all ETDRS Viewers. Please note the various test distances.**

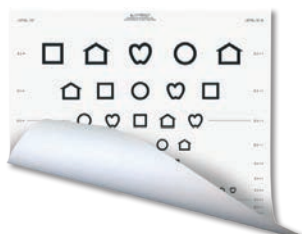
**ETDRS chart – LEA SYMBOLS®** Stock code: 52114  
 Translucent chart for 4 m distance  
 VA from 0.125 to 2.50  
 Format: 62 cm x 65 cm (GL 253333)

**ETDRS chart – LEA NUMBERS®** (GL 270200) Stock code: 52065  
**ETDRS chart “A” – LEA™ Numbers** (GL 270200A) Stock code: 52195  
**ETDRS chart “B” – LEA™ Numbers** (GL 270200B) Stock code: 52196  
 Translucent chart for 4 m distance  
 VA from 0.10 to 2.50  
 Format: 62 cm x 65 cm

**ETDRS chart – LEA NUMBERS®** Stock code: 52065A  
 Translucent chart for 3 m distance  
 VA from 0.10 to 2.50  
 Format: 62 cm x 65 cm (GL 271400)

**ETDRS chart – LEA SYMBOLS®** Stock code: 52066  
 Translucent chart for 3 m distance.  
 VA from 0.10 to 2.50  
 Format: 62 cm x 65 cm  
 Response plate included (G-L 250300)

**The roll-up charts are made of thin styrene plastic material and can be easily rolled up for transport and storage. Each of these charts can be securely suspended with a wall hanger.**



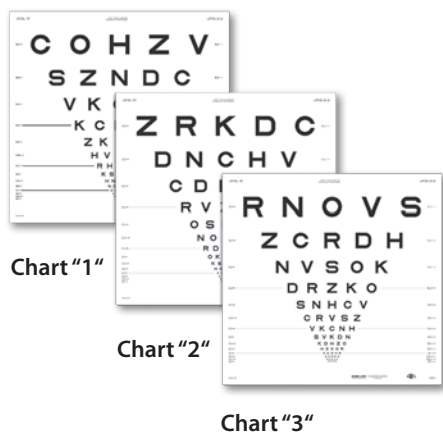
**ETDRS roll-up chart – LEA SYMBOLS®** Stock code: 52111  
 Translucent chart for 3 m distance  
 VA from 0.10 to 2.5  
 Format: 62 cm x 65 cm  
 Response chart included (GL 250311)



**ETDRS roll-up chart – LEA NUMBERS®** Stock code: 52121  
 Translucent chart for 4 m distance  
 VA from 0.10 to 2.5  
 Format: 62 cm x 65 cm  
 Response chart included (GL 270211)

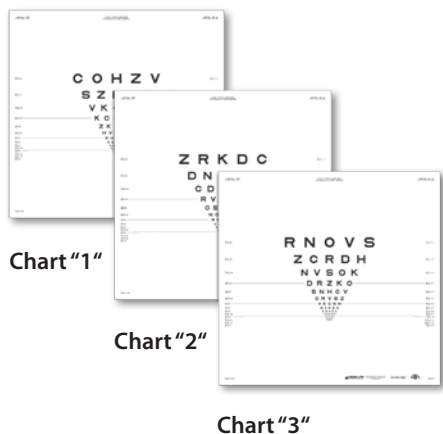


# ETDRS charts "2000" • LogMAR

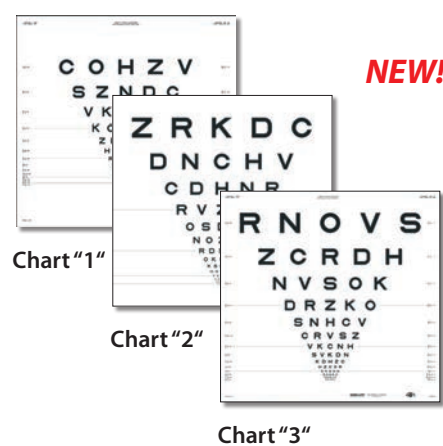


ETDRS translucent charts for all ETDRS Viewers.  
Please note the various test distances.

ETDRS "2000" – SLOAN letters, chart "1"	(GL 500016)	Stock code: 52140
ETDRS "2000" – SLOAN letters, chart "2"	(GL 500017)	Stock code: 52141
ETDRS "2000" – SLOAN letters, chart "3"	(GL 500018)	Stock code: 52142
Chart for 4 m distance		
VA from 0.10 to 2.00		
Format: 62 cm x 65 cm		



ETDRS "2000" – SLOAN letters, chart "1"	(GL 500041)	Stock code: 52156
ETDRS "2000" – SLOAN letters, chart "2"	(GL 500042)	Stock code: 52157
ETDRS "2000" – SLOAN letters, chart "3"	(GL 500043)	Stock code: 52158
Chart for 2 m distance		
VA from 0.10 to 2.00		
Format: 62 cm x 65 cm		



**NEW!**

ETDRS "2000" – SLOAN letters, chart "1"	(GL 500010)	Stock code: 52231
ETDRS "2000" – SLOAN letters, chart "2"	(GL 500011)	Stock code: 52255
ETDRS "2000" – SLOAN letters, chart "3"	(GL 500012)	Stock code: 52244
Chart for 3 m distance		
VA from 0.10 to 2.00		
Format: 62 cm x 65 cm		



Stock code: 52143



Stock code: 52071



Stock code: 52072



Stock code: 52073



Stock code: 52074

## ETDRS Low Contrast charts LogMAR

ETDRS translucent charts for all ETDRS Viewers.  
Please note the various test distances.

### Charts for 4 m distance:

- ETDRS Low Contrast chart – SLOAN letters 1.25 % (GL 500022) Stock code: 52143
- ETDRS Low Contrast chart – SLOAN letters 2,5 % (GL 500021) Stock code: 52071
- ETDRS Low Contrast chart – SLOAN letters 5 % (GL 500020) Stock code: 52072
- ETDRS Low Contrast chart – SLOAN letters 10 % (GL 500019) Stock code: 52073
- ETDRS Low Contrast chart – SLOAN letters 25 % (GL 500023) Stock code: 52074

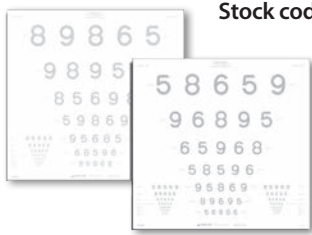
VA from 0.10 to 2.00  
Format: 62 cm x 65 cm

### Charts for 3 m distance:

- ETDRS Low Contrast chart – SLOAN letters 2,5 % (GL 500029) Stock code: 52147
- ETDRS Low Contrast chart – SLOAN letters 5 % (GL 500028) Stock code: 52146
- ETDRS Low Contrast chart – SLOAN letters 10 % (GL 500027) Stock code: 52145
- ETDRS Low Contrast chart – SLOAN letters 25 % (GL 500026) Stock code: 52144

VA from 0.10 to 2.00  
Format: 62 cm x 65 cm

# ETDRS Low Contrast charts LogMAR



Stock code: 52128

Stock code:  
52129

**ETDRS translucent charts for all ETDRS Viewers.**  
**Please note the various test distances.**

ETDRS Low Contrast chart – LEA NUMBERS® 2.5 % (GL 274200) Stock code: 52128  
 ETDRS Low Contrast chart – LEA NUMBERS® 10 % (GL 274300) Stock code: 52129  
 Chart for 4 m distance  
 VA from 0.10 to 2.00, Format: 62 cm x 65 cm



Chart "1"



Chart "2"

## Evans Low Contrast charts

The Evans contrast charts are suitable for all ETDRS Viewers.

The Evans letter contrast test (ELCT) is a standardised test for testing contrast sensitivity using SLOAN letters. Displayed at a test distance of 1 m, the optotype size corresponds to a visual acuity of 0.031. Each of the 3 consecutive letters has the same contrast value. The contrast increases from a group of three to the next group of three in increments of 0.15 log.

**Evans Contrast test – ELCT chart "1"** Stock code: 52151  
 12 contrast levels from standard 100 % contrast to 1.65 log contrast or 2.24% contrast. Studies show that 1.65 log contrast corresponds to the contrast sensitivity of the normal elderly population (based on the Weber contrast)  
 Format: 62 cm x 65 cm (GL 500331)

**Evans Contrast test – ELCT chart "2"** Stock code: 52152  
 4 contrast levels from 1.80 to 2.25 log contrast (GL 500332)

**Evans Contrast test – ELCT set** (GL 500330) Stock code: 52150  
 ELCT chart "1" and ELCT chart "2" as a set for testing contrast vision

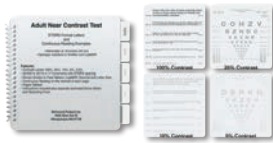
All Evans contrast charts have a format of 62 cm x 65 cm.



Stock code: 52085



Stock code: 52086



Stock code:  
52222



Stock code:  
52235

Stock code:  
52236

**NEW!**



Stock code:  
52239



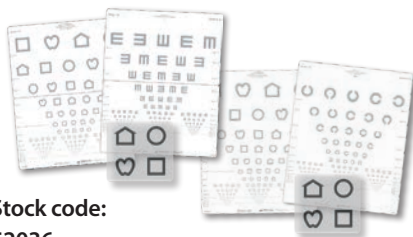
Stock code:  
52028



Stock code:  
52075



Stock code:  
52181



Stock code:  
52036

Stock code: 52046



Stock code:  
52051

## Low Contrast tests charts/ring binders

**MARS low contrast tests and low contrast ring binders can be used for low contrast screening. Ideal illumination can be achieved with the new Luvis mini (see page 37).**

**MARS Low Contrast test – letters**

Stock code: 52085

**MARS Low Contrast test – numbers**

Stock code: 52086

Three plates with 48 optotypes in 0.04 log steps  
Format: 22.8 cm x 35.6 cm

**Adult Near Low Contrast Test – ring binder**

Stock code: 52222

7 pages with ETDRS Letters and Continuous Text in 100%, 25%, 10%, 5%, and 2.5% contrast level.

VA from 0.20 to 1.00 as reading text, 0.05 to 2.00 as ETDRS chart (40 cm)  
Format: 15.8 cm x 15.8 cm (GL 587700)

**Paediatric Near Low Contrast Test – ring binder**

Stock code: 52235

7 pages in full contrast (100%), 25%, 10%, 5%, 2.5% and 1.25% with LEA SYMBOLS® and LEA NUMBERS®.

VA from 0.05 to 1.25 (40 cm)  
Format: 15.8 cm x 15.8 cm (GL 610800)

**LEA SYMBOLS® – ring binder**

Stock code: 52236

With response chart and cover plate

Contrast: 2,5 %  
VA from 0.10 to 2.50 (3 m), Format: 12.7 cm x 12.7 cm (GL 250625)

**LEA SYMBOLS® – ring binder – crowding edging**

Stock code: 52239

Contrast: 2,5 %  
VA from 0.20 to 1.00, Format: 10.2 cm x 10.2 cm (GL 259225)

**LEA SYMBOLS® – Low Contrast ring binder**

(GL 251100)

Stock code: 52028

**LEA NUMBERS® – Low Contrast ring binder**

(GL 270400)

Stock code: 52075

**SLOAN Low Contrast ring binder – letters**

(GL 736000)

Stock code: 52181

5 pages in 25 %, 10 %, 5 %, 2.5 % and 1.25 % contrast (1 m)

Random order (without image), Format: 8.25 cm x 22.9 cm

**LEA SYMBOLS® – Low Contrast ring binder**

(GL 251200)

Stock code: 52028A

**LEA NUMBERS® – Low Contrast ring binder**

(GL 270500)

Stock code: 52075A

**SLOAN Low Contrast ring binder – letters**

(GL 737000)

Stock code: 52182

5 pages in 25 %, 10 %, 5 %, 2.5 % and 1.25 % contrast (1 m)

Random order (without image), Format: 8.25 cm x 22.9 cm

**LEA SYMBOLS®/ E-hooks – Low Contrast Wallchart** (GL 254900)

Stock code: 52036

**LEA SYMBOLS®/ Landolt rings – Low Contrast Wallchart** (GL 254950)

Stock code: 52046

15 lines in 2.5 % contrast, reciprocally printed, response plate included  
VA from 0.1 to 2.50 (3 m), Format: 43 cm x 53.4 cm

**LEA GRATINGS® Low Contrast test**

Stock code: 52051

For testing of contrast sensitivity at different contrast levels based on 4 grades (Contrast 10 %: 0.5 cpcm, 8.0 cpcm; Contrast 2.5 %: 0.5 cpcm and 4.0 cpcm). The test serves to determine the distance at which the patient can identify the direction of the lines.

Includes recording forms

Format: Ø 20.3 cm (GL 253400)





Stock code:  
52029

## Low Vision tests

### LEA SYMBOLS® – Low Vision chart

With cord, foldable, response plate included

VA from 0.02 to 1.00 (1 m)

Format: 40.7 cm x 54.6 cm

(GL 258000)

Stock code: 52029



Stock code:  
52030

### LEA NUMBERS® – Low Vision chart

With cord, foldable, without response plate

VA from 0.02 to 1.00 (1 m)

Format: 40.7 cm x 54.6 cm

(GL 272100)

Stock code: 52030



Stock code:  
52047

### All LEA™ Low Vision books have the following properties:

VA: 0.0125 (far) and 0.025 (near) to 1.25 (3 m/40 cm)

Format book: approx. 26 cm x 34 cm

### LEA SYMBOLS® – Low Vision book, Set (attached at the top)

For the examination of VA for near and distance in patients with severe visual impairment. Includes occluder for children and metal frame for adults.

(GL 527500)

Stock code: 52047

Stock code:  
52048



### LEA NUMBERS® – Low Vision book, Set (attached at the top)

For the examination of VA for near and distance in patients with severe visual impairment. Includes occluder for children and metal frame for adults.

(GL 527300)

Stock code: 52048



Stock code:  
59806

### LEA NUMBERS® – Low Vision book, Set (attached at the left)

For the examination of VA for near and distance in patients with severe visual impairment. Includes occluder for children and metal frame for adults.

(GL 513100)

Stock code: 59806

Stock code:  
59807



### LEA SYMBOLS® – Low Vision book, Set (attached at the left)

For the examination of VA for near and distance in patients with severe visual impairment. Includes occluder for children and metal frame for adults.

(GL 527400)

Stock code: 59807

Stock code:  
59809



### LEA NUMBERS® – Low Vision book, attached at the left

For the examination of VA for near and distance in patients with severe visual impairment.

(GL 575300)

Stock code: 59808

### LEA NUMBERS® – Low Vision book, attached at the top

For the examination of VA for near and distance in patients with severe visual impairment.

(GL 575400)

Stock code: 59809

Stock code:  
59811



### LEA SYMBOLS® – Low Vision book, attached at the left

For the examination of VA for near and distance in patients with severe visual impairment.

(GL 575500)

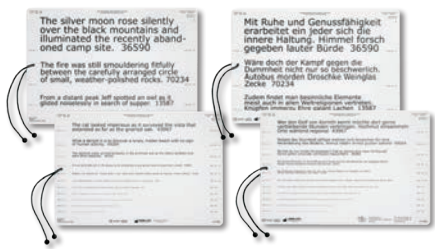
Stock code: 59810

### LEA SYMBOLS® – Low Vision book, attached at the top

For the examination of VA for near and distance in patients with severe visual impairment.

(GL 575600)

Stock code: 59811



Stock code:  
52057

Stock code:  
52056

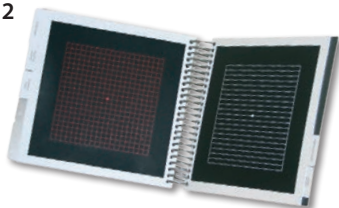


Stock code: 59800



Stock code: 59801

Stock code:  
59812



## Low Vision tests

**Reading plate in German** – reciprocally printed (Verdana)

Stock code: 52056

**Reading plate in English** – reciprocally printed (Verdana)

Stock code: 52057

Both reading plates come with a distance cord

The text in all VA lines has the same features: Continuous text of approx. 17 words, 5 single words, numbers

VA from 0.063 to 1.25 (40 cm), Format: 38 cm x 25 cm

The images show each front and back of the reading plates.

**Amsler test ring binder** (Keeler)

Stock code: 59800

7 charts for testing of functional central retinal disorders, particularly for AMD. With analysis pad

**Amsler test forms**

Stock code: 59801

(50 page pad)

**Amsler test ring binder** (GOOD-LITE®)

Stock code: 59812

7 pages: Standard (Amsler Chart), Central (Scotoma Diagonal), Color Scotoma (Red on Black), No Lines (Dots), Metamorphopsia (Parallel Lines on Black), Metamorphopsia Reading card (Added Central Lines), Juxta-central (Standard with small squares). (GL 730026)

**LEA SYMBOLS® cards** (40 M/60 M, reciprocally printed)

Stock code: 52117

5 cards each, can be used as individual symbols or placed in a row

Size 60 M Cards: approx. 21.9 cm x 21.9 cm

Size 40 M Cards: approx. 15.25 cm x 15.25 cm (GL 256100)



Stock code: 52117

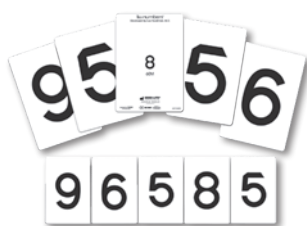
**LEA NUMBERS® cards** (40 M/60 M, reciprocally printed)

Stock code: 52124

5 cards each, can be used as individual symbols or placed in a row

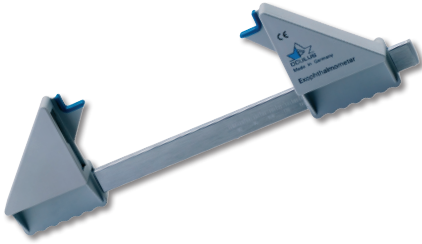
Size 60 M Cards: approx. 15.25 cm x 22.9 cm

Size 40 M Cards: approx. 10.2 cm x 15.25 cm (GL 272400)



Stock code: 52124

The numerator (m) indicates the test distance, the denominator (M) indicates the distance at which the gap of the equivalent Landolt ring subtends 1 minute of arc. Example for Test distance 3 m:  $3/40 = 0.075$



## Exophthalmometer

### Hertel Mirror Exophthalmometer

Classic mirror exophthalmometer for measuring protrusion in bilateral comparison. Scale with mm increments (OCULUS®).

Stock code: 53525



### Luedde Exophthalmometer

Exophthalmometer as handy pocket instrument. Useful for quick reading in exophthalmos patients.

Format: 8 cm length

(GL 781000)

Stock code: 53503

### Dual Luedde Exophthalmometer

The double exophthalmometer enables a direct comparison of the exophthalmos of the right and left eye.

Format: 20.5 cm x 10 cm

(GL 161030)

Stock code: 53539



## Accommodometer RAF

Accommodometer German text

Accommodometer English text

RAF accommodometer for assessment of accommodation and convergence near point.

Stock code: 53527

Stock code: 53527-E



## Neutral Density bar

**NEW!**

### Neutral Density filter

To examine afferent pupillary defects (APD). Also suitable as alternative to the Sbisa bar.

Filter values: 0.3; 0.6; 0.9; 1.2; 1.5; 1.8 density log units. (GL 151170)

Stock code: 53010



## Bagolini hand-held frame and lenses

### Bagolini hand-held frame

Cylinders in 45°/135° for testing of binocular vision under normal viewing conditions (OCULUS®).

Stock code: 53005

### Bagolini lenses

For trial frames (2 pieces), format: 38 mm

Stock code: 53019



## Red glasses

### Dark red glass

For diplopia-provocation and angle-determination with the Maddox cross.

Size: Ø 38 mm (OCULUS®)

Stock code: 53003

### Trapezoid dark red glass

For tangent screen and examinations requiring a large glass diameter.

Size: 10 cm x 6 cm

Stock code: 59520

### Maddox cylinder

For use in trial frames, for measuring deviation at fusion break point.

Size: Ø 38 mm (OCULUS®)

Stock code: 53004

## AWAYA Aniseikonia test



### Awaya Aniseikonia test

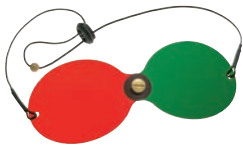
Near distance aniseikonia test as booklet with direct side-to-side comparison of red/green anaglyphs with size differences of 0 to 24 %, including red/green metal framed glasses. (GL 137800)

Stock code: 53012





**NEW!**



## Red-green glasses, frames & flippers

Red-green glasses (OCULUS®)		Stock code: 53001
Red-green hand-held frame (OCULUS®)		Stock code: 53002
Red-green flipper (4 lenses)	(GL494300)	Stock code: 53016
Wrap-around Red-green glasses for adults	(GL 153160)	Stock code: 53025
Wrap-around Red-green glasses for children	(GL 153170)	Stock code: 53026
Red-green glasses for children with horse design	(GL 461300)	Stock code: 53007
Red-green glasses for children with butterfly design	(GL 461200)	Stock code: 59538
Red-green glasses for children with parrot design	(GL 461400)	Stock code: 59539
Red-green glasses for children with tiger design	(GL 461500)	Stock code: 59540
Red-green glasses (with elastic strap)		Stock code: 53014

## Red-green tests

LED Red-Green test (Berens)		Stock code: 53013
Simple test to check binocular vision and fusion with three objects (dot/circle, figure, elephant).	(GL 153090)	
Flashlight LEA SYMBOLS®	(GL 520600)	Stock code: 53017
WORTH 4-Dot Flashlight	(GL 466800)	Stock code: 53018







Batteries required but not included



## Occluders and Paddles

<b>Classic Cover-Test Paddle (OCULUS®)</b>		<b>Stock code: 59501</b>
<b>Spielmann Occluder, semi-transparent</b>		<b>Stock code: 59517</b>
<b>Semi-transparent Occluder, short handle high transparency</b>	(GL 590200)	<b>Stock code: 59590</b>
<b>Pinhole Occluder 1 central pinhole (Ø 1,5 mm)</b>	(GL 479500)	<b>Stock code: 59581</b>
<b>Pinhole Occluder 49 pinholes, long handle</b>	(GL 478500)	<b>Stock code: 59582</b>

The images of the following items might differ slightly from the original.

	<b>Occluder red glass</b>	(GL 206001)	<b>Stock code: 59507</b>
	<b>Occluder Maddox cylinder</b>	(GL 205001)	<b>Stock code: 59508</b>
	<b>Occluder Maddox cylinder / black</b>	(GL 207000)	<b>Stock code: 59509</b>
	<b>Occluder Maddox cylinder / red</b>	(GL 209000)	<b>Stock code: 59510</b>
	<b>Maddox Cylinder - central Pinhole</b>	(GL 543500)	<b>Stock code: 59584</b>
	<b>Lewerenz Occluder</b> Maddox cylinder with occluder and scale in cm and diopters for quick assessment of accommodation and convergence near point	(GL 121370)	<b>Stock code: 59578</b>

# Occluders and Paddles



## LEA™ Face disposable Occluders

50 pcs., can be given to the child following a health screening or a preventive paediatric check-up

Stock code: 59544

(GL 253200)



## Plastic Occluder set, curved (grey)

(GL 750000)

Stock code: 59549

## Plastic Occluder set, curved (black)

(GL 751000)

Stock code: 59550

6 pcs.



## Plastic Occluder, curved (grey)

(GL 700544)

Stock code: 59547

## Plastic Occluder, curved (black)

(GL 700545)

Stock code: 59548

1 pc. (without image)



## Multiple Pinhole Spectacle Occluder

(GL 700010)

Stock code: 59545

The holder enables rapid, complete coverage of the eye and visual acuity testing via multiple pinholes

## Spectacle Occluder (without image)

(GL 700012)

Stock code: 59546

The holder enables rapid, complete coverage of the eye



## Polarisation/Red-green Flipper (4 lenses)

(GL 488400)

Stock code: 53015

## Clip-on Occluder, beige

To be mounted on the glasses frame (Set of 6 pcs.)

(GL 481150)

Stock code: 53531



## Clip-on Occluder, black

To be mounted on the glasses frame (1 pcs.)

(GL 121002)

Stock code: 59567



## Visual Field Fatigue Diffuser

For testing of VA and to conduct perimetry by fogging the contralateral eye. Plastic material (3 pieces)

(GL166000)

Stock code: 53536



**NEW!**



## Opaque Glass Occluders

Butterfly opaque glass occluder	(GL 460811)	Stock code: 53009
Horse opaque glass occluder	(GL 460911)	Stock code: 59535
Parrot opaque glass occluder	(GL 461011)	Stock code: 59536
Tiger opaque glass occluder	(GL 461111)	Stock code: 59537

Set of 2 frames (frosted lens)  
To enable visual acuity assessment even in the presence of nystagmus

Sunflower occlusion glasses	(GL 548500)	Stock code: 59543
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Both sides can flip up for VA testing.

Flip-Up Occluder Glasses (frosted lens)	(GL 587611)	Stock code: 59598
Flip-Up Occluder Glasses (opaque)	(GL 587600)	Stock code: 59599

Both sides can flip up for VA testing.

Polarisation Occluder - butterfly	(GL 460400)	Stock code: 59533
Polarisation Occluder - tiger	(GL 460700)	Stock code: 59534
Polarisation Occluder - horse	(GL 462000)	Stock code: 59541
Polarisation Occluder - parrot	(GL 462100)	Stock code: 59542

For binocular and stereoscopic testing.

## Sets for Visual Testing



<b>Paediatric Visual Acuity Set</b>	<b>Stock code: 52233</b>
-------------------------------------	--------------------------

Contents:  
LEA SYMBOLS® / LEA NUMBERS® card #52018, LEA SYMBOLS®/Tumbling E wallchart #52035, LANG stereo test I #54000, Matsubara colour plates #56011, Butterfly opaque glass occluder #53009



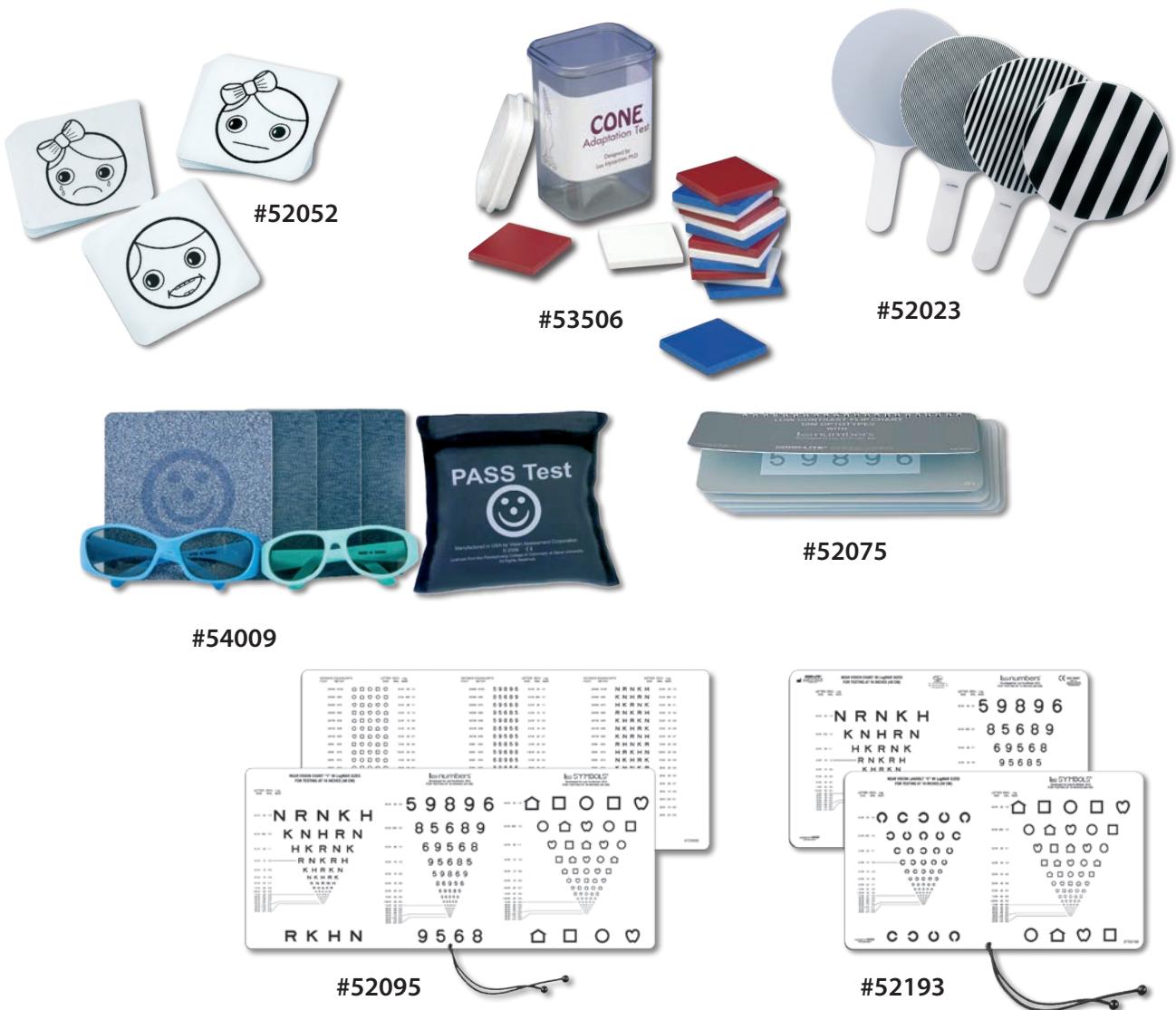
<b>PROVIKIT VA tests (Provision Project)</b>	<b>Stock code: 52234</b>
--	--------------------------

Contents:  
LEA SYMBOLS® card #52016, LEA 3-D PUZZLE® #52022, LEA SYMBOLS® - Low Contrast ring binder #52028, LEA SYMBOLS® Playing Cards #53504, LEA RECTANGLES GAME® #53505, LEA MAILBOX GAME® #53509, LANG stereo test II #54001



# Visual Acuity Tests for patients with dementia

- innovative
- easy and discreet testing
- quick evaluation



All items can be ordered by fax,  
 phone or via our online-shop: [www.eyesfirst.eu](http://www.eyesfirst.eu)

# OKN Instruments

The slow phase of the nystagmus is in the same direction as the movement of the flag or the drum. The nystagmus is named after the direction of the quick phase.

Stock code:  
53502



OKN flag in red-white for provocation and testing  
opto-kinetic nystagmus  
Size: 9.5 cm x 71 cm

(GL 547400)

Stock code: 53502

Stock code:  
53541



OKN flag in black-white  
Size: 9.5 cm x 71 cm

(GL 607700)

Stock code: 53541

Stock code:  
53519



OKN flag in black-white  
Size: 25 cm x 68 cm

(GL 607800)

Stock code: 53519

Stock code:  
53510



OKN drum for provocation and testing opto-kinetic  
nystagmus. Height of drum: 26 cm,  
Overall height: 44 cm, Ø = 18 cm

(GL 547500)

Stock code: 53510

Replacement handle for OKN drum

Stock code: 53518



## Nystagmus glasses Frenzel

### Nystagmus glasses (Frenzel) (DEHAG)

High plus lenses disrupt fixation and therefore enable detection of spontaneous nystagmus. The +15 D glasses provide magnification for easy assessment of eye movements.

Battery version with illumination

Stock code: 53516

Batteries required but not included



## Maddox-Wing test

### Maddox-Wing-Test

Quick and efficient near test for horizontal, vertical and cyclo-deviations. Differentiation between phoria and tropia must be carried out separately.

Stock code: 59521

## Maddox Cross

### Maddox Cross with LED lights

Scale for 5 m and 1 m, incl. LED lights and transformer (OCULUS®).

For easy testing of horizontal and vertical deviations.

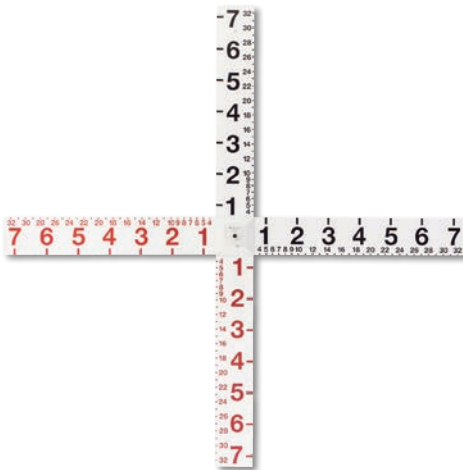
Size: 1.30 m height / width

Stock code: 59519

### Maddox Cross replacement bulb

For conventional fixation lights in the Maddox cross

Stock code: 59524



## Trial Frames adults and children



Stock code: 57019

### Universal Trial frame – our "special brand"

Cost effective classic standard trial frame with a maximum of 5 lenses in either aperture. Ø 38 mm, PD 50 mm to 80 mm. (GL 455500)

Stock code: 57019



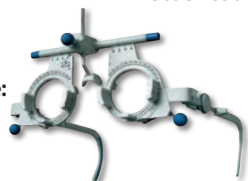
Stock code: 57001

### Trial frame UB 3+ (OCULUS®)

Trial frame for clinics and medical practices, can hold a maximum of 5 lenses (Ø 38 mm) in either aperture (PD 48 mm to 80 mm).

Stock code: 57001

Stock code:  
57005

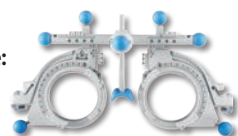


### Trial frame UB4 (OCULUS®)

Modern trial frame in appealing design. R/L adjustable PD (48 to 80 mm). For up to 5 lenses (Ø 38 mm) in either aperture.

Stock code: 57005

Stock code:  
57005-A



### Height adjustable trial frame UB4 (OCULUS®) (without image)

Stock code: 57005-A

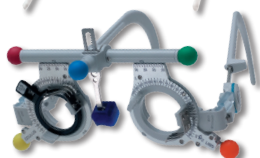


Stock code: 57042

### Polarisation filter for UB 4 (OCULUS®)

As an accessory to attach on the UB 4 measurement glasses, with height adjustment for distance- and near-vision testing; can be pivoted and rotated. The picture shows UB4 with polarisation filters already mounted.

Stock code: 57042



Stock  
code:  
57006

### Trial frame UB5 (OCULUS®)

Light-weight trial frame in attractive design. With removable coloured knobs and adjustable PD (40 to 72 mm). For up to 5 small lenses (Ø 28 mm) in either aperture.

Stock code: 57006



Stock code:  
57049

### Trial frame UB 6 (OCULUS®)

The new development focused on ergonomics, simple handling and optimal wear comfort. Can be fitted with 6 trial lenses (Ø 38 mm) in either aperture (PD 46 mm to 80 mm).

Stock code: 57049



Stock code:  
57046

### Trial frame, robust

Trial frame in robust quality with adjustable PD (54 mm to 70 mm). (GL 469900)

Stock code: 57046



Stock code:  
57053

### Trial frame (OCULUS®)

Light weight trial frame for up to 3 lenses (Ø 38 mm) in either aperture. For refraction with adjustable PD (59 mm to 67 mm) and nose-pad.

Stock code: 57053



Stock code:  
57004

### Children trial frame (OCULUS®)

For up to 3 lenses (Ø 38 mm) in either aperture. For refraction with adjustable PD 54 mm to 58 mm and nose-pad.

Stock code: 57004

### Children trial frame – simple version (OCULUS®)

Without adjustable nose-pad (without image).

Stock code: 57007





Stock code: 57050



Stock code: 57052



Stock code: 57046-A

## Trial Frames children

### Baby trial frame COMO (PD 50 mm)

For up to 2 lenses (Ø 38 mm) in either aperture. (GL 472300)

Stock code: 57050

### Toddler trial frame COMO (PD 57 mm)

For up to 2 lenses (Ø 38 mm) in either aperture. (GL 472400)  
(without image)

Stock code: 57052

### Children trial frame, robust (image similar)

Trial frame for children in robust quality (Ø 38 mm) with adjustable PD 48 mm to 60 mm.

Stock code: 57046-A



## Refraction Trial Frame sets

### Refraction set for children

4 trial frames (Ø 38 mm) with fixed PD in the following sizes: PD 50, 52, 54, 56 mm

Stock code: 57015A

### Refraction set for adolescents and adults

6 trial frames (Ø 38 mm) with fixed PD in the following sizes: PD 58, 60, 62, 64, 66, 68 mm

Stock code: 57015B



## Refraction Glasses children

Useful for retinoscopy, testing of convergence excess and AC:A ratio.

Tiger refraction glasses	+1,5 D	(GL 528900)	Stock code: 57010
Butterfly refraction glasses	+1,5 D	(GL 516000)	Stock code: 57039
Horse refraction glasses	+1,5 D	(GL 525900)	Stock code: 57041
Parrot refraction glasses	+1,5 D	(GL 525700)	Stock code: 57040
Tiger refraction glasses	+2,0 D	(GL 491300)	Stock code: 57011
Butterfly refraction glasses	+2,0 D	(GL 491000)	Stock code: 57029
Horse refraction glasses	+2,0 D	(GL 491100)	Stock code: 57030
Parrot refraction glasses	+2,0 D	(GL 491200)	Stock code: 57031
Tiger refraction glasses	+2,5 D	(GL 500611)	Stock code: 57035
Butterfly refraction glasses	+2,5 D	(GL 500300)	Stock code: 57032
Horse refraction glasses	+2,5 D	(GL 500400)	Stock code: 57033
Parrot refraction glasses	+2,5 D	(GL 500500)	Stock code: 57034
Tiger refraction glasses	+3,0 D	(GL 515200)	Stock code: 57012
Butterfly refraction glasses	+3,0 D	(GL 514900)	Stock code: 57036
Horse refraction glasses	+3,0 D	(GL 515100)	Stock code: 57037
Parrot refraction glasses	+3,0 D	(GL 515000)	Stock code: 57038



## Trial Lenses set

**Trial Lenses set** – 90 big aperture lenses

**Stock code: 57045**

90 lenses (Ø 38 mm) with metal rim, spherical  $\pm 0.25$  D to  $\pm 10.00$  D, minus cylinders 0.25 D to 3.00 D, 6 additional lenses (Occluder, Pinhole, Slit, Red Filter, Maddox Red Filter, Green Filter) plus Jackson cross cylinder  $\pm 0.25$  D with handle (all lenses without anti reflective coating).

For a selection of single lenses and additional lenses see page 66

## Jackson Cross cylinders

For subjective refraction

**Jackson cross cylinder**  $\pm 0,25$  D

**Jackson cross cylinder**  $\pm 0,50$  D

**Jackson cross cylinder**  $\pm 0,75$  D

**Jackson cross cylinder**  $\pm 1,00$  D



## Confirmation bar

**Confirmation bar** (OCULUS®)

**Stock code: 57008**

For spherical fine adjustment in subjective refraction.

$\pm 0,25$  D and  $\pm 0,50$  D



## Retinoscopy Bar sets

**Retinoscopy bar set** (Glass diameter approx. 15 mm)

**Stock code: 57000**

Retinoscopy bars in parallel arrangement, one plus and minus bar each from 0.5 D to 15.0 D, incl. case (Luneau), Powers per bar: 0.5; 1.0; 1.5; 2.0; 2.5; 3.0; 3.5; 4.0; 5.0; 6.0; 7.0; 8.0; 9.0; 10.0; 12.0; 15.0 D

**Retinoscopy bar set with axis specification** (Glass diameter approx. 16 mm)

**Stock code: 57020**

Powers per bar: 0.5; 1.0; 1.5; 2.0; 2.5; 3.0; 3.5; 4.0; 4.5; 5.0; 5.5; 6.0; 6.5; 7.0; 8.0 and 12 D.

One plus and minus bar of 0.5 D to 12.0 D each, in case.

The 180° Tabo notation above the lenses facilitates determination of the cylinder axis position. (GL 506600)



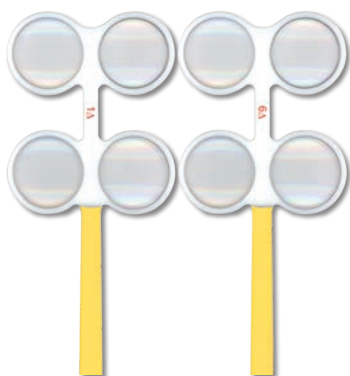


## Confirmation Flippers spherical

Binocular confirmation flippers of various power, each with 2 parallel plus and minus lenses

Confirmation flipper $\pm 0,25$ D	(GL 127025)	Stock code: 57021
Confirmation flipper $\pm 0,50$ D	(GL 127050)	Stock code: 57022
Confirmation flipper $\pm 0,75$ D	(GL 127075)	Stock code: 57023
Confirmation flipper $\pm 1,00$ D	(GL 127100)	Stock code: 57024
Confirmation flipper $\pm 1,25$ D	(GL 127125)	Stock code: 57025
Confirmation flipper $\pm 1,50$ D	(GL 127150)	Stock code: 57026
Confirmation flipper $\pm 1,75$ D	(GL 127175)	Stock code: 57027
Confirmation flipper $\pm 2,00$ D	(GL 127200)	Stock code: 57028
Confirmation flipper $\pm 2,50$ D	(GL 127250)	Stock code: 57047
Confirmation flipper $\pm 3,00$ D	(GL 127300)	Stock code: 57048

Confirmation flipper set (6 pieces) (GL 499700) Stock code: 57051  
Powers:  $\pm 0.25$  D,  $\pm 0.50$  D,  $\pm 0.75$  D,  $\pm 1.00$  D,  $\pm 1.50$  D,  $\pm 2.00$  D



## Prism Flippers

Prism flipper 1 pdpt.	(GL 137001)	Stock code: 55435
Prism flipper 2 pdpt.	(GL 137002)	Stock code: 55429
Prism flipper 3 pdpt.	(GL 137003)	Stock code: 55430
Prism flipper 4 pdpt.	(GL 137004)	Stock code: 55431
Prism flipper 6 pdpt.	(GL 137006)	Stock code: 55432
Prism flipper 8 pdpt.	(GL 137008)	Stock code: 55433

Prism Flipper Set (GL 624500) Stock code: 55434  
Set with 6 prism powers:  $1\Delta$ ,  $2\Delta$ ,  $3\Delta$ ,  $4\Delta$ ,  $6\Delta$ ,  $8\Delta$   
(image similar)

Stand for 6 Confirmation/Prism Flippers (GL 501600) Stock code: 59964  
(without image)



# Metal Rim lenses

Suitable for perimetry and any examinations where a large visual field is required (38 mm diameter).

Stock code:

Stock code:

Stock code:

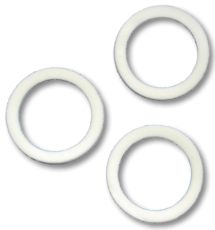
Metal Rim lens	+0.25 D	57200	Metal Rim lens, cylinder	-4.00 D	57247	Metal Rim lens	+16.00 D	57294
Metal Rim lens	-0.25 D	57201	Metal Rim lens	+4.25 D	57248	Metal Rim lens	-16.00 D	57295
Metal Rim lens, cylinder	-0.25 D	57202	Metal Rim lens	-4.25 D	57249	Metal Rim lens	+18.00 D	57296
Metal Rim lens	+0.50 D	57203	Metal Rim lens	+4.50 D	57250	Metal Rim lens	-18.00 D	57297
Metal Rim lens	-0.50 D	57204	Metal Rim lens	-4.50 D	57251	Metal Rim lens	+20.00 D	57298
Metal Rim lens, cylinder	-0.50 D	57205	Metal Rim lens, cylinder	-4.50 D	57252	Metal Rim lens	-20.00 D	57299
Metal Rim lens	+0.75 D	57206	Metal Rim lens	+4.75 D	57253	Plano lens		57300
Metal Rim lens	-0.75 D	57207	Metal Rim lens	-4.75 D	57254	Frosted lens		57301
Metal Rim lens, cylinder	-0.75 D	57208	Metal Rim lens	+5.00 D	57255	Occluder, black		57302
Metal Rim lens	+1.00 D	57209	Metal Rim lens	-5.00 D	57256	Red filter		57303
Metal Rim lens	-1.00 D	57210	Metal Rim lens, cylinder	-5.00 D	57257	Green filter		57304
Metal Rim lens, cylinder	-1.00 D	57211	Metal Rim lens	+5.25 D	57258	Pinhole	1.5 mm	57305
Metal Rim lens	+1.25 D	57212	Metal Rim lens	-5.25 D	57259	Pinhole	1.0 mm	57306
Metal Rim lens	-1.25 D	57213	Metal Rim lens	+5.50 D	57260	Slit	1.5 mm	57307
Metal Rim lens, cylinder	-1.25 D	57214	Metal Rim lens	-5.50 D	57261	Slit	1 0 mm	57308
Metal Rim lens	+1.50 D	57215	Metal Rim lens, cylinder	-5.50 D	57262	Marking cross		57310
Metal Rim lens	-1.50 D	57216	Metal Rim lens	+5.75 D	57263	Prism lens	0.50 cm/m	57311
Metal Rim lens, cylinder	-1.50 D	57217	Metal Rim lens	-5.75 D	57264	Prism lens	1.00 cm/m	57312
Metal Rim lens	+1.75 D	57218	Metal Rim lens	+6.00 D	57265	Prism lens	2.00 cm/m	57313
Metal Rim lens	-1.75 D	57219	Metal Rim lens	-6.00 D	57266	Prism lens	3.00 cm/m	57314
Metal Rim lens, cylinder	-1.75 D	57220	Metal Rim lens, cylinder	-6.00 D	57267	Prism lens	4.00 cm/m	57315
Metal Rim lens	+2.00 D	57221	Metal Rim lens	+6.50 D	57268	Prism lens	5.00 cm/m	57316
Metal Rim lens	-2.00 D	57222	Metal Rim lens	-6.50 D	57269	Prism lens	6.00 cm/m	57317
Metal Rim lens, cylinder	-2.00 D	57223	Metal Rim lens	+7.00 D	57270	Prism lens	8.00 cm/m	57318
Metal Rim lens	+2.25 D	57224	Metal Rim lens	-7.00 D	57271	Prism lens	10.00 cm/m	57319
Metal Rim lens	-2.25 D	57225	Metal Rim lens	+7.50 D	57272	Maddox Cylinder	white	57309
Metal Rim lens, cylinder	-2.25 D	57226	Metal Rim lens	-7.50 D	57273		(GL473200)	
Metal Rim lens	+2.50 D	57227	Metal Rim lens	+8.00 D	57274	Maddox Cylinder	red	57320
Metal Rim lens	-2.50 D	57228	Metal Rim lens	-8.00 D	57275		(GL473000))	
Metal Rim lens, cylinder	-2.50 D	57229	Metal Rim lens	+8.50 D	57276			
Metal Rim lens	+2.75 D	57230	Metal Rim lens	-8.50 D	57277			
Metal Rim lens	-2.75 D	57231	Metal Rim lens	+9.00 D	57278			
Metal Rim lens, cylinder	-2.75 D	57232	Metal Rim lens	-9.00 D	57279			
Metal Rim lens	+3.00 D	57233	Metal Rim lens	+9.50 D	57280			
Metal Rim lens	-3.00 D	57234	Metal Rim lens	-9.50 D	57281			
Metal Rim lens, cylinder	-3.00 D	57235	Metal Rim lens	+10.00 D	57282			
Metal Rim lens	+3.25 D	57236	Metal Rim lens	-10.00 D	57283			
Metal Rim lens	-3.25 D	57237	Metal Rim lens	+11.00 D	57284			
Metal Rim lens, cylinder	-3.25 D	57238	Metal Rim lens	-11.00 D	57285			
Metal Rim lens	+3.50 D	57239	Metal Rim lens	+12.00 D	57286			
Metal Rim lens	-3.50 D	57240	Metal Rim lens	-12.00 D	57287			
Metal Rim lens, cylinder	-3.50 D	57241	Metal Rim lens	+13.00 D	57288			
Metal Rim lens	+3.75 D	57242	Metal Rim lens	-13.00 D	57289			
Metal Rim lens	-3.75 D	57243	Metal Rim lens	+14.00 D	57290			
Metal Rim lens, cylinder	-3.75 D	57244	Metal Rim lens	-14.00 D	57291			
Metal Rim lens	+4.00 D	57245	Metal Rim lens	+15.00 D	57292			
Metal Rim lens	-4.00 D	57246	Metal Rim lens	-15.00 D	57293			

All lenses have a diameter of 38 mm.





reddot design award



## Loupe easyloupe® 2.5 x Titanium

### Loupe easyloupe® 2.5 x – Titanium (OCULUS®)

Modern loupe in attractive design, 2.5 x magnification. Adjustable pupillary distance (50-75mm), fixed convergence-angles, high depth perception with excellent bright image. Working distance of 400 mm (16"), working field of 80 mm (3.2"), comes with a solid case  
Weight: 50 g

Stock code: 53800

## Indicators for testing VA

Indicator – E-hook

Stock code: 53500

Indicator – Landolt ring

Stock code: 53501

## Optoquick self-adhesive rings

Optoquick are particularly useful for subjective refraction, near-distance addition and prism-trial with patient's frames.

Double-sided self-adhesive rings,  
for fixing on worn lenses, Ø 40 mm,  
for glass diameters of 38 mm.

Qty: 100

Stock code: 59502

Qty: 200

Stock code: 59503

Qty: 500

Stock code: 59504

Qty: 1000

Stock code: 59505



## Retina Lenses MediWorks

### Retina lens 20 D

Stock code: 57700

High degree of light transmission, double aspherical precision design, large observation field (material: glass).  
Magnification: 3.13 x, Lens diameter: 48 mm, Visual field: 46°;  
Working distance: 50 mm

### Retina lens 78 D

Stock code: 57701

High degree of light transmission, double aspherical precision design, large observation field (material: glass).  
Magnification: 0.93 x, Lens diameter: 26 mm, Visual field: 81,4°  
Working distance: 8 mm

### Retina lens 90 D

Stock code: 57702

High degree of light transmission, double aspherical precision design, large observation field (material: glass).  
Magnification: 0.76 x, Lens diameter: 21 mm, Visual field: 74,2°  
Working distance: 7 mm

# LANG Stereo tests



Stock code:  
54001



**NEW!**



## LANG Test I

3 objects, suitable for use with stereopsis screening from approx. age 12 months.

Stock code: 54000

## LANG Test II

4 objects, with a control object that is also detected monocularly. Suitable for use with stereopsis screening from approx. age 12 months old.

Stock code: 54001

## LANG STEREOPAD®

6 magnetic test cards from 1000" to 50", which can be arranged individually or in groups. Suitable for stereo screening from 12 months of age on a preferential looking basis.

Stock code: 54021

## Monopod - support for LANG-STEREOPAD®

Stock code: 54021-S

No glasses are needed to perform the LANG stereo tests.



# Stereo tests diverse

## TNO Test

With red-green glasses, different tests for binocularity and stereopsis in a ring binder. Contains 6 plates

Stock code: 54002

Please note: the TNO glasses have the red filter on the left side.

## TNO test (without red-green glasses)

Stock code: 54002-A

## TNO red-green glasses (red = left)

Stock code: 54002-B

Stock code:  
54003



Stock code:  
54005



## Titmus stereo test fly (Stereo Optical)

Fly, rings, animals, from 3552" to 40"  
Polarisation glasses included

Stock code: 54003

Stock code:  
54004



## Titmus stereo test butterfly (Stereo Optical)

Butterfly, rings, animals from 2500" to 40"  
Polarisation glasses included

Stock code: 54005

## Randot stereo test (Stereo Optical)

Symbols, rings, animals, from 500" to 20"  
Polarisation glasses included

Stock code: 54004



**NEW!**

## Dinosaur Randot stereo test (Bernell)

New, glasses free stereo test with lenticular technology. Images can either appear to protrude outwards or recede inwards.

Stock code: 54020

Stereopsis from 400" to 40"

(GL 370129)



Stock code: 54006

## Stereo tests diverse

**Stereopsis "Fly" with LEA SYMBOLS®** (Stereo Optical)  
Random dot Stereo test with fly, rings and LEA SYMBOLS®,  
from 4800" to 20" With legend on the back and  
2 polarisation glasses (GL 100050)

Stock code: 54006



Stock code: 54006-A

**Stereo test "Fly" - standard test** (VAC)  
Stereo test with fly, rings and geometric figures, from 4800" to 20"  
(GL 100055)

Stock code: 54006-A



Stock code: 54007

**Stereopsis "Butterfly" with LEA SYMBOLS®** (Stereo Optical)  
Random dot Stereo test with butterfly, rings and LEA SYMBOLS®,  
from 2500" to 20" With legend on the back and  
2 polarisation glasses (GL 101050)

Stock code: 54007



Stock code: 54007-A

**Stereo test "Butterfly" - standard test** (VAC)  
Stereo test with butterfly, rings and geometric figures, from 2500" to 20"  
(GL 101055)

Stock code: 54007-A



Stock code:  
54022 **NEW!**

**Distance Stereo test** (VAC)  
Random dot test for 3 m  
Includes 4 test cards (400", 200", 100", 63"), demo card, blank card  
and 2 Polarisation glasses (GL 106500)

Stock code: 54022



Stock code:  
54018

### Stereo tests based on preferential looking:

**Random DOT test "E"** (VAC)  
Simple stereo screening test using "E". The letter can only be identified  
in the correct letter alignment when standing in front.  
With test and blank card and 2 polarisation glasses (GL 101550)

Stock code: 54018



Stock code: 54009

**PASS Test 2 "Smiley"** (VAC)  
Depth perception test for preschool assessment of stereopsis in children,  
babies and non-readers. The smiley test figure makes sure that no inter-  
ference with form detection may occur.  
Includes 4 cards (480", 240", demo, blank)  
2 Polarisation glasses included (GL 101200)

Stock code: 54009



Stock code: 54010

**PASS Test 3 "Smiley"** (VAC)  
Depth perception test for quantitative assessment of stereopsis in chil-  
dren, babies and non-readers. The smiley test figure makes sure that no  
interference with form detection may occur.  
Includes 6 cards (480", 240", 120", 60", demo, blank)  
2 Polarisation glasses included (GL 101300)

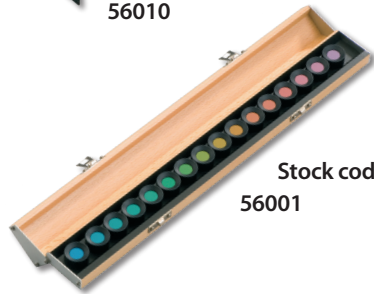
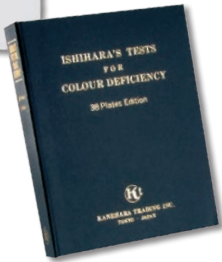
Stock code: 54010



Stock code: 56000



Stock code:  
56010



Stock code:  
56001



Stock code:  
56019



Stock  
code: 56026



Stock code: 56022



Stock code:  
56011

## Colour tests

### Ishihara colour test with 38 plates

The classic colour test for quick reference, with numbers and shapes.

Stock code: 56000

### Ishihara colour test with 24 plates (without image)

Stock code: 56013

### Ishihara colour test with 14 plates

Stock code: 56010

### Farnsworth D-15 (Luneau)

Abbreviated Farnsworth 100 Hue test as short screening test for differentiation between slight and distinct colour blindness.

Stock code: 56001

### Lanthony test 15 hue (Luneau)

Desaturated Farnsworth D-15 test (without image)

Stock code: 56004

## The recording form pads have 100 sheets each.

Recording forms for Farnsworth D 15 (without image)

Stock code: 56006

Recording forms for Lanthony 15 hue (without image)

Stock code: 56007

Recording forms for Roth 28 hue (without image)

Stock code: 56008

Recording forms for Farnsworth 100 hue (without image)

Stock code: 56009

### Farnsworth D-15 (GOOD-LITE®)

Serves as a quick screening test for the differentiation of mild and advanced colour deficiencies. (GL730022)

Stock code: 56019

### Lanthony colour test (GOOD-LITE®)

Desaturated Farnsworth D-15 (without image) (GL 730023)

Stock code: 56021

### Magnetic Farnsworth D-15 (GOOD-LITE®)

(GL 730004)

Stock code: 56026

### Magnetic Farnsworth 100 hue (GOOD-LITE®)

(GL 730034)

Stock code: 56022

Contains: 89 hues

### Matsubara colour plates

For testing of congenital red / green colour defects in young children. (10 plates in a book), includes black-white demonstration plates

Stock code: 56011





Stock code:  
56014

## Colour tests

### LEA™ Panel 16 – Colour test

With large colour discs (Ø 3.3 cm) for testing of Low-Vision patients. Travel Tube with black cloth for testing. Includes rings to reduce aperture for general testing  
Format: ø 6 cm, Length: 22 cm (GL 260260)

Stock code: 56014



Stock code: 56018

### LEA™ Panel 16 – Colour test – in a transparent box

With large colour discs (Ø 3.3 cm) for testing of Low-Vision patients.  
Format: 74 cm x 8.5 cm (GL 260200)

Stock code: 56018



Stock code:  
56016

### LEA™ Panel 16 – Colour test – double set

The double set makes it easier to perform the colour test, especially on children. In this test, the colour patterns are laid out in any sequence and the child is asked to allocate the matching colour values from the second set.

Stock code: 56016

Format: 74 cm x 8.5 cm, colour disc diameter of 3.3 cm (GL 260100)

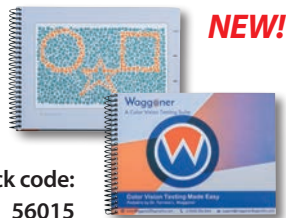


Stock code:  
56017

### LEA™ Panel 16 – Colour test – double set in a Travel Tube

With large colour discs (Ø 3.3 cm) for testing of Low-Vision patients.  
Format: 2 Tubes à ø 6 cm, Length: 22 cm (GL 260160)

Stock code: 56017



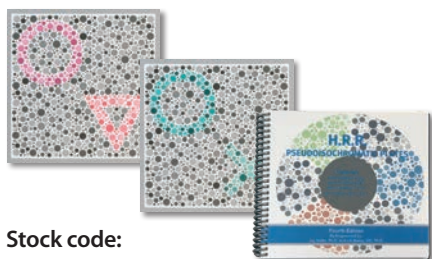
Stock code:  
56015

### Waggoner colour test "Color Vision Screening Made Easy"

The popular colour test with symbols is now available again in a new version. Contains 1 demonstration card and 9 test cards with circle, star, square for rapid screening of colour vision and 4 additional charts for screening.

Stock code: 56015

(GL 730060)



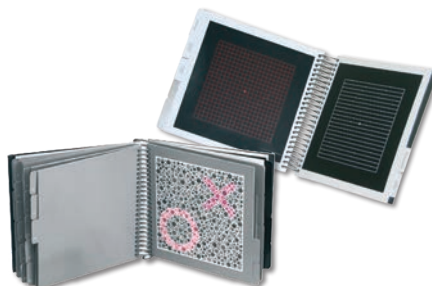
Stock code:  
56024

### HRR Colour test, laminated version

The HRR (Hardy Rand and Rittler) Standard Pseudoisochromatic Test, 4th Edition provides several important features to provide the most advanced color vision test available: congenital and acquired testing, identification of the type of defect and diagnosis of the extent of the defect as well as quick positive classification of normals. The figures (circle, cross, triangle) used by the HRR Pseudoisochromatic Plates are independent of language and suitable for both adults and children. Contents: 4 demonstration plates, 6 plates for Screening, 14 plates to diagnose color deficiency.

Stock code: 56024

(GL 730005)



Stock code: 56028

### HRR Colour Test / Amsler Test, laminated (GOOD-LITE®)

Ring binder with HRR Colour Test pages and Amsler Test pages.  
(GL 730020)

Stock code: 56028

### Recording forms for HRR Colour test Stock code: 53538

2 pads of 50 sheets each (without image) (GL 459400)

## Visual Field tests



### LEA FLICKER WAND®

Improves Confrontation Visual Field testing. With flickering or non-flickering stimulus. The curved wand is moved from behind the person forward in all four quadrants of VF to detect losses in the periphery of the VF. In particular useful in assessment of Low Vision and in Rehabilitation.

Format: 67.3 cm length in total. (GL 280000)

Stock code: 53511



### Damato Campimeter

Hand-held, portable visual field test, reciprocally printed. Ideal for testing in cases where normal VF testing is impractical. Tests 30° central VF by presenting a black-white stimulus. The patient is asked to fixate the relevant dots marked by numbers.

Format: 41 cm x 41 cm (GL 293000)

Stock code: 53508



### Confrontation test 30°

Automated Confrontation Visual field, testing 30° in near distance. Quick, easy to use and cost effective (both eyes in less than two minutes). Particularly in the case of bedridden patients or patients for whom a classic visual field examination is not possible.

Comes with distance cord and four LED lights.

Format: 12 cm x 17 cm (GL 476550)

Stock code: 53512



### Amsler test ring binder (Keeler)

7 charts for testing of functional central retinal disorders, in particular for AMD.

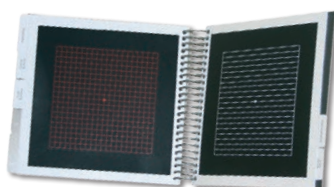
With analysis pad

Stock code: 59800

### Amsler test forms

(50 page pad)

Stock code: 59801

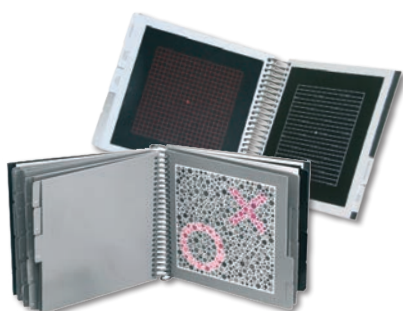


### Amsler test ring binder (GOOD-LITE®)

7 pages: Standard (Amsler Chart), Central (Scotoma Diagonal), Color Scotoma (Red on Black), No Lines (Dots), Metamorphopsia (Parallel Lines on Black), Metamorphopsia Reading card (Added Central Lines), Juxta-central (Standard with Small Squares).

(GL 730026)

Stock code: 59812



### HRR Colour Test / Amsler Test, laminated (GOOD-LITE®)

Ring binder with HRR Colour Test pages and Amsler Test pages.

(GL 730020)

Stock code: 56028

# Consumables



## Single-use Tonometer Prisms L900 (Luneau)

Stock code: 53700

For all types of Goldmann applanation tonometers incl. Perkins tonometer. The individually sterile-packaged tonometer heads prevent cross contamination and are particularly useful in infectious diseases and after surgeries. Excellent image quality, simple handling.

100 pieces/box

Please ask for a special discount when ordering big quantities.



## Visual Field Fatigue Diffuser

Stock code: 53536

For testing of VA and to conduct perimetry by fogging the contralateral eye. Plastic material (3 pieces) (GL166000)



## Pro-ophta® Ocular sticks

Stock code: 58008

500 pieces (64 mm x 5 mm), non-sterile



## Miscellaneous diagnostic eye products

### Aesthesiometer Cochet-Bonnet (Luneau)

Classic Aesthesiometer to measure corneal sensitivity with nylon thread 12/100 mm.

Stock code: 53540



### Brock string with 5 beads

Package of 12 strings, length 3 m.

(GL 593800)

Stock code: 59959

### Single Brock string

(GL 603200)

Stock code: 59959-A



**NEW!**

### Marsden Fixation Ball

3" hollow ball made of durable vinyl with applied black letters and numbers on a 10 foot cord.

For testing and training of eye movements.

(GL 108150)

Stock code: 59596



### Portabook

Bookholder, clipboard and stylish college-map in one. The inner compartment can store A4 formats and up to 5 pencils. For mobile use in Low Vision and for ergonomic work with laptop.

Format: 37 cm x 28 cm x 3 cm (H/W/D)

Stock code: 59803





reddot design award

## Miscellaneous diagnostic eye products

### Loupe easyloupe® 2.5 x – Titanium (OCULUS®)

Modern loupe in attractive design, 2.5 x magnification. Adjustable pupillary distance (50-75mm), fixed convergence-angles, high depth perception with excellent bright image. Working distance of 400 mm (16"), working field of 80 mm (3.2"), comes with a solid case  
Weight: 50 g

Stock code: 53800



### Confirmation bar (OCULUS®)

For fine spherical adjustment  
±0.25 D and ±0.50 D

Stock code: 57008



### Multiple Pinhole Spectacle Occluder

(GL 700010)

Stock code: 59545

### Spectacle Occluder without pinhole

(GL 700012)

Stock code: 59546

The holder enables rapid, complete coverage of an eye for visual acuity testing via multiple pinholes (without image).



### Polarisation Glasses for adults

suitable in combination with Stereo tests

(GL 103050)

Stock code: 59506



### Polarisation Glasses, intermediate size

suitable in combination with Stereo tests

(GL 103175)

Stock code: 59528



### Polarisation Glasses for children

suitable in combination with Stereo tests

(GL 103150)

Stock code: 59514



### Nose pad blue, soft (3 pieces)

For OCULUS® trial frames

Stock code: 57016



### Nose pad black, soft (2 pieces)

For classic OCULUS® UB 3 only (without image)

Stock code: 57017



### Nose pad for OCULUS® children's trial frame (1 piece)

Stock code: 57018

## Miscellaneous diagnostic eye products



**NEW!**

LEA™ book "What and How Does This Child See? (2nd edition)  
The book covers different aspects of visual function and maturation  
(in English). (GL 791000)

Stock code: 53515

**NEW!**

LEA™ USB stick "What and How Does This Child See?"  
USB version of the book (in English) (GL 792000)

Stock code: 53542



DVD "Leo Learns By Doing" Stock code: 53517

The DVD tells the story of a visually impaired child named Leo. Step by step, the therapist explains techniques that parents can use to develop and support Leo's existing abilities. Soundtrack in English, Finnish, Swedish, Russian, Chinese and Spanish. (GL 790000)

LEA™ Symbols response plate (4 objects/plate) (GL 251701) Stock code: 52031

LEA™ Symbols response cards (4 single cards) (GL 251800) Stock code: 52032

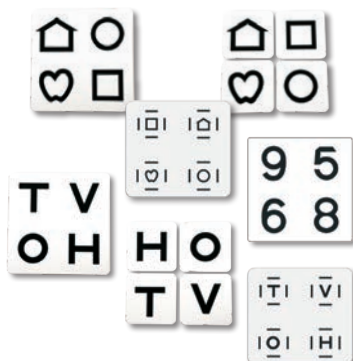
LEA™ Symbols response plate – crowding edging  
(4 objects/plate) (GL 255303) Stock code: 52242

LEA™ Numbers response plate (4 Numbers/plate) (GL 270030) Stock code: 52241

HOTV response cards (4 single cards) (GL 700515) Stock code: 52033

HOTV response plate (4 objects/plate) (GL 700523) Stock code: 52034

HOTV response plate – crowding edging  
(4 objects/plate) (GL 700530) Stock code: 52245



Reversible Occluding Glasses

Occluding glasses for rapid reversible occlusion in vision tests and monocular exercises. (GL 452300)

Stock code: 57013



Pupillometer (Bernell)

The front shows different pupil diameters, the back lists expected pupil size in different lighting.

Set of 5 pieces

Format: Ø approx. 83 mm

(GL 566500)

Stock code: 53521



## Miscellaneous diagnostic eye products

### Vectographs

Vectograph VAC 1055  
 Vectograph VAC 1060  
 Vectograph VAC 1060PL  
 Vectograph VAC Bear

Stock code: 54011  
 Stock code: 54012  
 Stock code: 54013  
 Stock code: 54019



### Flashing Fixation Star for Retinoscopes/Ophthalmoscopes

Set of 3 for Welch Allyn® and Keeler Ophthalmoscopes and Retinoscopes. Comes with double-sided tape for mounting. (GL 489000)

Stock code: 53535



### HEINE® Fixation Cards with holder

for dynamic retinoscopy to be fixed on the BETA® 200 retinoscope. (Heine C-000.15.360)

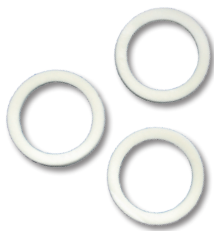
Stock code: 57532



### Diagnostic Torch Penlight

Handy diagnostic torch including replaceable batteries

Stock code: 59588



### Optoquick self-adhesive rings (please refer to page 65)

Double-sided self-adhesive rings,  
 for fixing on worn lenses, Ø 40 mm,  
 for glass diameters of 38 mm.

Qty: 100  
 Qty: 200  
 Qty: 500  
 Qty: 1000

Stock code: 59502  
 Stock code: 59503  
 Stock code: 59504  
 Stock code: 59505

Optoquick are particularly useful for subjective refraction, near-distance addition and prism-trial with patient's frames.



## Miscellaneous diagnostic eye products

### Landolt-C Response Optotype

Made of durable plastic

Format: Ø approx. 15 cm

(GL 602600)

Stock code: 59577

**Pad with Landolt rings**, 100 pages  
(without image)

Stock code: 59594



### Tumbling E Response Optotype

Made of durable plastic

Format: approx. 15 cm x 15 cm

(GL 673700)

Stock code: 59585

**Pad with Tumbling E**, 100 pages  
(without image)

Stock code: 59593



### LEA™ Ruler Pads

Pad of 25 sheets as give away for patients. Helps to practice the LEA symbols response at home.

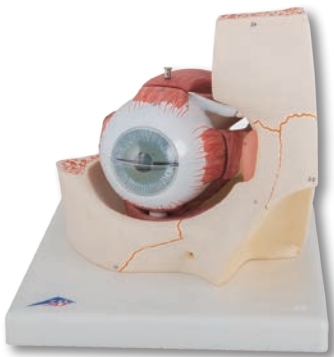
Stock code: 149



### Eye model, 6-part

Eye model standing on base, 3 times full-size. Separates into two halves with retina, iris, lens and vitreous body.

Stock code: 59968



**NEW!**

### Eye model in eye socket, 7-part

Eye model in eye socket, 3 times full-size. Presentation with optic nerve in natural position in the eye socket. Separates into two halves with cornea, muscle insertions, retina, iris, lens and vitreous body.

Stock code: 59969



The

# ORTOPAD®

TRUSETAL VERBANDSTOFFWERK GMBH



## selection

ORTOPAD®

Boxes of 50



ORTOPAD® Skin

Boxes of 50



ORTOPAD® boys  
Large scale designs, boxes of 50

ORTOPAD® girls  
Large scale designs, boxes of 50



ORTOPAD® funpack



Boxes of 50

Glow in the dark

ORTOPAD® SOFT boys



Boxes of 50

ORTOPAD® SOFT girls



Boxes of 50

ORTOPAD® BOYS



Boxes of 50

ORTOPAD® GIRLS



Boxes of 50



## Ophthalmoscopes



**HEINE BETA® 200S Ophthalmoscope** (Heine C-002.30.120)

**Stock code: 57500**



**HEINE BETA® 200S LED Ophthalmoscope** (Heine C-008.30.120)

**Stock code: 57500-L**

74 different diopter-steps, aspherical optics. 7 different filter, incl. fixation-star with polar coordinate, 3.5 V. LED Ophthalmoscope with continuous brightness control between 100 % and 3 %.



**HEINE BETA® 200 Ophthalmoscope** (Heine C-002.30.100)

**Stock code: 57501**

**HEINE BETA® 200 LED Ophthalmoscope** (Heine C-008.30.100)

**Stock code: 57501-L**

28 different diopter-steps, aspherical optics, 6 different filter, incl. fixation star with polar coordinate, 3.5 V. LED Ophthalmoscope with continuous brightness control between 100 % and 3 %.



**HEINE BETA® 200 Ophthalmoscope M2 filters**

**Stock code: 57501A**

(without image) (Heine C-002.30.102)



**HEINE K 180® Ophthalmoscope** (Heine C-002.30.206)

**Stock code: 57502**

28 different diopter-steps, spherical optics, as standard-Ophthalmoscope. 5 different filter, incl. fixation star with polar coordinate, 3.5 V



**HEINE mini 3000® LED Ophthalmoscope** (Heine D-008.71.120)

**Stock code: 57556**

Handy ophthalmoscope with LED lighting, and batteries housed in handle (standard AA size). Maintenance-free, since no lamp replacement is necessary.

**HEINE mini 3000® LED Ophthalmoscope head**

**Stock code: 57557**

Fits the mini 3000® battery handle (Heine D-008.71.105)



**HEINE® Indirect Ophthalmoscope, handheld** (Heine C-002.33.001)

**Stock code: 57541**

Monocular ophthalmoscope in pocket format for the ward round and when out and about. One-handed operation with integrated interference red-free filter and + 3 D loupe attachment. Additional binocular attachment available. Fitting 3.5 V rechargeable handles incl. Lens attachment.



**HEINE® Binocular Attachment for Indirect Ophthalmoscope**

**Stock code: 57542**

PD selection from 54 to 74 mm. Symmetrical fine-tuning of pupillary distance. Multi-coated precision optics with outstanding image quality. (Heine C-000.33.106)

For the matching handles and accessories please refer to page 83 to 85.



## Ophthalmology Sets

### Diagnostic Set HEINE BETA® 200 LED

Stock code: 57570

BETA® 200 Ophthalmoscope with LED, Retinoscope (LED), BETA 4 USB rechargeable handle and USB cord with plug-in power supply. Including hard box (Heine C-145.28.388)

### HEINE K 180® Ophthalmology set

Stock code: 57567

Ophthalmoscope with battery handle, 2.5 V  
This handle does not fit the chargers and uses standard batteries size "C". (Heine C-182.10.118)



## Retinoscopes

### HEINE BETA 200® Retinoscope

(Heine C-002.15.353)

Stock code: 57503

Streak-retinoscope with para-stop® for precise adjustment of a parallel beam course, with integrated polarisation filter. By simply replacing the lamp, change from streak to spot retinoscopy, 3.5 V. Detachable orange filter for reflex reduction is available separately (see page 85).

### HEINE BETA 200® LED Retinoscope

(Heine C-008.15.353)

Stock code: 57503-L

LED retinoscope with a brilliant streak image. Completely homogeneous and bright light for a precise, fast diagnosis.

For the matching handles and accessories please refer to page 83 to 85.

## Hand-held Slit Lamp

### HEINE HSL 150® hand-held Slit Lamp

Stock code: 57552

Monocular hand-held Slit Lamp for examination of the anterior eye segment. Slit size infinitely adjustable, 6 × magnification, blue interference filter.

With Xenon-halogen lamp. Fits all BETA® handles with 3.5 V.

The headpiece HSL 150 weighs only approx. 70 g; the lightest slit lamp of its type. (Heine C-002.14.602)



## Ophthalmoscopy Lenses

High quality aspheric ophthalmoscopy lenses with multi coating for distortion-free retinal image (material: glass).

16 D, aspheric, Ø 54 mm

(Heine C-000.17.225)

Stock code: 57559

20 D, aspheric, Ø 50 mm

(Heine C-000.17.228)

Stock code: 57560

30 D, aspheric, Ø 46 mm

(Heine C-000.17.231)

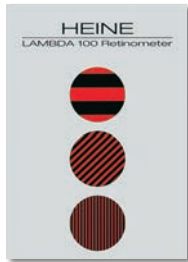
Stock code: 57561







## Hand-held Instruments



**HEINE® Lambda 100 Retinometer**

With decimal scale 3,5 V

(Heine C-002.35.010)

Stock code: 57563

With fraction scale 3,5 V

(Heine C-002.35.015)

Stock code: 57564

For determining potential visual acuity in the case of cataracts and other opacities. Can be used anywhere, even with bedridden patients. First compact instrument of this type. XHL xenon halogen technology with brightness control.

**Patient card HEINE® Lambda 100 Retinometer**

(for optimal compliance)

(Heine C-000.35.005)

Stock code: 57565



**HEINE® Ophthalmic Examination Lamp**

For examination of the anterior segment in focal light. Five different luminous-field diaphragms, suitable for detecting erosions, oedemas and foreign bodies, 3.5 V. Fits all BETA® handles.

(Heine C-002.14.400)

Stock code: 57543



**HEINE mini-c° Clip Lamp LED**

Long-life pocket diagnostic light in compact, modern design with chrome head. Bright, focused light.

(Heine D-008.73.109)

Stock code: 57539



**HEINE® Finoff Transilluminator**

For scleral transillumination, 3.5 V.

(Heine C-002.17.080)

Stock code: 57568

## Chargers



**HEINE® Charger NT 4**

Charger for BETA® 4 NT handles (not suitable for old type NT rechargeable handles and USB rechargeable handle). (Heine X-002.99.494)

Stock code: 57569



**HEINE® Charger NT 300®**

Charger incl. adapter for BETA® handles. LED rings indicate charging process.

(Heine X-002.99.495)

Stock code: 57537





## Handles

### Handles for chargers:



**NEW!**



#### HEINE® Rechargeable handle BETA® 4 NT

For NT 4 charger, including Li-Ion rechargeable battery and base unit BETA® 4 NT. (Heine X-007.99.396)

Stock code: 57573

#### HEINE® Rechargeable handle BETA® NT with NiMH battery 3.5 V

Suitable for the NT 300° charger (without image) (Heine X-002.99.411) (Heine X-002.99.411)

Stock code: 57505

#### HEINE® Rechargeable handle BETA® L with Li-Ion battery 3.5 V

Suitable for the NT 300° charger (not for NT 4) (Heine X-007.99.395)

Stock code: 57506

### Specifically suitable for portable use:

#### HEINE® Rechargeable handle BETA® 4 USB Li-Ion Set

Rechargeable handle including Li-Ion rechargeable battery, BETA® 4 USB base unit, USB cord, plug-in power supply and handle rest. Does not need a charger. (Heine X-007.99.388)

Stock code: 57571

#### HEINE® Battery handle (without batteries)

For 2 alkali-batteries, size "C", 2.5 V; not suitable for BETA® LED ophthalmoscopes (Heine X-001.99.118)

Stock code: 57531

#### HEINE® Large battery handle (without batteries)

For 2 alkali-batteries, size "D", 2.5 V; not suitable for BETA® LED ophthalmoscopes (without image) (Heine X-001.99.120)

Stock code: 57509

#### HEINE mini 3000® battery handle

Only fits with the Mini 3000® LED ophthalmoscope head. (see page 18) including 2 batteries, size AA. (Heine D-001.79.021)

Stock code: 57558

#### HEINE® Bottom insert BETA® 4 USB

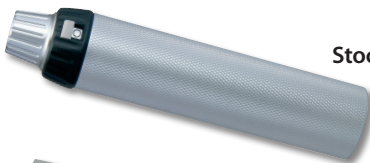
(Heine X-002.99.395)

Stock code: 57572

#### HEINE® Bottom insert BETA® 4 NT

(Heine X-002.99.394)

Stock code: 57574



Stock code:  
57531



Stock code:  
57558

Stock code:  
57572



Stock code:  
57574



## Rechargeable Batteries

#### HEINE® Li-Ion/Li-Ion L rechargeable battery

For BETA® L handles with integrated charging status display in the base unit and rechargeable handle BETA 4 NT and BETA 4 USB (not suitable for charging handles BETA® NT, BETA® R and BETA® TR) (Heine X-007.99.383)

Stock code: 57538

#### HEINE® NiMH rechargeable battery 3.5 V

For BETA® NT, BETA® R and BETA® TR handles (Heine X-002.99.382)

Stock code: 57512

For re-orders kindly specify the type of the battery (e.g.: X-02.99...).



## HEINE® Spare bulbs



For HEINE BETA 200S® Ophthalmoscope  
and HEINE BETA 200® Ophthalmoscope

2.5 V (without image)  
3.5 V

(Heine X-001.88.069)  
(Heine X-002.88.070)

Stock code: 57518  
Stock code: 57519



For HEINE K180® Ophthalmoscope

2.5 V (without image)  
3.5 V

(Heine X-001.88.084)  
(Heine X-002.88.086)

Stock code: 57520  
Stock code: 57521



For HEINE BETA 200® streak Retinoscope

2.5 V (without image)  
3.5 V

(Heine X-001.88.087)  
(Heine X-002.88.089)

Stock code: 57522  
Stock code: 57523



For HEINE BETA 200® spot Retinoscope

2.5 V (without image)  
3.5 V

(Heine X-001.88.088)  
(Heine X-002.88.090)

Stock code: 57524  
Stock code: 57525



For HEINE® Diagnostic Torch ClipLight®, 2.5 V

(Heine X-001.88.094)

Stock code: 57528



For HEINE® mini-c® Clip Lamp, Xenon Halogen bulb

(Heine X-001.88.108)

Stock code: 57540



For HEINE® Indirect Ophthalmoscope, 3.5 V

(Heine X-002.88.050)

Stock code: 57548



For HEINE® hand-held Slit Lamp HSL 150®, 3.5 V

(Heine X-002.88.099)

Stock code: 57553



For HEINE® NIKATRON Retinoscope, 3.5 V

(Heine X-002.88.048)

Stock code: 57529



Spare bulb for HEINE® Ophthalmic Examination Lamp and  
HEINE® AUTOFOC Ophthalmoscope, 3.5 V

(Heine X-002.88.047)

Stock code: 57536



Spare bulb for HEINE® Lambda Retinometer, 3.5 V  
and HEINE® Finoff Transilluminator, 3.5 V

XHL Xenon Halogen

(Heine X-002.88.078)

Stock code: 57566

For re-orders kindly specify the respective no. of the bulb as indicated on the bulb (e.g.: #089)



## HEINE® Accessories



**Loupe attachment 10 x for hand-held Slit Lamp HSL 150°**  
(Heine C-000.14.606)

**Stock code: 57555**

**Blue filter for hand-held Slit Lamp HSL 150°**  
(without image) (Heine C-000.14.605)

**Stock code: 57554**



**Fundus charts**  
Block of 50 pages (Heine C-000.33.208)

**Stock code: 57546**



**HEINE® Fixation Cards with holder**  
For dynamic retinoscopy to be fixed on the BETA® 200 retinoscope.  
(Heine C-000.15.360)

**Stock code: 57532**



**Orange filter**  
For BETA 200® retinoscope to reduce reflections  
(Heine C-000.15.359)

**Stock code: 57535**



**Patient card HEINE® Lambda 100 Retinometer**  
(for optimal compliance) (Heine C-000.35.005)

**Stock code: 57565**



**Hardbox for Ophthalmology sets**  
For ophthalmoscope, retinoscope, rechargeable handle and illuminator.  
BETA® handles and BETA® R handles fit the box (see page 79).  
(Heine C-145.00.000)

**Stock code: 57547**



**HEINE® Ophthalmoscopy trainer**  
Model eye - teaching aid for ophthalmoscopy and use of the ophthalmoscope  
Refraction scale: -10 to +10 D  
Pupillary diameter: variable between 2, 3, 4, 5, 6 and 8 mm  
Focal length: F = 18 mm (Heine C-000.33.010)

**Stock code: 57544**

**HEINE® Retinoscopy trainer**  
Ideal for practising and teaching retinoscopy.  
Refraction scale spherical from -7.00 to +6.00 D in steps of 0.5 dpt  
Scale: 0° to 180° for cylindrical lenses  
Pupillary diameter: variable between 2, 3, 4, 6 and 8 mm  
Focal length: F = 32 mm (Heine C-000.33.011)

**Stock code: 57545**

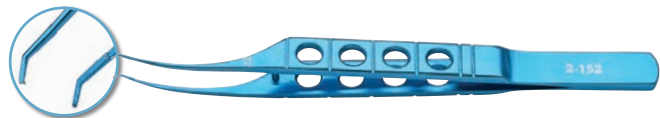
For re-orders kindly specify the respective no. of the bulb as indicated on the bulb (e.g.: #089)

## Surgical Forceps Titanium



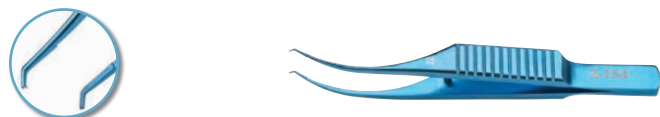
**Colibri Forceps**  
1 x 2 teeth, 0.12 mm, 5 mm tying platform  
Length: 85 mm

Stock code: CDQ 2-151



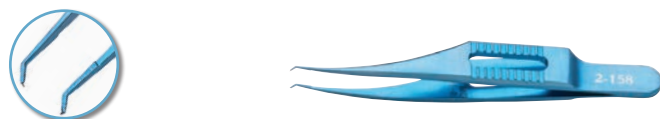
**Colibri Forceps**  
1 x 2 teeth, 0.12 mm, 5 mm tying platform  
Length: 115 mm

Stock code: CDQ 2-152



**Harms Colibri Forceps**  
1 x 2 teeth, 0.12 mm, 4.5 mm tying platform  
Length: 75 mm

Stock code: CDQ 2-154



**Harms Corneal Colibri Forceps**  
1 x 2 teeth, 0.12 mm, 5.5 mm tying platform  
Length: 75 mm

Stock code: CDQ 2-158



**Castroviejo Suture Forceps**  
1 x 2 teeth, straight, 0.12 mm  
5 mm tying platform, length: 108 mm

Stock code: CDQ 2-804



**Suture Forceps**  
1 x 2 teeth, straight, 0.12 mm  
5 mm tying platform, length: 85 mm

Stock code: CDQ 2-809



**Suture Forceps**  
1 x 2 teeth, 0.12 mm, 5 mm tying platform  
round handle, length: 105 mm

Stock code: CDQ 2-810



**Suture Forceps**  
1 x 2 teeth, straight, 0.12 mm  
5 mm tying platform, length: 108 mm

Stock code: CDQ 2-811



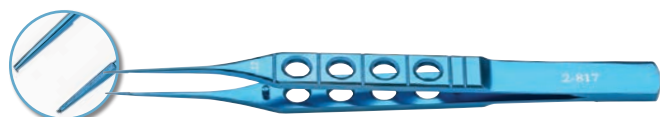
**Bishop Harmon Forceps**  
1 x 2 teeth, straight, 0.4 mm  
Length: 85 mm

Stock code: CDQ 2-813



**Suture Forceps Model Bonn**  
1 x 2 teeth, straight, 0.12 mm  
Length: 85 mm

Stock code: CDQ 2-814



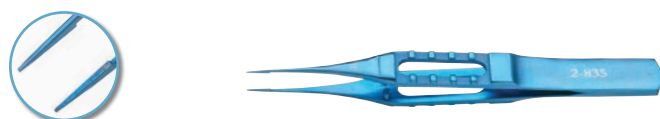
**Suture Forceps**  
1 x 2 teeth, straight, 0.12 mm  
5 mm tying platform, length: 115 mm

Stock code: CDQ 2-817



**Paufigue Forceps**  
1 x 2 teeth, straight, 5 mm tying platform  
Length: 85 mm

Stock code: CDQ 2-834



**Toothed Forceps**  
1 x 2 teeth, straight, 5 mm tying platform  
Length: 85 mm

Stock code: CDQ 2-835



**Toothed Forceps**  
1 x 2 teeth, straight, 5 mm tying platform  
Length: 115 mm

Stock code: CDQ 2-836



## Capsulorhexis Forceps Titanium



**Nevyas Capsulorhexis Forceps**  
11 mm shafts, 45 degree angled, straight  
Length: 108 mm

Stock code: CDQ 2-017



**O'Gawa-Utrata Capsulorhexis Forceps**  
12 mm shafts, 45 degree angled, straight  
guide pin, round handle  
Length: 105 mm

Stock code: CDQ 2-019



**Utrata Capsulorhexis Forceps**  
10 mm shafts, 45 degree angled  
guide pin, round handle  
Length: 105 mm

Stock code: CDQ 2-020



**Utrata Capsulorhexis Forceps**  
12 mm shafts, 45 degree angled, straight  
Length: 85 mm

Stock code: CDQ 2-022



**Corydon Capsulorhexis Forceps**  
12 mm shafts, 45 degree angled, curved  
guide pin, round handle  
Length: 105 mm

Stock code: CDQ 2-024



**Capsulorhexis Forceps**  
12 mm shafts, 45 degree angled, curved  
round handle  
Length: 105 mm

Stock code: CDQ 2-025



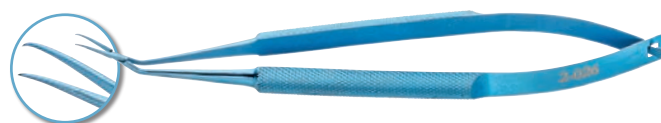
**Giannetti MICS Capsulorhexis Forceps**  
10 mm shafts, 45 degree angled, curved  
round handle  
Length: 101 mm

Stock code: CDQ 2-028



**Utrata Capsulorhexis Forceps**  
Delicate 10 mm shafts, angled, straight  
Length: 105 mm

Stock code: CDQ 2-041



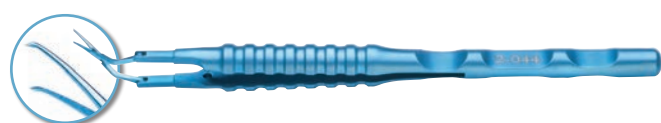
**Inamura Capsulorhexis Forceps**  
11 mm shafts, cross action, angled, curved  
Round handle  
Length: 120 mm

Stock code: CDQ 2-026



**Inamura Capsulorhexis Forceps**  
11 mm shafts, cross action, angled, curved  
Length: 100 mm

Stock code: CDQ 2-042



**Calladine-Inamura Capsulorhexis Forceps**  
10 mm shafts, cross action, angled, curved  
Length: 120 mm

Stock code: CDQ 2-044

## Tying Forceps Titanium



**Castroviejo Tying Forceps**  
5 mm shafts, 45 degree angled  
Length: 108 mm

Stock code: CDQ 2-901



**Girard Tying Forceps**  
Curved, 4.5 mm tying platform  
guide pin, round handle  
Length: 105 mm

Stock code: CDQ 2-905



**Girard Tying Forceps**  
Straight, 4.5 mm tying platform  
guide pin, round handle  
Length: 105 mm

Stock code: CDQ 2-906



**McPherson Tying Forceps**  
45 degree angled shafts, 4.5 mm tying platform  
Length: 115 mm

Stock code: CDQ 2-912



**Tying Forceps**  
Straight, 4.5 mm tying platform  
Length: 85 mm

Stock code: CDQ 2-918



**Tying Forceps**  
Straight, 4.5 mm tying platform  
Length: 115 mm

Stock code: CDQ 2-919

## Various Forceps Titanium



**Bechert Forceps**  
10 mm shafts, 45 degree angled, very delicate  
Length: 108 mm

Stock code: CDQ 2-402



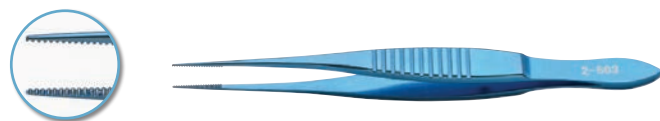
**Kelman-McPherson Forceps**  
9.5 mm shafts, 45 degree angled  
Length: 102 mm

Stock code: CDQ 2-409



**Kelman-McPherson Forceps**  
7.5 mm shafts, 45 degree angled, very delicate  
Length: 108 mm

Stock code: CDQ 2-425



**Moorfields Forceps**  
Straight, serrated  
Length: 100 mm

Stock code: CDQ 2-503



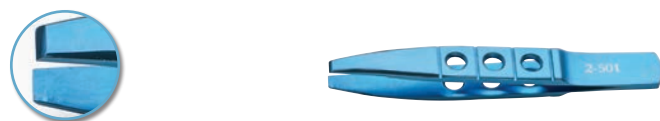
**Jeweler Forceps**  
Length: 110 mm

Stock code: CDQ 2-507



**Fechner Conjunctiva Forceps**  
Ring tips, tying platform  
Length: 112 mm

Stock code: CDQ 2-604



**Cilia Forceps**  
Length: 70 mm

Stock code: CDQ 2-501



**Barraquer Cilia Forceps**  
Curved  
Length: 102 mm

Stock code: CDQ 2-502



**Hunt Chalazion Forceps**  
Round, 15 mm  
Length: 98 mm

Stock code: CDQ 2-101



**Baird Chalazion Forceps**  
Oval, 8 x 11 mm  
Length: 98 mm

Stock code: CDQ 2-102



**Heath Chalazion Forceps**  
Oval, 12 x 14 mm  
Length: 98 mm

Stock code: CDQ 2-106

## Scissors Titanium



**McPherson-Westcott Conjunctiva Scissors**  
Curved, blunt tips, tip to pivot length 10.5 mm  
Length: 105 mm

Stock code: CDQ 9-006



**Castroviejo Corneal Scissors**  
Curved, blunt tips, tip to pivot length 16 mm  
Length: 115 mm

Stock code: CDQ 9-007



**Castroviejo Corneal Scissors**  
Curved, blunt tips, tip to pivot length 11 mm  
Length: 105 mm

Stock code: CDQ 9-010



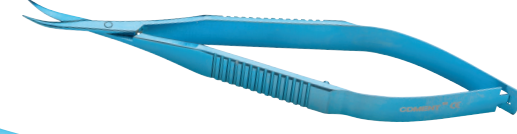
**Osher Universal Scissors**  
Curved, blunt tips, tip to pivot length 21 mm  
Length: 115 mm

Stock code: CDQ 9-013



**Westcott Stitch Scissors**  
Very sharp tips, tip to pivot length 19 mm  
Length: 105 mm

Stock code: CDQ 9-504



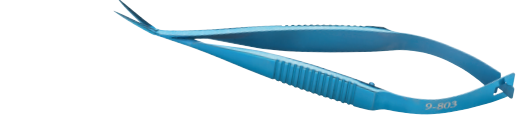
**Westcott Tenotomy Scissors**  
Curved, blunt tips, tip to pivot length 19 mm  
Length: 110 mm

Stock code: CDQ 9-605



**Westcott Tenotomy Scissors**  
Curved, sharp tips, tip to pivot length 25 mm  
Length: 130 mm

Stock code: CDQ 9-607



**Vannas Capsulotomy Scissors**  
Angled, pointed tips, tip to pivot length 12.5 mm  
Length: 95 mm

Stock code: CDQ 9-803



**Vannas Capsulotomy Scissors**  
Curved, pointed tips, tip to pivot length 10.5 mm  
Length: 95 mm

Stock code: CDQ 9-815



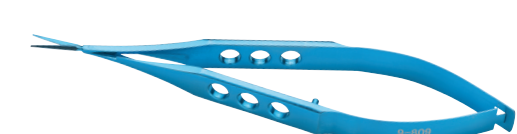
**Vannas Scissors**  
Angled, pointed tips, 7.5 mm blades  
Tip to pivot length 9 mm  
Length: 82 mm

Stock code: CDQ 9-804



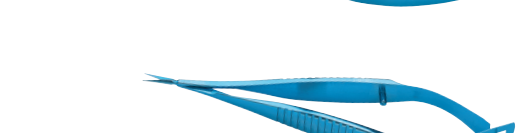
**Vannas Scissors**  
Curved, pointed tips, 7.5 mm blades  
Tip to pivot length 9.5 mm  
Length: 82 mm

Stock code: CDQ 9-807



**Vannas Scissors**  
Straight, extra thin blades, pointed tips  
Tip to pivot length 15 mm  
Length: 108 mm

Stock code: CDQ 9-809

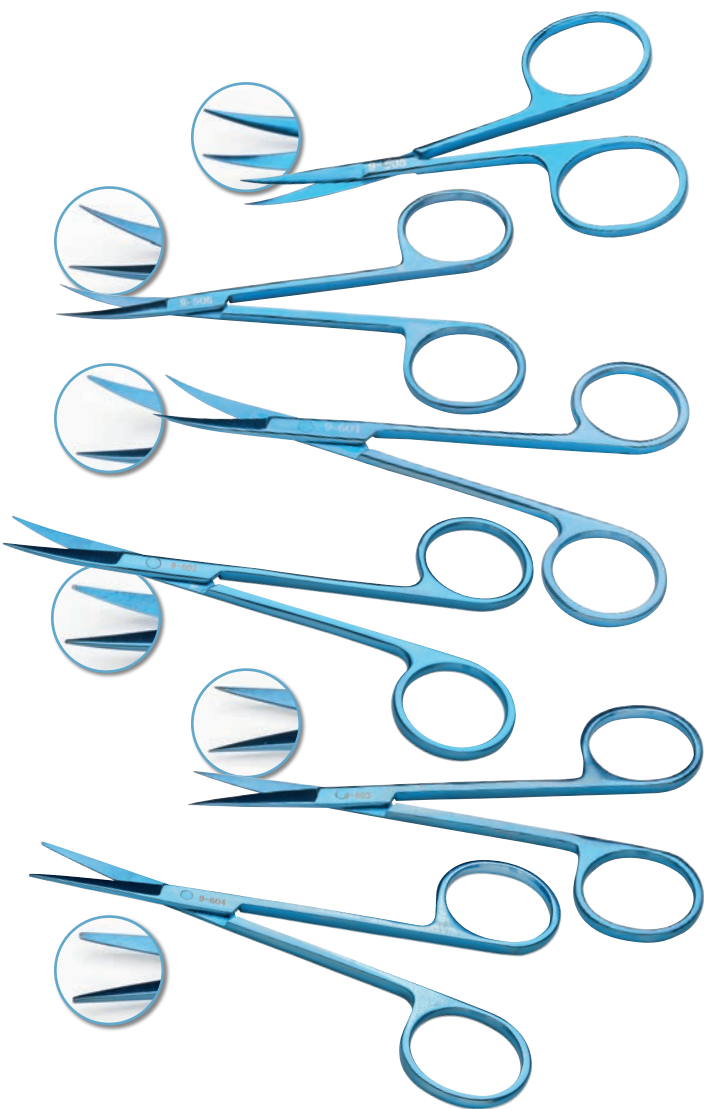


**Vannas Scissors**  
Straight, pointed tips, 7.5 mm blades  
Tip to pivot length 9.5 mm  
Length: 82 mm

Stock code: CDQ 9-813



## Eye Scissors Titanium



**Eye Scissors** **Stock code: CDQ 9-505**  
Curved, pointed tips, tip to pivot length 24 mm  
Length: 90 mm

**Eye Scissors** **Stock code: CDQ 9-506**  
Curved, pointed tips, tip to pivot length 26 mm  
Length: 95 mm

**Eye Scissors** **Stock code: CDQ 9-601**  
Curved, pointed tips, tip to pivot length 32 mm  
Length: 110 mm

**Eye Scissors** **Stock code: CDQ 9-602**  
Curved, blunt tips, tip to pivot length 32 mm  
Length: 110 mm

**Eye Scissors** **Stock code: CDQ 9-603**  
Straight, pointed tips, tip to pivot length 32 mm  
Length: 110 mm

**Eye Scissors** **Stock code: CDQ 9-604**  
Straight, blunt tips, tip to pivot length 32 mm  
Length: 110 mm

## Specula Titanium



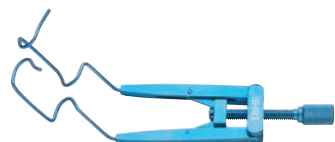
**Slade Speculum LASIK** **Stock code: CDQ 4-019**  
Adjustable, open  
Length: 65 mm



**Lieberman Speculum** **Stock code: CDQ 10-010**  
Adjustable  
V-shaped wires, open  
Length: 65 mm

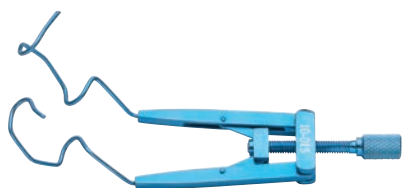


**Lieberman Speculum** **Stock code: CDQ 10-012**  
Adjustable, open, temporal  
K-shaped wires  
Length: 65 mm



**Lieberman Speculum** **Stock code: CDQ 10-013**  
Adjustable, open, nasal  
K-shaped wires  
Length: 65 mm

## Specula Titanium



**Lieberman Speculum**  
Adjustable, open, nasal  
V-shaped wires  
Length: 80 mm

Stock code: CDQ 10-015



**Shapira Speculum**  
Adjustable, open  
Length: 65 mm

Stock code: CDQ 10-016



**Speculum**  
Adjustable, open  
7 mm wires  
Length: 80 mm

Stock code: CDQ 10-030



**Lieberman Speculum**  
Adjustable  
Solid blades  
Length: 75 mm

Stock code: CDQ 10-011



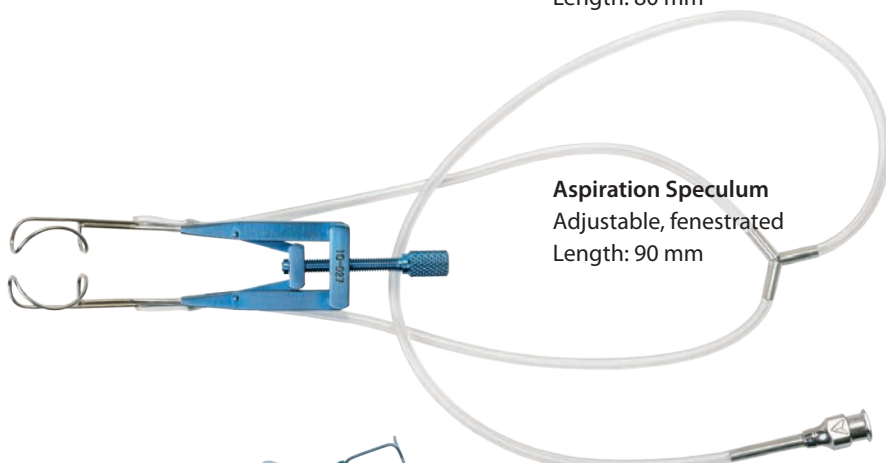
**Steinert Speculum**  
Adjustable  
Solid blades  
Length: 80 mmmm

Stock code: CDQ 10-014



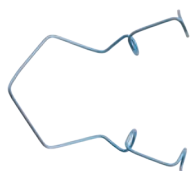
**Genisi Speculum**  
Adjustable  
Solid blades  
Length: 80 mm

Stock code: CDQ 10-031



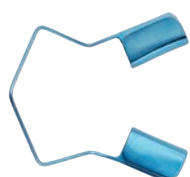
**Aspiration Speculum**  
Adjustable, fenestrated  
Length: 90 mm

Stock code: CDQ 10-027



**Wire Speculum**  
Length: 52mm

Stock code: CDQ 10-020



**Barraquer Speculum**  
Solid blades  
Length: 52 mm

Stock code: CDQ 10-001

## Needle Holders Titanium



**Barraquer Needle Holder**  
Curved jaws, sharp tips, without lock  
Length: 115 mm

Stock code: CDQ 8-004



**Barraquer Needle Holder**  
9 mm curved jaws, sharp tips, without lock  
Length: 115 mm

Stock code: CDQ 8-005



**Barraquer Needle Holder**  
9 mm curved jaws, sharp tips, with lock  
Length: 115 mm

Stock code: CDQ 8-006



**Castroviejo Needle Holder**  
11 mm curved jaws, blunt tips, with lock  
Length: 140

Stock code: CDQ 8-015



**Castroviejo Needle Holder**  
11 mm curved jaws, blunt tips, without lock  
Length: 140 mm

Stock code: CDQ 8-016



**Needle Holder**  
6 mm curved jaws, without lock  
Length: 110 mm

Stock code: CDQ 8-023



**Needle Holder**  
6 mm curved jaws, with lock  
Length: 110 mm (without image)

Stock code: CDQ 8-024



**Needle Holder**  
11 mm curved jaws, sharp tips, without lock  
Length: 115 mm

Stock code: CDQ 8-025

**Needle Holder**  
9 mm curved jaws, sharp tips, without lock  
Length: 115 mm

Stock code: CDQ 8-027

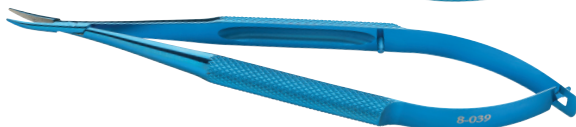


**Needle Holder**  
9 mm curved jaws, sharp tips, with lock  
Length: 115 mm (without image)

Stock code: CDQ 8-028

**Troutman Needle Holder**  
10 mm curved jaws, blunt tips, with lock  
Length: 115 mm

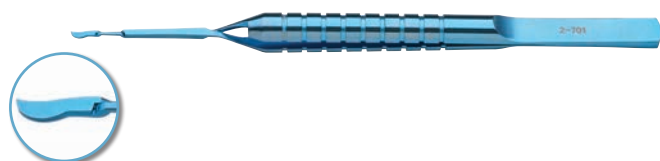
Stock code: CDQ 8-037



**Barraquer Needle Holder**  
10 mm curved jaws, without lock  
Length: 125 mm

Stock code: CDQ 8-039

# Choppers Titanium



## Akahoshi Combo Prechopper

Stock code: CDQ 2-701

Tip with sharp and blunt side  
Maximum tip opening 3 mm  
Cross-action, round handle  
Length: 120 mm



## Nichamin Phaco Chopper

Stock code: CDQ 6-515

Ambidextrous, straight  
Rounded distal tip highly polished  
Tip 1.1 mm long  
Length: 115 mm



## Drysdale Paddle Manipulator & Phaco Chopper

Stock code: CDQ 6-520

Double ended  
Paddle manipulator and 60 degree phaco chopper  
Length: 125 mm



## Lieberman Micro Finger & Phaco Chopper

Stock code: CDQ 6-521

Double ended  
Length: 125 mm



## Phaco Chopper, right

Stock code: CDQ 6-524

**Phaco Chopper, left** (without image)  
Unique elongated distal segment, left  
Special 45 degree inner blade  
Rounded distal tip highly polished  
Length: 115 mm

Stock code: CDQ 6-538



## Quick Chopper

Stock code: CDQ 6-534

Length: 115 mm



## Nagahara Phaco Chopper

Stock code: CDQ 6-535

60 degree angled blade, 1.5 mm cutting edge  
Length: 115 mm



## Rosen Phaco Chopper

Stock code: CDQ 6-536

45 degree angled wedge shaped inferior edge  
1.2 mm blunt tip  
Length: 115 mm



## Phaco Chopper

Stock code: CDQ 6-537

Side cutter chopper, right hand  
Rounded distal tip highly polished  
Tip 1.8 mm long  
Length: 115 mm



## Manipulators/Hooks Titanium



**Synechiaie Spatula**  
Tip 0.5 mm  
Length: 124 mm

Stock code: CDQ 6-028



**Drysdale Nucleus Manipulator**  
Paddle-shaped tip  
Length: 117 mm

Stock code: CDQ 6-033



**Kuglen Iris Hook & Lens Manipulator**  
Straight  
Length: 115 mm

Stock code: CDQ 6-048



**Kuglen Iris Hook & Lens Manipulator**  
Angled  
Length: 115 mm

Stock code: CDQ 6-053



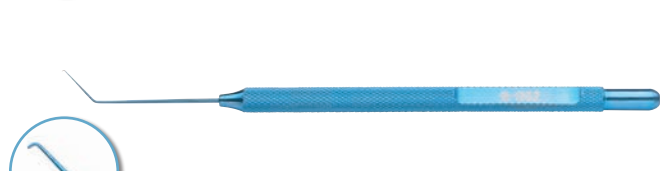
**IOL Manipulator**  
Angled, curved  
Length: 126 mm

Stock code: CDQ 6-049



**Maltzman-Frenzl Lens Manipulator**  
Angled  
V-shaped tip  
0.15 mm diameter  
Length: 120 mm

Stock code: CDQ 6-052



**Sinsky Lens Manipulating Hook**  
Angled  
Blunt tip, 0.15 mm diameter  
Length: 125 mm

Stock code: CDQ 6-062



**Jaffe-Bechert Lens Nucleus Rotator**  
Angled  
Y-shaped tip, vertical  
Length: 120 mm

Stock code: CDQ 6-065



**Mushroom Nucleus Manipulator**  
Angled  
Length: 116 mm

Stock code: CDQ 6-073



**Schocket Scleral Depressor**  
Double-ended  
Length: 138 mm

Stock code: CDQ 6-070

## Forceps Stainless steel



**O'Gawa-Utrata Capsulorhexis Forceps**  
14 mm shafts, angled, straight, round handle  
Length: 110 mm

Stock code: CDQ CS2-032



**Masket Capsulorhexis Forceps**  
11 mm shafts, angled, curved  
Length: 110 mm

Stock code: CDQ CS2-033



**Utrata MICS Capsulorhexis Forceps**  
14 mm shafts, angled, straight  
Length: 80 mm

Stock code: CDQ CS2-034



**Corneal Colibri Forceps**  
1 x 2 teeth, 0.12 mm, 6 mm tying platform  
Length: 106 mm

Stock code: CDQ CS2-156



**Harms Corneal Colibri Forceps**  
1 x 2 teeth, 0.12 mm, 5.5 mm tying platform  
Length: 75 mm

Stock code: CDQ CS2-157



**McPherson Tying Forceps**  
Straight, 5 mm tying platform  
Length: 85 mm

Stock code: CDQ CS2-923



**Tying Forceps**  
Straight, 6 mm tying platform  
Length: 108 mm

Stock code: CDQ CS2-924



**Tying Forceps**  
Angled, 7.5 mm tying platform  
Length: 108 mm

Stock code: CDQ CS2-926



**Cilia Forceps**  
Length: 76 mm

Stock code: CDQ CS2-512



**Barraquer Cilia Forceps**  
Angled  
Length: 78 mm

Stock code: CDQ CS2-513



**Barraquer Cilia Forceps**  
Angled, very delicate  
Length: 78 mm

Stock code: CDQ CS2-514

## Scissors Stainless steel



**Vannas Capsulotomy Scissors**  
Straight, tip to pivot length 6.5 mm  
Length: 90 mm

Stock code: CDQ CS9-822



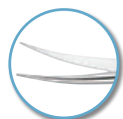
**Vannas Capsulotomy Scissors**  
Curved, tip to pivot length 6.5 mm  
Length: 90 mm

Stock code: CDQ CS9-823



**Gills-Vannas Capsulotomy Scissors**  
Straight, tip to pivot length 10 mm  
Length: 90 mm

Stock code: CDQ CS9-824



**Gills-Vannas Capsulotomy Scissors**  
Curved, tip to pivot length 10 mm  
Length: 90 mm

Stock code: CDQ CS9-825



**Gills-Vannas Capsulotomy Scissors**  
Angled, tip to pivot length 10 mm  
Length: 90 mm

Stock code: CDQ CS9-826



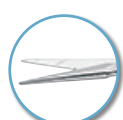
**Gills-Vannas Capsulotomy Scissors**  
Angled, curved, tip to pivot length 10 mm  
Length: 90 mm

Stock code: CDQ CS9-827



**Gills-Vannas Capsulotomy Scissors**  
Side-angled, tip to pivot length 10 mm  
Length: 90 mm

Stock code: CDQ CS9-828



**Vannas Scissors**  
Straight, tip to pivot length 9.5 mm  
Length: 85 mm

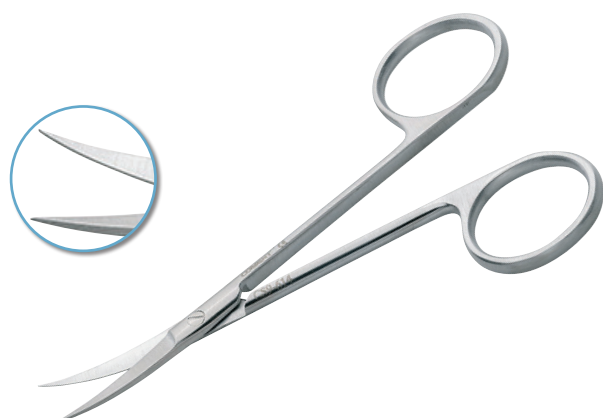
Stock code: CDQ CS9-830



**Vannas Scissors**  
Curved, tip to pivot length 9.5 mm  
Length: 85 mm

Stock code: CDQ CS9-831

## Eye Scissors Stainless steel



**Eye Scissors (without image)** Stock code: CDQ CS9-612  
Straight, pointed tips, tip to pivot length 32 mm, Length: 110 mm

**Eye Scissors (without image)** Stock code: CDQ CS9-613  
Straight, blunt tips, tip to pivot length 32 mm, Length: 110 mm

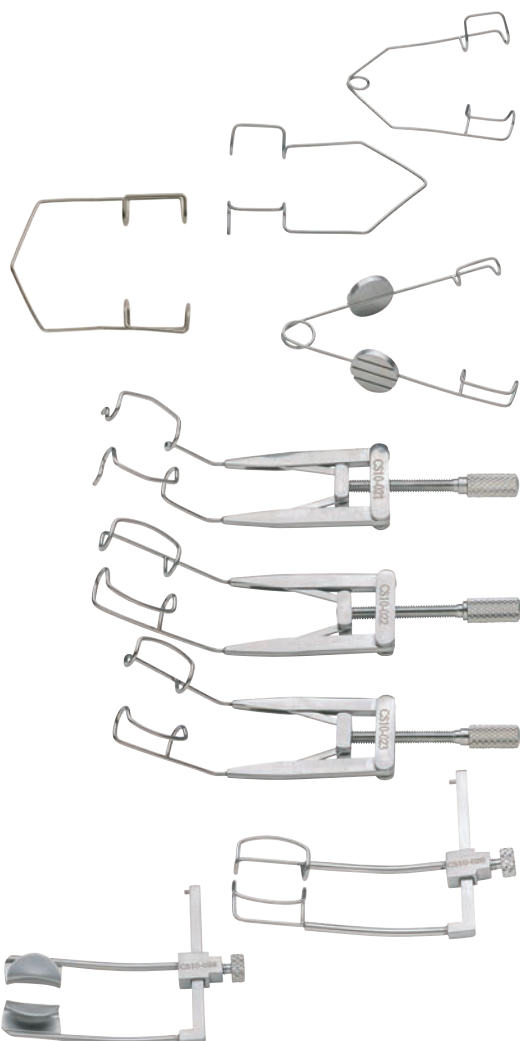
**Eye Scissors** Stock code: CDQ CS9-614  
Curved, blunt tips, Length: 105 mm

**Eye Scissors (without image)** Stock code: CDQ CS9-615  
Straight, pointed tips, Length: 105 mm

**Eye Scissors (without image)** Stock code: CDQ CS9-616  
Curved, blunt tips, Length: 105 mm

**Eye Scissors (without image)** Stock code: CDQ CS9-617  
Straight, blunt tips, Length: 105 mm

## Specula Stainless steel



**Barraquer Speculum for children** Stock code: CDQ CS10-006  
Fenestrated, wires 11 mm, Length: 35 mm

**Kratz Barraquer Speculum** Stock code: CDQ CS10-009  
Fenestrated, wires 14 mm, Length: 38 mm

**Barraquer Speculum** Stock code: CDQ CS10-002  
Fenestrated, Length: 45 mm

**Alfonso Speculum for newborns** Stock code: CDQ CS10-010  
Wires 5 mm  
Length: 45 mm

**Lieberman Speculum** Stock code: CDQ CS10-021  
Adjustable, open, V-shaped wires 15 mm  
Length: 85 mm

**Kershner Speculum** Stock code: CDQ CS10-022  
Adjustable, open, wires 15 mm  
Length: 85 mm

**Kershner Speculum for children** Stock code: CDQ CS10-023  
Adjustable, wires 11 mm, Length: 80 mm

**Murdock Speculum** Stock code: CDQ CS10-028  
Left side, fenestrated, wires 15 mm  
Length: 60 mm

**Cook Speculum** Stock code: CDQ CS10-024  
Left side, solid blades 11 mm  
Length: 60 mm



## Needle Holders Stainless steel



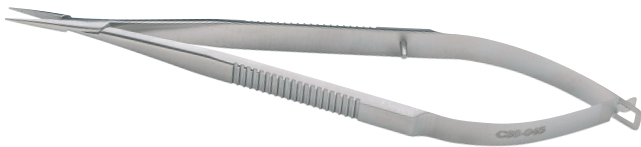
**Castroviejo Needle Holder**  
Fine 10 mm curved jaws, with lock  
Length: 140 mm

Stock code: CDQ CS8-042



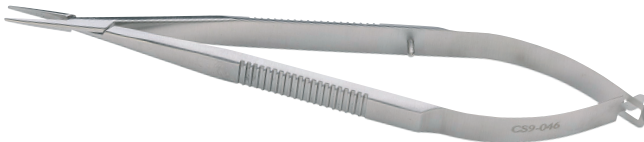
**Castroviejo Needle Holder**  
Medium 11 mm curved jaws, without lock  
Length: 140 mm

Stock code: CDQ CS8-044



**Castroviejo Needle Holder**  
Fine 10 mm straight jaws, without lock  
Length: 140 mm

Stock code: CDQ CS8-045



**Castroviejo Needle Holder**  
Medium 11 mm straight jaws, without lock  
Length: 140 mm

Stock code: CDQ CS8-046



**Castroviejo Needle Holder**  
Heavy 12 mm straight jaws, without lock  
Length: 140 mm

Stock code: CDQ CS8-048



**Barraquer Needle Holder**  
9.5 mm curved jaws, with lock  
Length: 125 mm

Stock code: CDQ CS8-049



**Barraquer Needle Holder**  
9 mm curved jaws, without lock  
Length: 100 mm

Stock code: CDQ CS8-050



**Barraquer Needle Holder**  
9.5 mm curved jaws, without lock  
Length: 120 mm

Stock code: CDQ CS8-051



**Needle Holder**  
9.5 mm curved jaws, without lock  
Length: 130 mm

Stock code: CDQ CS8-053

## Cannulas Stainless steel



**Lacrimal Cannula**  
Straight, 23G  
Tip 22 mm long  
Blunt tip

Stock code: CDQ CS1-023



**Irrigating Vectis**  
Needle 18G  
Loop 25G  
Length: 30 mm

Stock code: CDQ CS1-040



**Nichamin Hydrodissection Cannula**  
Angled  
Curved, 25G  
Length: 25 mm

Stock code: CDQ CS1-026



**Yalon Hydrodissection Cannula**  
Angled, tip 8 mm  
Straight, 25G  
Length: 39 mm

Stock code: CDQ CS1-042



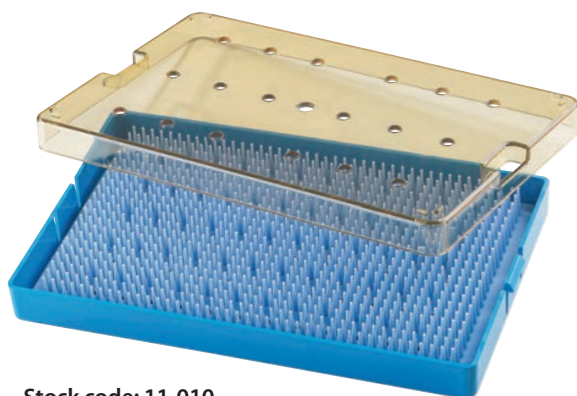
**Simcoe Double-Barreled I/A Unit Cannula**  
Curved, 23G  
Aspiration port 0.3 mm  
Length: 28 mm

Stock code: CDQ CS1-034

**Simcoe Double-Barreled I/A Unit Cannula reversed**  
23G  
Length: 28 mm

Stock code: CDQ CS1-035

## Surgical Container trays



Stock code: 11-010

**Surgical Container tray small**  
158 mm x 90 mm x 22 mm (L/W/H)

Stock code: CDQ 11-009

**Surgical Container tray medium**  
225 mm x 142 mm x 22 mm (L/W/H)

Stock code: CDQ 11-010

**Surgical Container tray large**  
265 mm x 160 mm x 22 mm (L/W/H)

Stock code: CDQ 11-001

**Surgical Container tray double layered**  
265 mm x 162 mm x 22 mm (L/W/H)

Stock code: CDQ 11-011

## Miscellaneous Titanium



**Castroviejo Lacrimal Dilatorator**  
Double-ended

Stock code: CDQ 7-024



**LASIK Flap Elevator**  
Angled, curved, flattened tip, Length: 70 mm

Stock code: CDQ 4-008

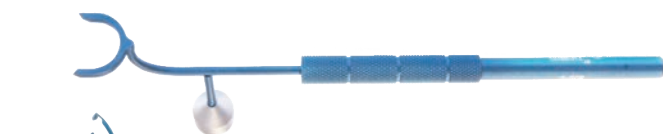


**Mendez Degree Gauge**  
Round handle, outer Ø 18 mm, inner Ø 12 mm

Stock code: CDQ 5-205

**Mendez Degree Gauge**  
Round handle, outer Ø 16 mm, inner Ø 12 mm  
(without image)

Stock code: CDQ 5-211



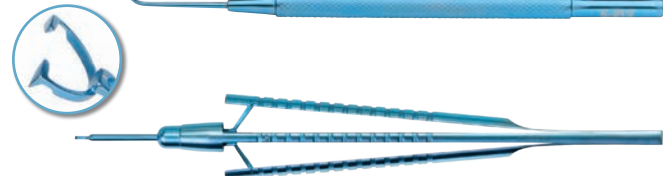
**Gravity Marker**  
For Limbal Relaxing Incisions and toric IOL  
implantaion

Stock code: CDQ 5-208



**Graether Half-Circle Axis Marker**  
Suitable for article 5-205, Mendez Degree Gauge

Stock code: CDQ 5-213



**Trabeculectomy Punch**  
0.75 mm

Stock code: CDQ 5-605



**Meyerhoefer Chalazion Curettes**

- 1 mm Length: 110 mm (without image)
- 1.5 mm Length: 110 mm (without image)
- 2 mm Length: 110 mm (without image)
- 2.5 mm Length: 110 mm
- 3 mm Length: 110 mm (without image)
- 4 mm Length: 110 mm (without image)
- 4.5 mm Length: 110 mm (without image)

- Stock code: CDQ 5-403
- Stock code: CDQ 5-406
- Stock code: CDQ 5-404
- Stock code: CDQ 5-405
- Stock code: CDQ 5-410
- Stock code: CDQ 5-411
- Stock code: CDQ 5-412



**Meyerhoefer Chalazion Curettes double ended**

- 1 mm / 2 mm
- 2 mm / 4 mm (without image)
- 3 mm / 4 mm (without image)

- Stock code: CDQ 5-402
- Stock code: CDQ 5-421
- Stock code: CDQ 5-408



**Castroviejo Calipers**  
0-20 mm, straight

Stock code: CDQ 5-053



**Braunstein Fixed Calipers**  
3.5 mm / 4 mm, Length: 70 mm

Stock code: CDQ 5-051



**Halsted Mosquito Forceps**  
Curved jaws 32 mm, Length: 125 mm

Stock code: CDQ 2-505



**Halsted Mosquito Forceps**  
Straight jaws 32 mm  
Length: 125 mm (without image)

Stock code: CDQ 2-508

**Hartmann Mosquito Forceps**  
Straight jaws 32 mm, Length: 95 mm

Stock code: CDQ 2-509

## Miscellaneous Stainless steel

	<b>Wilder Lacrimal Dilatator</b> Length: 115 mm	Stock code: CDQ CS6-104
	<b>Wilder Lacrimal Dilatator</b> Length: 93 mm	Stock code: CDQ CS6-105
	<b>Girard Synechia Spatula</b> Tip 0,5 mm Length: 115 mm	Stock code: CDQ CS6-106
	<b>Foreign Body Needle</b> Straight Length: 120 mm	Stock code: CDQ CS5-006
	<b>Foreign Body Needle</b> Curved Length: 120 mm	Stock code: CDQ CS5-007
	<b>Phaco Chopper</b> Tip 1.2 mm long Length: 115 mm	Stock code: CDQ CS6-539
	<b>Rosen Phaco Chopper</b> 60° angled wedge shaped inferior edge, blunt Length: 115 mm	Stock code: CDQ CS6-540
	<b>Phaco Chopper</b> Length: 115 mm	Stock code: CDQ CS6-074
	<b>Frenzl Lens Manipulating Hook</b> Length: 115 mm	Stock code: CDQ CS6-076
	<b>Kuglen Iris Hook &amp; Lens Manipulator</b> Length: 125 mm	Stock code: CDQ CS6-079
	<b>Desmarres Lid Retractors</b> 6 mm	Stock code: CDQ CS6-095
	8 mm (without image)	Stock code: CDQ CS6-122
	11 mm (without image)	Stock code: CDQ CS6-123
	13 mm (without image)	Stock code: CDQ CS6-124
	15 mm (without image)	Stock code: CDQ CS6-125
	17 mm (without image)	Stock code: CDQ CS6-126
	Length: 138 mm	



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# TRUSETAL VERBANDSTOFFWERK GMBH

... is one of two European partners of the Good-Lite EUROPE Cooperation.

Our brand **eyesfirst**<sup>®</sup> offers you a comprehensive range of Good-Lite and LEA<sup>™</sup> test products commonly used in Europe as well as products of other highly renowned manufacturers.

In addition to the printed catalogue, we kindly request you to visit our online-shop [www.eyesfirst.eu](http://www.eyesfirst.eu), which will be continuously updated during the course of the year.



Rita Brueggemann



Jessie Ilsen



Hartmut Otto



Christiane Paschke



Ute Rau



The company office of **TRUSETAL** VERBANDSTOFFWERK GMBH in Schloss Holte-Stukenbrock (Germany). Your expert partner for all your Ophthalmic & Orthoptic products including surgical instruments, dressing materials and wound care needs.

We look forward to being of service to you! Should you have any questions, suggestions or comments please contact us by phone, fax or email.

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