



# CONSUMABLES

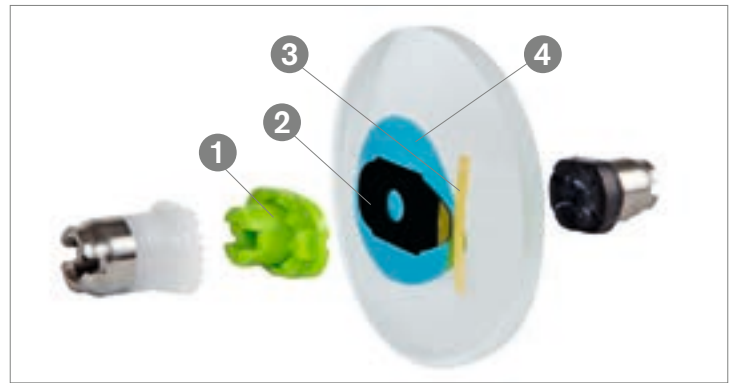
for first aid measures



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- 1 Lens Block
- 2 Adhesive Pad
- 3 Anti-Torsion Foil
- 4 Protection Foil (back of the lens)



## NIDEK Lens Block Pliable Cup

Flexible lens block for NIDEK machines with original NIDEK pick up.  
Due to the larger surface of the lens block the risk of axis distortion is reduced.

**Please use the matching B & S adhesive pads No. 2502 17, 2503 17, 2506 17, 2507 17, 2508 17, 2510 17, 2511 17 or 2512 17 only!**

Up to curve 8.

∅ 30 x 17 mm    10 pieces



**3710 17N**



**3710 17R**  
Red (left lens)



**3710 17G**  
Green (right lens)



**3710 50**  
Mixed colours for right and left lenses (5x red and 5x green)

For high curves **from base 8**.

∅ 30 x 17 mm    10 pieces



**3711 17**

## NIDEK Lens Block Mini Cup

Flexible lens block for NIDEK machines with original NIDEK Mini pick up. For small and flat shapes only.

Up to curve 6.

∅ 20 x 15 mm    10 pieces



**3714 15**



**3714 15R**  
Red (left lens)



**3714 15G**  
Green (right lens)



**3714 50**  
Mixed colours for right and left lenses (5x red and 5x green)

## NIDEK Lens Block Nano Cup

Flexible lens block for NIDEK machine LEX 1000.

For very small and flat shapes. To be used with the complete outer ring.

**Please use the matching B & S adhesive pad No. 2503 13 only!**

Up to curve 6.

∅ 30 x 17 mm/18 x 13.5 mm

10 pieces



**3715 13R**  
Red (left lens)



**3715 13G**  
Green (right lens)



**3715 13**  
Mixed colours for right and left lenses (5x red and 5x green)



## Vario Block

Flexible plastic, for adhesive pads. Suitable for WECO-system.

∅ 25 x 20 mm

∅ 25 mm

∅ 25 x 20 mm

∅ 25 mm

10 pieces

25 pieces

10 pieces

25 pieces



**3700 20**  
White  
Flat curve



**3700 25**  
White  
Flat curve



**3701 20**  
Red  
For high plus lenses



**3701 25**  
Red  
For high plus lenses



Adhesive pads should not be stored longer than 6–12 months depending on the material. Storage should be at room temperature (approx. + 18 °C) and with a humidity of approx. 30 %. For an optimum adhesive strength please store the adhesive pads in your refrigerator and remove them 15 minutes before using them!



## Adhesive Pads for Super Hydrophobic Lenses

- Material: Ethyl vinyl acetate foam
- Integrated anti-torsion foil
- In a dispenser box

± 0.9 mm  1 roll (500 pieces)



2511 17



2511 19



2511 22



2511 24

Order No.	∅ in mm	Adhesive power	Protection against axis slip	Type	for blocker
2511 17	31 x 17	very high, for super hydrophobic lenses	very high, <b>including anti-torsion foil</b>	NIDEK	No. 3710 ..   3711 17
2511 19	30 x 18			Universal	
2511 22	22			Universal	
2511 24	24			Universal	

- Material: Ethyl vinyl acetate foam
- Integrated anti-torsion foil
- In a dispenser box

± 0.9 mm  1 roll (500 pieces)



2510 17



2510 18



2510 24



Order No.	∅ in mm	Adhesive power	Protection against axis slip	Type	for blocker
2510 17	31 x 17	high, for super hydrophobic lenses	high, <b>including anti-torsion foil</b>	NIDEK	No. 3710 ..   3711 17
2510 18	30 x 18			Universal	
2510 24	24			Universal	

## Adhesive Pads for Hydrophobic Lenses

- Material: Polyurethane foam
- In a dispenser box

± 0.9 mm  see table



**2507 14**



**2507 17**  
**2507 171**




**2507 18**  
**2507 181**



**2507 22**  
**2507 221**



**2507 24**  
**2507 241**

Order No.	∅ in mm	Adhesive power	Protection against axis slip	Type	for blocker	 (pieces)
<b>2507 14</b>	21 x 14	very high, for hydrophobic lenses	very high	Universal		1 roll (500)
<b>2507 17</b>	31 x 17			NIDEK	No. 3710 ..   3711 17	1 roll (500)
<b>2507 171</b>	31 x 17			NIDEK	No. 3710 ..   3711 17	1 roll (1,000)
<b>2507 18</b>	30 x 18			Universal		1 roll (500)
<b>2507 181</b>	30 x 18			Universal		1 roll (1,000)
<b>2507 22</b>	22			Universal		1 roll (500)
<b>2507 221</b>	22			Universal		1 roll (1,000)
<b>2507 24</b>	24			Universal		1 roll (500)
<b>2507 241</b>	24			Universal		1 roll (1,000)

- Material: Polyurethane foam
- In a dispenser box

± 0.9 mm  1 roll (1,000 pieces)



**2512 17**



**2512 19**



**2512 22**



**2512 24**


Order No.	∅ in mm	Adhesive power	Protection against axis slip	Type	for blocker
<b>2512 17</b>	31 x 17	very high, for hydrophobic lenses	very high	NIDEK	No. 3710 ..   3711 17
<b>2512 19</b>	30 x 19.5			Universal	
<b>2512 22</b>	22			Universal	
<b>2512 24</b>	24			Universal	



## Adhesive Pads for Hydrophobic Lenses

- Material: Polyurethane foam
- In a resealable polybag

 0.9 mm

 10 strips (200 pieces)


2508 17



2508 18





2508 24

Order No.	Ø in mm	Adhesive power	Protection against axis slip	Type	for blocker
2508 17	31 x 17	high, for hydrophobic lenses	high	NIDEK	No. 3710 ..   3711 17
2508 18	18			Universal	
2508 24	24			Universal	

## Adhesive Pads for Standard Lenses

- Material: PVC film
- Comparable with 411 quality (thin very strong line)
- In a dispenser box

 0.38 mm

 see table


2502 17



2502 18




2502 19



2502 21



2502 24

Order No.	Ø in mm	Adhesive power	Protection against axis slip	Type	for blocker	 (pieces)
2502 17	32 x 17	high, for standard lenses	high	NIDEK	Nr. 3710 ..   3711 17	1 roll (1,000)
2502 18	18			Universal		1 roll (1,000)
2502 19	28 x 18			Universal		1 roll (500)
2502 21	30 x 21			Universal		1 roll (500)
2502 24	24			Universal		1 roll (1,000)



## Adhesive Pads for Standard Lenses




- Material: Ethyl vinyl acetate foam
- 3M Leap III Adhesive Pads – the original 3M with double pull tabs
- In a dispenser box
- In a resealable polybag (2503 13)

 0.8 mm  see table



Order No.	Ø in mm	Adhesive power	Protection against axis slip	Type	for blocker	 (pieces)
<b>2503 13</b>	31 x 17 18 x 13,5			NIDEK Nano-Cup	No. 3715 13 (two-piece)	5 strips (100)
<b>2503 17</b>	31 x 17	very high, for standard lenses	very high	NIDEK	No. 3710 ..   3711 17	1 roll (1,000)
<b>2503 18</b>	18			Universal		1 roll (1,000)
<b>2503 26</b>	26			Universal		1 roll (1,000)

- Material: Polyolefin foam (2501 ..), Polyethylene foam
- In a dispenser box

 0.9 mm (2501 18)  0.8 mm  1 roll (1,000 pieces)



Order No.	Ø in mm	Adhesive power	Protection against axis slip	Type	for blocker
<b>2506 17</b>	31 x 17			NIDEK	No. 3710 ..   3711 17
<b>2501 18</b>	18	high, for standard lenses	high	Universal	
<b>2501 24</b>	24			Universal	
<b>2500 19</b>	30 x 18			Universal	
<b>2500 22</b>	22			Universal	
<b>2500 24</b>	24			Universal	



## Lens Protection and Anti-Torsion Foil



Order No.	∅ in mm	Product information	Field of application	📦 (pieces)
<b>Anti-torsion foil</b>				
<b>2560 30</b>	40 x 28	To protect the front and back of the lens during the edging process. This protection foil is especially made for lenses with high-quality coatings. Storing period for adhesive pads: 6 months.	For lenses with + 4.5 dpt. on the front surface.	1 roll (500)
<b>2560 31</b>	40 x 28	To protect the front and back of the lens during the edging process. This protection foil is especially made for lenses with high-quality coatings. Storing period for adhesive pads: 6 months.	For lenses with + 4.5 dpt. on the front surface. Oval shape for better handling!	1 roll (500)
<b>2560 32</b>	40 x 26	For high curved lenses. To protect the front and back of the lens during the edging process. This protection foil is especially made for lenses with high-quality coatings. Storing period for adhesive pads: 6 months.	For lenses with high base curve. Especially flexible!	1 roll (500)
<b>2560 42</b>	40 x 26	To protect the front and back of the lens during the edging process. The improved glue of the foil increases the adhesive power on all lenses with hydrophobic coatings. Storing period for adhesive pads: 6 months.	For lenses with + 4.5 dpt. on the front surface and hydrophobic lenses. Oval shape for better handling!	1 roll (500)
<b>Lens protection</b>				
<b>2560 35</b>	35	To protect the back of the lens during the edging process.		1 roll (1,000)

## Lens Grip

- Grip spray for lenses with hydrophobic and clean effect coatings
- Works additionally as a protective film to reduce the possibility of scratches and can be applied on the front and rear side
- Prevents axis slippage during the edging process
- Can easily be removed with conventional cleaning agents
- Dries quickly and is economical in use

**2562 00**    📦 150 ml    📏 144 x 50 mm

**2562 10**    📦 500 ml    📏 238 x 63 mm





## Environmentally friendly Anti-Foaming Agent

The 100 % ecological compatibility of this item together with its high yield and effectiveness have earned it the B&S title of Top Product. Proving itself with its first use it does away with any annoying creation of foam during the grinding process. Another positive effect is the reduced corrosion of machine parts. Especially recommended by the B&S goes Green team.

### Anti-Foaming Agent, blue

- Prevents foaming during grinding process
- Improves the grinding process
- Cools and protects machine parts from corrosion
- Improves overall care of the machine
- Reduces the build-up of grinding waste
- Rapid decline of dirt particles
- Has minimal aerosol development
- Contains no hazardous substances, is physiologically safe
- Very efficient (100 ml grinding additive for 20 litre water)


**3148 50**

500 ml

### Bag Insert for Grinding Water Tank

Made of grey, tearproof plastic.

**2900 51**

800 x 560 x 0.06 mm

10 pieces



To prevent chemical reactions we recommend changing the water for the edger maximum every second week.

### Whetstone for Hand Edger, green

- Type: Fine
- Field of application: Diamond wheels, fine

**3419 00**

100 x 8 x 25 mm

40 g



### Abrasive Stones

- Colour: Red
- Type: Rough
- Granulation: 120
- Field of application: Diamond wheels of edgers

**3422 12**

110 x 12 x 25 mm

927 g

12 pieces



- Colour: White
- Type: Fine
- Granulation: 320
- Field of application: Diamond wheels of edgers

**3423 12**

100 x 13 x 25 mm

831 g

12 pieces



- Colour: Light blue
- Type: Very fine
- Granulation: 1,500
- Field of application: Diamond polishing wheel

**3424 01**

100 x 13 x 25 mm

80 g



## Retractable Graphite Pencil

- Applicable to foils, spectacle lenses and even surfaces
- White is recommended for dark materials, especially for tinted lenses
- Refillable with leads No. 2624 22 and 2624 55

2624 02



White



2624 22



White

12 pieces

2624 05



Red

2624 55



Red

12 pieces

## Lens Marking Pen

- Especially for lenses with clean effect coatings
- Light, water and abrasion resistant ink
- Dries quickly and can be removed with spirit alcohol
- Stroke width: 0.8 mm
- Tip: Round tip

2620 02



White

2 pieces



## Lens Marking Pen

- Especially for lenses with clean effect coatings
- Water resistant
- Remove colour with spirit alcohol
- In a patent-registered box
- Two types: Fine and super fine

2625 01



Black, fine

4 pieces

2625 05



Red, fine

4 pieces

2627 01



Black, super fine

4 pieces



## Universal Pen, fine

- Waterproof for permanent marking
- With dry safe function – pen can stay open for hours without running dry
- In a patent-registered box

2623 01



Black

4 pieces

2623 05



Red

4 pieces



## Ink Remover Pen

The marking on lenses can be easily removed with this ink remover pen and can be used on **all types of lens material**.

2630 00



## Foil Pen

Water soluble, smudge-proof foil pen for occlusion foils, lenses and prism foils.

2628 01



Black

2 pieces



## Too large, wrongly drilled holes were yesterday

For sealing, for repairs or for repairing small blemishes – the UV-Fix-Gel is the indispensable helper of the optician. Curing by UV light, it can be used, among other things, for glazing and processing rimless frames which can be further processed when cured. Its high strength, crystal-clear colour, non-sticky surface and possible application to polycarbonate set it apart from other products of this kind, giving it the rating of top product.

### Available as:

#### a) UV Gel Applicator

- Perfect for delicate fittings
- Handy, convenient
- No air bubbles in the cannula

3184 03

 3 ml



#### b) UV Gel Application Bottle

- Convenient application bottle
- Reclosable
- With application tip for precise dispensing

3184 10

 10 ml



#### Accessories: UV Gel Inverted Holder

- UV glue is always ready for use and can be used up to the last drop
- Stable and perfect for immediate use
- No air bubbles in the cannula
- Supplied without application bottle

3184 09

 40 x 65 x 50 mm

## Proformic UV Glue

- Can be applied in several layers
- Cure with special developed and included LED
- Can be reworked in cured condition
- Colour after cure is transparent to slightly yellowish tint
- Solvent-free
- Delivered in a metal case

3186 00

 4 g

#### Refill Cartridge

3186 01

 4 g



You will find our UV lamps No. 2431 00 and 2421 00 on page A 38.



## Instant Adhesive

### Loctite 4850

- Superglue especially for **polycarbonate and Trivex**
- Stays flexible after curing
- Colour: Transparent

3162 00  5 g

3162 02  20 g



### Loctite 460

- Superglue
- Also suitable for **polycarbonate and Trivex lenses**
- Colour: Transparent


3162 10  20 g



### VA 2500 HT

- High viscosity superglue
- Especially for **polycarbonate and Trivex**
- Resistant to liquids
- Remains flexible after curing
- Colour: Transparent

Comparable with Loctite 4850

3165 00  5 g

3165 02  20 g



### VA 1460

- Medium viscous superglue
- Suitable for **polycarbonate and Trivex lenses**
- Less susceptible to liquids
- Colour: Transparent

Comparable with Loctite 460

3165 10  20 g



## Universal Adhesive

### Loctite 401


- All-purpose adhesive
- Also suitable for **wood**
- Not suitable for polycarbonate and Trivex lenses
- Colour: Transparent

3162 20  5 g



### Loctite 454 Gel

- General purpose gel
- Ideal when non-drip application is required or for use on vertical or overhead surfaces
- Stays correctable for several seconds
- Ideally suited for applying **rhinestones**
- Not suitable for polycarbonate and Trivex lenses

3162 30  3 g



### VA 1401

- Medium viscous universal-adhesive
- Also suitable for **wood**
- Not suitable for polycarbonate and Trivex lenses
- Fast curing
- Colour: Transparent

Comparable with Loctite 401

3165 20  4 g



## Glass Glues

### Loctite Glass Glue 3494

- Suitable for fixing correction lenses in diving masks
- Solvent-free and crystal clear one-component glue
- For glass and UV permeable plastics

3181 30  25 ml



### Glass Adhesive

- To glue lenses into all types of frames, also to be applied as a liquid lining

3177 00  9 ml



### Screw Grip

- To remove screws with a damaged head
- Immediate effectiveness (without curing)
- Simply wipe off after use

3168 00  20 g



- The filling level of the glues can vary due to the production process
- The details of the firmness refer to the usage of frame screws and can therefore differ to the manufacturers information



## Plastic and all Purpose Glues

### Super Glue

- Newly developed Pen-System which enables pen positioning
- Easy application, clean processing and improved dosing
- Area of application: **Plastics, rubber, metal, balsa wood, leather**
- Final strength after 24 hours
- Not suitable for polycarbonate and Trivex lenses



3185 12  12 g

### Solvent for Glue

- Newly developed Pen-System which enables pen positioning
- Easy application, clean processing and improved dosing
- Solvent for all cyanoacrylate glues
- Short curing time
- Not suitable for polycarbonate and Trivex lenses



3185 22  30 g

### Adhesive SICO MET 40

- Fast curing, solvent-free super glue with high flow rate
- Also suitable for **polycarbonate**



3185 30  20 g

### Superglue Liquid

- Fast curing, solvent-free
- Versatile and economical to use
- Also suitable for **polycarbonate**



3183 04  4 g

### VA 20

- Low-viscosity instant adhesive
- Fast curing, solvent-free
- Also suitable for **polycarbonate**

Comparable with SICO MET 40



3185 40  20 g



# Screw Securing

## Loctite 221

- Low firmness
- Colour: Red

**3159 00**  10 ml



## Loctite 243

- High firmness
- Colour: Blue

**3161 00**  10 ml

**3161 05**  50 ml



## LOCK AN 302-21

- Newly developed Pen-System which enables pen positioning
- Easy application, clean processing and improved dosing
- Low firmness
- Colour: Red

Comparable with Loctite 221

**3160 00**  20 ml



## LOCK AN 302-43

- Newly developed Pen-System which enables pen positioning
- Easy application, clean processing and improved dosing
- High firmness
- Colour: Blue

Comparable with Loctite 243

**3164 00**  10 ml

**3164 05**  50 ml



## Screw Fastener with Patented Dispenser Tip

- Low firmness
- Colour: Blue

**3178 00**  10 g



- The filling level of the glues can vary due to the production process
- The details of the firmness refer to the usage of frame screws and can therefore differ to the manufacturers information





## Stand for Mixing Bowl

1406 00



## Mixing Bowl

1407 00

∅ 21 mm

6 pieces



## Application Tips made of Plastic

- For exact dispensing of screw fastener
- Inner diameter: 0.84; 0.5 and 0.41 mm

1405 10

3 pieces



## Application Tips

- Short metal tip for easy dispensing of super glue
- Long, flexible plastic tip can be shortened if tip becomes blocked
- Inner diameter: each with 0.84 and 0.25 mm

1405 20

4 pieces



## Plastic Bottle

- Material: LDPE
- Capacity: 1 l

1488 03



## Fluid Dispenser

- Fluid dispenser for acetone, petrol, alcohol, B & S special cleaner No. 3175 . . etc.
- Pump mechanism, can be used with one hand, reduces odour, plastic HDPE, with steel cover
- With pre-printed sticky labels
- Capacity: 125 ml



1487 10

## Fluid Dispenser

- Fluid dispenser for acetone, petrol, alcohol, B & S special cleaner No. 3175 . .etc.
- Pump mechanism, can be used with one hand, reduces odour
- PP material with plastic cover
- Capacity: 120 ml



1489 00

3 pieces

## Acetone

- To bond plastic frames
- To clean surfaces
- For plastic frames (no Optyl)

**3173 00**  100 ml



## Special Cleaner for Spectacle Lenses

- Cleaner for polycarbonate, plastic and Trivex lenses
- Ideal for removing lens markings on progressive lenses
- Optimal dosage with B & S fluid dispenser No. 1487 10 and 1489 00

**3175 02**  250 ml

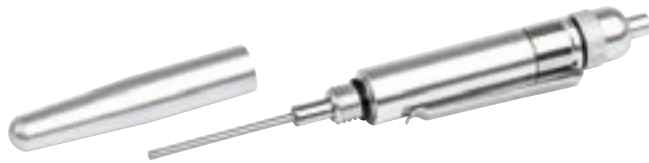
**3175 10**  1 l



## Oil Dropper

- Body made of aluminum
- With single drop release
- Use for acid-free oil and also alkali oil
- Capacity: 5 ml

**2742 00**  145 mm



## Oil

- For spectacle hinges, high quality, non-acidic

**3171 00**  20 ml



## Drill Oil

- For cooling during drilling

**3170 00**  100 ml



## Compressed-Air Spray

Removes dust and fluff quickly and reliably from sensitive surfaces and parts which are not easily accessible.

**Applications:** Optics, instruments, medical technology, clock pieces, keyboards, hi-fi, videos, electrical equipment and model making

3174 15

 400 ml



## Silicone Spray Loctite 8021

Cleans and protects automatic grinders, machinery and equipment. Impregnates rubber, plastic and leather. Repels dirt and water, eases friction parts. Protects against corrosion and oxidation.

**Important!**

Do not allow spray to come into contact with spectacle lenses.

3174 10

 400 ml



## Silicone Care Spray

Cleans and protects grinding units, machines and devices. Impregnates rubber, plastic and leather. Dirt and water resistant. Eases friction on parts. Protects against corrosion and oxidation.

**Beware!**

Do not spray on lenses.

Comparable with Loctite 8021

3174 20

 400 ml



## OPTOCLEAN

Cleaning concentrate 1:20 for frames and lenses (also plastic lenses) in combination with ultra sound. Dilute with 20 parts water, rinse clean parts with running water and dry.

**OPTOCLEAN is a very effective but mild cleaning solution which is suitable for cleaning sensitive materials such as polycarbonate and Trivex.**

**3157 00**  1 l

**3157 25**  2,5 l



## Cleaning Concentrate

Alkaline cleaning concentrate, 1:9 ratio; for extremely dirty metal frames, jewellery and other metal parts, for ultrasonic cleaners. The ammonia ingredient will brighten and freshen up the fine metals as well as coloured metals in an optimal way. The cleaned parts should be rinsed thoroughly under running water and then dried.

**Do not use this cleaning solution on polycarbonate and Trivex lenses or other coated plastic lenses.**

**3158 00**  1 l



You will find our Ultrasonic baths on page A 8 to A 11.



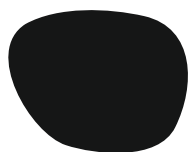


You will find our tinting unit Tinta 2 No. 2880 01 on page A 39.

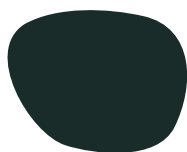
## Lens Dye Packets

- Water soluble dye powder for tinting lenses
- Ready prepared for 1 litre tinting solution
- The powder bag dissolves completely when mixed with hot water

2615 ..  10 g



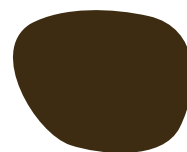
**2615 01**  
Black



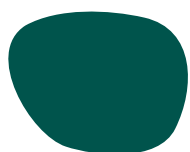
**2615 02**  
Grey green



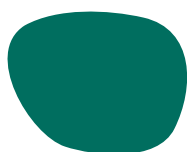
**2615 04**  
Steel grey



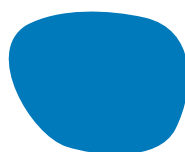
**2615 06**  
Brown



**2615 11**  
Dark green



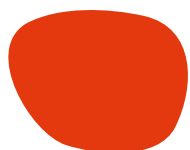
**2615 12**  
Green



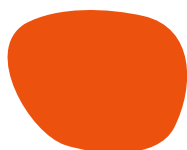
**2615 17**  
Blue



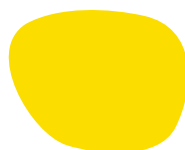
**2615 23**  
Fuchsia



**2615 24**  
Red



**2615 26**  
Orange



**2615 29**  
Yellow

## UV Filter Additive

- Water soluble powder
- To apply an UV filter on lenses
- UV-protection to 400 nm
- Ready prepared for 1 litre tinting solution
- The powder bag dissolves completely when mixed with hot water



2616 00  35 g

## Heat Transfer Fluid

- Special oil, can be used instead of distilled water
- No loss of liquid by evaporation
- Especially suitable for frequent use




2617 00  1 l

## Neutraliser

- Removes colour from tinted lenses



2618 00  1 l

## Disinfectant Wipes – Dispenser

- For cleaning and disinfecting of surfaces of refraction units, autorefractometers, keratometers, etc.
- Effective spectrum against bacteria, fungus and viruses (HCV, HIV, Influenza A & B, Polio)
- 100 pieces: 180 x 125 mm

3154 00



## Disinfectant Wipes – Refill Pack

- 100 pieces: 180 x 125 mm

3154 01







## TIPS & TRICKS

### PLASTI DIP RUBBER COATING

*Scratch Protection in a Twinkling of an Eye!*

#### Plasti Dip

No. 3169 20, 21, 22

#### Thinner

No. 3169 10

Container, syringe, stirring spoon



approx. 5–10 minutes  
without drying period



*This is how it works*

**Option 1: Without thinner** – for smooth surfaces (e.g. plier tips)

#### 1 CLEANING



#### 2 STIRRING



#### 3 DECANT UNDILUTED



#### 4 DIPPING



#### 5 DRYING



**Option 2: With thinner** – for uneven surfaces (e.g. tip of the nose pad arm adjusting plier) | **Repeat step 1–3**

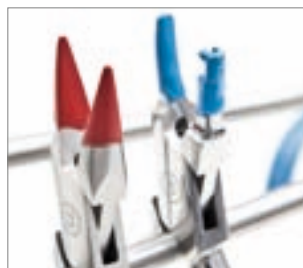
#### 4 FILL THE SYRINGE



#### 5 MIXING AND DIPPING



#### 6 DRYING



**TIP:** To avoid bubbles don't shake the Plasti Dip, stir carefully. Undiluted Plasti Dip can be refilled into the Plasti Dip can. Diluted Plasti Dip can be stored in a lidded can.



## Plasti Dip – Professional Protection whilst Adjusting Frames

Protects, gives grip and stays flexible

### Plasti Dip – Multi-Purpose Synthetic Rubber Coating

- Can be used on metal, glass, stone and wood
- Air drying synthetic rubber coating
- Easy to apply by dipping or brushing
- Food safe in cured condition
- 24 hours curing time

### Starter Set

Contains 3 colours (black, blue and red) and one bottle of thinner.

**3169 51**

### Plasti Dip

**3169 . .**  429 ml

**3169 20** Black

**3169 21** Blue

**3169 22** Red

### Plasti Dip Thinner

**3169 10**  250 ml



## Repair Pens

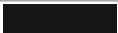




With repair pens you can successfully:



- Repair scratches
  - Cover solder or welding traces
  - Can also be used to cover corrosion caused by perspiration
- Usable for metal and plastic frames.



2612 . .

▪ Available in 10 colours:

Order No.	Colour	Code
2612 20	Gloss black	
2612 21	Matt black	
2612 22	Dark blue	
2612 23	Yellow gold	
2612 24	Gunmetal	

Order No.	Colour	Code
2612 25	Light silver	
2612 26	Light brown	
2612 27	Dark brown	
2612 28	Protective lacquer clear gloss	
2612 29	Protective lacquer clear matt	

## Repair Pen Set

Consisting of 10 pens.

2612 51



- Thoroughly clean the frame part to be repaired
- Shake the pen and press the tip in several times until you see the colour come through
- Put the colour on the required area
- Leave to dry for 10 to 20 minutes. Use a frame heater to dry quicker
- Not appropriate for paint coats that have received heat treatment

## Repair Colours





Coloured quality lacquer for small repairs on frames, for example re-colouring after soldering. The colours may be mixed. The clear lacquer can be used for small repairs of protection lacquer and to optimise the colours.

2611 . .  12 ml



▪ Available in 7 colours plus clear lacquer:

Order No.	Colour	Code
2611 00	White	
2611 01	Black	
2611 02	Metallic silver	
2611 03	Metallic gold	

Order No.	Colour	Code
2611 04	Blue	
2611 05	Red	
2611 08	Brown	
2611 09	Clear Lacquer	

## Repair Colour Set

Consisting of all 7 colours plus clear lacquer.

2611 51







- Thoroughly clean frame parts to be repaired
- Shake the bottle well, you must be able to hear the ball bearing
- Apply the colour to the desired area
- Allow 6 hours to dry

## Ink Paste

Permanent ink paste specifically developed to fill laser or pantograph engravings/decorations on plastic and metal frames. Apply the colour on the selected area with a putty knife to fill in the engravings. Remove excess material. Let dry at room temperature for 2–3 hours.

2609 . .  10 g

Order No.	Colour	Code
2609 00	Black	
2609 01	White	
2609 02	Gold	
2609 03	Silver	



## Lens Deco Pens

- To colour lens edges/surfaces and nylon threads
- Water-based and thus environmentally friendly
- For all materials including polycarbonate
- One pen will colour over 300 lenses
- Air dry for only 30 minutes
- Simply wipe off the colour with acetone or spirit with the exception of polycarbonate lenses



2610 ..

▪ Available in 14 colours:

Order No.	Colour	Code
2610 21 ●	Black	
2610 22 ●	Black matt	
2610 23	White	
2610 24 ●	Cognac	
2610 25 ●	Pink	
2610 26 ●	Grey	
2610 27 ●	Plum	

Order No.	Colour	Code
2610 28 ●	Transparent	
2610 29 ●	Light turquoise	
2610 30 ●	Gold	
2610 31 ●	Silver	
2610 32 ●	Blue	
2610 33 ●	Brown	
2610 34 ●	Bordeaux	

● All included in No. 2610 52

## Lens Deco Pen Set

- Contains 13 pens
- We reserve the right to change the assortment

2610 52



Clean the lens edge thoroughly with lens cleaner No. 3175 .. or with an ultrasonic cleaning unit before application. For best results do not polish the lens edge. Shake the pen and gently push in the cartridge to fill with colour. For easy application attach the lens to a lens groover. Use lens cleaner No. 3175 00 to clean lens after application. Please screw cap on tightly after each use to prevent the pen from drying out.



## TIPS & TRICKS

### PERFECTLY POLISHED

*Buffing Wheel?  
+ Polishing  
Wax?  
= The Combination  
is Important!*



*This is how it works*

#### ACETATE, OPTYL, CELLULOID, PROPIONATE

##### ROUGH POLISHING

<b>Grinding wax</b> No. 3120 00	<b>Buffing wheel</b> No. 3416 10, 3474 00
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##### FINE POLISHING

<b>Polishing wax</b> No. 3118 00, 3123 00	<b>Buffing wheel</b> No. 3416 10, 3474 00
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##### HIGH GLOSS POLISHING

<b>Burnishing wax</b> No. 3118 00, 3125 00, No. 3126 00	<b>Buffing wheel, wool cone</b> No. 3470 01, 3471 00, 3472 00, No. 3561 00, 3571 00, 3582 00
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#### POLYCARBONATE

##### LENS POLISHING

<b>Polishing past</b> No. 3127 00	<b>Felt cloth buff</b> No. 3457 00
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#### CR 39, TRIVEX, PNX

##### ROUGH POLISHING

<b>Polishing paste</b> No. 3126 00	<b>Felt discs</b> No. 3418 00, 3450 00, 3455 10, No. 3456 00
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##### FINE POLISHING

<b>Polishing paste</b> No. 3126 00, 3127 00	<b>Felt cloth buff</b> No. 3457 00, 3474 00
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#### STEEL, WHITE AND PRECIOUS METALS

##### ROUGH POLISHING

<b>Polishing wax</b> No. 3144 00	<b>Buffing wheels</b> No. 3416 10, 3470 01, 3471 00, No. 3472 00, 3474 00
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##### FINE POLISHING

<b>Polishing wax</b> No. 3143 00	<b>Buffing wheels</b> No. 3416 10, 3470 01, 3471 00, No. 3472 00, 3474 00
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##### HIGH GLOSS POLISHING

<b>Burnishing wax</b> No. 3126 00	<b>Buffing wheel, wool cone</b> No. 3470 01, 3471 00, 3472 00, No. 3561 00, 3571 00, 3582 00
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#### BAKELITE, HORN, CAOUTCHOUC, METAL

<b>Polishing wax</b> without any wax	<b>Leather buffing wheel</b> No. 3462 00
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## Felt Buffing Wheel

- Core: Plastic
- Bore Ø: Conical

∅ 100 mm    |—| 15 mm

**3418 00**



## Felt Disc, conical shaped Soft Set Felt

- Core: Centered
- Bore Ø: 8 mm

∅ 100 mm    |—| 20:5 mm

**3450 00**



## Felt Disc

- Core: Centered
- Bore Ø: 8 mm

∅ 100 mm    |—| 25 mm

**3455 10**



## Felt Disc with Groove

- Core: Centered
- Bore Ø: 8 mm

∅ 100 mm    |—| 25 mm

**3456 00**



## Felt Cloth Buff for Polycarbonate

To extend service life the red rings can be separated individually. The felt cloth buff in combination with the polishing wax

**No. 3127 00**, is perfectly suited for **polishing Polycarbonate lenses** – optimum speed for the treatment of Polycarbonate: approx. 1,500 rpm.

- Core: Plastic
- Bore Ø: Conical

∅ 80 mm    |—| 25 mm

**3457 00**



## Leather Buffing Wheel

Is especially suitable for the final polishing of metal rubber, paladon, bakelite, horn etc. Use the wheel dry **without** any polishing compound.

- Core: Plastic
- Bore Ø: Conical

∅ 90 mm    |—| 6 mm

**3462 00**



## Muslin Buffing Wheel

- Core: Leather
- Bore Ø: 6 mm

∅ 125 mm    |—| 12 mm

**3470 01**



## Muslin Buffing Wheel

- Core: Leather
- Bore Ø: 6 mm

∅ 125 mm    |—| 24 mm

**3471 00**





## Flannel Buffing Wheel

- Core: Leather
- Bore Ø: 6 mm

∅ 125 mm    |—| 30 mm

**3474 00**



## Silicone Impregnated Muslin Wheel

This silicone impregnated fabric structure offers significant advantages: it increases the life of the buffing wheel, due to elimination of fluff. They require less pressure during the polishing process and save 50 % on polishing paste.

- Core: Plastic
- Bore Ø: 6 mm

∅ 100 mm    |—| 12 mm

**3472 00**



## Buffing Wheel

- Core: Plastic
- Bore Ø: 8 mm

∅ 100 mm    |—| 10 mm

**3416 10**



## Wool Brush

- Core: Wood
- Bore Ø: 6 mm

∅ 70 mm    |—| 35 mm

**3561 00**



## Wool Brush

- Core: Plastic
- Bore Ø: Conical

∅ 80 mm    |—| 25 mm

**3582 00**



## Yarn Brush

- Core: Plastic
- Bore Ø: Conical

∅ 90 mm    |—| 20 mm

**3575 00**



## Buffing Wool Cone

The buffing wool cone is manufactured in such a way that it can be mounted on a conical polishing tip. A different kind of fixing is not available. Due to the length of the axis unbalanced run may occur.

- Core: Wood
- Bore Ø: Conical

∅ 30:15 mm    |—| 70 mm

**3571 00**



"Perfectly Polished" (see page E 27)



To prevent polishing buffs from fraying these can be napped before first use using a sharp object. However due to the properties of the material cotton cloth is not completely free of fluff.

### For all buffing wheels with plastic core

Plastic cores have conical borings. While attaching to the polishing tip, the cone of the tip and the boring have to match.



To ensure the buffing wool cone No. 3571 00 runs safely it's necessary to check if the cone can be screwed onto the polishing tip for at least 2 cm.



Corresponding to the "European Safety Regulations for the correct use of grinding wheels" the following has to be observed:

1. Wheels with a total diameter of 100 mm or more have to be flanged  $\frac{2}{3}$  on both sides.
2. The maximum running speed has to be observed.
3. During operation safety goggles (see accessories catalogue) have to be worn.





## Polired

3143 00



Applications with approx. 2,800 rpm:	Buffing and smooth polishing: Cloth buffing wheels
Field of application:	Gold, steel
Weight:	approx. 60 g

## Poligreen

3144 00



Applications with approx. 2,800 rpm:	Buffing and smooth polishing: Cloth buffing wheels
Field of application:	White metals
Weight:	approx. 60 g

## Poliblu

3145 00



Applications with approx. 2,800 rpm:	Buffing and smooth polishing: Cloth buffing wheels	Buffing and smooth polishing: Cloth buffing wheels
Field of application:	White metals	Plastic and caoutchouc rubber
Weight:	approx. 60 g	approx. 60 g

## Burnishing Wax, yellow

3126 00



Applications with approx. 3,500 rpm:	High gloss polishing: Cloth buffing wheels
Field of application:	Stainless steel, aluminum, metal, plastic
Weight:	approx. 500 g



Please take note of our small tools assortment including the silicone polisher No. 2240 57 on page C 31.

**Grinding Wax, grey****3120 00****Polishing Wax, blue****3118 00**

Applications with approx. 2,800 rpm:	Rough polishing: Cloth buffing wheels (approx. 2,300 rpm)	Buffing and smooth polishing: Wool wheels, cloth buffing wheels
Field of application:	Plastic	Plastic, optyl
Weight:	approx. 200 g	approx. 700 g

**Burnishing Wax, beige****3123 00****Burnishing Wax, beige****3125 00**

Applications with approx. 3,500 rpm:	Mirror gloss polishing: Wool wheels, cloth buffing wheels	High gloss polishing: Wool wheels
Field of application:	Plastic	Plastic
Weight:	approx. 200 g	approx. 200 g

**Polishing Wax, blue, for Polycarbonate**

The polishing paste is a high gloss polishing paste with "Diamantine" being perfectly suited for polishing **Polycarbonate lenses** as well as for the materials **Titanium, Platinum and Palladium**. The best polishing results will be achieved with the felt cloth **No. 3457 00** which has a patented conical flange (refer to page E 28).

**3127 00**

Applications with approx. 2,800 rpm:	High gloss polishing: Felt cloth buffing wheel, wool wheels
Field of application:	Polycarbonate, Titanium, Palladium
Weight:	approx. 100 g



"Perfectly Polished" (see page E 27)




You will find our polishing motors on page A 24 and A 25.



## Abrasive Bar, flat

- Working area: 230 x 18 x 4 mm

**3253 . .**  2 pieces

**3253 10** Granulation: 100

**3253 22** Granulation: 220

**3253 40** Granulation: 400



## Abrasive Bar, triangular

- Working area: 230 x 11 mm
- Working angle: 60°

**3254 . .**  2 pieces

**3254 10** Granulation: 100


**3254 22** Granulation: 220

**3254 40** Granulation: 400



## Abrasive Bar, half-round

- Working area: 230 x 17 x 12 mm

**3255 . .**  2 pieces

**3255 10** Granulation: 100

**3255 22** Granulation: 220


**3255 40** Granulation: 400



## Assortment of Abrasive Bars

- Shapes: flat, triangular, half round
- Granulation: 100, 220 and 400



**3253 99**  18 pieces (2 per granulation and shape)

## Abrasive Paper

**3251 . .**  230 x 280 mm

 5 sheets

**3251 18** Granulation: 180

**3251 40** Granulation: 400

**3251 24** Granulation: 240

**3251 60** Granulation: 600


**3251 32** Granulation: 320

**3251 80** Granulation: 800



## Abrasive Rubber

To clean solder points,  
to dull metals and plastic.

**3412 . .**  80 x 20 x 50 mm

**3412 01** Granulation: Rough

**3412 02** Granulation: Medium

**3412 03** Granulation: Fine



## Graining Brush

- Core: Plastic
- Bore Ø: Conical
- Wire diameter: 0.6 mm
- Working speed: max. 2,800 rpm

To create a wood grain effect on acetate material.




**3510 00**  100 mm



## Brass Cleaning Brush

- Core: Metal
- Bore Ø: Conical


**3506 00**

 50 mm  10 mm  25 g



## Diamond Tool Cleaner


Pencil shaped; a bundle of 1,500 finest steel wires guarantees the cleaning of drill bits, millers and diamond drill bits. The grade is adjustable.

**3501 00**  120 mm



## Filing Brush


- Flat
- Coated surface: 105 mm

**3516 00**  250 x 35 mm



## Marking Needle


- With hard metal tip
- Ball pen type
- Retracts for safety
- Black plastic grip to optimise the handling
- Spare tips available

**2302 00**  117 mm



## Tips for Marking Needle




- Hard metal spare tips

**2302 10**  2 pieces

## Grinding Sponge Disc

- Granulation: 46
- Max. speed: 4,780 rpm
- Bore Ø: 8 mm

**3426 10**

 100 mm  20 mm  260 g



## Accessories for Soldering and Welding Units

### Gas Cartridge

- For handheld soldering unit No. 2763 00 and Micro Torch Set No. 2762 05 and 2762 00 (discontinued)
- Liquid gas
- Burning duration: approx. 3.5 h at low flame

2761 06  70 ml



### Gas Cartridge

- For use with hand held solder unit No. 2727 30 (discontinued)
- Butane gas

2737 01  400 ml



### Oxygen Bottle

- For Micro Torch Set No. 2762 05 and 2762 00 (discontinued)
- Oxygen gas (no liquid gas)

2760 02  13 g



This is not liquid gas.  
The cartridge lasts for approx. 45 minutes.



Due to legal requirements gas and oxygen will be delivered in separate packaging.

### Solder Dispenser

For Degussa solder No. 3007 00.  
Opening: 1.8 mm




2059 00  200 mm  20 g

## Welding Wires for Laser or TIG Welding

### Silver Palladium Wire

Only for use with spectacle frames with **nickel content, such as monel or German silver.**  
Material strength: 0.4 mm

3043 30  2 x 25 cm



### Titanium Wire

Only for use with **titanium frames.**  
Material strength: 0.3 mm

3043 10  2 x 25 cm



## Electrolyte

3198 00  800 ml



## Flux

3199 01  1 l



## Heatstop


- Isolating paste for all types of soldering
- Prevents the distribution of heat in metal
- Consistency: Paste

3029 00  100 g



## BrazeTec h 80 Flux

- For difficult to process materials, such as **stainless steel**
- Leaves no residue on the soldered area
- Consistency: Paste

3114 00  100 g



## BrazeTec h Flux

- Consistency: Paste

3112 00  100 g

3112 05  500 g



If dried out, welding flux and heat stop can be sprayed with distilled water.

## Silver Solder, white fluid

- For jewellery and frames
- To use without additional flux
- Metal contents: 56 % Ag
- Melting point: 650 °C
- Form: Paste in a dispensing cartridge

3002 00  8 g



white fluid, flux included



You will find our soldering unit No. 2839 60 and further accessories on page A 31 to A 33.





**Hard Solder silver****3003 00****Silver Solder Degussa 600 L 3****3007 00**

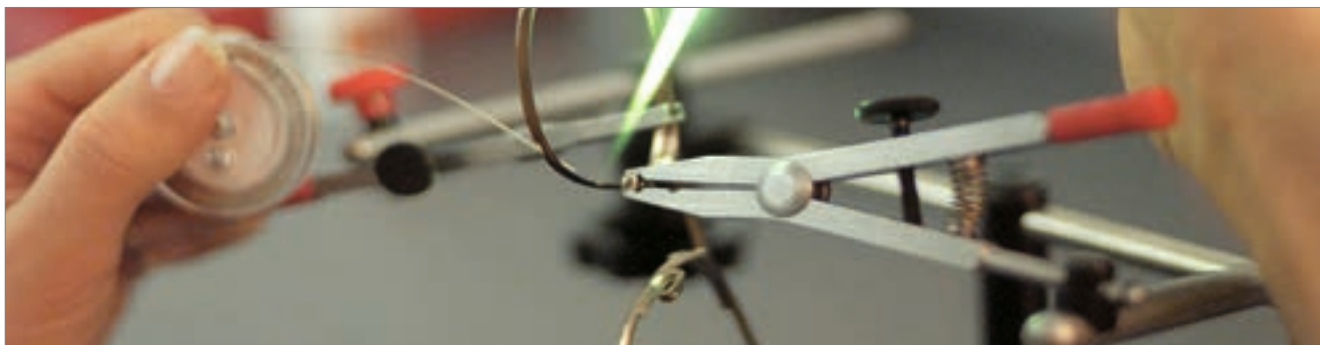
Field of application:	Bronze, nickel, stainless steel	Jewellery
Metal contents:	60 % Ag without Cd	60 % Ag without Cd
Melting point:	680 °C	680 °C
Recommended Flux:	3112 . . BrazeTec h	3112 . . BrazeTec h
Form:	0.5 mm wire Ø	0.4 mm wire Ø in dispenser
Sales unit:	5 g	2 g
Length:	approx. 230 cm	approx. 110 cm

**Silver Solder Degussa 6002 without Cd****3008 00****Phantom Solder****3010 00**

Field of application:	Jewellery	For practice, also suitable for nickel-free material
Metal contents:	60 % Ag, 23 % Cu, 14.5 % Zn, 2.5 % Sn	55 % Ag, Sn
Melting point:	680 °C	660 °C
Recommended Flux:	3112 . . BrazeTec hh	3112 . . BrazeTec h
Form:	0.5 mm wire Ø	0.5 mm wire Ø in dispenser
Sales unit:	5 g	3 g
Length:	approx. 280 cm	approx. 130 cm

**Solder wire, white fluid****3014 00**

Field of application:	All silver alloy over 800 ‰ fineness
Metal contents:	675 ‰ Ag
Melting point:	710 °C
Recommended Flux:	3112 . . BrazeTec h
Form:	0.4 mm wire Ø
Sales unit:	5 g
Length:	approx. 230 cm



## Gold Solder, 8 Ct

**3016 00**



## Solder Wire, yellow fluid

**3015 00**



Field of application:	Jewellery and metal frames of gold allo	All standard metals such as silver, nickel, chrome, stainless steel, brass, etc.
Metal contents:	333 ‰ Au	55 % Ag, 21 % Cu, 22 % Zn, 2 % Sn
Melting point:	590 °C	660 °C
Recommended Flux:	3112 . . BrazeTec h	3112 . . BrazeTec h
Form:	Wire 0.5 mm Ø	Wire 0.4 mm Ø
Sales unit:	1 g	5 g
Length:	approx. 70 cm	approx. 75 cm

## Universal Solder, white fluid

**3022 03**



white fluid, flux included

Field of application:	All standard metals such as silver, nickel, chrome, stainless steel, brass, etc.
Metal contents:	40 % Ag
Melting point:	700 °C
Recommended Flux:	Without flux
Form:	Tube 1 mm Ø
Sales unit:	3 tubes at 150 mm each

## Pallarium – Universal Solder, white fluid

**3023 00**



white fluid, flux included

Field of application:	All standard metals such as nickel, silver, chrome, stainless steel, gold, brass and others
Metal contents:	45 % Ag
Melting point:	580 °C
Recommended Flux:	Without flux
Form:	Tube 1 mm Ø
Sales unit:	12 rods at 150 mm each

## Pallarium – Universal Solder, gold fluid

**3023 01**



gold fluid, flux included

Field of application:	All standard metals such as nickel, silver, chrome, stainless steel, gold, brass and others
Metal contents:	33 % Ag
Melting point:	620 °C
Recommended Flux:	Without flux
Form:	Tube 1 mm Ø
Sales unit:	12 rods at 150 mm each

