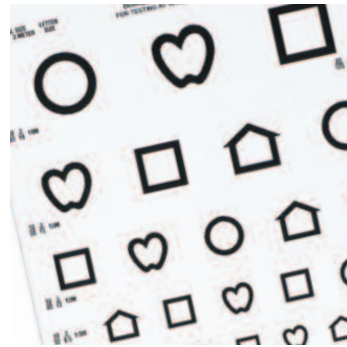
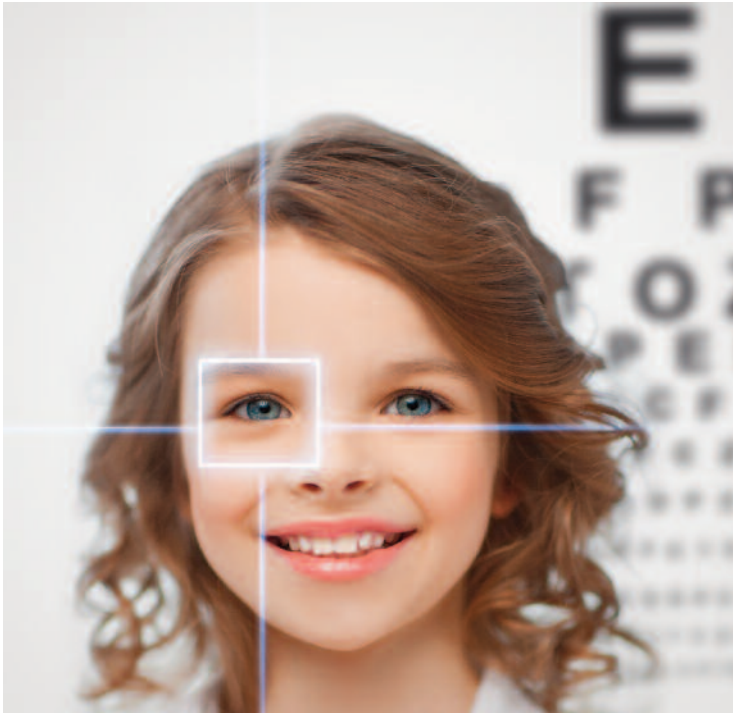


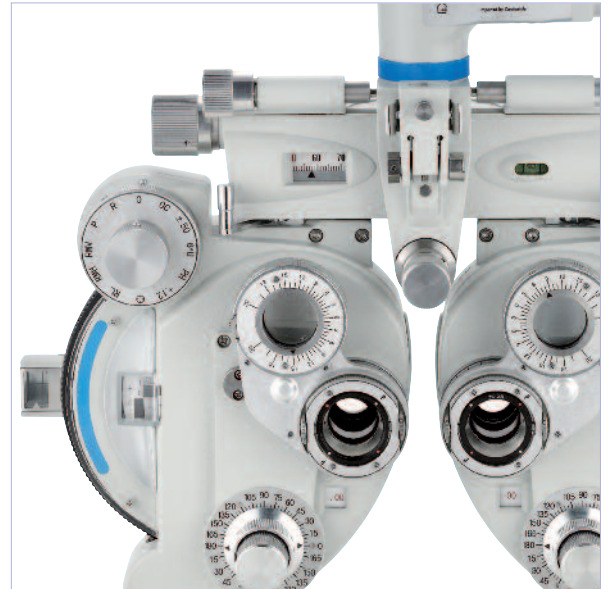
TestRoom

PROFESSIONAL ARTICLES
FOR EYESIGHT TESTING



centrostyle®
around people

6.0 TEST ROOM



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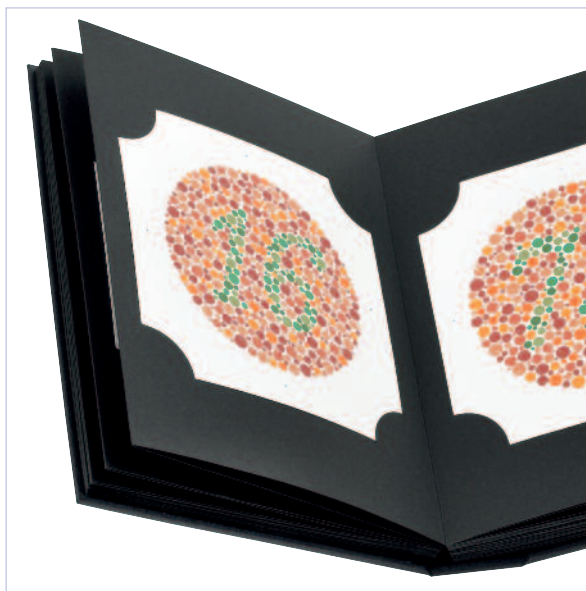
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6.1 PRESS-ON

Prism



Prism 1^Δ



Prism 10^Δ



Prism 40^Δ

CE EEC dir.93/42

PRESS-ON™ PRISM: Used to treat several ocular motility disorders including strabismus.

Advantage of Press-On: practical, lightweight, wide power range. Thin and flexible and easy to fix to existing lenses - held by static adhesion, easily removed. Low cost and low risk treatment during power changes and vision therapy.

PRISM POWERS IN DIOPTRES - Prism Ø 67 mm - 1 pc.

Ref.	Power	Ref.	Power	Ref.	Power
08101	1^Δ	08107	7^Δ	08116	20^Δ
08102	2^Δ	08108	8^Δ	08117	25^Δ
08103	3^Δ	08109	9^Δ	08118	30^Δ
08104	4^Δ	08110	10^Δ	08119	35^Δ
08105	5^Δ	08112	12^Δ	08120	40^Δ
08106	6^Δ	08115	15^Δ		

The pictures show how the image is moved by the prism to accommodate the different direction of the patient's line of sight. The image is moved in the opposite direction to the base.

HOW TO APPLY PRESS-ON PRISMS

- There is no need to determine the optical centre of the lens.
- The glossy side of the Press-On is applied to the inside of the lens.

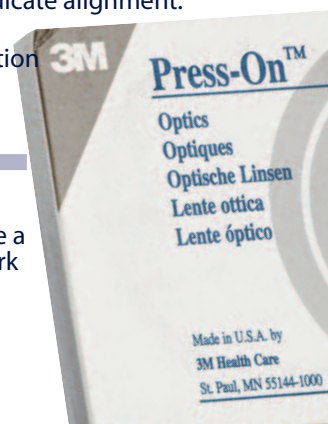


1. Place the lens onto the Press-On with the inner side of the lens facing the smooth surface of the prism, according to the prescription.
2. Trace the shape of the lens onto the Press-On.
3. Cut the Press-On (1 mm less than the traced shape).
4. Moisten the inside of the lens and apply the Press-On prism with the glossy side facing the inside surface of the lens. Do not use any adhesives.



CORRECT POSITIONING OF PRESS-ON PRISM ON LENS

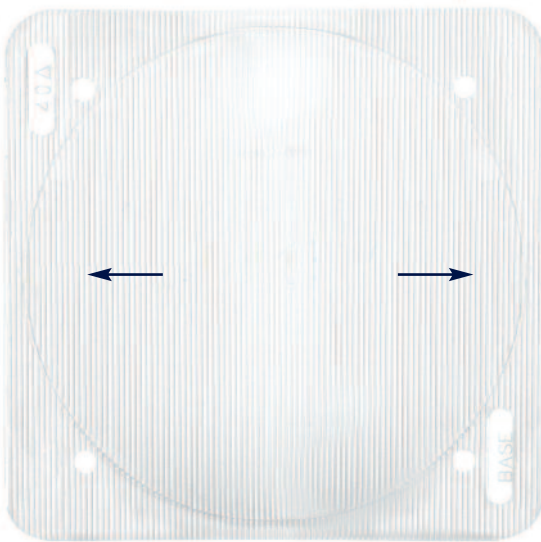
The base orientation of the prism is indicated with the word "base" on the prism edge. Mark lens and prism at the same position on their edges to indicate alignment. The Press-On must be positioned onto the lens according to the BASE description indicated in the prescription: NASAL, TEMPORAL, TOP, BOTTOM, DIAGONAL.



Press-On and 3M are a registered trade mark of 3M

Prism

Horizontal Correction



NASAL BASE

The prism's lines are vertical.

Real position of the word 'BASE' on the Press-On:

Right eye: nasal, at the bottom, text vertical.

Left eye: nasal, at the top, text vertical.

TEMPORAL BASE

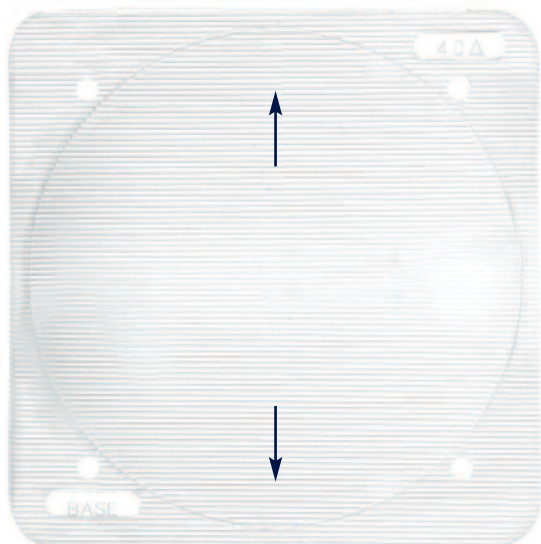
The prism's lines are vertical.

Real position of the word 'BASE' on the Press-On:

Right eye: temporal, at the top, text vertical.

Left eye: temporal, at the bottom, text vertical.

Vertical Correction



TOP BASE

The prism's lines are horizontal.

Real position of the word 'BASE' on the Press-On:

Right eye: nasal, at the top, text horizontal.

Left eye: temporal, at the top, text horizontal.

BOTTOM BASE

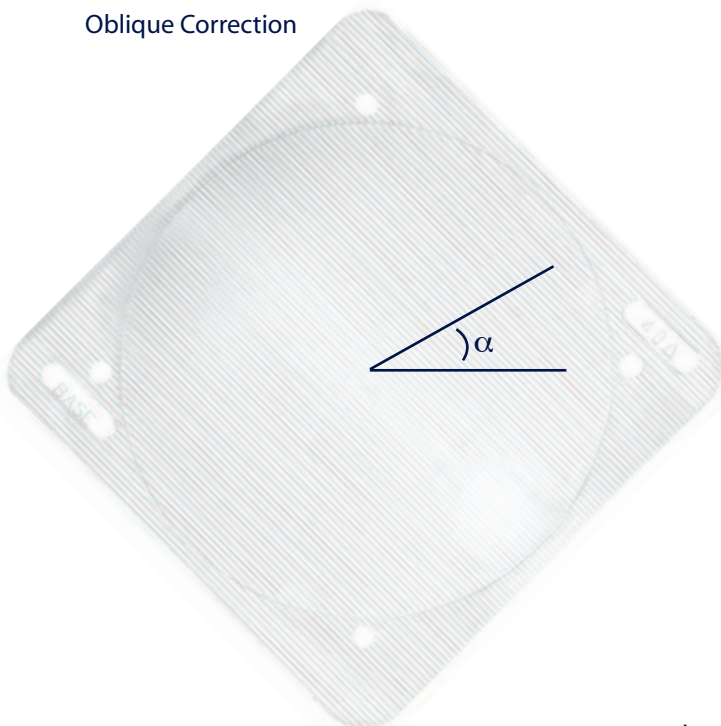
The prism's lines are horizontal.

Real position of the word 'BASE' on the Press-On:

Right eye: temporal, at the bottom, text horizontal.

Left eye: nasal, at the bottom, text horizontal.

Oblique Correction



DIAGONAL BASE

The prism's lines are diagonal.

Such a prescription is achieved by locating the axis of the prism diagonally determining the angle with a Rotation Nomograph.

NON-PERMANENT WATER SOLUBLE MARKER PEN

Ref. 06970

Ideal for marking press-on.

Extra-fine black 0.4 mm.

5 pcs.



6.1 PRESS-ON

Lenses



Press-On and 3M are a registered trade mark of 3M

PRESS-ON™ LENS :

Advantage of Press-On: practical, lightweight, wide range of powers. Thin and flexible and easy to fix to existing lenses - held by static adhesion, easily removed. Low cost and low risk treatment during power changes and vision therapy.

POSITIVE LENSES - Lens Ø 67 mm - 1 pc.

Ref.	Power	Ref.	Power	Ref.	Power
08121	+1	08124	+3	08127	+5
08122	+2	08125	+3,5		
08123	+2,5	08126	+4		

NEGATIVE LENSES - Lens Ø 67 mm - 1 pc.

Ref.	Power
08141	-1
08142	-2



CE EEC dir.93/42

HOW TO APPLY PRESS-ON LENSES

1. Determine the optical centre of the lens and "dot" it on the front surface.
2. Place the lens onto the Press-On with the inner side of the lens facing the smooth surface of the Press-On.
3. Make sure that the optical centre of the lens coincides with the optical centre of the Press-On, which is the smallest concentric ring.
4. Trace the shape of the lens onto the Press-On.
5. Cut the Press-On, but slightly smaller than the lens.
6. Moisten the inside of the lens and apply the Press-On with the glossy side facing the inside surface of the lens.



Bifocal Segments



Ref.	Power	Ref.	Power	Ref.	Power
08163	+2	08164	+2,5	08165	+3

2 pcs. - Dimensions 25x16 mm

Suction cup occluders - To be applied to the lens - **Phthalate free**

Ideal for all orthoptic and ophthalmic therapies.
Suitable in case of intolerance to adhesive occluders.

MEDIUM OCCLUDER
 55x47 mm
Ref. 08030 - Pack of 12 pcs.
Ref. 08031 - Pack of 4 pcs.

OCCLUDERS WITH TWO
 VENTILATION HOLES
 Side occlusion: 24 mm
 Ø 34 mm
Ref. 08032 - Pack of 12 pcs.
Ref. 08033 - Pack of 4 pcs.

OCCLUDERS WITH THREE
 VENTILATION HOLES
 Side occlusion: 30 mm
 Ø 34 mm
Ref. 08034 - Pack of 12 pcs.
Ref. 08035 - Pack of 4 pcs.



ASSORTED OCCLUDERS
Ref. 08036
 In soft, non-toxic material.
 12 assorted occluders:
 08030 - 08032 - 08034
 (4 pcs. / Ref.)



Vinyl Eye Patch with elastic cord



Ref. 08315

- Permits eyelid movement
- Can be sanitized with alcohol swab
- Adjustable elastic cord
- Medium size (76,5x52,5 mm)

Pack 3 pcs.

CE EEC dir.93/42

6.1 ADHESIVE EYE PATCHES

Hypo-allergenic fun patches for children's vision problems - **Latex Free**



Reserved for the Italian Market

JUNIOR WHITE
67x50 mm

Ref. 08076
6 Packs
(each pack 20 pcs.)

Ref. 08074
12 Packs
(each pack 20 pcs.)

Each pack contains fun patch stickers



Reserved for the Italian Market

NEW
MEDIUM WHITE
76x54 mm

Ref. 08079
6 Packs
(each pack 20 pcs.)

Ref. 08078
12 Packs
(each pack 20 pcs.)



Reserved for the Italian Market

REGULAR WHITE
85x59 mm

Ref. 08077
6 Packs
(each pack 20 pcs.)

Ref. 08075
12 Packs
(each pack 20 pcs.)

- Made of a perforated monostretch non-woven material for extreme comfort.
- A special black screen in the central pad prevents the passage of light.
For this reason, they are suitable to treat strabismus and amblyopia.
- Totally hypo-allergenic, latex free, for sensitive skin around the eye.
Well ventilated to avoid sweating.
- Can be used for prolonged treatment.
- Close eye when applying.

CE EEC dir.93/42



Hypo-allergenic fun patches for children's vision problems - **Latex Free**



Reserved for the Italian Market

NEW

JUNIOR SYMPATHY

67x50 mm

Ref. 08071

1 Pack - 20 pcs. assorted models



Reserved for the Italian Market

NEW

MEDIUM SYMPATHY

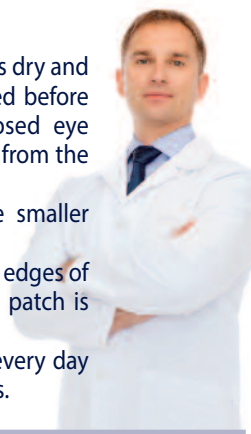
76x54 mm

Ref. 08072

1 Pack - 20 pcs. assorted models



- Make sure that the skin around the eye is dry and clean and that the child's face is relaxed before applying the eye patch over the closed eye
- Open the wrapper and peel off the film from the adhesive side of the patch
- Apply the patch to the skin with the smaller corner nearest the nose
- Use fingers to apply pressure to all outer edges of the eye patch to ensure that all of the patch is sticking to the skin
- We recommend to replace ORTOPAD® every day or according to the doctor's instructions.



6.1 BANGERTER - OCCLUSION FOILS

Graded foils - Occlusion foils

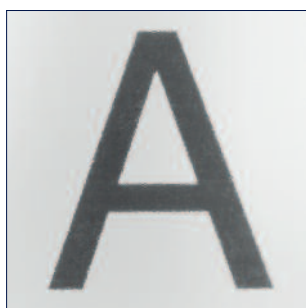
BANGERTER OCCLUSION FOILS

Are a system of graded thin flexible foils of varying degrees of transparency that equalize the spatial contrast of the dominant eye to that of the amplyopic eye. They cling to the spectacle lens of the healthy eye to improve the function of the weaker eye. There are 10 levels of occlusion - see table below. These are used to treat amblyopia, exclusion and the anomalous retinal correspondence found in amblyopia; problems relating to correlation, monolateral aphakia and temporary diplopia.

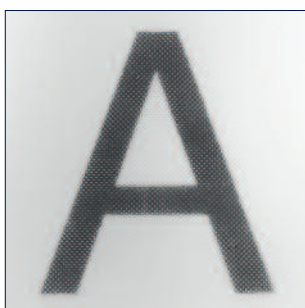


Examples of vision with different occlusion levels

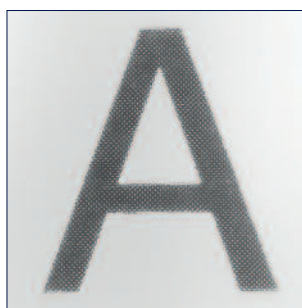
Dimensions: 65x65 mm. - 1 pc. / Ref.



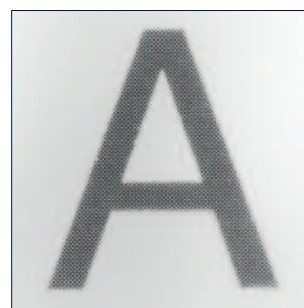
Ref. 08001 Visus ~1.0 - N 1
Visual Acuity ~20/20



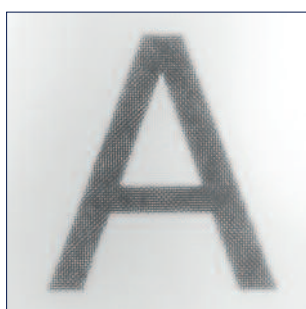
Ref. 08002 Visus ~0.8 - N 2
Visual Acuity ~20/265



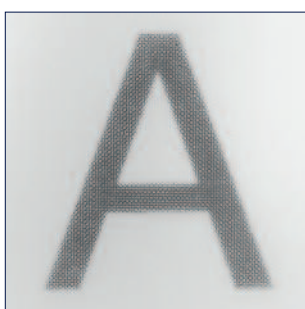
Ref. 08003 Visus ~0.6 - N 3
Visual Acuity ~20/30



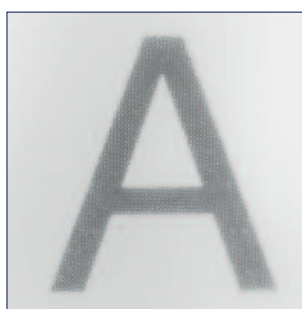
Ref. 08004 Visus ~0.4- N 4
Visual Acuity ~20/50



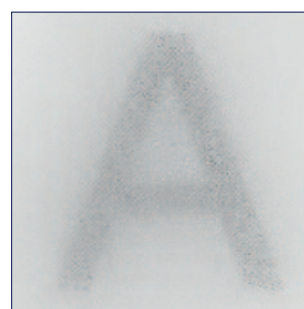
Ref. 08005 Visus ~0.3 - N 5
Visual Acuity ~20/70



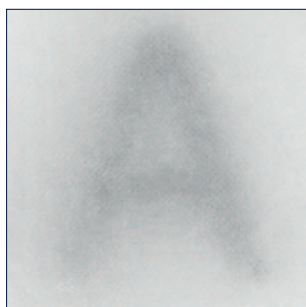
Ref. 08009 Visus ~0.2 - N -
Visual Acuity ~20/100



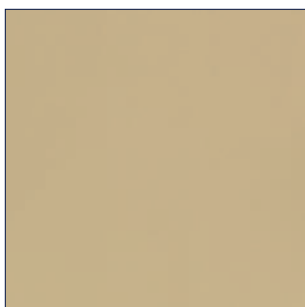
Ref. 08006 Visus ~0.1 - N 6
Visual Acuity ~20/200



Ref. 08007 Visus <0.1 - N 7
Visual Acuity ~20/300



Ref. 08000 Visus LP - N 0
Visual Acuity none



Ref. 08008 Visus 0.0
Visual Acuity none

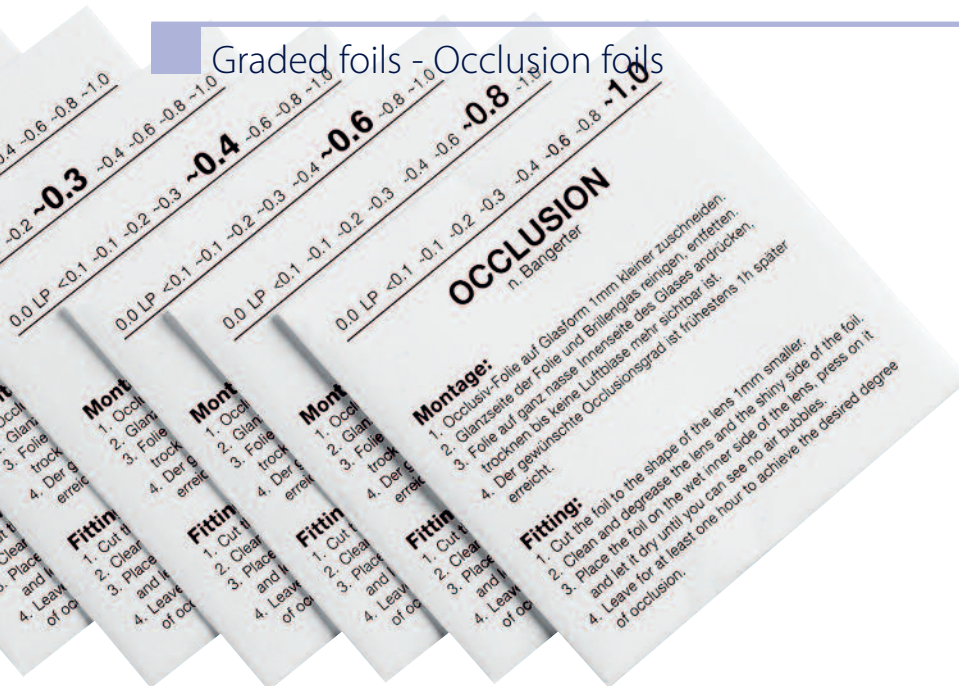


Ref. 08011 Visus 0.0
Visual Acuity none



Ref. 08012 Visus 0.0
Visual Acuity none

Graded foils - Occlusion foils



Ref.	08008	08000	08007	08006	08009	08005	08004	08003	08002	08001
Vision	0.0	Light perception	<0.1	0.1	0.2	0.3	0.4	0.6	0.8	1.0
Corr. No.	8	0	7	6	-	3	4	5	2	1
Approx Visual Acuity	none	none	~20/300	~20/200	~20/100	~20/70	~20/50	~20/30	~20/25	~20/20

Ref.	08011	08012
Vision	0.0	0.0
Corr. No.	8	8
Approx Visual Acuity	none	none

HOW TO APPLY BANGERTER OCCLUSION FOILS

The shiny side of the foil is applied to the inside of the lens.

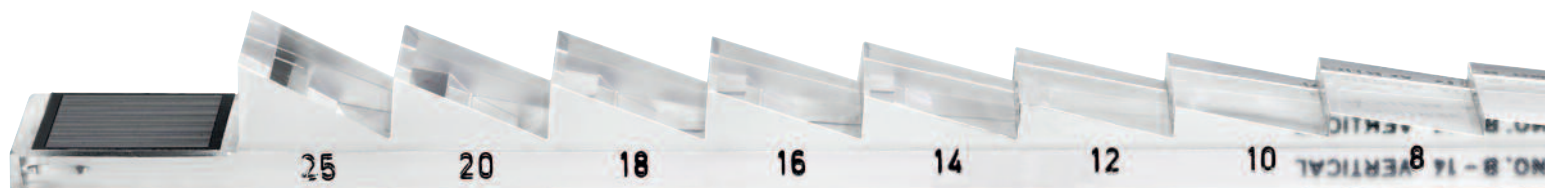
- Cut the foil to a shape slightly smaller than that of the lens
- Clean the lens thoroughly
- Damp the shiny side of the foil with warm water and apply to the inner side of the lens.
- Press with a dry cloth to remove any air bubbles and traces of damp.
- Allow to dry for 1 hour.



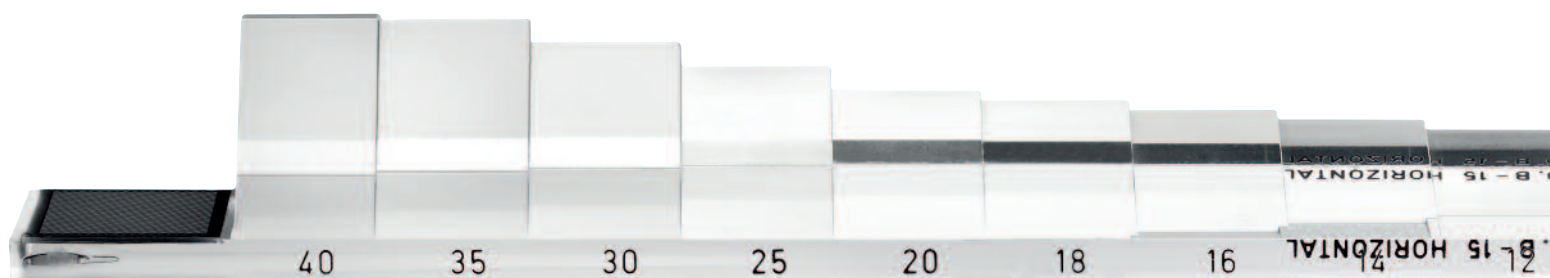
6.2 BERENS PRISM BAR

Vertical and horizontal bar

VERTICAL BAR



HORIZONTAL BAR



BERENS PRISMS BARS

Ref. 08300

In a rigid protective case, complete with:

- 1 vertical bar with the following prism diopters:
1 Δ , 2 Δ , 3 Δ , 4 Δ , 5 Δ , 6 Δ , 8 Δ , 10 Δ , 12 Δ , 14 Δ , 16 Δ , 18 Δ , 20 Δ , 25 Δ .
- 1 horizontal bar with the following prism diopters:
1 Δ , 2 Δ , 4 Δ , 6 Δ , 8 Δ , 10 Δ , 12 Δ , 14 Δ , 16 Δ , 18 Δ , 20 Δ , 25 Δ , 30 Δ , 35 Δ , 40 Δ .



16 prisms with handle and 1 red filter in a carrying protective case



Ref. 08303

16 prisms with handle and 1 red filter in a carrying protective case.

Prismatic diopters included:

0.50^Δ- 1.00^Δ- 2.00^Δ- 4.00^Δ- 6.00^Δ- 8.00^Δ-

10.00^Δ- 12.00^Δ- 15.00^Δ- 20.00^Δ- 25.00^Δ-

30.00^Δ- 35.00^Δ- 40.00^Δ- 45.00^Δ- 50.00^Δ.

Dimensions case: 300 x 230 x 75 mm

Weight: 1.5 kg

Prism 6^Δ - 15^Δ

Ref. 08301

Single prism with handle 6^Δ.

Ref. 08302

Single prism with handle 15^Δ.

NEW



6.2 DOUBLE SPHERE TARGET - RETINOSCOPY

For orthoptic examinations



DOUBLE SPHERE TARGET (Wolff method)

Ref. 08350

For a quick evaluation of pursuits and saccades, cover test and dynamic retinoscopy.

Sphere: Ø 6 & 13 mm - stick: 36 cm - 2 pcs.



RETINOSCOPY RACKS

Ref. 08304

In a rigid protective case, complete with:

- 1 red rack from -1.0D to -10.0D with additional sliding lens -0.5D and -10.0D
- 1 green rack from +1.0D to +10.0D with additional sliding lens +0.5D and +10.0D



Red Maddox Rod



NEW

Ref. 08316

Red Maddox Rod with grooves at 45° from the centre of the lens.
Used in combination with prisms to measure horizontal and vertical phorias from near and from far.

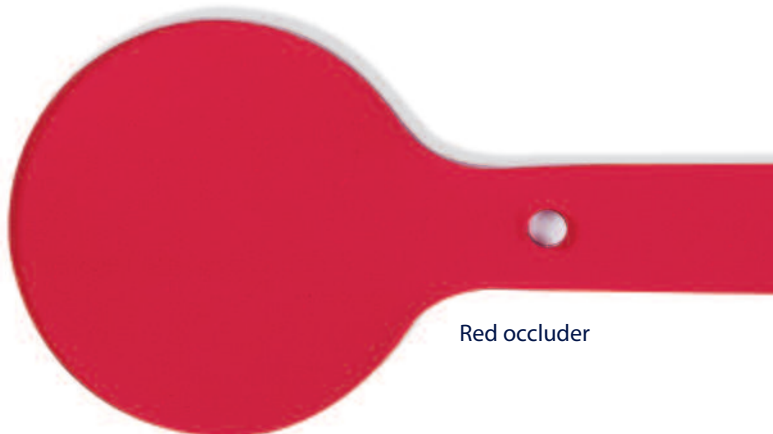
Length: 22 cm

Lens diameter: 5 cm

Hand held occluders



Frosted occluder



Red occluder



Multi pinhole occluder



Black occluder

Ref. 08310

Set of 4 occluders in a protective case.

- 1 red occluder
- 1 frosted occluder
- 1 black paddle occluder
- 1 multi pinhole occluder (holes Ø 1.4 mm).

Dimensions: Ø 60 x 240 mm



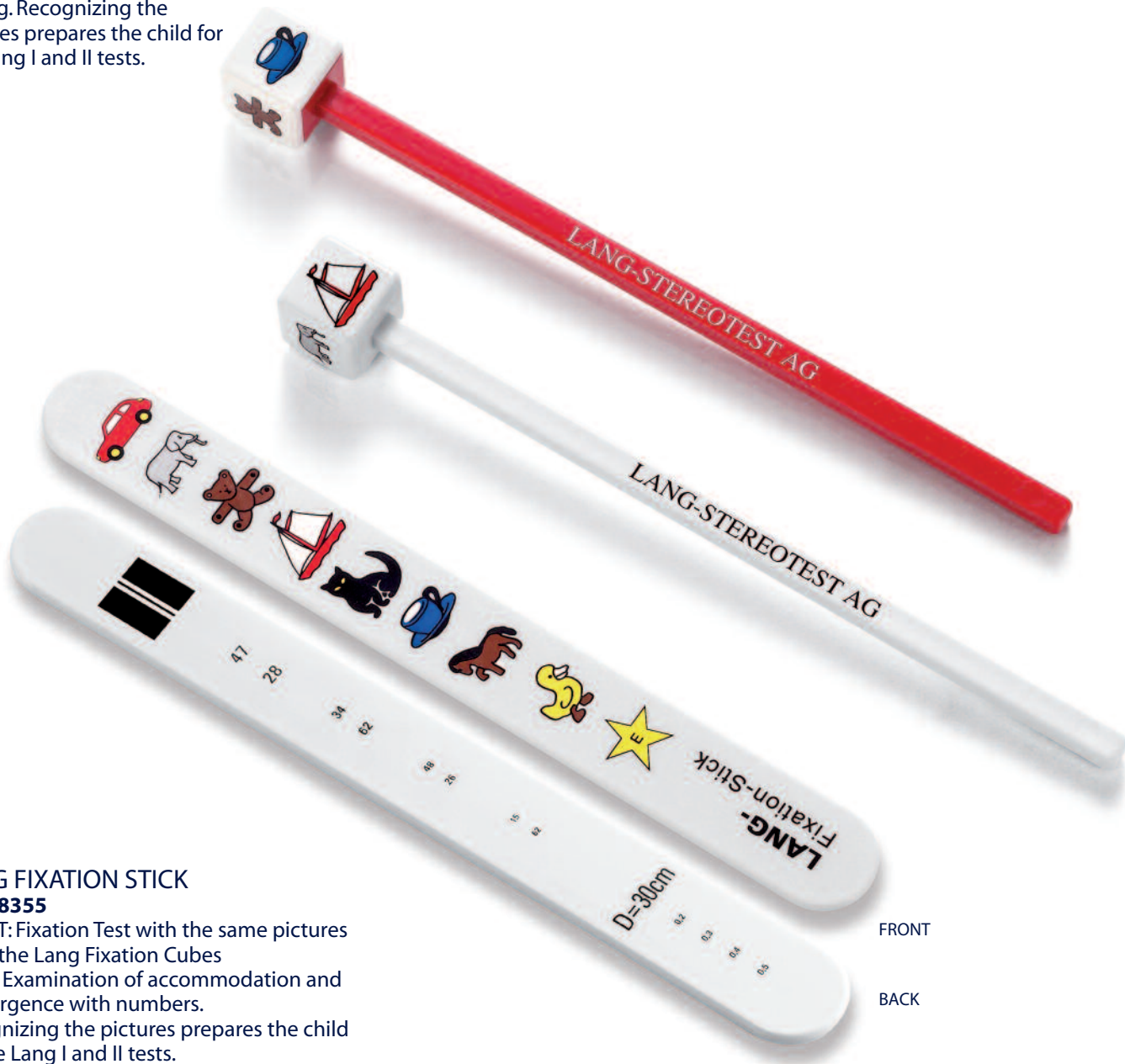
6.2 TEST ROOM ACCESSORIES

Lang Fixation Cubes – Lang Fixation Stick

LANG FIXATION CUBES

Ref. 08352

2 cubes, one red and one white, with pictures that attract and hold children's attention during testing. Recognizing the pictures prepares the child for the Lang I and II tests.



LANG FIXATION STICK

Ref. 08355

FRONT: Fixation Test with the same pictures as on the Lang Fixation Cubes

BACK: Examination of accommodation and convergence with numbers.

Recognizing the pictures prepares the child for the Lang I and II tests.

Visus: Distance of 30 cm 0.2-0.5.

FRONT

BACK

For children - No polarizing glasses necessary

The Lang Stereotest is an easy-to-use screening-test designed for early detection of problems with stereoscopic vision in children. The 3D test objects appear each on a different level.

Seen with only one eye (monocular vision), these stereograms do not show any shapes, while, upon binocular inspection, the figures, typically in different depths, can be seen.

Using distance: 30-40 cm



LANG STEREOTEST I

Ref. 08395

The Lang Stereotest I shows a car (550"), a star (600") and a cat (1200").



LANG STEREOTEST II

Ref. 08396

The Lang Stereotest II shows a moon (200"), a truck (400") and an elephant (600").

In addition, the Lang Stereotest II contains a star that can also be seen with one eye only (monocular vision).

6.2 TEST ROOM

Marsden Training Ball



Ref.08415

Ball with random letters and numbers, ideal for vision training, used to improve visual perception and ocular motor skills. With string to hang the ball from the ceiling.

Dimensions:

Ball Ø 76 mm

String 3 m

1 pc.

Brock String



Ref.08416

String with 5 coloured beads and handle, ideal for vision training exercises, used for the treatment of convergence insufficiency and other anomalies of binocular vision.

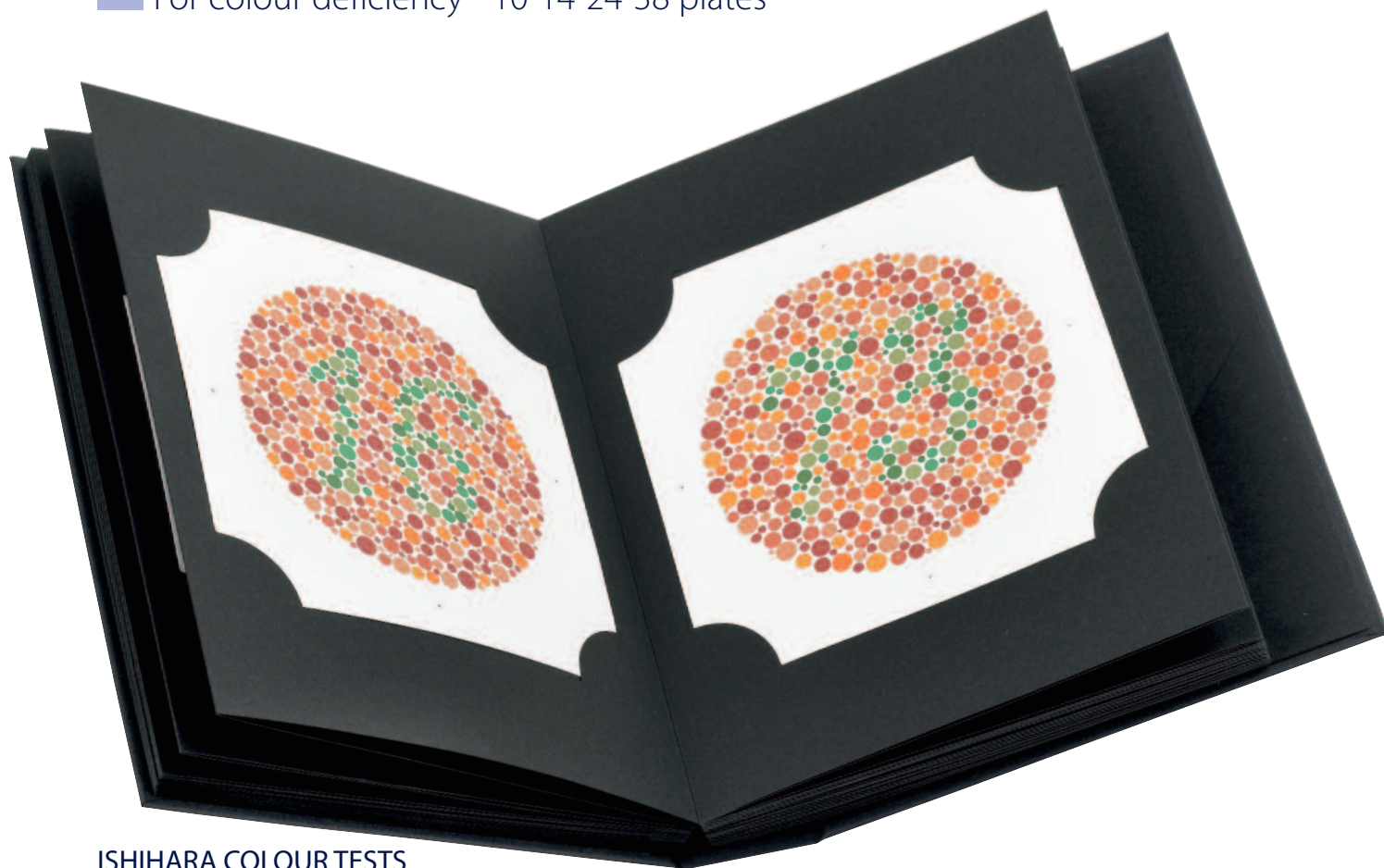
Dimensions:

Beads Ø 13 mm

String 1,60 m

6 pcs.

For colour deficiency - 10-14-24-38 plates



ISHIHARA COLOUR TESTS

38 PLATES

Ref. 08400

Used principally by ophthalmologist.

24 PLATES

Ref. 08401

Used principally for occupational screening.

14 PLATES

Ref. 08399

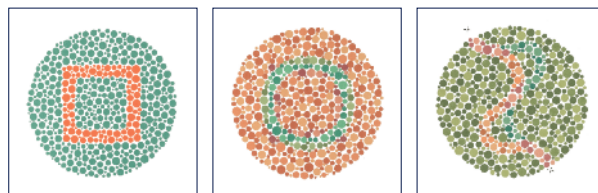
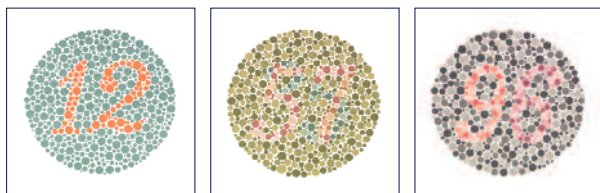
Used mainly for driving licence renewals.

10 PLATES

Ref. 08402

Used principally for children and illiterates.

NEW



The Ishihara colour tests are:

- Internationally recognised
- Pseudoisochromatic plates
- Simple to use
- Speedy to use
- Efficient in detecting red/green colour vision deficiency
- Includes instruction booklet

To prevent colour fading and to keep hues sharp never expose plates to bright sunlight or leave pages open for any length of time. Test should be conducted with light levels at 500-600 lux.



6.3 FLY STEREOPSIS TEST - BUTTERFLY STEREOPSIS TEST

With LEA Symbols®

FLY STEREOPSIS TEST

Ref. 08403

- Rapid test for amblyopia and strabismus
- Traditional Fly picture testing Gross Stereopsis
- 10 levels of 4 circle disparity for critical testing
- Graded circle test from 400 seconds down to 20 seconds (with no monocular clues)
- Fine stereopsis (4800 to 20 seconds of arc) measuring 3 Gross levels of disparity using the internationally recognised LEA Symbols - House, Square, Circle and Apple
- Ideal for both children and adults including non-reading and non-verbal
- New easy-to-hold booklet
- Answer key on back cover
- Instructions included.

BUTTERFLY STEREOPSIS TEST

Ref. 08404

- Rapid test for amblyopia and strabismus
- Traditional Butterfly picture testing Gross Stereopsis
- 10 levels of 4 circle disparity for critical testing
- Graded circle test from 400 seconds down to 20 seconds (with no monocular clues)
- Fine stereopsis (2500 to 20 seconds of arc) measuring 3 Gross levels of disparity using the internationally recognised LEA Symbols - House, Square, Circle and Apple
- Ideal for both children and adults including non-reading and non-verbal
- New easy-to-hold booklet
- Answer key on back cover
- Instructions included.



Includes 1 adult and 1 child's polarized goggles



Random Dot with LEA Symbols® - Vortex Polarized Variable Vectograph

RANDOM DOT STEREOPSIS TEST

Ref. 08405

- Rapid test for amblyopia and strabismus
- Ideal for children and adults who are non-readers and non-verbal
- Expanded Random Dot LEA Symbols Test (500, 250, 125, 63 seconds of arc).
- Graded circle test to 12.5 seconds of arc with no monocular clues
- New improved booklet
- Answer key on back cover
- Instructions included.



Includes 1 adult and 1 child's polarized goggles



VORTEX POLARIZED VARIABLE VECTOGRAPH

Ref. 08407

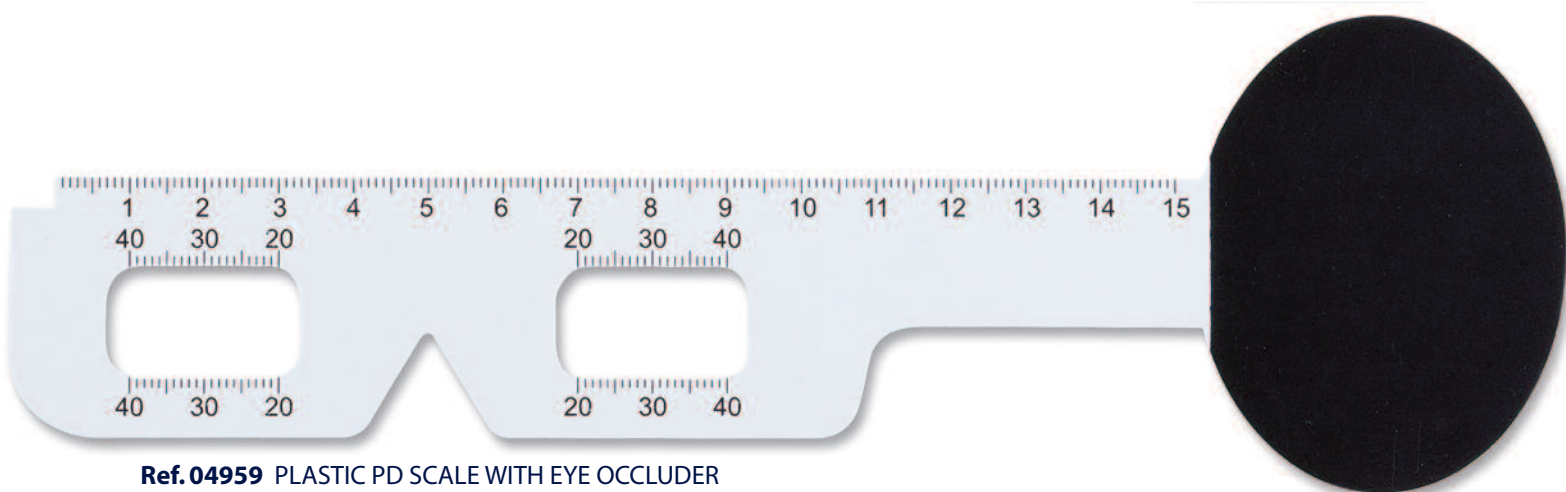
- A three dimensional vortex image used to strengthen the binocularity system and to provide base-in and /or base-out training
- Stereopsis depth on Vortex image from 6, 100 seconds of arc
- Letters' orientation: to the Vortex image above, below and even with the image at +/- 600 seconds of arc
- 16 dioptre range for Base-In (Divergence)
- 24 dioptre range for Base-Out (Convergence)
- Total accommodation range of 40 dioptres
- Improved Vecto guides and Therapy Binder
- Includes professional and patient instruction manuals
- Home reinforcement Vision Therapy System*
- **Includes Patient Vision Therapy Record Form**
- **Includes Standard Polarized Viewers**

* As a sales point, the VORTEX can be rented or sold to patients for home use.

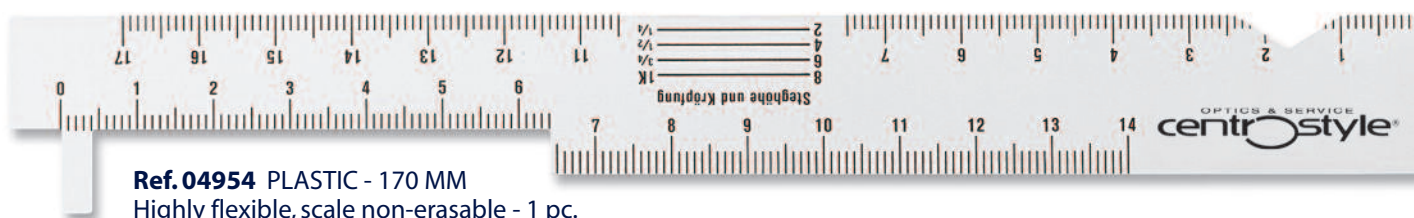


6.3 TEST ROOM ACCESSORIES

PD Scales



Ref. 04959 PLASTIC PD SCALE WITH EYE OCCLUDER
Measuring range: 150 mm - 1 pc.



Ref. 04954 PLASTIC - 170 MM
Highly flexible, scale non-erasable - 1 pc.

White Light Pen

Ref. 08319
140 mm - 1 pc.
2 batteries
AAA 1,5V included.

NEW

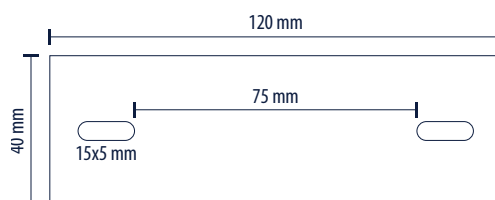


Chin Rest Tissues



Ref. 06980
Disposable paper tissues
for chin rests and other
optical equipment.

Box of 500 pcs.



With PD adjustment slides



DIGITAL PD METER

Ref. 04966

With PD adjustment slides.

Additional lens +2.00D switchable on the PD measurement ocular.

Internal light with high brilliancy LED

Measurement range: 45-82 mm (0,5 mm increments)

Measurement: monocular and binocular

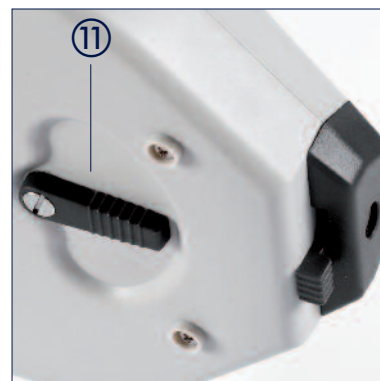
Viewing distance: from 30 cm to infinity

Power off: automatically after 1 minute without use

Power supply: 2 batteries (1.5V AA) included

Dimensions: 221x166x63 mm

Weight: 0,66 kg (with batteries)



6.4 CHILDREN'S TRIAL FRAME

0-3 years - For optometrical refractions - Tabo System

□ 34 ⌵ 15 — 110

- PD: 50 mm
- Weight: 16 gr.

Adjustable Silicone Tube



Wrap-around temples

Three lens holders suitable for standard \varnothing 38 mm trial set lenses.

Frame without any metal parts

NEW

Ref. 15731
Light Blue

NEW

Ref. 15730
Pink

• COMFORTABLE AND LIGHTWEIGHT

The design of the frame and its hypoallergenic material have been manufactured to offer the best possible visual comfort during eye examination.

The wrap-around temples give a good fit to the child's face.

• OPTICAL QUALITY

The bridge is centred and splayed, thereby helping to maintain the optical centres.

The frame has three external lens holders suitable for all \varnothing 38 mm trial set lenses.

Determination of the astigmatism axis is according to the **TABO system**.



Ultra-light - For optometrical refractions - Tabo System



CHILDREN'S TRIAL FRAME KIT

Ref. 08215

Display box with 4 children's trial frames.

PD range 50-52-54-56 mm

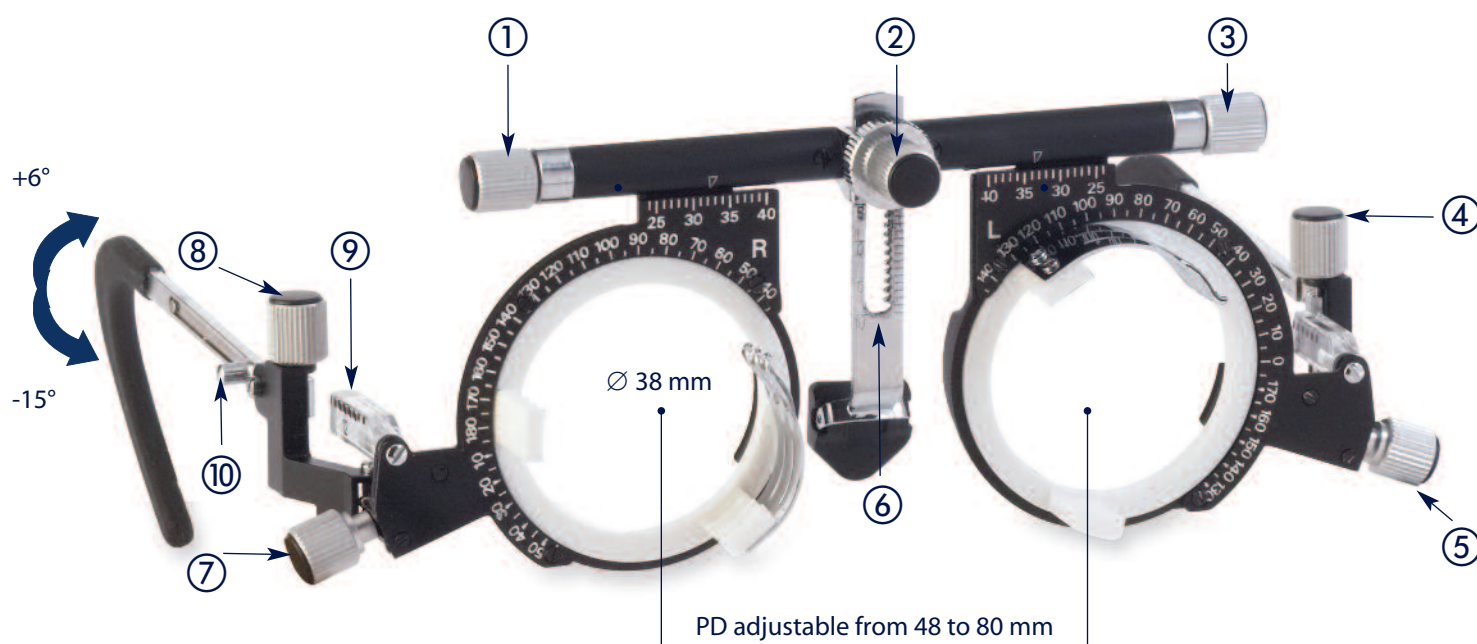
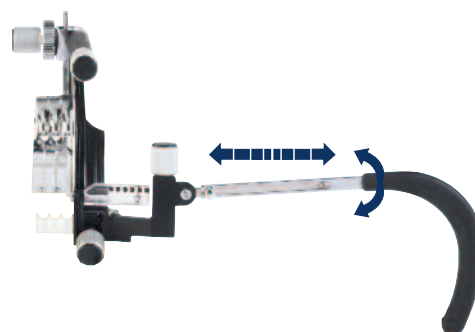
- Lightweight, non-allergic structure, suitable for all standard Ø 38 mm trial lenses.
- Standard axis rotation.
- Adjustable comfort bridge.
- Flex temples, length adjustable from 90 to 130 mm.
- 4 lens holders each eye: 3 external rotating and 1 fixed internal.
- Manual lens axis rotation, scale in 5° increments.

Weight: 30 gr.

6.4 TRIAL FRAME

Universal - European Style - Tabo System

- 1- PD adjustment, right eye
- 2 - Bridge height adjustment
- 3 - PD adjustment, left eye
- 4 - Left temple inclination adjustment
- 5 - Left lens axis adjustment
- 6 - Vertical height adjustment
- 7 - Right lens axis adjustment
- 8 - Right temple inclination adjustment
- 9 - Back Vertex distance gauge (both sides)
- 10 - Temple length slide adjustment



LIGHTWEIGHT TRIAL FRAME

Ref. 08225

Lightweight, non-allergic structure, suitable for all standard Ø 38 mm trial lenses.

Standard axis rotation.

Back vertex distance measurement gauge.

Independent monocular adjustments for optical centres.

Vertical and projection bridge adjustments.

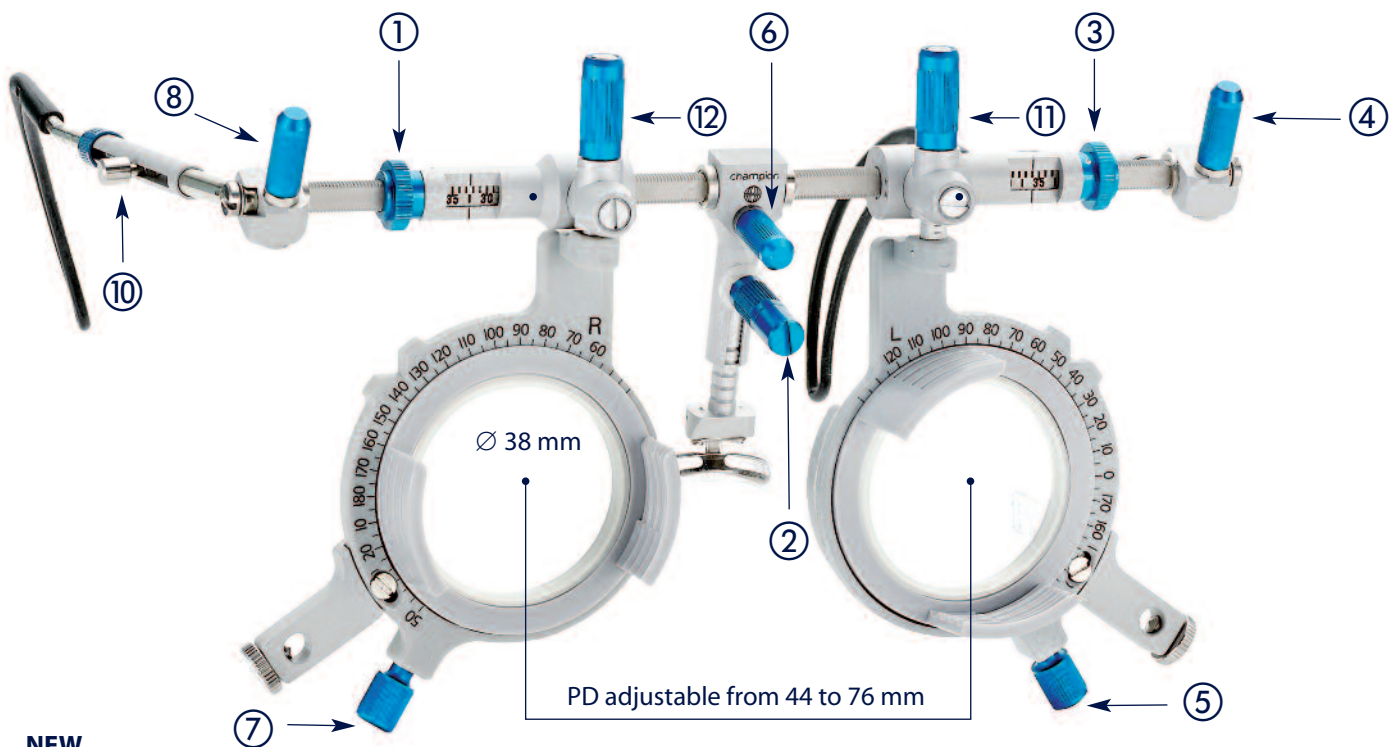
Temple length and inclination adjustable.

Weight: 58 gr.

- PD adjustable range 48 to 80 mm.
- Right and left PD adjustable independently from 25 to 40 mm.
- Bridge height adjustable by up to 15 mm.
- Temples adjustable in length from 98 to 135 mm.
- Temple inclination adjustable from +6° to -15°.
- 5 lens holders each eye: 3 external rotating by 360° and 2 fixed internal.
- Axis rotation is continuously adjustable, in increments of 5°.

Vertical adjustment for Haase sequence - Tabo System

- 1- PD adjustment, right eye
- 2 - Bridge height adjustment
- 3 - PD adjustment, left eye
- 4 - Left temple inclination adjustment
- 5 - Left lens axis adjustment
- 6 - Vertical height adjustment
- 7 - Right lens axis adjustment
- 8 - Right temple inclination adjustment
- 9 - Back Vertex distance gauge (both sides)
- 10 - Temple length slide adjustment
- 11 - Vertical adjustment, right eye
- 12 - Vertical adjustment, left eye



NEW

Ref. 08230

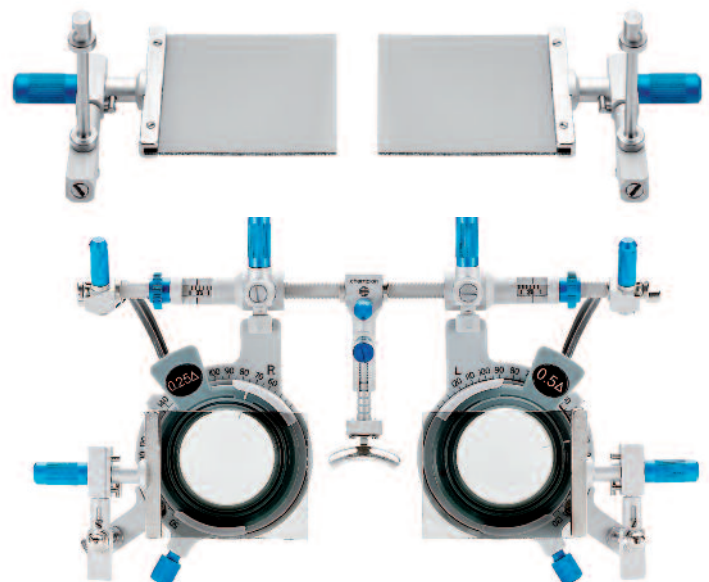
Lightweight, non-allergic structure, suitable for all standard Ø 38 mm trial lenses.

- Standard axis rotation.
- Vertical adjustment for single eye 10 mm.
- Back vertex distance measurement gauge.
- Independent monocular adjustments for optical centres.
- Vertical and projection bridge adjustments.
- Temple length and inclination adjustable.
- PD adjustable range 44 to 76 mm.
- Right and left PD adjustable independently from 22 to 38 mm.
- Bridge height adjustable by up to 12 mm.
- Temples adjustable in length from 110 to 150 mm.
- Temple inclination adjustable from +6° to -15°.
- 6 lens holders each eye: 4 external rotating by 360° and 2 fixed internal.
- Axis rotation is continuously adjustable, in increments of 5°.

Weight: 70 gr.

Ref. 08231

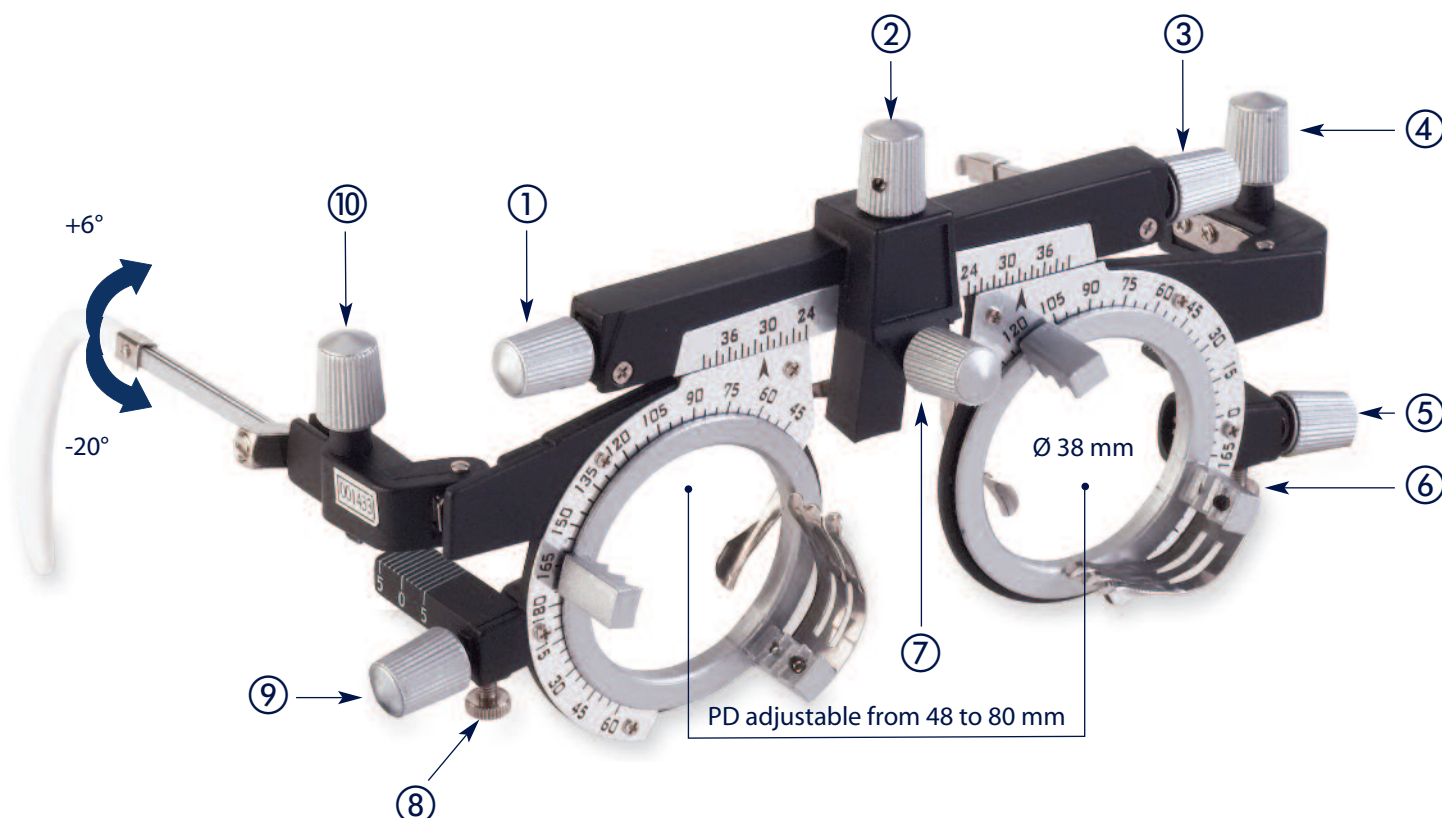
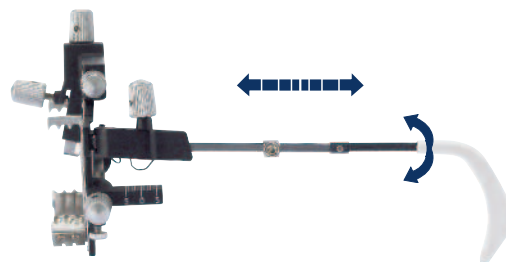
Polarized filters
2 pcs.



6.4 TRIAL FRAME

Universal - American Style - Tabo System

- 1 - PD adjustment, right eye
- 2 - Bridge height adjustment
- 3 - PD adjustment, left eye
- 4 - Left temple inclination adjustment
- 5 - Left lens axis adjustment
- 6 - Locking screw - left axis adjustment
- 7 - Bridge projection adjustment
- 8 - Locking screw - right axis adjustment
- 9 - Right lens axis rotation
- 10 - Right temple inclination adjustment
- 11 - Back Vertex distance gauge (both sides)



TRIAL FRAME

Ref. 08224

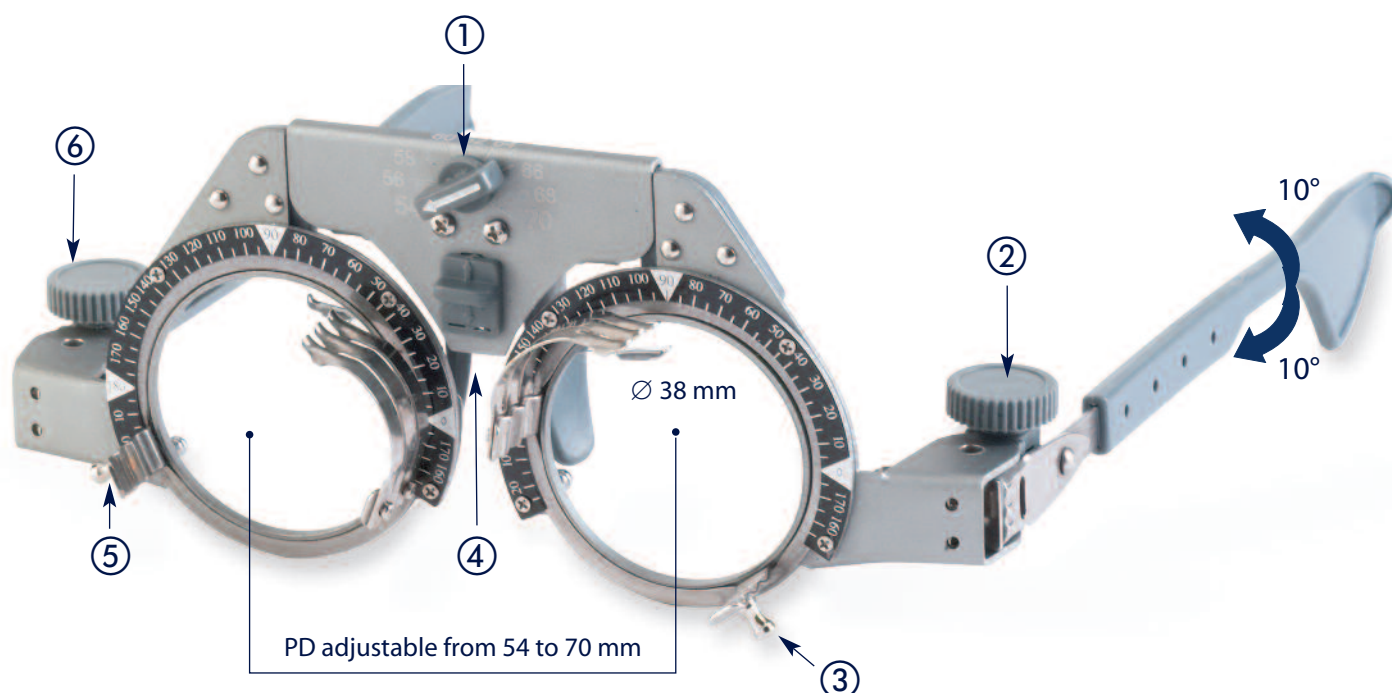
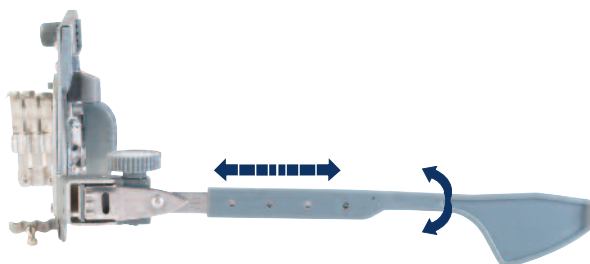
Lightweight, non-allergic structure, suitable for all standard Ø 38 mm trial lenses. Standard axis rotation. Independent monocular adjustments for optical centres. Vertical and projection bridge adjustments for corrected vertex distances. Temple length and inclination adjustable. Includes 5 spare nose-rest pads.

Weight: 72 gr.

- PD adjustable from 48 to 80 mm
- Right and left PD adjustable independently from 24 to 40 mm.
- Bridge height adjustable by up to 13 mm.
- Bridge projection distance adjustable by up to 16 mm.
- Temples adjustable in length from 98 to 135 mm
- Temple inclination adjustment from +6° to -20°.
- 4 lens holders: 3 external and 1 internal.
- External axis rotation is continuously adjustable, scale at 5° increments.

Universal - Ultra-light titanium alloy - Tabo System

- 1 - Pupillary distance adjustment
- 2 - Left temple pantoscopic adjustment
- 3 - Left lens axis adjustment
- 4 - Bridge height adjustment
- 5 - Right lens axis adjustment
- 6 - Right temple pantoscopic adjustment



ULTRA-LIGHT TRIAL FRAME

Ref. 08220

Non-allergic, light weight and strong,
for optometrical refractions.
Suitable for all standard Ø 38 mm trial lenses.
Standard axis rotation.

Weight: 49 gr.

- PD adjustment from 54 to 70 mm with selector in 2 mm increments.
- Adjustable pads.
- Bridge height adjustable (+4 mm).
- 4 lens holders each eye: 3 external rotating and 1 fixed internal.
- Temple length adjustable from 95 to 135 mm.
- Temple pantoscopic $\pm 10^\circ$ from the horizontal by means of a screw.
- Manual lens axis rotation, scale in 5° increments.

6.4 TRIAL CLIPS - TRIAL LENS HOLDER

Trial Clip

Ref. 08229

Monocular trial clip which may be used with almost all types of spectacles frames.

2 trial clips with 3 lens holders for Ø 38 mm trial lenses.

Ideal for low vision testing.

Weight: 9 gr. each

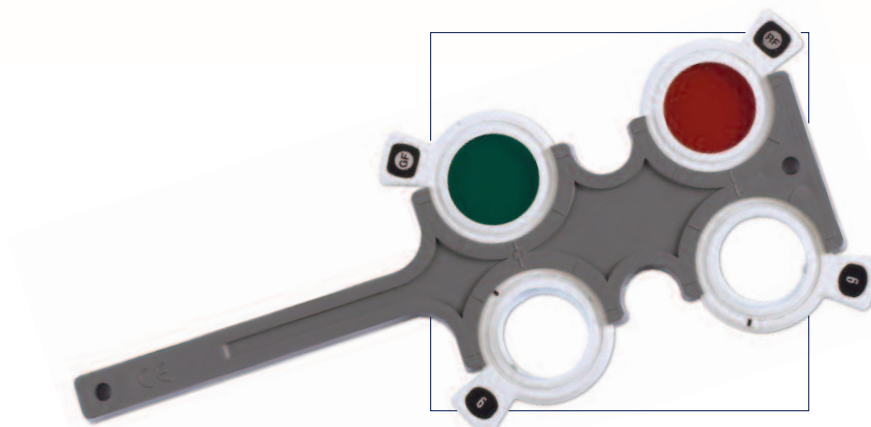
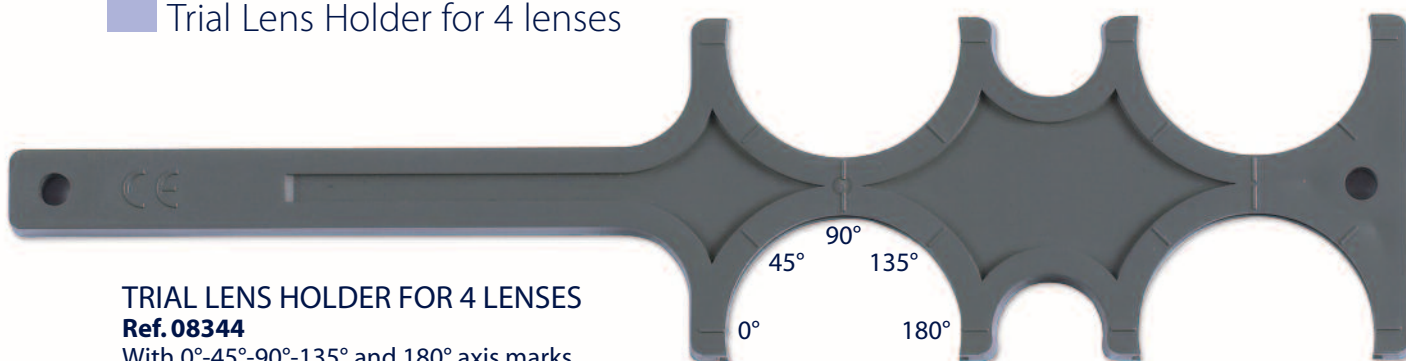


Trial Lens Holder for 4 lenses

TRIAL LENS HOLDER FOR 4 LENSES**Ref. 08344**

With 0°-45°-90°-135° and 180° axis marks

For Ø 38 mm trial lenses.



PRISM TRIAL LENS SET

6.4

Prism Ø 38 mm trial lenses with AR coating in carrying case



76 PRISM LENSES

Ref. 08264

76 prism lenses in carrying case with removable wooden tray. Suitable for the measuring and correction methodology after H.-J. Haase (MKH).

AR coated lenses in optical glass with refraction index of 1.523.

Prism diopter range:

0.25^Δ-0.50^Δ-0.75^Δ-1.00^Δ-1.25^Δ-1.50^Δ-1.75^Δ-2.00^Δ-2.50^Δ-3.00^Δ-3.50^Δ-4.00^Δ-4.50^Δ-5.00^Δ-6.00^Δ-7.00^Δ-8.00^Δ-9.00^Δ-10.00^Δ.

This set contains 4 lenses for each prism diopter, with 4 different prism inclinations.

A reference mark indicates the base (notch) and the vertex (dot) of the prism.

Thin lenses with high prism powers.

The rims are made from grey coloured ABS plastic.

Dimensions:

Case: 300x190x93 mm

Wooden tray: 270x155x35 mm

Weight: 1.8 kg

NEW

12 PRISM LENSES

Ref. 08263

12 prism lenses in carrying case, suitable for fixation disparity test.

AR coated lenses in optical glass with refraction index of 1.523.

Prism diopter range:

0.25 - 0.50 - 0.75 - 1.00 - 1.50 - 2.00.

This set contains 2 lenses for each prism diopter, with different prism inclinations.

A reference mark indicates the base (notch) and the vertex (dot) of the prism.

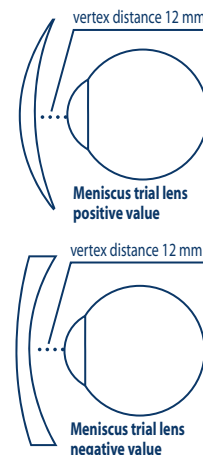
Dimensions:

Case: 175 x 125 x 95 mm

Weight: 0.8 kg

6.4 MENISCUS TRIAL LENS SET

236 meniscus Ø 38 mm trial lenses in carrying case



MENISCUS TRIAL LENS CASE

Ref. 08250

236 meniscus lenses in carrying case.

Lenses in optical glass with refraction index of 1.523.

- 35 pairs of positive sphere lenses from +0.12D to +20.00D
- 35 pairs of negative sphere lenses from -0.12D to -20.00D
- 19 pairs of positive cylinder lenses from +0.12D to +6.00D
- 19 pairs of negative cylinder lenses from -0.12D to -6.00D
- 10 prisms from 1Δ to 10Δ
- 10 supplementary lenses:
Maddox Rod white (2 pieces) - Grid - Pinhole - Occluder -
Stenopeic slot - Red filter - Green filter - Clear glass -
Opaque glass.

All the inside lens curves are the same to guarantee a consistent vertex distance.

The rims are made from polycarbonate and are coloured red for minus powers and black for plus powers and grey for prisms and supplementary lenses.

Case dimensions: 530 x 400 x 100 mm

Weight: 3.9 kg

Red: Minus power lenses

Black: Plus power lenses

Grey: Prism and supplementary lenses

External lens diameter: Ø 38 mm



REGULAR TRIAL LENS SET

6.4

Trial lenses Ø 38 mm in carrying case



232 TRIAL LENSES

Ref. 08260

232 plain lenses in carrying case with removable wooden tray. Lenses in optical glass with refraction index of 1.523.

Thin lenses with traditional flat bi-concave and bi-convex curves.

- 34 pairs of positive sphere lenses from +0.12D to +20.00D
- 34 pairs of negative sphere lenses from -0.12D to -20.00D
- 19 pairs of positive cylinder lenses from +0.12D to +6.00D
- 19 pairs of negative cylinder lenses from -0.12D to -6.00D
- 10 prisms from 1Δ to 10Δ
- 10 supplementary lenses:
Maddox Rod white - Pinhole (2 pcs.) - Occluder (2 pcs.) -
Stenopeic slot - Red filter - Green filter - Clear glass -
Opaque glass.

The rims are made from ABS plastic and are coloured red for minus powers and black for plus powers and grey for prisms and supplementary lenses.

Dimensions case: 555 x 370 x 95 mm

Wooden tray: 520 x 340 x 35 mm

Weight: 4.6 kg

NEW

290 A/R COATED TRIAL LENSES

Ref. 08258

290 plain anti-reflection coated trial lenses in carrying case with removable wooden tray.

Lenses in optical glass with refraction index of 1.523.

Thin lenses with traditional flat bi-concave and bi-convex curves.

- 45 pairs of positive sphere lenses from +0.12D to +20.00D
- 45 pairs of negative sphere lenses from -0.12D to -20.00D
- 21 pairs of negative cylinder lenses from -0.12D to -6.00D
– axis inclination 45°
- 21 pairs of negative cylinder lenses from -0.12D to -6.00D
– axis inclination 90°
- 12 prisms from 1Δ to 10Δ
- 14 supplementary lenses:
Occluder (2 pcs.) – Clear glass – Pinhole ø 0.8 mm –
Pinhole ø 2.5 mm – Stenopeic slot – Opaque glass –
Polarized axis 45° and 135° – Red filter – Green filter –
Maddox Rod white – Grid (2 pcs.)

The rims are made from ABS plastic and are coloured red for minus powers, black for plus powers and grey for prisms and supplementary lenses.

Dimensions case: 555 x 370 x 95 mm

Wooden tray: 520 x 340 x 35 mm

Weight: 5.6 kg

6.5 REFRACTOR/PHOROPTER - VISION TESTER

Ophthalmic instrument used to investigate sight problems and binocular function



REFRACTOR/PHOROPTER - VISION TESTER Ref. 08242

The vision tester is an instrument that is used to examine refractive problems. It contains most of the lenses used in the trial lens set including the Resley prisms.

Pupillary distance adjustment: from 48 to 75 mm in increments of 1 mm.

- Antireflection lenses
- Sphere lenses: from +16.75D to -19.00D (in increments of 0.25D)
- Cylindrical lenses: from -0.25D to -6.00D in increments of 0.25D (extendible to -8.00D with additional -2.00D auxiliary lens)
- Cylindrical axis: from 0 to 180° (in increments of 5°)
- Cross cylinders: ± 0.25 D

- Rotating prisms: from 0 Δ to 20 Δ in increments of 1 Δ
- Supplementary lenses:
 - Open lenses
 - Retinoscopy lenses +1.50D
 - Polarized lenses: 45° left eye; 135° right eye
 - Maddox, vertical: left eye - white; right eye - red
 - Maddox, horizontal: left eye - white; right eye - red
 - Green lens
 - Red lens
 - Sphere lens + 0.12D
 - Pinhole
 - Dissociated prisms: left eye 10 Δ ; right eye 6 Δ
 - Fixed cross cylinders ± 0.50
 - Occluder

Dimensions: 345x350x155mm
Weight: approx. 4.5 Kg

For Lens Meter and Projector



ACCESSORIES

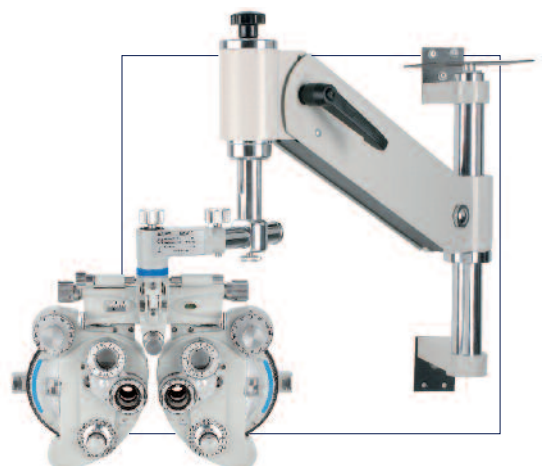
INCLUDED WITH REF. 08242:

- 4 auxiliary lenses in box: 2 cylinder lenses -0.12D and 2 cylinder lenses -2.00D
- Near vision test card with rod
- Protective cover
- Face shield with protective lens.



Ref. 08241

With wall-mounted support for vision tester, complete with chart projector mounting.



6.5 LED OPTOTYPE PROJECTOR

With infrared remote control



Ref. 08247

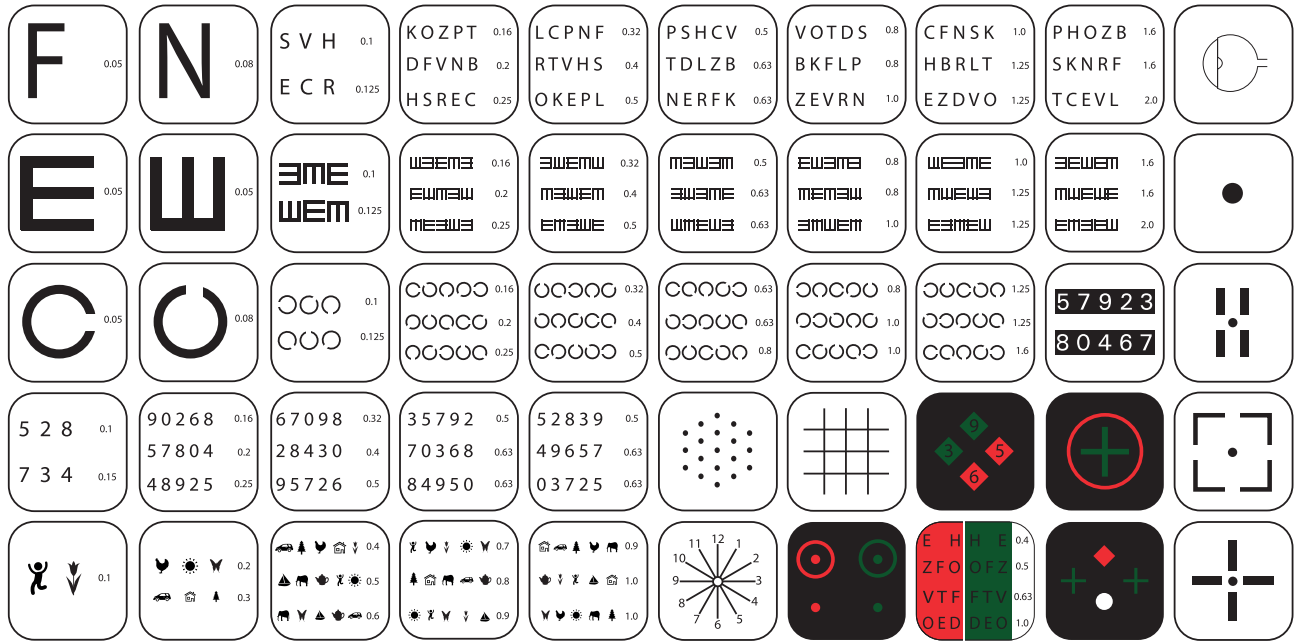
LED optotype projector including 50 of the most commonly used tests during vision testing (see next page for chart details). Tests can be selected quickly and easily using the infrared remote control. Single vertical and horizontal lines of characters can be masked. Supplied with polarized metal screen (400x330 mm).

- 50 different tests projected.
- 2 program settings (50 tests or 38 masks).
- Red - Green Filter.
- Projection distance 2.0 to 7.0 m.
- Enlargement 30X (at 5 m).
- Angle of inclination $\pm 10^\circ$.
- Test selection speed approx. 0.3 sec.
- Automatic switch-off after 5 min.
- Infrared remote control.
- Can be assembled on self-balancing arm Ref. 08241.

Power supply: 230V AC - 50/60 Hz
Consumption: 90W
Dimensions: 248x336x234 mm
Weight: 4,5 kg



50 tests



TEST CHARTS

50 tests:

- 9 letter tests (from 0.05 to 2.0)
- 5 number tests (from 0.1-0.15 to 1.0)
- 9 illiterate or tumbling E tests (from 0.1 to 2.0)
- 5 tests for children (from 0.05 to 1.0)
- 8 Landolt ring tests
- 2 cross cylinder tests
- 1 duochrome test
- 1 fixation point test
- 1 astigmatism test

Stereoscopic tests:

- 1 Schober test
- 1 Worth test

Polarization tests:

- 1 binocular test
- 1 duochrome test
- 1 phoria test
- 1 phoria with fixation test
- 1 vertical coincidence test
- 1 stereoscopic test
- 1 eye anatomy chart



6.5 READING CHARTS FOR 3 METRES DISTANCE TESTS

Flexible plastic material



NEW

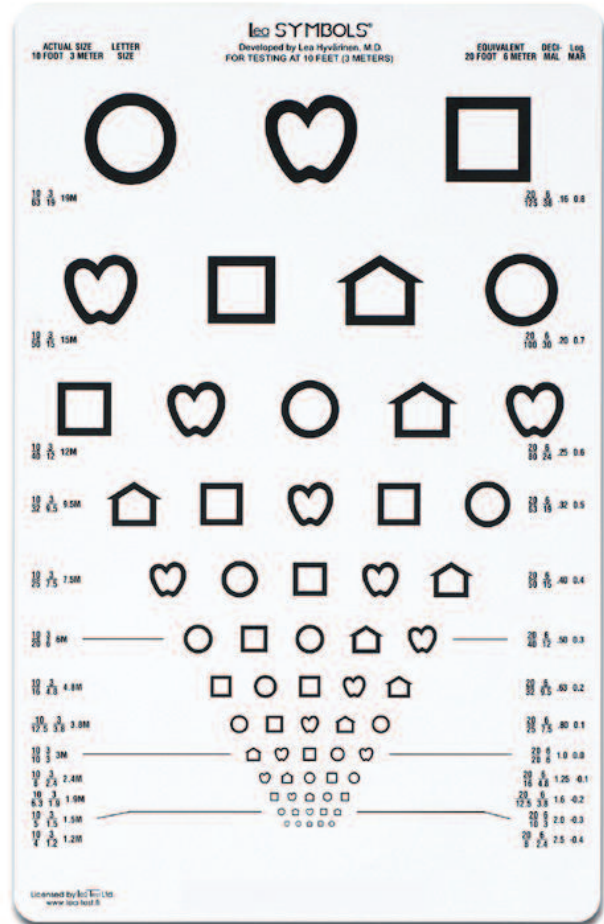
Ref. 08425

Reading Chart made of washable flexible plastic material.

- Testing distance approx. 3 metres
- Can be fixed to the wall or used with a light box for rear illumination
- SLOAN letters
- LogMAR notation
- Line progression in LogMAR, decimal, metres, foot.

Dimensions: 23 x 36 cm

Weight: 65 g



NEW

Ref. 08426

Reading Chart made of washable flexible plastic material.

- Testing distance approx. 3 metres
- Can be fixed to the wall or used with a light box for rear illumination
- LEA symbols, ideal for children from the age of 3 years
- LogMAR notation
- Line progression in LogMAR, decimal, metres, foot.

Dimensions: 23 x 36 cm

Weight: 65 g

DOUBLE DISPLAY READING CHART

6.5

Testing distance: 40 cm - With LED illumination



NEW

Ref. 08420

Rear LED illuminated reading chart, ideal to determine presbyopia.

Double sided display with the following tests:

- Display A:
 - letters with ETRS chart
 - DECIMAL and logMAR notation, fraction 6 m – 20 ft.
- Display B:
 - numbers and E chart with DECIMAL and logMAR notation, fraction 6 m - 20 ft.
 - clock dial astigmatism test
 - cross cylinder test
 - duochrome test.

Technical features:

- Button for two different light intensities
- Testing distance: 40 cm
- Powered by any of the following:
 - Power adaptor
 - 3.7V lithium battery (included)
 - USB cable for connection to PC.

Included:

- 1 reading chart 40 cm
- 1 inclinable base for reading chart with 40 cm distancing cord
- 1 USB cable for connection to PC
- 1 power adaptor with USB port
- 1 lithium battery 3.7V

Dimensions: 185 x 115 x 11 mm

Weight: 230 g



6.6 FLIPPERS

Binocular confirmation vision test - Confirmation monocular vision test - Cross cylinders



BINOCULAR CONFIRMATION TEST

Ref. 08325

With two sliding lenses for optical centring, in protective case.

Powers: $\pm 0.25\text{D}$ and $\pm 0.50\text{D}$



Binocular confirmation test



Confirmation monocular vision test



MONOCULAR CONFIRMATION VISION TESTS

Ref. 08320

With knurled handles in protective case.

Powers: $\pm 0.25\text{D}$ and $\pm 0.50\text{D}$

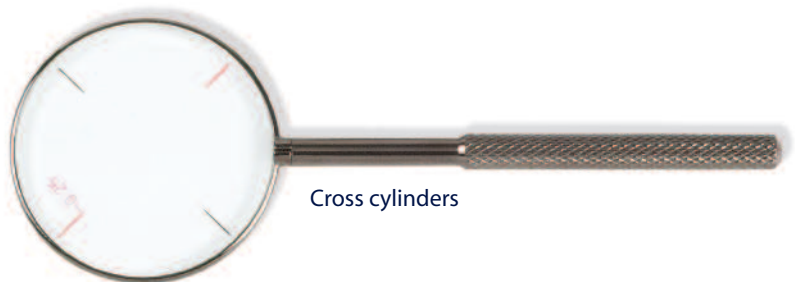


CROSS CYLINDERS

Ref. 08330

With knurled handles in protective case.

Powers: $\pm 0.25\text{D}$ and $\pm 0.50\text{D}$



Cross cylinders

Set of 6 flippers

Ref. 08332

Confirmation Test $\pm 0.25D$

Ref. 08333

Confirmation Test $\pm 0.50D$

Ref. 08335

Confirmation Test $\pm 1.00D$

Ref. 08336

Confirmation Test $\pm 1.50D$

Ref. 08337

Confirmation Test $\pm 2.00D$

Ref. 08338

Flipper with polarized lenses and Red-Green filters

NEW

Ref. 08339

Set of 6 flippers with display

- 5 flippers with sphere lenses in optical glass.
Powers: $\pm 0.25D, \pm 0.50D, \pm 1.00D, \pm 1.50D, \pm 2.00D$
- 1 flipper with polarized lenses and Red-Green filters.



6.7 CONTACT LENS ACCESSORIES

Schirmer Test - Fluorescein Sodium



SCHIRMER TEST

Ref. 08781

Graduated strips for dry eye test.
Measurement of tear volume and
production.

100 strips in single sterile pack



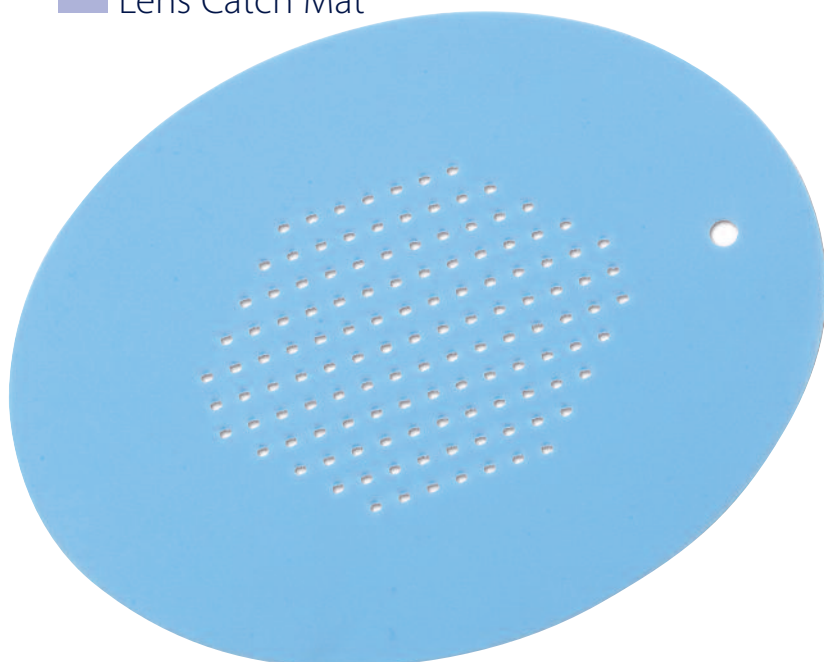
FLUORESCEIN SODIUM

Ref. 08783

Evaluation of integrity of the ocular surface,
G.P. hard contact lens fitting and applanation
tonometry. Each strip is impregnated with 1.0
mg of fluorescein sodium.

100 strips in single sterile pack

Lens Catch Mat



LENS CATCH MAT FOR THE SINK

Ref. 08795

To prevent the loss of contact lenses down
the drain.

Dimensions: 139x107 mm

3 pcs.

NEW

Ref. 11103

Poster illustrates the different parts of the eye i.e muscle, crystalline, optical nerve, lacrimal gland, net, cornea, eyelashes corps.

Dimensions: 50 x 66 cm

1 pc.