



EVERYTHING YOUR OPTICIAN'S HEART DESIRES!

EQUIPMENT 2020







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Strike new Paths with our Mobile Equipment

NEW



02.



03.

NEW

01. EyeNetra Set (Fig. 02. & 03.)

Self-test refractometer (Fig. 02)

For mobile eye diagnostics or vision screenings, the handheld NETRA auto-refractor measures sphere, cylinder, axis and pupillary distance through a series of game-like interactions in a virtual-reality environment.

NETRA's interactive nature puts control back in the hands of the patient. A provider using EyeNetra mobile tools empowers his or her patients to take a more active role in their eye care; fostering trust in the patient-provider relationship and vastly improving the customer experience.

Lensmeter (Fig. 03)

The handheld smartphone-based Netrometer captures the refraction of single vision, progressive and bifocal lenses in seconds. With the precision of 0.08D, the Netrometer is as accurate as top-tier lens meters. No alignment issues, tilting or mishandling inaccuracies. Just open the app, place it into the device, and take measurements.

SKU. 5556

NEW

02. Mobile lensmeter EyeNetra

Delivery unit: Measurement attachment with smartphone and charger

SKU. 5554

Technical Data

Measuring range: -13.00 to +7.00 dpt

cyl: -7.00 to +7.00 dpt

cyl presentation: + / - / ±

Steps dpt: 0.25 dpt

cyl. axis: 1°

Wave length: 400 to 750 nm

Measures (WxHxD): 75x110x210 mm

Weight: 500 g

NEW

03. Mobile self-test refractometer EyeNetra

Delivery unit: Measuring device with smartphone and charger

SKU. 5529

Technical Data

Measurement range: -12.00 dpt to +5.50 dpt

Cyl: up to -7.00 dpt Steps: 0.25 dpt

PD: 52 mm to 72 mm, 0.5 mm Steps

Minimum diameter pupil: 2.0 mm

Measures (WxHxD): 200x85x200 mm

Weight: 436 g

Measure Anywhere

NEW

01. Optibag incl. EyeNetra Set

The mobile optical shop

The Optibag including EyeNetra self-test refractometer and lensmeter is the mobile optical shop for a professional use outside your store. The pull-out bag system is made especially for external customer visits and contains all you need for a good refraction and glasses fitting.

The Optibag is divided in four areas:

- ▶ Refraction
- ▶ Workshop area for glasses fitting and repairs
- ▶ Capacity for up to 168 frames
- ▶ EyeNetra Set

The logical structure with the drawer system makes sure you always have everything ready to hand for a professional performance. The compact size and the roller system always allow an easy and comfortable transportation.

Contents:

- ▶ Trial frame
- ▶ Spherical lenses with + and -cyl. from 0.25 to 8.00 dpt (Frame diameter 38 mm / Lens diameter 25 mm)
- ▶ Cylindric lenses, prism lenses (12x), plano lenses (2x), Cross hair (2x)
- ▶ Stenopaic slit in 3 sizes, pinhole disc
- ▶ Occluder, frosted lens, tinted lenses red/green
- ▶ Maddox cylinder, cross cylinder
- ▶ Flipper +/- 0,25 and +/- 0,50
- ▶ PD measurement tool with cover-test
- ▶ Foil pen, pad-set, tape measure (7,5 m)
- ▶ Optotype chart (landolt rings)
- ▶ Round snipe nose plier, Holding plier 7 mm, Inclination plier, Nose pads plier
- ▶ Screwdriver & nut driver set 8 pcs. (Slit/cross slot/nut)
- ▶ 14 Tables for up to 168 frames (delivery without content)

Measures (WxDx H): 450x350x720 mm

Weight: 15 kg

black	Art. Nr. 5591.100
red	Art. Nr. 5591.800
orange	Art. Nr. 5591.710
blue	Art. Nr. 5591.600
green	Art. Nr. 5591.500

NEW



NEW

02. Optibag

Like 01, though without EyeNetra

Measures (WxDxH): 450x350x720 mm, pulled out = 1.350 mm

black	Art. Nr. 5588.100
red	Art. Nr. 5588.800
orange	Art. Nr. 5588.710
blue	Art. Nr. 5588.600
green	Art. Nr. 5588.500



PolaSkop3D+ with Active Frame

The perfect team

- ▶ Experience refraction under realistic daily life conditions in 3D
- ▶ Very large selection of tests
- ▶ Active frame for measurement of night myopia



*Stand out from the crowd -
for more Experience Refraction*

The PolaSkop3D+

The PolaSkop3D+ is an electronical chart vision system by which the monocular and the binocular visual performance of the eyes can be determined. It contains the binocular astigmatism test as well as a 3D presentation of the tests.

Functions and characteristics:

- ▶ Various kinds of optotypes (kids' pictures, E chart, landolt rings, numbers, letters)
- ▶ 3 presentation options (single, row, or group presentation)
- ▶ circular polarisation
- ▶ Various 3D-background images
- ▶ Visus steps 0.05-2.50
- ▶ Adjustable refraction distance 2-10 m, 2-4 m in connection with Refinity®
- ▶ Mirror reading possible
- ▶ Programmable test procedures
- ▶ Special tests like bichrome balance, cowen test, Maddox, worth test etc.
- ▶ MKH tests (incl. D5 and D10)
- ▶ Ishihara
- ▶ Contrast test
- ▶ LED background lighting
- ▶ Remote control via tablet
- ▶ Incl. adjustable wall mount

The Active Frame

The active frame offers more tests for the PolaSkop3D:

▶ Glare test

A nighttime traffic situation is faded in and a glare light simulates an oncoming car. With the help of surrounding objects the level of glare can be determined. It can demonstrate the effect of media opacities.

▶ Smart-Maddox

A Maddox test for horizontal and vertical measurements with decentralized illumination. This avoids a central glare of the eyes.

▶ Subjective Night Myopia Test

With the help of small LED lights in traffic light colors the circle of confusion can be determined and reduced.





Tablet included

01. PolaSkop3D+ 24" FullHD with Active frame

Measures with frame (WxH): 720x480 mm

For Direct Reading	SKU. 5548.AktivDirekt
For Mirror Reading	SKU. 5548.AktivSpiegel

02. PolaSkop3D+ 24" FullHD (without fig.)

Like 01., though without Active Frame.

SKU. 5548

03. PolaSkop3D+ 32" UltraHD with Active frame (without fig.)

Measures with frame (WxH): 890x585 mm

For Direct Reading	SKU. 5549.AktivDirekt
For Mirror Reading	SKU. 5549.AktivSpiegel

04. PolaSkop3D+ 32" UltraHD (without fig.)

Like 03., though without Active Frame.

SKU. 5549



Cross test from MKH



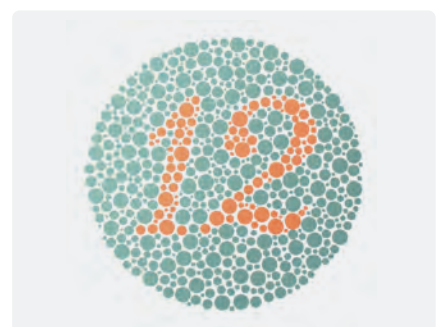
3D Experience world



Binocular astigmatism test

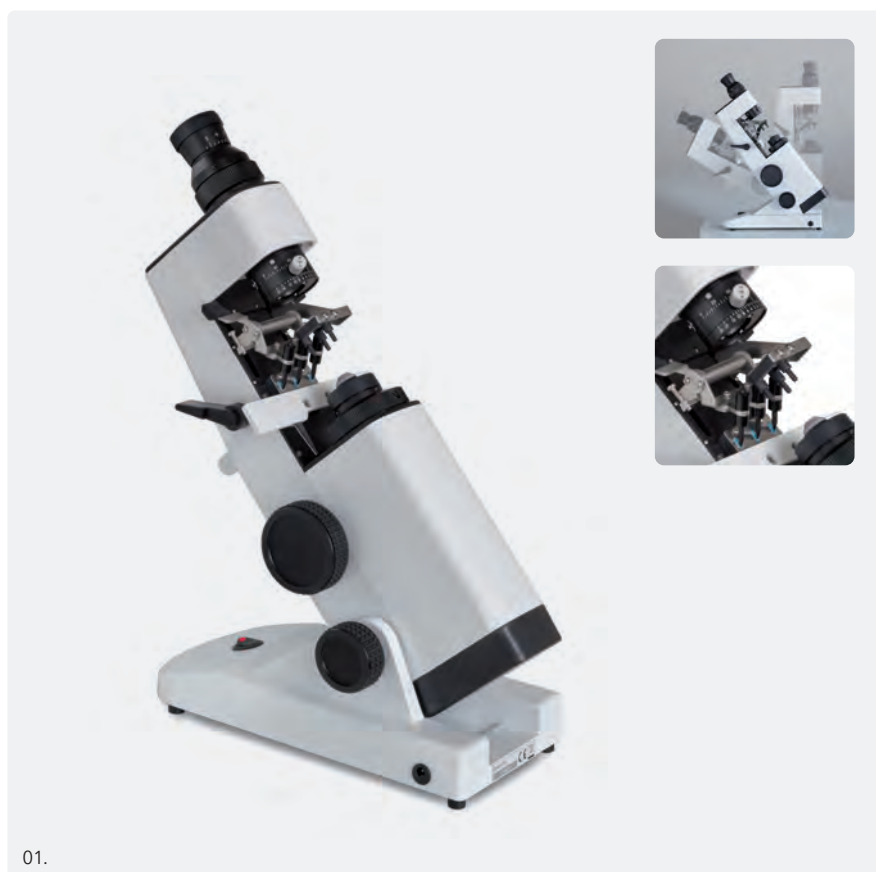


Double pointer test from MKH



Ishihara Test

Manual Lensmeter



01. Manual Lensmeter 500 LED

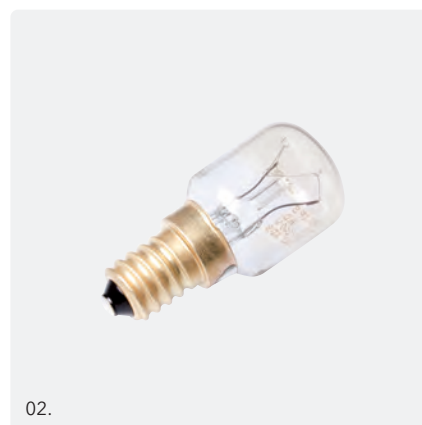
Also suitable for large diameters.

- Display prism: polar coordinates
- Swivelling in an angle from 30° to 90°
- Incl. prism compensator

Technical data:

- Measuring range: ± 25.00 dpt
- Cyl: In the whole measuring area
- Add: In the whole measuring area
- Steps dpt:
 - 0.125 dpt steps up to ± 5.00 dpt/0.25 dpt steps over ± 5.00 dpt
- Axis: 0° to 180°, 1° steps
- Prism: 0 to 6 cm/m +15 cm/m prism compensator
- Steps:
 - 0.5 cm/m steps up to 2 cm/m; 1.0 cm/m steps over 2 cm/m
- Display prism: Polar coordinates
- Prism compensator: 0 to 15 cm/m
- Steps: 1 cm/m; 0° to 180°; 5° steps
- Max. lens diameter: 90 mm
- Color: light grey/black
- Measures (WxHxD): 150x450x280 mm
- Weight: 4,9 kg

SKU. 5327



02. Lamp for Manual Lensmeter 500

SKU. 5327.Lampe



Included

Projector 500 LED

With LED technology for a bright and clear picture.

- ▶ 50 tests like e.g. Landolt rings, children's und illiterates' optotypes, letters
- ▶ Binocular and phoria tests
- ▶ Adjustable projection brightness
- ▶ Programmable procedures
- ▶ Incl chart plate, IR remote control, stand and dust cover

SKU. 5180

Technical data

Projection distance: adjustable 2-7 m

Picture changes in 0.3 sec.

Sleep mode after 5 min.

Inclination angle up to 10°

Measures (WxHxD): 248x234x336 mm

Measures stand (WxD): 161x217 mm

Weight: 4.0 kg



01. Mirror incl. Wall Mount

The tilted mirror including a stable wall holder is rotatable and revolvable. This mirror has a reflective surface. Other than ordinary mirrors it reflects 100% without losses.

Measures mirror (WxH): 300x300 mm

1 pc. 300x300 mm (without fig.)

SKU. 5131

2 pcs. 300x300 mm

SKU. 5128



02. Projection Screen

Anodised aluminium plate as projection screen for your projector. Contrasts will be brilliantly realised, the polarisation will be obtained.

For wall mounting

Measures (WxH): 375x375 mm

Weight: 0.2 kg

SKU. 5107



**03. Mirror incl. Wall Mount
45x30 cm**

The tilted mirror including a stable wall holder is rotatable and revolvable. This mirror has a reflective surface. Other than ordinary mirrors it reflects 100% without losses. Usable for chart vision systems up to 32".

Measures mirror (WxH): 450x300 mm

SKU. 5031

**04. Mirror 60x40 cm
(without fig.)**

Measures mirror (WxH): 600x400 mm

Measures wall plate (WxH): 60x80 mm

SKU. 5250



01.



01. Mobile Accu Vision Test Device

With integrated accu for best mobility, for driver license tests according to DIN 58220.

- Monocular and binocular testing possible
- Optotypes: Landolt rings
- Visus steps: 0.32-0.7-1.0
- Test area illumination density: 150 cd/m²
- LED illumination
- Incl. power supply

anthracite SKU. 5087.204

Technical Data

Measures (WxHxD):
170x355x350 mm at 30° inclination

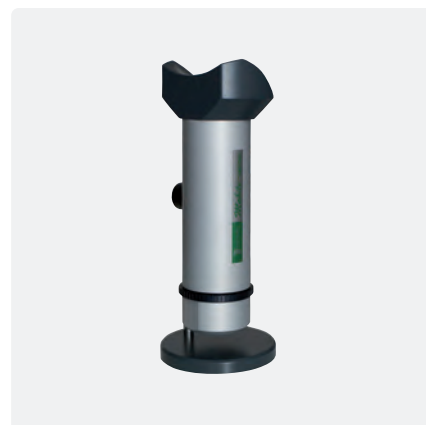
Weight: 3.5 kg



02. Mobile Vision Test Device

Like 01., though without accu.
Cable power connection.

anthracite SKU. 5063.204





PolaSkop3D N Near Test Device

The innovative 3D-Refraktion for the short distance

- ▶ Near test device for dynamic MKH
- ▶ Binocular testing at short distance available
- ▶ Automatic determination of the natural reading distance

Ready for the digital world

01. PolaSkop3D N Near Test Device

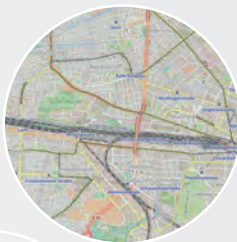
- ▶ Handheld electronical 3D chart vision system for short distances
- ▶ Up to visual acuity 1.2 – also binocular separated with circular polarisation
- ▶ Many near tests in 3D (3D-Refraction, MKH) and 2D (Amsler, Ishihara)

All the advantages of 3D refraction are available for near tests now. Show your customer a realistic 3D world. Refraction under binocular, stereoscopic conditions. Check if axis and cylinder are the same at short and long distances. Maybe a combination brings better results? Check the binocular vision with the whole MKH row or even Smart Maddox. Do a professional Screening with Amsler and Ishihara charts. Show realistic 2D situations for near to check the results. With distance measuring in order to determine the exact reading distance.

The PolaSkop3D N is controlled by the Tablet of the PolaSkop3D or any other Android device via Bluetooth.

Tests:

- ▶ 3D tests
- ▶ MKH
- ▶ Letters
- ▶ Numbers
- ▶ Children's optotypes
- ▶ Snellen
- ▶ Landolt rings
- ▶ Ishihara charts
- ▶ Astigmatism test
- ▶ Red/green test
- ▶ Worth
- ▶ Amsler tests
- ▶ Reading tests
- ▶ etc.



SKU. 5999

02. Tablet

For the controlling of the PolaSkop3D N.

SKU. 7476

Technical Data 2D Near Test Device

Measures (WxHxD): 272x202x 15 mm

Weight: 0.67 kg

Technical Data with 3D attachment

Measures (WxHxD): 276x206x60 mm

Weight: 1.3 kg



01.



01.



01.



02.

Picture similar



Slit Lamp 500

Easy entry to contact lens fitting

- ▶ Contains all necessary functions
- ▶ Integrated filters for contact lens fitting
- ▶ Five magnification levels

*Very attractive
price-performance ratio*



01. Slit Lamp 500

With all necessary basic functions at an attractive price. Without chin rest, table and power transformer. Incl. yellow filter. Measures (WxHxD): 310x420x320 mm Weight: 24 kg

SKU. 5161

Technical Data Stereomicroscope

Ocular: 12.5x

Objective lenses: 0.75x/1.2x/1.85x

Magnifications: 6x/10x/16x/25x/40x

Pupil distance: 55-75 mm

Compensation defective vision:
-5.00 dpt to +3.00 dpt

Technical data illumination unit

Slit width: 1-14 mm

Slit length: 0,3/5,5/9/14 mm

Rotation: 0° to 180°

Filter:

Blue, yellow, red-free, heat protection

Illumination: Halogen, 6 V, 20 W

Movement

Back and forth: 90 mm

Side: 100 mm

Height: 30 mm

Accessories

► Dust cover

► Spare lamp and spare fuse

02. Chin Rest, Slit Lamp 500 (without fig.)

Diameter of the attachment: 14 mm

Distance: 200 mm

Measures (WxHxD): 220x480x85 mm

Weight: 1.3 kg

SKU. 5161.1

03. Power Transformer, Slit Lamp 500 (without fig.)

Power transformer for 6 V instruments like e.g. the slit lamp 500, dimmable. Adjustable 6 V output, 220 V~ input.

SKU. 5161.2

04. Table Adapter Chin Rest, Slit Lamp 500

Metal adapter

SKU. 5161.3

05. Measuring Eyepiece, Slit Lamp 500 (without fig.)

12,5x

SKU. 5161.4

06. Breathing Protection Plate, Slit Lamp 500

Hygienic, transparent protection against smells and droplet infections.

Measures (WxHxD): 104x112x1 mm

SKU. 5161.5



01.



04.



06.

07. Yellow Filter, Slit Lamp 500 (without fig.)

SKU. 5161.7

08. Lamp, Slit Lamp 500 (without fig.)

Power output: 6 V, 20 W

SKU. 5161.Lampe

Motorized Tables



01. Motorized Table with different Tabletops

- ▶ Electrical infinitely heightadjustable
- ▶ Shiny, scratch resistant and coated tabletop
- ▶ Manual "up/dpwn" switch
- ▶ Powder-coated base plate
- ▶ 4 feet and 4 rolls
- ▶ Can easily be set up by one person
- ▶ Two sockets for instruments

Small plate, Measures (LxWxH): 640x400x25 mm

SKU. 5036.1

Big plate, Measures (LxW xH): 910x420x25 mm

SKU. 5036.2

V-plate, Measures (LxWxH): 1.080x550x25 mm

SKU. 5036.3



02. Motorized Screening Table

Electrical infinitely heighadjustable with rolls for three instruments. 5 sockets, storage space and recesses make the extra stable motorized table become your partner. Load capacity: 150 kg
Weight: 40 kg
Measures (LxWxH): 1,450x600x700 – 1,000 mm

SKU. 5569



01. Motorized Table 500S

- Electrical infinitely height adjustable
- Scratchproof tabletop
- Manual "up/down" switch
- 4 lockable castor wheels
- Space for one big and one small device
- Can easily be set up by one person
- Cable bushing
- Two sockets at the lifting column
- Velcro straps for fixing oversized cables
- Pre-assembled

SKU. 5181

Technical Data	
Setup time:	20 min.
Max. load capacity:	50 kg centrally positioned
Measures table (WxL):	445x590 mm
Max. height:	840 mm
Min. height:	650 mm



02. Wall Column

Wall column for autorefractometers that can be operated side-ward. The lifting function enables the eye examination with sitting and standing persons.

SKU. 5218.1

Technical Data	
Max. load capacity:	50 kg centrally positioned
Measures tabletop (wxD):	350x600 mm
Table height:	650 - 1,360 mm
Measures (WxHxD):	350x1,360x742 mm

Stools

01. Roller Stool Body Balance

The roller stool Body Balance is a real fitness star! The three-dimensional seat with its 35 cm diameter allows forwards, backwards, and sideways movements. It's infinitely height adjustable with Toplift (42~55 cm). The black polyamide base with safety braked dual roles is perfectly suitable for any ground. Available with textile or synthetic leather in many trendy colors.

Textile:

- black SKU. 5700.100
- grey SKU. 5700.200
- brown SKU. 5700.300
- apple green SKU. 5700.520
- blue SKU. 5700.600
- orange SKU. 5700.700
- red SKU. 5700.800
- burgundy SKU. 5700.801

Synthetic Leather:

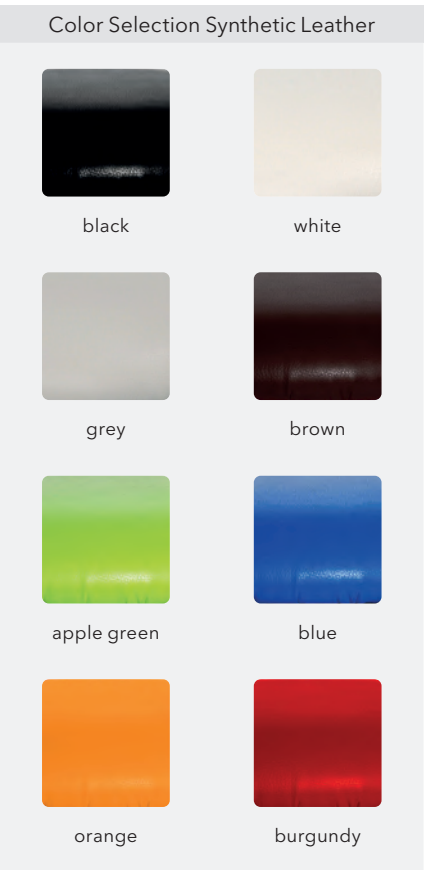
- black SKU. 5701.100
- white SKU. 5701.150
- grey SKU. 5701.151
- brown SKU. 5701.300
- apple green SKU. 5701.520
- blue SKU. 5701.600
- orange SKU. 5701.700
- burgundy SKU. 5701.801

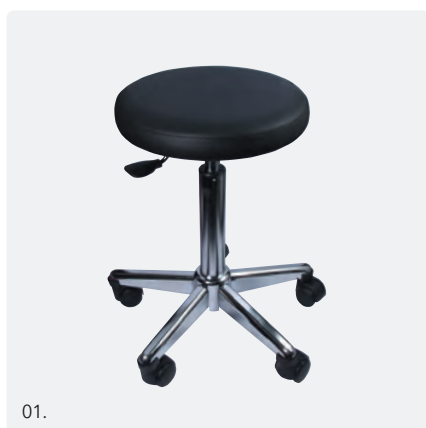


02. Casters for Hard Surfaces

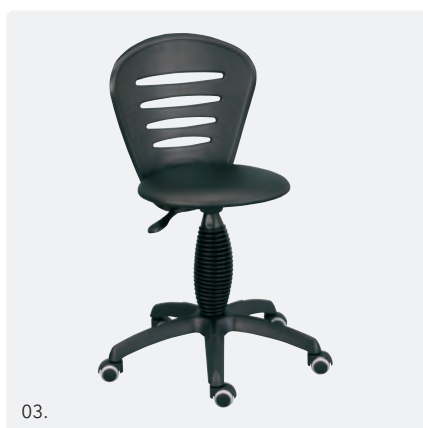
For e.g. tiles, laminate, parquet, PVC, or stone floors. For SKU 5700 and 5701.
Delivery unit: 5 pcs.

SKU. 5702





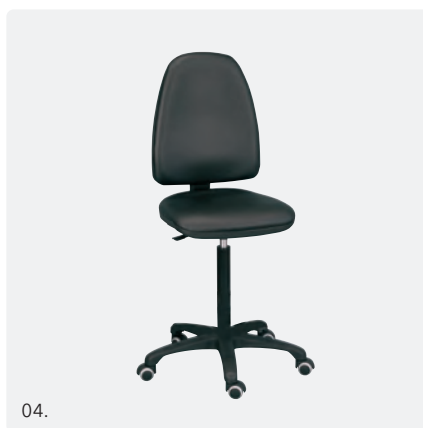
01.



03.



02.



04.



05.

01. Roller Stool

Suitable anywhere.

- ▶ Pneumatic suspension
- ▶ Seat diameter: 340 mm
- ▶ Foot diameter: 500 mm
- ▶ Height: 520–720 mm
- ▶ Seating surface padded with synthetic leather

black/silver

SKU. 5065

02. Stool Saddle

With rolls usable as standing aid, also in confined spaces.

- ▶ Anatomically shaped saddle seat for convenient and upright sitting
- ▶ Infinitely height adjustable
- ▶ Color: black
- ▶ Height: 520–700 mm
- ▶ Foot diameter: 560 mm
- ▶ Seating surface (WxD): 350x250 mm

black

SKU. 5099

03. Chair Milano

With rolls in trendy fin design.

- ▶ Seating surface padded with tough, low-maintenance synthetic leather.
- ▶ Infinitely height adjustable
- ▶ Height: 520–700 mm
- ▶ Foot diameter: 560 mm
- ▶ Seat diameter: 420 mm

black

SKU. 5100

04. Chair Turin

Convenient chair with rolls for workshop and office.

- ▶ Ergonomically designed seat and back area
- ▶ Tough, easy to maintain synthetic leather
- ▶ Infinitely height adjustable
- ▶ Height: 620–860 mm
- ▶ Foot diameter: 560 mm
- ▶ Seating surface (WxD): 450x400 mm

black

SKU. 5098

05. Roll for Stools and Chairs

Spare roll, adapted for:

- ▶ Stool SADDLE (SKU. 5099)
- ▶ Chair Turin (SKU. 5098)
- ▶ Chair Milano (SKU. 5100)

SKU. 8040



01. Trial Frame 500S

With soft nose pad. R/L in the front 3 lenses each, in the back 2 lenses each pluggable.

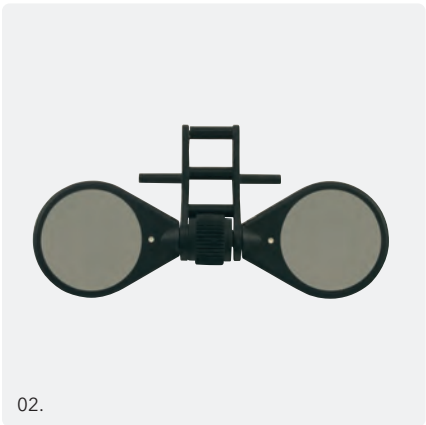
- ▶ Single PD adjustable from 24–40 mm
- ▶ Lens diameter: 38 mm
- ▶ Measures (WxHxD): 148x80x35 mm
- ▶ Weight: 62 g

silver/white	SKU. 5127.150
silver/black	SKU. 5127.100
silver/purple	SKU. 5127.830

02. Turning Polarization Filter

Propeller: Polarization test for refractive tests. To place in front of the trial frame. Direction of polarisation 45°/ 135°. For all standard trial frames.

SKU. 5113



03. 3D Glasses for PolaSkop3D

SKU. 5430.Mitbetrachter

04. Circular Polarized Trial Lenses (without fig.)

Trial lenses with circular polarization for the separation of visual impressions. For chart vision systems like the PolaSkop3D. Made in Germany. Suitable for all standard trial frames.

Diameter: 38 mm

Delivery unit: 1 pair

SKU. 8315

05. Circular Polarized Trial Lenses, PolaSkop3D+ 32" (without fig.)

Like 04. though especially for the PolaSkop3D+ 32", SKU. 5549.

SKU. 7044



01. PD Meter 500

Battery-powered mechanical PD Meter for monocular or binocular measurement in selectable distance. Stable viewing direction even with high ametropia.

black SKU. 5332.100

white SKU. 5332.150

Technical Data

Measuring range: 45-82 mm

Accuracy: 0.5 mm per side

Adjustable fixation mark

LC-Display

Green fixation

Auto-Off after 2 min

Incl. 2 mignon batteries

Color: black or white

Measures (WxHxD): 166x55x250 mm

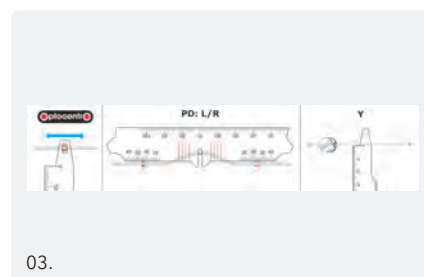
Weight: 650 g



02. Mono-Version



02. Duo-Version



03.

02. Optocentro Centring Tool

Mechanical centring tool for progressive and bifokal lenses. Allows a fast and simple determination of the viewing height and PD without a pen. It's fitted with a magnet right at the lens and thereby easy to adjust.

Mono-Version SKU. 1370.1

Duo-Version SKU. 1370.2

03. Optocentro, PD Stick

Art. Nr. 1370.3

Trial Lens Sets



01. with comfort rings

01. Trial Lens Set 500

Consists of 270 parts with bi-convex lenses. Suitable for all standard trial frames.

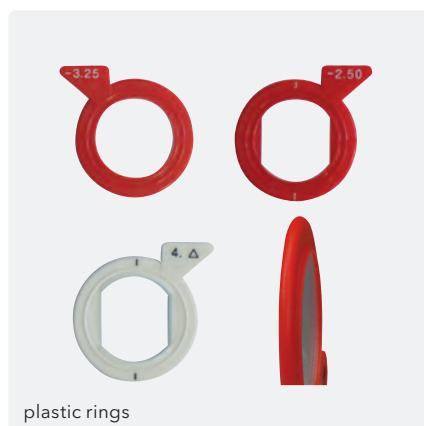
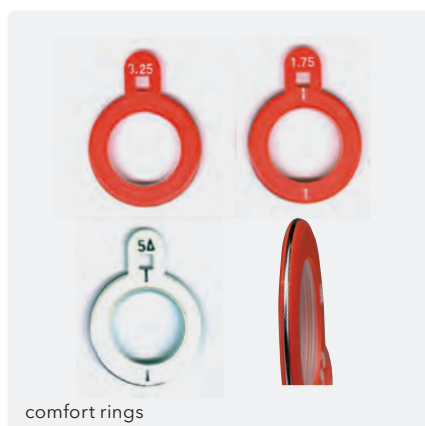
Technical Data:

- Lenses: Without coating
- Furnishing: Aluminium tray with removable wooden insert.
- Measures tray (WxHxD): 565x95x350 mm
- Measures insert (WxHxD): 533x45x312 mm

With plastic rings	SKU. 6206
With metal rings	SKU. 6207
With comfort rings	SKU. 6236

Content

2 Sph. Lenses each	Steps
±0,12 dpt	
up to ±6.0 dpt	0.25 dpt
up to ±10.0 dpt	0.50 dpt
up to ±14.0 dpt	1.0 dpt
up to ±20.0 dpt	2.0 dpt
2 Cyl. Lenses each	Steps
±0.12 dpt	
up to ±4.0 dpt	0.25 dpt
up to ±6.0 dpt	0.5 dpt
Prisms	Special Lenses
0.5 cm/m 2 Lenses	Occluder
1.0 cm/m 1 Lens	Pinhole Disc
2.0 cm/m 1 Lens	Stenopaic Disc
3.0 cm/m 1 Lens	Maddox transparent
4.0 cm/m 1 Lens	Frosted Lens
5.0 cm/m 1 Lens	Red & Green Filter
6.0 cm/m 1 Lens	Plano
8.0 cm/m 1 Lens	2x Cross Hair
10.0 cm/m 1 Lens	2x Cross Cylinder
	(±0.25; ±0.5)



01. Trial Lens Set 500 mini

Consists of 153 parts with bi-convex lenses. Suitable for all standard trial frames. .

Technical Data:

- ▶ Lenses: Without coating
- ▶ Furnishing: Aluminium tray with removable wooden insert.
- ▶ Measures tray (WxHxD): 565 x 95 x 260 mm
- ▶ Measures insert (WxHxD): 533 x 45 x 250 mm

With plastic rings	SKU. 6230
With metal rings	SKU. 6231
With comfort rings	SKU. 6232

Content

2 Sph. Lenses each	Steps
±0.25 dpt	
up to ±4.0 dpt	0.25 dpt
up to ±5.0 dpt	0.5 dpt
up to ±12.0 dpt	1.0 dpt
2 Cyl. Lenses each	Steps
up to ±2.0 dpt	0.25 dpt
up to ±4.0 dpt	0.5 dpt
Prisms	Special Lenses
0.5 cm/m 2 Lenses	Occluder
1.0 cm/m 1 Lens	Pinhole Disc
2.0 cm/m 1 Lens	Stenopaic Disc
3.0 cm/m 1 Lens	Red Filter
	1 x Cross Hair
	1 x Cross Cylinder (±0.25)

- ▶ **Plastic Rings** Thin mineral lenses
- ▶ **Metal Rings** Wide field of view, easily pluggable, mineral lenses
- ▶ **Comfort Rings** Thin mineral lenses, easily pluggable, axis points towards handle





01. Cross Cylinder

Coated incl. plastic case.
Diameter: 35 mm
Length: 130 mm

±0.25	SKU. 6298.±0,25
±0.50	SKU. 6298.±0,50
±1.00	SKU. 6298.±1,00

Unglazed Handle
SKU. 6299



02. Confirmation Test 2 Lenses

-0.25 (coated)	SKU. 6294.-0,25
+0.25 (coated)	SKU. 6294.+0,25
-0.50 (coated)	SKU. 6294.-0,50
Flipper (45°/135°)	SKU. 6296

Unglazed Handle
SKU. 6297

03. Confirmation Test 4 Lenses

±0.25 (coated)	SKU. 6290.+0,25/-0,25
-0.25/-0.5 (coated)	SKU. 6290.-0,25/-0,50

Flipper (45°/135°)
SKU. 6292

Unglazed Handle
Art. Nr. 6293



04. Luenette

Eyeglass frames for daily use in demonstrating sample glasses.
Material: satined acryl

black	SKU. 6390.100
orange	SKU. 6390.710
red	SKU. 6390.800
frosted	SKU. 6390.150

05. Display for Luenette

Display for five Luenettes. No frames included.

SKU. 6390.display





01. Titmus Test

The Titmus Test tests and evaluates random dot stereo depth perception for both gross stereopsis (2500 to 1200 seconds of arc) and fine depth perception. The figures present on the test cannot be identified without viewing glasses.

Delivery Unit:

- ▶ Stereo fly
- ▶ Graded circle test (800 to 40 seconds of arc)
- ▶ Animal test for children (400 to 100 seconds of arc)
- ▶ One pair of standard 3-D viewers

SKU. 6283



02. Lang Stereotest I/II

The Lang-Stereotest was created to simplify stereopsis screening in children. It is based on two principles: on random dots and on cylinder gratings.

Lang I

Three objects, disparities are calculated at a distance of 40 cm (16 inches):

- ▶ Cat (1200 seconds of arc)
- ▶ Star (600 seconds of arc)
- ▶ Car (550 seconds of arc)

Lang II

Four objects, disparities are calculated at a distance of 40 cm (16 inches):

- ▶ Elephant (600 seconds of arc)
- ▶ Car (400 seconds of arc)
- ▶ Half moon (200 seconds of arc)
- ▶ Star (visible monocular)

In order to call attention to the test we recommend the Lang fixation cubes.

Lang I	SKU. 6277
Lang II	SKU. 6278
Lang I+II Set	SKU. 6279



03. Lang Fixation Cube

To be used for the cover test, the motility test as well as for holding the child's attention for the examination with the Lang Stereo Test I or II.

Each turn of the cube shows a new object which also corresponds to the pictures on the Lang Fixation Stick. The star on the top side and the other prints can also be used for the test of convergence.

Fixation Cube white SKU. 6280.150

Fixation Cube red SKU. 6280.800

04. Lang Fixation Stick

Front: Fixation Test

Back: Examination of accommodations and convergence

Visual Acuity Test at 30 cm 0.2-0.5

SKU. 6281



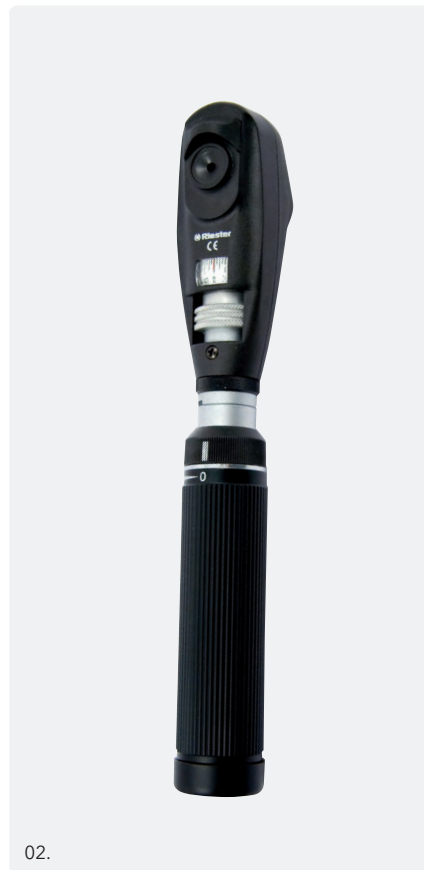
01.

01. Ophthalmoscope

Practical and simple to use and ideal for ophthalmoscopic examinations.

- ▶ Focussing wheel with corrective lenses from 0 to +20 and 0 to -20 dioptres
- ▶ Illuminated dioptré display
- ▶ Built-in eyeglass protector
- ▶ Easy to operate aperture hand-wheel
- ▶ Four different apertures (Fixation star, slit, semicircle, circle)
- ▶ Red open filter with contrast-enhancing effect.
- ▶ Lock against dust entering
- ▶ Screw tap for the attachment of the handle
- ▶ Shock-resistant housing made of glass fiber reinforced plastic.
- ▶ Simple exchange of the lamp at the base of the instrument head
- ▶ Halogen lamp HL 2.5 V
- ▶ Color: black

SKU. 5132.100



02.

02. Retinoscope

Hand unit for objective refraction.

- ▶ Operation with knurled screw
- ▶ Spot image can be turned 360°
- ▶ Angle can be read off the integrated scale
- ▶ Holder for fitting of the fixation card
- ▶ Two fixation cards supplied
- ▶ Integrated eyeglass protection
- ▶ Bayonet fitting for fast and secure attachment to the handle
- ▶ Dust-tight, very sturdy and light casing made of impact resistant plastic
- ▶ Simple exchange of the lamp at the base of the instrument head
- ▶ Halogen lamp HL 2.5 V
- ▶ Battery handle for two Alkaline Batteries 1.5 V, Type C

SKU. 5133



03.

03. Imitative Eye for Retinoscopy

For the training of retinoscopy.

- ▶ Cast-iron stand, inclinable
 - ▶ 3 slots for lenses
 - ▶ Scale fitting available
 - ▶ Adjustable pupil width
 - ▶ Extendable back of the cylindric corpus
 - ▶ Ametropia field from -5.00 to +3.00 dpt
- Measures (WxHxD): 780x120x780 mm

SKU. 8052



01. Heine Ophthalmoscope Beta 200S, with Battery Handle

The ophthalmoscope separates illumination and separation ray which makes the illuminated retina area fully visible.

- ▶ Aspherical optics to avoid cornea and iris reflexes
- ▶ 74 single step design on a non-continuous wheel avoiding extreme diopter jumps (-36D to +38D)
- ▶ Metal steel structure of the optical components
- ▶ 7 field diaphragms for examination of the retina
- ▶ Connectible Interference-redfree-filter for contrast enhancing illustration
- ▶ XHL Xenon Halogen bulb with bright illumination and authentic colour rendering
- ▶ Dust-tight housing
- ▶ Recessed, multi-coated viewing window
- ▶ With battery handle and spare lamp
- ▶ Delivery in hard case
- ▶ Halogen lamp 2.5 V

SKU. 5189



02. Heine Retinoscope Beta 200, with Battery Handle

The retinoscope makes clear and sharp pictures and a light fundus reflex possible.

- ▶ ParaStop for easy adjustment of the parallel optical path
- ▶ Multi-coated optics
- ▶ Integrated polarisation filter eliminates stray light and internal reflexes
- ▶ Single control for vergence and rotation
- ▶ XHL Xenon Halogen Technology for a bright, white light
- ▶ High-quality metal controls
- ▶ Dust-tight construction
- ▶ Holder for fixation cards
- ▶ With battery handle and spare lamp
- ▶ Delivery in hard case
- ▶ Halogen lamp 2.5 V

SKU. 5192

03. Fixation Card with Holder

For dynamic Retinoscopy. Suitable for the Heine Retinoscope Beta 200.

SKU. 5192.1



03.



04.



05.

04. Heine Ophthal Set Beta 200/200S, with Battery Handle

Consists of 01. Beta 200S Ophthalmoscope and 02. Beta 200 Retinoscope.

Included in Delivery Unit:

1 spare lamp each, hard case, one battery handle for both attachments.

- ▶ Halogen lamp 2.5 V

SKU. 5191

05. Heine Ophthal Set Beta 200/200S, with Li-Ion Battery

Consists of 01. Beta 200S Ophthalmoscope and 02. Beta 200 Retinoscope, though with Li-Ion battery.

Included in Delivery Unit:

1 spare lamp each, hard case, battery charger, 1 handle with Li-Ion battery each.

- ▶ Halogen lamp 2.5 V

SKU. 5190



01. LEA Near Vision Test

40 cm with cord

- ▶ For testing of the near vision
- ▶ Well suited to familiarise children with the testing situation
- ▶ One side with proportional Optotypes
- ▶ Backside 50%-25% optotype distance
- ▶ Visual acuity steps 0.05-2.0
- ▶ Answer key on the test card
- ▶ Flash cards
- ▶ Instructions

Measures (WxH): 203x254 mm

SKU. 6287

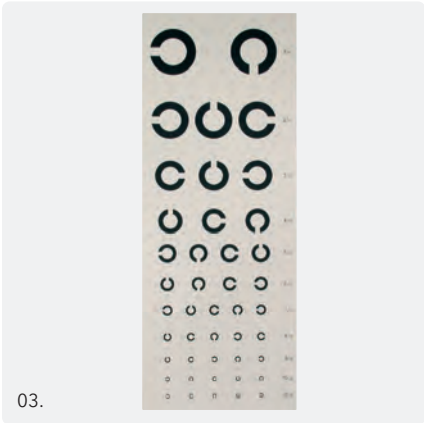


02. Optotype Letter

- ▶ White table made of plastic
 - ▶ 10 rows for visual acuity 0.1-1.0
 - ▶ Washable and rollable
- Measures (WxHxD): 750x260x1 mm

Distance 3 m SKU. 6262.3

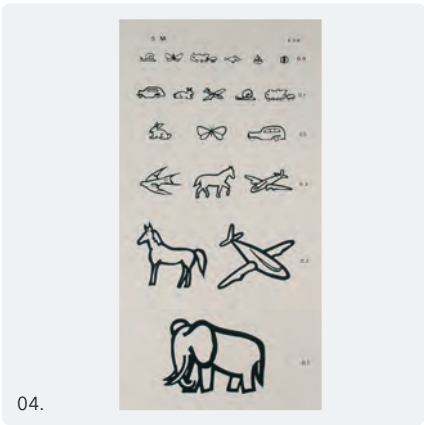
Distance 5 m SKU. 6262.5



03. Optotype Landolt Rings

- ▶ White table made of plastic
 - ▶ Made for a distance of 5 m
 - ▶ 11 rows for visual acuity 0.1-1.0
 - ▶ Washable and rollable
- Measures (WxHxD): 750x260x1 mm

SKU. 6263



04. Optotype for Children

Optotype with simple symbols for children.

- ▶ White table made of plastic
 - ▶ Made for a distance of 5 and 6 m
 - ▶ 10 rows for visual acuity 0.125-1.0
 - ▶ Washable and rollable
- Measures (WxHxD): 490x290x1 mm

SKU. 6671



01.

01. Ishihara Test

For identification of red-green or blue-yellow color deficiencies.

- ▶ Original from Japan
- ▶ Bound book
- ▶ Book size: 148x210 mm

14 Ishihara Plates	SKU. 8044.14
24 Ishihara Plates	SKU. 8044.24
38 Ishihara Plates	SKU. 8044.38
Ishihara Plates Illiterates	SKU. 8045



02.

02. Farnsworth Color Test Panel

Quick screening test for differentiation between mild and pronounced colour vision defects.
Delivery unit: 1 woden box, 16 color chips, evaluation forms

SKU. 5561

03. Farnsworth Color Test Panel Desaturated (without fig.)

Like 01., though with desaturated colors.

SKU. 5562

MACHINES & DEVICES

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Hand Edge Grinders



01. WECO Smooth I Hand Edge Grinder

Traditional manual grinding machine with one grinding disc that offer the advantages of two discs.

- ▶ Integrated easily accessible cooling system
- ▶ Stable die-cast housing

Power supply: 220-230 V

Engine Power: 100 W

Measures (WxHxD): 240x260-275x400 mm

Weight: 16 kg

SKU. 5337

02. Sponge small, long, WECO Smooth (without fig.)

Measures (WxHxD): 140x40x15 mm

SKU. 5337.2

03. Sponge thick, short, WECO Smooth (without fig.)

Measures (WxHxD): 100x75x30 mm

SKU. 5337.3



04. Diaschliff 500 Hand Edge Grinder

The grinding wheel is always supplied with fresh water from the water basin. You can also use the included tube for the water supply.

- ▶ Powerful and durable engine
- ▶ Extra-wide wheel with borders on both sides
- ▶ Wheel coating: 5 mm diamond fine, groove on the left side
- ▶ Width wheel: 35 mm
- ▶ Diameter wheel: 100 mm
- ▶ Inner diameter wave: 14 mm
- ▶ Water capacity: 1.3 liters

Power supply: 220 V

Measures (WxHxD): 210x280x350 mm

Weight: 8 kg

SKU. 5215

05. Sharpening Stone for Hand Edge Grinders

Grain size 120 (green) SKU. 8054.120

Grain size 240 (light green)

SKU. 8054.240



01. Diaschliff 500S Hand Edge Grinder

The built-in sensor enables an automatic turning on and off of the device. During operation the integrated pump provides the diamond grinding wheel with water. The motor is powerful and durable.

- ▶ Wheel coating: 5 mm diamond fine, groove on the left side
- ▶ Width wheel: 35 mm
- ▶ Diameter wheel: 100 mm
- ▶ Inner diameter wave: 14 mm
- ▶ Water capacity: 1.3 liters

Power supply: 200–240 V, 100 W

Measures (WxHxD): 210x220x360 mm

Weight: 8 kg

SKU. 5285

Frame Heaters

Included:







anthracite-metallic silver-metallic

white gold

ruby blood orange

pearlescent green

Color overview Passat 01.-02.

01. Passat 15 Frame Heater

The temperature is fixed. The powerful heating coil is responsible for the very fast heating of frames (less than 30 sec. until the softening temperature of thermoplastic is reached).

- anthracite-metallic SKU. 5235.101.15
- silver-metallic SKU. 5235.004.15
- ruby SKU. 5235.815.15
- blood orange SKU. 5235.712.15
- white SKU. 5235.150.15
- gold SKU. 5235.003.15
- pearlescent green SKU. 5235.501.15

02. Passat 22 Frame Heater

Like 01., though with adjustable temperature from 75 °C to 180 °C. The selected temperatur is kept electronically on its value (only +/- 5°C deviation).

Delivery complete with point heater nozzle.

- anthracite-metallic SKU. 5235.101.22
- silver-metallic SKU. 5235.004.22
- ruby SKU. 5235.815.22
- blood orange SKU. 5235.712.22
- white SKU. 5235.150.22
- gold SKU. 5235.003.22
- pearlescent green SKU. 5235.501.22

Technical Data
Power supply: 240 V
Heating power: 250 W
Temperature: 180 °C
Measures with pot (WxHxD): 100x225x 150 mm
Weight: 1,8 kg

03. Pot for Passat 15 and 22 (without fig.)

Measures (WxHxD): 90x75x 105 mm
Weight: 0.14 kg

SKU. 5235.3

04. Heater Nozzle for Passat 15 and 22 (without fig.)

Diameter: 73 mm
Height: 65 mm
Diameter Nozzle: 10 mm

SKU. 5235.punkterwärmer

05. Cover for Passat 15 and 22 (without fig.)

SKU. 5235.4

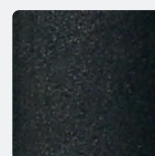
Included:



01.



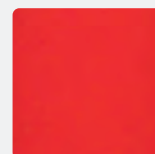
02.



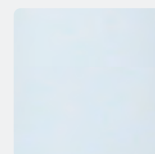
anthracite-metallic



silver-metallic



ruby



white

Color overview Passat 01.-02.

01. Passat 25 Frame Heater

The temperature is adjusted to max. 280° C.

anthracite-metallic SKU. 5483.101.25

silver-metallic SKU. 5483.004.25

ruby SKU. 5483.815.25

white SKU. 5483.150.25

02. Passat 32 Frame Heater

The temperature is adjustable in 10°-C-steps from 80° C to 280° C. After three hours permanent operation the device automatically turns off. By pressing the knob the 3-minute-cooling-program can be started.

Delivery complete with point heater nozzle.

anthracite-metallic SKU. 5483.101.32

silver-metallic SKU. 5483.004.32

ruby SKU. 5483.815.32

white SKU. 5483.150.32

Technical Data

Power supply: 230 V

Heating power: max. 220 W

Temperature: 190 °C

Measures with pot (WxHxD): 190x265x 190 mm

Weight: 1,7 kg



03.

03. Pot for Passat 25 and 32

SKU. 5483.1

04. Cover for Passat 25 and 32 (without fig.)

SKU. 5483.2

Frame Heaters



01. Passat 13 Frame Heater

- For warm and cool breezes
- Temperature adjustable from 75°C to 180°C
- The selected temperature is kept electronically on its value (only +/- 5°C deviation)
- The powerful heating coil is responsible for the very fast heating of frames (less than 30 sec. until the softening temperature of thermoplastic is reached)

Technical Data:

Power supply: 240 V
Heating power: max. 300 W
Measures with heating pot (WxHxD): 180x280x130 mm
Weight: 2.0 kg
Delivery complete with point heater nozzle.

Passat 13S (silver) SKU. 5317

Passat 13 (white) SKU. 5278



02. Venti 500 Frame Heater

The cover is made of a special plastic, that won't melt or blister also it is used over a longer period. The temperature is fixed.

Technical Data:

Temperature:
▸ with closed cover 170 °C
▸ with open cover 140 °C
Power supply: 230 V
Color: white
Weight: 1.5 kg
Delivery complete with point heater nozzle.

Upright Version

Measures (WxHxD): 120x270x120 mm
SKU. 5293

Horizontal Version

Measures (WxHxD): 100x100x270 mm
SKU. 5294

03. Heater Nozzle for Venti 500
(without fig.)

For both upright and horizontal version.
Diameter: 75 mm
Diameter nozzle: 24 mm
Height: 55 mm

SKU. 5293.punkterwärmer



01.

01. MAGA'S Frame Heater

Frame heater for the mounting of lenses.

It produces an equal flow of air from both sides and so reduces the danger of burning the frame. This is due to the frame being warmed quick and equally allover. The machine is equipped with a temperature regulator and control switches for hot and cold.

Technische Daten:

Power supply: 230 V

Power: 1500 W

Measures (WxHxD): 135x150x300 mm

Weight: 3.0 kg

Delivery complete with airflow director

SKU. 5295

Frame Heaters



01. FATA+ Frame Heater

The plastic cover of this frame heater doesn't melt or blister, even after longer use. The thoughtful air circulation prevents an overheating of the device. The temperature is infinitely adjustable, even cold air is possible.

Technical Data:

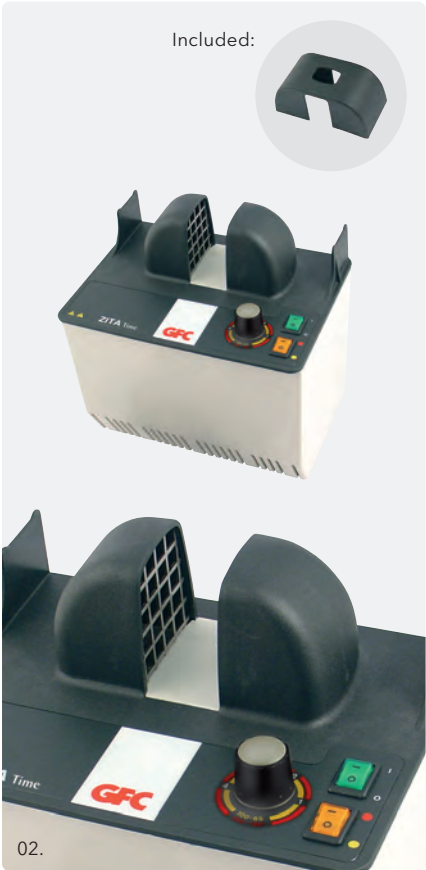
Power supply: 230 V
Heating power: 350 W
Temperature: adjustable up to 160 °C
Temperature with heater nozzle: up to 190 °C
Measures (WxHxD): 120x270x120 mm
Weight: 1.5 kg
Delivery complete with point heater nozzle.

Upright Version FATA+ up

black SKU. 5206.100
white SKU. 5206.150

Horizontal Version FATA+ (without fig.)

black SKU. 5526.100
white SKU. 5526.150



02. ZITA PLUS Frame Heater

Hot air frame warmer that is particularly suitable for the workshop. You can choose between two defined temperatures (60°C/100°C-110°C/150°C) but additionally it provides an electronic heating regulator. The airflow director is included.

- ▶ Built-in device
- ▶ Temperature infinitely adjustable

Technical Data:

Power supply: 230 V
Power: 900 W
Measures (WxHxD): 200x213x144 mm
Weight: 1.5 kg

SKU. 5297

03. ZITA BASE Frame Heater
(without fig.)

Like 02., though without heating regulator.

SKU. 5257



01.



02.



03.

01. Elmasonic S 10 Ultrasonic Cleaner

Improved cleaning performance with Sweep-function guarantees an optimum sound field distribution in the cleaning bath due to a modulation of the frequencies. Degas function allows a quicker and efficient degassing of the cleaning liquid.

Technical Data:

- ▶ Stainless steel tray
- ▶ Plastic cover
- ▶ Frequency: 37 kHz
- ▶ Power supply: 220 V
- ▶ Power: 30 W

Capacity: 800 ml

External measures (WxHxD):

206 x 116 x 178 mm

Internal measures (WxHxD): 190 x 85 x 60 mm

Weight: 2.0 kg

SKU. 5262

02. RK 31 Ultrasonic Cleaner

Ultrasonic bath made of stainless steel.

Technical Data:

- ▶ Timer with 1-15 min or continuous operation
- ▶ PZT-broad beam oscillating system
- ▶ Frequency: 35 kHz
- ▶ Power: 42 W
- ▶ Capacity: 900 ml

External measures (WxHxD):

205 x 170 x 100 mm

Internal measures (WxHxD): 190 x 85 x 60 mm

SKU. 5244

03. Stainless Steel Basket

Stainless steel basket for cleaning small parts in ultrasonic cleaner.

Diameter: 65 mm

SKU. 8030



NEW



01. Ultrasonic Cleaner ULTRA 3000H

Ultrasonic waves that create millions of small bubbles. Those tiny bubbles achieve incredible cleaning results. The Sweep-function guarantees an optimum sound field distribution in the cleaning bath. Degas function allows a quicker and efficient degassing of the cleaning liquid. The outlet tap allows a convenient change of the cleaning liquid. With connectible heating function.

Delivery including stainless steel basket, cover and drain hose.

SKU. 5664

- Time control
- Temperature adjustable up to 80 °C
- Capacity 2.2 liters
- Ultrasonic power 240 W
- Heating power 150 W
- Swinger 2x80 W
- Power supply 230 V/50 Hz
- Frequency 37 kHz

Internal measures (WxHxD):

240 x 140 x 100 mm

External measures (WxHxD):

265 x 165 x 225 mm

Measures basket (WxHxD):

220 x 120 x 85 mm

Weight: 3.2 kg

NEW



01.

01. Ultrasonic Cleaner ULTRA 2200H

Ultrasonic waves that create millions of small bubbles. Those tiny bubbles achieve incredible cleaning results. With connectible heating function. Delivery including stainless steel basket and cover.

- ▶ Time control
- ▶ Temperature adjustable up to 80 °C
- ▶ Capacity 1.4 liters
- ▶ Ultrasonic power 120 W
- ▶ Heating power 150 W
- ▶ Swinger 1x60 W
- ▶ Power supply 230 V/50 Hz
- ▶ Frequency 40 kHz

Internal measures (WxHxD):

240x140x65 mm

External measures (WxHxD):

265x170x225 mm

Measures basket (WxHxD):

220x120x50 mm

SKU. 5663

NEW



02.

02. Ultrasonic Cleaner ULTRA 800H

Ultrasonic waves that create millions of small bubbles. Those tiny bubbles achieve incredible cleaning results. With connectible heating function. Delivery including stainless steel basket and cover.

- ▶ Time control
- ▶ Temperature adjustable up to 80 °C
- ▶ Capacity 0.7 liters
- ▶ Ultrasonic power 60 W
- ▶ Heating power 120 W
- ▶ Swinger 1x60 W
- ▶ Power supply 230 V/50 Hz
- ▶ Frequency 40 kHz

Internal measures (WxHxD):

180x90x50 mm

External measures (WxHxD):

200x110x160 mm

Measures basket (WxHxD): 170x75x40 mm

SKU. 5662

NEW



03.

03. Ultrasonic Cleaner ULTRA 500

Ultrasonic waves that create millions of small bubbles. Those tiny bubbles achieve incredible cleaning results. Delivery including stainless steel basket and cover.

- ▶ Time control
- ▶ Capacity 0.5 liters
- ▶ Ultrasonic power 60 W
- ▶ Swinger 1x60 W
- ▶ Power supply 230 V/50 Hz
- ▶ Frequency 40 kHz

Internal measures (WxHxD):

150x85x65 mm

External measures (WxHxD):

175x110x175 mm

Measures basket (WxHxD):

140x70x50 mm

SKU. 5661



01.



02.



01. Strain Tester

There is no heat generation because of the excessively low-current illuminant (fluorescent lamp) so it can be used over a longer period without problems. The instrument can be tilted by an adjustable base which makes the handling more convenient.

Technical Data:

Fuse: 0,25 A

Power supply: 230 V

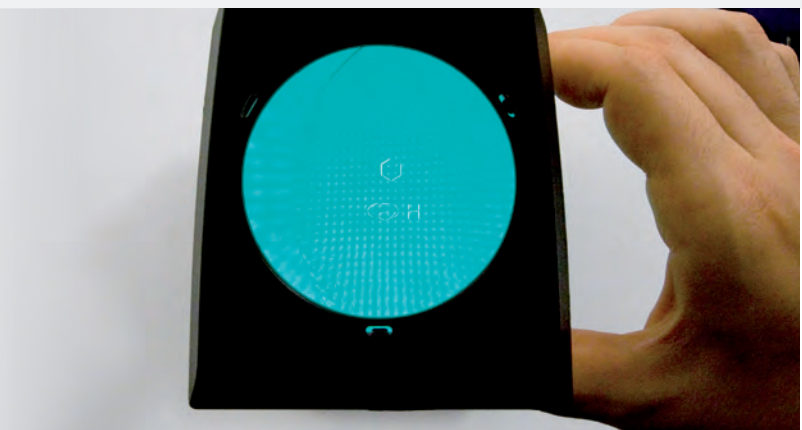
Power: 6 W

Measures (WxHxD): 135x170x150 mm

Weight: 1.2 kg



SKU. 5320



02. Progressive Lens Mark Reader

There is no heat generation because of the excessively low-current illuminant (fluorescent lamp) so it can be used over a longer period without problems. The instrument can be tilted by an adjustable base which makes the handling more convenient.

Technical Data:

Sicherung: 0,25 A

Power supply: 230 V

Power: 6 W

Measures (WxHxD): 135x280x150 mm

Weight: 1.2 kg



SKU. 5321



01. SunTest 2 UV-Lamp and Testing Unit

UV-lamp, to darken photochromic lenses. Optional with UV-block.

Power supply: 230 V

Measures (WxHxD): 200x140x120 mm

Weight: 1.75 kg

SKU. 5224



01. Hydrojet 750 Hydrozone Soldering Machine

The HYDROJET 750 is a self-contained, electrolytic gas soldering-/ welding unit with a gas output of 750 ml/min. By splitting distilled water into hydrogen and oxygen, oxyhydrogen gas is produced, which burns in the torch flame to reach temperatures of up to 3200°C. Since temperatures this high are only needed when working with platinum, the flame temperature is reduced to 2400°C by mixing a flux fluid vapor (from the booster tank) into the gas. The flux also helps to reduce oxide build up when soldering, which when combined with the finely adjustable flame, ensures ideal working conditions for all types of soldering applications. Once filled with electrolyte, which only needs to be renewed about every 8 to 12 months, the unit consumes only distilled water and flux fluid during regular operation.

This unit is the result of years of development work and a proven safety concept:

- ▶ 2 flashback arresters in the hand-held torch unit
- ▶ A safety pressure limiter that interrupts both lines of the power supply to shut the unit down on failure of the pressure switch
- ▶ The working pressure of the unit ranges from 0.18 to 0.20 bar.
- ▶ The unit produces only as much gas as consumed by the torch flame except for very small amounts that are still in the generator and tubing

anthracite	SKU. 5203.204
white	SKU. 5203.150

Technical Data:

- ▶ Generator tank capacity: 0.8 l electrolyte
- ▶ Booster tank capacity: 0.1 l flux fluid
- ▶ Fill level indicators: generator float, booster float
- ▶ Gas yield: 750 ml/min
- ▶ Largest nozzle size: 20 G
- ▶ Number of torches working at the same time: 1
- ▶ Rated power: 200 VA
- ▶ Max. operating pressure: 0.2 bar
- ▶ Distilled water consumption: 16 g/h
- ▶ Flux fluid consumption: 6 g/h
- ▶ Overpressure protection: safety pressure limiter
- ▶ Overheating protection: thermostat switch
- ▶ Power supply: 230 V

Measures (WxHxD): 450x280x220 mm
Weight when ready for operation: 14 kg

Delivery unit:

- ▶ Hydrojet 750 Hydrozone Soldering Machine
- ▶ Hand-held torch unit
- ▶ Stand for hand-held torch unit
- ▶ 4 torch tips
- ▶ Funnel
- ▶ Fill level float
- ▶ Cleaning syringe
- ▶ Elektrolyte
- ▶ Flux



01. Microtorch II plus, Bottle Soldering Machine

Reliable technique for those who don't solder on a daily basis. Well-priced, space-saving soldering unit with a powerful flame. After setting the gas and oxygen-supply once, all you have to do when using the unit the next time is to turn the rotary knob and you will be able to solder with the same intensity. This means fast and convenient working without numerous interruptions.

Depending on the size of the nozzle and the setting it can be soldered for many hours.

Measures (WxHxD): 315x350x75 mm

Weight: 3.0 kg

Delivery unit:

- ▶ 1 Microtorch II plus, Bottle Soldering Machine
- ▶ 1 distributor
- ▶ 1 hand-held torch with gas tube
- ▶ 2 oxygen cartridges
- ▶ 1 gas cartridge
- ▶ 1 holder for hand-held torch
- ▶ 6 nozzles (2x 6/10, 2x 8/10, 10/10, 12/10)

SKU. 8307



02. Gas Cartridge

Gas cartridge for soldering machines with lighter gas.

223 g Gas (82% butane, 18% propane)

Content: 400 ml

SKU. 8201



03. Eco Bottle Soldering Machine

Established technology for all those who do not solder on a daily basis. Our space saving soldering machine with the powerful flame is a favourable purchase. Depending on the soldering tip size and adjustment, soldering up to many hours is possible.

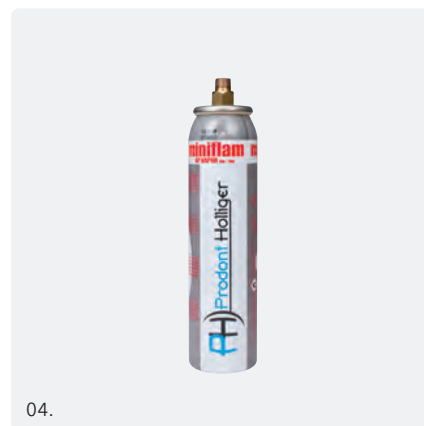
Measures (WxHxD): 95x150x95 mm

Weight: 2.5 kg

Delivery unit:

- ▶ 1 mixer incl. gas port
- ▶ 1 oxygen port incl. controller
- ▶ 1 connecting tube
- ▶ 1 oxygen bottle
- ▶ 1 gas bottle
- ▶ 2 soldering tips (10/10; 12/10)

SKU. 8308



04. Gas Cartridge for Bottle Soldering Machines

Gas cartridge for soldering machines with screw thread connection.

40 g Gas (82% butane, 18% propane), not liquid

Content: 70 ml

SKU. 8202



05. Oxygen Cartridge

Oxygen cartridge for bottle soldering machines, 10 bar.

(13 g) oxygen, not liquid

Content: 1.0 l

SKU. 8291

Drilling Machines



01. LessStress Premium Plus

LessStress drills and notches every lens precisely according to a demo lens or technical drawing (0.05 mm on both axis with digital display). You can process a rimless job immediately after the sale - by copying the angles and distances of the demo lenses, the frame will fit.

Even changes in size and shape are easily done - with LessStress, drilling is as easy as grooving!

- ▶ Notching and milling
- ▶ Drill hole can be marked even in case of changes in shape and size
- ▶ Swivelling work table
- ▶ Processing of a wide variety of lenses
- ▶ Drilling and milling of different materials with different speed, e.g. for polycarbonate lenses
- ▶ Working with blocked lenses
- ▶ Digital display of x- and y-axis
- ▶ Three different engine speeds
- ▶ Both-way swiveling possibility
- ▶ Swiveling possibility of the cross table
- ▶ Fixation possibility of the drill
- ▶ LED-lighting for scale and working table

Measures: (WxHxD): 195x250x280 mm

Weight: 3.6 kg

Delivery unit:

- ▶ 1 LessStress Premium Drilling Machine
- ▶ 1 magnifier for exact positioning
- ▶ 1 power supply
- ▶ 2 standard mounting stages
- ▶ 10 hard metal drills, original "ChiliDrill"
- ▶ 1 Drill bit holding block
- ▶ 1 screw driver
- ▶ 1 Collet with chucks
- ▶ 4 PVC-pads
- ▶ 2 PVC-strips
- ▶ 6 lens clamps for blocked lenses
- ▶ 2 clamping straps for blocked lenses
- ▶ 1 Y-zero gauge
- ▶ 2 transmission belts
- ▶ 2 plastic rods
- ▶ Manual
- ▶ 36 months warranty for all mechanical parts on the unit
- ▶ 12 months warranty for all electrical parts on the unit

SKU. 5351



01.



03.



05.



02.



04.



06.

01. Lens Mounting Stage LessStress

For blocked lenses.

Delivery unit: 1 mounting stage, 24 adapters

SKU. 5351.Arbeitsplatte

02. Standard Lens Mounting Stage with Accessories LessStress

Delivery unit:

- ▶ 1 mounting stage incl. paper backing and PVC-pad
- ▶ 2 PVC-bridges
- ▶ 2 hold-down clamps
- ▶ 2 knurled knobs

SKU. 5351.4

03. Screw Extractor LessStress

Helpful when drilling borken-off screws.

SKU. 5351.Ausbohrhilfe

04. Magnifier LessStress

3x zoom

SKU. 5351.Lupe

05. Hold-Down Clamps LessStress

For clamping of lenses.

Delivery unit: 2 pcs.

SKU. 5351.1

06. PVC-Bridge for Standard Lens Mounting Stage LessStress

For the additional fixation of lenses

Delivery unit: 4 pcs.

SKU. 5351.3

07. PVC-Pad with Paper Backing LessStress (without fig.)

Delivery unit:

- ▶ 2 paper backings
- ▶ 2 PVC-pads

SKU. 5351.2

08. Hammer Pen LessStress (without fig.)

Delivery unit: 2 pcs.

SKU. 5351.7

09. Vice for LessStress (without fig.)

90° swivelling

Jaw width: 50 mm

Jaw height: 12 mm

Max. span: 31 mm

SKU. 5351.13

10. Milled Stop Flaps LessStress (without fig.)

Delivery unit: 2 pcs.

SKU. 5351.12

11. PVC-Strips LessStress (without fig.)

Measures (WxH): 10x40 mm

Delivery unit: 10 pcs.

SKU. 5351.10

Drilling Machines



Included:



Collet



Drill chuck



01. XENOX Table Drilling Machine

- ▶ Speed adjustable via belt drive
- ▶ Heightadjustable drilling unit, lever with depth scale and adjustable depth stop
- ▶ Outreach (Column inside to drill chuck middle): 140 mm
- ▶ Max. distance table surface-spindle end: 140 mm
- ▶ Pinhole feed: 30 mm
- ▶ Idle speed spindles: 1.800/4.700/8.500 U/min (drive belt gear ratio)
- ▶ Noise: max. 70 dB (A)

Delivery unit:

- ▶ Collets for 1,0/1,5/2,0/2,4/3,0/3,2 mm
- ▶ Drill chuck, retaining pin, drill chuck key

Technical Data:

- ▶ Power supply: 230 V
 - ▶ Power: 85 W
- Measures (WxHxD): 360x230x130 mm
Weight: 3.7 kg

SKU. 5210



01.



02.

01. Lens Drilling Table

Mountable at table drilling machines.

Measures (WxHxD): 90x145x55 mm

Weight: 190 g

SKU. 5287

02. Machine-Vice for Table Drilling Machine

Jaw width: 50 mm

Jaw height: 10 mm

Max. span width: 34 mm

SKU. 5284



03.

03. XENOX Hand Drilling Machine

A small and sleek designed hand drill to be used for drilling rimless lenses, drilling out screws, frame polishing, removing excess solder, etc.

Technical Data:

- ▶ Spindle: 20 mm
- ▶ Engine speed: 5.000 to 20.000 rpm
- ▶ Noise: max. 70 dB (A)
- ▶ Voltage: 12 bis 18 V
- ▶ Power: 40 W

Measures device (WxHxD): 210x33x33 mm

Measures case (WxHxD): 350x80x220 mm

Weight device: 0.23 kg

Weight with: 2.5 kg

Delivery unit:

- ▶ Collets 1,0/1,5/2,0/2,4/3,0/3,2 mm
- ▶ Drill chuck
- ▶ Transformer
- ▶ Open-end spanner
- ▶ Slip protection
- ▶ Threaded ring
- ▶ Case

SKU. 5205

Lens Groovers

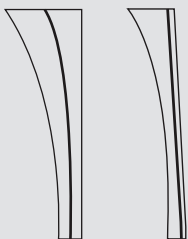


Included:

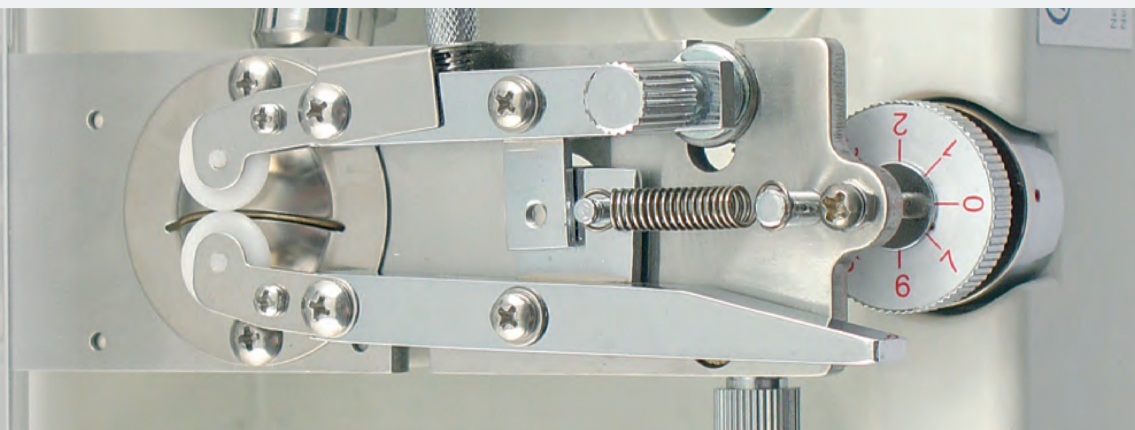


Adapter set
small

01.



centred, front-curve



01. Lens Groover 500S, white

The Lens Groover 500 S is an easy to use groover for any lab or retail location. The auto groover features two precision grooving options: center and front-curve grooving. The depth and location of the groove can be easily and accurately adjusted. The groover is designed to work on plastic and polycarbonate lenses.

Delivery unit:

Lens Groover 500S, white incl. adapter for small lenses and half-eye frames.

Art.Nr. 5289

Technical Data:

- ▶ Possible Depth of Groove: 0 to 0.7 mm
- ▶ Width of Groove 0.55mm (conversion kit to 1.05 mm available)
- ▶ Acceptable lens thickness: 1.5 mm to 11.0 mm
- ▶ Acceptable Lens Diameter 28 mm to 70 mm
- ▶ Approximate grooving time: 60 sec (depending on lens material and depth of groove).
- ▶ Power supply: 200-240 V
- ▶ Power: 95 W
- Measures (WxHxD): 170x150x210 mm
- Weight: 2.7 kg

02. Rubber Grips for Adapter Set (without fig.)

Delivery unit: 1 pair

big SKU. 5212.puffer

small SKU. 5212.puffer.klein



01.



03.



05.



02.



04. Lux I Polishing Machine



06.

01. Mini Polishing Machine

Strong and compact. Quiet and calm despite high infinitely adjustable speed.

Technical Data:

- ▶ 1/6 hp, high torque, permanent magnet motor with a 7.9 mm shaft diameter.
- ▶ Engine speed range: 1,800–7,000 rpm
- ▶ precision machined, tapered spindles for holding buffs and wheels.

Power supply: 230 V

Power: 200 W

Measures (WxH): 330x130 mm

Weight: 3.4 kg

SKU. 5316

02. Impact Protector for Mini Polishing Machine

Protects from dirt. Easy installation.

SKU. 5316.schlagschutz

03. Drill Chuck

Set for the Mini Polishing Machine. The drill chuck is being placed at the place of the right spindle.

SKU. 5316.bohrfutter

04. Lux I and Lux II Polishing Machine

This small practical polishing machine motor comes with 2 polishing tips and a mounting spindle. It has a speed setting of 2800 rpm.

The unit comes with rubber feet support or can be bolted to a workbench.

Technical Data:

- ▶ Running direction: downwards
- ▶ Engine speed: 2800 rpm
- Power supply: 230 V
- Power: 300 W
- Measures (WxHxD): 250x300x150 mm
- Weight: 5.5 kg

Lux I SKU. 5291

Lux II SKU. 5292

05. Impact Protector for Lux Polishing Machine

Dirt protection for the polishing machines Lux I and Lux II. Easy installation

Impact protector left

SKU. 5291.schlagschutzL

Impact protector right

SKU. 5291.schlagschutzR

06. Universal Impact Protector

2 in 1: Impact protector and dirt trap.

Measures (WxHxD): 320x270x220 mm

Weight: 2.75 kg

SKU. 8029

Rivetting Machines



01. Clavulus

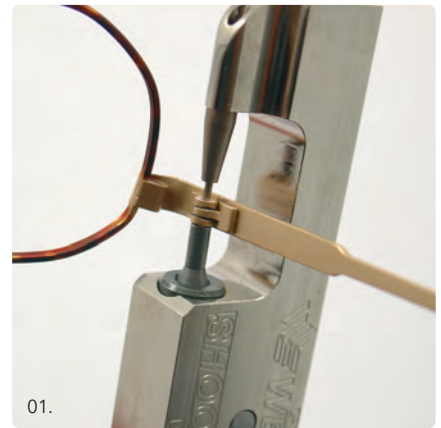
The optician's workshop would not be complete without this. It can be used for flaring, riveting, punching out screws, and much more. It comes complete with all 19 tools mounted on a wooden base in which the tools can be placed so that they are always at hand. Recommended is also the slotted anvil.

All parts are separately available.

Measures (WxHxD): 190x160x200 mm

Weight: 2.7 kg

SKU. 6304



01. Shootout Clavulus

The tool that saves you time six ways:
punches out hinge and eyewire screws,
replaces the hinge screw with a QuikFix
rivet, re-establishes a screwdriver slot in a
damaged screw head, and flares or peens
the screw end.

All heads are available separately.

Delivery unit:

6 different heads

- ▶ 3 hole punchers for rivets in 3 sizes
- ▶ 3 hole anvils in different diameters

SKU. 6302





SHOP FURNISHING

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01. Wall Column MINO

The slim columns can easily be mounted on a wall. With MINO you can extend your presentation space fast and affordable. For side by side mounting we recommend a distance of 210-250 mm.

Material: Anodized aluminium, glass fiber reinforced polycarbonate

Closing	Version	Measures (HxWxD)	SKU
open	for 13 Frames	1.050x180x180 mm	8727.13
	for 16 Frames	1.260x180x180 mm	8727.16
	for 19 Frames	1.470x180x180 mm	8727.19
lockable with turning lock	for 12 Frames	1.050x180x180 mm	8728.12
	for 15 Frames	1.260x180x180 mm	8728.15
	for 18 Frames	1.470x180x180 mm	8728.18



02. Logo holder

Logo holder for mounting on the MINO wall displays for individual promotion.

Measures (WxH): 100x55 mm

SKU. 8732





01.

01. Lockable Wall Column Eco

Frame holder for up to 16 frames for on-wall fixation. This lockable system protects frames from theft and falling down. Easy installation for a fast setup.

For 16 frames

Height: 125 cm

SKU. 7744

For 20 frames

Height: 175 cm

SKU. 7743



02.

02. Mirror for Wall Column Eco

The mirror with a movable gooseneck can easily be put on the wall display and mounted with a grub screw.

Diameter: 160 mm

Thickness: ca. 4 mm

Weight: 900 g

SKU. 7746



01.



03.



05.



02.



04.

01. Display Plane for 3 Frames

Present up to three frames. The foot is made of glossy acrylic.

Measures (WxHxD): 180x233x170 mm

SKU. 7705

02. Display Curve for 6 Frames

Display made of light translucent polypropylene in brilliant colours. Present up to six frames.

Measures (WxHxD): 180x450x160 mm

white SKU. 7736.150

grey SKU. 7736.200

03. Display Cone

Simple and geometric way of presenting frames. Less often more.

SKU. 7800

04. Display Gamma, Cube

This type of display stand is always equipped with a geometric end piece that provides the needed stability for your presentation purposes.

Color: frosty transparent

SKU. 7702.150

05. Frame Holder Dotten

Acrylic display in retro design for 3 frames.

Material: Acryl glass

Color: Shelves in glossy white, base plate in glossy black.

Measures (WxHxD): 325x520x200 mm

SKU. 7516

06. Price Tags

For an easy labling of frames or spectacle chains with these tags.

Vormontiert mit weißen Fäden.

Material: White cardboard

Delivery unit: 100 pcs.

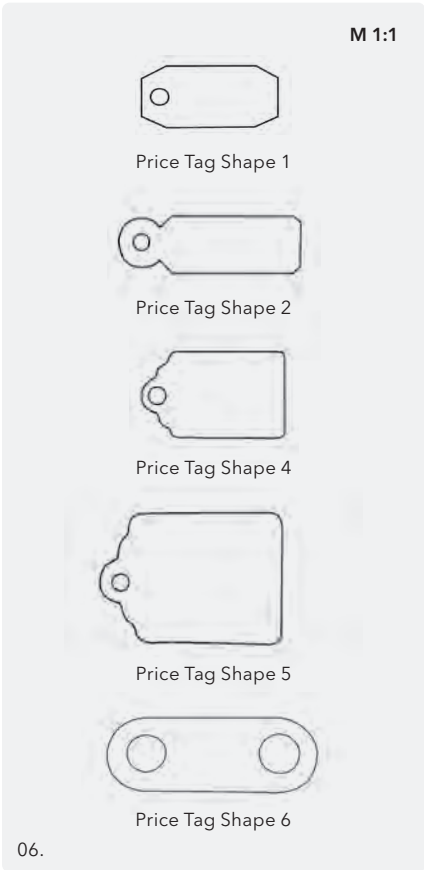
Shape 1 Cardboard Price Tag SKU. 8294

Shape 2 Cardboard Price Tag SKU. 8296

Shape 4 Cardboard Price Tag SKU. 8297

Shape 5 Cardboard Price Tag SKU. 8298

Shape 6 Cardboard Price Tag SKU. 8293



06.



01.

01. PERFORMER TTR Frame Display

Table display for 3 frames.

Delivery without frames.

Measures (LxWxD): 240x345x110 mm

SKU. 8724



02.

02. PERFORMER TTR Mirror

Measures (WxHxD): 270x267x115 mm

SKU. 8723

Mirrors



01. Mirror Clear

Elegant both-sided hand mirror with stand.

One side with magnification (2x). The mirror is made of aluminium and steel, powder-coated, handle in brushed stainless steel.

Measures (WxHxD): 315x185x140 mm

SKU. 7495



01.



03.



05.



02.



04.



06.

01. Mirror Take Two

Round both-sided hand and table mirror with stand. One side with magnification (2x).

Measures (WxHxD): 180x330x180 mm

SKU. 7496

02. Mirror Stativ

The two mirrors are adjustable in their height. It is also possible to set a customer friendly inclination angle. The lower mirror has a triple augmentation which makes it especially useful for contact lens fittings.

Diameter upper mirror: 195 mm

Diameter lower mirror: 175 mm

Measures (WxHxD): 210x490x210 mm

SKU. 7725

03. Mirror Slope

This stylish hand- and table mirror serves as an eye-catcher for your customers and offers you more space for your working area. The silver pedestal made of MDF material is always very chic and handy.

Measures (WxH): 140x290 mm

SKU. 7804.004

04. Mirror Salto

This table mirror is pivoted and made of polished stainless steel.

Measures (WxH): 170x400 mm

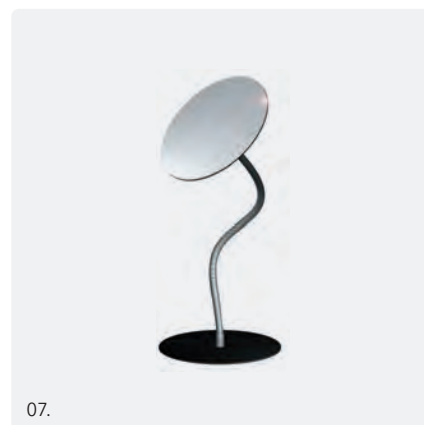
SKU. 7709.004

05. Mirror Shape

Elegant table mirror in fancy shape. The stand of this pivoted mirror is made of satin stainless steel.

Measures (WxHxD): 155x410x155 mm

SKU. 8700



07.

06. Mirror Pure

Simple shapely mirror with a 25° inclination.

Measures (WxHxD): 210x270x105 mm

SKU. 8701

07. Mirror Eli 4

Eli 4 the flexible hand mirror. Its bendable holder can be brought to almost every position. The round foot is coated black.

Diameter: 210 mm

Height: 400 mm

SKU. 7727

NEW



01. Frame Tray Set

Set of high quality frame trays:

- Frame Tray
- Frame tray high
- Frame tray flat
- Specs handover tray
- Poster frame
- Presentation tray

The trays are made of wood and painted in white. The inside is covered with grey velour.

Color: white

Measures (WxHxD): 360x240x245 mm

SKU. 7457



01.



03.



05.



02.



04.



06.

01. Frame Tray, High, for 6 Sports Frames

Stackalbe frame tray for the ideal presentation of your sports frames collection. The tray is made of wood and painted in white. The inside is covered with grey velour.

Color: white

Measures (WxHxD): 360x70x245 mm

SKU. 7452

02. Frame Tray, Flat, for 8 Frames

Stackalbe frame tray for the ideal presentation of your frames collection. The tray is made of wood and painted in white. The inside is covered with grey velour.

Color: white

Measures (WxHxD): 360x40x245 mm

SKU. 7453

03. Specs Handover Tray

The stackable specs handover tray is the perfect gadget for the presentation of your customer's new eyeglasses. It's made of wood and painted in white. The inside is covered with grey velour. The tray offer space for glasses, case, invoice, and accessories like cloths or cleaning sprays.

Delivery without content.

Color: white

Measures (WxHxD): 360x70x245 mm

SKU. 7454

04. Poster Frame for Frame Tray

Size Din A4.

Color: transparent

Measures (WxHxD): 297x210x8 mm

SKU. 7455

05. Frame Tray

Stackalbe frame tray for the ideal presentation of your frames collection. The tray is made of wood and painted in white. The inside is covered with grey velour.

Color: white

Measures (WxHxD): 360x40x245 mm

SKU. 7451

06. Presentation Tray

Presentation Tray for the ideal presentation of your frames collection. The tray is made of wood and painted in white. The inside is covered with grey velour. Can also be used as cover of the tray set.

Color: white

Measures (WxHxD): 360x8x245 mm

SKU. 7456

Poster Panels



01.

01. Double-sided Insert frame DIN A1

This practical and economic alternative for double-sided poster presentation can be hung up on two loops. Complete with two uv-resistant anti-reflex foils and a plastic divider.

Delivery without poster.

SKU. 7739.1

02. Poster Stand Aluminium DIN A1

High quality long-lasting aluminium construction for ideal stability.

- ▶ Weather resistant
- ▶ Double-sided presentaion
- ▶ Silver anodised aluminium
- ▶ UV stabilised anti reflecting protection foil.

Delivery without poster.

SKU. 7723



02.

03. Replacement Anti Reflecting Foil (without fig.)

Delivery unit: 2 pcs. UV-resistant anti-reflection foils.

Delivery without poster.

SKU. 7724



01.

01. Postersnapper

Two poster-terminal strips with 25 mm profile, foam rubber is attached to the lower profile for better adhesion. This set includes four black end caps and two metal loops which can be disarranged.

Format DIN A1

Delivery without poster.

SKU. 7738.1

02. Frame Suspension Kit (ohne Abb.)

Suspension kit for folding frames.

► For ceiling suspension of folding frames

► Reliable steel wire rope

Length: 1.50 m per rope with loop

Delivery unit: 2 steel wire ropes + 2 suspension hooks

SKU. 8714



03.

03. Table Display

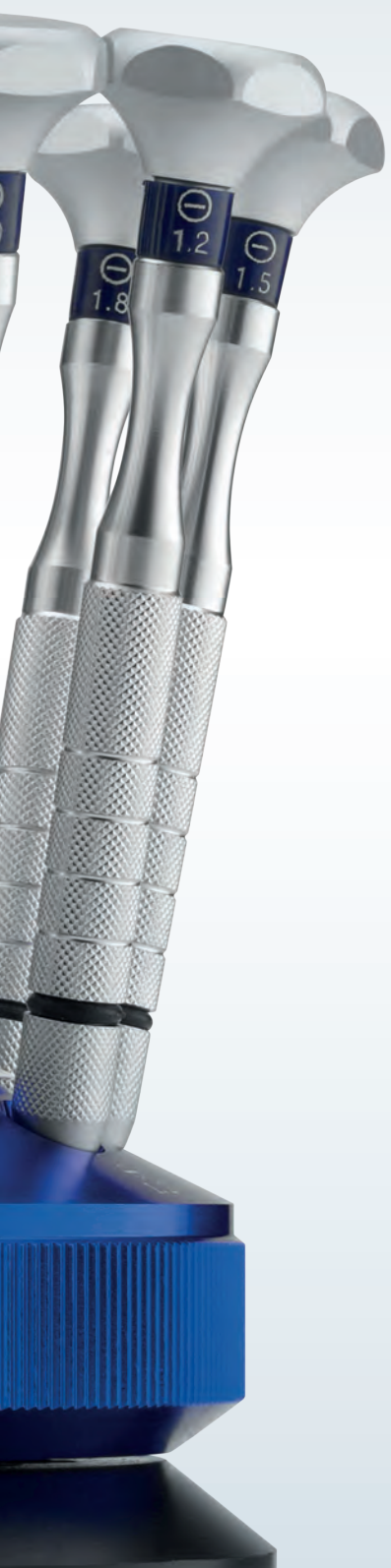
Elegant aluminium profile, completely silver anodised. Numerous usage possibilities.

Format DIN A4

Delivery without poster.

SKU. 7742.2





TOOLS

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01.

01. Measuring Instruments Set

Extensive measuring instruments set in wooden box.

- Vernier calliper with moment fixed position, stainless, Length: 150 mm
- Micrometer with timble 0–25 mm, Scale: 0,01 mm
- Angle gauge, Measures (WxL): 100x70 mm, (DIN 875/00)
- Steel ruler, Length: 150 mm
- Drawing compass, Length: 150 mm
- Straightedge, Length: 100 mm
- Scriber, Length: 175 mm

SKU. 6201

02. Sliding Caliper

A chrome-plated caliper which measures to an accuracy of 0.05 mm. It can also be locked for an easier metering.

Length: 150 mm

SKU. 6220



02.



03.



04.

03. Sliding Caliper

A chrome-plated caliper which measures to an accuracy of 0.05 mm. It can also be locked for an easier metering.

Length: 150 mm

SKU. 6269

04. Digital Sliding Caliper

Digital caliper which measures to an accuracy of 0.01 mm. It can also be locked for an easier metering.

Length: 150 mm

SKU. 6204



01.



03.



02.



04.

01. Angle Gauge 90°

A precision right angle to check the angle of your work. A small opening in the corner helps to keep things accurate
Measures (side lengths): 70 mm / 100 mm

SKU. 6221

02. Predractor

A predractor made out of stainless steel to measure angles.

SKU. 6223

03. Thickness Apparatus

Thickness apparatus for the measuring of edge and center thicknesses of lenses.

Measurable thickness: max. 10.5 mm

Jaw length: 45 mm

Accuracy: 0,01 mm

SKU. 6199

04. Spherometer

A spherometer to measure the concave or convex surface of a lens. Based on crown glass of index $n = 1.525$. Can measure between ± 20 diopters.

Accuracy: 0.50 dpt

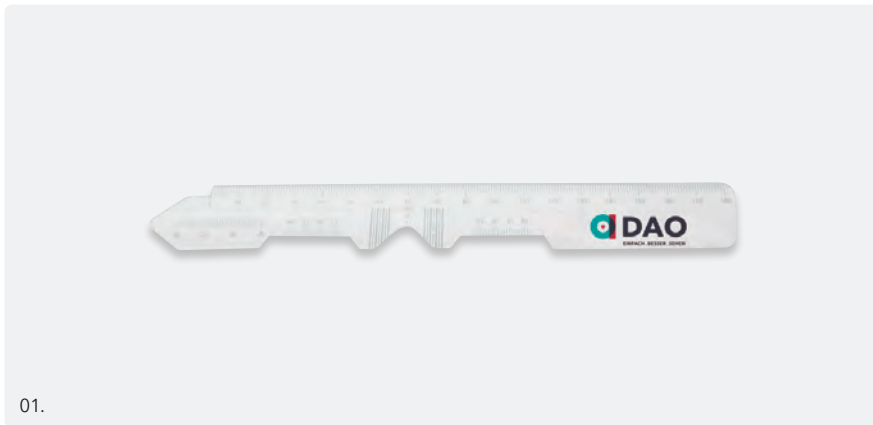
Sensor distance: 15 mm

Diameter: 50 mm

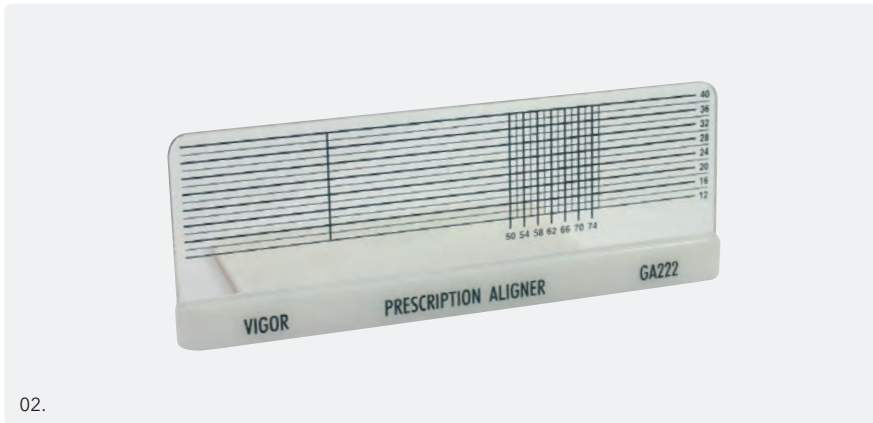
Thickness: 15 mm

SKU. 6224

Measuring Tools



01.



02.



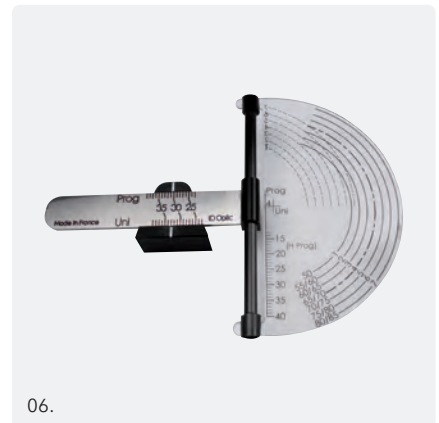
03.



04.



05.



06.

01. PD Stick DAO

Transparent PD stick with DAO logo print.
Measuring range: 0–180 mm
Material: polystyrene
Color: transparent
Measures (WxL): 25x205 mm

SKU. 6198

02. Control Measure for Glasses

A measuring device for the controlling and measuring of glass axes and especially segments of bifocals.

SKU. 6229

03. Steel Ruler, 200 mm

This can be used not only for measuring but also for marking or as a cutting guide, stainless.
Length: 200 mm

SKU. 6241

04. PD Stick

SKU. 6242

05. Temple Width Caliper

Temple Width Caliper incl. leatherette case.

SKU. 6527

06. Diameter Tester for Lenses

Adjustable PD. The scale is inclinable so that the nasal diameter can be measured.

SKU. 6991



01.



03.



02.



05.

01. Scalpel Set

Ideal for prism foils, centration kits etc.
Delivery unit: 3 cutters with 13 different blades, incl. plastic case.

SKU. 6517

02. All-Purpose Scissors

These stainless scissors cut through everything very precisely. It also has a lock against accidental opening.
Color: blue

SKU. 7504.600

03. Scalpel

Extra sharp scalpel made of surgeon stainless steel with a handy anti-slip-off handle.
Length scalpel: 154 mm
Length handle: 50 mm
Length blade: 30 mm

SKU. 7513

04. Scalpel blades (without fig.)

Delivery unit: 3 pcs.

SKU. 7513.1

05. Eco Scissors

It does not matter if you want to cut packing tape, nylon thread, etc., these rust-free scissors will do a top job. They are also suitable for cutting templates. The cut is so clean they can cut clip-ons. Has a safety latch and cover.

Color: red

SKU. 7514



01. Sawing Blade Frame
A robust saw with a wooden handle and wing-nut to hold the blade.
Arm depth: 150 mm

SKU. 6243

02. Jigsaw Classic
Handy jigsaw for all metal, synthetic material and wooden work.
Arm depth: 300 mm

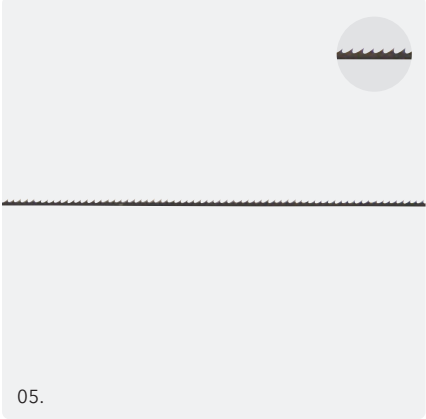
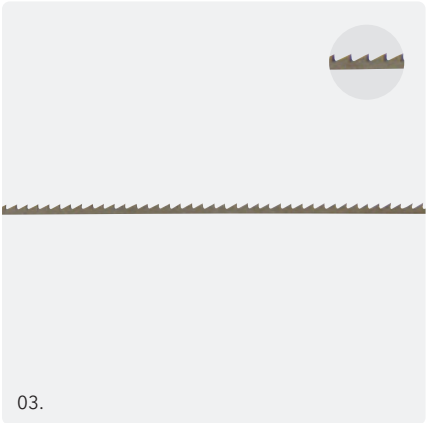
SKU. 7644

03. Sawing Blades for Plastic
Large tooth blades.
Teeth/cm: 10
Delivery unit: 12 pcs.

SKU. 6245

04. Sawing Blades for Plastic
Scalloped blades.
Length: 130 mm
Teeth/cm: 14
Delivery unit: 12 pcs.

SKU. 6146



05. Sawing Blades for Metal
Large tooth blades.
Length: 130 mm
Delivery unit: 12 pcs.

18 teeth/cm	SKU. 6147
16 teeth/cm	SKU. 6148
13 teeth/cm	SKU. 6149

01. Round Snipe Nose Pliers

With round cheeks for bending at hard to reach places.

SKU. 6004

02. Flat Snipe Nose Pliers

With a round and a flat cheek for bending at hard to reach places.

SKU. 6003

03. Long Flat Nose Pliers

With flat cheeks for bending at hard to reach places.

SKU. 6002

04. Bent Nose Pliers

With bent tops for bending at hard to reach places.

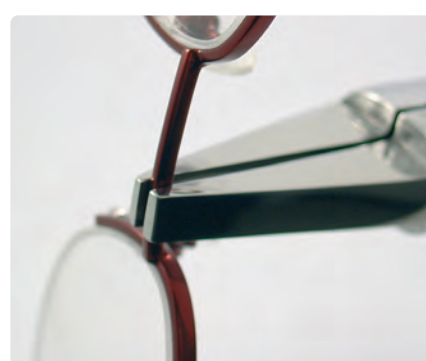
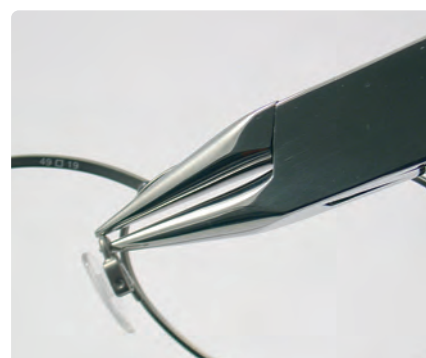
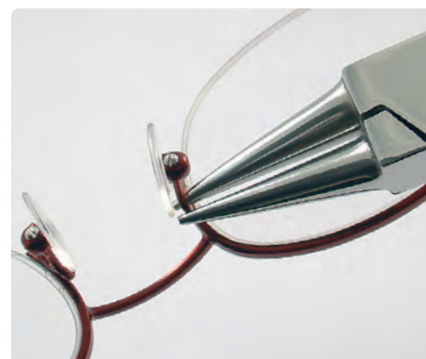
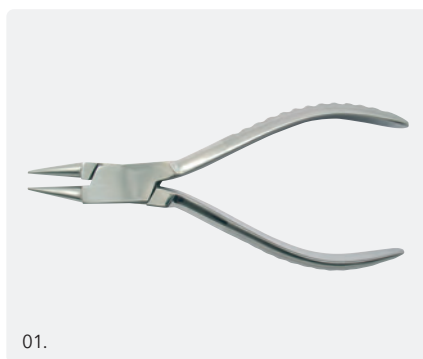
SKU. 6025

05. Flat Nose Pliers

For diverse applications, e.g. fixing of bent frames.

3 mm SKU. 6001

5 mm SKU. 6000



Pliers

01. Three-Pointed Pliers

For the bending of precise angles in thin wires, e.g. clip-on hang-ups.

SKU. 6006



02. Screw-Shortening Pliers

Flat nose plier for breaking rimless frame screws made of nickel silver. With long hole at the top, for breaking the screws through whirling movements.

SKU. 6041



Workshop tip

Try the Screw-Shortening pliers for the shortening of rimless frame screws - you won't use anything else again.

03. Hinge Adjusting Pliers

For adjusting hinges without dismounting the frame temple.

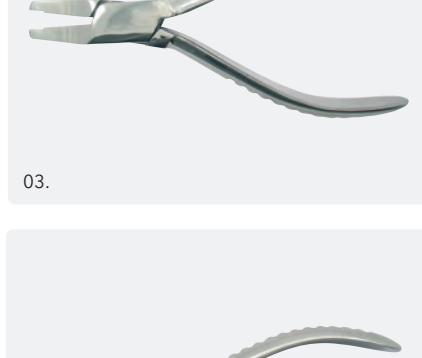
SKU. 6027



04. Hinge Adjusting Pliers

For grabbing and adjusting hinge rolls.

SKU. 6005



05. Holding Pliers with Gripping Slot

For grabbing temples, temple tips, etc. and for bending and adjusting.

SKU. 6024



01. Windsor Ring Cutting Pliers

For working windsor rings. The recesses are notched without cutting or breaking the windsor ring.

SKU. 6035

02. Inclination Pliers

1 mm, for small hinges

SKU. 6008

3 mm, for middle-sized hinges

SKU. 6036

5 mm, for large hinges

SKU. 6039

03. Size Testing Pliers

For checking the right size of the edged lens. The lens doesn't need to be screwed in anymore.

SKU. 6010

04. Size Testing Pliers Large

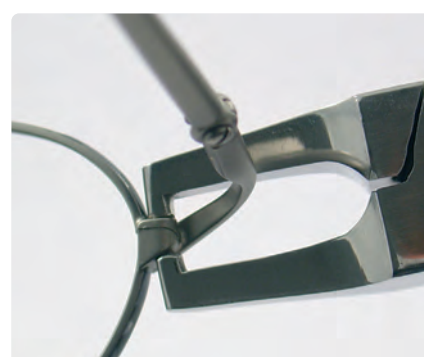
For checking the right size of the edged lens. The lens doesn't need to be screwed in anymore. Large version, suitable for wide end pieces.

SKU. 6053

05. Screwdriving Pliers

With leverage for opening tightened screws.

SKU. 6043



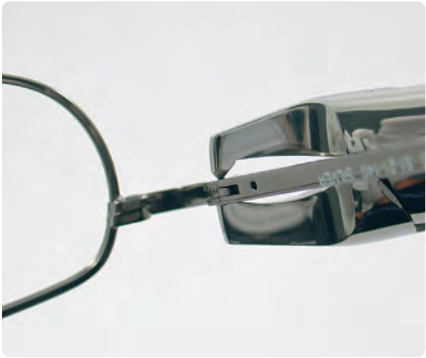
Pliers

01. Flaring Pliers Small

For flaring hinge screws. The opposite side is flat.

Mandrel: 1.4 mm

SKU. 6038

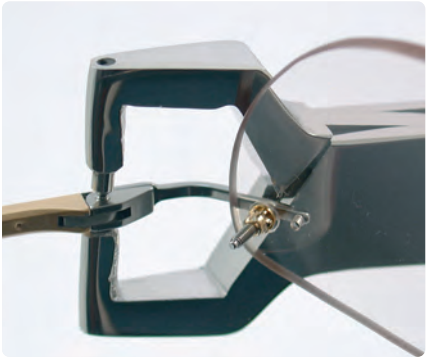


02. Flaring Pliers Large

For flaring hinge screws. The opposite side is flat.

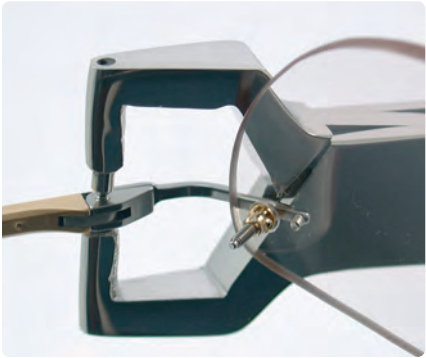
Mandrel: 2.5 mm

SKU. 6009



03. Spare Tip Flaring Pliers (without fig.)

SKU. 6009.1



04. Nose Pad Pliers with Plastic Jaw, Screw

For adjusting screw-on pads and and pad arms.

SKU. 6046



05. Nose Pad Pliers with Plastic Jaw, Click

For adjusting click-on pads and and pad arms.

SKU. 6045



06. Nose Pad Pliers, Screw

For adjusting screw-on pads and and pad arms. With extended counter jaw for the predection of the pads.

SKU. 6007



01. Nose Pad Pliers, Click

For adjusting click-on pads and and pad arms. With extended counter jaw for the predection of the pads.

SKU. 6026

02. Nose Pad Popping Pliers, Click

For the removal of click-on pads.

SKU. 6054

03. Deblocking Pliers, Cup Shape

For the removal of blocker from lenses.

Diameter: 14 mm

SKU. 6042

04. Deblocking Pliers with Tips

For the removal of blocker from lenses.

Diameter: 15 mm

SKU. 6015

05. Glass Chipping Pliers

Sprung pliers for chipping lenses.

SKU. 6016

06. Spare Jaws for Glass Chipping Pliers (without fig.)

Delivery unit: 1 pair

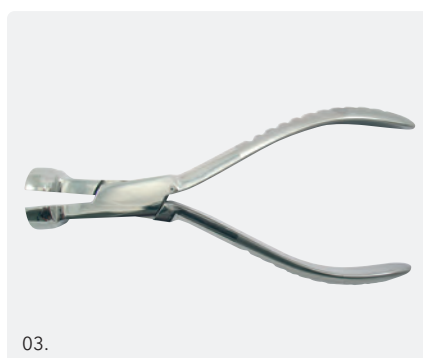
SKU. 6016.2



01.



02.



03.



04.



05.



Pliers

01. Holding Pliers for Rimless Frames

The metal part and the plastic jaw have a slit with which screw and nut can be held safely.

Slit in metal part: 11.5x1.6 mm

SKU. 6056

02. Spare Jaw for Holding Pliers (without fig.)

Delivery unit: 1 Pair

SKU. 6056.1

Workshop tip

With the holding pliers for rimless frames the risk of breakage is minimized significantly. With two of those pliers you can easily align "propellers".

Workshop tip



03. Eyewire Forming Pliers

For working the frame rim.

SKU. 6022

04. Spare Jaw for Eyewire Forming Pliers (without fig.)

Delivery unit: 1 Pair

SKU. 6022.1

05. Eyewire Forming Pliers Small

For bending metal frames.

Jaw width: 19 mm

SKU. 6029

06. Spare Jaw for Eyewire Forming Pliers Small (without fig.)

Delivery unit: 1 Pair

SKU. 6029.2



01. Spare Jaw for Eyewire Forming Pliers Large

For bending metal frames.

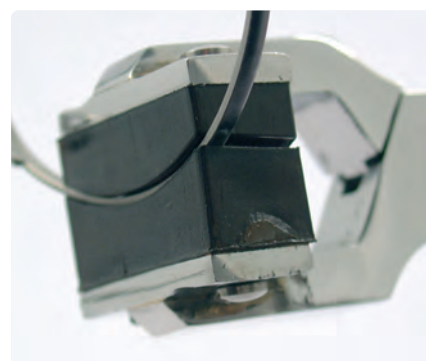
Jaw width: 24 mm

SKU. 6030

02. Spare Jaw for Eyewire Forming Pliers Large (without fig.)

Delivery unit: 1 Pair

SKU. 6030.2

**03. Holding Pliers, 8 mm**

Flat nose pliers with plastic jaws, 8 mm wide, for various bending and adjusting works.

SKU. 6018

**04. Spare Jaws for Holding Pliers, 8 mm (without fig.)**

Delivery unit: 1 Pair

SKU. 6018.2

05. Holding Pliers, 10 mm

Flat nose pliers with plastic jaws, 8 mm wide, for various bending and adjusting works.

SKU. 6032

**06. Spare Jaws for Holding Pliers, 10 mm (without fig.)**

Delivery unit: 1 Pair

SKU. 6032.2

07. Holding Pliers with Gripping Slot

With predetection jaws for grabbing temples, temple tips, etc.

SKU. 6031

**08. Spare Jaws for Holding Pliers with Gripping Slot (without fig.)**

Delivery unit: 1 Pair

SKU. 6031.2

Pliers

01. Inclination Pliers, V-Form

Particularly suitable for use in the hinge area.

Width plastic jaw: 8 mm

SKU. 6021

02. Spare Jaws for Inclination Pliers (without fig.)

Delivery unit: 1 Pair

SKU. 6021.1

03. Lab Screwless Rimless Compressing Pliers

SKU. 6058

04. Spare Jaws for Lab Screwless Rimless Compressing Pliers (without fig.)

Delivery unit: 1 Pair

SKU. 6058.1

05. Rimless Dowel Pulling Pliers

For dowel frames with sleeves.

SKU. 6057

06. Cutting Pliers

For cutting through temples, steel screws, etc.

SKU. 6047

07. Inclination Pliers, Conical Form

For aligning the temple width.

Width plastic jaw: 8 mm

Diameter metal cone: 1.5-7 mm

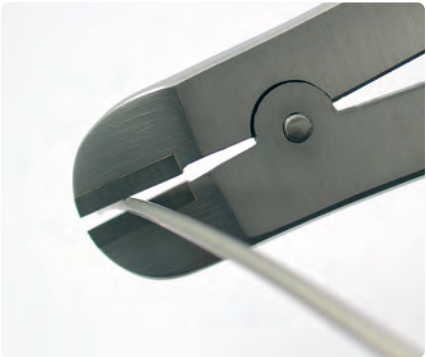
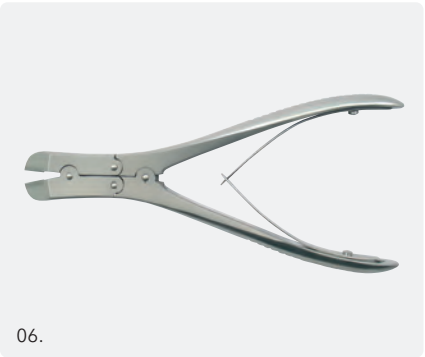
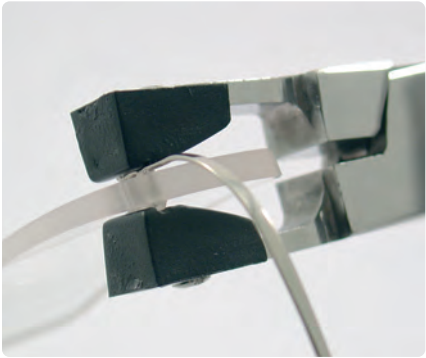
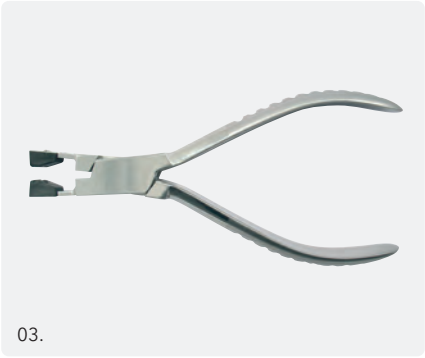
Length metal cone: 23 mm

SKU. 6019

08. Spare Jaws for Inclination Pliers, Conical Form (without fig.)

Delivery unit: 1 Pair

SKU. 6019.1



01. Inclination Pliers, Cylindrical Form

For aligning the temple width.

Width plastic jaw: 8 mm

Diameter metal cone: 3.5–4.5 mm

Length metal cone: 23 mm

SKU. 6020

02. Spare Jaws for Inclination Pliers, Cylindrical Form (without fig.)

Delivery unit: 1 Pair

SKU. 6020.1

03. Hardened Metal Cutting Pliers Straight

Suitable for nickel silver and plastics.

SKU. 6049

04. Hardened Metal Cutting Pliers Inclined

Suitable for nickel silver and plastics.

SKU. 6050

05. Hardened Metal Cutting Pliers Crossed

Suitable for nickel silver and plastics.

SKU. 6051

06. Cutting Pliers Straight

For cutting temple pieces, screws, etc.

SKU. 6011

Workshop tip

Always position the cutting pliers straight. Rocking motion can break the cutting edges.



01.



03.



04.



05.



06.



Pliers

01. Cutting Pliers Inclined

For cutting temple pieces, screws, etc.

SKU. 6012

02. Cutting Pliers Crossed

For cutting temple pieces, screws, etc.

SKU. 6013

03. Screw Cutter for Nickel Silver Screws

For free-from-burrs cutting of nickel silver rimless frame screws up to M1.4.

SKU. 6023

04. Lens Aligner

For grabbing and turning lenses. With small sprung plate.

SKU. 6033

05. Rubber Disk Set for Lens Aligner (without fig.)

SKU. 6033.1

06. Self Holding Screw Pliers

For grabbing, holding and pushing in screws.

SKU. 6062



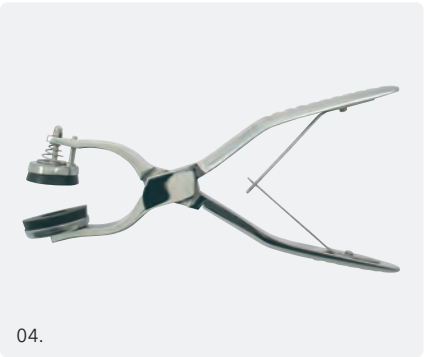
01.



02.



03.



04.



06.



01. Precision Plier for Ultra Fine Cutting Work

Precision plier for ultra fine cutting work "Made in Germany".

Mirror polished with two-colour dual component handles. Oblique end cutter with short head.

Cutter hardness: 56 HRC

Material:

Tool steel of special grade

Weight: 70 g

SKU. 6064

02. High Leverage End Cutting Nippers

High cutting capacity with little effort due to optimum coordination of cutting edge angel and transmission ratio.

Chrome plated with two-colour dual component handles.

Cutter hardness: 64 HRC

Material:

Chrome-vanadium high performance steel

Weight: 375 g

SKU. 6065

03. High Leverage Diagonal Cutters

For heaviest duty, High cutting performance with minimum effort. Polished with two-colour dual component handles.

Cutter hardness: 64 HRC

Material:

Chrome-vanadium high performance steel

Weight: 300 g

SKU. 6067

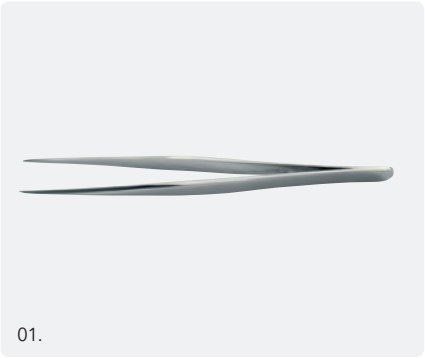


Tweezers

01. Tweezers Pointed

These pointed tweezers are used to pick up small parts. Made out of stainless steel.
Length: 125 mm

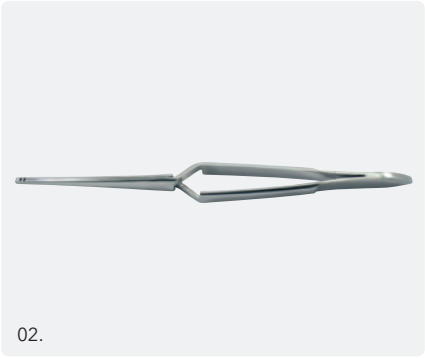
SKU. 7505



02. Screw Holding Tweezers, Self-Locking

These screw holding tweezers are self-locking. In the tips of these tweezers are two grooves to hold long and short screws and help make inserting them into the joints easier. It is also suitable for soldering.
Length: 160 mm

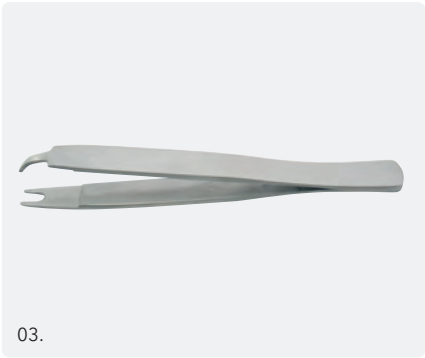
SKU. 7508



03. Nose Pad Removing Tweezers

These tweezers enable one to quickly and effortlessly remove push-in nose pads.
Length: 90 mm

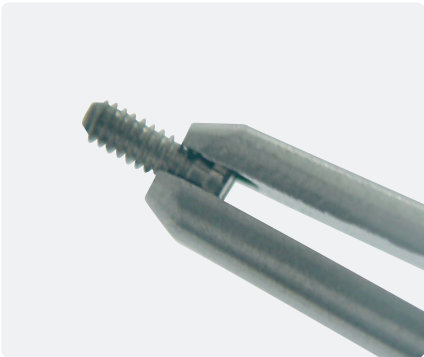
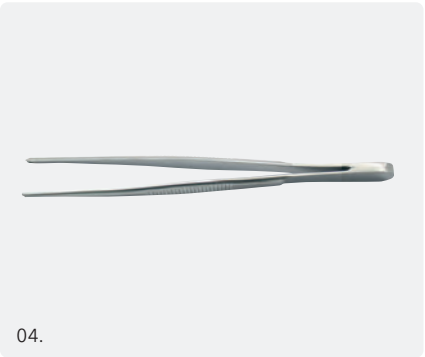
SKU. 7509



04. Screw Holding Tweezers

Ideal for holding small parts.
Length: 130 mm

SKU. 7501

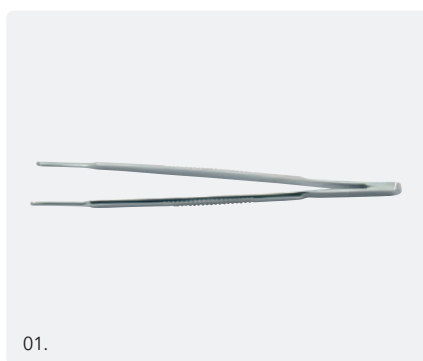


01. Screw Holding Tweezers Small

These screw holding tweezers should be on every workbench. In the tips of these tweezers are small grooves to hold screws and help make inserting them into the joints easier.

Length: 127 mm

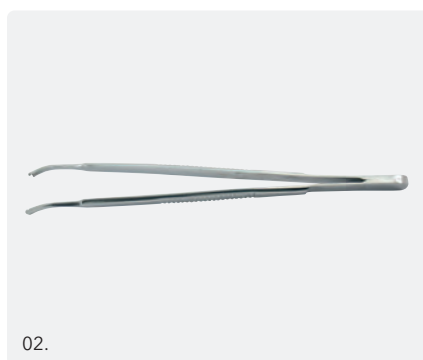
SKU. 7507

**02. Bent Screw Holding Tweezers**

Perfect hold: make inserting screws into joints easier. Bent model.

Length: 115 mm

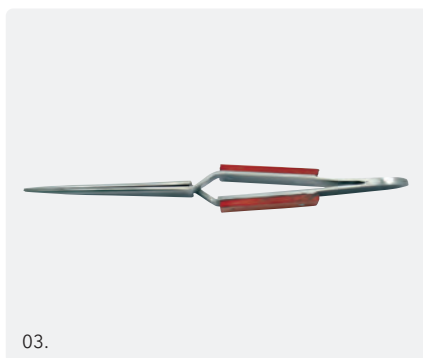
SKU. 7500

**03. Soldering Tweezers Straight**

These screw holding tweezers are self-locking. It is suitable for soldering due to the handles being heatproof. Therefore one's hands do not get burnt while feeding in the solder. Straight-tipped.

Length: 165 mm

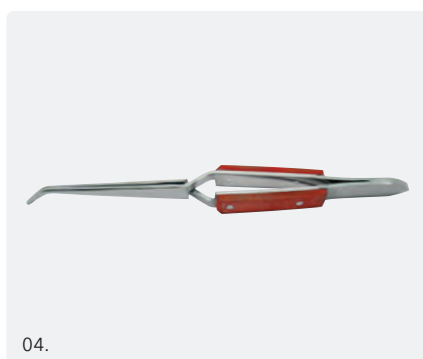
SKU. 7510

**04. Soldering Tweezers Angular**

These screw holding tweezers are self-locking. It is suitable for soldering due to the handles being heatproof. Therefore one's hands do not get burnt while feeding in the solder. Bent-tipped.

Length: 165 mm

SKU. 7511



By pers - for pers!

Attractive Design,
uncomplicated Technology and
well thought out Handling

- Practical Redating Stand
- Color Coding
- Parts separately available

Take care for order at your workplace!
With our practical toolsets in the redating stands this is so easy. Every tool has its place and is ready to hand - at any time. The color coding makes it even clearer. Nut drivers, blades and steel taps are separately available - this make the sets a good ecological choice as well.



01. Nutdriver Set Steel in Redating Stand

01. Nutdriver Set Steel in Redating Stand

9 color coded nutdrivers in redating stand.
Nutdrivers and blades can be obtained separately.
Delivery unit:

- Star: 2.32/2.42/2.52/2.62/2.82 mm
- Hexagonal: 2.02/2.27/2.42/2.52 mm

SKU. 6501.Mutternschlüssel

02. Spare Blades (without fig.)

Shaft diameter: 2.9 mm

Nutdriver	Size	SKU.	Typee
Hexagonal	2.02 mm	6501.Hexagonal.2,02	
Hexagonal	2.27 mm	6501.Hexagonal.2,27	
Hexagonal	2.42 mm	6501.Hexagonal.2,42	
Hexagonal	2.52 mm	6501.Hexagonal.2,52	
Star	2.32 mm	6501.KlingeStar.2,32	
Star	2.42 mm	6501.KlingeStar.2,42	
Star	2.52 mm	6501.KlingeStar.2,52	
Star	2.62 mm	6501.KlingeStar.2,62	
Star	2.82 mm	6501.KlingeStar.2,82	



03. Screwdriver Set Steel in Redating Stand

03. Screwdriver Set Steel in Redating Stand

9 color coded screwdrivers in redating stand.
Screwdrivers and blades can be obtained separately.

Delivery unit:

- ▶ Slot : 1.0/1.2/1.5/1.8/2.0 mm
- ▶ Cross slot: 1.0/1.5/1.8/2.0 mm

SKU. 6500.Schraubendreher



05. Steel Tap Set Steel in Redating Stand

05. Steel Tap Set Steel in Redating Stand

9 color coded steel taps in redating stand.
Steel taps can be obtained separately.

Delivery unit:

- ▶ Steel Tap: 1.0/1.1/1.2/1.3/1.4/1.5/1.6/1.8 mm
- ▶ Scriber

SKU. 6502.Gewindebohrer

04. Spare Blades (without fig.)

Shaft diameter: 3.0 mm

Slot Typee	Size	SKU.	Typee
Slot	1.0 mm	6500.Klinge.-1,0	
Slot	1.2 mm	6500.Klinge.-1,2	
Slot	1.5 mm	6500.Klinge.-1,5	
Slot	1.8 mm	6500.Klinge.-1,8	
Slot	2.0 mm	6500.Klinge.-2,0	
Cross slot	1.0 mm	6500.Klinge.+1,0	
Cross slot	1.5 mm	6500.Klinge.+1,5	
Cross slot	1.8 mm	6500.Klinge.+1,8	
Cross slot	2.0 mm	6500.Klinge.+2,0	

06. Spare Taps (without fig.)

Shaft diameter: 2.5 mm

Thread	SKU.
M 1.0	6502.Klinge.1,0
M 1.1	6502.Klinge.1,1
M 1.2	6502.Klinge.1,2
M 1.3	6502.Klinge.1,3
M 1.4	6502.Klinge.1,4
M 1.5	6502.Klinge.1,5
M 1.6	6502.Klinge.1,6
M 1.8	6502.Klinge.1,8
Scriber	6502.Klinge.Reißnadel



01.



01. Screwdriver Set Classic with Wooden Support

5 color coded screwdrivers with wooden support.
Shaft diameter: 2.5 mm, bevelled

Delivery unit:

- Slot: 1.0/1.5/1.8 mm
- Cross slot: 1.5/2.0 mm

SKU. 6308

02. Wooden Support

Wooden support like 01., suitable for
SKU. 6308.

SKU. 6308.1



01.

01. Dowel System Tool Set

Complete set for safe glazing of specs.

Delivery unit:

- ▶ Mounting pliers
- ▶ Dismantling pliers
- ▶ Dowel removing pliers
- ▶ Drilling aid clamps
- ▶ Surface protection pads
- ▶ Protection stripes for perper edges
- ▶ Spare jaws
- ▶ Double dowels
- ▶ Case

SKU. 6069

02. Tool Set Darts

Ten-part tool set with case. With color coding for a better overview. All spare parts can be individually replaced.

Delivery unit:

- ▶ Slot screwdriver: 1.0/1.5/1.8/2.0 mm
- ▶ Cross slot screwdriver: 1.5/2.0 mm
- ▶ Nutdriver Star: 2.2/2.5/2.8 mm
- ▶ Nutdriver Hexagonal: 2.2 mm

SKU. 6383



02.



03.

03. Screwdriver Set Darts with Wooden Support

5 color coded screwdrivers with wooden support.

Shaft diameter: 2.5 mm, bevelled

Delivery unit:

- ▶ Slot: 1.0/1.5/1.8 mm
- ▶ Cross slot: 1.5/2.0 mm

SKU. 7650

Screwdrivers



01.



01. Universal Screwdriver

This screwdriver is ideal for the shop. It comes with a swivel head and a shaft that can be used to store other blades.

Delivery unit:

Slot: 1.5/1.8/2.3 mm

Cross slot: 1.5 mm

SKU. 6367

**02. Blades Set for Universal Screwdriver
(without fig.)**

Shaft diameter: 2.5 mm, bevelled

Delivery unit:

Slot: 1.5/1.8/2.3 mm

Cross slot: 1.5 mm

SKU. 6367.1



03.

03. Screwdriver with Wooden Knob

Delivery unit:

Screwdriver

Slot blades: 1.5/2.0 mm

SKU. 6352



01. Screwdriver Classic

Standard-Screwdriver for opticians.
Color coded.

Slot Type	Color	Size	SKU.	Type
Slot	black	1.0 mm	6309.1,0	ⓘ
Slot	red	1.5 mm	6309.1,5	
Slot	purple	1.8 mm	6309.1,8	
Slot	green	2.3 mm	6309.2,3	
Cross slot	red	1.5 mm	6310.1,5	⊗
Cross slot	white	2.0 mm	6310.2,0	
Cross slot	blue	2.5 mm	6310.2,5	



02. Screwdriver Darts

Color coded.
Shaft diameter: 2.5 mm
Shaft end: bevelled

Slot Type	Color	Size	SKU.	Type
Slot	black	1.0 mm	7651.1,0	ⓘ
Slot	red	1.5 mm	7651.1,5	
Slot	purple	1.8 mm	7651.1,8	
Slot	green	2.3 mm	7651.2,3	
Cross slot	red	1.5 mm	7652.1,5	⊗
Cross slot	white	2.0 mm	7652.2,0	
Cross slot	blue	2.5 mm	7652.2,5	



03. Blades for Model Darts

The blades are suitable for the screwdriver darts and many more.
Shaft diameter: 2.5 mm
Delivery unit: 3 pcs.

Slot Type	Color	Size	SKU.	Type
Slot	black	1.0 mm	6311.1,0	ⓘ
Slot	red	1.5 mm	6311.1,5	
Slot	purple	1.8 mm	6311.1,8	
Slot	green	2.3 mm	6311.2,3	
Cross slot	red	1.5 mm	6312.1,5	⊗
Cross slot	white	2.0 mm	6312.2,0	
Cross slot	blue	2.5 mm	6312.2,5	

Nutdrivers



01. Nutdriver All in One
For star, hexagonal and cap nuts.

SKU. 6354

02. Nutdriver Star

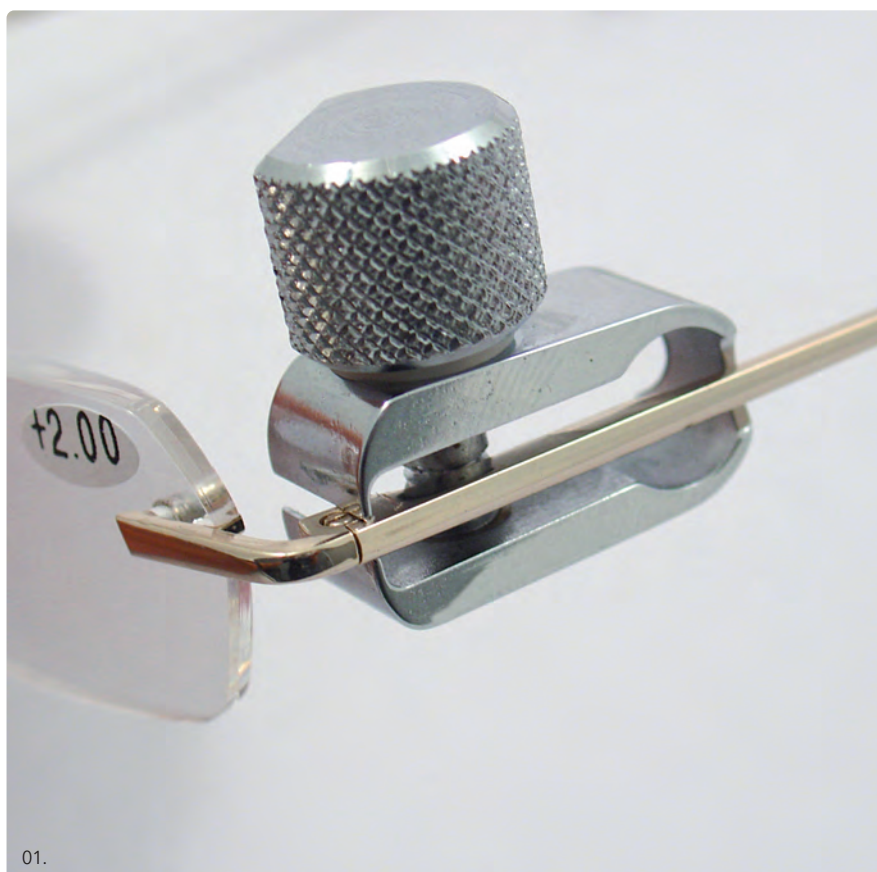
2.2 mm Star	SKU. 6355.2,2
2.5 mm Star	SKU. 6355.2,5

03. Nutdriver with Spring Ejector

The spring ejector makes the removal of nuts from the driver easy.

2.2 mm Star	SKU. 6358.2,2
2.5 mm Star	SKU. 6358.2,5
2.2 mm Hexagonal	SKU. 6359





01. Spring Hinge Help Stopflex

Attach the Spring Hinge Help Stopflex to the spring to easily change screws and reconnect the temple.

Stopflex comes with a practical plastic box including a special tool.

SKU. 8141

02. Mandrel for Spring Hinge Help Stopflex

SKU. 8141.1

03. Eyewire Sizing Screw

This eyewire sizing screw makes it easy to test the size of the lens without having to insert a screw.

M 1.4 SKU. 7170.1,4

M 1.3 SKU. 7170.1,3

M 1.2 SKU. 7170.1,2



02.

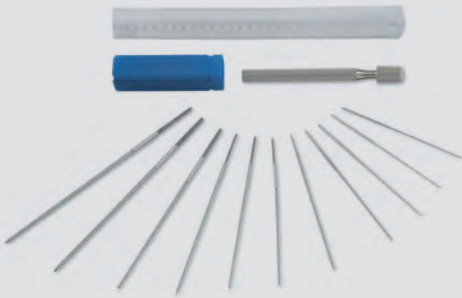


03.

Reamers



01.



03.

01. Reamers Set
6 Reamers with handle.
Reamer up to:
1.14/1.40/1.60/1.75/1.90/2.01 mm
Delivery unit: 6 pcs. incl. plastic case

SKU. 6137

**02. Reamer with handle
(without fig.)**

Size max.	
1.14 mm	SKU. 6137.1,14
1.40 mm	SKU. 6137.1,4
1.60 mm	SKU. 6137.1,6

**03. Reamers Set,
pentagonal**
Sharp cut.
Reamer up to: 0.5/0.6/0.8/1.0/1.1/1.2/1.3/
1.4/1.5/1.6/1.8/2.0 mm
Delivery unit: 12 pcs.

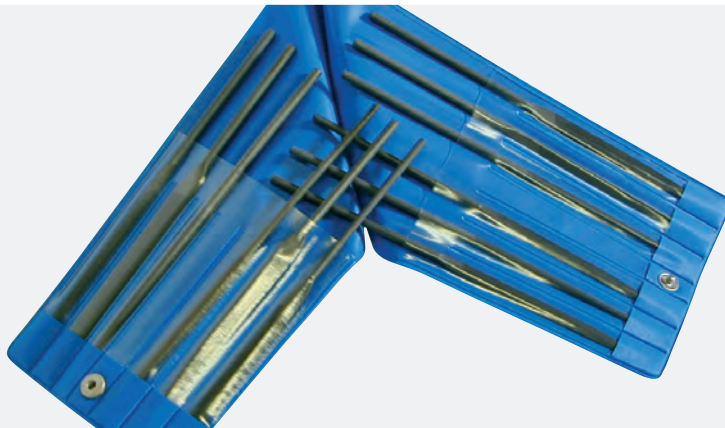
SKU. 6139.Set

04. Reamer (without fig.)
Reamer to be clamped in a hinge or a tool
holder (not included).

Size max.	
0.5 mm	SKU. 6139.0,5
0.6 mm	SKU. 6139.0,6
0.8 mm	SKU. 6139.0,8
1.0 mm	SKU. 6139.1,0
1.1 mm	SKU. 6139.1,1
1.2 mm	SKU. 6139.1,2
1.3 mm	SKU. 6139.1,3
1.4 mm	SKU. 6139.1,4
1.5 mm	SKU. 6139.1,5
1.6 mm	SKU. 6139.1,6
1.8 mm	SKU. 6139.1,8
2.0 mm	SKU. 6139.2,0



01.



02.

01. Needle Files Set

Includes the following forms: flat, half-round, round, flat tip, triangle, square.

Cut: 3

Length: 140 mm

Delivery unit: 6 pcs. incl. plastic case

SKU. 6124

02. Needle Files Set

Includes the following forms: flat tip, flat, round, triangle, oval, half-round.

Cut: 2 and 3

Length: 140 mm

Delivery unit: 12 pcs. incl. plastic case

SKU. 6136



03.

03. Fiber Mat

Elastic: Adapts to any surface. For the treatment of metal and plastic surface areas.

Measures (WxHxD): 220x8x160 mm

extra fine white SKU. 7633

extra coarse green SKU. 7636

fine grey SKU. 7634

coarse red SKU. 7635



01. Screw Head File with Wooden Handle

An especially thin file designed to cut a new slot in defective screwheads. Once the slot is cut, the screw can be screwed out without damaging the thread.

Diameter: 0.6 mm

SKU. 6134



02. Brush

Brush with wooden handle with stiff hairs for cleaning files and other purposes.

Length bristles: 105 mm

Length: 225 mm

SKU. 8242



01.

01. Dick Key File Set

6 Files with ergonomic wooden handle.
Includes the following forms: hand, warding, threesquare, square, half-round, round.

Cut: 2

Teeth/cm: 25

Cut length: 100 mm

Delivery unit: 6 pcs. incl. plastic case

SKU. 6113



02.

02. Dick Needle File

For hard materials and fine surfaces with slight takeoff.

Cut: 2

Teeth/cm: 38

Perfile: 4.8x1.1 mm

Diameter: 2.8 mm

Length: 140 mm

round conic SKU. 6133

**Dick**

A maximum degree of quality and perfect ergonomic handling make the Friedr. Dick GmbH & Co. KG. a worldwide leading brand in the professional range.



03.

03. Dick All Purpose File 'Multicut'

Small and handy all purpose file for the workshop.

Suitable for steel, metal, plastics and wood.

Cutlength: 100 mm

Measures (WxH): 10x4 mm

SKU. 6114



04.

04. Dick Precision File Round Extra Thin

Round cylindrical special file with constant diameter.

Cut: 3

Teeth/cm: 31

Length: 100 mm

1.0 mm 6112.1,0.3

0.5 mm 6112.0,5.3



05.

05. Dick All Purpose File 'Multicut' Coarse/Fine

Dick All Purpose File 'Multicut' with ergonomic plastic handle. Two different cuts.

Usable for steel, metal, plastics and wood

Cutlength: 200 mm

Measures (WxH): 20x5 mm

SKU. 6105

Files & Rasps



01.



03.



02.



04.

01. Dick Half-Round File

With wooden file handle.
Cut length: 150 mm
Measures (WxH): 16x5 mm

16 Teeth, Cut 1		SKU. 6103.1
20 Teeth, Cut 2		SKU. 6103.2
25 Teeth, Cut 3		SKU. 6103.3

02. Dick Hand File

With wooden file handle.
Cut length: 150 mm
Measures (WxH): 16x4 mm

16 Teeth, Cut 1		SKU. 6102.1
20 Teeth, Cut 2		SKU. 6102.2
25 Teeth, Cut 3		SKU. 6102.3

03. Dick Rasp

With wooden file handle.
Available in 3 shapes, each cut 2.
Cut length: 200 mm

Rasp round		SKU. 6121
Rasp half-round		SKU. 6120
Rasp flat		SKU. 6119

04. Dick File Handle, Beech Wood

100 mm suitable for file length 100–150 mm
110 mm suitable for file length 200–250 mm

100 mm	SKU. 6117
110 mm	SKU. 6118

05. Dick File Brush (without fig.)

File brush for the cleaning of files.
Width: 40 mm
Length: 110 mm

SKU. 6109



Workshop tip

Cut1 (coarse) – for a fast takeoff at soft materials and coarse surfaces.

Cut 2 (middle) + Cut 3 (fine) – for a slight takeoff at hard materials and fine surfaces.



01. Dick Wood Rasp Half-Round

With wooden file handle for acetate, plastic, leather and wood.

Cut: 5

Cut length: 150 mm

Length: 230 mm

SKU. 6143



01. Hinge and Temple Miller
This hand-held cutter enables one to reduce the thickness of a joint perfectly or to remove excess solder from the joint.

2.8 mm SKU. 8130.2,8
3.5 mm SKU. 8130.3,5

02. Spare Blade Hinge and Temple Miller (without fig.)

2.8 mm SKU. 8131.2,8
3.5 mm SKU. 8131.3,5

03. Screw End Miller
A hand-held cutter for removing rough edges of cut screws. Just simply apply and turn back and forth until desired finish is achieved.

SKU. 8133

04. Nylon Thread Hook
A metal hook that makes it easy to fit lenses into nylon frames.

SKU. 8140

05. Spare Hooks for Nylon Thread Hook (without fig.)

Delivery unit: 3 pcs.

SKU. 8140.1

06. Double Ended Reamer Holder
A reamer holder that has a chuck at each end and can also be used for taps and drills. The double chuck enables a varieties fo tool diameters to be inserted.

Clamping range:
0-1.7 mm and 2.5-3.2 mm
Length: 100 mm

SKU. 8136

07. Swivel Head Reamer Holder
A reamer holder that can also can be used for taps and drills. Has a swivel head.
Clamping range: 0-3.2 mm

SKU. 8135



03.



04.



06.



07.

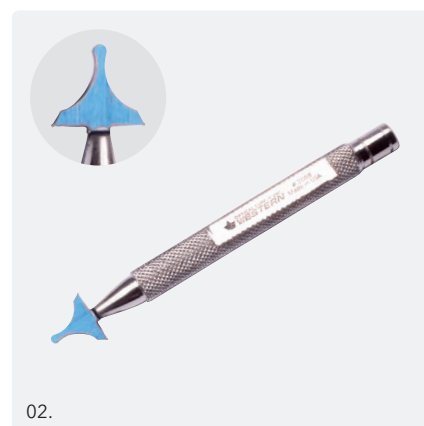


01.

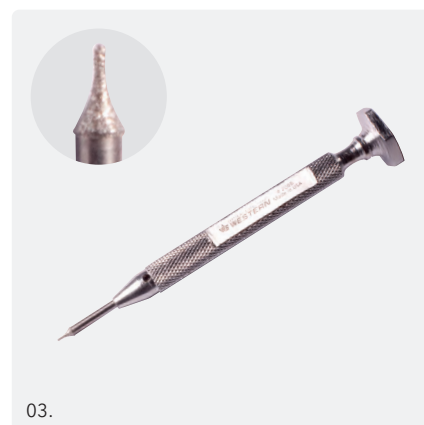
01. Scraper with Wooden Handle

To smooth down plastic, it is an indispensable tool for apprentices or frame designers.

SKU. 8102



02.



03.

02. Swarf Removal Tool

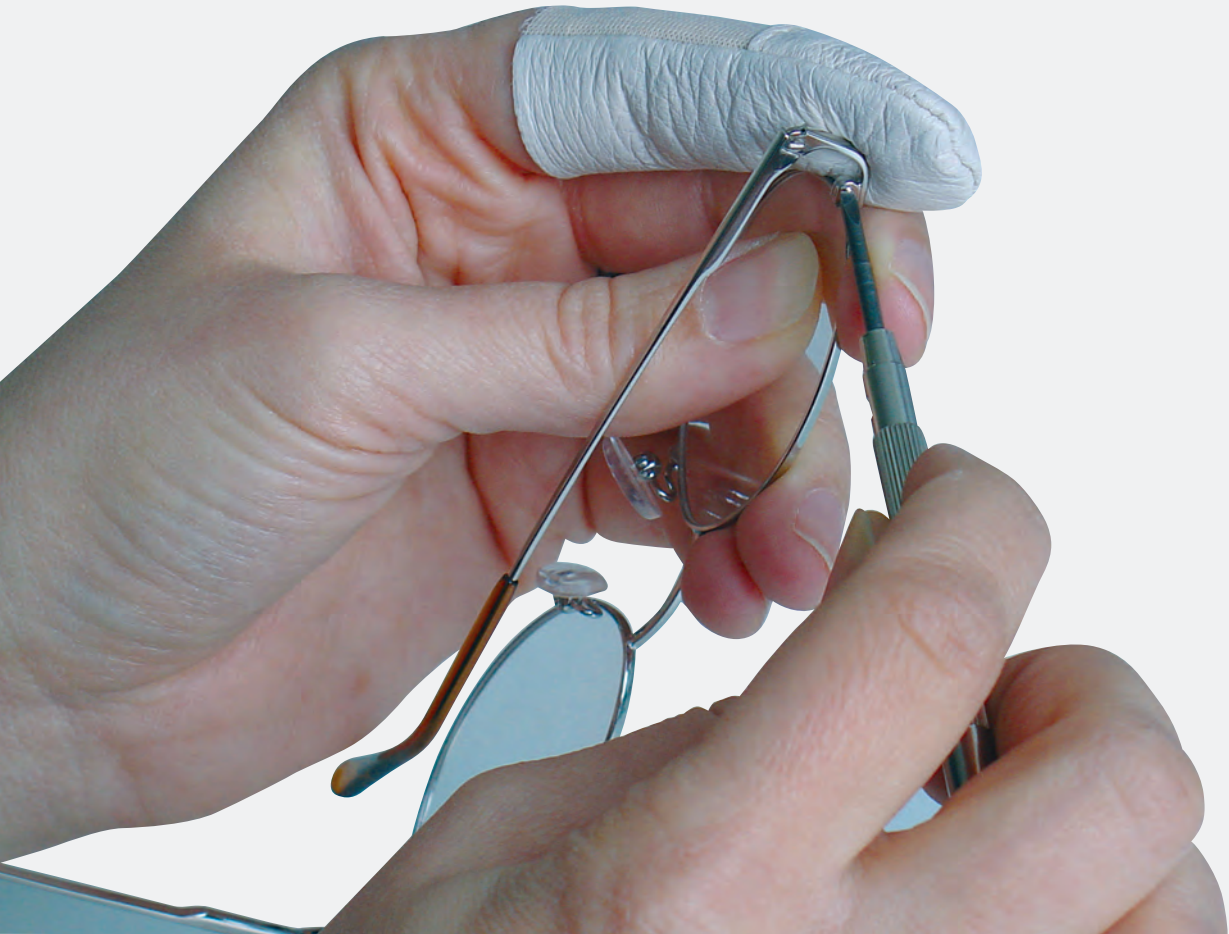
A unique tool for removing the residue resulting from edging polycarb and Trivex lenses. Curved edges help keep the scrapping blade balanced on the edge of the lens. Fine, squared tips for cleaning out the groove of nylon wire rimless. The Swarf is made of spring steel mounted into a nickel plated steel handle.

SKU. 6581

03. Lens Harpoon

Diamond tipped conical point inserts into any standard screwdriver handle. Use when deburring, smoothing or tapering a hole in rimless mounted lenses to prevent chipping. Diamond tipped conical point mounted in a carbon steel nickel plated handle.

SKU. 6591



01.

01. Leather Finger Stall

Finger stall that pertects from injuries. Made of high quality lamb nappa leather with elastic textile insert.

small	SKU. 7630.1
middle	SKU. 7630.2
large	SKU. 7630.3



02.

02. Scriber

An especially fine scriber for plastic. The plastic handle has 2 extra tips.

SKU. 8104

**03. Spare Tips for Scriber
(without fig.)**

Delivery unit: 10 pcs.

SKU. 8104.1



01.



02.

01. Glass Cutter

A special glass cutter with a hard metal cutting wheel.

SKU. 8108

02. Rivet Hammer

A rivet hammer for all an optician's fine work such as riveting. A genuine Swiss hammer. 80 mm wide head.

SKU. 8114

03. Spare Wheel for Glass Cutter (without fig.)

SKU. 8108.1

Clamping Tools



01.



01.

01. Soldering Stand with 3 Adjustable Pliers

This soldering stand makes soldering so easy. The frame pieces can be quickly secured and positioned in the three adjustable pliers. These pliers comprise of three movable joints and are mounted on a fireproof base. Also supplied is a special key to tighten the joints once everything is positioned.

Measures (WxHxD): 260x150x220 mm

Weight: 1.95 kg

SKU. 8117



02.

02. Third Hand Soldering Stand

Simple but effective. Has a heavy base for stability, 2 clamps and a magnifying glass.

SKU. 8118



01. Vice with Swivel Joint

Classical work bench vice. Has a swivel joint to make working easier.

Jaw width: 40 mm

Clamping range table clamp: 15–40 mm

SKU. 8121

02. Bench Filing Aid and Clamp

This filing aid is clamped on the bench and enables the object to easily worked upon. The metal piece can also be used as an anvil.

Measures (WxHxD): 65x100x180 mm

SKU. 8122



02.



03.



04.

03. Fret Saw Block

This fret saw block enables one to cut plastic frame material easily. A must for apprentice or frame designers.

Depth milling groove: 65 mm

Measures resting board (WxHxD):

60x12x192 mm

SKU. 8123

04. Bench Pin

Support with screw clamp. Fits 10 to 46 mm thick benches.

Painted steel.

SKU. 6548



01.

01. Third Hand Support

Mounting aid made of metal.

Color: black/silver

Delivery unit:

- Slot blade: 1.8 mm
- Cross slot blade: 2.0 mm
- Nutdriver blade star: 2.2/2.5 mm
- Nutdriver blade hexagonal: 2.5 mm

SKU. 6650



02.



03.

02. Third Hand Eco

Third Hand Economic made of crystal blue plastic. With anti-slip surface and seven inserts.

Color: cristal blue

Delivery unit:

- Slotblade: 1.6/1.8 mm
- Cross slotblade: 1.5/1.8 mm
- Nutdriver blade hexagonal: 2.3/2.6 mm

SKU. 6384

03. Horn Anvil

A classical horn anvil that stands on the workbench. It has one round and one flat horn.

SKU. 8124



01. Tool Pouch

Small pouch that includes 12 tools.

Measures (WxHxD): 225x25x145 mm

Delivery unit:

- Temple Angling Pliers
- Inclination Pliers
- Long Flat Nose Pliers
- Cutting Pliers
- Tweezers
- PD Stick
- Universal screwdrivers (Slot 1.5/1.8/2.3 mm; Cross slot 1.5 mm)
- Various screwdrivers blades
- Universal nutdriver
- Tube with screws & tube with pads
- Zipper pouch

SKU. 8128



01. & 03. Pile Cases with Partition
flat and high

Pile Cases with Partition

Pile cases with two partitions to separately store lenses (up to diameter 75 mm) and two partitions to store screws and small parts. Up front is a small space for labels. The cases are stackable.

Workshop tip

By using different color you can always keep an eye on important or urgent orders.

01. Pile Cases with Partition, Flat

Measures (WxHxD): 170x45x260 mm
Measures label field (WxH): 80x25 mm

yellow	SKU. 6554.700
blue	SKU. 6554.600
green	SKU. 6554.500
transp. smoky	SKU. 6554.200
white	SKU. 6554.150
transparent	SKU. 6554.001
red	SKU. 6554.800

from 10 pcs. per color

02. Pile Cases, Flat (without fig.)

Like 01., though without partitions and lens store.

yellow	SKU. 6557.700
blue	SKU. 6557.600
green	SKU. 6557.500
transp. smoky	SKU. 6557.200
white	SKU. 6557.150
transparent	SKU. 6557.001
red	SKU. 6557.800

from 10 pcs. per color

03. Pile Cases with Partition, High

Measures (WxHxD): 170x70x260 mm
Measures label field (WxH): 80x25 mm

yellow	SKU. 6558.700
blue	SKU. 6558.600
green	SKU. 6558.500
transp. smoky	SKU. 6558.200
white	SKU. 6558.150
transparent	SKU. 6558.001
red	SKU. 6558.800

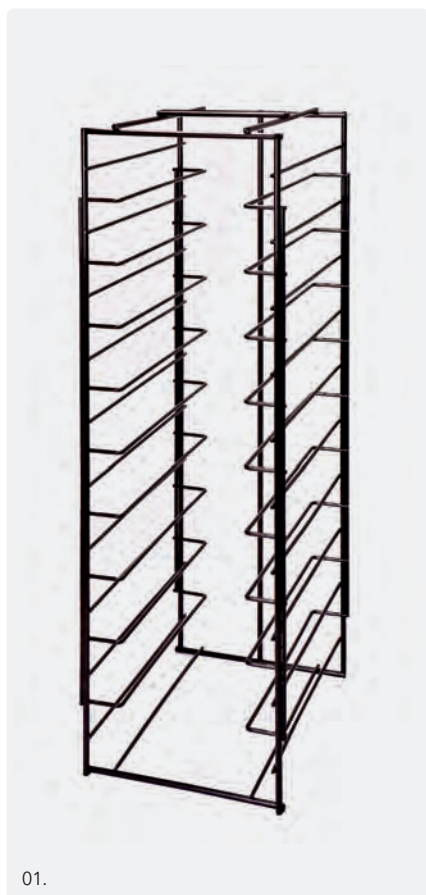
from 10 pcs. per color

04. Pile Cases, High (without fig.)

Like 03., though without partitions and lens store.

yellow	SKU. 6559.700
blue	SKU. 6559.600
green	SKU. 6559.500
transp. smoky	SKU. 6559.200
white	SKU. 6559.150
transparent	SKU. 6559.001
red	SKU. 6559.800

from 10 pcs. per color



01.

Optical Tray Stand

Stable metal stand for pile cases. Due to the slight narrowing the cases are stored safely and stable in the stand. With the handle at the top the whole stand can be moved with ease.

Delivery without cases.

01. Optical Tray Stand, Flat

Space for ten flat pile cases
SKU. 6554 or 6557.

Color: black

Measures (WxHxD): 190x630x250 mm

SKU. 6565

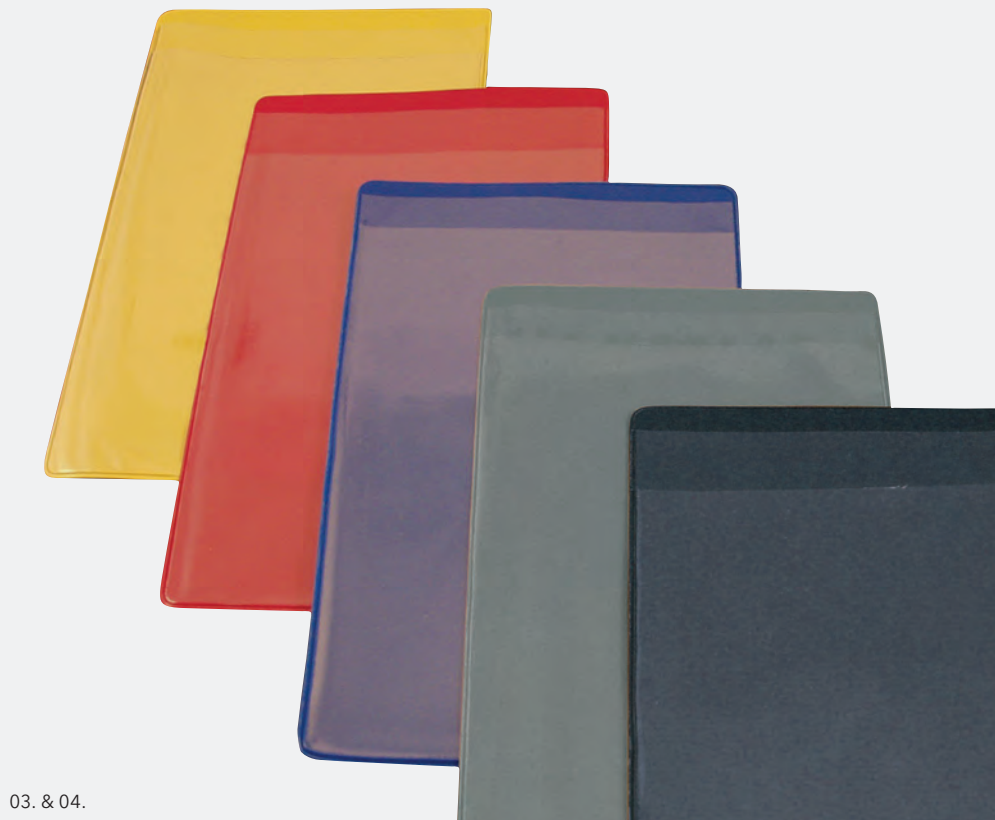
02. Optical Tray Stand, High (without fig.)

Space for eight high pile cases
SKU. 6558 or 6559.

Color: black

Measures (WxHxD): 190x610x250 mm

SKU. 6562



03. & 04.

03. Order Bags

Plastic order bags with two pockets.

Measures (WxD): 200x120 mm

Delivery unit: 20 pcs.

black	SKU. 6700.100.20
grey	SKU. 6700.200.20
blue	SKU. 6700.600.20
red	SKU. 6700.800.20
yellow	SKU. 6700.700.20

04. Order Bags Set, assorted colors

Delivery unit: 100 pcs., 20 pcs. per color

SKU. 6700.Set



Order bags

Order Bags



01. Transparent Order Bags

Open working bags with transparent front and back. Reinforced with additionally sewed in artificial leather. Made in Germany. Material: Hard PVC, UV resistant, scratch-proof
Pleat width: 28 mm
Measures for DIN A6 (WxH): 160x120 mm
Measures for DIN A5 (WxH): 225x160 mm
Delivery unit: 25 pcs.

Format		Color	SKU.
for DIN A6 open		black	6737.100
		blue	6737.600
		yellow	6737.700
		red	6737.800
for DIN A6 open with slot pocket		black	6738.100
		blue	6738.600
		yellow	6738.700
		red	6738.800
for DIN A6 with pocket and cover flap		black	6739.100
		blue	6739.600
		yellow	6739.700
		red	6739.800
for DIN A5 open		black	6740.100
		blue	6740.600
		yellow	6740.700
		red	6740.800
for DIN A5 open with slot pocket		black	6741.100
		blue	6741.600
		yellow	6741.700
		red	6741.800
for DIN A5 with pocket and cover flap		black	6742.100
		blue	6742.600
		yellow	6742.700
		red	6742.800



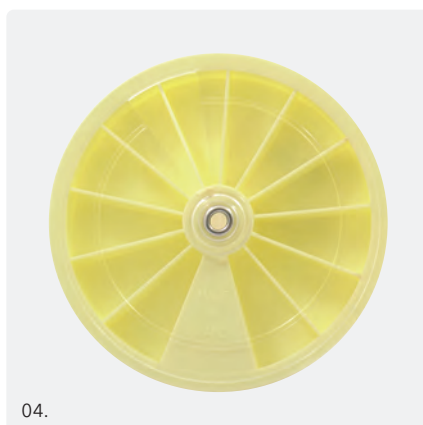
01.



03.



02.



04.

01. Organizer Box Magazin, 50 Drawers

Unloaded, incl. 50 separators.

Measures (BxHxT): 300x480x135 mm

SKU. 6780

02. Organizer Box Magazin, 16 Drawers

Unloaded, incl. 16 separators.

Measures (WxHxD): 300x285x135 mm

SKU. 6770

03. Box for Twist Drills and Millers

Practical small box with space for an assortment of 10 small drills or millers.

Measures (WxHxD): 86x11x55 mm

SKU. 7840

04. Screw Case with 12 Compartments

This circular screw case has 12 compartments with a turnable lid that closes tight to avoid things falling out.

Diameter: 84 mm

SKU. 7714

Organizer Boxes



Organizer Box with sorting insert

01. Organizer Box, Transparent

This box offers space for the sorting insert of your choice.

Outer measures (WxHxD):
190x18x126 mm

Inner measures (WxHxD):
185x10x108 mm

SKU. 6399.001

02. Organizer Box, Blue

Like 01., though blue box with transparent cover.

SKU. 6399.600

03. Organizer Box, Red

Like 01., though red box with transparent cover.

SKU. 6399.800

04. Sorting Insert, 9 Compartments

Transparent sorting insert with 9 compartments suitable for organizer box SKU 6399.

Inner measures/compartment (WxHxD):
59x10x33 mm

Outer measures (WxHxD):
184x11x111 mm

SKU. 6399.9



01.



02.



03.

05. Sorting Insert, 15 Compartments

Transparent sorting insert with 15 compartments suitable for organizer box SKU 6399.

Inner measures/compartment (WxHxD):
35x10x33 mm

Outer measures (WxHxD):
184x11x111 mm

SKU. 6399.15



04.



05.



06.

06. Sorting Insert, 24 Compartments

Transparent sorting insert with 24 compartments suitable for organizer box SKU 6399.

Inner measures/compartment (WxHxD):
28x10x24 mm

Outer measures (WxHxD):
184x11x111 mm

SKU. 6399.24



01.



02.

01. Wooden Pliers Stand

This wooden stand fits 10-12 pliers. Leaves pliers clearly arranged for guaranteed faster and efficient working.

Measures (WxHxD): 210x135x112 mm

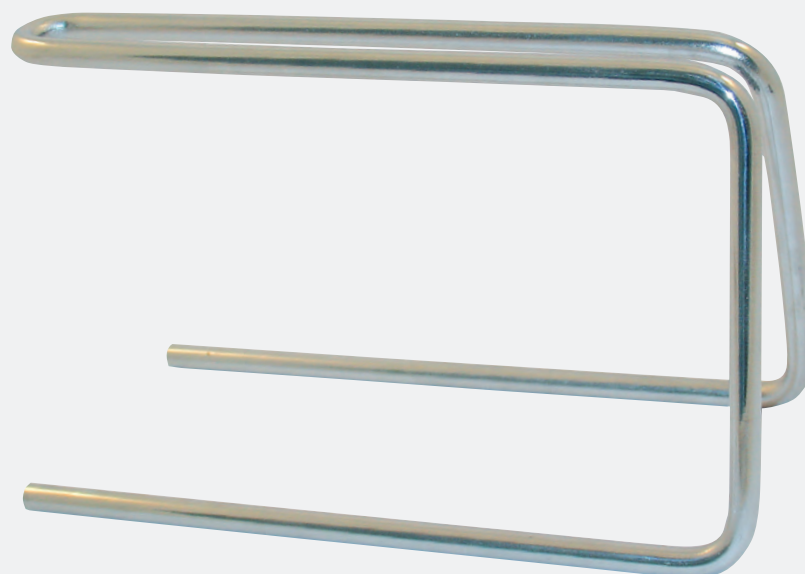
SKU. 7601

02. Magnetic Tool Bar

A practical magnetic tool bar that can be screwed to the wall on which all pliers, files, etc.

Length: 500 mm

SKU. 7718



03.



03. Metal Pliers Stand

The smallest and simplest alternative.
Measures (WxHxD): 200x120x85 mm

SKU. 7602

04. Pliers Stand

A tool rack for the workshop or shop floor. The rails are made of metal and the sides are out of plastic.

long (15-20 pliers)

Measures (WxHxD): 290x120x120 mm

SKU. 7604.280

middle (10-12 pliers)

Measures (WxHxD): 210x120x120 mm

SKU. 7604.200

short (5-6 pliers)

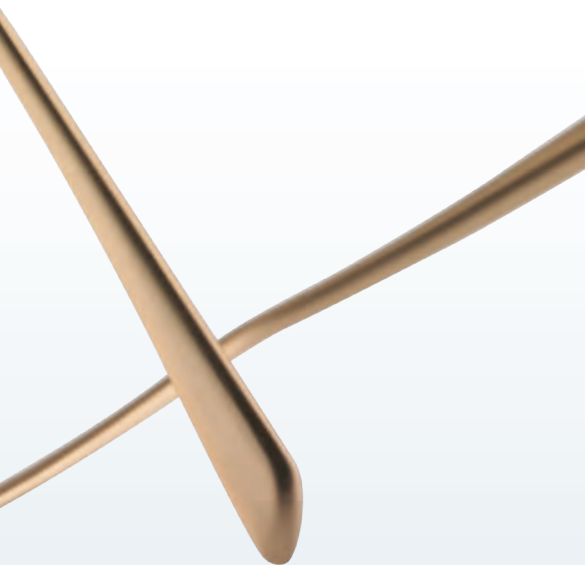
Measures (WxHxD): 130x120x120 mm

SKU. 7604.120



FRAME PARTS

Temple Tips	118
Sports Temple Tips	120
Shrinking Tubes & Ear Hooks	122
Sticker Pads	123
Metal Temples	124
Windsor Rings	125
Screws, Nuts, Construction Sets & Co.	126
Pads	135



Temple Tips



01.

01. Temple Tips Wide

Inner diameter: 1.45 mm
Max. width: 8 mm
Length: 65 mm
Delivery unit: 5 Pairs

green	SKU. 6811.500
brown	SKU. 6811.300
black	SKU. 6811.100
burgundy	SKU. 6811.801
transparent	SKU. 6811.001



02.

02. Temple Tips Long

Inner diameter: 1.45 mm
Insert length: 113 mm
Length: 123 mm
Delivery unit: 5 Pairs

black	SKU. 6809.100
havanna	SKU. 6809.300



01. Temple Tips Set

30 Pairs transparent, brown and black temple tips in two sizes.

Inner diameter: 1.45 mm

Measures (LxW): 65x5.45 mm

Colors: transparent, brown, black

Inner diameter: 1.35 mm

Measures (LxW): 65x8 mm

Colors: transparent, brown, black

Delivery unit:

30 Pairs, 5 Pairs per color/diameter, incl. Plastic case

SKU. 6836

02. Temple Tips Slim

Inner diameter: 1.35 mm

Max. width: 5.5 mm

Length: 65 mm

Delivery unit: 5 Pairs

brown SKU. 6827.300

black SKU. 6827.100

03. Temple Tips Extra Slim

Inner diameter: 1.05 mm

Length: 65 mm

Delivery unit: 5 Pairs

black SKU. 6848.100

brown SKU. 6848.300

transparent SKU. 6848.001

04. Silicone Temple Tips

The temple tip does not have to be warmed to be fitted over the temple.

Inner diameter: 1.35 mm

Max. width: 8 mm

Length: 65 mm

Delivery unit: 5 Pairs

black SKU. 6828.100

brown SKU. 6828.300

white-transp.SKU. 6828.001

05. Temple Tips, Wide Opening

Inner diameter: 1.2x2.5 mm

Insert length: 60 mm

Length: 70 mm

Delivery unit: 5 Pairs

black SKU. 6860

brown SKU. 6830



Frey & Winkler is a mid-size independent company founded in 1957. The company focuses on Germany with both construction and product development so that the ideas and impulses of the specialists from both fields lead to the best results in product quality.



01.

01. Sports Temple Tips for Kids 1.3 mm

Thin sports temple tips for metal temples.
Inner diameter: 1.3 mm
Outer diameter: 4.0 mm
Insert length: 12 mm
Depth: 43 mm
Length: 35 mm
Delivery unit: 1 Pair

red	SKU. 6802.800
yellow	SKU. 6802.700
green	SKU. 6802.500
grey	SKU. 6802.200
black	SKU. 6802.100
purple	SKU. 6802.830
pink	SKU. 6802.832
brown	SKU. 6802.300
light blue	SKU. 6802.610
dark blue	SKU. 6802.620
white	SKU. 6802.150

03.

02. Sports Temple Tips for Kids 1.3 mmSet

Delivery unit: 11 Pairs, 1 Pair per color

SKU. 6802.Set

03. Sports Temple Tips for Kids 1.0 mm

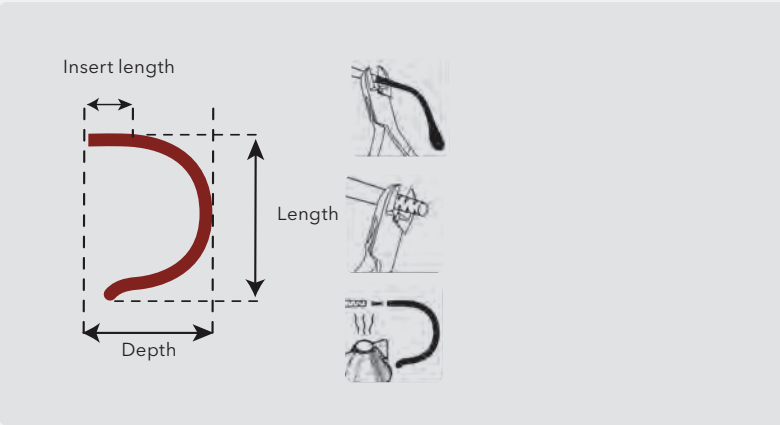
For metal temples.
Inner diameter: 1.0 mm
Outer diameter: 4.0 mm
Insert length: 12 mm
Depth: 43 mm
Length: 35 mm
Delivery unit: 1 Pairs

red	SKU. 6803.800
black	SKU. 6803.100
dark blue	SKU. 6803.620

04. Sports Temple Tips for Kids 1.0 mm Set

Delivery unit: 3 Pairs, 1 Pair per color

SKU. 6803.Set





01.



02.

01. Sports Temple Tips for Adults 1.0 mm

For metal temples.

Inner diameter: 1.0 mm
Outer diameter: 4.0 mm
Insert length: 12 mm
Depth: 43 mm
Length: 35 mm
Delivery unit: 1 Pair

black	SKU. 6801.100
brown	SKU. 6801.300
blue	SKU. 6801.600

Sports Temple Tips for Adults 1.0 mm Set

Delivery unit: 3 Pairs, 1 Pairs per color

SKU. 6801.Set

02. Sports Temple Tips for Adults 1.3 mm

For metal temples.

Inner diameter: 1.3 mm
Outer diameter: 4.2 mm
Insert length: 12 mm
Depth: 55 mm
Length: 42 mm
Delivery unit: 1 Pair

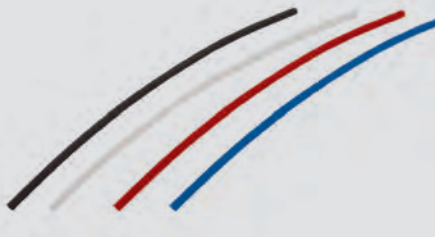
black	SKU. 6800.100
white	SKU. 6800.150
grey	SKU. 6800.200
dark brown	SKU. 6800.310
burgundy	SKU. 6800.801
blue	SKU. 6800.600

Sports Temple Tips for Adults 1.3 mm Set

Delivery unit: 6 Pairs, 1 Pair per color

SKU. 6800.Set

Shrinking Tubes & Ear Hooks



01.

01. Shrinking Tubes 3.2 mm

Polyolefin based shrinking tubes for sports temple tips.
Shrink by about 50% diamter.
Inner diameter before shrinking: 3.2 mm
Length: 200 mm
Delivery unit: 5 Pairs

black	SKU. 6838.100
transparent	SKU. 6838.001
blue	SKU. 6838.600



02.

02. Ear Hooks Large

Ear Hooks for attaching at the temple for a safe hold during sports activities.
Temple opening: 5.5x4.5 mm
Length: 35 mm
Delivery unit: 1 Pair

black	SKU. 6858.100
light blue	SKU. 6858.610
rose	SKU. 6858.810
brown	SKU. 6858.300
light green	SKU. 6858.520
white-transp.	SKU. 6858.001



03.

03. Ear Hooks Small

Ear Hooks for attaching at the temple for a safe hold during sports activities.
Temple opening: 4.5x2.0 mm
Length: 20 mm
Delivery unit: 1 Pair

black	SKU. 6859.100
light blue	SKU. 6859.610
rose	SKU. 6859.810
brown	SKU. 6859.300
light green	SKU. 6859.520
white-transp.	SKU. 6859.001



01. Silicone Sticker Pads Large



03. Foam Sticker Pads (L)



01. Silicone Sticker Pads Half-Round



03. Foam Sticker Pads (M)



01. Silicone Sticker Pads Small



03. Foam Sticker Pads (S)

01. Silicone Sticker Pads

The stickers made of clear silicone make every nosepad soft and skid-proof.

Delivery unit: 20 Pairs

17.0 mm SKU. 8306.groß

19.0 mm SKU. 8306.halbrund

10.0 mm SKU. 8306.klein

02. Sticker Pads Set (without fig.)

Set with 180 silicone and foam sticker pads.aufklebern. The stickers make every nosepad soft and skid-proof.

Delivery unit:

Silicone sticker pads 10 Pairs each large, small, half-round

Foam Sticker Pads 20 Pairs each L, M, S

SKU. 8311

03. Foam Sticker Pads

The stickers made of foam make every nosepad soft and skid-proof.

Delivery unit: 40 Pairs

19.0 mm SKU. 8310.L

16.0 mm SKU. 8310.M

12.5 mm SKU. 8310.S

Metal Temples



01. Metal Temples with Spring Hinge

Including temple tips.

Roll width: 1.0 mm	
Length: 135 mm	
Delivery unit: 5 Pairs	
black	SKU. 6903.100
gold	SKU. 6903.003
silver	SKU. 6903.004

Roll width: 1.2 mm	
Length: 135 mm	
Delivery unit: 5 Pairs	
black	SKU. 6902.100
gold	SKU. 6902.003
silver	SKU. 6902.004

Roll width: 1.4 mm	
Stop width: 3,3 mm	
Length: 135 mm	
Delivery unit: 5 Pairs	
black	SKU. 6901.100
gold	SKU. 6901.003



02. Metal Temples, filigree

With temple tips.
Roll width: 0.8 mm
Temple height: 2.3 mm
Length: 140 mm
Delivery unit: 5 Pairs

black	SKU. 6909.100
gold	SKU. 6909.003
silver	SKU. 6909.004



03. Metal Temples, Standard II

With temple tips.
Roll width: 1.2 mm
Temple height: 3.2 mm
Length: 140 mm
Delivery unit: 5 Pairs

black	SKU. 6900.100
gold	SKU. 6900.003
silver	SKU. 6900.004



01. havanna light brown



01. black



01. havanna brown



01. havanna grey

01. Windsor Ring

Inner diameter: 1.8 mm

Outer diameter: 2.1 mm

Delivery unit: 1.4 m

havanna light brown SKU. 6841.320

havanna brown SKU. 6841.350

black SKU. 6841.100

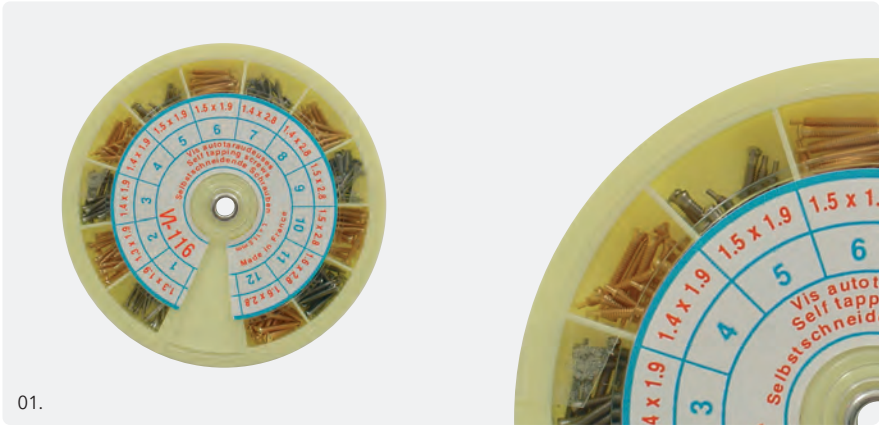
havanna grey SKU. 6841.360

Screws, Nuts & Co.

01. Screws Set Long

300 long stainless steel screws for rimless glasses in different thread and head sizes.
Delivery in plastic case.

SKU. 7606



Thread	Length	Head-ø	Compart.-No.	Color	Set	Picture	SKU.
M 1.3	11.0 mm	1.9 mm	1	stainless steel	25 Pcs.		7160.004
M 1.3	11.0 mm	1.9 mm	2	gilded	25 Pcs.		7160.003
M 1.4	11.0 mm	1.9 mm	3	stainless steel	25 Pcs.		7161.004
M 1.4	11.0 mm	1.9 mm	4	gilded	25 Pcs.		7161.003
M 1.5	11.0 mm	1.9 mm	5	stainless steel	25 Pcs.		7162.004
M 1.5	11.0 mm	1.9 mm	6	gilded	25 Pcs.		7162.003
M 1.4	11.0 mm	2.8 mm	7	stainless steel	25 Pcs.		7163.004
M 1.4	11.0 mm	2.8 mm	8	gilded	25 Pcs.		7163.003
M 1.5	11.0 mm	2.8 mm	9	stainless steel	25 Pcs.		7164.004
M 1.5	11.0 mm	2.8 mm	10	gilded	25 Pcs.		7164.003
M 1.6	11.0 mm	2.8 mm	11	stainless steel	25 Pcs.		7165.004
M 1.6	11.0 mm	2.8 mm	12	gilded	25 Pcs.		7165.003

02. Screws, Nuts and Sleeves Set

650 parts with 11 different products. Nickel silver screws and nuts with suitable nylon washers and sleeves.
Delivery in plastic case.

SKU. 7159



Thread	Length	Head-ø	Compart.-No.	Color	Set	Picture	SKU.
M 1.2	9.0 mm	1.9 mm	1	nickel silver	40 Pcs.		7166.004
M 1.2	9.0 mm	1.9 mm	2	gilded	40 Pcs.		7166.003
M 1.2	15.0 mm	1.9 mm	3	nickel silver	25 Pcs.		7167.004
M 1.2	15.0 mm	1.9 mm	4	gilded	25 Pcs.		7167.003
Outer ø	Inner ø	Height	Compart.-No.	Color	Set	Picture	SKU.
1.8 mm	1.2 mm	3.0 mm	5	transparent	80 Pcs.		7412.100
1.65 mm	1.25 mm	1.9 mm	6	transparent	50 Pcs.		7413.100
3.5 mm	1.2 mm	0.5 mm	7	transparent	130 Pcs.		7414.100
Thread	Head Type	Size	Compart.-No.	Color	Set	Picture	SKU.
M 1.2	6-Kant	2.2 mm	10	nickel silver	65 Pcs.		7233.004
M 1.2	6-Kant	2.2 mm	11	gilded	65 Pcs.		7233.003

01. Stainless Steel Screws for Pads, Hinges and Clamping Blocks

Universal usable screws with slot head.
Material: Stainless steel

Thread	Length	Head-ø	Color	Picture	SKU.
M 1.4	2.8 mm	2.8 mm	stainless steel		7144.004
M 1.4	4.8 mm	1.9 mm	stainless steel		7146.004
M 1.4	3.8 mm	2.5 mm	stainless steel		7148.004

02. Rivets

For creative self-constructions, repairs or training.

Pen-ø	Length	Head-ø	Color	Picture	SKU.
1.18 mm	12.0 mm	1.8 mm	nickel silver		7321.004



03. Stainless Steel Self-Centering Screws

With rated break point, centering point and slot head.
Material: Stainless steel or gilded stainless steel.



Thread	Length	Head-ø	Color	Picture	SKU.
M 1.2	3.5 mm	2.0 mm	stainless steel		7109.004
M 1.2	3.5 mm	2.0 mm	gilded		7109.003
M 1.2	4.0 mm	2.0 mm	stainless steel		7110.004
M 1.2	4.0 mm	2.0 mm	gilded		7110.003
M 1.4	3.5 mm	2.0 mm	stainless steel		7111.004
M 1.4	3.5 mm	2.0 mm	gilded		7111.003
M 1.4	4.0 mm	2.0 mm	stainless steel		7112.004
M 1.4	4.0 mm	2.0 mm	gilded		7112.003

Screws, Nuts & Co.

01. Nickel Silver Screws Set

800 different nickel silver screws M 1.4 in different lengths incl. star nuts M 1.4.
Delivery in plastic case.

SKU. 7154



Thread	Length	Head-ø	Compart.-No.	Color	Set	Picture	SKU.
M 1.4	3.4 mm	1.9 mm	1	nickel silver	100 Pcs.		7122.004
M 1.4	3.8 mm	1.9 mm	2	nickel silver	90 Pcs.		7123.004
M 1.4	4.4 mm	1.9 mm	3	nickel silver	80 Pcs.		7124.004
M 1.4	5.0 mm	1.9 mm	4	nickel silver	70 Pcs.		7125.004
M 1.4	5.8 mm	1.9 mm	5	nickel silver	60 Pcs.		7129.004
M 1.4	6.8 mm	1.9 mm	6	nickel silver	50 Pcs.		7132.004
M 1.4	5.2 mm	2.5 mm	7	nickel silver	80 Pcs.		7126.004
M 1.4	5.8 mm	2.5 mm	8	nickel silver	65 Pcs.		7130.004
M 1.4	6.2 mm	2.5 mm	9	nickel silver	60 Pcs.		7131.004
M 1.4	8.0 mm	2.5 mm	10	nickel silver	45 Pcs.		7135.004
M 1.4		Star 2.2	11	nickel silver	100 Pcs.		7203.004

02. Gilded Screws Set

790 parts with 9 different gilded nickel silver screws M 1.0, M 1.2 and M 1.4 in different lengths with star nuts M 1.2 and M 1.4.
Delivery in plastic case.

SKU. 7155



Thread	Length	Head-ø	Compart.-No.	Color	Set	Picture	SKU.
M 1.0	4.1 mm	1.4 mm	1	gilded	100 Pcs.		7116.003
M 1.4	3.4 mm	1.9 mm	2	gilded	85 Pcs.		7122.003
M 1.4	3.8 mm	1.9 mm	3	gilded	80 Pcs.		7123.003
M 1.4	4.4 mm	1.9 mm	4	gilded	75 Pcs.		7124.003
M 1.4	5.0 mm	1.9 mm	5	gilded	60 Pcs.		7125.003
M 1.4	6.8 mm	1.9 mm	6	gilded	50 Pcs.		7132.003
M 1.4	5.2 mm	2.5 mm	7	gilded	60 Pcs.		7126.003
M 1.2	10.0 mm	2.5 mm	8	gilded	45 Pcs.		7118.003
M 1.4	10.5 mm	2.5 mm	9	gilded	35 Pcs.		7136.003
M 1.2		Star 2.2	10	gilded	100 Pcs.		7207.003
M 1.4		Star 2.2	11	gilded	100 Pcs.		7203.003

01. Stainless Steel Screws Set

850 parts with different stainless steel screws M 1.0, M 1.2 and M1,4 in different lengths incl. nickel silver star nuts M 1.2 and M 1.4. For clamping blocks, hinges and pads.

Delivery in plastic case.

SKU. 7156



01.

Thread	Length	Head-ø	Compart.-No.	Color	Set	Picture	SKU.
M 1.0	4.1 mm	1.4 mm	1	stainless steel	100 Pcs.		7143.004
M 1.2	3.2 mm	1.7 mm	2	stainless steel	90 Pcs.		7145.004
M 1.2	4.3 mm	1.6 mm	3	stainless steel	75 Pcs.		7168.004
M 1.4	2.7 mm	1.9 mm	4	stainless steel	80 Pcs.		7172.004
M 1.4	3.1 mm	1.9 mm	5	stainless steel	75 Pcs.		7173.004
M 1.4	4.3 mm	1.8 mm	6	stainless steel	75 Pcs.		7169.004
M 1.2		Star 2.2	10	nickel silver	80 Pcs.		7207.004

02. Cross Slot Screws Set

600 stainless steel screws and 200 nickel silver nuts.

Delivery in plastic case.

SKU. 7607



02.

Thread	Length	Head-ø	Compart.-No.	Color	Set	Picture	SKU.
M 1.2	10.0 mm	2.5 mm	1	stainless steel	25 Pcs.		7180.004
M 1.2	10.0 mm	2.5 mm	2	gilded	25 Pcs.		7180.003
M 1.4	4.0 mm	2.0 mm	3	stainless steel	90 Pcs.		7181.004
M 1.4	4.0 mm	2.0 mm	4	gilded	90 Pcs.		7181.003
M 1.4	5.0 mm	2.0 mm	5	stainless steel	85 Pcs.		7182.004
M 1.4	5.0 mm	2.0 mm	6	gilded	85 Pcs.		7182.003
M 1.4	5.0 mm	2.5 mm	7	stainless steel	75 Pcs.		7183.004
M 1.4	5.0 mm	2.5 mm	8	gilded	75 Pcs.		7183.003
M 1.4	10.0 mm	2.5 mm	9	stainless steel	25 Pcs.		7184.004
M 1.4	10.0 mm	2.5 mm	10	gilded	25 Pcs.		7184.003

01. Nickel Silver Screws

Universal screws e.g. for frames and rimless glasses in nickel silver and gilded, with slot head.

Delivery unit: 100 Pcs.

Thread	Length	Head-ø	Color	Picture	SKU.
M 1.0	4.1 mm	1.4 mm	gilded		7116.003
M 1.16	3.5 mm	1.6 mm	nickel silver		7117.004
M 1.2	10.0 mm	2.5 mm	nickel silver		7118.004
M 1.2	10.0 mm	2.5 mm	gilded		7118.003
M 1.2	12.0 mm	1.8 mm	nickel silver		7119.004
M 1.2	12.0 mm	1.8 mm	gilded		7119.003
M 1.3	7.0 mm	1.9 mm	nickel silver		6592.004
M 1.3	7.0 mm	1.9 mm	gilded		6592.003
M 1.3	10.0 mm	1.9 mm	nickel silver		7120.004
M 1.3	10.0 mm	1.9 mm	gilded		7120.003
M 1.27	3.4 mm	1.7 mm	nickel silver		7121.004
M 1.27	3.4 mm	1.7 mm	gilded		7121.003
M 1.4	5.4 mm	1.9 mm	nickel silver		7127.004
M 1.4	5.4 mm	1.9 mm	nickel silver		7128.004
M 1.4	5.4 mm	1.9 mm	gilded		7128.003
M 1.4	5.8 mm	1.9 mm	gilded		7129.003
M 1.4	5.8 mm	1.9 mm	nickel silver		7129.004
M 1.4	7.0 mm	2.5 mm	nickel silver		7133.004
M 1.4	10.5 mm	2.5 mm	gilded		7136.003
M 1.4	10.5 mm	2.5 mm	nickel silver		7136.004
M 1.5	10.0 mm	2.5 mm	nickel silver		7137.004
M 1.5	10.0 mm	2.5 mm	gilded		7137.003
M 1.6	10.0 mm	2.5 mm	nickel silver		7138.004
M 1.6	10.0 mm	2.5 mm	gilded		7138.003

01. Screws Set

Different screws in practical organizer box.

Delivery unit:

100 Pcs. each in red organizer box,
2,400 Pcs. in total

SKU. 6728

Screws for frames and rimless glasses

SKU.	Thread	Length
7116.004 / 003	M 1.0	4.1 mm
7138.004 / 003	M 1.6	10.0 mm
7118.004 / 003	M 1.2	10.0 mm
7119.004 / 003	M 1.2	12.0 mm
7122.004 / 003	M 1.4	3.5 mm
7126.004 / 003	M 1.4	5.2 mm
7128.004 / 003	M 1.4	5.4 mm

Stainless steel self-centering screws

SKU.	Thread	Length
7109.004 / 003	M 1.2	3.5 mm
7110.004 / 003	M 1.2	4.0 mm
7111.004 / 003	M 1.4	3.5 mm
7112.004 / 003	M 1.4	4.0 mm

Stainless steel screws for pads, hinges and clamping blocks

SKU.	Thread	Length
7143.004	M 1.0	4.1 mm
7144.004	M 1.4	2.8 mm
7145.004	M 1.4	4.8 mm



01.

02. Small Parts Set Rimless Glasses

Different small parts for glazing rimless glasses in practical organizer box.

Delivery unit:

100 Pcs. each in blue organizer box,
2,400 Pcs. in total

SKU. 6729

Plastic Dowels

SKU.
6597.4,0 / 6597.7,0 / 7424.7,0 (75 Pcs.)

Metal Washers

SKU.	Outer/inner ø	Height
7421.004 / 003	2,5 / 1,3	0,4
7423.004 / 003	2,5 / 1,5	0,4
7420.004 / 003	2,5 / 1,2	0,4

Unterlegscheiben Nylon

SKU.	Outer/inner ø	Height
7406	3,0 / 1,45	0,5
7408	2,5 / 1,25	0,5
7407	3,0 / 1,8	0,4

Nuts

SKU.	Thread/Size	Head Type
7207.004 / 003	1,2 / 2,2	Star
7208.004 / 003	1,4 / 2,5	Star
7210.004 / 003	1,6 / 2,5	Star
7222.004 / 003	1,4 / 2,2	Cap open
7211.004 / 003	1,4 / 2,2	Cap closed
7230.004 / 003	1,2 / 2,2	Cap closed



02.

01. Dowel System Premium

Transparent dowel systems in different sizes and hardships.



Outer ø	Inner ø	Length	Material	Hardship	Picture	SKU.
1.4 mm	0.8 mm	2.2 mm	Polyamid	soft		7433.1.
				medium		7433.2.
				hard		7433.3.
1.4 mm	0.8 mm	6.4 mm	Polyamid	soft		7434.1.
				medium		7434.2.
				hard		7434.3.
1.8 mm	1.4 mm	6.4 mm	Polyamid	soft		7435.1.
				medium		7435.2.
				hard		7435.3.

02. Dowel System ECO

With those dowels titanium and plastic frames can be glazed perfectly.



Outer ø	Inner ø	Length	Material	Hardship	Picture	SKU.	
1.4 mm	0.8 mm	2.2 mm	Nylon	transp.		6597.2,2.	20 Pcs.
1.4 mm	0.8 mm	4.0 mm	Nylon	transp.		6597.4,0	100 Pcs.
1.4 mm	0.8 mm	7.0 mm	Nylon	transp.		6597.7,0.	1,000 Pcs.
for Rimless Frames with Plastic Lenses:							
2.0 mm	1.4 mm	7.0 mm	Nylon	transp.		7424.7,0	25 Pcs.

Workshop tip

The glazing of rimless glasses with dowel systems works much better, easier and safer with the right pliers.

03. Construction Set 12 Joints

Construction Set for a metal frame with 12 joints incl. temple tips and nose pads.

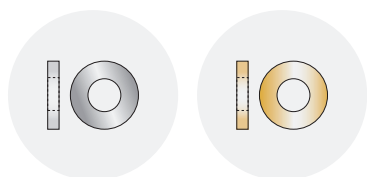
Difficulty: high

SKU. 6197.12



01. Metal Washers

Nickel silver and gilded washers with different diameters.



Outer ø	Inner ø	Height	Color	Picture	SKU.
2.5 mm	1.2 mm	0.4 mm	nickel silver		7420.004
2.5 mm	1.2 mm	0.4 mm	gilded		7420.003
2.5 mm	1.3 mm	0.4 mm	nickel silver		7421.004
2.5 mm	1.3 mm	0.4 mm	gilded		7421.003
2.5 mm	1.4 mm	0.4 mm	nickel silver		7422.004
2.5 mm	1.4 mm	0.4 mm	gilded		7422.003
2.5 mm	1.5 mm	0.4 mm	nickel silver		7423.004
2.5 mm	1.5 mm	0.4 mm	gilded		7423.003

02. Metal Washers

Nickel silver metal washers.

Outer ø	Inner ø	Material	Picture	SKU.	.
2.5 mm	1.25 mm	nickel silv.		7409.2,5.100	100 Pcs.
2.5 mm	1.25 mm	nickel silv.		7409.2,5.1000	1,000 Pcs.
3.0 mm	1.45 mm	nickel silv.		7409.3,0.100	100 Pcs.
3.0 mm	1.45 mm	nickel silv.		7409.3,0.1000	1,000 Pcs.
3.0 mm	1,15 mm	nickel silv.		7440.3,0.100	100 Pcs.
3.0 mm	1,15 mm	nickel silv.		7440.3,0.1000	1,000 Pcs.

03. Nylon Washers

Nylon and plastic washers in matt and clear in different diameters.

Outer ø	Inner ø	Height	Picture	SKU.	
2.5 mm	1.25 mm	0.5 mm		7408.100	100 Pcs.
2.5 mm	1.25 mm	0.5 mm		7408.1000	1,000 Pcs.
3.0 mm	1.45 mm	0.5 mm		7406.100	100 Pcs.
3.0 mm	1.45 mm	0.5 mm		7406.1000	1,000 Pcs.
2.75 mm	1.45 mm	0.4 mm		7428.150	100 Pcs.
3.0 mm	1.5 mm	0.5 mm		7419.004	100 Pcs.
3.0 mm	1.6 mm	0.5 mm		7427.004	100 Pcs.
3.0 mm	1.8 mm	0.4 mm		7407.100	100 Pcs.
3.0 mm	1.8 mm	0.4 mm		7407.1000	1,000 Pcs.
3.0 mm	2.0 mm	0.5 mm		7426.004	100 Pcs.
3.2 mm	1.6 mm	0.5 mm		7417.100	100 Pcs.

04. Plastic Bushings, Plastic Sleeves, Screw Caps

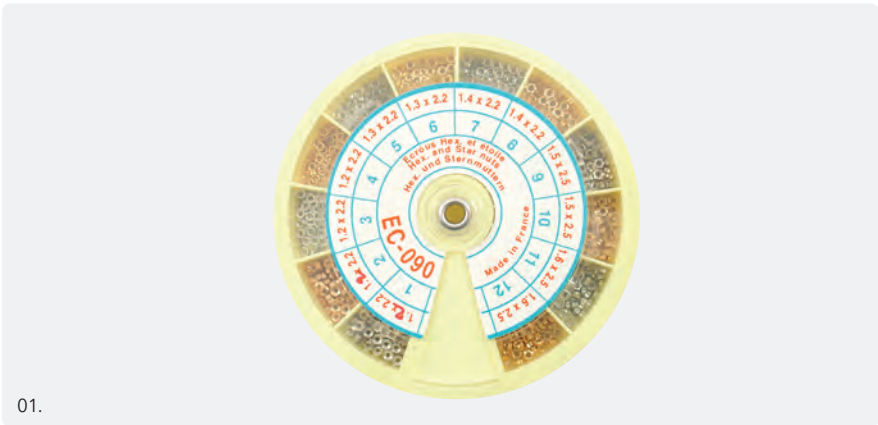
Outer ø	Inner ø	Height	Picture	SKU.	
2.05 mm	1.32 mm	1.3 mm		7429.004	100 Pcs.
1.75 mm	1.4 mm	2.0 mm		7431.004	100 Pcs.
1.8 mm	1.2 mm	1.3 mm		7432.004	100 Pcs.
1.9 mm	1.4 mm	1.3 mm		7430.004	100 Pcs.
3.0 mm	1.45 mm	1.6 mm		7401.100	100 Pcs.
3.0 mm	1.45 mm	1.6 mm		7401.1000	1,000 Pcs.
3.0 mm	1.45 mm	2.0 mm		7402.100	100 Pcs.
3.0 mm	1.45 mm	2.0 mm		7402.1000	1,000 Pcs.
2.5 mm	1.45 mm	2.3 mm		7403.100	100 Pcs.
2.5 mm	1.45 mm	2.3 mm		7403.1000	1,000 Pcs.
2.5 mm	1.45 mm	2.0 mm		7404.100	100 Pcs.
2.5 mm	1.45 mm	2.0 mm		7404.1000	1,000 Pcs.
2.5 mm	1.25 mm	2.3 mm		7405.100	100 Pcs.
2.5 mm	1.25 mm	2.3 mm		7405.1000	1,000 Pcs.
1.8 mm	1.2 mm	5.0 mm		7418.100	100 Pcs.
2.5 mm	1.2 mm	3.5 mm		6598.20	20 Pcs.
3.1 mm	1.4 mm	3.5 mm		6599.20	20 Pcs.

Screws, Nuts & Co.

01. Nuts Set

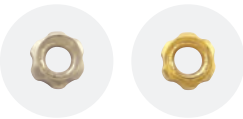
1,200 parts with 12 different nickel silver or gilded star and hexagonal nuts.
Delivery unit: 100 pcs.

SKU. 7201



02. Muttern

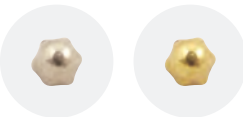
Various nickel silver or gilded star nuts.
Delivery unit: 100 pcs.



03. Cap Nuts

Various nickel silver or gilded star and cap nuts.
Delivery unit: 100 pcs.

Nickel silver blank oder gilded.



04. More Nuts

Not included in the set.
Delivery unit: 100 pcs.

Thread	Head Type	Size	Com-part.-No.	Color	Refill-SKU.
M 1.3	Star	2.2 mm	5	nickel silver	7204.004
M 1.3	Star	2.2 mm	6	gilded	7204.003
M 1.5	Star	2.5 mm	9	nickel silver	7209.004
M 1.5	Star	2.5 mm	10	gilded	7209.003
M 1.6	Star	2.5 mm	11	nickel silver	7210.004
M 1.6	Star	2.5 mm	12	gilded	7210.003

Thread	Head Type	Size	Com-part.-No.	Color	Refill-SKU.
M 1.2	Star/Cap	2.2 mm	3	nickel silver	7230.004
M 1.2	Star/Cap	2.2 mm	4	gilded	7230.003
M 1.4	Star/Cap	2.2 mm	7	nickel silver	7211.004
M 1.4	Star/Cap	2.2 mm	8	gilded	7211.003

Thread	Head Type	Size	Length	Color	Picture	SKU.
M 1.2	Star/Sleeve	2.5 mm	3.0 mm	nickel silver		7235.004
M 1.2	Star/Sleeve	2.5 mm	3.0 mm	gilded		7235.003
M 1.4	Star/Sleeve	2.5 mm	3.0 mm	nickel silver		7237.004
M 1.4	Star/Sleeve	2.5 mm	3.0 mm	gilded		7237.003
M 1.4	Star/Sleeve	2.5 mm	5.0 mm	nickel silver		7238.004
M 1.4	Star/Sleeve	2.5 mm	5.0 mm	gilded		7238.003
M 1.4	Star	2.5 mm		nickel silver		7208.004
M 1.4	Star	2.5 mm		gilded		7208.003

05. Conical Washers

Either of cristal clear firm Luran or ivory elastic Ultramid.
Outer diameter 2.5 mm,
Inner diameter 1.2 mm.
Each circle includes 18 washers:
7x 0.5 mm / 7x 0.7 mm / 4x 0.9 mm
The height of the thinner side is always 0.3 mm.

cristal clear/firm SKU. 7425.1
ivory/elastic SKU. 7425.2



01. EcoPads Set in Magazine, Large

Includes 3,000 Pads, 100 pairs each model.

Includes the following SKUs:

6621, 6618, 6620, 2x 6617, 2x 6619, 2x 6616, 6623, 6622, 2x 6640, 2x 6643, incl. Nose pas removing tweezers (SKU. 7509)

Measures Magazine (WxHxD):

300x285x135 mm

SKU. 6770.100

02. EcoPads Set in Magazine, Small

Includes 600 Pads, 20 pairs each model.

Includes the following SKUs:

6621, 6618, 6620, 2x 6617, 2x 6619, 2x 6616, 6623, 6622, 2x 6640, 2x 6643, incl. Pad removing tweezers (SKU. 7509)

Measures Magazine (WxHxD):

300x285x135 mm

SKU. 6770.20



Delivery with labels!

01. - 02.

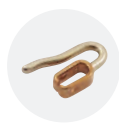
03. Nose Pad Arms

For repairs or hand made frames. Screw-in and click version. The thread is already cut.

Delivery unit: 5 pairs



Screw-in
Pad Arm



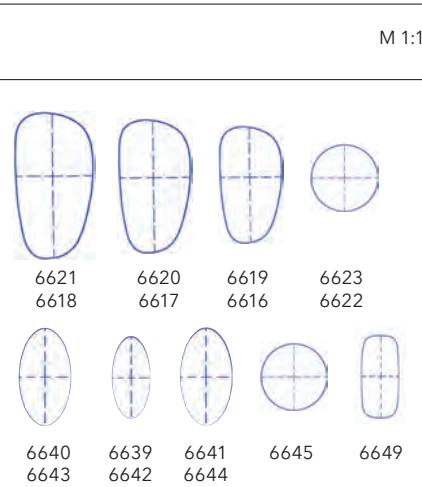
Click
Pad Arm

Type	Color	SKU.
Screw-in pad arms	nickel silver	7214.004
Click pad arms	nickel silver	7220.004

EcoPads

01. EcoPads

The most needed pads in standard version.
You find our extended Pad in the section
QualityPads „Made in Germany“.
The delivery units are defined in pairs.



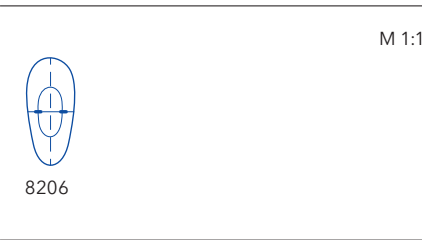
Unbeatable prices for the most
needed nose pads!

Type			Size	SKU.	Delivery Units
Classic / screw			19.0 mm	6621.	20 Pairs 100 Pairs 1,000 Pairs
Classic / click			19.0 mm	6618.	
Classic / screw			17.0 mm	6620.	
Classic / click			17.0 mm	6617.	
Classic / screw			15.0 mm	6619.	
Classic / click			15.0 mm	6616.	
Round / screw			9.0 mm	6623.	
Round / click			9.0 mm	6622.	
Oval / screw			13.0 mm	6640.	
Oval / click			13.0 mm	6643.	
Oval / screw			11.0 mm	6639.	
Oval / click			11.0 mm	6642.	
Rund / squeeze			9.0 mm	6645.	

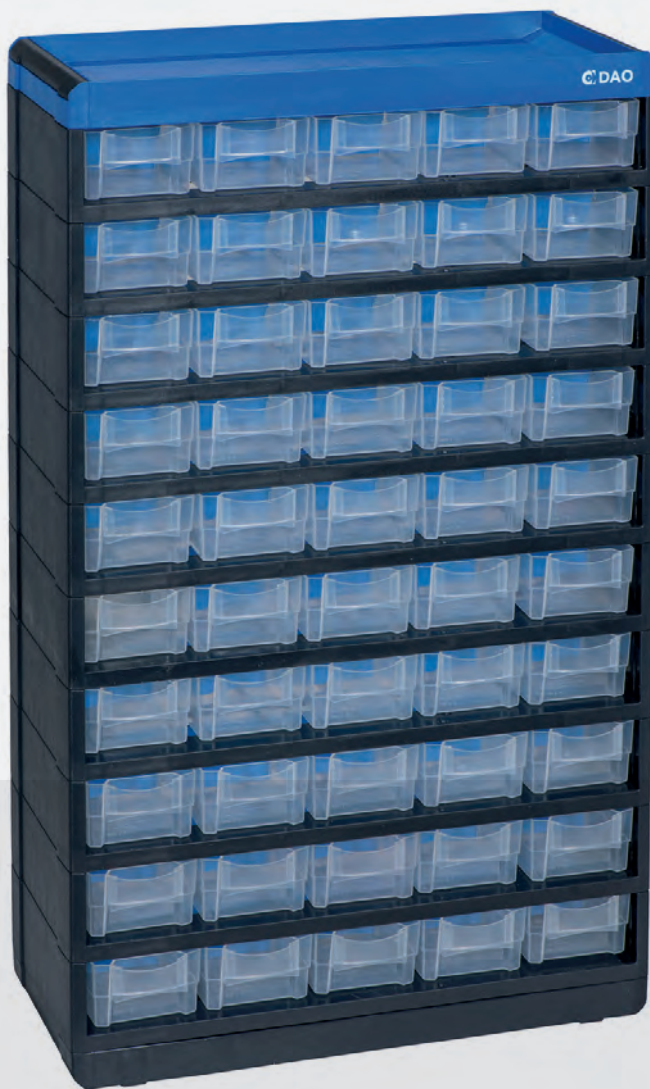
Type			Size	SKU.	Delivery Units
Ultra thin oval screw			13.0 mm	6641.	20 Pairs 100 Pairs 1,000 Pairs
Ultra thin oval click			13.0 mm	6644.	
Square squeeze			11.0 mm	6649.	

02. PVC Pads in Teardrop Shape
(Ray-Ban)

The delivery units are defined in pairs.



Type			Size	SKU.	Delivery Units
Drop / bend			15.0 mm	8206	5 Pairs



Delivery with labels!

01. QualityPads Set in Magazine

All pads and saddle bridges you need for a new opening or a restructuring of your workshop.

Content: Silicone, PVC, Acryl, Titan, Saddle bridges, Classic, Round, Oval, Screw-in, Click, Primadonna, System 3

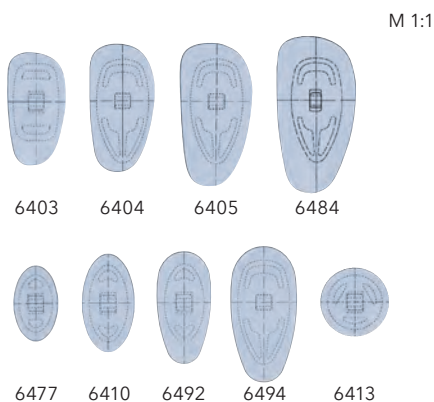
Measures Magazine (WxHxD): 300x480x135 mm

Delivery unit: 1,388 Pads/Saddle Bridges

SKU. 6781

02. Screw-In Silicone QualityPads

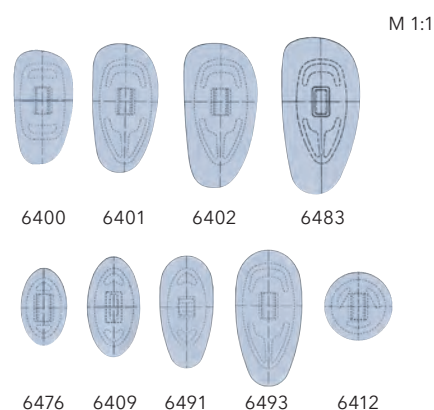
Classic, teardrop, round and oval.
Very slip-resistant, soft and supple.
A polycarbonate inlay ensures a good pressure distribution.
The delivery is defined in pairs.



Type		Size	SKU.	Delivery Units
Classic / screw			15.0 mm 6403.	20 Pairs 100 Pairs 1,000 Pairs
Classic / screw			17.2 mm 6404.	
Classic / screw			19.0 mm 6405.	
Classic / screw			21.0 mm 6484.	
Drop / screw			14.5 mm 6492.	
Drop / screw			18.0 mm 6494.	
Round / screw			9.0 mm 6413.	
Oval / screw			10.0 mm 6477.	
Oval / screw			13.0 mm 6410.	

02. Click Silicone QualityPads

Classic, teardrop, round and oval.
Very slip-resistant, soft and supple.
A polycarbonate inlay ensures a good pressure distribution.
The delivery is defined in pairs.

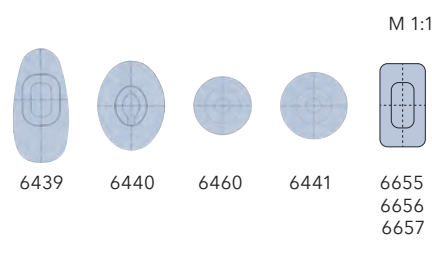


Type		Size	SKU.	Delivery Units
Classic / click			15.0 mm 6400.	20 Pairs 100 Pairs 1,000 Pairs
Classic / click			17.2 mm 6401.	
Classic / click			19.0 mm 6402.	
Classic / click			21.0 mm 6483.	
Drop / click			14.5 mm 6491.	
Drop / click			18.0 mm 6493.	
Round / click			9.0 mm 6412.	
Oval / click			10.0 mm 6476.	
Oval / click			13.0 mm 6409.	

01. Squeeze Silicone QualityPads

Shape: Classic, round and oval with mushroom-shaped foot. Slip-resistant, soft and supple.

The delivery is defined in pairs.



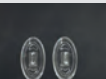
Type		Size	SKU.	Delivery Units
Classic / squeeze			15.5 mm 6439.	5 Pairs
Oval / squeeze			12.3 mm 6440.	20 Pairs
Rund / squeeze			8.0 mm 6460.	100 Pairs
Rund / squeeze			9.5 mm 6441.	5 Pairs
Rectangular System 3 extra thin			11.0 mm 6655.	20 Pairs
Rectangular System 3 Silicone free			11.0 mm 6656.	100 Pairs
Rectangular System 3			11.0 mm 6657.	

02. Primadonna Silicone QualityPads

Primadonna oval. Slip-resistant, soft and supple.

The delivery is defined in pairs.

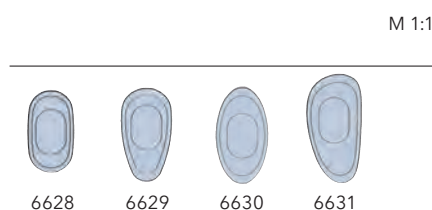


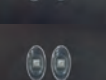
Type		Size	SKU.	Delivery Units
Oval / Primadonna			13.0 mm 6411.	20 Pairs
				100 Pairs
				1,000 Pairs

03. Screw-In Slim PVC-Soft QualityPads

Extra thin and light, but they still offer the usual comfort von silicone pads.

The delivery is defined in pairs.



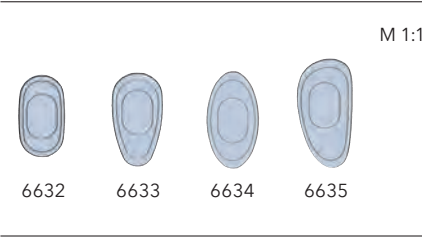
Type		Size	SKU.	Delivery Units
Slim / screw-in			11.0 mm 6628.	20 Pairs 100 Pairs 1,000 Pairs
Slim / screw-in			12.5 mm 6629.	
Slim / screw-in			13.0 mm 6630.	
Slim / screw-in			14.5 mm 6631.	

PVC Soft & Air Silicone QualityPads

01. Click Slim PVC-Soft QualityPads

Light, super thin and with a high wearing comfort.

The delivery is defined in pairs.

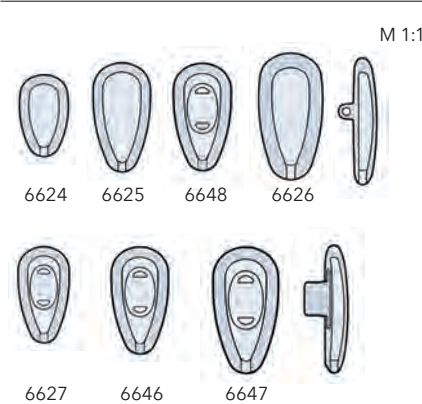


Type		Size	SKU.	Delivery Units
Slim / click			11.0 mm 6632.	20 Pairs 100 Pairs 1,000 Pairs
Slim / click			12.5 mm 6633.	
Slim / click			13.0 mm 6634.	
Slim / click			14.5 mm 6635.	

02. Air Silicone QualityPads

The integrated air cell makes the pad fit perfectly at the nose and promises a high wearing comfort.

The delivery is defined in pairs.



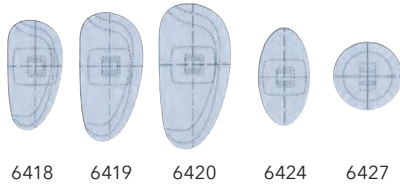
Type		Size	SKU.	Delivery Units
Air / screw			11.0 mm 6624.	5 Pairs 20 Pairs
Air / screw			14.5 mm 6625.	
Air / screw			17.0 mm 6626.	
Air / screw Very stable through polycarbonate inlay			14.5 mm 6648.	

Type		Size	SKU.	Delivery Units
Air / click Very stable through polycarbonate inlay			13.0 mm 6627.	5 Pairs 20 Pairs
Air / click Very stable through polycarbonate inlay			14.5 mm 6646.	
Air / click Very stable through polycarbonate inlay			17.0 mm 6647.	

01. Screw-In PVC-Soft QualityPads

Classic, teardrop shape, round, triangle and oval. Long life time and high resistance against discolorations. A polycarbonate inlay ensures a good pressure distribution. The delivery is defined in pairs.

M 1:1

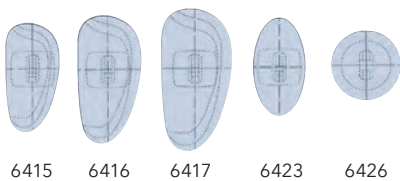


Type			Size	SKU.	Delivery Units
Classic / screw			14.5 mm	6418.	20 Pairs 100 Pairs 1,000 Pairs
Classic / screw			17.0 mm	6419.	
Classic / screw			19.0 mm	6420.	
Oval / screw			13.0 mm	6424.	
Round / screw			9.0 mm	6427.	

02. Click PVC-Soft QualityPads

Classic, teardrop shape, round, triangle and oval. Long life time and high resistance against discolorations. A polycarbonate inlay ensures a good pressure distribution. The delivery is defined in pairs.

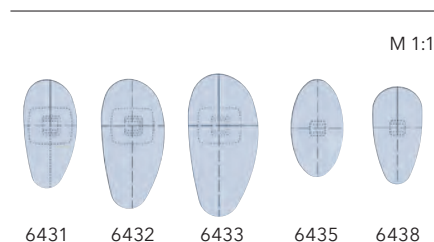
M 1:1



Type			Size	SKU.	Delivery Units
Classic / click			14.5 mm	6415.	20 Pairs 100 Pairs 1,000 Pairs
Classic / click			17.0 mm	6416.	
Classic / click			19.0 mm	6417.	
Oval / click			13.0 mm	6423.	
Round / click			9.0 mm	6426.	

01. Screw-In Acryl-Hard QualityPads

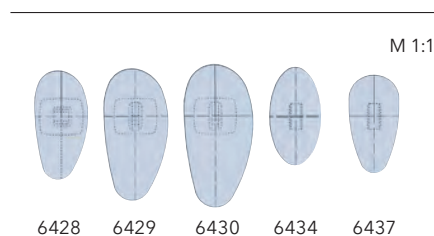
Extra long life time and very high resistance against discolorations.
The delivery is defined in pairs.



Type		Size	SKU.	Delivery Units
Classic / screw			14.5 mm 6431.	20 Pairs 100 Pairs 1,000 Pairs
Classic / screw			17.5 mm 6432.	
Classic / screw			19.0 mm 6433.	
Oval / screw extra thin			13.0 mm 6435.	
Drop / screw extra thin			13.0 mm 6438.	

02. Click Acryl-Hart QualityPads

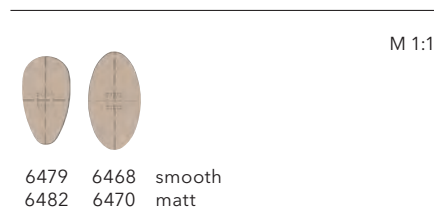
Extra long life time and very high resistance against discolorations.
The delivery is defined in pairs.



Type		Size	SKU.	Delivery Units
Classic / click			14.5 mm 6428.	20 Pairs 100 Pairs 1,000 Pairs
Classic / click			17.5 mm 6429.	
Classic / click			19.0 mm 6430.	
Oval / click extra thin			13.0 mm 6434.	
Drop / click extra thin			13.0 mm 6437.	

03. Schraub Titan QualityPads

Made of pure titan in matt or smooth.
Strongly recommended for allergy sufferers.
The delivery is defined in pairs.



Type		Size	SKU.	Delivery Units
Drop / screw smooth			11.7 mm 6479.	1 Pairs 5 Pairs 20 Pairs
Drop / screw matt			11.7 mm 6482.	
Oval / screw smooth			13.0 mm 6468.	
Oval / screw matt			13.0 mm 6470.	

04. Click Titan QualityPads

Made of pure titan in matt or smooth.
Strongly recommended for allergy sufferers.
The delivery is defined in pairs.



Type		Size	SKU.	Delivery Units
Drop / click smooth			11.7 mm 6480.	1 Pairs 5 Pairs 20 Pairs
Drop / click matt			11.7 mm 6481.	
Oval / click smooth			13.0 mm 6462.	
Oval / click matt			13.0 mm 6464.	

01. Click Silicone QualitySaddleBridges

Slip-resistant and flexibel made of soft Silicone. A polycarbonate inlay ensures a good pressure distribution. The size refers to the distance between the mountig middles at flat laying saddle bridges.

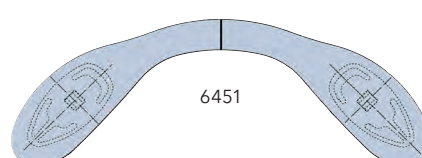
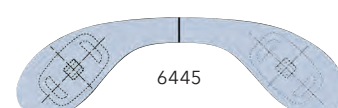
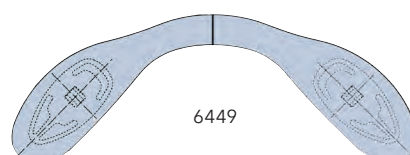
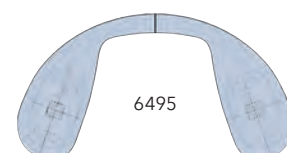
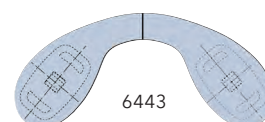
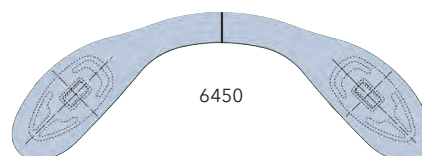
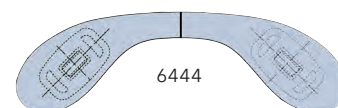
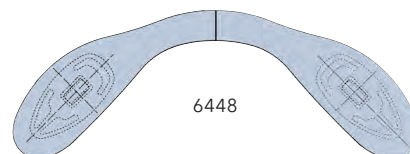
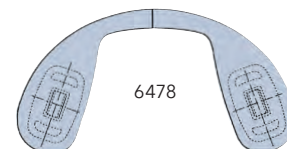
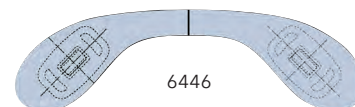
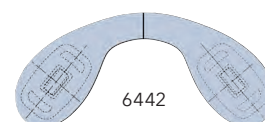
Type		Size	SKU.	Delivery Units
Saddle bridge / click			23,3 mm 6442.	5 Pcs. 20 Pcs. 100 Pcs.
Saddle bridge / click			26,5 mm 6478.	
Saddle bridge / click			28,5 mm 6444.	
Saddle bridge / click			30,5 mm 6446.	
Saddle bridge / click			36,8 mm 6448.	
Saddle bridge / click			38,8 mm 6450.	

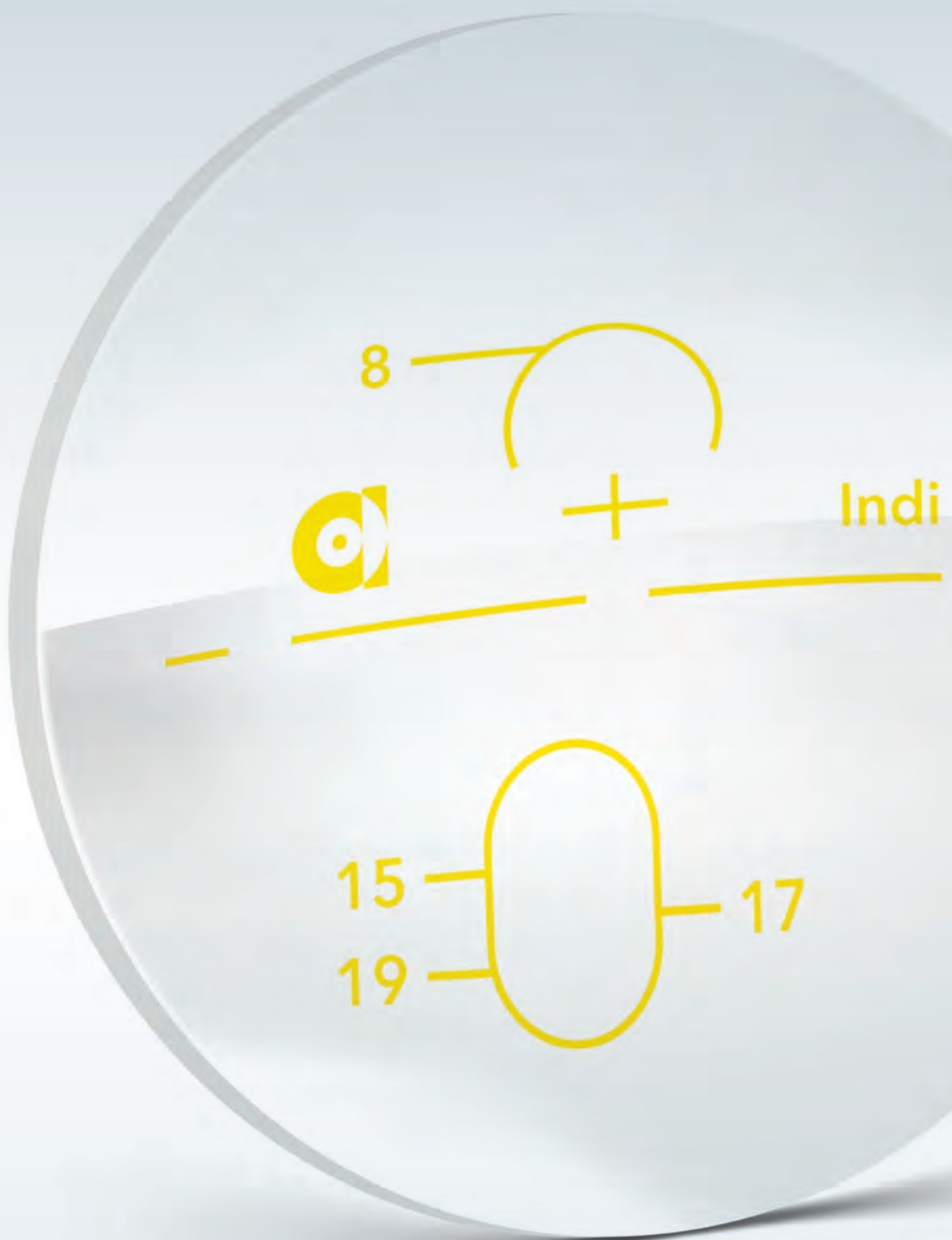
02. Screw-In Silicone QualitySaddleBridges

Slip-resistant and flexibel made of soft Silicone. A polycarbonate inlay ensures a good pressure distribution. The size refers to the distance between the mountig middles at flat laying saddle bridges.

Type		Size	SKU.	Delivery Units
Saddle bridge / screw			23.3 mm 6443.	5 Pcs. 20 Pcs. 100 Pcs.
Saddle bridge / screw			26.5 mm 6495.	
Saddle bridge / screw			28.5 mm 6445.	
Saddle bridge / screw			30.5 mm 6447.	
Saddle bridge / screw			36.8 mm 6449.	
Saddle bridge / screw			38.8 mm 6451.	

M 1:1



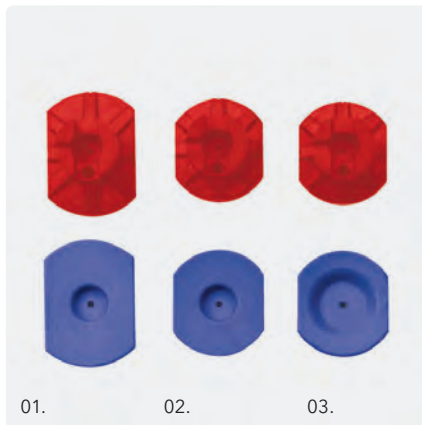


CONSUMPTION ITEMS

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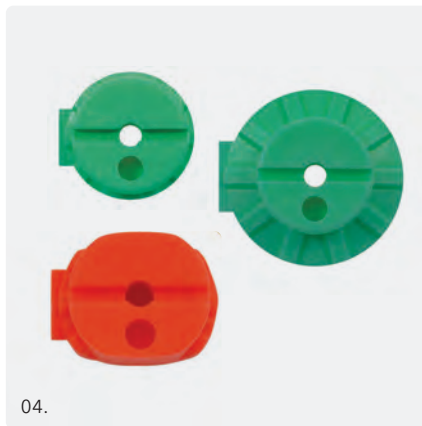
Edging Accessories



01.

02.

03.



04.

01. Huvitz Blocker, Large

Plastic blocker for all Huvitz mounts.

Delivery unit: 10 Pcs.

red SKU. 8314.100

blue SKU. 8314.200

02. Huvitz Blocker, Small

Delivery unit: 10 Pcs.

red SKU. 8312.100

blue SKU. 8312.200

03. Huvitz Blocker, Small, For High Curves

Delivery unit: 10 Pcs.

red SKU. 8313.100

blue SKU. 8313.200

04. Essilor Blocker

Plastic blocker

Delivery unit: 10 Pcs.

14 mm SKU. 8274.14

18 mm SKU. 8274.18

24 mm SKU. 8274.24



05.



06.

05. WECC, Blocker Original, White

Suitable for WECC and BRIOT edgers.

White, plastic

ø 25 mm SKU. 6594.25.1

25x20 mm SKU. 6594.20.1

06. WECC, Blocker Magnetic

Plastic blocker, exactly suitable For WECC

Edge 4XX, 5XX, 680 &

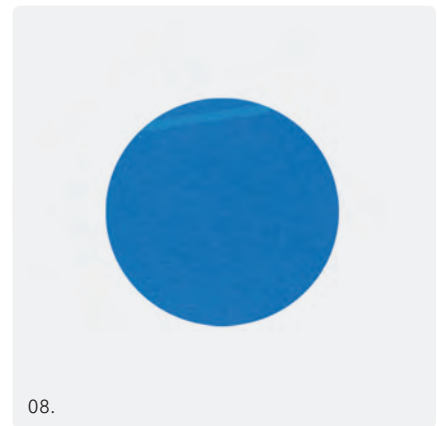
E6 Series as well as Edge 950 from 2005.

ø 25 mm SKU. 8275.groß

25x20 mm SKU. 8275.klein



07.



08.

07. Hydrostick Foil Oval

No twisting anymore at very smooth surfaces! Just stick it at the lens and put the blocker on - done.

Shape: oval

Measures (LxH): 41 x 22 mm

100 Pcs. SKU. 6680.100

1,000 Pcs. SKU. 6680.1000

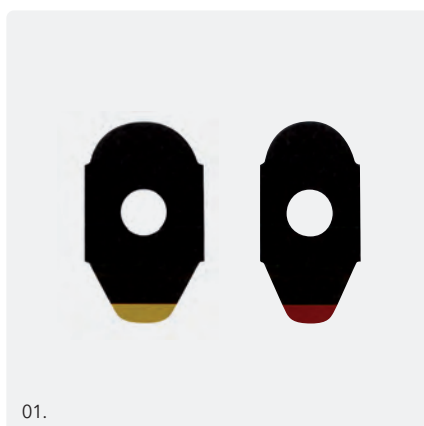
08. Lens Protections Film, 30 mm

Blue protection foils for the backside of the lens. Sticks without glue and can be removed cleanly.

Diameter: 30 mm

100 Pcs. SKU. 8220.100

1,000 Pcs. SKU. 8220.1000



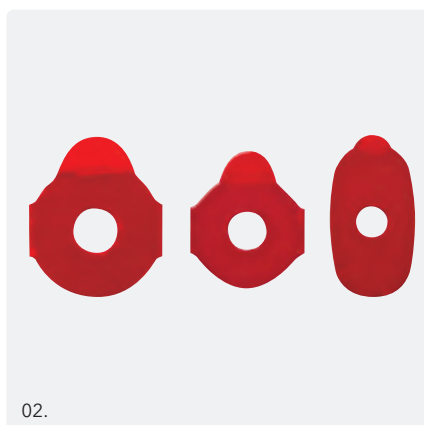
01.



03.



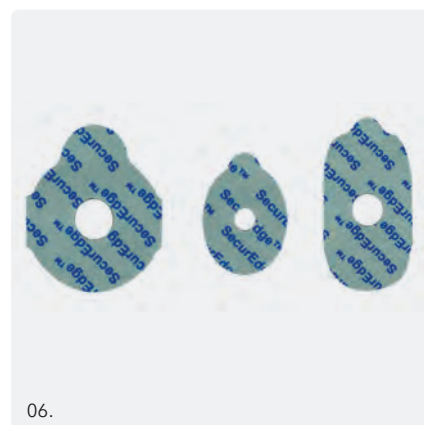
05.



02.



04.



06.

01. S.T.E.P.-YLS Blocking Pads

Very high sticking strength for super hydrophobic lenses with integrated antitorsion foil.

Axial torsional strength: very high

Special feature: yellow finger lift for lens, red finger lift for blocker.

Thickness: 0.9 mm

Material: Ethylvinylacetate foam

Delivery unit: 1,000 Pcs.

Measures (LxW): 33x24 mm, large

SKU. 7015

Measures (LxW): 33x17 mm, oval

SKU. 7016

02. Red Five Blocking Pads

Torsion-stable blocking pads with excellent sticking strength. Can be removed from the lens without any glue residues.

Thickness: 0.9 mm

Material: Ethylvinylacetate foam

Delivery unit: 1,000 Pcs.

Measures (LxW): 29x24 mm, large

SKU. 7664

Measures (LxW): 23x19 mm, small

SKU. 7665

Measures (LxW): 30x17 mm, oval

SKU. 7659

03. Leap III Blocking Pads

Torsion-stable blocking pads with excellent sticking strength. Can be removed from the lens without any glue residues.

Thickness: 0.8 mm

Material: Ethylvinylacetate foam

Delivery unit: 1,000 Pcs.

Measures (LxW): 31x26 mm, large

SKU. 6992

Measures (LxW): 29x18 mm, medi

SKU. 8299

Measures (LxW): 23x18 mm, small

SKU. 6993

Measures (LxW): 31x17 mm, oval

SKU. 6994

04. Leap III Blocking Pads, Square

Original 3M blocking pads with extra grip without the risk of damaging special coatings. These pads have a low torsion and a soft base material.

Size: 30x24 mm

Delivery unit: 1,000 Pcs.

SKU. 8270

05. Super 411 Blocking Pads

High sticking strength for standard lenses.

Axial torsional strength: high

Especially for soft blocking systems.

Thickness: 0.3 mm

Material: PVC Foil

Delivery unit: 1,000 Pcs.

Measures (LxW): 30x24 mm, large

SKU. 6995

Measures (LxW): 23x18 mm, small

SKU. 6996

06. Secure Edge Blocking Pads

Very high sticking strength for super hydrophobic lenses.

Incl. antitorsion protection.

Axial torsional strength: very high

Cheap alternative for 3M S.T.E.P.-YLS

Thickness: 0.9 mm

Material: Ethylvinylacetate foam

Delivery unit: 1,000 Pcs.

Measures (LxW): 30x24 mm, large

SKU. 6997

Measures (LxW): 23x18 mm, small

SKU. 6998

Measures (LxW): 31x17 mm, oval

SKU. 6999



02.

**01. Grooving Wheel Huvitz
(without fig.)**

For Excelon HPE-7000 XD

SKU. 5378.1

For Excelon HPE-410

SKU. 5537.2

For XD+ HPE-810

SKU. 5462.1

02. Bag for Edging Machine Tank

Stable bags for edging machine tanks.
Measures (WxHxD): 510x400x350 mm

SKU. 8269

**03. Small Lens Clamp For Lens
Support Huvitz**

For Huvitz KAIZER HPE-8000, Excelon
HPE-7000 (XD), Excelon CPE-4000

SKU. 5431

For Excelon HPE-410, XD+ HPE-810,
KAIZERX HPE-8000X

SKU. 5537.3

**04. Bag for Edging Machine Tank,
large (without fig.)**

Stable bags for edging machine tanks.
Suitable for e.g. Huvitz.
Measures (WxHxD): 560x800x410 mm
Delivery unit: 1 Pcs.

SKU. 8269.1

05. Drill/Drill Milling Cutter

For Huvitz KAIZER Driller
HDM-8000 1.0 mm

SKU. 5516.1

Drill Milling Cutter WECO/BRIOT
1.0 mm left cutting

SKU. 7331.1.0

0.8 mm left cutting

SKU. 7331.0.8

Drill Milling Cutter BRIOT Accura CL 1.0
mm

SKU. 7332



03.



05.



01.



03.



05.



02.



04.



06.

01. Block Adapter Assy for Huvitz Edgers

SKU. 5173.1

02. Coolant Concentrate

Coolant concentrate and foam stop for grinding machines. Supplement for grinding machines with closed coolant circuit.

Dilution: 1:100

Delivery unit: 1 l

SKU. 6547

03. Feeler Tips Huvitz

Delivery unit: 1 Pairs

SKU. 5515.7

04. Dressing Stick for Huvitz Grinding Wheels

Grain size 80 coarse for pre-grinding, red

SKU. 5354.80

Grain size 400 fine for fine grinding, orange

SKU. 5354.400

Grain size 2000 veryfine For fine grinding, light yellow

SKU. 5354.2000

Polishing Step 1 for polishing wheel, light yellow (without fig.)

SKU. 5360.27

Polishing Step 2 for polishing wheel, green
For the extra shine after using the dressing stick polishing 1.

SKU. 5360.28

05. Dressing Stick, Round

For INDO Practica, Practica Advance, Maxima, Optima.

orange

SKU. 7335

06. Dressing Stick KAIZER, Round

Original Huvitz dressing stick for the KAIZER polishing wheels.

150, coarse, red

SKU. 5383.10

400, fine, white

SKU. 5383.9

07. Dressing Stick Eco (without fig.)

Dressing stick for various Edgers. 280, fine, white

SKU. 8060.150

180, middle, green

SKU. 8060.500

80, coarse, red

SKU. 8060.800

280, fine, round, white

SKU. 8061.150

80, coarse, round, red

SKU. 8061.800

Lens Interliner



01.



03.



05.



02.



04.

01. Lens Interliner 0.25 mm, Acetate

This lens interliner is used to secure under-sized lenses. In most cases, it can not be seen in the eyewire.

Thickness: 0.25 mm

Width: 1.30 mm

Length: 4.40 m

SKU. 8214

02. Lens Interliner 0.50 mm, Acetate

This lens interliner is used to secure under-sized lenses. In most cases, it can not be seen in the eyewire.

Thickness: 0.50 mm

Width: 1.90 mm

Length: 2.70 m

SKU. 8215

03. Lens Interliner 1.60 mm, self-adhesive

This lens interliner is used to secure under-sized lenses. In most cases, it can not be seen in the eyewire. Easy to apply, even to plastic frames due to its adhesive surface.

Width: 1.60 mm

Length: 16 m

SKU. 8216

04. Silicone Sealant

Classical product to secure lenses in a frame. The extra fine nozzle ensures an exact and minimum amount of sealant to be applied.

Delivery unit: 9.5 g

SKU. 6504

05. Lens Interliner 0.25 mm, PVC

This lens interliner is used to secure under-sized lenses. In most cases, it can not be seen in the eyewire. It also has the advantage of being made out of acetate and therefore can be fused into the rim of a plastic frame and not be noticed.

Thickness: 0.25 mm

Width: 1.60 mm

Length: 6 m

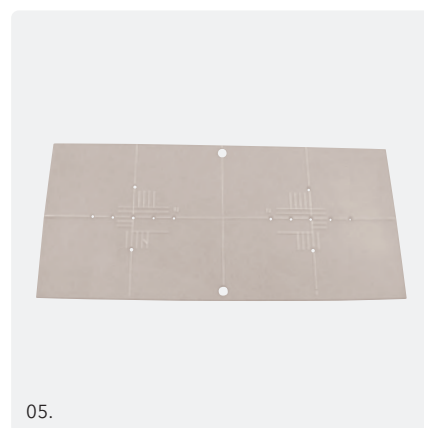
SKU. 8217



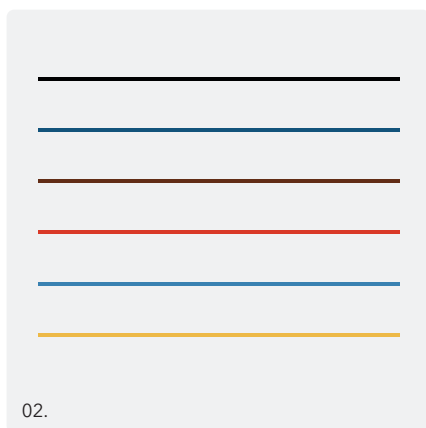
01.



03.



05.



02.



04.



06.

01. Nylon Wire 0.50 mm

Transparent.

Diameter: 0.50 mm

Length: 20 m

SKU. 6751

02. Nylon Wire 0.50 mm, colored

Colored nylon wires give the frame a completely new look!

Wire diameter: 0.50 mm

Length: 0.50 m

black	SKU. 6569.100
dark blue	SKU. 6569.620
brown	SKU. 6569.300
red	SKU. 6569.800
light blue	SKU. 6569.610
yellow	SKU. 6569.700

03. Double Profile Nylon Thread

Can easily be inserted in the groove.

Length: 10 m

0.49/0.50 mm SKU. 6750.0.49

0.55/0.50 mm SKU. 6750.0.55

0.60/0.50 mm SKU. 6750.0.60

04. Pattern Blanks, Blue

Easy to work with scissors or file. 2 mm thick, with strengthened middle and universal perforation for all Tracers.

100 Pcs. SKU. 6596.600.100

500 Pcs. SKU. 6596.600.500

1,000 Pcs. SKU. 6596.600.1000

05. Centering Pattern Blanks

These 0.5 mm thick centering pattern blanks have centering axes and perforations. A must for working on rimless frames.

20 Pairs SKU. 8223.20

100 Pairs SKU. 8223.100

06. Seg-Height Gauge

A seg-height gauge that one simply puts in the frame rim to measure the height of bifocals or progressive lenses

Delivery unit: 1 Pair

SKU. 6249

Occlusion Foils & Occluders



01. Occlusion Foil

This occlusion foil designed by professor Bangerter is skin-toned and is adhered to the back of the lens. It comes with a piece of carton so that the foil can be placed upon when not in use. The foil can be cut to the shape of the lens with a pair of scissors. Measures foil (WxH): 60x60 mm

Light perception SKU. 8221.Licht
(matt white)

Okklusionsfolie 0,0 SKU. 8221.0,0
(skin -colored)

- Okklusionsfolie <0.1 SKU. 8221.<0.1
- Okklusionsfolie 0.1 SKU. 8221.0.1
- Okklusionsfolie 0.2 SKU. 8221.0.2
- Okklusionsfolie 0.3 SKU. 8221.0.3
- Okklusionsfolie 0.4 SKU. 8221.0.4
- Okklusionsfolie 0.6 SKU. 8221.0.6
- Okklusionsfolie 0.8 SKU. 8221.0.8
- Okklusionsfolie 1.0 SKU. 8221.1.0



01. Motive Kids 1



01. Motive Kids 2

Motive Boys, Full occlusion, grey-beige mit
4 Nutzen farbigem Motive
Art. Nr. 8221.4Kids1

Motive Girls, Full occlusion, grey-beige mit
4 Nutzen farbigem Motive
Art. Nr. 8221.4Kids2

Motive Clown, Full occlusion, grey-beige
mit farbigem Motive
Art. Nr. 8221.Clown

Motive Bike, Full occlusion, grey-beige
Art. Nr. 8221.Fahrrad

Motive Beetle, Full occlusion, grey-beige
Art. Nr. 8221.Käfer

Motive Motorcycle, Full occlusion,
grey-beige
Art. Nr. 8221.Motorrad

Motive Points, Full occlusion, grey-beige,
Art. Nr. 8221.Punkte

Motive Runner, Full occlusion, grey-beige
Art. Nr. 8221.Renner

Motive Butterfly, Full occlusion, grey-bei-
ge,
Art. Nr. 8221.Schmetterling



02. Occluder small



02. Occluder medium



02. Occluder large

02. Occluder

This small occluder is stuck onto the back of the lens in which it will cover the whole eye.

- small (24 mm) SKU. 8224.24
- medium (32 mm) SKU. 8224.32
- large (45 mm) SKU. 8224.45



01. Press-On Optics, Transparent

For fixing at the ackside of the lens. Sticks on all types of coatings. Simply adjustable with scissors.

Delivery in a plastic box.

Diameter: 65 mm

+1.00 dpt	SKU. 6549.+1.00
+1.50 dpt	SKU. 6549.+1.50
+2.00 dpt	SKU. 6549.+2.00
+2.50 dpt	SKU. 6549.+2.50
+3.00 dpt	SKU. 6549.+3.00
+3.50 dpt	SKU. 6549.+3.50
+4.00 dpt	SKU. 6549.+4.00
-1.0 dpt	SKU. 6550.-1.00
-2.0 dpt	SKU. 6550.-2.00
-3.0 dpt	SKU. 6550.-3.00
-4.0 dpt	SKU. 6550.-4.00



02. Near Part Press-On Prisms

In no time bifocals are built. Sticks on all types of coatings.

Delivery in a plastic box.

Measures near part (BxH): 25x 16 mm

Delivery unit: 1 Pc. with 2 near parts

+1.00 dpt	SKU. 6681.+1.00
+1.50 dpt	SKU. 6681.+1.50
+2.00 dpt	SKU. 6681.+2.00
+2.50 dpt	SKU. 6681.+2.50
+3.00 dpt	SKU. 6681.+3.00



03. Press-On Prisms, Transparent

Easy to cut. Sticks on all types of coatings.

Delivery in a plastic box.

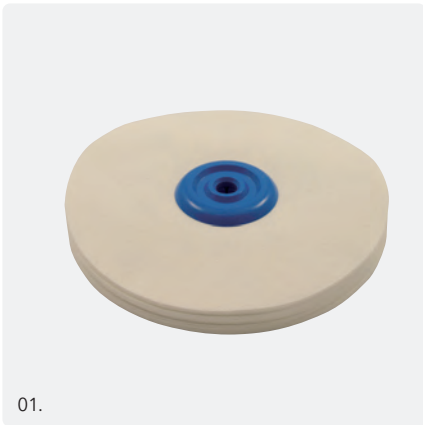
Usable diameter: 65 mm

1 cm/m	SKU. 8222.1
2 cm/m	SKU. 8222.2
3 cm/m	SKU. 8222.3
4 cm/m	SKU. 8222.4
5 cm/m	SKU. 8222.5
6 cm/m	SKU. 8222.6
7 cm/m	SKU. 8222.7
8 cm/m	SKU. 8222.8
9 cm/m	SKU. 8222.9
10 cm/m	SKU. 8222.10
12 cm/m	SKU. 8222.12
15 cm/m	SKU. 8222.15
20 cm/m	SKU. 8222.20
25 cm/m	SKU. 8222.25
30 cm/m	SKU. 8222.30
35 cm/m	SKU. 8222.35
40 cm/m	SKU. 8222.40

Workshop tip

➤ For the marking we recommend our wax crayons SKU. 7668

Buffing Wheels



01. Buffing Wheel, Cloth

Buffing wheel for polishing plastic or metal. The most often used in the optical workshop.

Diameter: 125 mm

Width: 12 mm

SKU. 6508

Diameter: 100 mm

Width: 7 mm

SKU. 8301

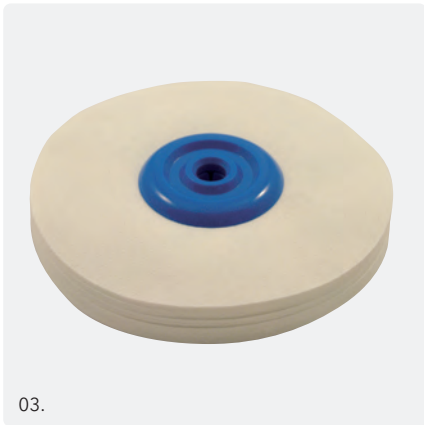
02. Buffing Wheel, Flannel

Flannel buffing wheel for plastic. Can be used without wax.

Diameter: 100 mm

Width: 12 mm

SKU. 6509



03. Buffing Wheel, Extra Stiff

Suitable for the initial polish.

Diameter: 100 mm

Width: 13 mm

SKU. 6510

04. Buffing wheel, Wool

Buffing wheel made of wool for a highly polished finish.

Diameter: 90 mm

Width: 16 mm

SKU. 6513



05. Hard Felt Buffing Wheel, V-groove

This buffing wheel is made of hard felt is for polishing plastic and especially flat and normal bevels on plastic lenses This buffing wheel is made of hard felt is for polishing plastic and especially flat and normal bevels on plastic lenses.

Diameter: 102 mm

Width: 19 mm

SKU. 8229

06. Wool Polishing Cone

Use it to polish bridges or to make plastic frames.

Length: 145 mm, 95 mm polishing area

Diameter: 30-10 mm

Diameter mount: 6 mm for polishing arbor

SKU. 6568



01.



03.



02.



04.

01. Polirapid Polishing Wax

For plastic and rubber.

Delivery unit: 60 g

SKU. 6526.600

02. Special Polishing Wax for Lenses

Polishing wax especially for plastic lenses.
Very fast and gentle.

Delivery unit: 150 g

SKU. 5211.wachs

03. Polishing wax, Brown, for Metal and Plastic

For metal, copper, bronze, aluminium and plastic.

Delivery unit: 100 g

SKU. 8254.300

04. Polishing Wax, White, for White Metal

Extra fine, especially for white metal.

Delivery unit: 100 g

Art.Nr 8254.150



05.

05. Cylinder Mill, 2 Pcs.

For frames and plastic lenses.

Shaft diameter: 2.35 mm

Delivery unit: 2 Pcs.

Size: 3.0 mm

SKU. 6543.3.0

Size: 4.0 mm

SKU. 6543.4.0

Drills & Mills



01. Drill-Mill Bits Set Chilidril

Righthcutting hardmetal high performance drill for holes, even for polycarbonate, trivex and tribrid.
Total length: 38 mm
Cutting length: 10 mm
Shaft diameter: 3.175 mm
Sz.: 0.55/0.8/1.0/1.1/1.2/1.4/1.5/1.6/1.8/2.0mm
Delivery unit: 10 Pcs.

SKU. 6585.Set

02. Drill-Mill Bits Chilidril

Size	SKU.
0.55 mm	6585.055
0.6 mm	6585.0.6
0.7 mm	6585.0.7
0.8 mm	6585.0.8
0.9 mm	6585.0.9
1.0 mm	6585.1.0
1.1 mm	6585.1.1
1.2 mm	6585.1.2
1.3 mm	6585.1.3
1.4 mm	6585.1.4
1.5 mm	6585.1.5
1.6 mm	6585.1.6
1.7 mm	6585.1.7
1.8 mm	6585.1.8
1.9 mm	6585.1.9
2.0 mm	6585.2.0

03. Carbide Drill Bit

Carbide Drill bit with strengthened shank.
The diameters are color labeled.
Shaft diameter: 3.175 mm

Size	SKU.
0.8 mm (rose)	7666.0.8
1.0 mm (light green)	7666.1.0
1.1 mm (blue)	7666.1.1
1.2 mm (brown)	7666.1.2
1.3 mm (yellow)	7666.1.3
1.4 mm (orange)	7666.1.4
1.5 mm (grey)	7666.1.5
1.6 mm (dark green)	7666.1.6
1.8 mm (red)	7666.1.8
2.0 mm (purple)	7666.2.0

04. Drill Bit Set TIN

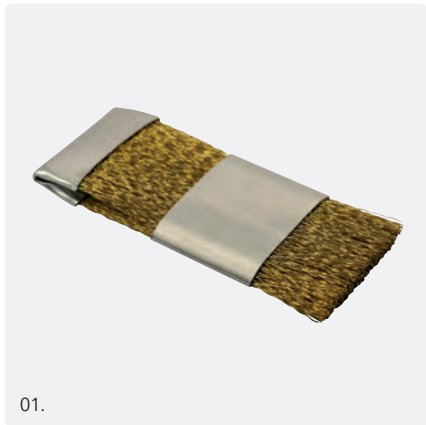
Drill Bits TIN with titanium nitride surface coating.
Shaft diameter: 2.35 mm
Drills: 0.6/0.8/1.0/1.3/1.5/2.0 mm
Delivery unit: 6 Pcs.

SKU. 7615

05. Drill Bits Twisted, Strong Shank

For the drilling of frame screws, high performance steel for a long life time.
Delivery unit: 3 Pcs.

Size	ø Shaft	SKU.
0.5 mm	1.5 mm	6531.0.5
0.6 mm	1.5 mm	6531.0.6
0.7 mm	1.5 mm	6531.0.7
0.8 mm	1.5 mm	6531.0.8
0.9 mm	1.5 mm	6531.0.9
1.0 mm	1.5 mm	6531.1.0
1.1 mm	1.5 mm	6531.1.1
1.2 mm	1.5 mm	6531.1.2
1.3 mm	1.5 mm	6531.1.3
1.4 mm	1.5 mm	6531.1.4
1.5 mm	1.5 mm	6531.1.5
1.6 mm	2.0 mm	6531.1.6
1.7 mm	2.0 mm	6531.1.7
1.8 mm	2.0 mm	6531.1.8
1.9 mm	2.0 mm	6531.1.9
2.0 mm	2.0 mm	6531.2.0
2.1 mm	2.5 mm	6531.2.1
2.2 mm	2.5 mm	6531.2.2
2.4 mm	2.5 mm	6531.2.4



01.



03.



02.



04.



05.

01. Brass Brush

A brass brush to quickly and thoroughly clean away excess solder.

SKU. 6514.003

02. Steel Brush

A steel brush to quickly and thoroughly clean away excess solder.

SKU. 6514.004

03. Universal Silver Solder

Universal silver solder for all typical frame repairs.

Diameter: 0.4 mm

Color: nickel silver

Smelting point: 580-870 °C

Delivery unit: 2 m

SKU. 7632.004

04. Grinding Rubber

Grinding rubber for the removal of solder or flux.

Measures (WxHxD): 80x20x50 mm

fine 240

SKU. 7631.240

medium 120

SKU. 7631.120

05. Silver Solder with Flux

These soldering rods are 15 cm long and contain flux. They are to be used when soldering frames.

Smelting point: 630 °C

Delivery unit: 12 Pcs.

silver

SKU. 8260.004

gold

SKU. 8260.003

06. Borax Liquid Flux

Borax liquid flux for hard soldering of metal.

Delivery unit: 250 ml

SKU. 8263



06.

Soldering Accessories



01.



02.

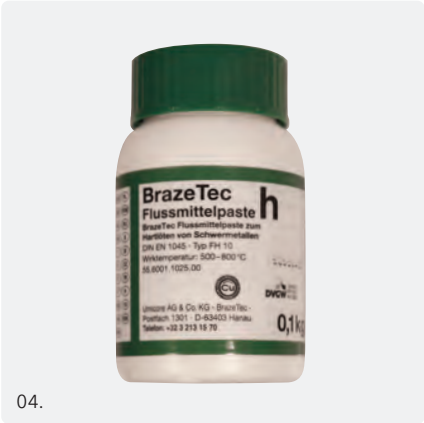
01. Electrolyte for Hydrozone Soldering Machine

Electrolyte for complete replacement of electrolyte fluid for Hydrozone Soldering Machines. DO NOT USE AS REFILL, therefore you should use demineralised water. Delivery unit: 800 ml

SKU. 5222



03.



04.

02. FLUX for Soldering Machines

FLUX for the refill of soldering machines. This flux decreases the solder temperature to the regularly used temperature within ophtalmic industry, it dries the gas and turns the colour of the flame to green. Delivery unit: 1 l

SKU. 5221

03. Thermo-Gel

Place Thermo-Gel on areas around the soldering point to protect them from heat during the soldering procedure. Delivery unit: 100 g

SKU. 7629



05.



06.

04. Flux BrazeTec

Protects from Oxidation. Former known as Degussa H.

100 g	SKU. 7625.100
500 g	SKU. 7625.500
1 kg	SKU. 7625.1000

05. Insulating Paste for Soldering

This insulating paste is applied to the frame around the area to be soldered so that the enamel is protected as good as possible. Delivery unit: 120 ml

SKU. 8266

06. Soldering Needles for Hydrozone Soldering Machine

Soldering needles useable for all common Hydrozone Soldering Machines Delivery unit: 2 Pcs.

Nozz.-No.	Inner ø	Outer ø	SKU.
G 18	0.8 mm	1.2 mm	8264.G18
G 19	0.65 mm	1.0 mm	8264.G19
G 20	0.6 mm	0.9 mm	8264.G20
G 21	0.5 mm	0.8 mm	8264.G21
G 22	0.4 mm	0.7 mm	8264.G22



01.



02.



03.

01. Wax Crayon

Wax Crayon to mark lenses, prism foils and sun clips. Water-soluble markings.

white	SKU. 7668.150
red	SKU. 7668.800
black	SKU. 7668.100

02. White Marker

Great for use on tinted lenses.
Thickness at tip: 1.5 mm

SKU. 7610



04.

03. WLenS Color Pencil

Color pencil for lens edges. Suitable mineral lenses, plastic lenses, polycarbonate, trivex and tribrid.
Ink for 300-500 lenses.

cognac	SKU. 6563.060
black	SKU. 6563.100
green	SKU. 6563.500
blue	SKU. 6563.600
pink	SKU. 6563.832
burgundy	SKU. 6563.905
brown	SKU. 6563.300
turquoise	SKU. 6563.602
purple	SKU. 6563.834
lilac	SKU. 6563.830
yellow	SKU. 6563.700

04. Special Marker, Permanent

For surfaces where other marker fail to work. It is water resistant and photostable. The fine tip enables precise marking.

fine black	SKU. 7655.100
fine red	SKU. 7655.800

superfine black	SKU. 7699
-----------------	-----------

Glue & Screw Lock



01.

01. Super Glue, Fast Curing

For a quick repair of frames or decorative pieces on frames or lenses. Bonds extremely fast.

Drying time: 2-5 Sek.

Delivery unit: 2 g

SKU. 8278



02.

02. Liquid Screw Lock, Fast Drying

Liquid lock nut to prevent screws from coming loose. After applying and drying the screws are tightly sealed. To undo the procedure, apply pressure to the screwdriver and/or heat to the screw.

Liquid color: yellow

Delivery unit: 10 ml

SKU. 8281



03.

03. Super Glue, Slow Curing

For the quick repair of frames or decorative pieces on frames or lenses. A slower bonding time helps to make sure that parts are positioned properly.

Drying time: 15-30 Sek.

Delivery unit: 2 g

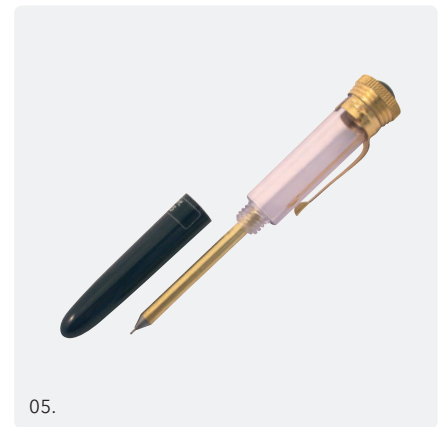
SKU. 8279



01.



03.



05.



02.



04.



06.

01. Varnish

Varnish for lens bevels which can be evenly and easily applied with a brush.

Content: 12 ml

Delivery unit: 1 Pcs.

	gold	SKU. 7600.003
	silver/chrome	SKU. 7600.004
	black	SKU. 7600.100
	white	SKU. 7600.150
	light brown	SKU. 7600.320
	dark brown	SKU. 7600.310
	red	SKU. 7600.800
	blue	SKU. 7600.600
	yellow	SKU. 7600.700
	transparent	SKU. 7600.001

02. Isopropanol Cleaning Spray

Effective Cleaning Spray for glas surfaces and blank metals. Especially for optical mirrors and coated lenses. Additionally it even removes water resistant ink.

Delivery unit: 200 ml

SKU. 1426

03. Compressed Air Spray

Compressed Air Spray for the cleaning of measuring devices, electrical tools etc.

Delivery unit: 200 ml

SKU. 1423

04. Lable Remover

Lable Remover that removes all sticky residues.

Delivery unit: 200 ml

SKU. 1427

05. Oiler, Refillable

A refillable oiler that is small and gives out small doses of oil.

Capacity: 15 ml, delivery without oil

SKU. 8292

06. Easy Flowing Oil

Oil for frame joints. Suitable for SKU. 8292

Delivery unit: 10 ml

SKU. 8284





MERCHANDISE

Plano Lenses	164
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You'll be impressed!

Discover our extensive plano sun lens offer.

When the sun comes out and lures people out of doors, then demand for sun glasses increase like every year.

It is high time to go for us so you can fulfill the expectations of your customers with flexibility and on a high quality level. Discover the extensive plano sun lens and clip-ons offer clearly summarized on the following pages.

Of course all lenses offer an optimal UV protection.

What is more: A unique variety of tints and a great price-performance ratio.

Plano L 50, CR 39, Transparent

BC 5

ø 70 mm
1.9 mm
SKU. 2988

BC 5

ø 70 mm
2.4 mm
SKU. 2960

BC 5

ø 70 mm
3.0 mm
SKU. 2995

BC 5 HART SET

ø 70 mm
1.9 mm
SKU. 2989

BC 6

ø 70 mm
2.4 mm
SKU. 2998

BC 8

ø 74 mm
1.9 mm
SKU. 2968



Base 8, CR 39, uni



85%

brown 85

ø 75 mm
1.8-2.2 mm dez.
CR 39, BC 8
SKU. 2981



75%

brown 75

ø 75 mm
1.8-2.2 mm dez.
CR 39, BC 8
SKU. 2987



85%

grey 85

ø 74 mm
1.8-2.2 mm dez.
CR 39, BC 8
SKU. 2996



85%

green 85

ø 76 mm
1.8-2.2 mm dez.
CR 39, BC 8
SKU. 2984

Base 8. CR 39, rave

Pcs.

ab 10 Pcs./Farbe je



57%

rave orange

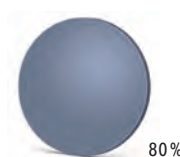
ø 76 mm
1.8-2.2 mm dez.
CR 39, BC 8
SKU. 2973



21%

rave yellow

ø 75 mm
1.8-2.2 mm dez.
CR 39, BC 8
SKU. 2974



80%

rave blue

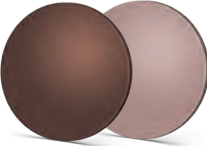
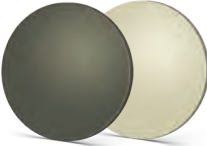
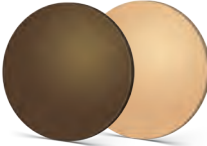
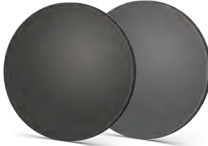
ø 74 mm
1.8-2.2 mm dez.
CR 39, BC 8
SKU. 2985

Plano Lenses

Base 8, ACTIsun solid, Trivex

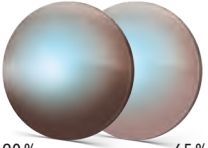
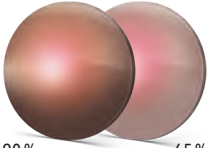
			
50%	85%	85%	85%
solid orange	solid green	solid brown	solid grey
ø 75 mm 1.9-2.2 mm dez SKU. 2196	ø 75 mm 1.9-2.2 mm dez SKU. 2192	ø 75 mm 1.9-2.2 mm dez SKU. 2190	ø 75 mm 1.9-2.2 mm dez SKU. 2194
incl. digital coat SKU. 2197	incl. digital coat SKU. 2193	incl. digital coat SKU. 2191	incl. digital coat SKU. 2195

Base 8, ACTIsun phototrop, Trivex

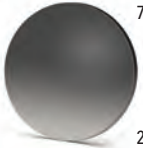
			
85% 60%	80% 20%	80% 35%	85% 70%
outdoor phototrop	track phototrop	amplifier phototrop	NEWtralizer pol + phototrop
ø 75 mm 1.9-2.2 mm dez SKU. 2187	ø 75 mm 1.9-2.2 mm dez SKU. 2198	ø 75 mm 1.9-2.2 mm dez SKU. 2183	ø 75 mm 2.2-2.4 mm dez SKU. 2185
incl. digital coat SKU. 2188	incl. digital coat SKU. 2199	incl. digital coat SKU. 2184	incl. digital coat SKU. 2186

Base 8, ACTIsun phototrop + FLASH
incl. digital coat, Trivex

1 Pair

	
90% 65%	90% 65%
outdoor phototrop	amplifier phototrop
ø 75 mm 1.9-2.2 mm dez	ø 75 mm 1.9-2.2 mm dez
incl. FLASH blue digital coat SKU. 1697	incl. FLASH red digital coat SKU. 1698

Base 8. CR 39, Special Color Gradient

	
85% 30%	75% 20%
Marokko	Bottrop
ø 76 mm 1.8-2.2 mm dez CR 39 SKU. 2977	ø 76 mm 1.8-2.2 mm dez CR 39 SKU. 2976

Base 6, CR 39, planet, uni

					
85%	75%	85%	75%	90%	75%
venus 85	venus 75	jupiter 85	jupiter 75	black sun	black moon
ø 74 mm	ø 74 mm	ø 74 mm	ø 74 mm	ø 74 mm	ø 74 mm
Thickness 1.9 mm	Thickness 1.9 mm	Thickness 1.9 mm	Thickness 1.9 mm	Thickness 1.9 mm	Thickness 1.9 mm
CR 39, BC 6	CR 39, BC 6	CR 39, BC 6	CR 39, BC 6	CR 39, BC 6	CR 39, BC 6
SKU. 1791	SKU. 1790	SKU. 1793	SKU. 1792	SKU. 1789	SKU. 1794

Base 6. CR 39, blueblocker

			
21%	85%	85%	85%
L	M	X	G
ø 74 mm	ø 74 mm	ø 74 mm	ø 74 mm
Thickness 1.9 mm	Thickness 1.9 mm	Thickness 1.9 mm	Thickness 1.9 mm
CR 39, BC 6	CR 39, BC 6	CR 39, BC 6	CR 39, BC 6
SKU. 1785	SKU. 1786	SKU. 1787	SKU. 1788

Base 6. CR 39, Standard, uni

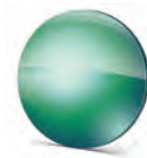
				
85%	75%	85%	75%	85%
brown 85	brown 75	grey 85	grey 75	green 85
ø 73 mm	ø 73 mm	ø 73 mm	ø 73 mm	ø 73 mm
Thickness 1.9 mm	Thickness 1.9 mm	Thickness 1.9 mm	Thickness 1.9 mm	Thickness 1.9 mm
CR 39, BC 6	CR 39, BC 6	CR 39, BC 6	CR 39, BC 6	CR 39, BC 6
SKU. 2565	SKU. 2922	SKU. 2465	SKU. 2993	SKU. 2380

Plano Lenses

Base 6, CR 39, REVO, Coated, uni, incl. hart



**blue
grey 85**
ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 9260.blue



**green
grey 85**
ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 9260.green



**yellow
grey 85**
ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 9260.yellow



**pink
green 85**
ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 9260.pink



**purple
green 85**
ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 9260.purple



**red
green 85**
ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 9260.red

Base 6, CR 39, REVO, Coated, Gradient, incl. hart



**sky
grey 85-30**
ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 9260.sky



**earth
brown 85-30**
ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 9260.earth



**wood
green 85-30**
ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 9260.wood



**garden
grey 85-30**
ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 9260.garden

Base 6, CR 39, rave, uni



blue
ø 76 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 2235



yellow
ø 76 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1736



yellow dark
ø 76 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1735



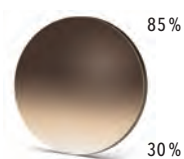
orange
ø 76 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1734



Base 6. CR 39, Standard Gradient

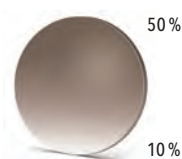
Pcs.

ab 10 Pcs./Farbe je



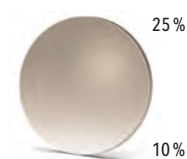
brown 85-30

ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1765



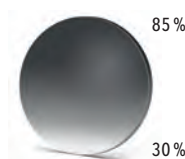
brown 50-10

ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1764



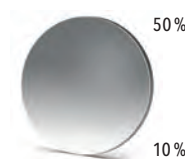
brown 25-10

ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1763



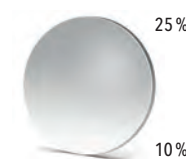
grey 85-30

ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1772



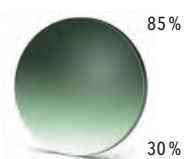
grey 50-10

ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1771



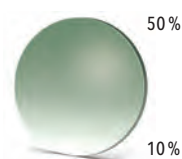
grey 25-10

ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1770



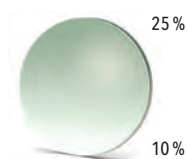
green 85-30

ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1775



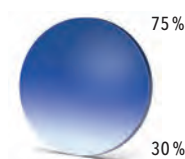
green 50-10

ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1774



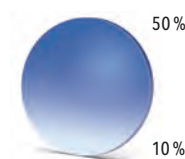
green 25-10

ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1773



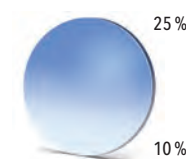
blue 75-30

ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1749



blue 50-10

ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1748



blue 25-10

ø 73 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1747

Add some sun
... done!



Model MS008.100

All our sunlenses can be perfectly combined with our frames! Best of all directly order our great sales box that includes eight frames and enjoy the sun!

Plano Lenses

Base 6, CR 39, horizon, Gradient

90 %
60 %

Outback
ø 74 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1780

75 %
20 %

Bottrop
ø 74 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1737

65 %
30 %

Avignon
ø 74 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1739

70 %
35 %

Pazifik
ø 74 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1738

85 %
15 %

Tundra
ø 74 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1781

85 %
15 %

Arktis
ø 74 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1782

85 %
30 %

Marokko
ø 74 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 2665

Base 6, CR 39, sunset, bicolor, Gradient

90 %
60 %

Kapstadt
ø 74 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1784

90 %
60 %

Helsinki
ø 74 mm
Thickness 1.9 mm
CR 39, BC 6
SKU. 1783

85 %
60 %

Moskau
ø 76 mm
Thickness 1.8 mm
CR 39, BC 6
SKU. 1730

85 %
35 %

Shanghai
ø 73 mm
Thickness 1.8 mm
CR 39, BC 6
SKU. 1731

75 %
55 %

Kairo
ø 73 mm
Thickness 1.8 mm
CR 39, BC 6
SKU. 1727

85 %
60 %

Hammerfest
ø 73 mm
Thickness 1.8 mm
CR 39, BC 6
SKU. 1777

85 %
60 %

Mexiko
ø 73 mm
Thickness 1.8 mm
CR 39, BC 6
SKU. 1776

85 %
65 %

Singapur
ø 73 mm
Thickness 1.8 mm
CR 39, BC 6
SKU. 1779

90 %
75 %

Amsterdam
ø 73 mm
Thickness 1.8 mm
CR 39, BC 6
SKU. 1778

Base 6, CR 39, polarized, uni

1 Pair



brown 85

ø 80 mm
Thickness 2.1 mm
CR 39, BC 6
SKU. 2990.300

grey 85

ø 80 mm
Thickness 2.1 mm
CR 39, BC 6
SKU. 2990.200

green 85

ø 80 mm
Thickness 2.1 mm
CR 39, BC 6
SKU. 2990.530

Base 6. Mineral 1.52 incl. R-SET, polarized, uni

1 Pair



brown 75 R-SET

ø 70 mm
Thickness 2.0 mm
Min. 1.52, BC 6
SKU. 2970

grey 75 R-SET

ø 70 mm
Thickness 2.0 mm
Min. 1.52, BC 6
SKU. 2969

green 85 R-SET

ø 70 mm
Thickness 2.0 mm
Min. 1.52, BC 6
SKU. 2971



Model MS002.145

Clip-Ons

Sun Predaction Clip-Ons SunStyle

With polarized lenses and can be folded up. The extra flat fixing clip guarantees a firm seat.

Measures (WxH):

- ▶ small 124x37 mm
- ▶ medium 130x47 mm
- ▶ large 145x55 mm



Sun Predaction Clip-Ons SunStyle
blueblocker 75 %

large SKU. 4903



Sun Predaction Clip-Ons Set SunStyle

The set includes 10 polarized Clip-Ons per standard color (2 small, 4 medium, 4 large) and 2 large blueblocker Clip-Ons.

Delivery unit: 32 pcs.

Colors:

- ▶ grey 85%
- ▶ brown 85%
- ▶ G-15 85%
- ▶ blueblocker 75 %

Measures (WxH):

- ▶ small 124x37 mm
- ▶ medium 130x47 mm
- ▶ large 145x55 mm

SKU. 4904.set

**grey 85 % large**

SKU. 4906.200

**grey 85 % medium**

SKU. 4907.200

**grey 85 % small**

SKU. 4908.200

**brown 85 % large**

SKU. 4906.300

**brown 85 % medium**

SKU. 4907.300

**brown 85 % small**

SKU. 4908.300

**G-15 85 % large**

SKU. 4906.530

**G-15 85 % medium**

SKU. 4907.530

**G-15 85 % small**

SKU. 4908.530

Sun Predetection Clip-Ons SunStyle

With polarized lenses and can be folded up.

The extra flat fixing clip guarantees a firm seat.

Measures (WxH):

- ▶ small 124x37 mm
- ▶ medium 130x47 mm
- ▶ large 145x55 mm

grey 85 %

large SKU. 4906.200

medium SKU. 4907.200

small SKU. 4908.200

brown 85 %

large SKU. 4906.300

medium SKU. 4907.300

small SKU. 4908.300

G15 85 %

large SKU. 4906.530

medium SKU. 4907.530

small SKU. 4908.530

For
Everybody



01.



01. Ultra Klar Ultraschallreiniger

Compact high-quality end user device. With the Ultra-Klar ultrasonic cleaner your customers can have their own professional ultrasonic cleaning at home. Easy handling through a digital LED display and membrane keypad. Stainless steel basin and timer function. Including plastic cage for cleansing of watches and jewellery.

Optional: Ultra Klar Cleansing Extract.

Basin: Stainless steel SUS304

Outer Measures (WxHxD): 222 x 147 x 153 mm

Weight: 1.4 kg

Delivery unit: 1 Pc.

SKU. 5542

Technical Data

Frequency: 42 kHz

Power Supply: ~ 220-240 V

Power: 50 W

Content: 600 ml

*The
Finest*



01.



01. Ultra Klar Ultraschallreiniger Pro

High quality resale product by which your customers can have a professional ultrasonic cleansing at home. Simple handling through a digital LED display and a membrane keyboard. Thorough cleansing through degassing and heating function. With stainless steel basin. Including plastic cage for cleansing of watches and jewellery.

Optional: Ultra Klar Cleansing Extract.

Basin: Stainless steel SUS304

Outer Measures (WxHxD): 230x180x265 mm

Weight: 2.9 kg

Delivery unit: 1 Pcs.

SKU. 5543

Technical Data

Frequency: 35 kHz

Power Supply: ~220-240 V

Power: 160 W

Content: 1,700 ml



01.

01. Ultra Klar Lens Cleaner, Display

The small spray bottle for cleaning predection of the eyeglasses. The spray can be used for all kinds of lenses and lens coatings and creates a water repellent effect on the lenses. Without alcohol or other solvents.

Content spray bottle: 50 ml

Delivery unit: 20 Pcs. incl. Display

SKU. 1390.24

02. Ultra Klar Lens Cleaner 250 ml

The spray bottle for cleaning predection of the eyeglasses. The spray can be used for all kinds of lenses and lens coatings and creates a water repellent effect on the lenses. Without alcohol or other solvents.

Content: 250 ml

SKU. 1390.250

03. Ultra Klar RE-FILL Lens Cleaner, 5 Liters (without fig.)

SKU. 1390.5000

04. Ultra Klar RE-FILL Lens Cleaner, 25 Liters (without fig.)

SKU. 1390.25

05. Pump for Ultra Klar RE-FILL Lens Cleaner (without fig.)

The pump simplifies the filling of the Ultra Klar spray bottles. Available for 5 and 25 liters cannisters.

SKU. 1390.Pumpe5

SKU. 1390.Pumpe25



02.



06.

06. Ultra Klar Microfibre Cloth PRO

Large "Ultra Klar" microfibre cloth with two different pile heights, chainstitched edge, and suspension eye.

Color: black

Measures (WxH): 250x350 mm

Delivery unit: 1 Pc.

SKU. 1394



01.



03.

01. Ultra Klar Microfibre Cloth, Display

Ultrafine special optical fiber for the cleaning of spectacle lenses.

Colors: black and white

Measures cloth (WxH): 180x150 mm

Delivery unit: 30 Pcs. incl. Display
(15 Pcs. each color)

SKU. 1391.Display

02. Ultra Klar Microfibre Cloth, RE-FILL (without fig.)

Ultrafine special optical fiber for the cleaning of spectacle lenses. RE-FILL-pack for the Display.

Measures cloth (WxH): 180x150 mm

Delivery unit: 10 Pcs.

white SKU. 1391.150

black SKU. 1391.100



04.

03. Ultra Klar Lens Cleaning Wipes

Cleaning wipes for glasses. Cleaning and predetection on the go for all kinds of lenses and lens coatings. Without alcohol or other solvents.

Measures cloth (WxH): 215x123 mm

Delivery unit: 50 Pcs. in dispenser box

1 Pack

SKU. 1392

30 Packs

SKU. 1392.30

04. Ultra Klar Cleansing Extract

Specially developed biodegradable cleansing extract (1:50) for the usage in ultrasonic cleaners. It can be used for all kinds of lenses and lens coatings. Simple application thanks to the dosage bottle.

Content: 500 ml, 1 l or 5 l

Ultra Klar Cleansing Extract
Dosage Bottle 500 ml

SKU. 1393.500

Ultra Klar Cleansing Extract
Dosage Bottle, 1 Liter

SKU. 1393.1000

Ultra Klar RE-FILL Cleansing Extract Canister, 5 Liters

SKU. 1393.5000

Sports Bands



01.



02.

01. Neoprene-Sports Bands

Guaranteed perfect hold for your glasses. Slip the band over the temple tip to secure the spectacle.

Material: Neoprene
Measures (LxW): 390x20 mm
Delivery unit: 10 Pcs.

black	SKU. 1300.100
royal blue	SKU. 1300.612
grey	SKU. 1300.200
purple	SKU. 1300.830
dark blue	SKU. 1300.620
green	SKU. 1300.500
neonyellow	SKU. 1300.520
yellow	SKU. 1300.700
magenta	SKU. 1300.832
blazing red	SKU. 1300.800
10 Pcs. set incl. all colors	SKU. 1300.set

02. Sports Bands

Guaranteed perfect hold for your glasses. Length of the band is adjustable. Stick the temple tips in the ends of the band to secure the spectacle.

100 % nickel free
Measures (LxW): 650x5 mm

black	SKU. 6506.100
black/orange	SKU. 6506.710
black/red	SKU. 6506.800
black/blue	SKU. 6506.600
black/yellow	SKU. 6506.700



01.

01. Spectacle Cords

With adjustable rubber loop. 13 Colors.
Material: Nylon, 100% nickel free
Measures (LxW): 660x3 mm
Delivery unit: 12 Pcs.

black	SKU. 1302.100
grey	SKU. 1302.200
red	SKU. 1302.800
neon red	SKU. 1302.801
burgundy	SKU. 1302.830
purple	SKU. 1302.833
blue	SKU. 1302.600
dark blue	SKU. 1302.620
brown	SKU. 1302.350
pink	SKU. 1302.810
orange	SKU. 1302.710
white	SKU. 1302.150
green	SKU. 1302.500

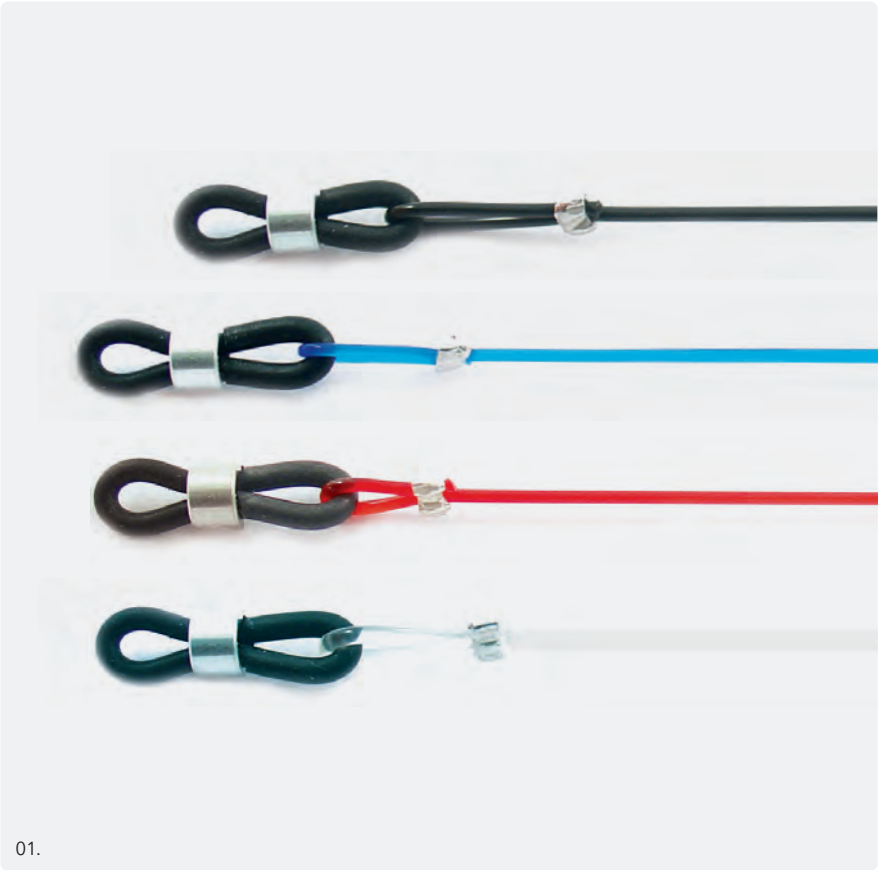
02.

02. Spectacle Cords Set

Practical set that includes all colors shown on the left except for neon red.
Delivery unit: 12 Pcs.

SKU. 1301.buntset

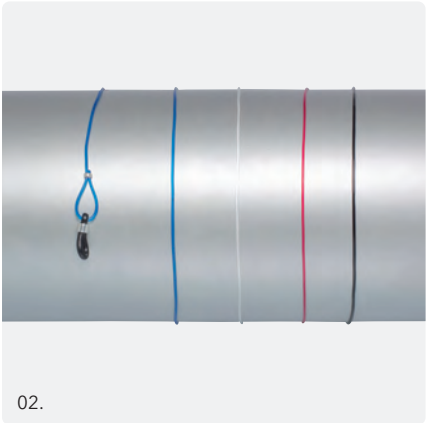
Spectacle Cords & Chains Sets



01. Nylon-Stretch Chain

Wonderfully elastic.
100% nickel free
Material: Nylon
Measures (LxW): 690x1.4 mm

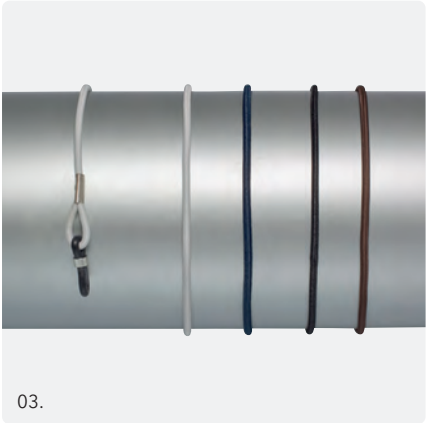
black	SKU. 1242.100
blue	SKU. 1242.600
red	SKU. 1242.800
transparent	SKU. 1242.001



02. Nylon Stretch Chains Set

Wonderfully elastic.
Nickel free
Colors: black, transparent, red, blue
Material: Nylon
Measures (LxW): 690x1.4 mm
Delivery unit: 6 Pcs.,
each 2 Pcs. black, transparent,
each 1 Pc. red, blue

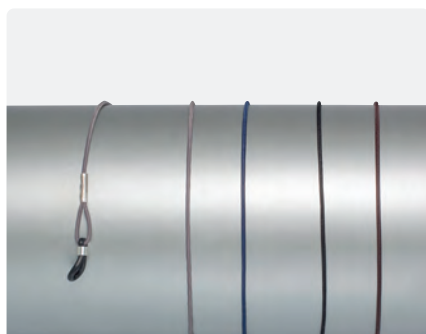
SKU. 1234



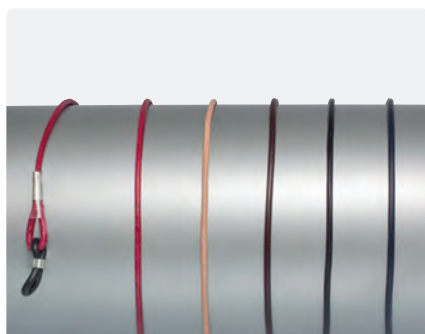
03. Elastic Cords Set, Thick

Skin-friendly elastic cords, extra durable.
Colors: black, dark brown, dark blue, grey
Material: Rubber/Polyester
Measures (LxW): 630x2.5 mm
Delivery unit: 12 Pcs., 3 Pcs. each color

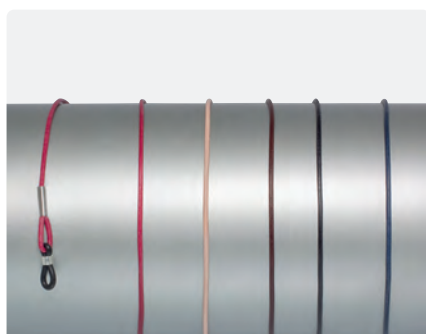
SKU. 1258



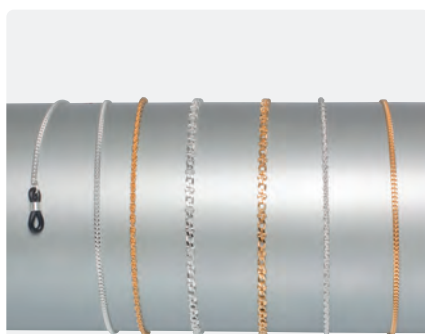
01.



03.



02.



04.

01. Elastic Cords Set, Thin

Skin-friendly elastic cords, extra durable.
Colors: black, dark brown, dark blue, grey
Material: Rubber/Polyester
Measures (LxW): 630x1 mm
Delivery unit: 12 Pcs., 3 Pcs. each color

SKU. 1259

02. Goatskin Leather Straps Set

Leather straps of smooth goatskin leather. The leather comes from South Germany and is tanned eco-friendly.
Colors: black, dark brown, dark blue, red, beige
Measures (LxW): 660x1.5 mm
Delivery unit: 12 Pcs.,
4 Pcs. black, each 2 Pcs. darkbrown, darkblue, weinred, beige

SKU. 1261

03. Cowhide Leather Straps Set

The classic leather straps of cowhide leather. Made of Southern German skins, vegetable tanned, free from toxic chemicals.
Colors: black, dark brown, dark blue, red, beige
Measures (LxW): 700x2 mm
Delivery unit: 12 Pcs.,
4 Pcs. black, each 2 Pcs. dark brown, dark blue, red, beige

SKU. 1260

04. Elegant Set

The elegant variety in one set: Flat armor chain, double anchor chain and plait chain.
Nickel free
Colors: gold, silver
Material: Tombac
Measures (L): 670-690 mm
Delivery unit: 6 Pcs., 3 Pcs. each color

SKU. 1237



01.

01. Glubbschi

The little ones love the moving googly eyes of the imprinted figures on this joyful and robust kids case.
Inside color: light grey

Subject Cat	SKU. 2323.1
Subject Bee	SKU. 2323.2
Subject Bunny	SKU. 2323.3
Subject Chic	SKU. 2323.4
Subject Sheep	SKU. 2323.5
Subject Mouse	SKU. 2323.6
Subject Frog	SKU. 2323.7
Subject Bird	SKU. 2323.8



02.

02. Fräulein Plapp

This slim flap case can be used standing on the desk when opened and it closes with a deep „Plapp“.
Inside color: lightgrey

light grey	SKU. 2324.200
green	SKU. 2324.520
turquoise	SKU. 2324.602
red	SKU. 2324.800



01. Marie-Luise

Elegant and with a soft flawless feel Marie-Luise shows off its best with the nice embossing and printing details. Inside color: black

black/grey	SKU. 2325.100
brown/blue	SKU. 2325.300
blue/grey	SKU. 2325.603
black/red	SKU. 2325.800



02. Samtweich

This velour pouch velvety wraps up spectacles in the most common colors and protects from scratches and dirt. Delivery unit: 10 Pcs.

dark green	SKU. 2326.500
black	SKU. 2326.100
grey	SKU. 2326.200
brown	SKU. 2326.300
red	SKU. 2326.801
red	SKU. 2326.800
dark blue	SKU. 2326.620



01.

01. Sonnenfreund

Colorful, loud and huge! This sun friend made of plastic protects glasses in any shape and size.

transparent	SKU. 2327.001
black	SKU. 2327.100
yellow/black	SKU. 2327.107
green/black	SKU. 2327.500
blue/black	SKU. 2327.600
red/black	SKU. 2327.800
pink/black	SKU. 2327.832



02.

02. Knall-Bonbon

Those bright colored cases never get lost - even in the fullest hand bag they're always ready to hand!

Inside color: black

black	SKU. 2328.100
grey	SKU. 2328.200
green	SKU. 2328.520
blue	SKU. 2328.600
orange	SKU. 2328.710
red	SKU. 2328.800
lilac	SKU. 2328.830
pink	SKU. 2328.832



01.

01. Handschmeichler

It feels so good and you won't want to put it down anymore.

Inside color: black

black	SKU. 2329.100
blue	SKU. 2329.620
red	SKU. 2329.800
burgundy	SKU. 2329.801



02.

02. Eisenherz

Robust and with a plain design Eisenherz is a true allrounder.

Inside color: grey

black	SKU. 2330.100
light grey	SKU. 2330.200
blue	SKU. 2330.620

Cases



01. Plastic Pillow Packs

As long as they're empty they can be stored completely flat and thus very space saving.

Color: matt-transparent

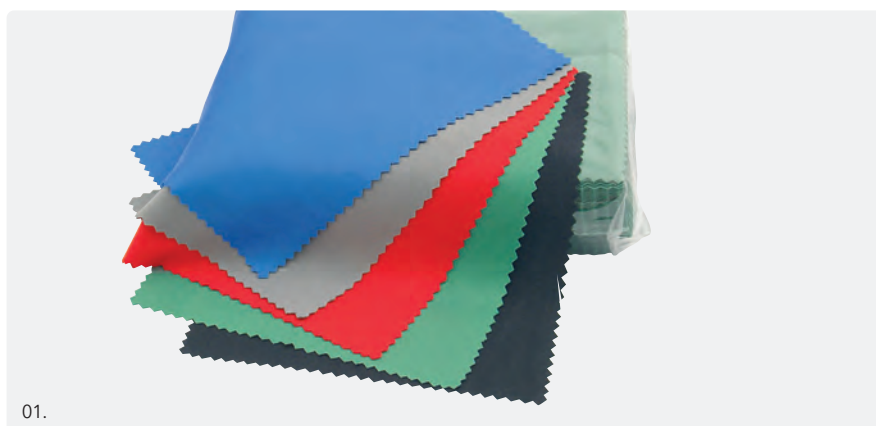
Material: PP

Measures (WxHxD): 220x5x85 mm

Measures folded (WxHxD): 185x35x75 mm

Delivery unit: 10 Pcs.

SKU. 2121



01.



02.

01. Microfibre Cloths ECO

Measures (WxH): 150x180 mm

Delivery unit: 100 Pcs.

blue	SKU. 1422.600
grey	SKU. 1422.200
red	SKU. 1422.800
green	SKU. 1422.500
black	SKU. 1422.100

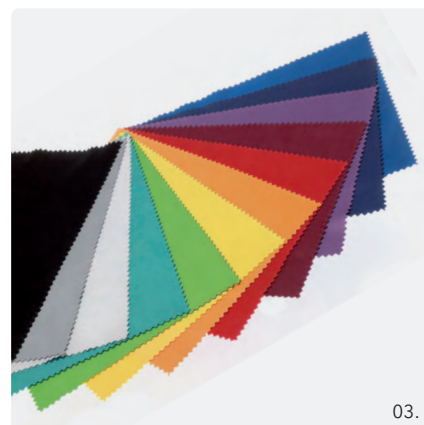
02. BigBag Microfibre Pouch

Can be used as a cleaning cloth. Cleans lenses streak-free, can easily be washed out and isn't fuzzy.

Color: black

Measures (WxH): 100x180 mm

SKU. 2600



03.

03. Microfibre Cloths Premium

High quality microfibre cloth with excellent cleaning properties specially developed for the cleaning of sensitive spectacle lenses. The heavy and smooth tissue removes dirt particles thoroughly and careful.

Material: Polyester 70%, Polyamide 30%

Weight: 250 g/m²

Measures (WxH): 140x180 mm

Delivery unit: 100 Pcs.

black	SKU. 1433.100
grey	SKU. 1433.200
white	SKU. 1433.150
turquoise	SKU. 1433.602
apple green	SKU. 1433.510
yellow	SKU. 1433.700
orange	SKU. 1433.710
red	SKU. 1433.800
burgundy	SKU. 1433.801
lilac	SKU. 1433.830
dark blue	SKU. 1433.620
light blue	SKU. 1433.610



01. Microfibre Gloves

Cleaning gloves made of smooth, white microfibre.
For the cleaning of frames and lenses.

Delivery unit: 1 Pair

-
- S (70 mm) SKU. 1414.22
M (75 mm) SKU. 1414.25
L (80 mm) SKU. 1414.28

02. Pocket Screwdriver with 4 Functions

4 in 1: With this tool you are perfectly prepared for all situations.

Includes:

- 1 Cross Slot
- 1 Slot
- 2 Nut drivers

Length screwdriver: 62 mm

Length chain: 32 mm

Color: silver

Delivery unit: 10 Pcs.

SKU. 4911



03. Pocket Screwdriver Set

Includes 6 fold-out screwdrivers.

Slot: 1.6/2.0 mm

Cross slot: 1.5/1.8 mm

Nut driver: 2.32/2.57 mm

Color: silver

Length chain: 50 mm

Measures (LxWxH): 58x24x12 mm

SKU. 6372



01. Reading Lights nachteule®

01. Reading Lights nachteule®

The 8 g light nachteule® can be attached at any frame temple. The small LED light makes reading possible at any time and any place. The light cone is wide and defined. The latest lithium technology gives the nachteule® enough power to run 40 hours.

Delivery unit: 1 Pcs.

SKU. 4116

02. Spare Battery for nachteule® (without fig.)

SKU. 4114.1

Safety Goggles



01.

Incl.:



Different clips



Case

01. Safety Goggles for Recreational Use

Working in the garden or riding your bike, now you can have protection for your face and eyes. These safety glasses include a clear and a toned clip (G-15). Also included are carabiner and a matching strap.

Material frame: Polyamide

Material lenses: Polycarbonate

Measures (LxH): 170x47 mm

SKU. 7900.100



02.

Incl.
spare clip

02. Safety Goggles with Spare Clip

Clear safety glasses with rubber band. It is possible to switch the clips. The soft material adapts to every face. Ventilation slots protect from fogging.

Material: Polycarbonate

Width field of view: 144 mm

Measures (LxH): 155x80 mm

Delivery unit:

- Goggles
- Light spare clip
- Rubberband

SKU. 7902.001



01.



02.

01. Safety Goggles Classic

Clear safety glasses made of polycarbonate. Wide temples and ventilation slot.

CE and according to EN 166.

Transmission 0% to 380 nm

Material: Polycarbonat

Width field of view: 150 mm

Measures (LxH): 160x60 mm

SKU. 7901.001

02. Glazable Saftey Goggles

Especially for the ametropic. These safety glasses are vitrifiable. Combine good vision with the proper protection. The clip can also be cleaned with ethyl alcohol.

Material: Polycarbonate

Width bridge: 20 mm

Diagonal line: 52 mm

Measures inner clip (LxH): 50x36 mm

SKU. 7903.001



03.

Incl.:



different clips



Case

03. Glazable Safety Goggles for Recreational Use

Sunshine, wind or clouds: With these spectacles you are always perfectly protected. An optical clip-in assures you great vision during your leisure time. Your face and eyes are protected no matter if you are working in your garden or if you are riding your bike. These goggles are great for all scopes of your leisure time.

Included in this set is a clear, a G-15 and a yellow disc which can be used during cloudy weather. This set also provides you with a carabiner case.

Material: Polycarbonate

SKU. 7914

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A series of horizontal dotted lines spanning the width of the page, providing a template for handwritten text.

VISIONS
OF THE
FUTURE