



5 B&S

WORKSHOP 2026 | 27





Dear Customer,

You are holding the current edition of our **workshop catalogue for the years 2026/2027** in your hands. This catalogue offers a compact overview of our range of equipment, tools and accessories for everyday work in your workshop. To make it easier to find your way around, we have marked each chapter with a special icon. These stand for:

 **Machines**

 **Pliers**

 **Precision Tools**

 **Optometry**

 **Consumables**

 **Spectacle Frame Parts**

 **Organising Aids**



New to this catalogue is the **icon for new products**, which makes innovative products particularly easy to recognise – in this edition, among other things, the versatile UV test lamp, the ultra-light trial frame RF-680 and reliable Blue Cut adhesive pads.

We hope you enjoy browsing through the catalogue and wish you every success in working with our products.

Your B & S team

Scan the QR code now
and discover the entire
B&S product range.



Contents 2026 | 27



TIPS & TRICKS

Extend your know-how by detailed imaging of complicated work steps and applications



TOP PRODUCT

Selected articles for the efficient design of your working day in the optician's workshop

MACHINES

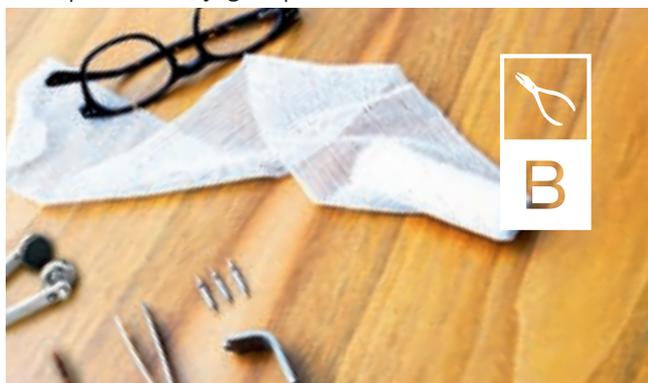
for prevention and treatment



- A 2 Digital Pupilometer
- A 3 Lensmeters
- A 6 Ultrasonic Cleaning Devices
- A 9 Frame Heaters
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- A 16 Diamond Hand Edgers
- A 18 Polishing Motors
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- A 24 Soldering Units
- A 27 Small Devices
- A 29 Hygiene Box
- A 30 UV Lamps
- A 32 CLAVULUS and Accessories

PLIERS

with pliers every grasp fits



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- B 4 Overview: eLite-, Standard Pliers
- B 6 Inclination Pliers
- B 8 Holding Pliers
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PRECISION TOOLS

for complicated procedures



- C 2 Screwdrivers & Nut Drivers
- C 9 Third Hand
- C 14 Rook Anvil
- C 15 Tweezers
- C 19 Cutting Tools
- C 21 Reamers
- C 22 Screw Taps
- C 24 Tips & Tricks: Lens Protection Henry
- C 26 Tips & Tricks: Nylon Liner Tool
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- C 28 Tips & Tricks: Screw Cutter
- C 30 Small Tools
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- C 37 Tool Holders
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OPTOMETRY

Tools for the right diagnosis



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- D 5 Trial Lens Sets
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- D 10 Occluder & Colour Chart
- D 11 Occluders
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- D 14 Tips & Tricks: Prism Foils
- D 15 Ophthalmic Lenses
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- D 18 Contact Lens Equipment
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- D 22 Lens Clock and Thickness Gauge
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CONSUMABLES

for first aid measures



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- E 11 Anti-Foaming Agent and Abrasive Stones
- E 12 Lens Marking Pens
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- E 14 Glues and Screw Securing
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- E 30 Polishing and Grinding Wax
- E 32 Marking and Emery Tools
- E 33 Solder and Flux

SPECTACLE FRAME PARTS

in exact dosage with targeted effect



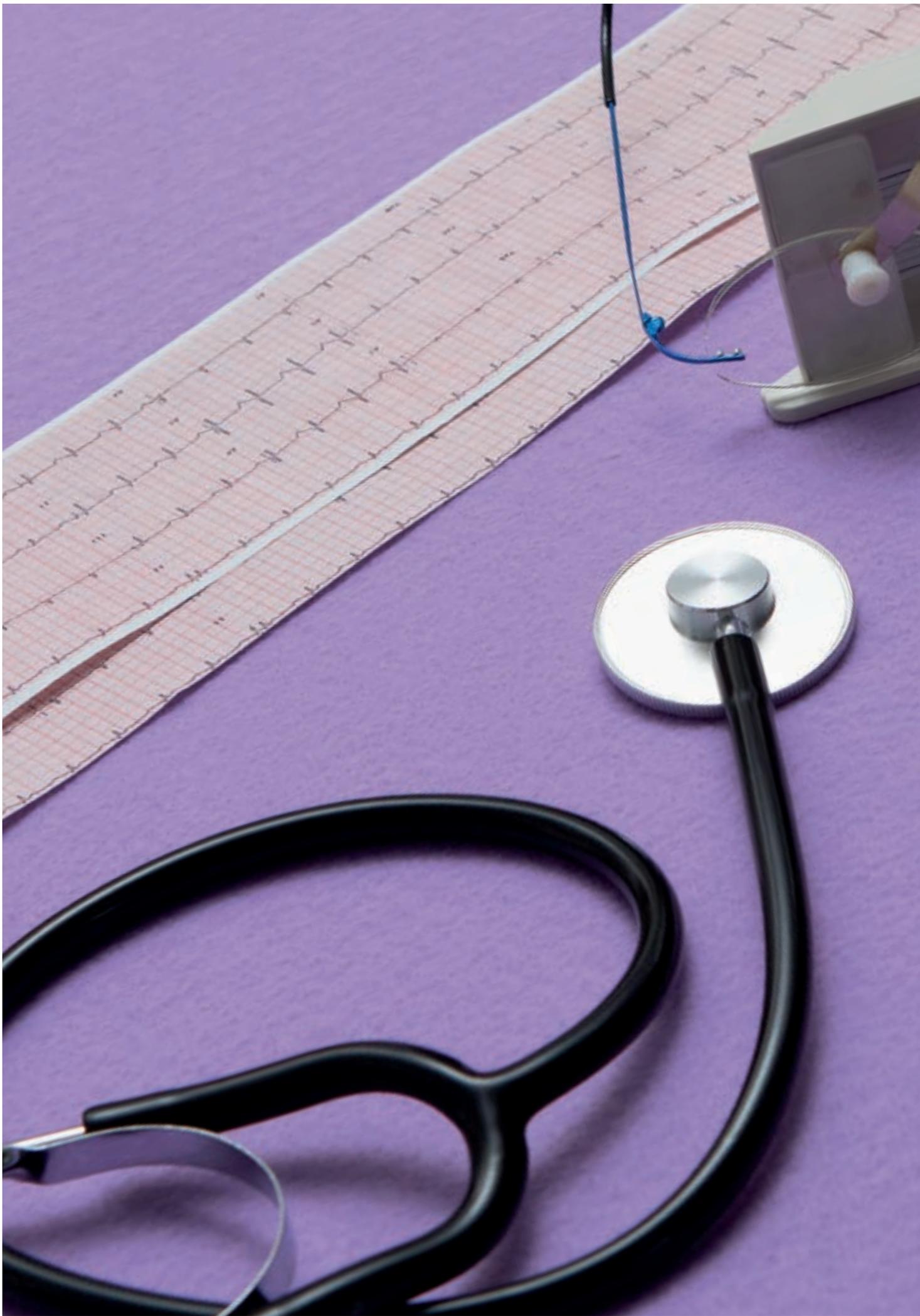
- F 2 Overview: Nose Pads
- F 10 Tips & Tricks: Silicone Nose Pads Minifits
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ORGANISING AIDS

for the effective treatment plan



- G 2 Presentation Trays
- G 3 Job Bags
- G 5 Price Tags
- G 6 Job Trays
- G 9 Assortment Boxes and Hinged Boxes
- G 13 Cosmetic Mirrors





MACHINES

for prevention and treatment



- A 2 Digital Pupilometer
- A 3 Lensmeters
- A 6 Ultrasonic Cleaning Devices
- A 9 Frame Heaters
- A 14 Lens Groover
- A 16 Diamond Hand Edgers
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- A 32 CLAVULUS and Accessories



Pupilometer

Pupilometer with digital display for simple and precise measurement of the pupil distance.

- Switch to select between monocular and binocular measurement
- Illuminated focal point ensures easy reading from the corneal reflection
- Large, easily readable LC display with simultaneous display of total and individual PD
- Switch to select between PD measurement and CVD measurement
- Enlargement switch for spectacle wearer

1202871
238700

Technical data	
Display:	LC display
Focusing:	Light circle
Measured range	
Binocular:	45.0 to 82.0 mm in steps of 0.5 mm
Monocular:	22.5 to 41.0 mm in steps of 0.5 mm
Measuring distance can be selected from:	30, 35, 40, 50, 65 cm; 1.0, 2.0 m; ∞
Voltage supply:	2 x 1.5 V Mignon (type AA, Batteries not included)
Size (w x h x d):	166 x 63 x 221 mm
Weight:	680 g

Battery for Pupilometer No. 1202871 (without illustration)

1200073
014030

 2 pieces

 **12 month warranty!**

 For **spare parts** contact your local distributor.



Automatic Lensmeter BS-5000

- Wavefront measuring with Hartmann-Sensor
- LCD colour touch-screen
- Automatic measurement
- Automatic measuring for progressive lenses
- Measurement of the UV transmission, PD and PH
- Measurement of the blue light filter/Transmission measurement
- Contact lens mode
- Displays resultant prism
- Built-in thermal printer
- Supplied in aluminium case
- Result is available via QR code

1202801
235410

 **12 month warranty!**

 For **spare parts** contact your local distributor.



Exclusive to B & S



Delivery occurs in a precisely fitting aluminium case.

Accessories for BS-4000 WF and BS-5000

Ink Cartridges

- For **special coated** and uncoated lenses
- High contrast during the centering and blocking process of lenses, especially for tinted lenses

 White

 Red

1202826  3 pieces
235760

1202827  3 pieces
235761



Printing Paper

- Roll width: 55 mm
- Roll diameter: 30 mm

1202824  3 rolls
235751

1202825  10 rolls
235752





Ocular Lensmeter

- Adjustment of the body angle
- Easy to handle
- Bright and clear visible measuring mark
- Internal reading
- Including prism compensator
- Marking system: with ink pad

Standard equipment:

- 1 ink pad, 1x box of ink, 1 dust cover

1202810

235520



12 month warranty!



For **spare parts** contact your local distributor.



Accessories for Ocular Lensmeter

Ink for Ocular Lensmeter (without illustration)

1205689

452260

Technical Data for all Devices at a Glance

Technical data	1202801 235410 BS-5000	1202810 235520 Ocular
Measuring range		
Sphere:	- 25 to + 25 dpt.	- 25 to + 25 dpt.
Cylinder:	- 10 to + 10 dpt.	- 25 to + 25 dpt.
Axis:	0° to 180°	0° to 180°
Addition:	0 to 10 dpt.	all in the measuring range
Prism:	0 to 20 Δ	0 to 20 Δ
Measuring units		
Diopters:	0.01/0.06/0.12/0.25 dpt.	0.125 dpt. up to ± 5.0 dpt. 0.25 dpt. from ± 5.0 dpt.
Prism:	0.25 Δ	0.5 Δ up to ± 2.0 Δ 1.0 Δ from ± 2.0 Δ
Prism display:	Cartesian and polar coordinates	Polar coordinates
Measurements		
Optical measuring light Ø:	8 mm	
Pupil distance (steps 0.5 mm):	42 to 82 mm	
UV transmission 0 to 100 % (375 nm):	X	
Measures standard lenses:	X	X
Measures bifocals:	X	X
Measures trifocals:	X	X
Measures progressive lenses:	X	
Measures contact lenses:	X	
Monitor display		
Colour touch-screen:	X	
External communication		
Serial interface RS-232C:	X	
General		
Thermal printer:	X	
Power:	35 W	35 W
Power usage per 10 min:	0.0058 kWh	0.0058 kWh
Voltage:	240 V	240 V
Size (w x h x d):	203 x 471 x 233 mm	150 x 450 x 280 mm
Weight:	4.5 kg	4.9 kg

Elma Easy Cleaning Devices Professional unit “Made in Germany”

The new Elma Easy devices series

- The eco mode enables quieter cleaning that is gentle on the material and extends the service life of the bath. For the most stubborn soiling, the dynamic mode with its optimized sound field distribution in the cleaning bath is used.
- The clearly arranged control panel makes ultrasonic cleaning easy. Visual and audible signals when the cleaning time or temperature is reached and in the event of errors support the user.

Elma Easy 10 – “The Classic”

- Reliable device with 0.8 l tank

1303737

 36 month warranty!

 For **spare parts** contact your local distributor.



Elma Easy 30 – “The Advanced”

- Comfortable device with 2.8 l tank
- Carrying handle in plastic
- More cleaning power, thus better cleaning effect

1303738

 36 month warranty!

 For **spare parts** contact your local distributor.



Elma Easy 30H – “The Advanced – including Heating”

Technically as No. 1303738, plus in addition:

- The cleaning process can be started with or without temperature control
- Heating protected against dry operation for an even better cleaning result
- Rotary switch to adjust temperature setting between 30 and 80 °C in 5 steps
- LED for desired and actual values for the temperature of the fluid

1303739

 36 month warranty!

 For **spare parts** contact your local distributor.



Technical data	1303737	1303738	1303739
Tank (w x h x d):	185 x 55 x 80 mm	220 x 95 x 120 mm	220 x 95 x 120 mm
Tank capacity:	approx. 0.8 l	approx. 2.8 l	approx. 2.8 l
Frequency:	37 kHz	37 kHz	37 kHz
Power:	30 W	80 W	280 W, including 200 W for integrated heater
Power usage per 10 min:	0.005 kWh	0.0133 kWh	0.0467 kWh
Voltage:	230 V	230 V	230 V
Size (w x h x d):	235 x 200 x 130 mm	305 x 230 x 190 mm	305 x 230 x 190 mm
Weight:	2 kg	3.3 kg	3.3 kg
Available baskets:	1303959, 1203794	1303960	1303960



Accessories

Metal Basket

Suitable for ultra sonic device 1303736, 1303737, 1203790 (discontinued) and 1203801 (discontinued).
Consists of stainless steel for hanging

1303959

 155 x 35 x 75 mm without handles  205 g



Metal Basket

Suitable for ultra sonic device 1303738, 1303739, 1203806 (discontinued) and 1203809 (discontinued).
Consists of stainless steel for hanging

1303960

 195 x 50 x 105 mm without handles  340 g



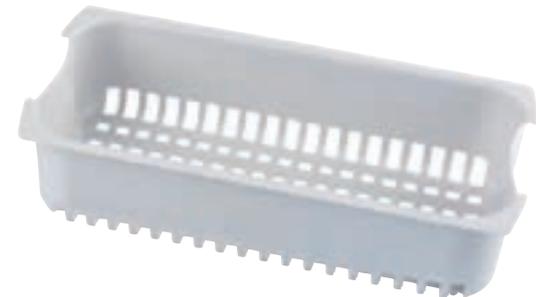
Plastic Basket

Suitable for ultra sonic device 1203790 (discontinued), 1203801 (discontinued) and 1203810 (discontinued).

1203794

297102

 185 x 47 x 85 mm  49 g



You will find our OPTOCLEAN and the cleaning concentrate on page E 22.

Noise protection cover

Suitable for ultra sonic device 1303738 and 1303739
Colour: blue

1307971

 303 x 172 x 18 mm  168 g



Noise protection cover

Suitable for ultra sonic device 1303737
Colour: blue

1307969

 232 x 114 x 17 mm  82 g



Elma Easy built-in cleaning device Professional device "Made in Germany"

- Compact device: container and generator in the same housing without operating elements
- The device is switched on/off by means of a radio-controlled socket. With this device, a quieter and material-friendly cleaning is possible, and it extends the life of the tub. The device can be lifted out of the tabletop with a firmly connected handle to clean it.

Technical data

Tank (w x h x d):	185 x 55 x 80 mm
Tank capacity:	approx. 0.8 l
Frequency:	37 kHz
Power:	30 W
Power usage per 10 min:	0.005 kWh
Voltage:	230 V
Size (w x h x d):	245 x 205 x 130 mm
Weight:	2 kg
Available baskets:	1303959, 1203794

1303736



36 month warranty!



For **spare parts** contact your local distributor.



Accessories

1203791
297011

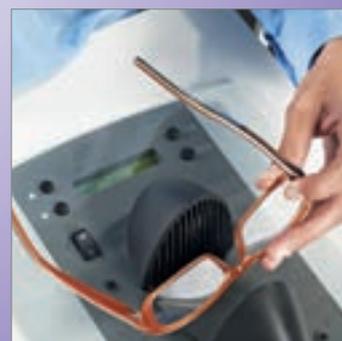
240 x 80 x 100 mm 740 g





A must for all opticians who place value on comfortable working and good design.

This device shows competence and is perfect for working in the sales area. The OPTIFORMA can be built into the service desk. Frames can be heated in almost total silence. A digital temperature and time setting for gentle processing of sensitive materials is an expression of a genuine quality product made in Germany.



OPTIFORMA Profi

- Quiet running
- Stepless temperature and time setting via LCD and keys
- Menu driven handling
- Installed overheat protection
- Auto cut out if unit is knocked over in case of device inclination
- Automatic cooling phase
- Can be built into work bench or service desk, installation depth: 145 mm
- Including a template to use on a work top with a max. of 28 mm thickness
- Distance between the air jets: 45 mm
- Including spot heating jet



Black/Grey

1203184
287201

Technical data

Temperature scale:	60 to 140 °C
Adjustable operating time:	50 to 249 s
Overheating protection through thermo switch	
Power:	800 W
Power usage per 10 min:	0.1333 kWh
Voltage:	230 V
Size (w x h x d):	230 x 228 x 275 mm
Weight:	2.1 kg

 **36 month warranty!**

 For **spare parts** contact your local distributor.

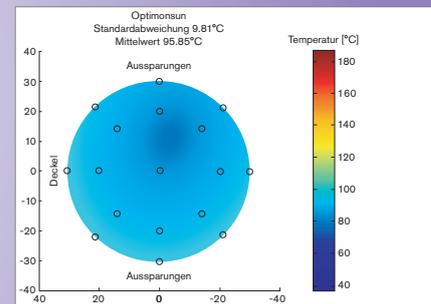
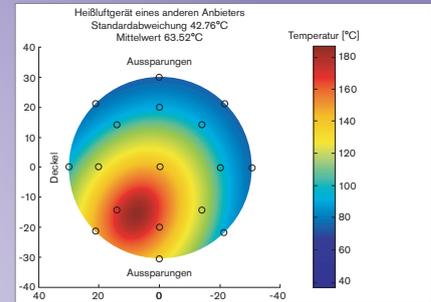
Template for OPTIFORMA Profi No. 1203184 (without illustration)

1203190
287225

An optimized Classic

In cooperation with the technical university of Aalen we made a study to optimize the heat distribution in the cup which is used in this new generation of the OPTIMONSUN.

This branded product made in Germany corresponds with the highest requirements. The electronic version offers an additional third program which is designed for wood and horn processing at higher temperatures (180–230 °C).



Design Frame Heater OPTIMONSUN

- New design unit with especially even temperature distribution in the cup
- More comfortable handling of the frame due to an optimised opening in the cup
- Thermal overload control
- With plastic cup diam. 85 mm, slit width 30 mm, slit depth 34 mm
- Including spot heating jet
- 2,5 m helix cable



1203127
286500
White



1203128
286501
Metallic
Black



1203129
286502
Metallic
Grey



1203130
Blue

1203127–30

Design Frame Heater OPTIMONSUN Electronic

Technically like as specified above but also features:

- Movement sensor for comfortable working
- 3 different settings (non-stop use, 10 min, horn program up to 230 °C)
- With constant electronic temperature control, temperature adjustable
- Automatic switch off after 3 hours
- Including additional slot heating jet



1203143
286600
White



1203144
286601
Metallic
Black



1203145
286602
Metallic
Grey



1203146
Blue

1203143–46

Technical data	OPTIMONSUN D	OPTIMONSUN D Electronic
Temperature:	180 °C	min. 60 °C, max. 230 °C
Temperature with spot heating jet:	max. 200 °C	max. 240 °C
Temperature regulation:	no	10°-steps
Power:	155 W	300 W
Power usage per 10 min:	0.0258 kWh	0.0499 kWh
Voltage:	230 V	230 V
Size (w x h x d):	190 x 265 x 190 mm	190 x 265 x 190 mm
Weight:	1.7 kg	1.7 kg

36 month warranty!

For **spare parts** contact your local distributor.



1203158
286710

Frame Heater OPTIMONSUN

- With plastic cup Ø 85 mm, slit width 30 mm, slit depth 20 mm
- **Without** temperature control
- Metal housing
- 2 m helix cable

1203156-60

 **36 month warranty!**

 For **spare parts** contact your local distributor.



1203156
286701
Metallic
Black



1203158
286710
Metallic
Silver



1203159
286715
Ultramarine
Blue



1203160
286722
White

Frame Heater OPTIMONSUN Electronic

Technically like 1203156-60, but also features:

- With constant electronic temperature control, temperature variable adjustable

1203165-68

 **36 month warranty!**

 For **spare parts** contact your local distributor.



1203165
286901
Metallic
Black



1203166
286910
Metallic
Silver



1203167
286915
Ultramarine
Blue



1203168
286922
White

1203167
286915



Technical data	OPTIMONSUN	OPTIMONSUN Electronic
Temperature:	max. 180 °C	min. 65 °C, max. 180 °C
Temperature with spot heating jet:	max. 200 °C	max. 200 °C
Temperature control:	no	adjustable
Power:	215 W	250 W
Power usage per 10 min:	0.0358 kWh	0.0417 kWh
Voltage:	230 V	230 V
Size (w x h x d):	100 x 250 x 160 mm	100 x 250 x 160 mm
Weight:	1.3 kg	1.7 kg

Frame Heater Fata Up Plus/Fata up

- The quiet and efficient helper during frame adjustments
- Very light, quiet running heater with or without temperature control
- Including spot heating jet

Fata up Plus (with temperature control)

1203214
287800

Fata up (without temperature control)

1203216
287810

Technical data	
Temperature:	0–150 °C
Power:	350 W
Power usage per 10 min:	0.0583 kWh
Voltage:	230 V
Size (w x h x d):	120 x 320 x 180 mm
Weight:	1.9 kg

 **60 month warranty!**

 For **spare parts** contact your local distributor.



Frame Heater Zita Plus

- With constant electronic temperature control
- Adjustable
- Distance between the air jets: 35 mm
- Including spot heating jet
- Metal housing

1203194
287500

Technical data	
Temperature level I:	to 75 °C
Temperature level II:	to 150 °C
Power:	900 W
Power usage per 10 min:	0.1499 kW
Voltage:	230 V
Size (w x h x d):	144 x 213 x 200 mm
Weight:	1.46 kg

 **60 month warranty!**

 For **spare parts** contact your local distributor.





Frame Heater Maga S

- Very strong laboratory heater with heat from both sides
- Two electronically controlled temperature settings.
- Distance between the air jets: 45 mm
- Including spot heating jet
- Metal housing

1203200
287600

Technical data	
Temperature level I:	to 75 °C
Temperature level II:	to 150 °C
Power:	1,500 W
Power usage per 10 min:	0.2499 kW
Voltage:	230 V
Size (w x h x d):	190 x 215 x 315 mm
Weight:	3 kg

 **60 month warranty!**

 For **spare parts** contact your local distributor.



VENTILETTE Model 3

- With plastic cup Ø 80 mm, slit width 30 mm
- Casing and stand are made of aluminium
- Motor on rubber support for quieter running
- Universal motor for alternating current (AC) and direct current (DC)
- Extremely long carbon brushes increase service life span of motor
- With hot and cold switch

1203114
286122



VENTILETTE Model 3, Electronic

- Same as No. 1203114, however with adjustable temperature level

1203117
286142



Technical data	1203114 286122	1203117 286142
Temperature level:	to max. 160 °C	40 to 200 °C (adjustable)
Power:	450 W	800 W
Power usage per 10 min:	0.0749 kWh	0.1333 kWh
Voltage:	230 V	230 V
Size (w x h x d):	275 x 135 x 145 (Ø stand) mm	275 x 135 x 145 (Ø stand) mm
Weight:	1.3 kg	1.6 kg

 **36 month warranty!**

 For **spare parts** contact your local distributor.

Lens Groover

- Large guide rollers enable grooving of even difficult lens shapes
- Adjustable groove depth
- Grooving parallel to rear face possible
- 4 different grooving types to choose from:
 - Controlled grooving parallel to front or back surface
 - Free wheel grooving
 - Manual controlled grooving
- No adaption on lens curvature necessary
- Including standard groove wheels No. 1096899 (0.55 mm)

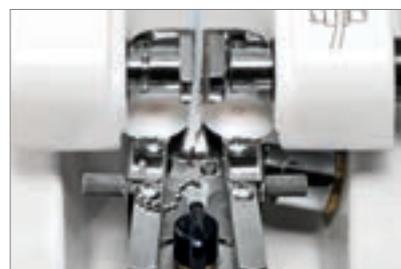
1203373
289900N



Technical data	
Groove depth:	0 to 0.7 mm
Groove width:	0.55 mm
Thickness of lenses:	1.5 to max. 11 mm
Min. lens size for a rectangular flat shape with rounded corners:	22 x 56 mm
Grooving time:	approx. 40 sec/lens
Power:	100 W
Power usage per 10 min:	0.0167 kWh
Voltage:	220 V
Size (w x h x d):	170 x 152 x 220 mm
Weight:	2.9 kg

 **36 month warranty!**

 For **spare parts** contact your local distributor.



Spare Parts for Groover No. 1203373 and 289900 (discontinued)

For 1203373 289900N	For 289900	Description
1203351 289813	1203351 289813	Chuck knob right with lock screw
1203352 289814	1203352 289814	Right shaft assembly
1203361 289823	1203361 289823	Ball bearing for driveshaft
1203362 289824	1203362 289824	Drive belt for grooving motor
1203379 289901N	1203378 289901	Groove table complete
1203382 289903N	1203381 289903	Cover for diamond wheel 0.55 mm
1203388 289910N	–	Cover for diamond wheel 1.05 mm/1.20 mm
1203390 289919N	–	Left guide roller
1203391 289920N	–	Right guide roller



Consumables and Accessories for Lens Groovers

Details of the differences:

The grooving wheels made in France offer a very long tool life due to a special sintered diamond coating. The centred axis support guarantees a precise rotation. With this equipment the B&S lens groover will do a perfect job for you.

A worthwhile investment.



- For groove wide: 0.55 mm
- Outer diameter: 25 mm
- For No. 289400, 1203286, 289900 and 1203373



1203269
289301

- For groove wide: 1.05 mm
- Outer diameter: 25 mm
- For No. 289400, 1203286, 289900 and 1203373



1203281
289318

- For groove wide: 1.25 mm
- Outer diameter: 25 mm
- For No. 289400, 1203286, 289900 and 1203373



1203291
289403

Diamond Grooving Wheel

- For groove wide: 0.55 mm
- Outer diameter: 25 mm
- For No. 289400, 1203286, 289900 and 1203373



1096899
289833

Half-Eye Frames Adapter

- For No. 289300, 289400 and 1203286



1203279
289315 1 pair

Hand Edger

- Available with 2 different diamond wheels
- Compact and robust plastic housing
- Switch to change the direction of rotation
- 35 mm width diamond wheel with V-bevel

Rough and fine surfaces with V-bevel

1203704
292800

With fine surfaces with V-bevel

1211531
292820

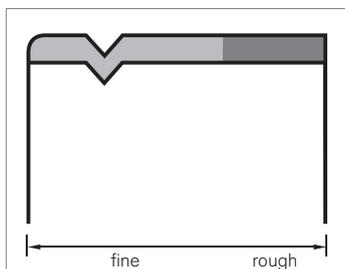


Technical data

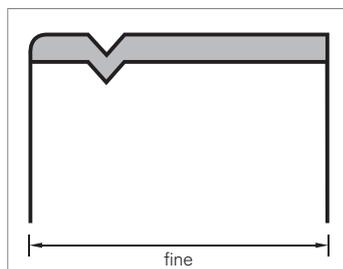
Speed:	2,000 rpm
Measurement of diamond wheel:	Ø 100 mm, width 35 mm
Thickness of graining layer:	2 mm
Power:	150 W
Power usage per 10 min:	0.0249 kWh
Voltage:	220–240 V
Size (w x h x d):	225 x 275 x 360 mm
Weight:	7.5 kg

12 month warranty!

For **spare parts** contact your local distributor.



1203704
292800



1211531
292820

Hand Edger with Sensor

- Rough and fine surfaces with V-bevel
- Contact free operation through an **infra-red sensor**
- Compact and robust plastic housing
- Switch to change the direction of rotation
- 35 mm width diamond wheel with V-bevel

1203714
292810



Technical data

Speed:	2,000 rpm
Measurement of diamond wheel:	Ø 100 mm, width 35 mm
Thickness of graining layer:	2 mm
Power:	150 W
Power usage per 10 min:	0.0249 kWh
Voltage:	220–240 V
Size (w x h x d):	225 x 275 x 360 mm
Weight:	7.5 kg

12 month warranty!

For **spare parts** contact your local distributor.

Chamfering Unit with V-Facet

- Fine surface with V-bevel
- Compact and robust plastic housing
- Switch to change the direction of rotation
- 34 mm width diamond wheel with V-bevel

1203698
292710



Technical data

Speed:	2,800 rpm
Measurement of diamond wheel:	Ø 100 mm, width 34 mm
Thickness of graining layer:	2.5 mm
Power:	75 W
Power usage per 10 min:	0.0125 kWh
Voltage:	220–240 V
Size (w x h x d):	180 x 180 x 260 mm
Weight:	5 kg

12 month warranty!

For **spare parts** contact your local distributor.



The original made in Japan

The classic hand edger with long durability and especially high graining layer thickness. The high-quality diamond wheels are manufactured with precision to ensure a uniform smoothness. A reliable helper in your workshop!

TAKUBOMATIC Hand Edger in 2 Versions

- Direction switch to change the direction of rotation
- High quality diamond wheel, 30 mm width, available in different versions, especially long lasting

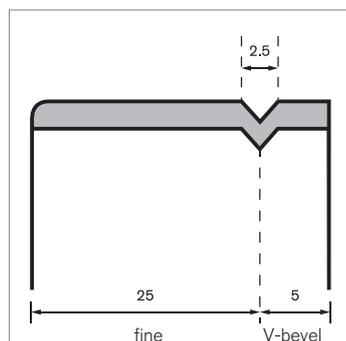


Diamond Hand Edger

With diamond wheel

Finishing wheel with V-bevel and shoulder

1203692
292300

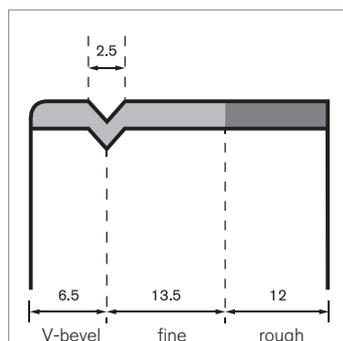


Diamond Hand Edger

With diamond wheel

With V-bevel, rough and fine surfaces

1203693
292500



Technical data

Speed:	1,800 rpm
Measurement of diamond wheel:	Ø 100 mm, width from 30 to 32 mm
Thickness of graining layer:	1.2 mm
Power:	97 W
Power usage per 10 min:	0.0162 kW
Voltage:	230 V
Size (w x h x d):	220 x 280 x 360 mm
Weight:	8 kg

36 month warranty!

For spare parts contact your local distributor.

The “work horse” in a new design

We searched for a long time before we found this polishing motor “Made in Germany” which meets all our requirements: strong torque and variable speed control during clockwise and anti-clockwise rotation. Special features: low speed for easy polishing of delicate materials such as polycarbonate. An optional flexible shaft extends the range of applications. You can rely on this all-rounder made in Germany if you want to polish efficiently and effectively.



B & S Polishing Motor with Clockwise and Anti-clockwise Rotation

- Frequency-controlled three-phase motor
- Clockwise and Anti-clockwise rotation
- Low maintenance ball bearings
- Low noise
- 300 W
- Designed for continuous operation
- Including left and right polishing tip

1203772
296700

Technical data

Speed:	0 up to 6,000 rpm (variable speed)
Height of spindle:	111 mm
Power:	300 W
Power usage per 10 min:	0.0499 kWh
Voltage:	230 V
Size (w x h x d):	250 x 170 x 172 mm
Weight:	11 kg

 **36 month warranty!**

 For **spare parts** contact your local distributor.



Spare Tips for the Polishing Machines No. 1203772 and 296600 (discontinued)

Polishing Tip, left

With right hand thread

1203769
296622

∅ 14 mm (Bore)

—|—| approx. 115 mm



Polishing Tip, right

With left hand thread

1203770
296623

∅ 10 mm (Bore)

—|—| approx. 115 mm



Please consider before ordering: **Lever in right hand run position (clockwise wheel rotation):**
left: polishing tip No. 1203769 – right: polishing tip No. 1203770

LUX Polishing Motor

- With two conical tips (right/left thread) and one wheel adapter
- Two different speed settings
- Not designed for continuous use (max. 20 min)

1203782
296800



Technical data

Speed:	1,400 and 2,800 rpm
Power:	300 W
Power usage per 10 min:	0.0499 kWh
Voltage:	230 V
Size (w x h x d):	250 x 300 x 150 mm
Weight:	5.5 kg

36 month warranty!

For **spare parts** contact your local distributor.



You will find our buffing wheels and polishing wax from page E27 on.

Universal Dust Collector for right and left

- Metal casing with removable plastic tray

1203787
296820

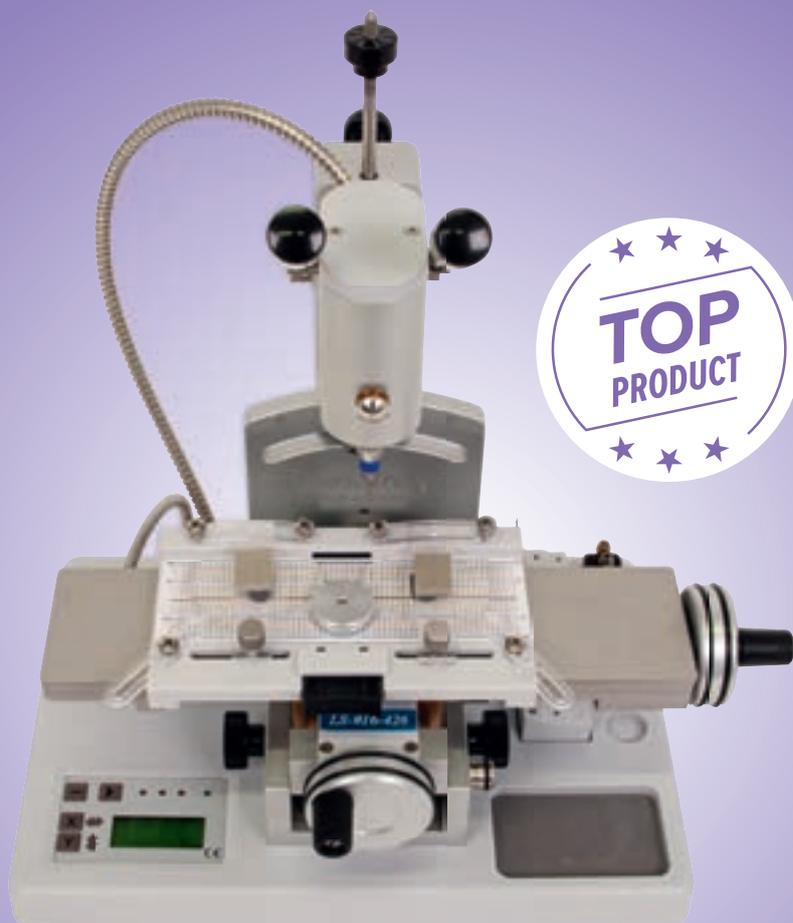
Technical data

Size (w x h x d):	185 x 280 x 270 mm
Weight:	2.75 kg



Introducing the LessStress Drill – the most popular choice in optometry!

Perfect for the precise fitting of drilled eyewear, it offers an ideal combination of precision, versatility, and durability. Crafted with high-quality German engineering, it ensures exceptional performance and long-lasting reliability. A must-have tool in any workshop, designed to elevate your work to the next level. Trust in quality that speaks for itself!



LessStress Drilling Machine

- LessStress drills and mills each lens exactly (0.05 mm with digital display of both axes) according to support lens or drawing
- Drill head swivels

Accessories included:

- LessStress Drilling Machine
- 2 working plates
- 3 carbide milling drills (1.2; 1.3; 1.4)
- Phillips screwdriver
- Collet with collet set
- 4 PVC supports, 2 PVC strips
- 6 clamping straps for blocked-off glasses
- 2 clamping straps for blocked glasses
- 1 zero setter, 2 drive belts, 2 clamping bridges
- storage block for drills
- Power supply 230–12 V
- Operating instructions

1203229
288400

Technical data

Speed:	2,400/3,600/4,800 rpm
Power:	12 W
Power usage per 10 min:	0.00199 kWh
Voltage:	230 V
Operating voltage:	12 V
Size (w x h x d):	300 x 300 x 220 mm
Weight:	3.2 kg

 **12 month warranty!**

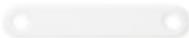
 For **spare parts** contact your local distributor.



You will find our drills and millers from page C 32 on.



Spare parts for LessStress Drilling Machine No. 1203229

	Order No.	Description	Packing unit
	1301158	PVC-Pad with paper back	2 pcs
	1301159	Lens clamps unblocked lenses	2 pcs
	1301375	Power supply	1 pc
	1302633	Milled stop lug	1 pc
	1302892	Hammer pin	2 pcs
	1302893	PVC bridge	1 pc
	1303771	Collet set	1 pc
	1303772	Transmission belt	2 pcs
	1306485	Union nut brass	1 pc
	1306486	High precision collet brass	1 pc
	1306568	Drill stand for drills and mills	1 pc
	1308259	Standard worktop with accessories	1 pc
	1308724	Standard worktop without accessories	1 pc

Proxxon Table Drilling Machine

- Precision measurements due to depth perceptions scale
- Fixed knob with scale
- Transmission belt drive
- Very quiet running
- Incl. machine vice No. 1203243
- Incl. drill chuck No. 1203237
- 6 steel clamps for shaft size from 0.8 to 3.2 mm
- **Accessories:** Base plate No. 1203239, cross table No. 1202672 and lens rest dome No. 1202676

1203248
288755

Identical with No. 1203248, however **without** accessories.

1203242
288720



Technical data

Speed:	1,800 and 4,700 and 8,500 rpm (change by adjusting the belt)
Power:	85 W
Power usage per 10 min:	0.0142 kWh
Voltage:	230 V
Size (w x h x d):	120 x 330 x 220 mm
Weight:	5.7 kg

 **36 month warranty!**

 For **spare parts** contact your local distributor.



Practical drill depth indication
with adjustable knob

Proxxon Drilling Stand

- Cantilever head can be swivelled up to 90°, enabling oblique drilling and versatile milling
- Sensitive feed through steering wheel and roller bearings
- Solid, chrome steel pillar (Ø 20 mm, 280 mm long)
- The handpiece collet can be tilted to both sides in 90°
- Weight: 2 kg

Drilling machine No. 1203233 and vice No. 1203243 are not included.

1202653
212865

 **36 month warranty!**

 For **spare parts** contact your local distributor.



Machine Vice

For table drilling machine No. 1203242 and drill stand No. 1202653 and 212870 (discontinued).

1203243
288721





Xenox Drilling and Milling Unit

Incl. 6 chucks with 1.0; 1.5; 2.0; 2.4; 3.0 and 3.2 mm diameter and drill chuck No. 1203234.

Does not include pictured grinding wheels or polishing wheels.

1203233
288661

Technical data

Speed:	5,000 to 20,000 rpm
Power:	60 W
Power usage per 10 min:	0.0099 kWh
Voltage:	230 V
Size (w x h x d):	240 x 90 x 240 mm
Weight:	2.9 kg

 **36 month warranty!**

 For **spare parts** contact your local distributor.



Proxxon Hand Drilling Machine with Transformer

Incl. 6 chucks with 1.0; 1.5; 2.0; 2.4; 3.0 and 3.2 mm diameter.

1203232
288660

Technical data

Speed:	5,000 to 20,000 rpm (adjustable)
Power:	60 W
Power usage per 10 min:	0.0099 kWh
Voltage:	230 V
Size (w x h x d):	140 x 80 x 240 mm
Weight:	2.9 kg

 **36 month warranty!**

 For **spare parts** contact your local distributor.



You will find our small tools
from page C 31 on.

Hot quality

The AQUARIUS Hydrozon soldering unit is manufactured by a small company in Germany under full compliance with the most demanding quality standards. The best unit we have found. Hydrozon soldering technology minimises harmful oxidation during the soldering process and offers a material saving repair. The environmentally-friendly technology can be used for years almost without the need for any consumables, making it very cost-effective in the long term. We guarantee repair and spare parts service for many years.



AQUARIUS Welding and Soldering Unit

- Designed for continuous use
- Safety pressure control function and backfire control valve built into the handpiece and the hose connection
- Precise regulation of flame is possible by using different size jets and a small knurling wheel
- Optical display of push button function via LED
- Integrated flux container
- **Accessories included (1 each):**
Holder for soldering hand piece No. 1203108, soldering hand piece No. 1203109, float levels No. 1203111 and 1203112, electrolyte No. 1203958 and flux No. 1203960

1203092
283960

Technical data

Number of possible workstations:	1
Maximum gas capacity:	45 l/h
Water consumption:	16 g/h
Flux consumption:	6 g/h
Biggest applicable jet:	20 G (0.9 mm)
Power:	200 W
Power usage per 10 min:	0.0333 kWh
Voltage:	230 V
Size of machine without attachments (w x h x d):	450 x 280 x 220 mm
Operation weight:	14 kg

 **42 month warranty and 20 years spare parts warranty!**

 For **spare parts** contact your local distributor.



Micro-Torch II+ Complete Set with Central Dosing Valve

- Practical soldering device, efficient and space saving
- With central dosing valve for flame regulation that greatly reduces oxygen and gas consumption
- **Accessories included:**
- 2 oxygen bottles No. 1203072, hand piece No. 1203073, gas cartridge No. 1203075, Triox adapter with dosing valve No. 1203080 and single jets No. 1203098, 1203100, 1203102 and 1203103

1203077

276205



Technical data	
Applicable jets:	0.6 to 1.2 mm
Max. working temperature:	2,700 °C
Burning duration of set of bottles:	approx. 1.5 h according to jet size
Weight:	1.73 kg

 For **spare parts** contact your local distributor.



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

Micro Soldering Unit, Type B.P.

- Small and handy unit
- Piezo ignition
- Special jet with air supply provides a small, pointed and 1,600 °C hot flame
- Ready for use, delivery with 1 bottle No. 1203075

1203081

276300

 160 g



Soldering Iron

- Nickle-plated copper tip, straight pointed
- Including hand piece rest

1203082

277000

 200 g



Technical data	
Power:	25 W
Power usage per 10 min:	0,0042 kWh
Voltage:	230 V
Temperature:	max. 420 °C
Heating time:	2 min
Connector cable:	1.5 m
Diameter:	4 mm

 For **spare parts** contact your local distributor.

The classic “Made in Germany”

Reliable for decades and almost unchanged. A solid help with a steady hand.

Soldering Station

- Ideal for holding broken spectacle frames when soldering
- Two adjustable clamps, vertically and horizontally movable
- Mounting of a “Third Hand” possible
- Baseplate heat resistant
- Size of baseplate (w x d): 295 x 210 mm

1203058
275700

 2.1 kg

 For **spare parts** contact your local distributor.



Soldering Station with small Base Plate

- Ideal for fixing workpieces
- With 3 adjustable clamps
- Clamps vertically and horizontally adjustable and lockable
- Small space-saving base plate
- Fixing facility for one additional clamp on the base plate
- Material: chromed brass and stainless steel
- Dimensions of the base plate (w x d): 100 x 100 mm

1203068
275720

 1.4 kg



Accessories for the Soldering Unit No. 1203077 for AQUARIUS Soldering and Welding Units

Single Jets

Gauge* Description	Jet Ø	Opening Ø	Order No.
23	0.6 mm	4.0 mm	1203098 284006
22	0.7 mm	4.0 mm	1203099 284007
21	0.8 mm	4.0 mm	1203100 284008
20	0.9 mm	4.0 mm	1203101 284009
19	1.0 mm	4.0 mm	1203102 284010
18	1.2 mm	4.0 mm	1203103 284013

* Gauge refers to a unit of measurement which is used to measure the size of small tubes. The higher the gauge the smaller is the external diameter of the small tube.



Set of Jets

5 pieces assorted.
Jet dia.: 0.6; 0.7; 0.8; 0.9 and 1.0 mm

1203105
284050



 You will find our soldering accessories on page E 33 to E 35.

Reamers for Jets

With plastic handle, for cleaning of blocked jets.
Reamers-Ø: 0.05; 0.08; 0.10; 0.15; 0.20; 0.25; 0.30; 0.35; 0.40; 0.45; 0.50 and 0.55 mm

1203104  12 = 1 set
284020

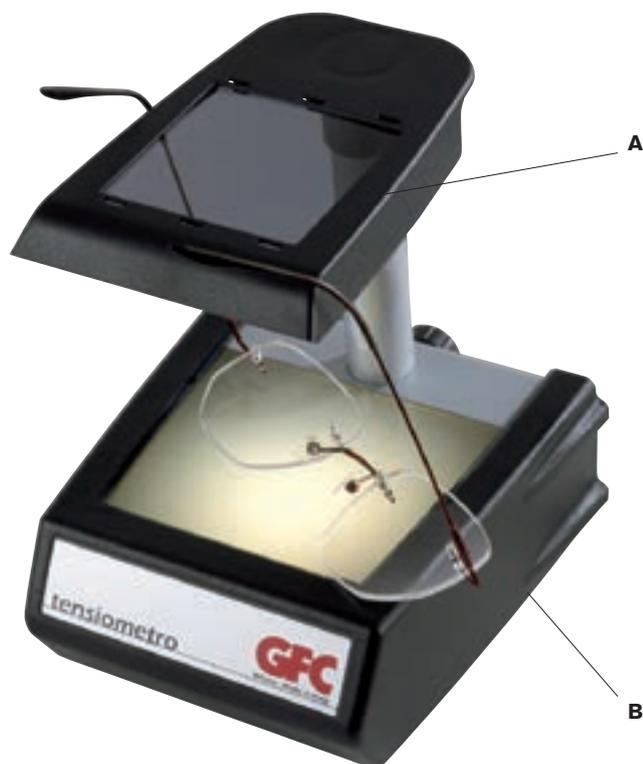




GFC Polariscope with Adjustable Inclination of the Unit

- Comfortable use because of adjustable inclination of the unit
- Suitable for spectacles with high lens curves
- Extra large distance between the test fields
- With LED-lighting inside the metal housing

1302841
239722N



Technical data	
Size of polarising field:	A) 58 x 58 mm B) 75 x 75 mm
Distance between polarised fields:	95 mm
Power:	4,5 W
Power usage per 10 min:	0,00075 kWh
Voltage:	12 V
Size (w x h x d):	135 x 165 x 150 mm
Weight:	700 g

 **36 month warranty!**

 For **spare parts** contact your local distributor.



Hand Polariscope

- With power saving LED and battery
- Made of plastic and metal

1202879
239320



Technical data	
Size of polarising field:	40 x 40 mm
Distance between polarised fields:	25 mm
Voltage supply:	9 V battery (type PP3)
Size (w x h x d):	100 x 55 x 48 mm
Weight:	180 g

 **36 month warranty!**

 For **spare parts** contact your local distributor.

GFC Progressive Marking Reader

- To easily identify progressive markings on the back and front surface of lenses
- Comfortable to use because of adjustable inclination of the unit (75 x 75 mm)
- Suitable for spectacles with high lens curve
- With LED-lighting inside the metal housing

1302842
245100N

Technical data	
Power:	4.5 W
Power usage per 10 min:	0.00075 kWh
Voltage:	12 V
Size (w x h x d):	135 x 270 x 150 mm
Weight:	1.2 kg

 **36 month warranty!**

 For **spare parts** contact your local distributor.



GFC Lens tester

- To demonstrate photochromatic lenses to customer
- Testing Area for UV filter
- Test for Bluelight
- Fit for polymerizing UV glue
- Soft and white work area designed to help opticians handling and checking lenses
- Option of automatic switch off after 10 seconds

1308253



Technical Data	
UV-Range:	395 nm – 405 nm
Power:	6 W
Power usage per 10 min:	0.001 kWh
Voltage:	12 V
Size: (w x d x h):	240 x 95 x 180 mm
Weight:	1.3 kg

 **36 month warranty!**

 For **spare parts** contact your local distributor.



The Hygiene Box – a UV-C Disinfection Device for Glasses

Disinfect your glasses and measurement frames quickly and effectively in just 30–60 seconds. The powerful UV-C lamp eliminates bacteria, germs, and microorganisms from both lenses and frames. With a capacity to disinfect 5–6 frames simultaneously, a lamp life of 9,000 hours, and an energy consumption of only 8 W, it is both efficient and long-lasting. An essential device for opticians, ensuring the highest level of hygiene!



Hygiene Box

- Absolutely reliable – disinfection of up to 99.9% of all microorganisms
- Extremely quick application – only 30–60 seconds for disinfection
- Environmentally friendly – sustainable and chemical free UV-C disinfection without waste
- Zero resistance
- Completely dry, no liquid or any other additives required
- Lifetime of UV-C lamp approx. 9,000 hrs (equals about 8.2 years with an average use of 3 hrs/day)
- Low maintenance and easy handling
- Very little after sales costs (only for current and a possible lamp exchange after years)
- Holds up to six frames in parallel

1202903
247100

Technical data

Duration of an application:	30–60 seconds
Wavelength:	253.7 nm
Power:	8 W
Power usage per 10 min:	0.0013 kWh
Lamp mean lifetime:	9,000 h
Voltage:	230 V 50 Hz
Size (w x h x d):	340 x 210 x 190 mm
Weight:	3.8 kg

 **36 month warranty!**

 For **spare parts** contact your local distributor.

Tray for UV sterilizer

- Tray for 1202903
- Enables the cleaning of smaller items, such as trial lenses or screwdrivers

1202906
247103



UV Lamp for UV Light Curing Adhesives

- To activate all UV curing glues
- You have the choice between 10, 30, 60 and 100 seconds
- Device can be started using the infrared sensor or a time selection
- UV protection for the user
- Large exposure field

1307060



Technical data

UV-Range:	365 – 405 nm
Power:	60 W
Power usage per 10 min:	0.01 kWh
Voltage:	230 V
Size (w x h x d):	235 x 215 x 90 mm
Weight:	450 g

 24 month warranty!

 For **spare parts** contact your local distributor.





UV Lamp for UV Light Curing Adhesives

- To activate all UV curing glues
- UV protection for the user
- With 15 energy-efficient LED lamps
- With time setting 99 sec and infrared sensor

1202894
242100

Technical data	
Power:	24 W
Power usage per 10 min:	0.0039 kWh
Voltage:	230 V
Size (w x h x d):	215 x 75 x 120 mm
Weight:	200 g

 24 month warranty!



Bulb for the UV Lamp for Adhesives

Spare bulb for No. 243000*, 242000*, 242010*, 1210377* and 1202896*
Capacity: 9 W

1202898
243101



You will find our UV-Fix-Gel on page E 13.

* discontinued



The B & S CLAVULUS, proven quality from Germany

The CLAVULUS has been produced exclusively for B & S by more than three generations of the same precision engineering company in the Black Forest. With this classic piece of equipment many tasks which involve spectacles can still be carried out simply and dependably. The craft precision used in its manufacture and our satisfied users have kept the CLAVULUS in the B & S product range for almost 75 years.

A comprehensive range of accessories extends the scope of the applications which it can be used for. Opticians for whom craftsmanship is the focus of attention will especially appreciate its qualities.



CLAVULUS

- For quick and easy repairs
- **Special accessories:** Peening punch, riveting punch, flaring punch 1.5 mm, rivet puller, punch for spread hinges, single punch, double punch and 7 anvils

The Original with

 30 years warranty!

 For **spare parts** contact your local distributor.

1301038
212550

 135 x 290 x 175 mm

 2.5 kg



Accessories for CLAVULUS

Bending Device for Bridge Narrowing

With wide and narrow cone

1202627
212526



Lens Drilling Device

- A lockable precision micrometer screw ensures the correct distance between edge of lens and bore hole centre
- Two pivots allow perfect centering for drilling

1202654
212900



- Incl. drilling support
No. 1202655



Riveting Punch

1202620
212502



Flaring Punch, Ø 1.5 mm

1202621
212504



Flaring Punch, Ø 2.1 mm

1202622
212505



Anvil, Ø 1.8 mm

1202632
212541



Stamp

For marking spectacles
(see also page B 38)

1202629 212531 1 sign



1202630 212532 2 signs

1202631 212533 3 signs



You will find further spare parts
on page A 35.

CLAVULUS

- For quick and easy repairs
- **Special accessories:** Peening punch, riveting punch, flaring punch 1.5 mm, flaring punch 2.1 mm, rivet extractor, double rivet extractor, punch for spread hinges, single punch, double punch, anvil extension and 9 anvils

1202634
212600

 165 x 210 x 265 mm

 3.3 kg

 **24** month warranty!

 For **spare parts** contact your local distributor.





Accessories for CLAVULUS

Suitable for No. 1202634 and 1301038

Peening Punch

1202635
212610



Riveting Punch

1202636
212611



Flaring Punch, Ø 1.5 mm

1202637
212612



Flaring Punch, Ø 2.1 mm

1202638
212613



Rivet Extractor

1202639
212614



Double Rivet Extractor

1202640
212615



Punch for Spread Hinges

1202641
212616



Single Punch

1202642
212617



Double Punch

1202643
212618



Anvil with Slot

1202644
212620



Riveting Anvil

1202645
212621



Anvil without Hole

1202646
212622



Single Hole Anvil

1202647
212623



Anvil Extension

1202648
212625



Plastic Anvil

1202649
212627



Slotted Anvil

1202650
212628



Anvil with Drill, Ø 1.8 mm

1202651
212629



Spare Pins for Single and Double Hole Anvil

1202652
212630

10 pieces







PLIERS

with pliers every grasp fits



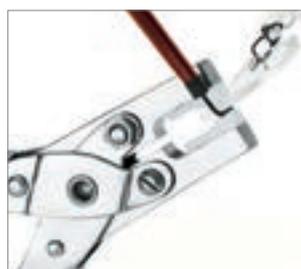
B

- B 2 Parallel Pliers
- B 4 Overview: eLite-, Standard Pliers
- B 6 Inclination Pliers
- B 8 Holding Pliers
- B 10 Nylon Eyewire Pliers
- B 12 Tips & Tricks: Bending Pliers
- B 16 Flat Snipe Nose Pliers
- B 19 Size Testing Pliers
- B 20 Nose Pad Adjusting Pliers
- B 22 Tips & Tricks: Rimless Frame Pliers
- B 25 Special Front Cutters & -Pliers
- B 30 Tips & Tricks: Bionic Thumb
- B 33 Peening Pliers
- B 34 Lens Aligners
- B 36 De-Blocking Pliers
- B 38 Marking Pliers
- B 39 Side & Double Joint Front Cutter
- B 43 Tips & Tricks: Spring Hinge Pliers
- B 45 Storage for Pliers
- B 46 Handle Cover for Pliers

Parallel Pliers – an innovation at B&S

- **Parallel jaws**
Secure grip due to a parallel jaws position in every situation.
- **Long pliers handles**
Optimum leverage with minimum use of force.
- **Plastic jaws “Made in Germany”**
Naturally the highest quality plastic jaws for extra durability.





Parallel Holding Pliers 8 mm

With two plastic jaws.
Self-opening by spring mechanism.

1202020
155100P

140 mm  135 g

Replacement plastic jaws:

1081417
155101

 1 pair

Parallel Pressure Mount Pliers

For pressing in the plastic sleeves on rimless frames of type
Silhouette "Minimal Art" or similar models.
Self-opening by spring mechanism.

1201907
151100P

140 mm  140 g

Replacement plastic jaws:

1201909
151101

 1 pair

B & S Pliers* – decades of experience in your hand

- **Unique design**

Developed by B & S, functional and protected worldwide.

- **10 years warranty**

(except cutting pliers and eLite spring hinge plier no. 1201925 and all plastic parts)
Solid and durable.

- **Reliable quality**

Forged joint, precise manufacturing, highly durable plastic jaws.



You will find our practical shrinking tubes for plier handles on page B 46.





Standard Pliers –

proven a million times over

- **Robust design**
Ideal for people who prefer working with heavier tools.
- **Long handles**
For optimum leverage with a minimum use of force.
- **Textured surface**
Provides a safe grip, prevents slipping.

eLite Pliers –

the ultra-light alternative

- **Handy size**
Also suitable for smaller hands.
- **Lighter**
Light pliers for less effort.
- **Very secure grip**
Asymmetrical ends and textured grip to prevent slipping.

eLite: smaller, lighter and with matt finish



Inclination Pliers – Conical 8 mm

To adjust metal hinges, one side with nylon jaw, conical jaw: \varnothing 6:1.5 mm.

Standard:

1092191

155800N

—| 150 mm ●▲ 140 g

eLite:

1202041

155850

—| 148 mm ●▲ 100 g

Replacement plastic jaw (also for 155800 P – discontinued):

1092205

155801



Inclination Pliers – Conical 6 mm

To adjust metal hinges, for **delicate frames**, one side **with extremely thin flat nylon jaw**, conical jaw: \varnothing 6:1.5 mm.

Standard:

1092192

155810N

—| 150 mm ●▲ 140 g

eLite:

1202044

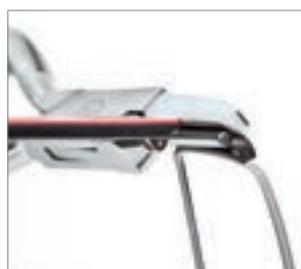
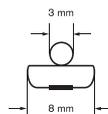
155855

—| 148 mm ●▲ 100 g

Replacement plastic jaw:

1092206

155802



Inclination Pliers – with Notch 8 mm

To adjust thin metal frames,
one side with nylon jaw,
conical jaw: $\varnothing 6:1,5$ mm.

Standard:
1202039
155820N

 150 mm  140 g

Inclination Pliers – Cylindrical 8 mm

Especially designed for nylon frames, extremely thin cylindrical
metal pin, other jaw is covered with nylon.

Standard:
1092193
159600N

 150 mm  140 g

Replacement plastic jaw (also for 155800 P – discontinued):

1092205
155801

Replacement plastic jaw:

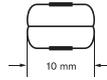
1092207
159601

Handle cover for pliers – your advantage at work from B & S

- Better grip
- Comfortable working



You will find our practical shrinking tubes for pliers handles on page B 46.



Holding Pliers 10 mm

With plastic jaws, jaw mouth remains in parallel position up to approx. 3 mm.

Standard:
1080766
155300N

150 mm 140 g

Replacement plastic jaws:

1081418
155301 1 pair



Holding Pliers 8 mm

With plastic jaws.

Standard:
1080767
155100N

150 mm  140 g

eLite:
1202024
155150

148 mm  100 g

Replacement plastic jaws:

1081417
155101  1 pair



Holding Pliers 6 mm

With plastic jaws, mouth remains in parallel position still at a gap of approx. 3 mm.

Standard:
1202055
156500N

150 mm  140 g

eLite:
1202058
156550

148 mm  100 g

Replacement plastic jaws:

1202057
156501  1 pair



Nylon Eyewire Shaper 24 mm

With plastic jaws, large version.

Standard:

1201894

150700N

150 mm  140 g

eLite:

1201898

150750

145 mm  110 g

Replacement plastic jaws:

1201896

150701

 1 pair



Nylon Eyewire Shaper 19 mm

With plastic jaws, small version.

Standard:

1201900

150900N

145 mm  140 g

Replacement plastic jaws:

1201902

150901

 1 pair



Nylon Eyewire Shaper 19/7

One plastic jaw (19 mm), one plastic jaw (7 mm).
Perfect to adjust bridges.

Standard:

1080762

150600N

145 mm

140 g

Nylon Eyewire Shaper 15/12

One plastic jaw (15 mm), one plastic jaw (12 mm).
Perfect to adjust bridges.

Standard:

1202104

158400N

145 mm

140 g

eLite:

1202107

158450

137 mm

100 g

Replacement plastic jaws:

1081415

150601

1 pair

Replacement plastic jaws:

1202106

158401

1 pair

TIPS & TRICKS

BENDING PLIERS WITH 3 ROLLERS

One Plier for Many Applications!



Bending Pliers with 3 Rollers
No. 1080761, 1202064

2 approx. 1–2 minutes

This is how it works

TO ADJUST THE:

1 TEMPLES



2 EYEWIRE



3 BRIDGE



4 TEMPLE ENDS



5 LENS SHAPE



 YouTube





Bending Pliers with 3 Rollers

For various purposes: to adjust spectacles, bridges, temples and temple tips.

Standard:

1080761

156600N

150 mm  140 g

eLite:

1202064

156650

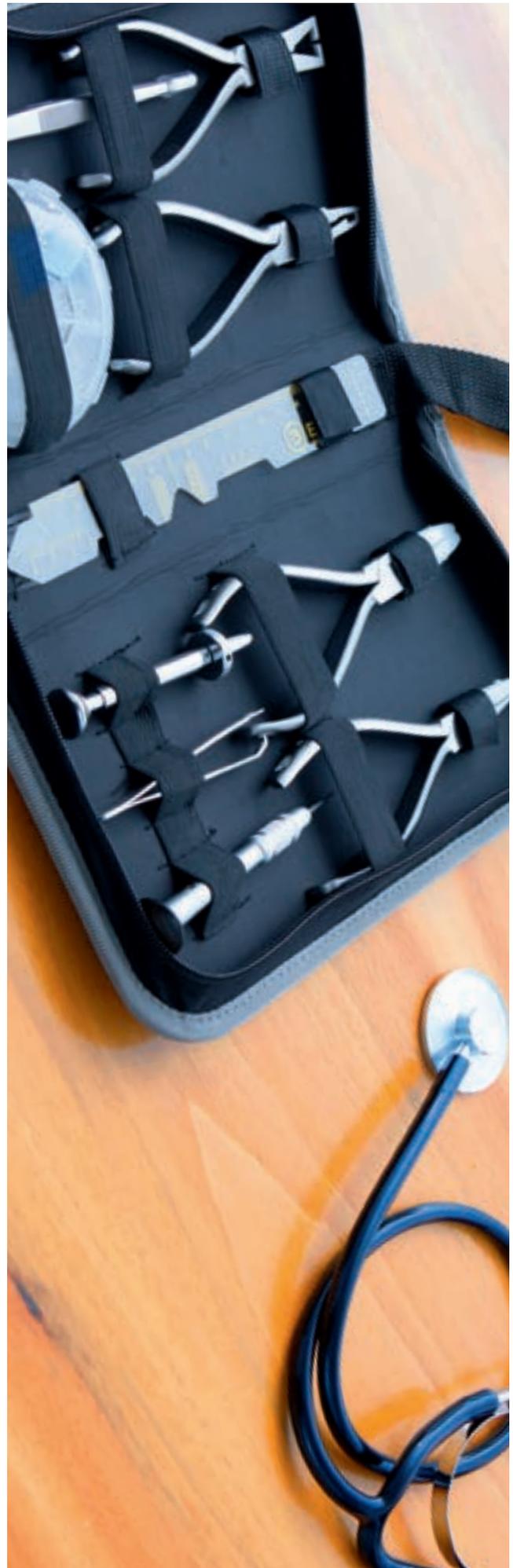
148 mm  95 g

Replacement plastic jaws:

1081413

156601

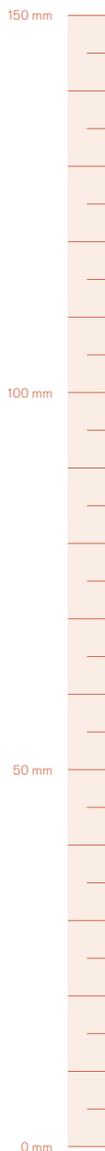
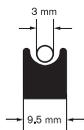
 1 set



eLite: smaller, lighter and with matt finish



You will find our shrinking tubes on page F 70.



Bending Pliers

Based on the trident pliers concept. This plier is particularly suitable for a careful adjustment of softer materials. The plastic jaw prevents scratches. The thorn can additionally be padded by a shrinking tube.

Trident Pliers

For precise and easy adjustment of clip-on bridges.

Standard:

1201994

154400N



eLite:

1201997

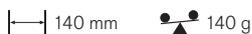
154450



Standard:

1080760

151300N



eLite:

1201923

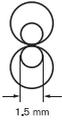
151350



Replacement plastic jaw:

1201996

154401



Round Snipe Nose Pliers

Round jaws.

Standard:
1201882
150100N

150 mm 140 g

Round Snipe Nose Pliers with Notches

Round jaws.
Notches in both tips.

Standard:
1201884
150110N

150 mm 140 g



Flat Snipe Nose Pliers – Extra Long

Flat inner jaws.
Extra long and thin version.

Standard:

1202051
156400N
| 155 mm ●▲ 140 g

eLite:

1202053
156450
| 148 mm ●▲ 100 g



Flat Snipe Nose Pliers

Semi-circular jaws.

Standard:

1201933
151500N
| 150 mm ●▲ 140 g

eLite:

1201935
151550
| 148 mm ●▲ 100 g



Flat Semi-circular Snipe Nose Pliers

One round jaw, one semi-circular jaw.

Standard:
1201941
 151700N

150 mm 140 g



Flat Nose Pliers 5 mm

5 mm width at tip.

Standard:
1092196
 152300N

150 mm 140 g



Flat Nose Pliers 3 mm

3 mm width at tip.

Standard:

1092197
152200N
| 150 mm ●▲ 140 g

eLite:

1201953
152250
| 148 mm ●▲ 95 g



Nose Pad Removing Pliers

For removal of "push-in-type nose pads".

Standard:

1201886
150200N
| 150 mm ●▲ 140 g

eLite:

1201888
150250
| 148 mm ●▲ 100 g



Size Testing Pliers

For testing lens size during the finishing process.

Standard:
1092194
 154200N

145 mm 140 g

eLite:
1201992
 154250

139 mm 95 g

Size Testing Pliers – Large

For testing lens size during finishing process, with extra large mouth.

Standard:
1201970
 153100N

155 mm 140 g

eLite:
1201972
 153150

145 mm 90 g

Handle cover for pliers –
your advantage at work from B & S

- Better grip
- Comfortable working



You will find our practical shrinking tubes for pliers handles on page B 46.



Nose Pad Adjusting Pliers – Universal

Perfect for adjusting click, screw or Primadonna pads.

Standard:

1202014

155010N

—| 150 mm

●▲ 155 g

eLite:

1202016

155055

—| 148 mm

●▲ 120 g



Nose Pad Adjusting Pliers – Push-in Nose Pads

Especially for fitting push-in nose pads. Very delicate version to avoid touching the lens during fitting.

Standard:
1202010
 154900N

150 mm 140 g

eLite:
1202012
 154950

147 mm 95 g



Nose Pad Adjusting Pliers – Screw-in Nose Pads

For screw-in nose pads. Improved, a more delicate version to avoid touching the lens during fitting.

Standard:
1202001
 154600N

150 mm 140 g

eLite:
1202003
 154650

148 mm 95 g



TIPS & TRICKS

PRESSING AND REMOVING PLIERS FOR RIMLESS FRAMES

Compressing and Removing Sleeves is Easy and Simple!

Pressing Pliers with Rocker

No. 1080764, 1202069

Removing Pliers

No. 1080763, 1202075

Lens Protection Shim Plate with Long Holes

No. 1096681

Special Front Cutter for Plastic Sleeves

No. 1202080



approx. 5 minutes

This is how it works



COMPRESSING:

1 INSERTING



2 CUTTING



3 PLACING



4 COMPRESSING



REMOVING:

1 CUTTING



2 REMOVING



SWITCH THE JAW:

1 DISMANTLING



2 TURNING



3 TIGHTEN



YouTube





Pressing Pliers with Rocker

For pressing in plastic sleeves on rimless frames such as Silhouette "Minimal Art" or similar models. With vertical and horizontal groove and rocker to balance the angle.

Standard:

1080764

156700N

150 mm  140 g

eLite:

1202069

156750

148 mm  95 g

Replacement plastic jaws:

1081419

156701

 1 pair



Removing Pliers with Rotatable Jaws

To remove plastic sleeves from the drill holes of rimless frames such as Silhouette "Minimal Art" or similar models. Rotatable jaw with vertical and horizontal pins.

Standard:

1080763

156800N

150 mm  140 g

eLite:

1202075

156850

148 mm  95 g

Replacement plastic jaws:

1081420

156801

 1 pair



Pressing Pliers

For pressing in plastic sleeves on rimless frames such as Silhouette "Minimal Art" or similar models. With vertical and horizontal groove.

Standard:

1082134
151100N
| 150 mm 145 g

eLite:

1201917
151150
| 145 mm 100 g

Replacement plastic jaws:

1201909
151101 1 pair

Pressing Pliers with O-rings

For pressing in plastic sleeves on rimless frames such as Silhouette "Minimal Art" or similar models. With horizontal groove. Comparable to model no. 1082134, but is offered with a deeper groove and exchangeable rubber O-rings. Comes complete with 5 O-rings.

Standard:

1201915
151110N
| 150 mm 145 g

Replacement plastic jaws:

1201911
151102 1 pair

Replacement O-rings:

1201913
151103 5 pieces

For years our bestseller and not without reason

With its rubberized, ergonomic handles and integrated opening spring for quick and automatic opening of the pliers, the special front cutter offers a high level of comfort for professional use in the workshop. The filigree cutting edges reduce the risk of scratching the glasses and set smooth cutting edges, even with soft plastic sleeves. The improved material properties of the cutting edge and the exclusive use of plastics guarantee a long service life.



Pliers



Special Front Cutter for Plastic Sleeves

For cutting plastic sleeves on frames such as "Minimal Art" from Silhouette. The narrow shape of the jaws and the filigree cutting edges reduce the danger of scratching the lenses.

Not suitable for cutting metal.

Standard:

1202077

156900N

140 mm

140 g

eLite:

1202080

156950

137 mm

95 g

With plastic grip and opening spring:

1202079

156911

115 mm

70 g



Special Side Cutter for Plastic

For cutting nylon liner near a drilled hole. The narrow shape of the jaws and the filigree cutting edges reduce the risk of scratching the lenses. **Not suitable for cutting metal.**

eLite:
1080772
 158350
 | 100 mm | 40 g

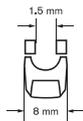


Special Pliers for Screwless Rimless Frames

Pliers with two notches for easy disassembly of screwless frames such as Silhouette "Minimal Art" or similar models.

Standard:
1201943
 151800N
 | 140 mm | 140 g

eLite:
1201945
 151850
 | 137 mm | 95 g



You will find our practical shrinking tubes for plier handles on page B 46.



Rimless Frame Adjusting Pliers

Specially for aligning rimless spectacles.
Secure grip of the screws and nuts.

Standard:
1092198
153900N

155 mm  140 g

Replacement plastic jaw:

1092209
153901



Screw Cutter

For cutting German Silver and brass screws on rimless frames.
Not suitable for steel screws.

Standard:
1202089
157800N

130 mm  125 g

eLite: smaller, lighter and with matt finish



Hinge Setting or Angling Pliers

With two concave indentations, parallel mouth gap at 1 mm. Width of mouth: 4.0 mm

Standard:

1202006

154800N

—| 148 mm ●▲ 140 g

eLite:

1202008

154850

—| 137 mm ●▲ 90 g



Hinge Adjusting Pliers

To easily bend and adjust roll joint.

Standard:

1202029

155500N

—| 145 mm ●▲ 140 g

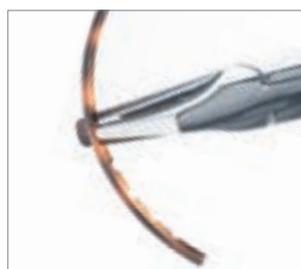


Hinge Adjusting Pliers

Width of mouth: 1.5 mm

Standard:
1201981
153800N

 148 mm  140 g



Windsor Rim Pliers

For notching or cutting of Windsor rims.

Standard:
1202098
158000N

 150 mm  150 g


TIPS & TRICKS
BIONIC THUMB

For the Necessary Strength in the Thumb

Bionic Thumb

No. 1092463, 1092464

Pro Screwdriver

used for example:

No. 1202159

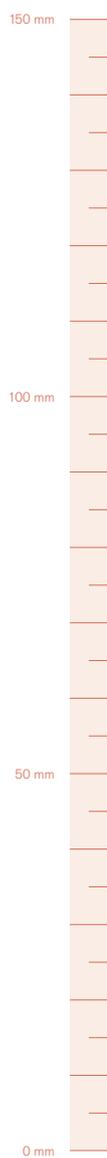


approx. 1 minute

This is how it works

**FOR ADJUSTING:****1** TEMPLES**2** TEMPLE TIPS**3** FRAME FRONT**TO PROTECT:****4** NOSE PAD ARMS**1** SCREWING

 YouTube

Original Bionic Thumb

- For bending different frame parts
- Super handy and easy to use
- Made of brushed stainless steel with durable suede bending surfaces

1092463
204500000

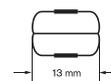
 1 piece

 135 x 15 x 22 mm  90 g

1092464
204501000

 2 pieces

 135 x 15 x 22 mm  90 g



Temple Adjusting Pliers

One flat plastic jaw with three different grooves and one round plastic jaw with three different curves. Ideal to adjust all types of temples. The even distortion and constant pressure applied to the workpiece ensure a method of working which takes special care of the material.

Standard:

1080765

154100N

—| 150 mm ●▲ 140 g

Replacement plastic jaws:

1081416

154101

📦 1 pair



Temple Adjusting Pliers

With two special plastic jaws, one convex and one concave, both jaws have crossgrooves vertical to the curves.

Standard:

1080769

153000N

—| 150 mm ●▲ 140 g

Replacement plastic jaws:

1081421

153001

📦 1 pair



Peening Pliers

With screw on peening tip and point shaped sunken anvil to avoid marking the frame.

Standard:

1201957
152710N
| 150 mm ●▲ 140 g

eLite:

1201961
152750
| 140 mm ●▲ 95 g

Replacement peening tips:

1201980
153702 ☐ 3 pieces

Peening Pliers – Angled

Front part is angled for better handling in areas which are difficult to access. Screw on peening tip and point shaped sunken anvil to avoid marking the frame. Mouth remains in parallel position at a gap of approx. 3 mm.

Standard:

1201959
152720N
| 145 mm ●▲ 150 g

eLite:

1201963
152755
| 140 mm ●▲ 110 g

Replacement peening tips:

1201980
153702 ☐ 3 pieces



Lens Aligner 32 mm

Extra long jaws with straight ends, non-slip punched rubber discs.
 Fixed rubber jaw: Ø 32 mm (punched Ø 15 mm), flexible rubber jaw:
 Ø 26 mm, working clearance of jaws: 40 mm.

Standard:

1092195

151601N

|—| 200 mm  240 g

Replacement rubber discs:

1092208

153201

 1 pair

Replacement plate complete with spring:

1201975

153402



Lens Aligner 20 mm

Same as No. 1092195, but with two Ø 20 mm discs.
 Spring mechanism on the handle. Especially for small frames.

Standard:

1080768

151620N

|—| 200 mm  240 g

Replacement rubber discs:

1081422

153520

 1 pair



Chipping Pliers

With exchangeable jaws, including replacement jaws.

Standard:

1202047

156100N

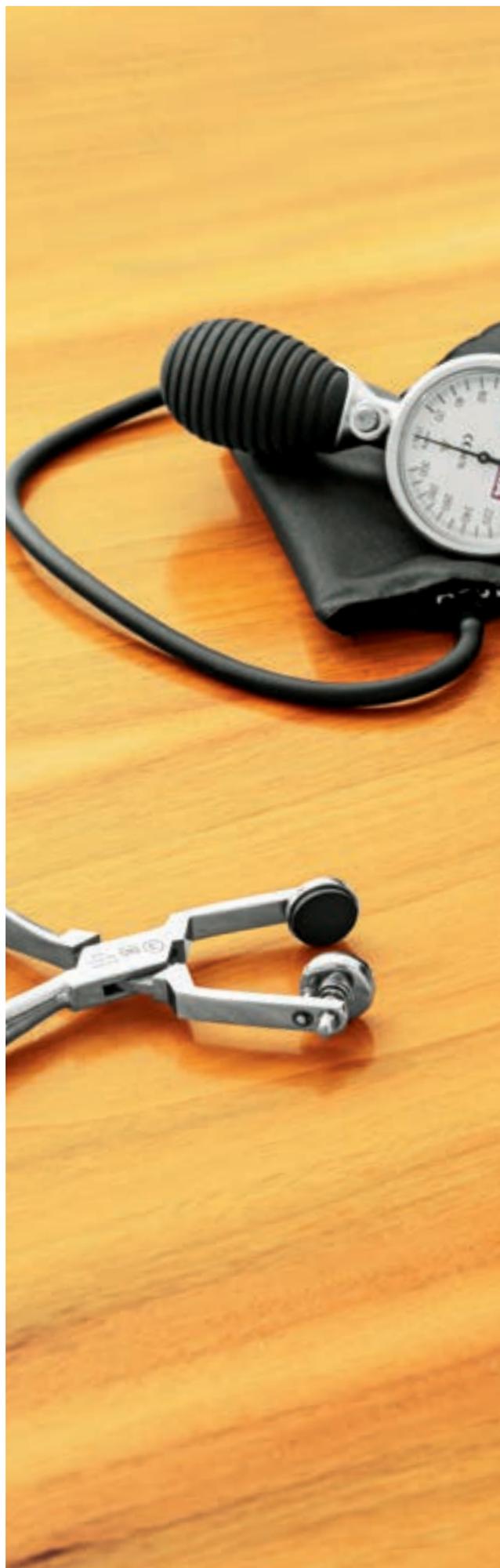
 145 mm  140 g

Replacement jaws:

1202049

156102

 1 pair



Handle cover for pliers –
your advantage at work from B & S

- Better grip
- Comfortable working



You will find our practical shrinking tubes for pliers handles on page B 46.



De-Blocking Pliers

For easy removal of lens blocks made of plastic or silicone, application vertical.

Standard:
1080771
152000N

148 mm 140 g



eLite



De-Blocking Pliers for NIDEK

Special pliers for de-blocking the NIDEK lens block suitable for NIDEK Mini Cup and the approved P-Cup.

Standard:

1092199

159200N

148 mm

140 g

De-Blocking Pliers for NIDEK

Special pliers for de-blocking the NIDEK lens block suitable for NIDEK Mini Cup and the approved P-Cup.

eLite:

1080770

159150

145 mm

125 g

Replacement jaws:

1092210

159101

1 pair

Mark all your spectacle frames with your company logo.

We produce the stamp inserts according to specimen type or drawing you send to us with the order. If you do not prescribe the letter height we produce them in 1.5 mm. If the character has a border, this is adjusted in size ratio and the font height of 1.5 mm won't be changed. The maximum letter height is 2.0 mm. More than nine letters are not recommended, otherwise a perfect impression cannot be guaranteed.



Calculation of the stamp price

Use the order numbers below to determine the correct code for the number of characters. For example, if you would like to order the punch **BRO** for the CLAVULUS, you will find under No. 1202631. This is only valid for letters that are DIN-Norm. **Special signs – engravings** such as spectacle frames, a monocle, a logo or other styles of writing and decoration, which are different to the above example and depending on the grade of difficulty **will be subject to a quotation.**

Calculation examples for inserts with 1.5 mm letter height:

Examples of signs:
 K5 calculated as: 2 signs
 B R O 3 signs
 Special signs such as



Marking Pliers

For marking spectacle frames. Inserts made to your request.

Standard:
1202109
 159000

165 mm 280 g



**Stamp for Marking Pliers
 No. 1202109**

- 1202112** 159031 1 sign
- 1202113** 159032 2 signs
- 1202114** 159033 3 signs
- 1202115** 159034 4 signs



Stamp for CLAVULUS

- 1202629** 212531 1 sign
- 1202630** 212532 2 signs
- 1202631** 212533 3 signs



Side Cutter

With double joint and inserted hard metal cutting blades, used for hard wire and steel screws **up to 1.4 mm** diameter.

Standard:
1202091
157900N

—| 180 mm ●▲ 240 g



Double Joint Front Cutter

With bevel, double joint and inserted hard metal cutting blades used for hard wire and steel screws **up to 1.4 mm** diameter.

Standard:
1202096
157979N

—| 170 mm ●▲ 240 g



Front Cutter

With inserted hard metal cutting blades for stainless steel screws up to a maximum of 1.4 mm.

Standard:
1202087
 157710N

—| 145 mm ●▲ 140 g

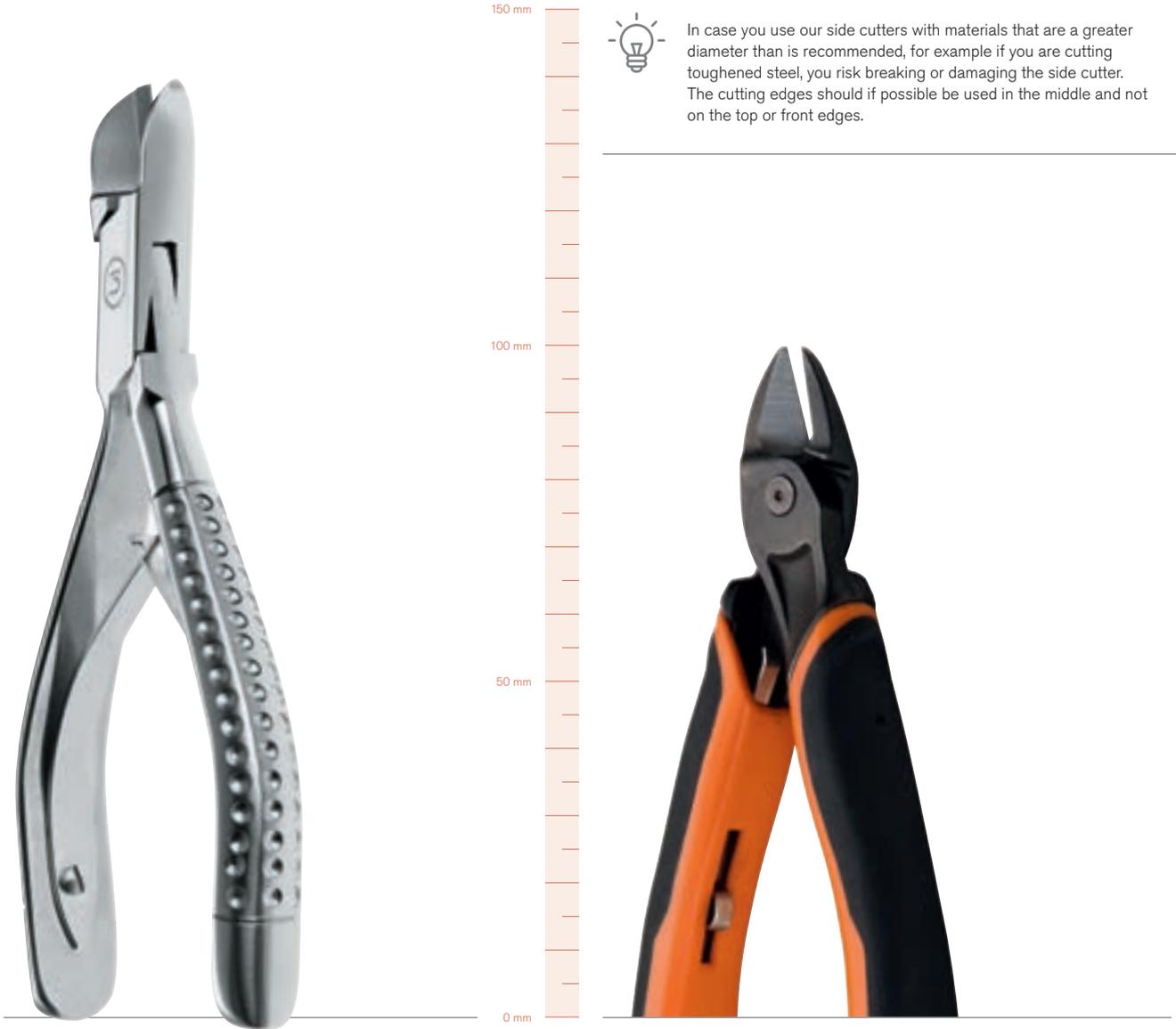


Side Cutter

With inserted hard metal cutting blades for steel wires up to a maximum of 2.0 mm.

With plastic grip:
1202100
 158100

—| 175 mm ●▲ 200 g



In case you use our side cutters with materials that are a greater diameter than is recommended, for example if you are cutting toughened steel, you risk breaking or damaging the side cutter. The cutting edges should if possible be used in the middle and not on the top or front edges.



Side Cutter

With inserted hard metal cutting blades for stainless steel screws **up to a maximum of 1.4 mm.**

Standard:
1202082
 157000N

|—| 140 mm ●▲ 140 g



Side Cutter

For steel screws **up to a maximum of 1.6 mm,** with plastic grip.

With plastic grip:
1092200
 157400

|—| 140 mm ●▲ 145 g




TIPS & TRICKS
EASY MOUNTING OF SPRING HINGES
Make Spring Hinge Mounting a Piece of Cake!
Set of Spring Hinge Pliers

No. 1201931

or separately:

Spring Hinge Pliers

No. 1201925

Hand Tool

No. 1201928

Screw Driving Tweezer

No. 1202145

Spare Pins

No. 1201929


This is how it works
Option 1: Mounting with pliers, tweezers and hand tool
1 ATTACHING

2 STRETCHING

3 HOLDING

4 CLAMPING

5 ATTACHING

6 TIGHTEN, RELEASE THE PLIER

Option 2: Mounting with pins, tweezers and hand tool | Repeat step 1-3
4 CLAMPING

5 ATTACHING

6 TIGHTEN, RELEASE THE PIN

 YouTube


Set of Spring Hinge Pliers

The pliers clamp just the eyelet of the hinge. No scratching of the temple! The eyelet of the hinge is clamped and locked with the pliers or the pins. This simplifies the screw fitting. The handy clamping tool No. 1201928, the pins No. 1201929 and the tweezer No. 1202145 are included.



"Easy Mounting of Spring Hinges"
(see page B 43)

1201931
151499



Spring Hinge Pliers with Pins and Tool

1201925
151455

Replacement tool:

1201928
151456

Spare pins:

1201929
151458

3 pieces

Screw Driving Tweezer

1202145
162700



Pliers Stand

- Blue anodised steel, for approx. 15 pliers
- Weight with packaging: 640 g
- Dimension with packaging:
255 x 190 x 26 mm (supplied flat)

Contents not included!

1307974



215 x 110 x 110 mm

420 g



Pliers



Pliers Stand

Colour: Transparent

Acrylic plastic, with 6 drill holes dia. 10 mm and 6 drill holes dia. 12 mm to store screwdrivers etc.

Contents not included!

1201825

146017

300 x 130 x 165 mm

700 g



Shrinking Tubes for Plier Handles

Cut to length of plier handles. The shrinkable handle cover has a structured surface for better grip. Both ends are open, fits tight to the handles after shrinking.

∅ 15 mm

1201841-44  4 pairs (each 8 cm)

1201841
146800 Black

1201843
146802 Red

1201842
146801 Blue

1201844
146803 Green

1201845
146811 Blue  1 m



Assortment with all colours

1201846  16 pairs (4 pairs each colour)
146850

Pliers Stand

Stainless steel, to store approx. 10 pliers. With rubber feet to avoid scratches on the table top

Contents not included!

1201831
146110

 180 x 100 x 110 mm

 450 g

Matching rubber rings
Colour: Black

1201832  4 pieces
146111



Pliers Stand

Transparent acrylic plastic, to store up to 5 pliers or 10 pliers. Pliers stand comes unassembled, can easily be assembled without tools.

Contents not included!

New size:

1201826 For approx. 5 pliers
146018

 120 x 125 x 120 mm

 200 g

1201827 For approx. 10 pliers
146019

 238 x 112 x 125 mm

 400 g



Magnetic Tool Bar for Tools

Contents not included!

1211520
141108

 515 x 45 x 18 mm

 460 g



B & S Tool Case including Tools

Handy kit ready to go!

It contains the most useful pliers and spare parts for adjusting and refurbishing spectacles.

Including the following tools:

1x 1202044, 1x 1202024, 1x 1202012,
1x 1202008, 1x 1202156, 1x 1202144,
1x 1202282, 1x 1202855, 1x 1202150,
1 accessory box with nose pads and screws

1098943
146400

 270 x 150 x 50 mm

 730 g







PRECISION TOOLS

for complicated procedures



- C 2 Screwdrivers & Nut Drivers
- C 9 Third Hand
- C 14 Rook Anvil
- C 15 Tweezers
- C 19 Cutting Tools
- C 21 Reamers
- C 22 Screw Taps
- C 24 Tips & Tricks: Lens Protection Henry
- C 26 Tips & Tricks: Nylon Liner Tool
- C 27 Rimless Frames Glazing Tools
- C 28 Tips & Tricks: Screw Cutter
- C 30 Small Tools
- C 32 Drills and Millers
- C 37 Tool Holders
- C 38 Files
- C 42 Ball Joint Vices
- C 43 Saws

Differences between the Screwdriver lines

	B & S Profi-Line	B & S Standard Screwdriver
Feature:	Highest quality made in Germany	Reasonable price with good performance and quality
Handle:	Ergonomic B & S design made in one piece	Fluted handle area with screw cap for fixing the blade
Button:	Oval button	Round button with flattened side
Button colour coding:	Yes, for the most common screwdrivers	Yes, for the most common screwdrivers
Blade type:	Clamping blade	Wing blade
Blade:	Precision blade in professional quality	Standard quality blade
Shaft size:	2.5 mm	3.0 mm
Spare blades:	Available individually in sets of 3	Available individually in sets of 3
Assortments:	4 variants with 2 design or 2 standard stands	2 standard stand variants



B & S Screwdrivers for Professionals “Made in Germany”

Durability, precision and perfect function.

No twisting or chipping of the screwdriver blades: hardened and refined knife blade steel for the perfect combination of hardness and flexibility.

Quickchange of the blade: perfectly accurate fit between blade and grip by simple clamping.

No pressure marks in your hand: ergonomic design, proven to work, offers a high level of functionality. Don't be satisfied with anything less.



B & S Designed Pro Screwdriver

- Blade changing support for screwdriver and nut driver
- With longer grip surface and bigger knob for comfortable work
- Coloured knob, the oval shape prevents the screwdriver moving on the workbench
- Shaft size 2.5 mm, blades to be clamped

1202158-63

115 mm



1202159

166401

Green



Blade width:
⊕ 1.5 mm

Spare blade:
1202270
171126

1202158

166400

Green



Blade width:
⊕ 2.0 mm

Spare blade:
1202269
171125

1202160

166410

Grey



Blade width:
⊖ 1.0 mm

Spare blade:
1202264
171110

1202161

166414

Blue



Blade width:
⊖ 1.4 mm

Spare blade:
1202265
171114

1202162

166418

Red



Blade width:
⊖ 1.8 mm

Spare blade:
1202266
171118

1202163

166423

Black



Blade width:
⊖ 2.3 mm

Spare blade:
1202268
171123



Spare blades: Shaft size 2.5 mm, blades to be clamped

3 pieces

Pro Screwdriver Set

- In a semi-circular wooden stand
- With 5 screwdrivers from the B & S Pro series
- 4 slotted blades 1.0; 1.4; 1.8; 2.3 mm, 1 Phillips head 2 mm

1202172

166450



Design
Award
Winner
2000

Insertion Cup Holder Set

- 5 insertion cups, marked with different sizes
- To insert into desks or the dispensing area

1201839

146550



Revolving Depot

- Revolving aluminium stand
- With 6 screwdrivers from the B&S Pro series
- 4 Slotted blades 1.0; 1.4; 1.8; 2.3 mm
- 2 Phillips head 1.5 and 2.0 mm

1202174

166461



Plastic Depot

- With 6 screwdrivers from the B&S Pro series
- 4 Slotted blades 1.0; 1.4; 1.8; 2.3 mm
- 2 Phillips head 1.5 and 2.0 mm

1202175

166462



Differences between the Nut Driver lines

	B & S Profi-Line	B & S Standard Nut Driver
Feature:	Highest quality made in Germany	Reasonable price with good performance and quality
Handle:	Ergonomic B & S design made in one piece	Fluted handle area with screw cap for fixing the blade
Button:	Oval button	Round button with flattened side
Button marking:	Yes, with symbol and size	Yes, with symbol and size
Blade type:	Clamping blade	Wing blade
Blade:	Precision blade in professional quality	Standard quality blade
Shaft size:	2.5 mm	3.0 mm
Spare blades:	Available individually in sets of 3	Available individually in sets of 3
Assortments:	2 standard stand variants	2 standard stand variants

B & S Nut Drivers for Professionals "Made in Germany"

Durability, precision and perfect function.

No twisting or chipping of the screwdriver blades: hardened and refined knife blade steel for the perfect combination of hardness and flexibility.

Quick change blade: perfectly accurate fit between blade and grip by simple clamping.

No pressure marks in your hand: ergonomic design, proven to work, offers a high level of functionality. Don't be satisfied with anything less.



1202164-71

115 mm Shaft size 2.5 mm, blades to be clamped



1202164 166440 2.2 mm	1202165 166442 2.6 mm	1202166 166443 2.6 mm	1202167 166444 2.2 mm	1202168 166445 2.0 mm	1202169 166446 2.1 mm	1202170 166448 2.0 mm	1202171 166449 2.3 mm
Star nuts, 6 points	Big hex nuts	Big star nuts, 6 points	Small hex nuts	Big star nuts, 4 points	Star nuts, 6 points, for the most common nuts	Hex socket star type, 6 points	Hexagonal, for dome nuts
Spare blade: 1202273 171140	Spare blade: 1202274 171142	Spare blade: 1202275 171143	Spare blade: 1202276 171144	Spare blade: 1202277 171145	Spare blade: 1202278 171146	Spare blade: 1202279 171148	Spare blade: 1202280 171149
				Spare blades: Shaft size 2.5 mm, blades to be clamped			
				3 pieces			



Revolving Depot

- Revolving aluminium stand
- With 8 nut drivers from the B & S Pro series
- 4 Hexagon 2.0; 2.2; 2.3; 2.6 mm
- 4 Star 2.0; 2.1; 2.2; 2.6 mm

1202177
166471



Plastic Depot

- With 8 nut drivers from the B & S Pro series
- 4 Hexagon 2.0; 2.2; 2.3; 2.6 mm
- 4 Star 2.0; 2.1; 2.2; 2.6 mm

1202178
166472



B & S Screwdriver from the Standard Series

- Blade changing support for screwdriver and nut driver
- Ribbed grip surface for perfect grip
- Coloured, **round knob flattened on one side**, to prevent the screwdriver moving on the workbench
- Wing blades to avoid twisting inside the handle
- Shaft size: 3.0 mm, wing blade



1202190-95 | 110 mm

1202191 168201 Green	1202190 168200 Green	1202192 168210 Grey	1202193 168214 Blue	1202194 168218 Red	1202195 168220 Black
					
					
Blade width: + 1.5 mm	Blade width: + 2.0 mm	Blade width: - 1.0 mm	Blade width: - 1.4 mm	Blade width: - 1.8 mm	Blade width: - 2.0 mm
Spare blade: 1202202 168246	Spare blade: 1202201 168245	Spare blade: 1202196 168230	Spare blade: 1202197 168234	Spare blade: 1202198 168238	Spare blade: 1202199 168240
					
Spare blades: Shaft size 3.0 mm, wing blade					
3 pieces					

Revolving Depot

- Revolving aluminium stand
- With 6 screwdrivers from the B & S Standard series
- 4 Slotted blades 1.0; 1.4; 1.8; 2.0 mm
- 2 Phillips head 1.5 and 2.0 mm

1202204
168261



Plastic Depot

- With 6 screwdrivers from the B & S Standard series
- 4 Slotted blades 1.0; 1.4; 1.8; 2.0 mm
- 2 Phillips head 1.5 and 2.0 mm

1202205
168262



B & S Nut Driver from the Standard Series

- Blade changing support for screwdriver and nut driver
- Ribbed grip surface for perfect grip
- Coloured, **round knob flattened on one side**, to prevent the screwdriver moving on the workbench
- Wing blades to avoid twisting inside the handle
- Shaft size: 3.0 mm, wing blade



1202206-13 | 110 mm

1202206 168270 2.2 mm	1202207 168272 2.6 mm	1202208 168273 2.6 mm	1202209 168274 2.2 mm	1202210 168275 2.0 mm	1202211 168276 2.1 mm	1202212 168278 2.0 mm	1202213 168279 2.3 mm
Star nuts, 6 points	Big hex nuts	Big star nuts, 6 points	Small hex nuts	Big star nuts, 4 points	Star nuts, 6 points, for the most common nuts	Hex socket star type, 6 points	Hexagonal, for dome nuts
Spare blade: 1202214 168280	Spare blade: 1202215 168282	Spare blade: 1202216 168283	Spare blade: 1202217 168284	Spare blade: 1202218 168285	Spare blade: 1202219 168286	Spare blade: 1202220 168288	Spare blade: 1202221 168289
				Spare blades: Shaft size 3.0 mm, wing blade 2 pieces			



Revolving Depot

- Revolving aluminium stand
- With 8 nut drivers from the B & S Standard series
- 4 Hexagon 2.0; 2.2; 2.3; 2.6 mm
- 4 Star 2.0; 2.1; 2.2; 2.6 mm

1202222
168291



Plastic Depot

- With 8 nut drivers from the B & S Standard series
- 4 Hexagon 2.0; 2.2; 2.3; 2.6 mm
- 4 Star 2.0; 2.1; 2.2; 2.6 mm

1202223
168292



Torx Screwdriver Set

- Grips of the standard series including blades
- Torx driver set in a handy box
- Blade with wings is fixed with an additional screwed cover
- Blue knobs with marking simplifies the identification
- Coloured, **round knob flattened on one side**, to prevent the screwdriver moving on the workbench
- With 4 screwdriver: Torx sizes 3, 4, 5 and 6
- Shaft size: 3.0 mm

1202238
168450



B&S Torx Driver from the Standard Series

- Blade with wings is fixed with an additional screwed cover
- Ribbed grip surface for perfect grip
- Coloured, **round knob flattened on one side**, to prevent the screwdriver moving on the workbench
- Torx driver for screws with star bolt
- Shaft size: 3.0 mm

1202233-37 | 110 mm



1202233
168432
Torx 2



Spare blade:
1.0 mm

1202243
168482

1202234
168433
Torx 3



Spare blade:
1.2 mm

1096714
168483

1202235
168434
Torx 4



Spare blade:
1.35 mm

1096715
168484



Spare blade:
1.5 mm

1096716
168485



Spare blade:
1.7 mm

1096717
168486



Spare blades:
Shaft size 3.0 mm, wing blade

 3 pieces

B&S Hex Driver Spare blades



Spare blade:
1.5 mm

1202240
168465



Spare blade:
2.0 mm

1202241
168470



Spare blade:
2.1 mm

1202242
168471



Spare blades:
Shaft size 3.0 mm, wing blade

 3 pieces

Aluminium Stand “Third Hand”

- Stable stand
- With 3 exchangeable blades in the socket for securing screws or nuts
- Shaft size: 2.5 mm, blades to be clamped

1 screwdriver blade: Blade width: 2,3 mm

1 hex nut driver: Inner diameter: 2,2 mm

1 star nut driver: Inner diameter: 2,1 mm

1202294

172300



Suitable replacment blades
No. 1202264-66 and 1202268-70
can be found on page C 3.

“Third Hand” Stand (with Nut Gripper)

- A new combination of third hand stand and nut gripper
- Stable stand
- Retains nuts so that they can be screwed to the thread
- For problem free gripping of nuts

1202296

172320



Metal Stand “Third Hand”

- Stable stand
- With 5 exchangeable blades and 7 functions for securing screws or nuts
- Shaft size: 3.15 mm, wing blade

1 screwdriver blade with double sided function:

Blade width: 1.5 and 1.8 mm

1 screwdriver Phillips head blade with double sided function:

Blade width: 1.5 and 1.8 mm

3 nut driver blades (hexagon):

Inner diameter: 2,0, 2,3 and 2,5 mm

1202301

172800



Spare Blade Set

To metal stand “Third Hand” No. 1202301.

Containing 5 blades

1202302

172801



B & S Designed Screwdriver with Blade Storage

With large **oval** revolving plastic knob and 5 blades (accomodated in handle).

The oval head prevents the screwdriver moving on the workstation.

Shaft size: 2.5 mm

Blade width: \ominus 1.0; 1.4; 1.8; 2.3 mm, \oplus 2.0 mm

1202179 | 119 mm | 35 g
166600



Suitable replacement blades
No. 1202264-66 and 1202268-70
can be found on page C 3.

Screwdriver with Blade Storage

With plastic grip, large round revolving knob and 5 blades (accomodated in handle).

Shaft size: 2.5 mm

Blade width: \ominus 1.0; 1.4; 1.8; 2.3 mm, \oplus 2.0 mm

1202188 | 119 mm | 31 g
167800



Suitable replacement blades
No. 1202264-66 and 1202268-70
can be found on page C 3.

Screwdriver with Blade Storage

Same design as No. 1202188, but with one blade only.

Shaft size: 2.5 mm

Blade width: \ominus 1.8 mm

1202248 | 119 mm | 21 g
169000



Suitable replacement blade
No. 1202266
can be found on page C 3.

Universal Screwdriver with Blade Storage

Nickel plated brass, with revolving plastic knob and 4 blades.

Shaft size: 2.5 mm

Blade width: \ominus 1.4; 1.8; 2.3 mm, \oplus 2.0 mm

1202282 | 115 mm | 30 g
171700



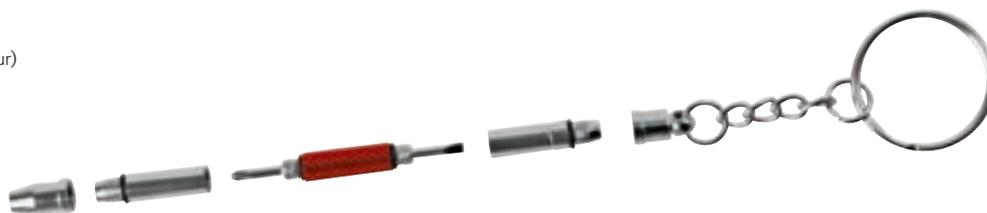
Suitable replacement blades
No. 1202264-66 and 1202268-70
can be found on page C 3.

Small Metal Screwdriver

- With 5 different functions: Slotted, Phillips and 3 nut driver blades
- Blade width:  1,8 mm,  1,8 mm
- Nut driver: 2.02; 2.32 and 2.57 mm
- Colours: Blue, Red, Green, Purple, Orange

1202356
179816

 10 pieces (2 per colour)



Counter Display

- With 10 small screwdriver No. 1202356, with 5 functions
- Dimensions: DIN A4

1202358
179856



Spare Blades (without illustration)

Blade width	Type	Kind of blade	Available for	Order No.	
1.0 mm		Blade	166210*, 168010*, 170010*	1202260 169310	3 pieces
1.5 mm		Blade	166215*, 168015*, 170015*	1202261 169315	3 pieces
1.8 mm		Blade	166218*, 168018*, 170018*	1202262 169318	3 pieces
2.3 mm		Blade	166223*, 168023*, 170023*, 1202294	1202263 169323	3 pieces
1.0 mm		Blade	1669 .. *	1202183 166910	2 pieces
1.4 mm		Blade	1669 .. *	1202184 166914	2 pieces
1.8 mm		Blade	1669 .. *	1202185 166918	2 pieces
2.0 mm		Crossblade	1669 .. *	1202187 166925	2 pieces
2.3 mm		Blade	168223*, 168323*	1202200 168243	3 pieces

* discontinued



A perfect Set.

From the Black Forest in Germany onto your work-bench. Assorted by sizes in a beech wooden case. Seven lean Nut Drivers with the most used nut driver blades made of high quality steel. The stop inside the blade which is typically for B & S Nut Drivers prevents the nut from annoyingly "disappearing" into the shaft.

Nut Driver Set

Content 7 Nut Drivers:

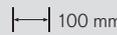
No. 1202334; 1202336; 1202338; 1202340; 1202342; 1202346 and 1202350

1202333
174115

 13,5 x 2,4 x 12 cm



Single available:

 100 mm  15 g

1202334
174200
◻ 2.6 mm

1202336
174300
◻ 2.6 mm

1202338
174400
◻ 2.2 mm

1202340
174500
◻ 2.0 mm

1202342
174600
◻ 2.1 mm

1202344
174700
● 2.8 mm

1202346
174800
◻ 2.0 mm

1202348
174900
◻ 2.3 mm

1202350
176700
◻ 2.2 mm



Grip No. 2

Grip No. 3

Grip No. 4

Grip No. 5

Grip No. 6

Grip No. 7

Grip No. 8

Grip No. 9

Grip No. 0

Big hex nuts

Big star nuts,
6 points

Small
hex nuts

Big star nuts,
4 points

Star nuts,
6 points,
for the most
common nuts

Slotted nuts

Hex socket
star type,
6 points

Hexagonal,
for dome nuts
1201312-14

Star nuts,
6 points, for
big star nuts

Nut Driver Set

Content 5 Nut Drivers:

No. 1202336; 1202338; 1202340; 1202342 and 1202346

1202332
174105

 13,5 x 2,7 x 9,6 cm



The number on the grip identifies the order code.

Broken screw? No problem!

Here precision and comfort goes hand in hand. Broken screws can be pushed out cleanly and precisely with this handy tool. Simply fit on the hand CLAVULUS, tighten up the wing screw and with a few turns there will be space for a new screw.

Handheld CLAVULUS

- For the removal of broken screws
- Compact and ergonomic tool
- Power precisely through the wing screw
- For material saving use
- 3 exchangeable sleeves for different screw diameters included
- Hardwearing material (stainless steel)

1202298
172700



Screw Remover with Blade Storage

The sharp edged blades grip the remains of broken off screws and enable you to unscrew the screw without the use of drilling machines.

Shaft size: 2.5 mm

Each unit includes 2 blades with diameter: 1.3 and 1.5 mm

1202257 | 119 mm | 25 g
169100



Spare Blades

Blade width 1.3 mm

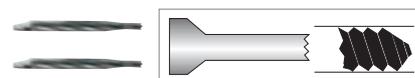
1202258

169113

Blade width 1.5 mm

1202259

169115



Fully developed. Workplace with high quality all-rounders.

This anvil tower is produced exclusively for B & S. With its unusual shape this heavy weight offers a range of advantages: Secure standing with its massive aluminium foot. Flexibility due to the handy size. Small repairs can be fixed on the round platform. Protecting the table surface from damage makes the rook anvil attractive to use for service repairs during a consultation. Depositing area for frame parts on the top. Just try it. Everyone who tries it will never want to be without it again.

Rook Anvil

- To fix screws on joints, hinges and nose pad arms
- Robust and stable, made of solid aluminium
- Depositing area for frame parts
- Cushioned base for gently carrying out work
- Can be fixed on the table by a standard M6 screw
- For workshop and sales area

1082029
172900



Base x height: 80 x 80 mm



300 g



Spare Rubber Rings (without illustration)

Small diameter

1082030
172901



2 pieces

Small and large diameter

1202308
172902



2 pieces

Optician's Anvil

- Polished chrome-plated, with round opening, one round and one square-shaped drift

1202309
173010



120 x 45 x 25 mm



425 g



Screw Driving Tweezer

- Easy fixation of the screw by means of a lock at the middle of the tweezer
- Screw is fixed and ready to screw in, essential for spring hinges
- Moving knob at the end of the handle enables easy screwing

1202145
162700



130 mm



30 g



"Easy Mounting of Spring Hinges"
(see page B 43)



Nut Gripper

- Retains nuts so that they can be screwed to the thread
- For problem free gripping of **nuts**

1202150
163900 | 100 mm | 35 g



Gripper

- Recessed both sides to pick up, grip and twist **screws**

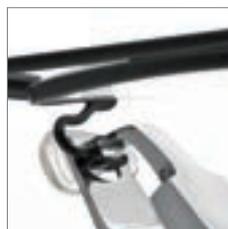
1202148
163600 | 75 mm | 180 g



Tweezer – Push-in Nose Pads

- For removal of "push-in nose pads"
- Also available as pliers

1202144
162600 | 100 mm | 15 g



You will find our pliers No. 1201886 and 1201888 on page B 18.

Tweezers

Tweezer – Thin Pointed

- With thin pointed tips, stainless steel

1202146 | 110 mm | 17 g
163100



Tweezer – Pointed

- Pointed, nickel plated

1202137 | 110 mm | 18 g
162100



Titanium Soldering Tweezer

- Advantages: solder resistant, low heat conduction, 100 % anti-magnetic, highly acid resistant, extremely light, with centering pin

1202141 | 160 mm | 15 g
162310



Solder Tweezer

- With insulated grips, polished steel

1202142 | 160 mm | 35 g
162400



Screw tweezers

The Classic

- With grooves on both tips to hold pad screws and other small items

1202156 | 130 mm | 30 g
165100



Pointed Tip

- **Stainless steel**, straight version
- Specially for pad screws
- To start rotating the screw into the thread

1202147 | 105 mm | 10 g
163400



Cross Tweezer

- To start rotating the screw into the thread

1202143 | 155 mm | 32 g
162500



Angled – with Locking Mechanism

- A slotted notch in the tip to grip nose pads and hinge screws easily
- With a clamp to lock the screw
- The angled tip is useful for difficult to reach hinges

1202157 | 110 mm | 11 g
165300



Riveting Hammer

- Gunmetal finish, square-shaped head, wooden handle, rounded corners

1202353
178110

| 260 mm  80 g



Riveting Hammer

- Metal, bi-colour, round heads, one side metal, one side plastic

1202352
177200

| 240 mm  100 g



Trident Scraper

- Conical, with handle

1202598
207100

| 165 mm  25 g



Swarf Removal Tool

- Removing the edging residue from polycarbonate and Trivex lenses
- Deburring the groove of lenses for half rimless

1202599
207200

| 95 mm  10 g



Groove Scraper

- Suitable for rough and smooth surfaces
- Adjustable for each size

1202600
207310

| 145 mm  40 g



Glass Cutter "Silberschnitt"®

- Superior quality "Made in Germany"

1203051
263400

—| 130 mm  25 g



Cutting Spoon

- For cutting glass
- Mechanised system, handy design, metal type

1203052
263700

—| 150 mm  30 g



Universal Cutting Wheel

- Superior quality "Made in Germany"
- For glass cutter No. 1203051 and cutting spoon No. 1203052

1202719
223900

∅ 4.5 mm  12 pieces



Illustration enlarged

Foil Cutter

Versatile Foil Cutter – Perfect for Precise, Effortless Applications

This compact, ergonomic film cutter is perfect for both right- and left-handed users. The short, sharp blade allows for precise cutting along glass contours, making it ideal for detailed tasks. Thanks to the innovative, spring-loaded design, the cutter opens automatically for effortless use. Perfect for those who value accuracy and comfort!

1310081

—| 100 mm  20 g



Small Scissors

- With straight blades and screwed joint

1202136
161400 | 60 mm | 18 g



Scissors for plastic

- Multiple purpose scissors with plastic covered handles for easy cutting of patterns.
- One sided toothed cut (serrated edge)

1210105
160700 | 155 mm | 74 g



Scissor

- Refined stainless steel, adjustable with screw
- Suitable for right and left-use

1202135
161310 | 200 mm | 90 g



Scalpel with Metal Handle

- Practical cutting tool for frame inserts, nylon threads, foils etc.
- No squeezed edges due to extremely sharp blades
- Metal handle **with 3 bits**
- Blade length: 35 mm

1202126
160210 | 150 mm | 15 g



Spare Blades for No. 1202126

1202128
160215 | 35 mm | 3 pieces



Scalpel Set

- For cutting nylon liner
- Content: 1 handle and 8 blades in different shapes and sizes

1202132
160401 | 160 x 40 x 40 mm | 100 g



Reamers

- 5-sided, high-polished, **without handle**, with shaft

1202578-86  3 pieces

Order No.	∅	Order No.	∅
1202578 205131	1.0 mm	1202583 205136	1.7 mm
1202579 205132	1.1 mm	1202584 205137	1.9 mm
1202580 205133	1.2 mm	1202585 205138	2.0 mm
1202581 205134	1.3 mm	1202586 205139	2.2 mm
1202582 205135	1.6 mm		



Reamer Assortment

- 5-sided shaped reamers, fine grade, **with knurled handle**
- Reamers-∅: 1.0; 1.1; 1.2; 1.4; 1.6 and 1.8 mm

1202587  25 g  6 pieces



Reamer Assortment for Single Jets

- With plastic handle, for cleaning of jets
- Reamers-∅: 0.05; 0.08; 0.10; 0.15; 0.20; 0.25; 0.30; 0.35; 0.40; 0.45; 0.50 and 0.55 mm

1203104  11 g  12 pieces



Reamer Assortment

- 5-sided reamers, fine grade **without handle**, **with shaft and with holder**
- Contents:** No. 1202578; 1202579; 1202580; 1202581; 1202582; 1202583; 1202584; 1202585 and 1202586

1202576  30 g  12 pieces



Screw Tap

- With 3 milled grooves, expertly ground and hardened for top quality finish
- For correct order no's see chart below

1202432-41  3 pieces



Illustration enlarged

Screw Tap Handle

- Plastic, marked with individual tap sizes
- For correct order no's see chart below

 85 mm  10 g



Thread size	Pitch	Shaft size	Order No. for screw taps	Order No. for screw tap handles
M 0,80 mm	0,20 mm	1,45 mm	1202432 196208	1202314 173608
M 1,00 mm	0,25 mm	1,45 mm	1202433 196210	1202316 173610
M 1,10 mm	0,25 mm	1,45 mm	1202434 196211	1202318 173611
M 1,20 mm	0,25 mm	1,45 mm	1202435 196212	1202320 173612
M 1,30 mm	0,30 mm	1,45 mm	1202436 196213	1202322 173613
M 1,40 mm	0,30 mm	1,45 mm	1202437 196214	1202324 173614
M 1,50 mm	0,30 mm	1,75 mm	1202438 196215	1202326 173615
M 1,60 mm	0,35 mm	1,95 mm	1202439 196216	1202328 173616
M 1,70 mm	0,35 mm	1,95 mm	1202440 196217	1202330 173617
M 1,80 mm	0,35 mm	2,00 mm	1202441 196218	—

Screw Tap Assortment

- In wooden box
- **Contents:** 9 screw taps, ready to use, in sizes: M 0.80; M 1.00; M 1.10; M 1.20; M 1.30; M 1.40; M 1.50; M 1.60; M 1.70; 1 mandrel No. 1202283 and 1 empty space

1202442
198000



Screw Tap Assortment

- In plastic box
- **Contents:** 3 screw taps of each No. 1202432; 1202433; 1202435; 1202436; 1202437 and 1 tool holder No. 1202592

1202444
198100



Duplex Hinge and Temple Miller

- To work with joints and temple hinge rolls
- Miller size: 3.5 mm



1202711
222004

110 mm  13 g



Screw End Miller

- For milling of screw ends (except steel screws)
- Shaft size: 2.5 mm



1202765
227125

110 mm  11 g



The tools No. 1202765 (page C 23) and 1202710 (page C 36) are for processing common German Silver screws and brass screws. Processing steel screws will immediately damage the tool. Improper usage voids all guarantees



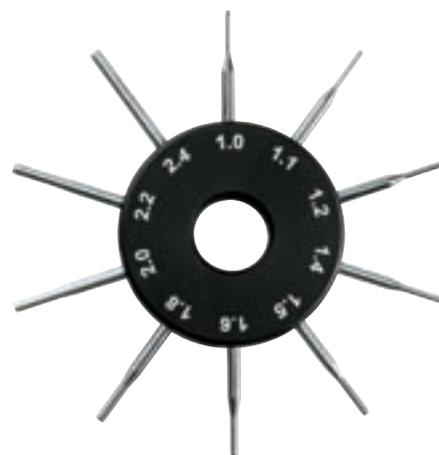
Measurement Tool for Holes 1.0 to 2.4

- Easy and quick measuring of hole sizes in lenses
- With rounded tips for an easy measuring of hole sizes in lenses
- High quality design
- 10 spikes in sizes: 1.0; 1.1; 1.2; 1.4; 1.5; 1.6; 1.8; 2.0; 2.2 and 2.4 mm

1202287
171812

 Outer: 80 mm

 26 g



Mandrel

- Special support for screw setting on hinges
- Conical
- With plastic handle

1202283
171800

105 mm  10 g



Spare Mandrel (without illustration)

- For No. 1202283

1202285
171801

TIPS & TRICKS

HENRY – A LITTLE HELPER IN MANY SITUATIONS

Triple Protection against Scratches

Lens Protection Henry

made of Silicone

No. 1092360

Screwdrivers for Professionals

used for example:

No. 1202162

Precision File

No. 1307479

Side Cutter

No. 1202091



approx. 3 minutes each

This is how it works



Option 1: While mounting nose pads

1 ATTACH



2 MOUNTING OF NOSE PADS



Option 2: While mounting rim joints

1 ATTACH



2 UNSCREW/TIGHTEN



Option 3: Cutting screws on rimless frames

1 ATTACH



2 CUT OFF



3 LEVEL WITH A FILE



 YouTube



Lens Protection Henry

- Protects the lenses from scratches: while mounting nose pads, during the assembly of rimless frames and while mounting rim joints
- Made of silicone

1092360
227200

60 x 80 mm

1 g

2 pieces



Lens Protection Shim Plate

- Distance and protection plate for easily cutting plastic sleeves (1.4 and 1.8 mm) close to the lens
- Nylon liner (max. 1.0 mm diameter) can be fixed and shortened easily close to the lens
- Suitable to remove remnants from PC lenses after the edging process

1096680
226900

55 x 20 mm

1 g



Lens Protection Shim Plate with Long Holes

- Distance and protection plate for easily removing the sleeves
- Facilitates the dismantling of the frame
- Suitable to remove remnants from PC lenses after the edging process

1096681
226910

50 x 11 mm

1 g



Minifit Marking Tool

- Simple and clean marking of drill holes for Minifit bar support with 14 mm length
- Distance between marking points: 7 mm
- Material: Stainless steel

1308496 2 g




TIPS & TRICKS
NYLON LINER TOOL

Finally the Threading is Fun

Nylon Liner Tool

No. 1095079

Tweezer – Thin Pointed

No. 1202146

Nylon Thread Hook

No. 1202288

Small Scissors

No. 1202136



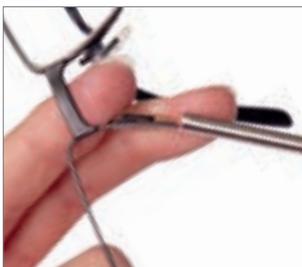
approx. 5 minutes each

This is how it works

1 TAKE OFF

2 REMOVE

3 THREAD

4 SET IN

5 CUT TO SIZE

6 THREAD

7 INSERT


 YouTube


Nylon Liner Tool

For easy threading of the 8-profile nylon liner into the upper or lower frame rim.

- Total length: 110 mm
- Diameter cylinder: 15 mm
- Nylon liner: 0.51 mm and 0.55 mm

1095079
136500



You will find our nylon threads on page F 79.

Nylon Thread Hook

- For easy assembly of lenses into supra frames

1202288 | 105 mm | 13 g
171900



Sleeve Removing Tool for Rimless Frames

- Small tool which helps to get the frame and leftovers from the sleeves out of the lens
- Fits for all frames with 1.4 pins and standard drill hole distances

1202753 Blue | Ø 1.4 mm
226710

75 x 10 x 25 mm | 7 g




TIPS & TRICKS
FITTING TOOL FOR RIMLESS FRAMES

Shorten Screws without a Burr!

Works as a Nut Driver and
Screw Cutter in One Tool

For screws with 1.2 mm thread size

No. 1097803

For screws with 1.4 mm thread size

No. 1097804



approx. 30 seconds

This is how it works

1 MOUNTING

2 TURN AROUND

3 ATTACHING

4 CUTTING

5 DONE


 YouTube



Works as a Nut Driver and Screw Cutter in One Tool

1097803-04 | 70 mm  6 g

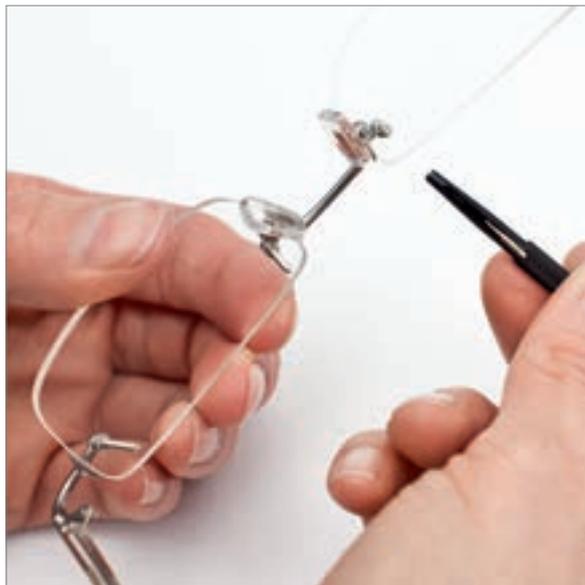


1097803 
226800

- To shorten screws with **1.2 mm** thread
- For all popular hex nuts with an outer diameter of max. **2.7 mm**

1097804 
226801

- To shorten screws with **1.4 mm** thread
- For all popular star nuts with an outer diameter of max. **2.5 mm**



Drill Hole Chamfer Tool

- For easy chamfering of drill holes
- The special shape chamfers the edges quickly and effectively using just slight pressure
- Countersinks are no problem
- Clockwise rotation for clean, optimum results
- Only recommended for plastic, Polycarbonate or Trivex lenses



1202751 | 71 mm  7 g

Tool Kit for Rimless Frames

- Practical tool kit for rimless frames
- Consisting of No. 1097803 and 1097804 fitting tool for 1.2 mm and 1.4 mm thread and No. 1202750 drilled hole reamer

1202758
226850



Drilled Hole Reamer

- Suitable for tool holders No. 1202596, 1202595 and 1202593
- Shaft size: **1.6 mm**



1202750
226610

Small Tools Assortment

- To use for frames
- **Contents:** 1 diamond miller, 1 diamond grinder, 1 groove miller, 1 cutting wheel (10 pieces) including mandrel, 2 grinder, 1 steel miller, 1 brass wire brush, 3 buffing wheels, 4 silicone polishers, 1 trimming wheel
- In practical box
- Shaft size: 2.34 mm except
No. 1202731 = shaft size: 3.0 mm

1202738  68 x 58 x 66 mm  85 g
224057



1202745
226400



1202722
224015



1202731
224037



1202733
224042



1211807
224040



1202736
224049



1202725
224026



1202720
224007



1202721
224011



1202727
224031



1202728
224032



1202729
224033



1202730
224034



1202724
224019



1202726
224029



1202723
224018



You will find our hand drilling machines on page A 23.



Shape	Application range	Size mm	Working speed rpm	Order No.
Grinder, wheel	To grind unhardened and alloyed steel	Ø 6 x 2.8	20,000–30,000	1202720 224007
Grinder, cylindric	To grind unhardened and alloyed steel	2.5 x 6.5	20,000–30,000	1202721 224011
Brass wire brush	To rework soldering joints	21 x 1.8	10,000	1202722 224015
Silicone impregnated muslin wheel	To polish plastic materials	Ø 22	5,000	1202723 224018
Wool buffing wheel	To polish plastic and ceramic	20 x 3	8,000	1202724 224019
Flannel buffing wheel	To polish plastic and ceramic	Ø 20	5,000	1202726 224029
Silicone burnisher, middle, pin	To work on metal, plastic and ceramic	4.5 x 12	7,000–10,000	1202727 224031
Silicone burnisher, middle, wheel	To work on metal, plastic and ceramic	11 x 2	7,000–10,000	1202728 224032
Silicone burnisher, fine, pin	For high gloss on metal alloy	5 x 10	7,000–10,000	1202729 224033
Silicone burnisher, fine, wheel	For high gloss on metal alloy	14 x 2.5	7,000–10,000	1202730 224034
Groove miller, facet	To rework frame grooves	17.2 x 2.8	2,000–4,000	1202731 224037
Steel miller, bud shape	To work on metal, plastic and wood	Ø 6	8,000–12,000	1211807 224040
Cutting wheel (10 pieces) inclusive mandrel	To cut metal and plastic	22 x 0.8	30,000	1202733 224042
Diamond grinder, conical	For fine grinding and planing	Ø 1.6	30,000	1202736 224049
Diamond miller	To groove rims of lenses	5 x 0.6	15,000–18,000	1202745 226400
Trimming wheel, fine	For finishing metal, plastic and wood	Ø 25	10,000	1202725 224026

Spiral Drill, HSS Special

- For drilling out steel screws, for drilling in Titanium as well as lens material such as CR 39 and transition lenses
- Designed for working on hard materials
- Extremely durable
- Working speed: **1,400 to 10,000 rpm**
- Field of application: **Plastic materials, polycarbonate, steel, Titanium and precious metal**
- Shaft size: **2.34 mm**
- These drills are also available as assortment **No. 1202566** (please see below)

1202554–65  2 pieces

Order No.	Size
1202554 203805	0.5 mm
1202555 203806	0.6 mm
1202556 203807	0.7 mm
1202557 203808	0.8 mm
1202558 203809	0.9 mm
1202559 203810	1.0 mm
1202560 203811	1.1 mm
1202561 203812	1.2 mm
1202562 203813	1.3 mm
1202563 203814	1.4 mm
1202564 203815	1.5 mm
1202565 203816	1.6 mm



Spiral Drill, HSS

- With cylinder shaft, right cut
- Working speed: **500 to 3,000 rpm**
- Field of application: **Plastic materials and precious metals**

1202515–29  3 pieces

Order No.	Shaft size	Size
1202515 203205	0.5 mm	0.5 mm
1202516 203206	0.6 mm	0.6 mm
1202517 203207	0.7 mm	0.7 mm
1202518 203208	0.8 mm	0.8 mm
1202519 203209	0.9 mm	0.9 mm
1202520 203210	1.0 mm	1.0 mm
1202521 203211	1.1 mm	1.1 mm
1202522 203212	1.2 mm	1.2 mm
1202523 203213	1.3 mm	1.3 mm
1202524 203214	1.4 mm	1.4 mm
1202525 203215	1.5 mm	1.5 mm
1202526 203216	1.6 mm	1.6 mm
1202527 203217	1.7 mm	1.7 mm
1202528 203218	1.8 mm	1.8 mm
1202529 203220	2.0 mm	2.0 mm



HSS Spiral Drill Set

- 12 high quality spiral drills No. 1202554–65
- Contents:** 2 twist drills, each of sizes: 0.8, 1.0, 1.1, 1.2, 1.3 and 1.4 mm
- In a practical lid box set

1202566
203850

 124 x 18 x 113 mm

 115 g



HSS Spiral Drill Set, 30 pieces

- High quality spiral drills Nr. 1202515-24
- Contents:** 3 spiral drills, each of sizes: 0.5; 0.6; 0.7; 0.8; 0.9; 1.0; 1.1; 1.2; 1.3 and 1.4 mm
- In a practical lid box set

1202530
203250

 210 x 18 x 113 mm

 140 g

Hard Metal Drill

- For drilling out steel screws stuck in hinges
- Working speed: **10,000 to 15,000 rpm**
- Field of application: **Steel screws**
- Shaft size: **2.34 mm**

1202550-53

Order No.	Size
1202550 203710	1.0 mm
1202551 203712	1.2 mm
1202552 203714	1.4 mm
1202553 203716	1.6 mm



The drills No. 120 255 . are provided with a hard metal top.
We recommend using less pressure and cooling.

Groove Miller

- To rework the groove of plastic and metal frames
- Shaft size: **2.35 mm**
- Diameter: **8 mm**
- Speed: **approx. 6,000 to 8,000 rpm**



1202735
224045



Hard Metal Drill for Plastic Lenses

- Polished surface guarantees a clean cut
- Working speed: **1,000 to 5,000 rpm**
- Field of application: **Plastic materials, polycarbonate and Trivex**
- Shaft size: **3.175 mm**
- Blade length: 10.5 mm

1202531-45  38 mm

Order No.	Size	Order No.	Size
1202531 203508	0.8 mm	1202539 203516	1.6 mm
1202532 203509	0.9 mm	1202540 203517	1.7 mm
1202533 203510	1.0 mm	1202541 203518	1.8 mm
1202534 203511	1.1 mm	1202542 203519	1.9 mm
1202535 203512	1.2 mm	1202543 203520	2.0 mm
1202536 203513	1.3 mm	1202544 203521	2.1 mm
1202537 203514	1.4 mm	1202545 203522	2.2 mm
1202538 203515	1.5 mm		



Hard Metal Drill Set for Plastic Lenses

- **Contents:** 10 drills (0.8; 0.9; 1.0; 1.1; 1.2; 1.3; 1.4; 1.6; 1.8 and 2.0 mm)
- Details: see drills above
- Incl. half-transparent plastic box

1202549  86 x 10 x 53 mm  60 g



Hard Metal Miller for Plastic Lenses

- To notch and mill plastic lenses, polycarbonate and Trivex
- High quality double cut miller with **fishtail edge** for a clean cut and long life time
- Shaft size: **3.175 mm**

1202700-07  38 mm

Order No.	Drillbit length	Miller size
1202700 221208	8.0 mm	0.8 mm
1202701 221209	9.0 mm	0.9 mm
1202702 221210	9.0 mm	1.0 mm
1202703 221211	9.0 mm	1.1 mm
1202704 221212	9.0 mm	1.2 mm
1202705 221213	9.0 mm	1.3 mm
1202706 221214	9.0 mm	1.4 mm
1202707 221216	10.0 mm	1.6 mm

double cut



You will find our drilling machines starting page A 20.

Drill and Miller Set for Plastic Lenses

- **Contents:** 6 drills (0.8; 1.0; 1.2; 1.4; 1.6 and 2.0 mm) plus 4 millers (1.0; 1.2; 1.4 and 1.6 mm)
- Details: See for example article 1202531 and 1202700

1202547  86 x 10 x 53 mm  60 g



Drill Miller for Plastic Lenses

- This drill-miller has a polished surface which enables a clean cut
- Ideally suitable for perfect drilling and milling of plastic lenses, including polycarbonate and Trivex
- Material: **Tungsten steel**
- Shaft size: **3.16 mm**

1202689-93  38 mm

Order No.	Drillbit length	Size
1202689 221008	8.0 mm	0.8 mm
1202690 221010	8.0 mm	1.0 mm
1202691 221012	8.0 mm	1.2 mm
1202692 221014	9.0 mm	1.4 mm
1202693 221016	9.0 mm	1.6 mm



Drill Miller Set for Plastic Lenses

- **Contents:** 5 drill-miller (0.8; 1.0; 1.2; 1.4 and 1.6 mm)
- Details: see drill-miller above
- Incl. half-transparent plastic box

1202694  86 x 10 x 53 mm  43 g

Diamond Spiral Drill

- For drilling glass and ceramic
- Working speed: **approx. 20,000 rpm**
- Shaft size: **2,34 mm**

1202572-73

Order No.	Drillbit length	Size
1202572 204410	6.2 mm	1.0 mm
1202573 204412	6.2 mm	1.2 mm



Diamond Drill

- For drilling glass and ceramic
- Working speed: **15,000 to 18,000 rpm**
- Drillbit length: **6.0 mm**
- Shaft size: **2.34 mm**

1202742  1.6 mm
226016



Diamond Wheel

- Shaft dimensions **22 x 0.60 mm**
- Working speed: **approx. 15,000 to 18,000 rpm**
- Shaft size: **2.35 mm**

1202744
226300



Diamond Miller

- For milling of lenses
- Shaft dimensions: **5.0 x 0.6 mm**
- Working speed: **approx. 15,000 to 18,000 rpm**
- Shaft size: **2.35 mm**

1202745
226400



Diamond drill No. 1202742 plus diamond wheel No. 1202744 and 1202745 are high speed tools and should be operated with maximum speed. The optimum speed is between 15,000 and 18,000 rpm. Use **only water** as coolant. For minimum wear and tear and best performance apply low pressure only. Work in intervals and clean drill holes frequently. The **lower** the rpm of the diamond wheel/drill, the higher the wear and tear. The **faster** the rpm of the diamond wheel/drill, the better the working results.



Duplex Hinge and Temple Miller

- For working with joints and temples hinge rolls on Duplex temples
- Miller size: **3.0 mm**
- Shaft size: **3.0 mm**

1202710 221703 | 35 mm



The tools No. 1202765 (page C 23) and 1202710 (page C 36) are for processing common German Silver screws and brass screws. Processing steel screws will immediately damage the tool. Improper usage voids all guarantees.

Double Cone Miller

- To mill a notch for rhinestones
- For deburring drilling holes in plastic lenses
- Can also be used for polycarbonate and Trivex
- Shaft size: **2.34 mm**



1202746-49 | 44,5 mm

Order No.	Miller size
1202746 226519	1.9 mm
1202747 226523	2.3 mm
1202748 226527	2.7 mm
1202749 226540	4.0 mm

Screw End Miller

- Suitable for **steel**, brass and German silver screws
- Outer diameter: **1.8 mm**
- Inner diameter: **1.4 mm**
- Shaft size: **2.34 mm**

1211806 221519 | 44 mm



Core Miller

- For pre-milling of hidden hinge bowls
- Miller size: **5.0 mm**
- Shaft size: **3.0 mm**

1202718 223750 | 23 mm



Hard Metal Miller

- To work on metal and plastic
- Shaft size: **3.0 mm**
- Diameter: **6 x 48 mm**
- Speed: **approx 4,000 to 6,000 rpm**

1202741 224300



Hinge Bowl Miller

- To mill out the hole for hinge
- 4 cuts
- Shaft size: **3.0 mm**

1202713-17 | 35 mm



Long Hole Miller

- For milling long holes in plastic lenses
- Can also be used for polycarbonate and Trivex
- Shaft size: **2.35 mm**

1202695-99 | 44.5 mm 2 pieces



Order No.	Miller size
1202713 223630	3,0 mm
1202714 223635	3,5 mm
1202715 223640	4,0 mm
1202716 223645	4,5 mm
1202717 223650	5,0 mm

Order No.	Drillbit length	Miller size
1202695 221108	3.5 mm	0.8 mm
1202696 221110	4.0 mm	1.0 mm
1202697 221112	4.2 mm	1.2 mm
1202698 221114	4.5 mm	1.4 mm
1202699 221121	5.1 mm	2.1 mm

Tool Holder

- With plastic handle and revolving plastic knob, especially for taps
- Clamping: **1.5 to 2.0 mm**

1202592
206200 | 90 mm | 10 g



Reamer Holder

- Brass, nickel-plated
- Clamping: **1.0 to 2.0 mm**

1202593
206500 | 80 x 6 mm | 15 g



Tool Holder

- With 2 exchangeable, hardened steel clamps, with square head
- Clamping: **0.7 to 1.0 and 1.4 to 2.4 mm**

1202595
206800 | 90 mm | 25 g



Precision Tool Holder

- 2 exchangeable steel clamps
- Black plastic handle with revolving knob
- **Second clamp accommodated in handle**
- Additional tools can be stored inside the handle
- Clamping: **0 to 1.5 and 1.5 to 2.5 mm**

1202596
206900 | 100 mm | 37 g



Precision Tool Holder

- With an extra large collet width
- For tools with a maximum shaft diameter of 3.2 mm
- Additional tools can be stored inside the handle
- Clamping: **2.5 to 3.2 mm**

1202597
207000 | 100 mm | 34 g





1:1



1:1

Precision File Lenticular

- Flat oval type with shaft
- Tapered pointed tip
- Cut: 2
- Length of cut: 125 mm
- Suitable handles: No. 1202310 and 1202312

1202396
187012

 175 x 15 mm  38 g

Precision File Half-round

- With shaft and pointed tip
- Length of cut: 125 mm
- Suitable handles: No. 1202310 and 1202312

1308490 Cut: 1

1308491 Cut: 2



 175 x 13 mm  38 g

Exclusive to B&S

At a quick glance the special quality of the 2 in 1 equaling file with its two different strokes cannot immediately be seen. But once you have used them, you will never want to be without their strength again.



Precision File Flat, Small, including Handle

- B&S special design
- With 2 different strokes: Cut 1 = rough and cut 3 = semi fine
- One third of one narrow side with stroke
- Delivered with wood handle
- Length of cut: 100 mm

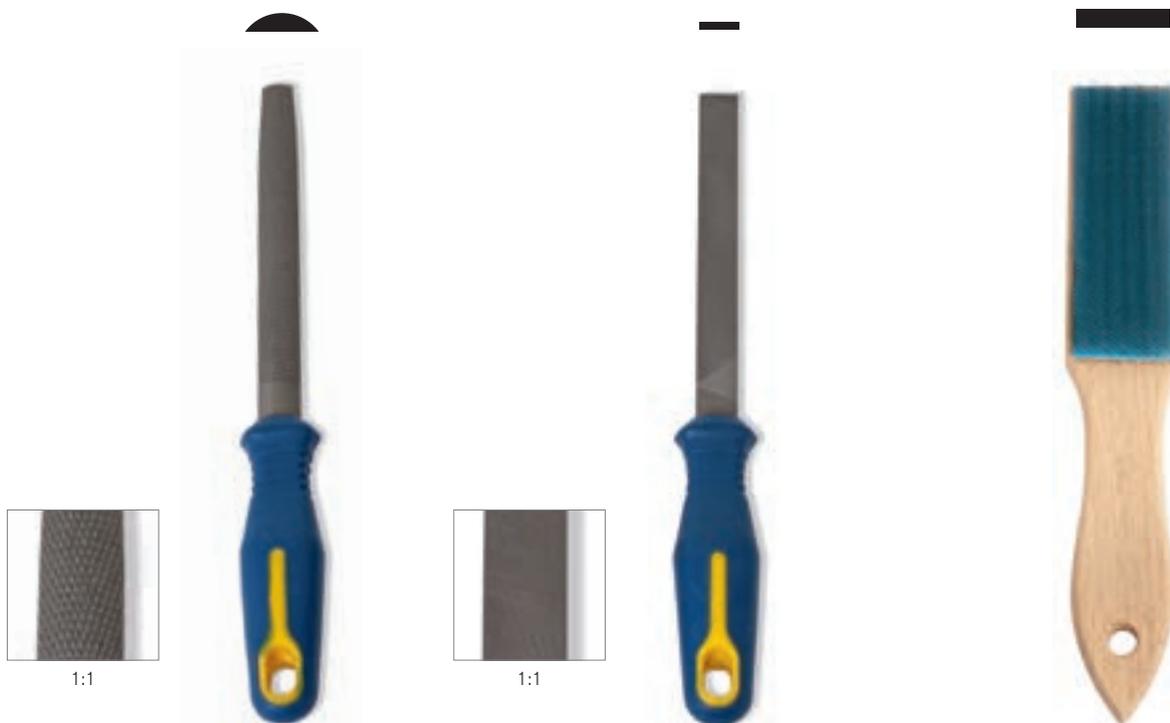


1307479



For cleaning we recommend our cleaning brush for files
No. 1204072 on page C 39.

 182 x 10 mm  26 g  2.0 mm



Raspel Half-round

- For working plastics
- With rasp cut No. 5, on both sides
- Length of cut: 130 mm
- Delivered with plastic handle

1300688
189800

260 x 15 mm 118 g

Precision File Flat, Large

- With two different strokes:
Cut 1 = rough and cut 3 = semi fine
- One third of the one narrow side with stroke
- Length of cut: 120 mm
- Delivered with plastic handle

1300684
186600

240 x 15 mm 79 g

Filing Brush

- Flat
- Coated surface: 105 mm

1204072
351600

250 x 35 mm

Raspel and Precision File as assortment

consisting of **1300688** and **1300684**

1301434



File Handles

- Lacquered wood
- Standard type, with collar
- Bore: 4 mm

1202311
173290

90 mm 30 g

1202310
173210

100 mm 35 g

File Handle, Plastic Red

- Reduces fatigue and avoids blisters
- Shaped to fit the hand, special design
- For file lengths from 100 up to 150 mm
- Material: High impact material with non-slip surface
- Bore: 4–7 mm, no opening up required

1202312
173510

100 mm 34 g

File Handle, Plastic Blue

- Ergonomic file handle with soft touch surface
- Material: Two-component plastic
- Bore: 3.7 mm

1202313
173580

85 mm 24 g



Needle File Assortment

- For work on plastic
- In plastic pouch, different shapes (flat, semicircular, trident, square type, round, flat with tapered tip)
- Cut: 2
- Length of cut: 70 mm

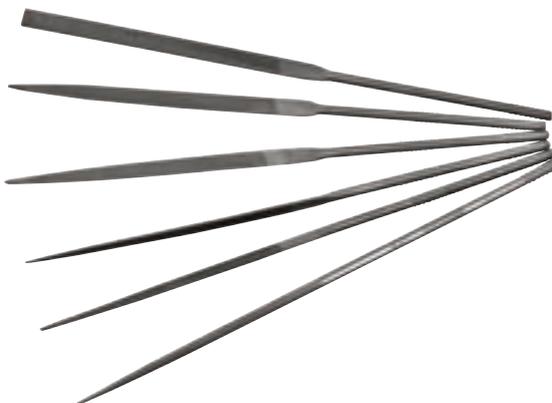
1202382 | 140 mm | 6 pieces
184960



Needle File Assortment

- Notably small and handy version with **extra fine cut** for work with plastic
- In plastic pouch, different shapes (flat, semicircular, trident, square type, round, flat with tapered tip)
- Cut: 4
- Length of cut: 50 mm

1202380 | 100 mm | 6 pieces
184850



Needle File Assortment

- For work on plastic
- In plastic pouch, different shapes (flat, semicircular, trident, square type, round, flat with tapered tip, lenticular, knife-shaped)
- Assorted in cuts 1 and 3

1202381 | 140 mm | 12 pieces
184900



Diamond Needle File Assortment

- For work on **steel, lenses, ceramic**
- In plastic pouch, different shapes (flat, trident, square type, round, flat with tapered tip, oval, biretta, lenticular, semicircular, knife-shaped)
- Length of cut: 50 mm

1202360 | 140 mm | 10 pieces
180150



Needle Files

- Cut: 2

1202383-86  140 mm  2 pieces

1202383 184961 round

1202384 184962 flat

1202385 184964 trident

1202386 184967 knife shaped



Screw Head Slot File

- Without shaft
- Cut: 5
- Length of cut: 75 mm
- Thickness at edge: 0,30 mm



 75 x 10 mm

 0,55 mm

 3 g

Lens Drill Hole and Hinge File

- Round, cylindrical
- Cut: 3
- Length of cut: 100 mm



 120 mm

 1 g

1202389
185313  1,3 mm

1096652
186015

Pretty flexible.

No DIY store has this bench vice in its range. A bench vice with precise ball joint construction. Work pieces can be rotated and tilted exactly as required. The exchangeable jaws offer a secure and gentle grip. This German quality product is manufactured in small production runs –defining a typical B&S product.



Ball Joint Vice

- With lateral turning range and rotation 360°
- Perfect for all demands and requirements at work
- Jaw type: **Smooth and exchangeable**
- Clamping depth: **38 mm**
- Jaw width: **50 mm**
- Clamping range: **48 mm**
- Maximum thickness of working table: **80 mm**

1202609  1.5 kg
210600

Plastic Jaws (without illustration)

- Suitable for No. 1202609

1202612  1 pair
211701

Vice

- Rotatable vice with steel jaws and trapezoidal threaded spindle
- Made of grey cast iron with table clamping clamp
- Jaw width: **50 mm**
- Clamping range: **50 mm**
- Clamping depth: **32 mm**
- Maximum thickness of working table: **50 mm**

1202611  2 kg
210700



Proxxon Ball Joint Vice

- Adjustable in all kinds of work positions
- With rubber jaws
- Jaw width: **75 mm**
- Clamping range: **55 mm**
- Maximum thickness of working table: **60 mm**

1302064  2 kg



Aluminium Jaws

- For easy attachment, suitable for all vices

1202616  65 x 10 x 14 mm
212115

 33 g  2 pairs



Rubber Protective Jaws

- Suitable for ball joint vice No. 1302064

 **1308521**  76 x 22 x 16 mm

 24 g  1 pair



Self-Adhesive Felt for Vice Jaws

- Can be cut to size, self-adhesive
- For vices to protect sensitive materials

1202617  15 x 3 mm
212120

 1 m



Filing Vice

- For filing of temple stops with its clamp

1202297
172400

 170 g



Hack Saw

- Universal use (for metal and plastic)
- The handle is used to keep the blade under tension
- Perfect to use for special fretworks
- C shaped frame, including standard blade
- Bow depth: 65 mm
- Saw blade: 150 mm

1202666 | 295 mm
215200



Standard Blades for Hack Saw

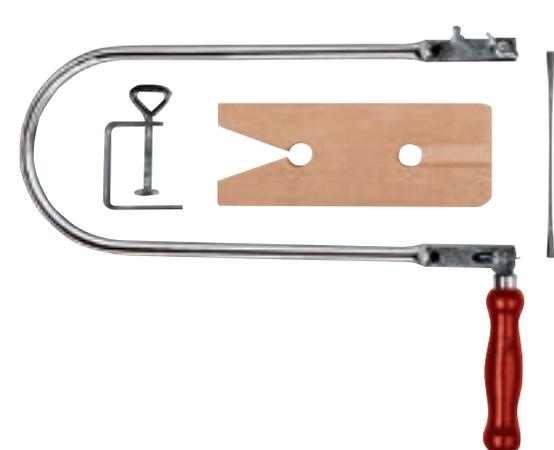
1202667 | 150 mm | 10 pieces
215210



Fret Saw Working Set

- For wood and plastic
- **Contents:** 1 fret saw, 1 fret saw timber with clamp, 1 set saw blades

1202665 | 390 g
215100



Fret Saw Timber (without illustration)

- With two clamps and metal sleeve

1202669 | 220 x 14 x 90 mm | 290 g
216000



Spare Screw Set (without illustration)

- Complete with washer and wing nut
- 1 set contains: 2 fly nuts, 2 washers and 2 screws

1202668 | 9 g | 2 pieces
215801



Spare Clamps (without illustration)

1202670 | 2 pieces
216001



Fret Saw Blades

- For plastic, acrylic glass and non-ferrous metal
- One sided cut
- Length: 130 mm

1202680-82 | each 12 pieces

1202680 | 0.8 mm | **1202682** | 1.5 mm
219801

1202681 | 1.2 mm
219802



Fret Saw Blades

- For plastic
- All-over cut
- Length: 130 mm

1202683-86 | each 12 pieces

1202683 | 0.8 mm | **1202685** | 1.0 mm
219903

1202684 | 0.9 mm | **1202686** | 1.2 mm
219904



Fret Saw Blades

- For metal
- One sided cut
- Length: 130 mm

1202677-79 | each 12 pieces

1202677 | 0.5 mm | **1202679** | 1.0 mm
219601

1202678 | 0.7 mm
219602





OPTOMETRY

Tools for the right diagnosis



- D 2 Trial Frames
- D 5 Trial Lens Sets
- D 8 Cross Cylinders and Test Strips
- D 10 Occluder & Colour Chart
- D 11 Occluders
- D 12 Tips & Tricks: Press-on-Bumper
- D 14 Tips & Tricks: Prism Foils
- D 15 Ophthalmic Lenses
- D 16 Occlusion Foils
- D 17 Stick-on Reading Segment
- D 18 Contact Lens Equipment
- D 20 Foam Hand Soap
- D 22 Lens Clock and Thickness Gauge
- D 24 Caliper Gauges
- D 26 Tips & Tricks: The Cube
- D 29 Rulers



OCULUS Trial Frame – perfection you can trust. Made in Germany.

Hypo-allergenic plastic, easy to use and comfortable to wear; top workmanship gives this product its renowned quality.

Trial Frame from Oculus

- For trial lenses with diameter of 38 mm
- PD-Range 46 to 80 mm
- Adjustable bridge height and inclination
- Dermatologically safe material (**hypo-allergenic**)

UB6

- Use up to 12 trial lenses in total
- 2.5° steps for a better readability
- Flexible double temple tips for a perfect fit



1205325
442800

 60.2 g

 For **spare parts** contact your local distributor.

Polarised Clip-on

For lateral mounting on the trial frame No. 1205325.

1205333 442850 Polarisation = Circular

1205334 442851 Polarisation = V-position (45°/135°)

1205333-34

 1 pair (left and right)




Polarised Filter for Testing

Polarisation = V-position (45°/135°)

1205470
445830

 17 g



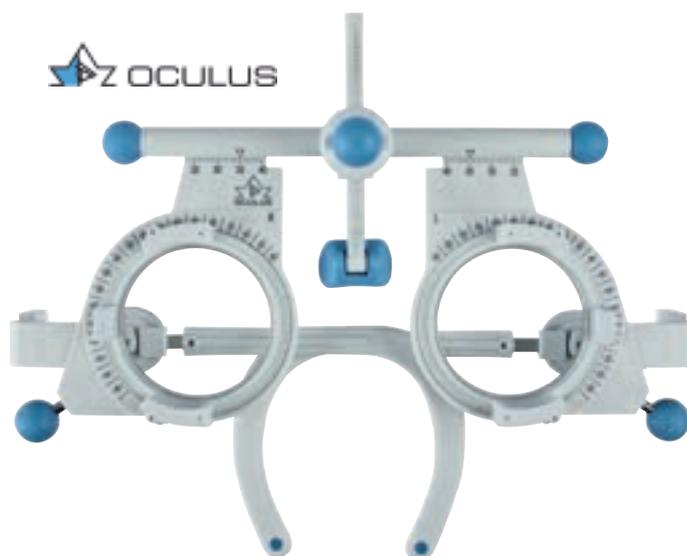

UB4

- Use up to 10 trial lenses in total
- Flexible and anatomic adjustable temple ends
- Trendy up to date design

1205273
442300

 70 g

 For **spare parts** contact your local distributor.



Polarised Clip-on

For lateral mounting on the trial frame No. 1205273.
Polarisation = V-position (45°/135°)

1205296
442351

 1 pair (left and right)

 Z OCULUS



Polarised Clip-on

For lateral mounting on the trial frame No. 1205273.
Polarisation = Circular

1205295
442350

 1 pair (left and right)

 Z OCULUS



Polarised Lenses

- With plastic rims
- Diameter rim: 38 mm
- Diameter lens: 21 mm
- Polarisation: Circular
- Suitable for 3D sight testing

1205469
445820

 1 pair (left and right)

 Z OCULUS



Trial Frame RF-380

- With improved nose bridge
- Use up to 8 trial lenses (Ø 38 mm)
- PD-range 48 to 80 mm
- Measuring device for vertex distance
- Temple inclination and length adjustable
- Adjustable bridge height and inclination
- Nose pads and temple ends have extra soft quality
- Incl. 2 extra nose pads
- Colour: Black and white
- Delivered in B&S design box

1205306  80 g
442600

 For **spare parts** contact your local distributor.



Trial Frame RF-480

- Use up to 10 trial lenses (Ø 38 mm)
- PD-range 50 to 80 mm
- Measuring device for vertex distance
- Temple inclination and length adjustable
- Bridge height and inclination adjustable at the same time
- Nose pads and temple ends have extra soft quality
- Incl. 2 nose pads, size S and M
- Colour: Black and white
- Delivered in B&S design box

1205316  61 g
442700

 For **spare parts** contact your local distributor.



Trial Frame RF-580/1

- Lightweight
- Use up to 10 trial lenses (Ø 38 mm)
- PD-range 50 to 80 mm
- Temple inclination, length and bridge height are individually adjustable
- Colour: Charcoal grey
- Plastic storage box

1309639  53 g

 For **spare parts** contact your local distributor.



Trial Frame RF-680

- Use up to 10 trial lenses (Ø 38 mm)
- PD-range 50 to 80 mm
- Temple inclination and length adjustable
- CVD scale
- Precise scale division
- Colour: Silver blue
- Delivered in B&S design box

1307841  58 g

 For **spare parts** contact your local distributor.



Trial Lens Set with 268 mineral Trial Lenses with Metal Rims

- In high quality metal case
- Suitable for standard trial frames with 38 mm lenses
- All lenses are individually available

1204913  540 x 100 x 350 mm  6.6 kg
436905

 For **spare parts** contact your local distributor.



Content of the Trial Lens Set

40 pairs each of plus and minus lenses:

- ± 0.12 dpt.
- ± 0.25 dpt. up to ± 6.00 dpt. in 0.25 increments
- ± 6.50 dpt. up to ± 10.00 dpt. in 0.50 increments
- ± 11.00 dpt. up to ± 14.00 dpt. in 1.00 increments
- ± 16.00 dpt. up to ± 20.00 dpt. in 2.00 increments

21 pairs each of plus and minus cylinders:

- ± 0.12 dpt.
- ± 0.25 dpt. up to ± 4.00 dpt. in 0.25 increments
- ± 4.50 dpt. up to ± 6.00 dpt. in 0.50 increments

14 prism lenses:

- 0.50 pdpt. (2 pcs) in 0.50 increments
- 1.00 pdpt. up to 4.00 pdpt. (2 pcs) in 1.00 increments
- 5.00 pdpt. up to 6.00 pdpt. (1 pc) in 1.00 increments
- 8.00 pdpt. up to 10.00 pdpt. (1 pc) in 2.00 increments

10 accessory lenses:

- 1x occluder/black
- 1x pinhole small
- 1x pinhole large
- 1x aperture slot
- 1x ribbed lens
- 1x crossline
- 1x plano lens
- 1x red
- 1x green
- 1x cross cylinder 0.25 dpt.

Trial Lens Set with 260 mineral Trial Lenses with Metal Rims and AR-Coating

- In high quality metal case
- Suitable for standard trial frames with 38 mm lenses
- All lenses are individually available

1204934  540 x 100 x 350 mm  6.6 kg
436910

 For **spare parts** contact your local distributor.



Content of the Trial Lens Set

39 pairs each of plus and minus lenses:

- ± 0.25 dpt. up to ± 6.00 dpt. in 0.25 increments
- ± 6.50 dpt. up to ± 10.00 dpt. in 0.50 increments
- ± 11.00 dpt. up to ± 14.00 dpt. in 1.00 increments
- ± 16.00 dpt. up to ± 20.00 dpt. in 2.00 increments

20 pairs each of plus and minus cylinders:

- ± 0.25 dpt. up to ± 4.00 dpt. in 0.25 increments
- ± 4.50 dpt. up to ± 6.00 dpt. in 0.50 increments

14 prism lenses:

- 0.50 pdpt. (2 pcs) in 0.50 increments
- 1.00 pdpt. up to 4.00 pdpt. (2 pcs) in 1.00 increments
- 5.00 pdpt. up to 6.00 pdpt. (1 pc) in 1.00 increments
- 8.00 pdpt. up to 10.00 pdpt. (1 pc) in 2.00 increments

10 accessory lenses:

- 1x occluder/black
- 1x pinhole
- 1x frosted lens
- 1x aperture slot
- 1x ribbed lens
- 1x crossline
- 1x plano lens
- 1x red
- 1x green
- 1x cross cylinder 0.25 dpt.

Trial Lens Set with 260 mineral Trial Lenses with Plastic Rims

- In high quality metal case
- Suitable for standard trial frames with 38 mm lenses
- All lenses are individually available

1204936  540 x 100 x 350 mm  5.5 kg
436920

 For **spare parts** contact your local distributor.



Content of the Trial Lens Set

39 pairs each of plus and minus lenses:

- ± 0.25 dpt. up to ± 6.00 dpt. in 0.25 increments
- ± 6.50 dpt. up to ± 10.00 dpt. in 0.50 increments
- ± 11.00 dpt. up to ± 14.00 dpt. in 1.00 increments
- ± 16.00 dpt. up to ± 20.00 dpt. in 2.00 increments

20 pairs each of plus and minus cylinders:

- ± 0.25 dpt. up to ± 4.00 dpt. in 0.25 increments
- ± 4.50 dpt. up to ± 6.00 dpt. in 0.50 increments

14 prism lenses:

- 0.50 pdpt. (2 pcs)
- 1.00 pdpt. up to 4.00 pdpt. (2 pcs) in 1.00 increments
- 5.00 pdpt. up to 6.00 pdpt. (1 pc) in 1.00 increments
- 8.00 pdpt. up to 10.00 pdpt. (1 pc) in 2.00 increments

10 accessory lenses:

- 1 x occluder/black
- 1 x pinhole small
- 1 x pinhole large
- 1 x aperture slot
- 1 x ribbed lens
- 1 x crossline
- 1 x plano lens
- 1 x red
- 1 x green
- 1 x cross cylinder 0.25 dpt.

Trial Lens Set with 159 mineral Trial Lenses with Metal Rims

- In high quality metal case
- Suitable for standard trial frames with 38 mm lenses
- All lenses are individually available

1205082  525 x 68 x 300 mm  5 kg
436940

 For **spare parts** contact your local distributor.



Content of the Trial Lens Set

25 pairs each of plus and minus lenses:

- ± 0.25 dpt. up to ± 4.00 dpt. in 0.25 increments
- ± 4.50 dpt. up to ± 6.00 dpt. in 0.50 increments
- ± 7.00 dpt. up to ± 10.00 dpt. in 1.00 increments
- ± 12.00 dpt.

11 pairs each of plus and minus cylinders:

- ± 0.25 dpt. up to ± 2.00 dpt. in 0.25 increments
- ± 2.50 dpt. up to ± 3.00 dpt. in 0.50 increments
- ± 4.00 dpt.

8 prism lenses:

- 0.50 pdpt. up to 1.00 pdpt. (2 pcs) in 0.50 increments
- 2.00 pdpt. up to 5.00 pdpt. (1 pc) in 1.00 increments

7 accessory lenses:

- 1 x occluder/black
- 1 x pinhole
- 1 x aperture slot
- 1 x crossline
- 1 x red
- 1 x green
- 1 x cross cylinder 0.25 dpt.

Upgrade Trial Lens Set, with 8 pcs of 0.12 dpt. mineral Trial Lenses with Plastic Rims

- 1 pair of plus and minus lenses
- 1 pair of plus and minus cylinder
- Suitable for standard trial frames with 38 mm lenses
- All lenses are individually available

1204977
436922

 220 x 25 x 125 mm

 114 g



Mineral Prism Trial Lens Set with Metal Rims

- Trial lens set upgrade, with 36 pcs prism lenses with power from 0.50 pdpt. up to 10.00 prism pdpt.
0.50 pdpt. (4 pcs)
1.00 pdpt. up to 6.00 pdpt. (4 pcs) in 1.00 increments
8.00 pdpt. up to 10.00 pdpt. (4 pcs) in 2.00 increments
- With 4 different base directions (45°/135°/225°/315°)
- Suitable for standard trial frames with 38 mm lenses

1204935
436913

 245 x 95 x 175 mm

 1.4 kg



Mineral Prism Trial Lens Set with Plastic Rims

- Trial lens set upgrade, with 36 pcs prism lenses with power from 0.50 pdpt. up to 10.00 prism pdpt.
0.50 pdpt. (4 pcs)
1.00 pdpt. up to 6.00 pdpt. (4 pcs) in 1.00 increments
8.00 pdpt. up to 10.00 pdpt. (4 pcs) in 2.00 increments
- With 4 different base directions (45°/135°/225°/315°)
- Suitable for standard trial frames with 38 mm lenses

1205019
436923

 245 x 95 x 175 mm

 1.2 kg



Everything at a glance.

Proven quality from Germany, very handy and light.

Cross Cylinder

Mineral lens with AR coating

∅ 25 mm  12 g

1204784-85

1204784
436720 ± 0.25 dpt.

1204785
436740 ± 0.50 dpt.



Cross Cylinder

Mineral lens

∅ 35 mm  25 g

1205083-84

1205083
437025 ± 0.25 dpt.

1205084
437050 ± 0.50 dpt.



Power Testing Bar

Mineral lens with AR coating

Effect in diopters: Sph. ± 0.25 up to ± 0.50 dpt.

1204783
436605 ∅ 19 mm each  40 g



Power Testing Bar

Mineral lens

Effect in diopters: Sph. ± 0.25 up to ± 0.50 dpt.

Delivered in B&S Design Box

1205088
437300 ∅ 21 mm each  40 g



Confirmation Test

Mineral lens

Effect in diopters: Sph. \pm 0.25 dpt.

1205087
437200

∅ 35 mm each

▲● 25 g



Binocular Confirmation Test, Metal

Mineral lens

Effect in diopters: Sph. \pm 0.25 dpt.

Adjustment of PD: 46 to 82 mm

1205090
437400

∅ 35 mm each

▲● 72 g



Binocular Confirmation Test, Plastic

Mineral lens

Adjustment of PD: 44 to 81 mm

1205094-95

∅ 35 mm each

▲● 37 g

1205094
437725

Effect in diopters: Sph. \pm 0.25 dpt.

1205095
437750

Effect in diopters: Sph. \pm 0.50 dpt.



Occluder

For cover test.
Total length: 24.5 cm

1205091  6 cm  21 g
437500



LANG Fixation Cube

To be used for the cover test and motility test.

1205096
437800



Ishihara Colour Chart

Book type, 14 charts.
Size: DIN A5



1205536  250 g
447610



Occluder

- Skin friendly, very elastic plastic
- Easy to adjust, with effective ventilation
- Strong small sucker

1205341

443980

 75 x 50 mm  of the sucker 15 mm



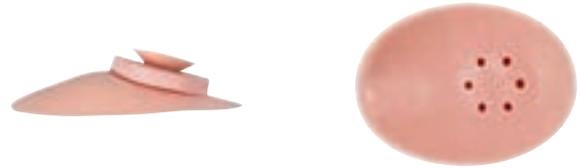
Occluder

- As No. 1205341, but small and flat type

1205343

443995

 55 x 45 mm  of the sucker 15 mm  3 pieces



Eye Patches

Each eye patch comes with elastic strap.

1007056

205501000

large, concave

 89 x 44 mm

1007062

205531000

regular, flat

 76 x 44 mm



Side Protection Universal

- Silicone, to be cut to fit metal and plastic frames
- Mounted into the groove of the frame

 1 pair

1201679

131600

Black

1201680

131610

Semi-Transparent



TIPS & TRICKS

PRESS-ON-BUMPER

Push the Button!

Prism Foils

No. 1200806-1200840

Small Scissors

No. 1202136



approx. 2-3 minutes



This is how it works

1 APPLY



2 MOISTEN



3 APPLY THE LENS



4 PRESS ON FIRMLY



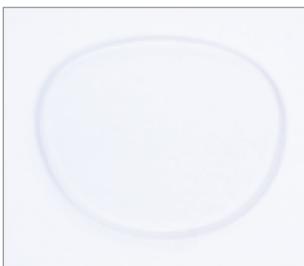
5 CONTROL



6 CUT OUT



7 DONE



 YouTube



Press-On-Bumper – a real “game changer”

This tool prevents annoying air bubbles when applying prism, lens or occlusive foils to the lens. The film is simply placed on the orange, round-shaped cushion, then the film is sprayed with a little water and pressed onto the lens from the centre.

The firm adhesion prevents slippage even on lenses with superhydrophobic coatings, so that cutting the film around the edges can be done with a precise fit. The practical axis indication around the cushion ensures that prismatic foils can be applied in the correct axial position.



Easy, bubble-free application of prism or occlusive foils to all types of lenses and coatings in the correct axial position.

1302865

 10 x 10 x 2.5 cm



TIPS & TRICKS

ATTACH PRISM FOILS PROPERLY

Get the Right Base Position!

Prism Foils

No. 1200806-1200822

Scissors for Plastic

No. 1210105

Foil Pen

No. 1203049



approx. 2-3 minutes

This is how it works



1 UNPACKING



2 RECOGNIZING THE BASE



3 ATTACHING



4 MARKING



5 CUT OUT



6 MOISTEN



7 ATTACHING



8 SMOOTHING



 YouTube



TIP: Clean the foil only with water. Don't use any aggressive cleaning agents as the foil will lose its clearness!

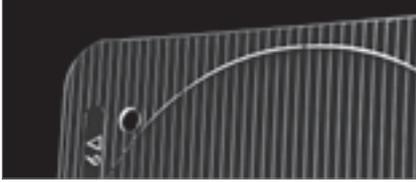


ATTENTION: Storing period for lens foils max. 1 year. Please mark foils only with tallow or wax pencils!

3M Ophthalmic Lenses

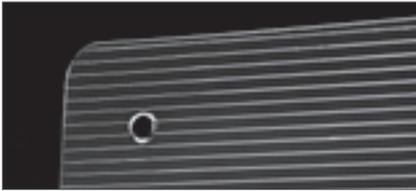
- Prismatic additions for squint treatment
- Highly transparent material with perfect optical quality
- High flexibility, good adhesion and image quality
- Useful diameter: 66 mm

1200806-22



Ophthalmic Lenses

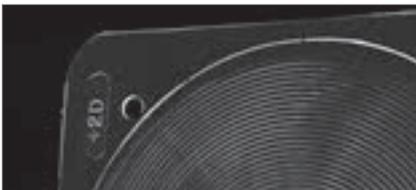
- Prismatic additions for squint treatment
- Useful diameter: 58 mm



3M Lens Foils

- Spherical additions
- Highly transparent material with perfect optical quality
- Useful diameter: 66 mm
- Center thickness: 0.8 mm

1200841-45



Order No.	cm/m	Order No.	cm/m	Order No.	cm/m
1200806 063901	1	1200812 063907	7	1200818 063920	20
1200807 063902	2	1200813 063908	8	1200819 063925	25
1200808 063903	3	1200814 063909	9	1200820 063930	30
1200809 063904	4	1200815 063910	10	1200821 063935	35
1200810 063905	5	1200816 063912	12	1200822 063940	40
1200811 063906	6	1200817 063915	15		

Order No.	cm/m	Order No.	cm/m	Order No.	cm/m
1200823 064001	1	1200830 064007	7	1200836 064017	17,5
1200825 064002	2	1200831 064008	8	1200837 064020	20
1200826 064003	3	1200832 064009	9	1200838 064025	25
1200827 064004	4	1200833 064010	10	1200839 064030	30
1200828 064005	5	1200834 064012	12	1200840 064035	35
1200829 064006	6	1200835 064015	15		

Order No.	Effect dpt.	Order No.	Effect dpt.
1200841 064610	+ 1.0	1200844 064625	+ 2.5
1200842 064615	+ 1.5	1200845 064630	+ 3.0
1200843 064620	+ 2.0		



Occlusion Foils in Different Types

Based on Prof. Bangerter and Prof. Lang, in graded transparency for reducing the vision.
For full, alternating or gradual occlusion note the instructions from the doctor.

Foils in Sheet Form

10 individual foils can be cut from one foil in order to equip 10 children's spectacles. The foils can be cut using scissors. A larger surface can be covered for special applications.

1200851-62  215 x 105 mm

Order No.	Foil	Visus reduction	Order No.	Foil	Visus reduction
1200861 065820	With motifs	Full	1200852 065801	Colourless	0.1
1200851 065800	Beige	Full	1200853 065802	Colourless	0.2
1200860 065810	Grey	Full	1200854 065803	Colourless	0.3
1200862 065830	Matt Black	Full	1200855 065804	Colourless	0.4
1200859 065809	Translucent	Light perception	1200856 065806	Colourless	0.6
1200857 065807	Colourless	< 0.1	1200858 065808	Colourless	0.8



Single Foils

1200863-72  60 x 60 mm

Order No.	Visus reduction	Order No.	Visus reduction
1200863 065900	Full	1200866 065903	0.3
1200871 065909	Light perception	1200867 065904	0.4
1200869 065907	< 0.1	1200868 065906	0.6
1200864 065901	0.1	1200870 065908	0.8
1200865 065902	0.2	1200872 065910	1.0



 T&T Press-On-Bumper (see page D 12)

Single Foils with Funny Motives for Squint Treatment of Children

Visus reduction: Full

1200873, -75, -76  60 x 60 mm

Order No.	Motifs	Order No.	Motifs
1200873 065920	Ladybird	1200875 065924	Clown
		1200876 065925	Butterfly



Pro-ophta Junior Occlusion Patches

Visual reduction: full

- Individual stickers included
- Skin-friendly adhesive, thin and cuddly material, can be used on the left or right side
- Skin-coloured backing fabric: 100% polyester
- Light-proof and air-permeable centre: 100% cotton fabric

1306459 Mini  65 x 54 mm  5 pieces

1306460 Maxi  70 x 59 mm  5 pieces



StickTite Stick-on Reading Segment

- Flexible plastic
- Reusable self adhesive
- Easy to handle

 28 x 14 mm

 1 pair

1308449-54



1308449 + 1,25

1308450 + 1,50

1308451 + 1,75

1308452 + 2,00

1308453 + 2,50

1308454 + 3,00



StickTite Display

- Suitable for StickTite Reading Segments
- Contents not included

 33 x 22 x 42 cm

1303414



Prismaflex Stick-on Reading Segment

- Flexible plastic
- Reusable self adhesive
- Easy to handle

 30 x 18 mm

 1 pair

1301557-62

1301557 + 1,25

1301558 + 1,50

1301559 + 1,75

1301560 + 2,00

1301561 + 2,50

1301562 + 3,00



Multiple application ...



... in protective goggles



... in sunglasses

12 Contact Lens Cases “Funny Animals”

– including presentation display

- Presentation display, dimensions (l x w x h): 211 x 147 x 30 mm

1206164 720500  12 contact lens cases including presentation display

Colours / Models:

2 x Frog, Green / 2 x Piggy, Pink
 2 x Hippo, Grey / 2 x Bear, Blue
 2 x Fish, Purple / 2 x Elephant, Yellow

Every Funny Animal is available separately.

1206165 720501 Frog, Green
1206166 720502 Piggy, Pink
1206167 720503 Hippo, Grey
1206168 720504 Bear, Blue
1206169 720505 Fish, Purple
1206170 720506 Elephant, Yellow
1206171 720507 Monkey, Dark blue
1206172 720508 Owl, Dark purple

 8 pieces per colour



Standard Contact Lens Cases

- For soft and hard contact lenses
- Assorted colours (6x Blue white, 6x Green white)

1206182 725000  12 pieces



- Hermetically sealed barrel cases with 2 baskets for soft lenses
- Assorted colours (3x Blue orange, 3x Orange blue)

1206183 725100  6 pieces



- For hard lenses
- Assorted colours (3x Blue yellow, 3x Blue orange)

1206184 725200  6 pieces



Biodegradable Contact Lens Case

- Biodegradable disposable contact lens case
- Can be disposed of in the organic waste garbage can – Observe local disposal regulations!
- Avoidance of plastic waste
- Hygienic and sustainable work
- Fresh lens case for each customer

1206192  250 pieces



Contact Lens Tweezers

- Small, handy to carry
- With silicone tips, especially gentle for soft contact lenses
- Assorted colours (4 x Green, 4 x Blue, 4 x White)

1206185  12 pieces
725400



- Large type for an optimum handling
- With silicone tips, especially gentle for soft contact lenses
- Assorted colours (4 x Yellow, 4 x Dark blue, 4 x Dark green)

1206186  12 pieces
725410



Contact Lens Suction Holder

- Hypoallergenic silicone, ok to combine with all standard cleaning solutions and care products
- Including hard case, easy to carry
- For hard lenses

1206188  12 pieces
725500
Orange



Suction cup,
for hard contact lenses

1206189  12 pieces
725510
Green



Hollow suction cup, for hard
and soft contact lenses

B & S Foam Hand Soap

- No irritating additives: no perfumes, no dyes – reduces the risk of skin irritation or allergic reactions
- Neutral scent, no overpowering odor that lingers in the room
- The creamy foam cleanses effectively – ideal for anyone who is in contact with customers and has to wash their hands frequently
- Practical 100 ml format, ideal for on the go and perfect for air travel



1308414

 6 pieces à 100 ml





Lens Clock

- For all spheric and astigmatic lenses with **refractive index n 1.53**
- Measuring range: 0 to ± 20 dpt.
- Delivered in B & S Design Box

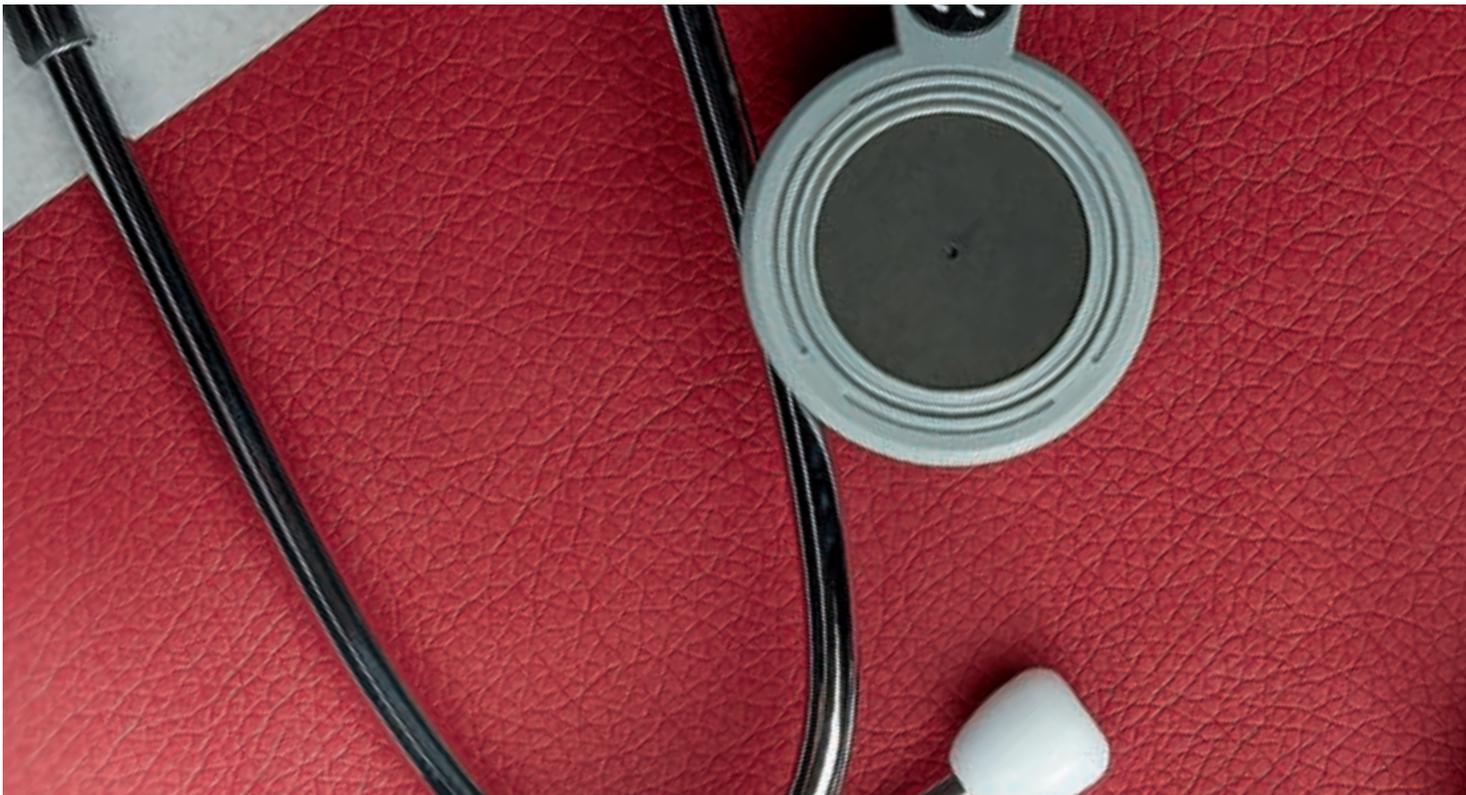
1202788  62 g
231510



Lens Clock

- For all spheric and astigmatic lenses with **refractive index n 1.49 and n 1.60**
- Measuring range: 0 to ± 18 dpt.
- Delivered in B & S Design Box

1080776  62 g
231520



Thickness Gauge

- With long arms and ball pointed measuring tips
- Arm depth: 75 mm
- Lens thickness: up to 20 mm
- Reading: 0.05 mm
- Delivered in a plastic box

1092418  390 g
231400



Thickness Gauge

- Arm depth: 45 mm
- Lens thickness: up to 10 mm
- Reading: 0.05 mm
- Delivered in a plastic box

1202793  75 g
231800



Digital Caliper Gauge

Electronic display "mm" and "inch" readings.
 Reading: 0.1 mm = 0.004 inch
 Battery: round cell 1.5 V
 Measuring range: 150 mm
 Jaw Depth: 40 mm

1202798  315 g
 233500



Universal Caliper

Stainless steel, matt chrome.
 Reading: 1/50 mm and 1/1,000 inches
 Measuring range: 150 mm
 Jaw Depth: 40 mm

1202799  170 g
 233702



Pocket Caliper

Made of high quality brass, offers 6 different measuring possibilities.
 Length: 100 mm
 Length of measuring leg: 40 mm

1202797  65 g
 233310



Precision work

The B & S test lens with the central overprint of the marking provides a very accurate measurement. In addition the print colour chosen to increase contrast, makes it easier to read the values. The consistent quality of the printing is guaranteed by the German manufacturer.

B & S Test Lens

With milled centre holes, reference lines to mark the centre of the pupil and segheight, easy to use.
 Compatible with Rodenstock and Essilor systems.

1202834  68 x 0.5 x 68 mm  200 pieces
 235902

1202835  68 x 0.5 x 68 mm  50 pieces
 235904



Segheight Gauge

Transparent, scale printed in white.

1202851  75 x 37 mm  2 pieces
 237102



A very special workplace:

To simplify the assembly and adjustment of spectacles. The magnetic surface helps to prevent screws and nuts from bouncing off. The aluminum edge gives a secure grip on the workbench and prevents slipping. The printed measurement lines makes determining the frame curvature easier and helps during the adjustment of the frame.

Magnetic Mat for Rimless Work

Work base for the workshop.

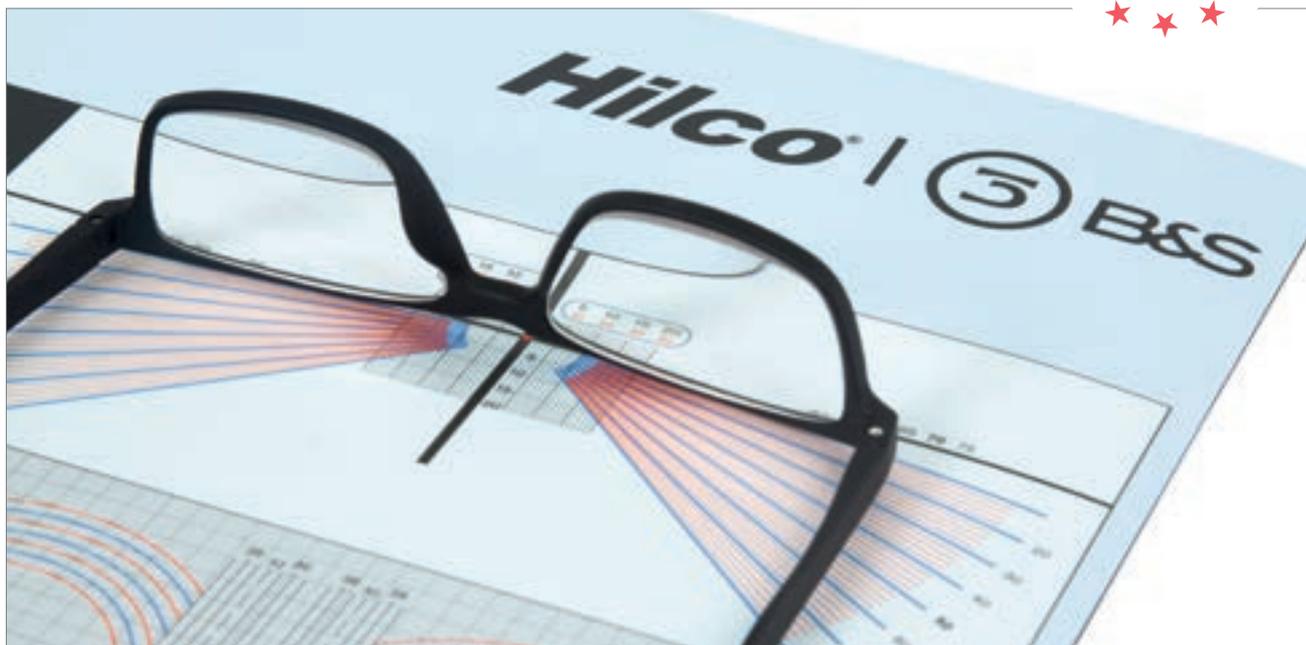
Ideal for aligning all frames, in particular when assembling rimless spectacles.

- The magnetic effect retains screws and nuts (minimises bouncing of small items when dropped)
- Measuring line system for determining the **frame curvature** on sunglasses and sports frames with extremely curved lenses
- Reference lines for aligning all frames
- Centration aid for determining the frame centre
- An aluminium edge prevents slipping of the mat and serves as support when tightening screws
- Centration aid for temple inclination
- Ruler
- Sizing template to find out the rough lens diameter
- Bold lines to check the markings

1097625
236521

 39,4 x 28 cm

 800 g



Silicone Pad

- This non-slip softpad protects frame and worktop against scratches
- Perfect for your workshop and service area
- Made of silicone
- Thickness of the material: 1.5 mm

1092361
227400

 2 pieces



TIPS & TRICKS

THE CUBE

3 at a Stroke

The Cube
Art. No. 1096994

 approx. 1 minute



This is how it works

OPTION 1:

1 ATTACHING



2 MARKING



3 CHECKING



4 CORRECT



OPTION 2:

1 MEASURE



OPTION 3:

1 MEASURE



 YouTube



The marking tool “The Cube”

This innovative tool has been developed to combine 3 work steps in one: the simple and fast marking of spectacle lenses, the measuring of inclination and the checking of centering heights. The high-quality Staedtler pen included in the scope of delivery only has to be inserted through the tapered hole in the middle of the stylish acrylic block and off you go. Depending on which side the block is placed on, an assistant line can be drawn at four different heights in a flash and parallel. With the engraved ruler on one of the stand sides of the cube, the near part height of a bifocal lens, the progression height of a progressive lens or any other height can be measured. In addition, the Cube offers two scales for measuring inclination. It goes without saying that measurements can be taken from both the right and the left side of the temple.



The Cube

- For easy and quick marking of lenses
- For inclination measurements and inspection of the reading segment
- Including Staedtler Pen (Art. No. 1203048)

1096994
237250

 55 x 55 x 30 mm



Fine Line Ruler

To control the axis for uncut lenses, finished lenses and varifocal lenses.

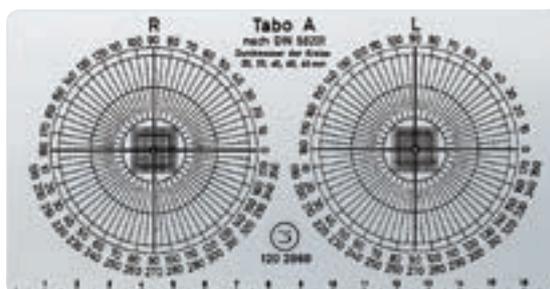
1302765  130 x 18 x 85 mm



Axis Layout

According to DIN 58201, Aluminium, etched scale, formulas to determine prism on decentrated lenses on rear.
Measuring range: 0–170 mm

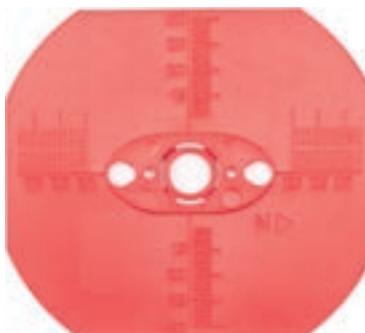
1202860  175 x 1 x 90 mm
237700



Formers

Plastic with scale on one side and cross hair on the other side, can be cut with paper scissors.

1099802  71 x 1.5 x 65 mm  100 pieces
239530



PD Ruler Transparent

Polycarbonate.

With holes to measure screw threads.

Measuring range: 0–160 mm (mm scale)

1202855  205 mm  3 pieces
237300



PD Ruler

PVC.

With rear centering ring for nose bridges.

For simpler reading of markings.

Measuring range: 0–140 mm (mm scale)

1202796  165 mm  2 pieces
232500



Multipurpose PD Ruler

According to Bremer, plastic, for total PD, monocular PD, segheight, bridge size and pantoscopic angle.

Measuring range: 0–145 mm (mm scale)

1202859  155 mm
237600



PD Ruler

Plastic.

Measuring range: 0–170 mm (mm scale)

1202858  180 mm
237400



Ruler Metal

Flexible, etched scale.

Measuring range: 0–150 mm (mm scale)

1202795  165 mm
232001



Angle Measuring Device 180°

Metal.

Angle range: 0–180°

1202849  45 x 174 mm
236600





CONSUMABLES

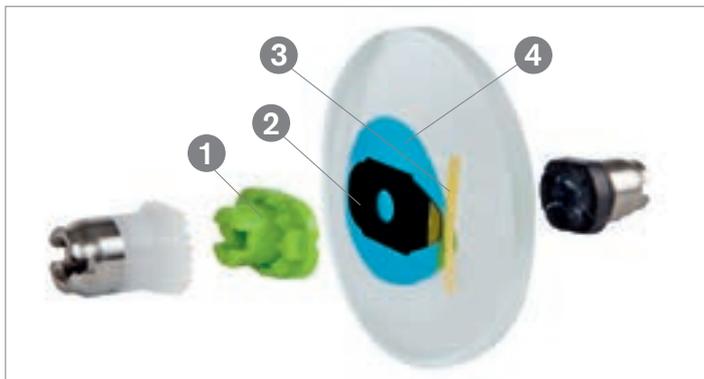
for first aid measures



- E 2 Lens Blocks and Adhesive Pads
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- E 12 Lens Marking Pens
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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. 1202917, 1202924, 1202927, 1202929, 1202930, 1202942, 1202945, 1202949, 1308002 or 1307595 only!

Up to curve 8.

∅ 30 x 17 mm 10 pieces



1092405
371017N



1092406
371017R
Red (left lens)



1092407
371017G
Green (right lens)



1092408
371050
Mixed colours for right and left lenses (5x red and 5x green)

For high curves **from base 8**.

∅ 30 x 17 mm 10 pieces



1092409
371117

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



1092410
371415



1092411
371415R
Red (left lens)



1092412
371415G
Green (right lens)



1092413
371450
Mixed colours for right and left lenses (5x red and 5x green)

NIDEK Lens Block Nano Cup

Flexible lens block for NIDEK edging machines with original NIDEK Nano-Cup lens holder.

Optionally available for the ME and LEXCE series.

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

Please use the matching B&S adhesive pad No. 1202923 only!

Up to curve 6.

∅ 30 x 17 mm / 18 x 13.5 mm

10 pieces



1092674

371513R

Red (left lens)



1092675

371513G

Green (right lens)



1092676

371513

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

Adhesive pads for Nano-Cup lens blocks

▪ Material: EVA (Ethylene-vinyl acetate copolymer resin)

0.9 mm

10 strips (100)



1202923

250313



Vario Block

Flexible plastic, for adhesive pads.

Suitable for WECO-system.

∅ 25 x 20 mm

∅ 25 mm

10 pieces

25 pieces



1092414

370020

White

Flat curve



1092416

370025

White

Flat curve





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)

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%.



1202945
251117



1202946
251119



1202947
251122



1202948
251124

Order No.	∅ in mm	Adhesive power	Protection against axis slip	Type	for blocker
1202945 251117	31 x 17			NIDEK	No. 1092405-09
1202946 251119	30 x 18	very high, for super hydrophobic lenses	very high, including anti-torsion foil	Universal	
1202947 251122	22			Universal	
1202948 251124	24			Universal	



1202942
251017



1202943
251018



1202944
251024



Order No.	∅ in mm	Adhesive power	Protection against axis slip	Type	for blocker
1202942 251017	31 x 17			NIDEK	No. 1092405-09
1202943 251018	30 x 18	high, for super hydrophobic lenses	high, including anti-torsion foil	Universal	
1202944 251024	24			Universal	

Go Edge Pro

± 0.9 mm  1 roll (1,000 pieces)



1308002



1308003



1308004



1308005



1308006

Order No.	∅ in mm	Adhesive power	Protection against axis slip	Type	for blocker
1308002	31 x 17			NIDEK	No. 1092405-09
1308003	24	high, for super hydrophobic lenses	high, including anti-torsion foil	Universal	
1308004	19			Universal	
1308005	21 x 14			Universal	
1308006	22			Universal	



Adhesive Pads for Hydrophobic Lenses

- Material: Polyurethane foam
- In a dispenser box

 0.9 mm

 see table

1202928 250714

1202929 250717
1202930 2507171

1202931 250718
1202932 2507181

1202933 250722
1202934 2507221

1202935 250724
1202936 2507241

Order No.	Ø in mm	Adhesive power	Protection against axis slip	Type	for blocker	 (pieces)
1202928 250714	21 x 14	very high, for hydrophobic lenses	very high	Universal		1 roll (500)
1202929 250717	31 x 17			NIDEK	No. 1092405-09	1 roll (500)
1202930 2507171	31 x 17			NIDEK	No. 1092405-09	1 roll (1,000)
1202931 250718	30 x 18			Universal		1 roll (500)
1202932 2507181	30 x 18			Universal		1 roll (1,000)
1202933 250722	22			Universal		1 roll (500)
1202934 2507221	22			Universal		1 roll (1,000)
1202935 250724	24			Universal		1 roll (500)
1202936 2507241	24			Universal		1 roll (1,000)

- Material: Polyurethane foam
- In a dispenser box

 0.9 mm

 1 roll (1,000 pieces)

1202949
 251217

1202950
 251219

1202951
 251222

1202952
 251224

Order No.	Ø in mm	Adhesive power	Protection against axis slip	Type	for blocker
1202949 251217	31 x 17	very high, for hydrophobic lenses	very high	NIDEK	No. 1092405-09
1202950 251219	30 x 19			Universal	
1202951 251222	22			Universal	
1202952 251224	24			Universal	

Adhesive Pads for Standard Lenses Blue Cut

- Material: Modified acrylate
- In a dispenser box

0.71 mm 1 roll (1,000 pieces)



1307595



1307596



1307597



1307598



1307599

Order No.	∅ in mm	Adhesive power	Protection against axis slip	Type	for blocker
1307595	30 x 17	high for standard lenses	high	NIDEK	No. 1092405-09
1307596	24			Universal	
1307597	19			Universal	
1307598	21 x 14			Universal	
1307599	22			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



1202917
250217



1202918
250218



1202919
250219



1202921
250221



1202922
250224

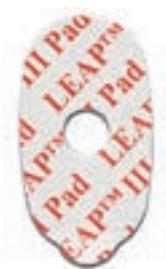
Order No.	∅ in mm	Adhesive power	Protection against axis slip	Type	for blocker	(pieces)
1202917 250217	32 x 17	high, for standard lenses	high	NIDEK	Nr. 1092405-09	1 roll (1,000)
1202918 250218	18			Universal		1 roll (1,000)
1202919 250219	28 x 18			Universal		1 roll (500)
1202921 250221	30 x 21			Universal		1 roll (500)
1202922 250224	24			Universal		1 roll (1,000)



Adhesive Pads for Standard Lenses

- Material: Ethyl vinyl acetate foam
- In a dispenser box

0.8 mm  see table



1202924
250317



1202925
250318



1202926
250326

Order No.	Ø in mm	Adhesive power	Protection against axis slip	Type	for blocker	 (pieces)
1202924 250317	31 x 17			NIDEK	No. 1092405-09	1 roll (1,000)
1202925 250318	18	very high, for standard lenses	very high	Universal		1 roll (1,000)
1202926 250326	26			Universal		1 roll (1,000)

- Material: Polyethylene foam
- In a dispenser box

0.9 mm (1202915) 0.8 mm  1 roll (1,000 pieces)



1202927
250617



1202915
250118



1306659



1202908
250019



1202910
250024

Order No.	Ø in mm	Adhesive power	Protection against axis slip	Type	for blocker
1202927 250617	31 x 17			NIDEK	No. 1092405-09
1202915 250118	18			Universal	
1306659	22	high, for standard lenses	high	Universal	
1202908 250019	30 x 18			Universal	
1202910 250024	24			Universal	

Lens Protection and Anti-Torsion Foil



1202953
256030

1202954
256031

1202957
256032

1202959
256042

1202959
256042

1308580

Order No.	∅ in mm	Product information	Field of application	 (pieces)
Anti-torsion foil				
1202953 256030	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)
1202954 256031	40 x 26	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)
1202957 256032	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)
1202959 256042	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)
Lens protection				
1202958 256035	35	To protect the back of the lens during the edging process.		1 roll (1,000)
1308580	34	To protect the back of the lens during the edging process.		1 roll (2,000)

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

1202960
256200

 150 ml

 144 x 50 mm

1202961
256210

 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)



1203859
314850

 500 ml

Bag Insert for Circulation Unit

Made of transparent, tearproof plastic.
Suitable for NIDEK circulation unit

1205226

 400/300 x 600 x 0.1 mm

 20 pieces



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

Abrasive Stones

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



1204017
342212

 110 x 12 x 25 mm

 927 g

 12 pieces

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



1204018
342312

 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



1204019
342401

 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. 1203044 and 1203045

1203042
262402



White



1203044
262422



White

12 pieces

1203043
262405



Red

1203045
262455



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

1203039
262002



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

1203046
262501



Black, fine

4 pieces

1203047
262505



Red, fine

4 pieces

1203048
262701



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

1203040
262301



Black

4 pieces

1203041
262305



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**.

1203050
263000



Foil Pen

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

1203049
262801



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 Fix Gel Applicator

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

1203940
318403

 3 ml



Conical shape
for easier
dispensing



1203940
318403

b) UV Fix Gel Application Bottle

- Convenient application bottle
- Reclosable
- Cures with UV lamp in 15 minutes

1309632

 10 ml



Accessories: UV Fix Gel Inverted Holder

- UV fix gel is always ready for use and can be used up to the last drop
- Stable and perfect for immediate use
- Supplied without application bottle

1308736

 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
- Viscous (gel-like)
- Colour after cure is transparent to slightly yellowish tint
- Solvent-free
- Delivered in a metal case

1203956
318600

 4 g

Refill Cartridge

1203957
318601

 4 g



You will find our UV lamp No. 1202894 on page A 31.



Instant Adhesive

Loctite 4850

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

1203894
316200  5 g

1203895
316202  20 g



Loctite 460

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

1203896
316210  20 g



VA 1460

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

Comparable with Loctite 460

1307686  12 g



Universal Adhesive

Loctite 401

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

1203897
316220  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

1203898
316230  3 g



Plastic and All Purpose Glues

Superglue VA 8312

- 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



1203948
318512

 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



1203951
318522

 30 g

Superglue VA 8406

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



1211718
318310

 10 g

Superglue VA 20

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

Comparable with SICO MET 40



1203955
318540

 20 g



Universal Adhesive

HG Power Glue

- The weld from the bottle
- 1 adhesive system with 4 different application possibilities: reinforcing, filling, forming and bonding
- Extremely cold & heat resistant and waterproof
- For 93% of all materials (plastics, wood, rubber, metal, glass, leather, stone etc.)
- Bonding point remains transparent and elastic without using the granulate
- No harmful solvents
- Colour: Transparent
- Viscosity of the adhesive: low



1203903
316600

 5 g adhesive & 10 g granulate

1203904
316601

 20 g adhesive & 40 g granulate

HG Power Glue

- For the pre-treatment of the surface to be bonded. Removes contaminants such as oil, grease, dust, rust, moisture, etc.
- Removes stubborn adhesive residues



1203905
316610

 20 ml

HG Power Glue

- For the pretreatment of materials that are difficult to bond such as silicone, oily plastics (PP or PE)
- Closure cap with brush



1203906
316620

 15 ml

HG Power Glue Activator

- Specially developed for HG Power Glue
- Very fast, bonding in seconds
- Closure cap with brush



1203907
316630

 15 ml



- 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

The right adhesive for every job!

Article no.	Product	Preferred application	Viscosity (mPa-s)	Viscosity (mPa-s)	Hand-tight in	Final strength in
1203897	Loctite 401	Universal adhesive for metal, rubber, plastic		100 (medium)	<10 Sec.	24 hrs
1203898	Loctite 454	Gel-like adhesive for porous materials		thixotropic gel (high)	10–30 Sec.	24 hrs
1203896	Loctite 460	Low odour, low efflorescence		40 (low)	20–60 Sec.	24 hrs
1203894 / 1203895	Loctite 4850	Flexible, for moving adhesive joints		400 (medium)	20–60 Sec.	1–4 hrs
1307686	Weicon VA 1460	Moisture resistant, medium viscosity		100–150 (medium)	20–40 Sec.	12–24 hrs
1203955	Weicon VA 20	For metal, plastic, rubber		20 (very low)	10–30 Sec.	6–12 hrs
1203948	Weicon VA 8312	For sensitive plastics		20–40 (very low)	5–15 Sec.	6–12 hrs
1211718	Weicon VA 8406	Slight efflorescence, low odour		40–60 (low)	10–60 Sec.	12–24 hrs

Article no.	Product	Suitable materials	Colour	Trivex/polycarbonate
1203897	Loctite 401	Metal, rubber, plastic, wood, leather, ceramic, paper, cardboard	Colourless, transparent	not suitable
1203898	Loctite 454	Wood, leather, paper, stone, cardboard, rubber, porous plastics	Colourless	not suitable
1203896	Loctite 460	Metal, rubber, plastic, polycarbonate, Trivex, ceramic, ABS, PMMA, PVC	Colourless, transparent	well suited
1203894 / 1203895	Loctite 4850	Flexible plastics, rubber, leather, fabric, foam, Trivex, polycarbonate	Colourless, transparent	well suited
1307686	Weicon VA 1460	Metal, rubber, plastic, ceramic, glass, PC, Trivex, PMMA, ABS, textiles	Colourless, transparent	well suited
1203955	Weicon VA 20	Metal, rubber, plastic, wood, paper, leather	Colourless, transparent	only suitable for polycarbonate
1203948	Weicon VA 8312	ABS, PMMA, SAN, PS, leather, metal, rubber, soft plastics	Colourless, transparent	well suited
1211718	Weicon VA 8406	Plastics, rubber, polycarbonate, Trivex, glass, ceramic, sensitive materials	Colourless, transparent	well suited



Screw Securing

Loctite 221

- Solvent-free
- Colour: Red
- Also suitable in combination with **polycarbonate**

1203890
315900  10 ml



Loctite 243

- Solvent-free
- Colour: Blue
- Also suitable in combination with **polycarbonate**

1203892
316100  10 ml

1203893
316105  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

1203891
316000  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

1203899
316400  10 ml



Screw Fastener with Patented Dispenser Tip

- Medium firmness
- Colour: Blue
- Fast curing

1203934
317800  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

1201750
140600



Mixing Bowl

1201751
140700

∅ 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

1201744
140510

∅ 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

1201749
140520

∅ 4 pieces



Plastic Bottle

- Material: LDPE
- Capacity: 1 l

1201872
148803



Fluid Dispenser

- Fluid dispenser for acetone No. 1309629, petrol, alcohol, B & S special cleaner No. 1203930 etc.
- Pump mechanism, can be used with one hand, reduces odour, plastic HDPE, with steel cover
- With pre-printed sticky labels
- Capacity: 125 ml

1097359
148710



Fluid Dispenser

- Fluid dispenser for acetone No. 1309629, petrol, alcohol, B & S special cleaner No. 1203930 etc.
- Pump mechanism, can be used with one hand, reduces odour
- PP material with plastic cover
- Capacity: 120 ml

1100296
148900

∅ 3 pieces



Acetone

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

1309629  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. 1097359 and 1100296
- Isopropanol 99.9%

1203929  250 ml
317502

1203930  1 l
317510



Oil Dropper

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



1203055  145 mm
274200

Oil

- For spectacle hinges, high quality, non-acidic

1203920  20 ml
317100



Glass Adhesive

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

1203931  9 ml
317700



Screw Grip

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

1203908  20 g
316800



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

1203927
317415

 400 ml



Silicone Spray Loctite LB 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.

1203926
317410

 400 ml



Label remover

- For loosening any kind of labels
- Suitable for many surfaces such as glass, metal, wood, foils and plastic.
- Do not use on sensitive surfaces such as TPR material.

1302980

 500 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.

1203885
315700

 1 l

1203887
315725

 2.5 l



Cleaning Concentrate ELMA RED 1:9

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.

1203888
315800

 1 l



You will find our Ultrasonic baths on page A 6 to A 8.



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

Water-based and therefore environmentally friendly
usable for metal and plastic frames.

1202998–3007



▪ Available in 10 colours:

Order No.	Colour	Code
1202998 261220	Gloss black	
1202999 261221	Matt black	
1203000 261222	Dark blue	
1203001 261223	Yellow gold	
1203002 261224	Gunmetal	

Order No.	Colour	Code
1203003 261225	Light silver	
1203004 261226	Light brown	
1203005 261227	Dark brown	
1203006 261228	Protective lacquer clear gloss	
1203007 261229	Protective lacquer clear matt	

Repair Pen Set

Consisting of 10 pens.

1203008
261251



- 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

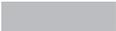
Repair Colours

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.

1202988 and 1202990–96  12 ml



▪ Available in 7 colours plus clear lacquer:

Order No.	Colour	Code
1202988 261100	White	
1202990 261101	Black	
1202991 261102	Metallic silver	
1202992 261103	Metallic gold	

Order No.	Colour	Code
1202993 261104	Blue	
1202994 261105	Red	
1202995 261108	Brown	
1202996 261109	Clear Lacquer	

Repair Colour Set

Consisting of all 7 colours plus clear lacquer.

1202997
261151



- 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



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



▪ Available in 8 colours:

Order No.	Colour	Code
1202973 261021	Black	
1202974 261022	Black matt	
1202977 261025	Pink	
1202978 261026	Grey	

Order No.	Colour	Code
1202979 261027	Plum	
1202981 261029	Light turquoise	
1202984 261032	Blue	
1202986 261034	Bordeaux	



Clean the lens edge thoroughly with lens cleaner No. 1203929–30 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. 1203929–30 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

Grinding wax
No. 1203850

Buffing wheel
No. 1204002, 1204033

FINE POLISHING

Polishing wax
No. 1203849,
1203851

Buffing wheel
No. 1204002, 1204033

HIGH GLOSS POLISHING

Burnishing wax
No. 1203849, 1203852,
1303688

Buffing wheel, wool cone
No. 1204030, 1204031, 1204032,
1204073, 1204074, 1204076

POLYCARBONATE

LENS POLISHING

Polishing past
No. 1203855

Felt cloth buff
No. 1204028

CR 39, TRIVEX, PNX

ROUGH POLISHING

Polishing paste
No. 1303688

Felt discs
No. 1204025, 1204026,
1204027

FINE POLISHING

Polishing paste
No. 1303688,
1203855

Felt cloth buff
No. 1204028, 1204033

STEEL, WHITE AND PRECIOUS METALS

ROUGH POLISHING

Polishing wax
No. 1203857

Buffing wheels
No. 1204002, 1204030, 1204031,
1204032, 1204033

FINE POLISHING

Polishing wax
No. 1203856

Buffing wheels
No. 1204002, 1204030, 1204031,
1204032, 1204033

HIGH GLOSS POLISHING

Burnishing wax
No. 1303688

Buffing wheel, wool cone
No. 1204030, 1204031, 1204032,
1204073, 1204074, 1204076

BAKELITE, HORN, CAOUTCHOUC, METAL

Polishing wax
without any wax

Leather buffing wheel
No. 1204029



Felt Disc, conical shaped Soft Set Felt

- Core: Centered
- Bore Ø: 8 mm

∅ 100 mm |—| 20:5 mm

1204025
345000



Felt Disc

- Core: Centered
- Bore Ø: 8 mm

∅ 100 mm |—| 25 mm

1204026
345510



Felt Disc with Groove

- Core: Centered
- Bore Ø: 8 mm

∅ 100 mm |—| 25 mm

1204027
345600



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. 1203855, 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

1204028
345700



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

1204029
346200



Muslin Buffing Wheel

- Core: Leather
- Bore Ø: 6 mm

∅ 125 mm |—| 12 mm

1204030
347001



Muslin Buffing Wheel

- Core: Leather
- Bore Ø: 6 mm

∅ 125 mm |—| 24 mm

1204031
347100



Flannel Buffing Wheel

- Core: Leather
- Bore Ø: 6 mm

∅ 125 mm | 30 mm

1204033
347400



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

1204032
347200



Buffing Wheel

- Core: Plastic
- Bore Ø: 8 mm

∅ 100 mm | 10 mm

1204002
341610



Wool Brush

- Core: Wood
- Bore Ø: 6 mm

∅ 70 mm | 35 mm

1204073
356100



Wool Brush

- Core: Plastic
- Bore Ø: Conical

∅ 80 mm | 25 mm

1204076
358200



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

1204074
357100



"Perfectly Polished" (see page E 27)



To ensure the buffing wool cone No. 1204074 runs safely it's necessary to check if the cone can be screwed onto the polishing tip for at least 2 cm.



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.



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 chapter safety goggles in the Accessories catalogue) have to be worn.



Polired

1203856
314300



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

Poligreen

1203857
314400



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

Poliblu

1203858
314500



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

Polishing Wax High Gloss Polish, yellow

1303688



Applications with approx. 3,500 rpm:	High gloss polishing: Cloth buffing wheels
Field of application:	Stainless steel, aluminum, metal, plastic
Weight:	approx. 250 g



Please take note of our small tools assortment including the silicone polisher No. 1202738 on page C 30.

Grinding Wax, grey

1203850
312000



Polishing Wax, blue

1203849
311800



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. 620 g

Burnishing Wax, beige

1203851
312300



Burnishing Wax, beige

1203852
312500



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. 1204028** which has a patented conical flange (refer to page E 28).

1203855
312700



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 18 and A 19.



Abrasive Paper

1203962-67

 230 x 280 mm

 5 sheets

1203962
325118

Granulation: 180

1203963
325124

Granulation: 240

1203964
325132

Granulation: 320

1203965
325140

Granulation: 400

1203966
325160

Granulation: 600

1203967
325180

Granulation: 800



Abrasive Rubber

To clean solder points,
to dull metals and plastic.

1204000-01

 80 x 20 x 50 mm

1204000
341202

Granulation: Medium

1204001
341203

Granulation: Fine



Marking Needle

- With carbide tip
- Ballpoint pen format
- Metal grip to optimise the handling



1302395

 150 mm

Accessories for Soldering and Welding Units

Gas Cartridge

- For handheld soldering unit No. 1203081 and Micro Torch Set No. 1203077 and 276200 (discontinued)
- Liquid gas
- Burning duration: approx. 3.5 h at low flame

1203075
276106  70 ml



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

Oxygen Bottle

- For Micro Torch Set No. 1203077 and 276200 (discontinued)
- Oxygen gas (no liquid gas)

1203072
276002  13 g



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

Solder Dispenser

For Degussa solder No. 1203829.
Opening: 1.8 mm



1202591
205900  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

1203842
304330  2 x 25 cm



Titanium Wire

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

1203841
304310  2 x 25 cm



Electrolyte

1203958
319800  800 ml



Flux

1203960
319901  1 l



Heatstop

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

1203838
302900  100 g



BrazeTec h 80 Flux

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

1203847
311400  100 g



BrazeTec h Flux

- Consistency: Paste

1203844
311200  100 g

1203846
311205  500 g



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



You will find our soldering unit No. 1203092 and further accessories on page A 24 to A 26.

Universal Solder

1309754



Pallarium – Universal Solder, white fluid

1203836
302300



white fluid, flux included

Pallarium – Universal Solder, gold fluid

1203837
302301



gold fluid, flux included

Field of application:	All standard metals such as nickel, silver, chrome, stainless steel, gold, brass and others	All standard metals such as nickel, silver, chrome, stainless steel, gold, brass and others	All standard metals such as nickel, silver, chrome, stainless steel, gold, brass and others
Metal contents:	59% Ag (Silver), 16% Cu (Copper), 25% Zn (Zinc)	45 % Ag	33 % Ag
Melting point:	700 °C	580 °C	620 °C
Recommended Flux:	Without flux	Without flux	Without flux
Form:	Tube 1,15 mm Ø	Tube 1 mm Ø	Tube 1 mm Ø
Sales unit:	12 rods at 150 mm each	12 rods at 150 mm each	12 rods at 150 mm each

Solder wire, white fluid

1203832
301400



Phantom Solder

1203831
301000



Field of application:	All silver alloy over 800 ‰ fineness	For practice, also suitable for nickel-free material
Metal contents:	675 ‰ Ag	55 % Ag, Sn
Melting point:	710 °C	660 °C
Recommended Flux:	1203844, -46 BrazeTec h	1203844, -46 BrazeTec h
Form:	0.4 mm wire Ø	0.5 mm wire Ø
Sales unit:	5 g	3 g
Length:	approx. 230 cm	approx. 130 cm

Silver Solder Degussa 6002 without Cd

1203830
300800



Silver Solder Degussa 600 L 3

1203829
300700



Field of application:	Jewellery	Jewellery
Metal contents:	60 % Ag, 23 % Cu, 14.5 % Zn, 2.5 % Sn	60 % Ag without Cd
Melting point:	680 °C	680 °C
Recommended Flux:	1203844, -46 BrazeTec hh	1203844, -46 BrazeTec h
Form:	0.5 mm wire Ø	0.4 mm wire Ø in dispenser
Sales unit:	5 g	2 g
Length:	approx. 280 cm	approx. 110 cm







SPECTACLE FRAME PARTS

in exact dosage with targeted effect



F

- F 2 Overview: Nose Pads
- F 10 Tips & Tricks: Silicone Nose Pads Minifits
- F 11 Nose Pad Cushions
- F 14 Tips & Tricks: Self-adhesive Nose Pad Cushion
- F 16 Tips & Tricks: Nose Pad Arms
- F 17 Nose Pad Arms
- F 20 Overview: Screws and Nuts
- F 31 Tips & Tricks: 4-in-1 Screws
- F 44 Nuts, Washers and Sleeves
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- F 54 Overview: Temples and Temple Ends
- F 62 Tips & Tricks: Sport Temple Ends
- F 70 Tips & Tricks: Heat Shrink Tube
- F 72 Long Temple Ends
- F 73 Temples
- F 76 Spare Parts for Rimless Frames with Sleeves Mounting
- F 78 Lens Washer
- F 79 Nylon Threads
- F 80 Exercise Samples for Trainees



The B&S Nose Pad Range:

- Extensive selection
- For all applications
- Easy to find. Simple to order



Ordering in 3 Steps

1. Select the material (content on the right)
2. Select size and shape
3. Select mounting type

Mounting Systems



Push-in
System



Screw-in
System



Screw-in AND
Push-in System

Worth Knowing

f&w &  The Icons guarantees:

- High-quality basic materials
- Maximum durability and optical transparency
- Colour stability
- No flashes

frey & winkler
CREATIVE SILICONE PRECISION

f&w Premium Nose Pads Made in Germany offers:

- Silicone pads made of medical silicone for highest transparency
- PVC nose pads without phthalate containing plasticiser
- Small cast points for better wear comfort
- Rounded edges
- High dimensional accuracy and high quality of the composite materials
- Certified according to DIN EN ISO 9001 and 13485

Logic[®]

Smart, Universal Nose Pads

U.S. Patent No. 5,872,612

Hilco Pads Logic[®]:

- Patent nose pads, suitable for screw-in AND push-in systems
- Premium anti-slip-silicone Soft PVC and TR90
- Reduces the nose pad stock by up to 50 %

Overview for Simple Selection

	<p>Silicone Nose Pads</p> <ul style="list-style-type: none"> ▪ Symmetrical Nose Pads ▪ Ultra Slim, Symmetrical Nose Pads ▪ Round and Classic 	<p>F 4 F 4 F 5</p>
	<p>Comfort Nose Pads</p> <ul style="list-style-type: none"> ▪ Air Active 	<p>F 6</p>
	<p>Silicone Nose Pads, Bridges and TPE</p> <ul style="list-style-type: none"> ▪ Saddle Bridges and Nose Bridges ▪ "System 3" ▪ Primadonna System ▪ Air Titanium and Minimal Art 	<p>F 7 F 7 F 8 F 8</p>
	<p>PVC Nose Pads, Medium Soft</p> <ul style="list-style-type: none"> ▪ Primadonna System ▪ Air Titanium and Minimal Art ▪ With Plastic Insert ▪ With Metal Insert 	<p>F 8 F 8 F 9 F 9</p>
	<p>Polycarbonate Pads, Hard</p> <ul style="list-style-type: none"> ▪ Ultra slim 	<p>F 11</p>
	<p>Special Nose Pads</p> <ul style="list-style-type: none"> ▪ Nose Pads for Special Applications ▪ Nose Pads for ic! berlin Frames ▪ Logic® ▪ Nose Pads for Ray Ban Frames 	<p>F 11 F 11 F 12 F 12</p>
	<p>Hypo-allergenic Special Nose Pads</p> <ul style="list-style-type: none"> ▪ Titanium ▪ PCTG 	<p>F 13 F 13</p>
	<p>Nose Pad Cushion</p> <ul style="list-style-type: none"> ▪ Silicone 	<p>F 14–F 15</p>
	<p>Nose Pad Arms</p> <ul style="list-style-type: none"> ▪ For Plastic Frames ▪ For Metal Frames 	<p>F 16–F 18 F 18</p>
<p>Assortment</p>	<ul style="list-style-type: none"> ▪ Silicone Nose Pad Assortment 	<p>F 5</p>



Silicone Nose Pads



Symmetrical Nose Pads, "Push-in" System

 10.0 mm	f&w	1200334 022710	20 pieces
		1083539 022710-100	100 pieces
		1200336 022710-200	200 pieces
 13.0 mm	f&w	1084089 022713	20 pieces
		1200341 022713-100	100 pieces
		1200342 022713-200	200 pieces
 14.5 mm	f&w	1200345 022715	20 pieces
		1200346 022715-100	100 pieces
		1200347 022715-200	200 pieces
 16.0 mm	f&w	1200350 022716	20 pieces
		1200351 022716-100	100 pieces
		1200352 022716-200	200 pieces
 18.0 mm	f&w	1200355 022718	20 pieces
		1200356 022718-100	100 pieces
		1200357 022718-200	200 pieces



Symmetrical Nose Pads, "Screw-in" System

 10.0 mm	f&w	1200361 022810	20 pieces
		1083540 022810-100	100 pieces
		1200363 022810-200	200 pieces
 13.0 mm	f&w	1084088 022813	20 pieces
		1200367 022813-100	100 pieces
		1200369 022813-200	200 pieces
 14.5 mm	f&w	1200372 022815	20 pieces
		1200373 022815-100	100 pieces
		1200374 022815-200	200 pieces
 16.0 mm	f&w	1200377 022816	20 pieces
		1200378 022816-100	100 pieces
		1200379 022816-200	200 pieces
 18.0 mm	f&w	1200382 022818	20 pieces
		1200383 022818-100	100 pieces
		1200384 022818-200	200 pieces



Ultra Slim, Symmetrical Nose Pads, "Push-in" System

 13.0 mm 		1200287 021913	20 pieces
		1200289 021913-50	50 pieces
		1200288 021913-100	100 pieces
 15.0 mm 		1200292 021915	20 pieces
		1200294 021915-50	50 pieces
		1200293 021915-100	100 pieces



Ultra Slim, Symmetrical Nose Pads, "Screw-in" System

 13.0 mm 		1200387 022913	20 pieces
		1200389 022913-50	50 pieces
		1200388 022913-100	100 pieces
 15.0 mm 		1200392 022915	20 pieces
		1200394 022915-50	50 pieces
		1200393 022915-100	100 pieces

Silicone Nose Pads

 Round and Classic, "Push-in" System			
 9.0 mm	f&w	1080758 027809	20 pieces
		1200488 027809-100	100 pieces
 15.0 mm	f&w	1082570 021615	10 pairs
		1200266 021615-50	50 pairs
		1200265 021615-100	100 pairs
 17.0 mm	f&w	1200269 021617	10 pairs
		1200271 021617-50	50 pairs
		1200270 021617-100	100 pairs
 19.0 mm	f&w	1200274 021619	10 pairs
		1200276 021619-50	50 pairs
		1200275 021619-100	100 pairs

 Round and Classic, "Screw-in" System			
 9.0 mm	f&w	1080759 028809	20 pieces
		1200516 028809-100	100 pieces
 15.0 mm	f&w	1082571 022615	10 pairs
		1200319 022615-50	50 pairs
		1200318 022615-100	100 pairs
 17.0 mm	f&w	1200322 022617	10 pairs
		1200326 022617-50	50 pairs
		1200323 022617-100	100 pairs
 19.0 mm	f&w	1200329 022619	10 pairs
		1200331 022619-50	50 pairs
		1200330 022619-100	100 pairs

Silicone Nose Pad Assortment

In organiser boxes No. 1201817.

Contents: 12 of the most used silicone nose pads and nose bridges, altogether 172 pieces

We reserve the right to change the assortment.

1200230
020010

 210 g



Our small parts organiser boxes can be found on page G 11 and G 12.



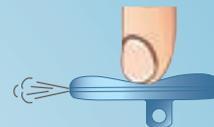
Comfort Nose Pads



Air Active Pads

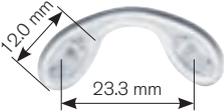
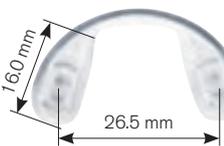
consist of extremely flexible silicone material which offers the wearer extra comfort due to the air cushions and helps to avoid pressure marks.

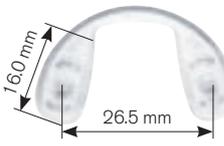
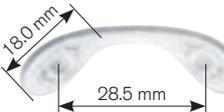
frey&winkler
CREATIVE SILICONE PRECISION



Air Active Pads, Symmetrical, "Push-in" System				Air Active Pads, Symmetrical, "Screw-in" System			
 13.0 mm	f&w	1200521 029613	10 pieces	 11.0 mm	f&w	1200524 029711	10 pieces
		with plastic insert					
 14.5 mm	f&w	1200522 029614	10 pieces	 14.5 mm	f&w	1200525 029714	10 pieces
		with plastic insert					
 14.5 mm	f&w	1301450	10 pieces	 17.0 mm	f&w	1200526 029717	10 pieces
		with plastic insert					
 17.0 mm	f&w	1200523 029617	10 pieces	 14.5 mm	f&w	1200527 029725	10 pieces
		with plastic insert				with plastic insert	
"System 3 AirTec"				"System 3 AirTec"			
 11.0 mm	f&w	1200528 029811	10 pieces	 11.9 mm	f&w	1084095 029812	10 pieces

Silicone Nose Pads, Bridges and TPE

Saddle Bridges Silicone, "Push-in" System	
	f&w 1200306 022512 3 pieces 1200307 022512-9 9 pieces
	f&w 1200309 022516 3 pieces 1200310 022516-9 9 pieces
	f&w 1200312 022518 3 pieces 1200313 022518-9 9 pieces

Saddle Bridges Silicone, "Screw-in" System	
	f&w 1200401 023512 3 pieces 1200402 023512-9 9 pieces
	f&w 1200404 023516 3 pieces 1200405 023516-9 9 pieces
	f&w 1200407 023518 3 pieces 1200408 023518-9 9 pieces

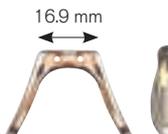
Silicone Nose Bridges, small

Hole center distance: 6 mm

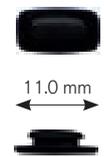
	f&w 1200413 024101 3 pieces Gold, for metal frames
	f&w 1200414 024110 3 pieces Silver, for metal frames

Silicone Nose Bridges, large

Hole center distance: 6 mm

	f&w 1200415 024201 3 pieces Gold, for metal frames
	f&w 1200416 024210 3 pieces Silver, for metal frames

"System 3" Silicone

	f&w 1092179 027911 20 pieces
	f&w 1310068 black 20 pieces
	f&w 1092180 027913 20 pieces
	f&w 1092181 027951 10 pairs cuneiform

"System 3 Dash M" Silicone

	f&w 1200485 027611 20 pieces
---	--

With modified, movable base for better comfort.

"System 3" TPE (Thermoplastic elastomer)

	f&w 1092182 027411 20 pieces
---	--



The suitable pad arm No. 1092673 is shown on page F 18.



Silicone Nose Pads and PVC Nose Pads, Medium Soft

Primadonna System Silicone

 9.0 mm	f&w	1200508 028009	20 pieces
 13.0 mm	f&w	1200251 021213	20 pieces
		1200252 021213-100	100 pieces
 14.5 mm	f&w	1200254 021215	10 pairs

Primadonna System PVC

 13.0 mm	f&w	1200256 021313	20 pieces
		1200257 021313-100	100 pieces

Air Titanium and Minimal Art Silicone

 8.0 mm	f&w	1200491 027908	20 pieces
		1200492 027908-100	100 pieces
 9.0 mm	f&w	1200495 027909	20 pieces
		1200496 027909-100	100 pieces
 9.5 mm	f&w	1200499 027910	20 pieces
		1200500 027910-100	100 pieces
		Greater stability due to inserted plastic pin.	
 12.0 mm	f&w	1200504 027912	20 pieces
 15.5 mm	f&w	1200506 027915	20 pieces
 11.0 mm		1200448 027011	10 pairs

Air Titanium and Minimal Art PVC

 9.5 mm	f&w	1200449 027109	20 pieces
 11.5 mm	f&w	1200450 027111	20 pieces

PVC Nose Pads, Medium Soft, with Plastic Insert

Transparent, "Push-in" System		Transparent, "Screw-in" System			
	f&w 1200455 027213	20 pieces		f&w 1200471 027313	20 pieces
13.0 mm	1083543 027213-100	100 pieces	13.0 mm	1083544 027313-100	100 pieces
	f&w 1200459 027215	10 pairs		f&w 1200475 027315	10 pairs
14.5 mm	1200460 027215-50	50 pairs	14.5 mm	1200476 027315-50	50 pairs
	f&w 1200463 027217	10 pairs		f&w 1200479 027317	10 pairs
17.0 mm	1200464 027217-50	50 pairs	17.0 mm	1200480 027317-50	50 pairs

PVC Nose Pads, Medium Soft, with Metal Insert

Transparent, Silver, "Push-in" System		Transparent, Gold, "Screw-in" System			
	1084087 023015	20 pieces		1200435 025615	20 pieces
15.0 mm			15.0 mm		
	1080755 025512	20 pieces		1080757 025515	20 pieces
12.0 mm			15.0 mm		
	1200434 025517	20 pieces			
			17.5 mm		



 TIPS & TRICKS

SILICONE NOSE PADS MINIFITS

Non Slipping Plastic Frames

Silicone Pads Minifits

No. 1200400

Ruler

No. 1202795

Universal Pen

No. 1203040

Tool Holder

No. 1202592

Spiral Drill, HSS

No. 1202526

Marking Tool

No. 1308496



approx. 15 minutes

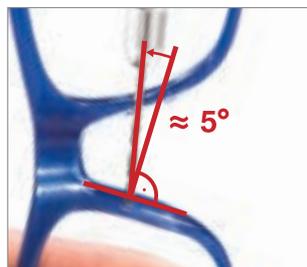
This is how it works

Option 1: Mark

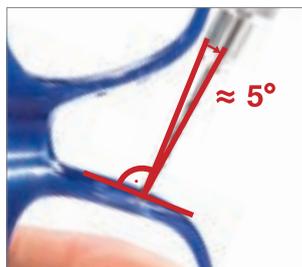
1 MARK POSITION



2 DRILL 1ST HOLE



3 DRILL 2ND HOLE



4 MOUNT THE MINIFITS



5 DONE



Option 2: Scribe | Repeat step 2-5



 YouTube



Polycarbonate Pads, Hard

 Ultra slim, especially transparent and light, "Push-in" System

		1200427 025322	20 pieces
12.0 mm			
			

 Ultra slim, especially transparent and light, "Screw-in" System

		1200431 025422	20 pieces
12.0 mm			
			

 Especially transparent and light, "Push-in" System

	f&w	1200424 025312	20 pieces
13.0 mm			

 Especially transparent and light, "Screw-in" System

	f&w	1200428 025412	20 pieces
13.0 mm			

Special Nose Pads and Nose Bridges

Nose Pads for Special Applications

		1200231 020107	20 pieces
7.0 mm		PVC	To be clipped
			

	f&w	1200447 026714	10 pieces
14.0 mm		Silicone	Pocket system
			

		1200486 027701	3 pairs
19.0 mm		Silicone	To be clipped on vertically
			

	f&w	1200400 023201	10 pieces
14.0 mm	Minifit	Silicone	Support
			

Nose Pads for ic! berlin Frames

	ic! berlin <small>Style. Made in Germany.</small>	1200444 026401	4 pieces
14.0 mm		Thermo-plastic elastomer	To be clipped on vertically
			

	ic! berlin <small>Style. Made in Germany.</small>	1200445 026402	4 pieces
14.0 mm		Thermo-plastic elastomer	To be clipped on vertically
			

	ic! berlin <small>Style. Made in Germany.</small>	1200446 026403	4 pieces
14.0 mm		Thermo-plastic elastomer	To be clipped on vertically
			

Nose Pad Components

Asymmetric nose pad component adhering to plastic frames. Can be used with e.g. Acetone No. 1203923.

Contents: 6 pairs

1200443
026300 | 19 x 8 mm | 0.8 > 2.0 mm



0.8 > 2.0 mm

Special Nose Pads



Logic® Silicone, soft, Symmetrical, "Screw-in" and "Push-in" System

	Logic®	1308517		20 pieces
13.0 mm		1308518		100 pieces
	Logic®	1308519		20 pieces
15.0 mm		1308520		100 pieces
	Logic®	1309827		20 pieces
17.0 mm		1309828		100 pieces

Logic® Soft PVC, medium soft, Symmetrical, "Screw-in" and "Push-in" System

	Logic®	1309901		20 pieces
13.0 mm		1309902		100 pieces
	Logic®	1309903		20 pieces
15.0 mm		1309904		100 pieces
	Logic®	1309905		20 pieces
17.0 mm		1309906		100 pieces

Logic® TR90, hard, Symmetrical, "Screw-in" and "Push-in" System

	Logic®	1309811		20 pieces
13.0 mm		1309812		100 pieces
	Logic®	1309813		20 pieces
15.0 mm		1309814		100 pieces

Nose Pads for Ray Ban Frames

	1096012 024312	Silicone	With adjustable flaps	10 pieces		1200417 024302	Soft-PVC	With adjustable flaps	10 pieces
15.0 mm					15.0 mm				
	1200420 024313	Silicone	With adjustable flaps	10 pieces		1200418 024303	Soft-PVC	With adjustable flaps	10 pieces
15.0 mm					15.0 mm				

Hypo-allergenic Special Nose Pads

	Titanium, hypo-allergenic, "Push-in" System		
	f&w	1200232 020301	4 pieces
13.0 mm		Gun polished	
	f&w	1200233 020302	4 pieces
13.0 mm		Gun matte	
		1200234 020311	4 pieces
13.0 mm		Gold polished	
		1200235 020312	4 pieces
13.0 mm		Gold matte	
		1200236 020321	4 pieces
13.0 mm		Rose gold polished	
		1200237 020322	4 pieces
13.0 mm		Rose gold matte	
		1200238 020331	4 pieces
13.0 mm		Black polished	
		1200239 020332	4 pieces
13.0 mm		Black matte	

	Titanium, hypo-allergenic, "Screw-in" System		
	f&w	1200240 020401	4 pieces
13.0 mm		Gun polished	
	f&w	1200241 020402	4 pieces
13.0 mm		Gun matte	
		1200242 020411	4 pieces
13.0 mm		Gold polished	
		1200243 020412	4 pieces
13.0 mm		Gold matte	
		1200244 020421	4 pieces
13.0 mm		Rose gold polished	
		1200245 020422	4 pieces
13.0 mm		Rose gold matte	
		1200246 020431	4 pieces
13.0 mm		Black polished	
		1200247 020432	4 pieces
13.0 mm		Black matte	

	PCTG, hypo-allergenic, "Push-in" System		
		1211511 029413	20 pieces
13.0 mm		PCTG – Polyethylenterephthalat Glycol	
		1211512 029415	20 pieces
15.0 mm		PCTG – Polyethylenterephthalat Glycol	

	PCTG, hypo-allergenic, "Screw-in" System		
		1211513 029513	20 pieces
13.0 mm		PCTG – Polyethylenterephthalat Glycol	
		1211514 029515	20 pieces
15.0 mm		PCTG – Polyethylenterephthalat Glycol	

Special Nose Pad

	Silicone with Titanium Screw Holder, hypo-allergenic, "Screw-in" System		
		1200442 025901	4 pieces
13.0 mm			
			


TIPS & TRICKS
SELF-ADHESIVE NOSE PAD CUSHION
One Cushion, 2 Options
Nose Pad Cushion Assortment

No. 1094751

or separately:

Self-adhesive Nose Pad Cushion

No. 1094752, -53, -54, 1307646



5 minutes


This is how it works
Option 1: Cut off
1 CLEAN THE FRAME

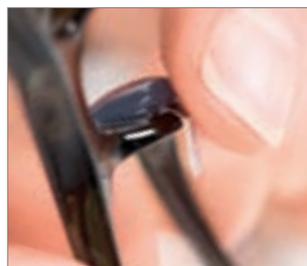
2 REMOVE HALF OF THE FOIL

3 STICK ON

4 CUT OFF

5 DONE

Option 2: Fold back | Repeat step 1-3
4 REMOVE THE FOIL

5 FOLD BACK THE FLAP

6 DONE


 YouTube


Nose Pad Cushion

Self-adhesive **silicone foil**
 Width: 7 mm each
Contents: 10 pairs

Transparent

1094752 075801	Size S		
1094753 075802	Size M		
1094754 075803	Size L		

Black

1307646	Size S		
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Nose Pad Cushion Assortment

Contents: 10 pairs each No. 1094752; 1094753 and 1094754

1094751  30 pairs
 075850

 Due to deposits (cosmetics/skin oil) we recommend replacing after approx. 3 to 4 weeks.



Nose Pad Cushion

Self-adhesive **silicone foil**.
Contents: 20 pieces

Transparent

1201052 074813		
1201053 074815		
1201054 074817		
1201055 074819		
1201056 074823		
1201057 074825		
1201058 074827		
1201059 074829		

Black

1307754		
----------------	---	--



Almost invisible



Nose Pad Cushion Assortment

Contents: 20 pieces each No. 1201052; 1201053; 1201054 and 1201055

1201061  80 pieces
 074850

Nose Pad Cushion Assortment

Contents: 20 pieces each No. 1201056; 1201057; 1201058 and 1201059

1201062  80 pieces
 074851



TIPS & TRICKS

NOSE PAD ARMS FOR PLASTIC FRAMES

Improve Comfort!

Mounting Set

No. 1200550

or separately:

Nose Pad Arms, Beta-titanium

used for example: No. 1200540

Mounting Tool

No. 1200539

Spiral Drill, HSS

No. 1202525

Plastic Pad

No. 1200424

Pad Screws

No. 1201469

Tool Holder

No. 1202595

Universal Pen

No. 1203040



15

15 minutes

This is how it works

1 CUTTING



2 POLISHING



3 MARKING



4 DRILLING



5 CLAMPING



6 PUSHING



7 INSERTING THE NOSE PADS



8 DONE



 YouTube





Plastic frames for everyone

The high-quality side bar supports, made in Japan of beta titanium, improve the wearing comfort of a plastic frame that does not fit perfectly, it can be anatomically adapted at any time. Due to their graceful shape, as well as the various colour and size options, they are inconspicuous and enhance any plastic frame.

Beta Titanium

- Attaches through one point system
- One drill hole required
- Simply pushes in
- Matching drill: No. 1202525



"Push-in" System

1200540-49

2 pairs

Size S 10 mm		Size L 12 mm		Size XL 16 mm	
Order No.	Colour	Order No.	Colour	Order No.	Colour
1200547 030421	Silver	1200540 030401	Silver	1200544 030411	Silver
1200548 030425	Black	1200541 030403	Brown	1200545 030415	Black
1200549 030426	Gold	1200542 030405	Black	1200546 030416	Gold
		1200543 030406	Gold		

"Screw-in" System

1200552-61

2 pairs

Size S 10 mm		Size L 12 mm		Size XL 16 mm	
Order No.	Colour	Order No.	Colour	Order No.	Colour
1200559 030521	Silver	1200552 030501	Silver	1200556 030511	Silver
1200560 030525	Black	1200553 030503	Brown	1200557 030515	Black
1200561 030526	Gold	1200554 030505	Black	1200558 030516	Gold
		1200555 030506	Gold		

Marking tool "APP"

The Accurate Point Positioner was developed to ensure precise and accurate drill point positioning for the plastic and beta titanium pad arms.

With the new version of the APP you can now perfectly adjust the drilling points in horizontal and vertical direction.

1200534
030310



Mounting Tool for Beta Titanium Nose Pad Arms

- For easy fitting of titanium nose pad arms
- Comfortable handling
- Enables work with pinpoint accuracy

1200539
030400



Mounting Set Nose Pad Arms Beta Titanium

- **Contents:** Tool for nose pad arms, 16 pairs nose pad arms, required drill (No. 1202525), matching nose pads (No. 1200334 and 1200361) and nose pad screws (No. 1201469)
- In practical box

1200550
030450

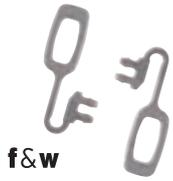
105 x 23.5 x 178 mm



The matching screws No. 1201469, 1201471 and 1201474 (total length 4.0 mm; thread size 1.0 mm) are shown on page F 22.



Nose Pad Arms for Plastic Frames



f&w

Type/Use:
"System 3" and "System 3 Dash M"
Colour: Silver

1200564
030701

5 pairs

Nose Pad Arm Bridges for Plastic Frames



- "Push-in" System
- Mounting through two parallel drilled holes with 1.0 mm diameter
- Distance between drilled holes: 12 mm
- Fixation through 2 pin connection
- Colour: Silver

1200563
030602

2 pieces



- "Screw-in" System
- Mounting through two parallel drilled holes with 1.0 mm diameter
- Distance between drilled holes: 12 mm
- Fixation through 2 pin connection
- Colour: Silver

1200562
030601

2 pieces

Nose Pad Arms for Metal Frames



Type/Use:
Universal application
Colour: Silver

1200512
028801

10 pieces



Type/Use:
Universal application
Colour: Gold

1200513
028802

10 pieces



Type/Use:
Universal application
Colour: Silver

1200509
028701

5 pairs



Type/Use:
Universal application
Colour: Gold

1200510
028702

5 pairs



f&w

Type/Use:
Universal application
Colour: Silver

1200519
028901

10 pieces



f&w

Type/Use:
"System 3" and "System 3 Dash M"
Colour: Silver

1092673
027601

10 pieces



The suitable nose pads "System 3" and "System 3 Dash M" are shown on page F 7.



The B&S Screw Range:

- Extensive selection
- For all applications
- Easy to find. Simple to order



Ordering in 3 Steps

OPTION

A Ascending thread size

F 22–F 30

1. Select the thread size (Option A)
2. Select the screws type
3. Select the colour

OPTION

B Screws for special applications

F 32–F 43

1. Select your special screw (Option B)
2. Select the size
3. Select the colour

Icons makes your selection easy

Screws for:



Nose pads



Rim joints



Hinges



Rimless frames

Shapes:



Slotted screw



Phillips screw



Phillips/slotted combination



Star nut



Hexagon screw/nut



Torx screw

Measurements:



Screw securer



Thread size



Head diameter



Total length



Diameter



Inner diameter



Outer diameter

OPTION A

Thread Size – assorted

0.8–1.0 mm	F 22
1.1 mm	F 22
1.2 mm	F 23–F 24
1.3 mm	F 24–F 25
1.4 mm	F 25–F 28
1.5 mm	F 29
1.8 mm	F 30

OPTION B

Special Screws

4-in-1 Screws	F 32–F 33
Rimless Frames Screws	F 34
Screws for Ray Ban Frames	F 35
Screws for Plastic Hinges	F 36
Spring Hinge Screws	F 36–F 37
Spring Hinge Screws with blue Screw Securer	F 38
Hilco Logic® Screws	F 39
Screws with transparent Nylon Securer	F 40
Temple Screws	F 40
Screws with black Screw Securer	F 41
Screws with blue Tuflock Securer	F 41

And much more

Assortments	F 42–F 43
Nuts	F 44–F 45
Washers	F 45–F 46
Sleeves	F 48–F 49



Screws ascending Thread Size



Thread Size 0.8 mm

		Function	Screw head	Material	Colour			Order No.		Matching nut
				German Silver	Silver	3.70	1.30	1201177 080510	100 pieces	-



Thread Size 1.0 mm

		Function	Screw head	Material	Colour			Order No.		Matching nut
				Steel	Silver	3.80	1.80	1201389 086501	100 pieces	-
				Steel	Gold	3.80	1.80	1201390 086510	100 pieces	-
				German Silver	Silver	4.00	1.20	1201189 081500	100 pieces	-
				German Silver	Silver	4.00	1.40	1201469 089600	100 pieces	-
				German Silver	Gold	4.00	1.40	1201473 089610	100 pieces	-
				German Silver	Gun	4.00	1.40	1201474 089620	100 pieces	-
				German Silver	Silver	4.00	1.40	1201471 089600TL	50 pieces	-
				Steel	Silver	4.45	1.40	1201178 080700	100 pieces	-
				Steel	Silver	4.50	1.80	1201459 088900	100 pieces	-
				Steel	Silver	5.80/ 2.80	1.40	1201247 081905	100 pieces	-
				Steel	Silver	5.80/ 2.80	1.40	1201248 081905TL	50 pieces	-
				Steel	Gold	5.80/ 2.80	1.40	1201264 081915	100 pieces	-
				Steel	Gold	5.80/ 2.80	1.40	1201265 081915TL	50 pieces	-
				Steel	Silver	12.80/ 2.80	1.40	1201190 0816000	50 pieces	-
				Steel	Gun	12.80/ 2.80	1.40	1201218 0816200	50 pieces	-



Thread Size 1.1 mm

		Function	Screw head	Material	Colour			Order No.		Matching nut
				German Silver	Silver	4.20	1.30	1201173 080300	100 pieces	-



Screw securer

Screws ascending Thread Size



Thread Size 1.2 mm

		Function	Screw head	Material	Colour			Order No.		Matching nut
				Steel	Silver	1.30	1.80	1201172 080100	100 pieces	-
				Steel	Silver	2.60	1.60	1201377 086040	100 pieces	-
				Steel	Silver	3.20	1.60	1201353 085300	100 pieces	-
				Steel	Silver	3.40	1.60	1201419 088200	100 pieces	-
				Steel	Silver	4.00	1.40	1201472 089601	100 pieces	-
				Steel	Silver	4.70	1.60	1201405 087100	100 pieces	-
				German Silver	Silver	4.80	1.60	1201235 081800	100 pieces	-
				Steel	Silver	5.90/ 3.50	2.00	1201243 081903	100 pieces	-
				Steel	Silver	5.90/ 3.50	2.00	1201244 081903TL	50 pieces	-
				Steel	Gold	5.90/ 3.50	2.00	1201260 081913	100 pieces	-
				Steel	Gold	5.90/ 3.50	2.00	1201261 081913TL	50 pieces	-
				Steel	Gun	5.90/ 3.50	2.00	1201272 081923	100 pieces	-
				Steel	Gun	5.90/ 3.50	2.00	1201273 081923TL	50 pieces	-
				Steel	Silver	7.00	2.00	1201421 088300	100 pieces	-
				Steel	Silver	7.00/ 4.00	2.00	1201253 081908	100 pieces	-
				Steel	Silver	7.50/ 4.50	2.00	1201254 081909	100 pieces	-
				Steel	Silver	10.00	2.40	1201425 088500	100 pieces	-
				Steel	Silver	11.60	2.00	1094234 088800	25 pieces	-
				German Silver	Silver	12.00	1.80	1201295 083100	100 pieces	1201277 082201TL
				Brass	Gold	12.00	1.80	1201296 083110	100 pieces	1201279 082202TL
				Brass	Gun	12.00	1.80	1201297 083120	100 pieces	1201280 082203
				German Silver	Silver	12.00	2.50	1201319 084101	100 pieces	1201277 082201TL
				German Silver	Gold	12.00	2.50	1201321 084111	100 pieces	1201279 082202TL
				Steel	Silver	12.60	2.20	1201367 085800	100 pieces	1201277 082201TL



Screws ascending Thread Size



Thread Size 1.2 mm

		Function	Screw head	Material	Colour			Order No.		Matching nut
				Steel	Gold	12.60	2.20	1201369 085810	100 pieces	1201279 082202TL
				Steel	Silver	14.80/ 4.80	1.80	1201191 0816001	50 pieces	-
				Steel	Gold	14.80/ 4.80	1.80	1201207 0816101	50 pieces	-
				Steel	Gun	14.80/ 4.80	1.80	1201219 0816201	50 pieces	-
				German Silver	Silver	15.00	1.80	1201333 084300	100 pieces	1201277 082201TL
				Steel	Silver	15.50/ 5.50	1.80	1201202 0816012	50 pieces	-



Thread Size 1.3 mm

		Function	Screw head	Material	Colour			Order No.		Matching nut
				Steel	Silver	3.50	1.70	1201416 088000	100 pieces	-
				Steel	Gold	3.50	1.70	1201417 088010	100 pieces	-
				German Silver	Silver	5.30	1.70	1201175 080400	100 pieces	-
				Steel	Silver	6.50/ 3.50	2.00	1201249 081906	100 pieces	-
				Steel	Silver	6.50/ 3.50	2.00	1201250 081906TL	50 pieces	-
				Steel	Gold	6.50/ 3.50	2.00	1201266 081916	100 pieces	-
				Steel	Gold	6.50/ 3.50	2.00	1201267 081916TL	50 pieces	-
				Steel	Silver	7.00	1.80	1201382 086100	100 pieces	-
				German Silver	Silver	8.00	2.80	1201341 084800	100 pieces	-
				Steel	Silver	11.50	1.80	1201383 086101	50 pieces	-
				Steel	Gold	11.50	1.80	1201384 086111	50 pieces	-
				Steel	Silver	11.60	2.00	1094235 088801	25 pieces	-
				Steel	Gold	11.60	2.00	1094241 088811	25 pieces	-



Screw securer

Screws ascending Thread Size



Thread Size 1.3 mm

		Function	Screw head	Material	Colour			Order No.		Matching nut
				Steel	Black	11.60	2.00	1094247 088821	25 pieces	-
				Steel	Silver	14.80/ 4.80	1.80	1201192 0816002	50 pieces	-
				Steel	Gold	14.80/ 4.80	1.80	1201208 0816102	50 pieces	-
				Steel	Gun	14.80/ 4.80	1.80	1201220 0816202	50 pieces	-



Thread Size 1.4 mm

		Function	Screw head	Material	Colour			Order No.		Matching nut
				Steel	Silver	2.80	1.80	1201347 085101	100 pieces	-
				Steel	Silver	3.00	2.00	1201180 081100	50 pieces	-
				Steel	Silver	3.10	2.00	1201410 087400	100 pieces	-
				Steel	Silver	3.30	2.00	1201401 086901	100 pieces	-
				Steel	Silver	3.40	1.80	1201348 085102	100 pieces	-
				Steel	Silver	3.45	2.00	1201356 085400	100 pieces	-
				Steel	Silver	3.50	2.00	1201181 081101	50 pieces	-
				Steel	Silver	3.60	2.00	1201422 088400	100 pieces	-
				Steel	Silver	3.70	2.00	1201402 086902	100 pieces	-
				Steel	Silver	3.90	2.00	1201400 086900	100 pieces	-
				Steel	Silver	3.90	1.80	1201406 087200	100 pieces	-
				Steel	Gold	3.90	1.80	1201407 087210	100 pieces	-
				Steel	Gun	3.90	1.80	1201408 087220	100 pieces	-
				Steel	Silver	4.00	1.80	1201349 085103	100 pieces	-
				Steel	Silver	4.00	2.00	1201411 087600	100 pieces	-
				Steel	Silver	4.00	2.00	1201182 081102	50 pieces	-

Screws ascending Thread Size



Thread Size 1.4 mm

		Function	Screw head	Material	Colour			Order No.		Matching nut
				Steel	Silver	4.10	1.80	1201378 086055	100 pieces	-
				German Silver	Silver	4.20	1.80	1201188 081400	200 pieces	-
				Steel	Silver	4.20	1.80	1201412 087601	100 pieces	-
				Steel	Silver	4.20	2.00	1201403 086903	100 pieces	-
				Steel	Silver	4.30	1.80	1201346 085100	100 pieces	-
				Steel	Silver	4.30	2.00	1201394 086700	100 pieces	-
				Steel	Gold	4.30	2.00	1201399 086800	100 pieces	-
				Steel	Silver	4.40	1.80	1201409 087300	100 pieces	-
				Steel	Silver	4.50	2.00	1201183 081103	50 pieces	-
				Steel	Silver	4.70	2.00	1201424 088402	100 pieces	-
				German Silver	Silver	4.80	2.50	1201275 082100	100 pieces	-
				German Silver	Silver	5.00	1.80	1201274 082000	200 pieces	-
				Steel	Silver	5.20	1.80	1201373 086020	100 pieces	-
				German Silver	Silver	5.40	1.80	1201350 085200	100 pieces	-
				Steel	Silver	6.00	1.80	1201379 086058	100 pieces	-
				Steel	Silver	6.00	1.80	1201381 086058TL	50 pieces	-
				Steel	Silver	6.50	1.80	1201374 086030	100 pieces	-
				Steel	Silver	6.50	1.80	1201376 086030TL	50 pieces	-
				Steel	Silver	6.50	2.00	1201187 081300	100 pieces	-
				Steel	Silver	6.50/ 3.50	2.00	1201236 081900	100 pieces	-
				Steel	Silver	6.50/ 3.50	2.00	1201237 081900TL	50 pieces	-
				Steel	Silver	7.00/ 4.00	2.00	1201238 081901	100 pieces	-
				Steel	Silver	7.00/ 4.00	2.00	1201241 081901TL	50 pieces	-
				Steel	Silver	7.80/ 4.80	2.00	1201242 081902	100 pieces	-



Screw securer

Screws ascending Thread Size



Thread Size 1.4 mm

		Function	Screw head	Material	Colour			Order No.		Matching nut
				Steel	Gold	6.50/ 3.50	2.00	1201255 081910	100 pieces	-
				Steel	Gold	6.50/ 3.50	2.00	1201256 081910TL	50 pieces	-
				Steel	Gold	7.00/ 4.00	2.00	1201257 081911	100 pieces	-
				Steel	Gold	7.00/ 4.00	2.00	1201258 081911TL	50 pieces	-
				Steel	Gold	7.80/ 4.80	2.00	1201259 081912	100 pieces	-
				Steel	Gun	6.50/ 3.50	2.00	1201270 081920	100 pieces	-
				Steel	Gun	6.50/ 3.50	2.00	1201271 081920TL	50 pieces	-
				Steel for plastic hinges	Silver	7.80	2.00	1201357 085500	50 pieces	-
				German Silver	Silver	8.60	2.80	1201292 082810	100 pieces	-
				Steel	Silver	8.50/ 5.50	2.00	1201239 0819010	100 pieces	-
				Steel	Silver	9.50/ 6.50	2.00	1201240 0819011	100 pieces	-
				Steel	Silver	10.00	2.80	1201426 088501	100 pieces	-
				Steel	Silver	10.60/ 3.60	1.80	1201230 081700	100 pieces	-
				Steel	Gold	10.60/ 3.60	1.80	1201233 081710	100 pieces	-
				Steel	Gun	10.60/ 3.60	1.80	1201234 081720	100 pieces	-
				Steel for plastic hinges	Silver	10.80	2.00	1201358 085501	50 pieces	-
				German Silver	Silver	11.40	2.80	1201288 082411	100 pieces	1201284 082401TL
				Steel	Silver	11.50	1.80	1201385 086201	50 pieces	-
				Steel	Gold	11.50	1.80	1201386 086211	50 pieces	-
				Steel	Silver	11.60	2.00	1094236 088802	25 pieces	-
				Steel	Gold	11.60	2.00	1094242 088812	25 pieces	-
				Steel	Black	11.60	2.00	1094248 088822	25 pieces	-
				German Silver	Silver	12.00	2.50	1201318 084100	100 pieces	1201284 082401TL
				Brass	Gold	12.00	2.50	1201320 084110	100 pieces	1201286 082402TL



Screws ascending Thread Size



Thread Size 1.4 mm

		Function	Screw head	Material	Colour			Order No.		Matching nut
				German Silver	Gun	12.00	2.50	1201322 084120	100 pieces	1201287 082403
				Steel	Silver	12.60	2.20	1201368 085801	100 pieces	1201284 082401TL
				Steel	Gold	12.60	2.20	1201370 085811	100 pieces	1201286 082402TL
				Steel	Silver	13.00/ 3.00	1.80	1201193 0816003	50 pieces	-
				Steel	Gold	13.00/ 3.00	1.80	1201209 0816103	50 pieces	-
				Steel	Gun	13.00/ 3.00	1.80	1201221 0816203	50 pieces	-
				Steel	Silver	14.80/ 4.80	1.80	1201194 0816004	50 pieces	-
				Steel	Gold	14.80/ 4.80	1.80	1201210 0816104	50 pieces	-
				Steel	Gun	14.80/ 4.80	1.80	1201222 0816204	50 pieces	-
				Steel	Silver	13.50/ 3.50	2.00	1201197 0816007	50 pieces	-
				Steel	Gun	13.50/ 3.50	2.00	1201225 0816207	50 pieces	-
				Steel	Silver	14.00/ 4.00	2.00	1201198 0816008	50 pieces	-
				Steel	Gold	14.00/ 4.00	2.00	1201214 0816108	50 pieces	-
				Steel	Gun	14.00/ 4.00	2.00	1201226 0816208	50 pieces	-
				Steel	Silver	14.80/ 4.80	2.00	1201199 0816009	50 pieces	-
				Steel	Gold	14.80/ 4.80	2.00	1201215 0816109	50 pieces	-
				Steel	Gun	14.80/ 4.80	2.00	1201227 0816209	50 pieces	-
				German Silver	Silver	15.00	1.80	1201334 084301	100 pieces	1201284 082401TL
				Steel	Silver	15.50/ 5.50	2.00	1201203 0816013	50 pieces	-



Screw securer

Screws ascending Thread Size



Thread Size 1.5 mm

		Function	Screw head	Material	Colour			Order No.		Matching nut
				German Silver	Silver	5.00	1.80	1201340 084515	100 pieces	-
				Steel for plastic hinges	Silver	5.00	2.00	1201361 085504	50 pieces	-
				Steel	Silver	5.20	1.80	1201323 084200	100 pieces	-
				Steel	Silver	5.20	1.80	1201325 084200TL	50 pieces	-
				Steel	Silver	6.50/ 3.50	2.00	1201251 081907	100 pieces	-
				Steel	Silver	6.50/ 3.50	2.00	1201252 081907TL	50 pieces	-
				Steel	Gold	6.50/ 3.50	2.00	1201268 081917	100 pieces	-
				Steel	Gold	6.50/ 3.50	2.00	1201269 081917TL	50 pieces	-
				German Silver	Silver	10.00	2.80	1201291 082700	100 pieces	-
				Steel	Silver	11.50	1.80	1201387 086301	50 pieces	-
				Steel	Gold	11.50	1.80	1201388 086311	50 pieces	-
				Steel	Silver	11.60	2.00	1094237 088803	25 pieces	-
				Steel	Black	11.60	2.00	1094249 088823	25 pieces	-
				Steel	Silver	14.00/ 4.00	1.80	1201195 0816005	50 pieces	-
				Steel	Gold	14.00/ 4.00	1.80	1201211 0816105	50 pieces	-
				Steel	Silver	14.80/ 4.80	1.80	1201196 0816006	50 pieces	-
				Steel	Gold	14.80/ 4.80	1.80	1201212 0816106	50 pieces	-
				Steel	Gun	14.80/ 4.80	1.80	1201224 0816206	50 pieces	-
				Steel	Silver	14.00/ 4.00	2.00	1201200 0816010	50 pieces	-
				Steel	Gold	14.00/ 4.00	2.00	1201216 0816110	50 pieces	-
				Steel	Silver	14.80/ 4.80	2.00	1201201 0816011	50 pieces	-
				Steel	Gold	14.80/ 4.80	2.00	1201217 0816111	50 pieces	-
				Steel	Gun	14.80/ 4.80	2.00	1201229 0816211	50 pieces	-



Screws ascending Thread Size



Thread Size 1.6 mm

		Function	Screw head	Material	Colour			Order No.		Matching nut
				Steel	Silver	3.50	2.50	1201184 081104	50 pieces	-
				Steel for plastic hinges	Silver	4.00	2.50	1201363 085506	50 pieces	-
				Steel	Silver	4.00	2.50	1201185 081105	50 pieces	-
				Steel	Silver	4.60	2.50	1201186 081106	50 pieces	-
				Steel	Silver	5.20	1.80	1201326 084201	100 pieces	-
				Steel	Silver	5.20	1.80	1201328 084201TL	50 pieces	-
				Steel	Silver	6.50/ 3.50	2.00	1201245 081904	100 pieces	-
				Steel	Silver	6.50/ 3.50	2.00	1201246 081904TL	50 pieces	-
				Steel	Gold	6.50/ 3.50	2.00	1201262 081914	100 pieces	-
				German Silver	Silver	9.00	2.80	1201306 083710	100 pieces	-
				Steel	Silver	10.00	2.80	1201428 088503	100 pieces	-
				Steel	Silver	11.60	2.00	1094238 088804	25 pieces	-
				Steel	Black	11.60	2.00	1094250 088824	25 pieces	-



Thread Size 1.7 mm

		Function	Screw head	Material	Colour			Order No.		Matching nut
				German Silver	Silver	7.30	2.80	1201303 083400	100 pieces	-



Thread Size 1.8 mm

		Function	Screw head	Material	Colour			Order No.		Matching nut
				Steel	Black	11.60	2.00	1094251 088825	25 pieces	-



Screw securer

TIPS & TRICKS

Complete 4 jobs in 1!

4-in-1-Screw

used for example:
No. 1201227

Pro Screwdriver

No. 1202161

Screw Holder Tweezer

No. 1202156



approx. 3 minutes each

This is how it works

RIM JOINT

1 THREAD THE SCREW



2 TIGHTEN



3 SNAP OFF



HINGE

1 THREAD THE SCREW



2 TIGHTEN



3 SNAP OFF



4 DONE



 YouTube



Screw securer



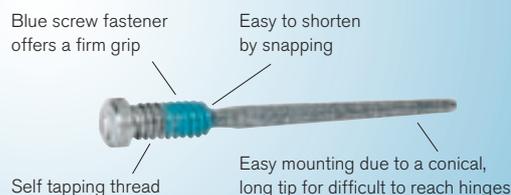
Special Screws

Complete 4 jobs in 1!

With the 4-in-1 screw fastening of sunken rim joints and spring hinges will be easier than ever before. The long conical shaped pin makes threading easier and can then be snapped off. Thanks to the self-cutting thread and screw securer no further action is needed.

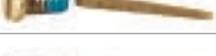


4-in-1 Screws



		Screw head	Material	Colour				Order No.		Matching nut
			Steel	Silver	1.00	12.80/ 2.80	1.40	1201190 0816000	50 pieces	-
			Steel	Gun	1.00	12.80/ 2.80	1.40	1201218 0816200	50 pieces	-
			Steel	Silver	1.20	14.80/ 4.80	1.80	1201191 0816001	50 pieces	-
			Steel	Gold	1.20	14.80/ 4.80	1.80	1201207 0816101	50 pieces	-
			Steel	Gun	1.20	14.80/ 4.80	1.80	1201219 0816201	50 pieces	-
			Steel	Silver	1.20	15.50/ 5.50	1.80	1201202 0816012	50 pieces	-
			Steel	Silver	1.30	14.80/ 4.80	1.80	1201192 0816002	50 pieces	-
			Steel	Gold	1.30	14.80/ 4.80	1.80	1201208 0816102	50 pieces	-
			Steel	Gun	1.30	14.80/ 4.80	1.80	1201220 0816202	50 pieces	-
			Steel	Silver	1.40	13.00/ 3.00	1.80	1201193 0816003	50 pieces	-
			Steel	Gold	1.40	13.00/ 3.00	1.80	1201209 0816103	50 pieces	-
			Steel	Gun	1.40	13.00/ 3.00	1.80	1201221 0816203	50 pieces	-
			Steel	Silver	1.40	14.80/ 4.80	1.80	1201194 0816004	50 pieces	-
			Steel	Gold	1.40	14.80/ 4.80	1.80	1201210 0816104	50 pieces	-
			Steel	Gun	1.40	14.80/ 4.80	1.80	1201222 0816204	50 pieces	-
			Steel	Silver	1.40	13.50/ 3.50	2.00	1201197 0816007	50 pieces	-
			Steel	Gun	1.40	13.50/ 3.50	2.00	1201225 0816207	50 pieces	-
			Steel	Silver	1.40	14.00/ 4.00	2.00	1201198 0816008	50 pieces	-

Special Screws

4-in-1 Screws										
		Screw head	Material	Colour				Order No.		Matching nut
			Steel	Gold	1.40	14.00/ 4.00	2.00	1201214 0816108	50 pieces	-
			Steel	Gun	1.40	14.00/ 4.00	2.00	1201226 0816208	50 pieces	-
			Steel	Silver	1.40	14.80/ 4.80	2.00	1201199 0816009	50 pieces	-
			Steel	Gold	1.40	14.80/ 4.80	2.00	1201215 0816109	50 pieces	-
			Steel	Gun	1.40	14.80/ 4.80	2.00	1201227 0816209	50 pieces	-
			Steel	Silver	1.40	15.50/ 5.50	2.00	1201203 0816013	50 pieces	-
			Steel	Silver	1.50	14.00/ 4.00	1.80	1201195 0816005	50 pieces	-
			Steel	Gold	1.50	14.00/ 4.00	1.80	1201211 0816105	50 pieces	-
			Steel	Silver	1.50	14.80/ 4.80	1.80	1201196 0816006	50 pieces	-
			Steel	Gold	1.50	14.80/ 4.80	1.80	1201212 0816106	50 pieces	-
			Steel	Gun	1.50	14.80/ 4.80	1.80	1201224 0816206	50 pieces	-
			Steel	Silver	1.50	14.00/ 4.00	2.00	1201200 0816010	50 pieces	-
			Steel	Gold	1.50	14.00/ 4.00	2.00	1201216 0816110	50 pieces	-
			Steel	Silver	1.50	14.80/ 4.80	2.00	1201201 0816011	50 pieces	-
			Steel	Gold	1.50	14.80/ 4.80	2.00	1201217 0816111	50 pieces	-
			Steel	Gun	1.50	14.80/ 4.80	2.00	1201229 0816211	50 pieces	-

 "Complete 4 jobs in 1!"
(see page F 31)

4-in-1 Screw Assortment

Contents: 7 different 4-in-1 screws (350 pieces)

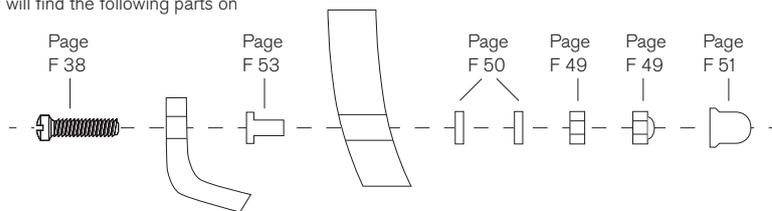
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Special Screws

Rimless Frame Screws

You will find the following parts on



		Screw head	Material	Colour				Order No.		Matching nut
			German Silver	Silver	1.20	12.00	1.80	1201295 083100	100 pieces	1201277 082201TL
			Brass	Gold	1.20	12.00	1.80	1201296 083110	100 pieces	1201279 082202TL
			Brass	Gun	1.20	12.00	1.80	1201297 083120	100 pieces	1201280 082203
			German Silver	Silver	1.20	12.00	2.50	1201319 084101	100 pieces	1201277 082201TL
			German Silver	Gold	1.20	12.00	2.50	1201321 084111	100 pieces	1201279 082202TL
			Steel	Silver	1.20	12.60	2.20	1201367 085800	100 pieces	1201277 082201TL
			Steel	Gold	1.20	12.60	2.20	1201369 085810	100 pieces	1201279 082202TL
			German Silver	Silver	1.20	15.00	1.80	1201333 084300	100 pieces	1201277 082201TL
			German Silver	Silver	1.40	12.00	2.50	1201318 084100	100 pieces	1201284 082401TL
			Brass	Gold	1.40	12.00	2.50	1201320 084110	100 pieces	1201286 082402TL
			German Silver	Gun	1.40	12.00	2.50	1201322 084120	100 pieces	1201287 082403
			Steel	Silver	1.40	12.60	2.20	1201368 085801	100 pieces	1201284 082401TL
			Steel	Gold	1.40	12.60	2.20	1201370 085811	100 pieces	1201286 082402TL
			German Silver	Silver	1.40	15.00	1.80	1201334 084301	100 pieces	1201284 082401TL



		Screw head	Material	Colour				Order No.		Matching nut
			Steel	Silver	1.20	3.40	1.60	1201419 088200	100 pieces	-
			Steel	Gold	1.20	3.40	1.60	1201420 088210	100 pieces	-
			Steel	Silver	1.20	7.00	2.00	1201421 088300	100 pieces	-
			Steel	Silver	1.30	3.50	1.70	1201416 088000	100 pieces	-
			Steel	Gold	1.30	3.50	1.70	1201417 088010	100 pieces	-
			Steel	Silver	1.40	3.60	2.00	1201422 088400	100 pieces	-
			Steel	Silver	1.40	4.40	2.00	1201423 088401	100 pieces	-
			Steel	Silver	1.40	4.70	2.00	1201424 088402	100 pieces	-
			Steel	Silver	1.60	4.00	2.50	1201185 081105	50 pieces	-
			Steel	Silver	1.60	4.60	2.50	1201186 081106	50 pieces	-



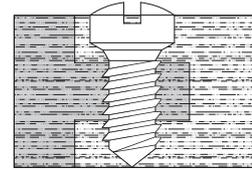
Special Screws

Screws for Plastic Hinges

Made of steel, available colours: silver and gun



Coarse thread especially for plastic



		Screw head	Material	Colour				Order No.		Matching nut
			Steel	Silver	1.40	7.80	2.00	1201357 085500	50 pieces	-
			Steel	Silver	1.40	10.80	2.00	1201358 085501	50 pieces	-
			Steel	Silver	1.50	5.00	2.00	1201361 085504	50 pieces	-

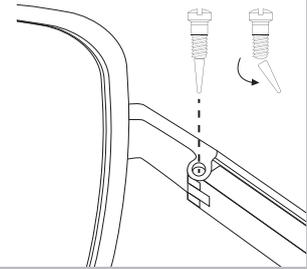
Spring Hinge Screws

Made of steel, available colours: silver, gold and gun



Easy to shorten by snapping

Simple to mount due to a conical tip



		Screw head	Material	Colour				Order No.		Matching nut
			Steel	Silver	1.00	5.80/ 2.80	1.40	1201247 081905	100 pieces	-
			Steel	Gold	1.00	5.80/ 2.80	1.40	1201264 081915	100 pieces	-
			Steel	Silver	1.20	5.90/ 3.50	2.00	1201243 081903	100 pieces	-
			Steel	Gold	1.20	5.90/ 3.50	2.00	1201260 081913	100 pieces	-

Spring Hinge Screws											
		Screw head	Material	Colour				Order No.		Matching nut	
			Steel	Gun	1.20	5.90/ 3.50	2.00	1201272 081923	100 pieces	-	
			Steel	Silver	1.20	7.00/ 4.00	2.00	1201253 081908	100 pieces	-	
			Steel	Silver	1.20	7.50/ 4.50	2.00	1201254 081909	100 pieces	-	
			Steel	Silver	1.30	6.50/ 3.50	2.00	1201249 081906	100 pieces	-	
			Steel	Gold	1.30	6.50/ 3.50	2.00	1201266 081916	100 pieces	-	
			Steel	Silver	1.40	6.50/ 3.50	2.00	1201236 081900	100 pieces	-	
			Steel	Silver	1.40	7.00/ 4.00	2.00	1201238 081901	100 pieces	-	
			Steel	Silver	1.40	7.80/ 4.80	2.00	1201242 081902	100 pieces	-	
			Steel	Gold	1.40	6.50/ 3.50	2.00	1201255 081910	100 pieces	-	
			Steel	Gold	1.40	7.00/ 4.00	2.00	1201257 081911	100 pieces	-	
			Steel	Gold	1.40	7.80/ 4.80	2.00	1201259 081912	100 pieces	-	
			Steel	Gun	1.40	6.50/ 3.50	2.00	1201270 081920	100 pieces	-	
			Steel	Silver	1.40	8.50/ 5.50	2.00	1201239 0819010	100 pieces	-	
			Steel	Silver	1.40	9.50/ 6.50	2.00	1201240 0819011	100 pieces	-	
			Steel	Silver	1.40	10.60/ 3.60	1.80	1201230 081700	100 pieces	-	
			Steel	Gold	1.40	10.60/ 3.60	1.80	1201233 081710	100 pieces	-	
			Steel	Gun	1.40	10.60/ 3.60/	1.80	1201234 081720	100 pieces	-	
			Steel	Silver	1.50	6.50/ 3.50	2.00	1201251 081907	100 pieces	-	
			Steel	Gold	1.50	6.50/ 3.50	2.00	1201268 081917	100 pieces	-	
			Steel	Silver	1.60	6.50/ 3.50	2.00	1201245 081904	100 pieces	-	
			Steel	Gold	1.60	6.50/ 3.50	2.00	1201262 081914	100 pieces	-	



Special Screws

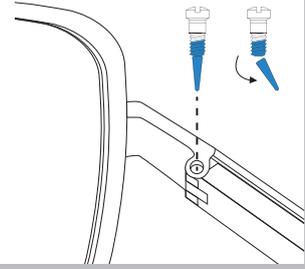
Spring Hinge Screws with blue Screw Securer

Made of steel, available colours: silver, gold and gun

Simple to mount due to a conical tip

Blue screw securer offers a firm grip

Easy to shorten by snapping



		Screw head	Material	Colour				Order No.		Matching nut
			Steel	Silver	1.00	5.80/ 2.80	1.40	1201248 081905TL	50 pieces	-
			Steel	Gold	1.00	5.80/ 2.80	1.40	1201265 081915TL	50 pieces	-
			Steel	Silver	1.20	5.90/ 3.50	2.00	1201244 081903TL	50 pieces	-
			Steel	Gold	1.20	5.90/ 3.50	2.00	1201261 081913TL	50 pieces	-
			Steel	Gun	1.20	5.90/ 3.50	2.00	1201273 081923TL	50 pieces	-
			Steel	Silver	1.30	6.50/ 3.50	2.00	1201250 081906TL	50 pieces	-
			Steel	Gold	1.30	6.50/ 3.50	2.00	1201267 081916TL	50 pieces	-
			Steel	Silver	1.40	6.50/ 3.50	2.00	1201237 081900TL	50 pieces	-
			Steel	Silver	1.40	7.00/ 4.00	2.00	1201241 081901TL	50 pieces	-
			Steel	Gold	1.40	6.50/ 3.50	2.00	1201256 081910TL	50 pieces	-
			Steel	Gold	1.40	7.00/ 4.00	2.00	1201258 081911TL	50 pieces	-
			Steel	Gun	1.40	6.50/ 3.50	2.00	1201271 081920TL	50 pieces	-
			Steel	Silver	1.50	6.50/ 3.50	2.00	1201252 081907TL	50 pieces	-
			Steel	Gold	1.50	6.50/ 3.50	2.00	1201269 081917TL	50 pieces	-
			Steel	Silver	1.60	6.50/ 3.50	2.00	1201246 081904TL	50 pieces	-
			Steel	Gold	1.60	6.50/ 3.50	2.00	1201263 081914TL	50 pieces	-

Special Screws

Hilco Logic® Screws

In 1998 Hilco simplified eyewear repair with the Logic® nose pad.

10,000 customers and 10 million pads later, we've brought Logic® to the optical screw.

The Logic® screw system contains just 6 eyewire/hinge screws in various diameters that replace every other screw type in your inventory, including spring hinge and self-tapping.

- Reduces inventory by 80 %
- Breaks clean at the right length
- Perfect for spring hinges and lens insertion
- With Tight Bond™ screw securer



		Screw head	Material	Colour				Order No.		Matching nut
			Steel	Silver	1.20	11.60	2.00	1094234 088800	25 pieces	-
			Steel	Silver	1.30	11.60	2.00	1094235 088801	25 pieces	-
			Steel	Gold	1.30	11.60	2.00	1094241 088811	25 pieces	-
			Steel	Black	1.30	11.60	2.00	1094247 088821	25 pieces	-
			Steel	Silver	1.40	11.60	2.00	1094236 088802	25 pieces	-
			Steel	Gold	1.40	11.60	2.00	1094242 088812	25 pieces	-
			Steel	Black	1.40	11.60	2.00	1094248 088822	25 pieces	-
			Steel	Silver	1.50	11.60	2.00	1094237 088803	25 pieces	-
			Steel	Black	1.50	11.60	2.00	1094249 088823	25 pieces	-
			Steel	Silver	1.60	11.60	2.00	1094238 088804	25 pieces	-
			Steel	Black	1.60	11.60	2.00	1094250 088824	25 pieces	-
			Steel	Black	1.80	11.60	2.00	1094251 088825	25 pieces	-

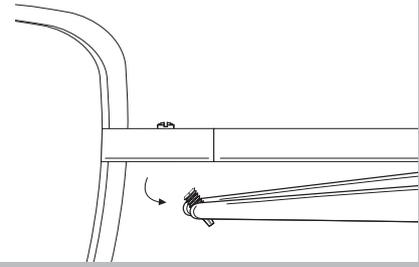
Special Screws

Screws with transparent Nylon Securer

Made of steel, available colours: silver and gold

Transparent nylon inlay

Self tapping thread

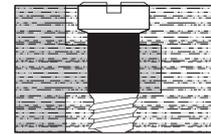


		Screw head	Material	Colour				Order No.		Matching nut
			Steel	Silver	1.30	11.50	1.80	1201383 086101	50 pieces	-
			Steel	Gold	1.30	11.50	1.80	1201384 086111	50 pieces	-
			Steel	Silver	1.40	11.50	1.80	1201385 086201	50 pieces	-
			Steel	Gold	1.40	11.50	1.80	1201386 086211	50 pieces	-
			Steel	Silver	1.50	11.50	1.80	1201387 086301	50 pieces	-
			Steel	Gold	1.50	11.50	1.80	1201388 086311	50 pieces	-

Temple Screws

Made of steel, available in silver

The black nylon sleeve ensures a smooth movement of the temple



		Screw head	Material	Colour				Order No.		Matching nut
			Steel	Silver	1.40	3.00	2.00	1201180 081100	50 pieces	-
			Steel	Silver	1.40	3.50	2.00	1201181 081101	50 pieces	-
			Steel	Silver	1.40	4.00	2.00	1201182 081102	50 pieces	-
			Steel	Silver	1.40	4.50	2.00	1201183 081103	50 pieces	-
			Steel	Silver	1.60	3.50	2.50	1201184 081104	50 pieces	-
			Steel	Silver	1.60	4.00	2.50	1201185 081105	50 pieces	-
			Steel	Silver	1.60	4.60	2.50	1201186 081106	50 pieces	-

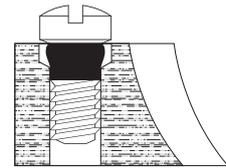
Special Screws

Screws with black Screw Securer

The black securing ring wedges to give a firm grip

Phillips/ slotted combination for a free screwdriver selection

Material: steel

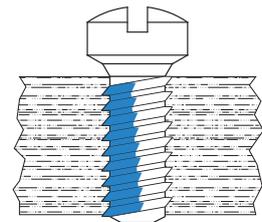


		Screw head	Material	Colour				Order No.		Matching nut
			Steel	Silver	1.40	2.80	1.80	1201347 085101	100 pieces	-
			Steel	Silver	1.40	3.30	2.00	1201401 086901	100 pieces	-
			Steel	Silver	1.40	3.40	1.80	1201348 085102	100 pieces	-
			Steel	Silver	1.40	3.70	2.00	1201402 086902	100 pieces	-
			Steel	Silver	1.40	3.90	2.00	1201400 086900	100 pieces	-
			Steel	Silver	1.40	4.00	1.80	1201349 085103	100 pieces	-
			Steel	Silver	1.40	4.20	2.00	1201403 086903	100 pieces	-
			Steel	Silver	1.40	4.30	1.80	1201346 085100	100 pieces	-

Screws with blue Tuflock Securer

Available in silver

Reusable due to Tuflock coating on thread of screw



		Screw head	Material	Colour				Order No.		Matching nut
			German Silver	Silver	1.00	4.00	1.40	1201471 089600TL	50 pieces	-
			Steel	Silver	1.40	6.00	1.80	1201381 086058TL	50 pieces	-
			Steel	Silver	1.40	6.50	1.80	1201376 086030TL	50 pieces	-
			Steel	Silver	1.50	5.20	1.80	1201325 084200TL	50 pieces	-
			Steel	Silver	1.60	5.20	1.80	1201328 084201TL	50 pieces	-



Screw Assortment

Contents: 28 different screws and nuts (2,900 pieces)

1201465
089016



Our small parts organiser boxes can be found on page G 11 and G 12.

You will receive all assortments with hinged boxes. We reserve the right to change the assortment.

Screw Assortment Gun-Coloured

Contents: 13 of the most used screws and nuts, altogether 1,300 pieces, 2 empty boxes

1201466
089017



Screw Assortment

In organiser box system No. 1201816 (see catalogue page G 12).

Contents: 7 of the most used screws and nuts, altogether 700 pieces,
1 empty box

1201464
089010



Rimless Frames Assortment

Contents: 12 of the most used screws, nuts, washers and sleeves
(1,300 pieces)

1201467
089018



You will receive all assortments with hinged boxes. We reserve the right to change the assortment.

Washers Assortment

Contents: 8 of the most used washers (950 pieces)

1201051
074550



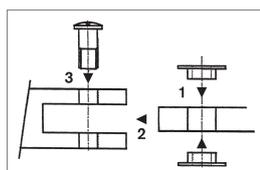
Nuts									
		Style	Material	Colour			Order No.		Matching nut driver
			German Silver	Silver	1.20	2.50	1201276 082201	100 pieces	1202342 174600
			German Silver	Silver	1.20	2.50	1201277 082201TL	100 pieces	1202342 174600
			Brass	Gold	1.20	2.50	1201278 082202	100 pieces	1202342 174600
			Brass	Gold	1.20	2.50	1201279 082202TL	100 pieces	1202342 174600
			German Silver	Gun	1.20	2.50	1201280 082203	100 pieces	1202342 174600
			German Silver	Silver	1.30	2.50	1201281 082301	100 pieces	1202342 174600
			German Silver	Gun	1.30	2.50	1201282 082303	100 pieces	1202342 174600
			German Silver	Silver	1.40	2.50	1201283 082401	100 pieces	1202342 174600
			German Silver	Silver	1.40	2.50	1201284 082401TL	100 pieces	1202342 174600
			Brass	Gold	1.40	2.50	1201285 082402	100 pieces	1202342 174600
			Brass	Gold	1.40	2.50	1201286 082402TL	100 pieces	1202342 174600
			German Silver	Gun	1.40	2.50	1201287 082403	100 pieces	1202342 174600
			German Silver	Silver	1.50	2.50	1201294 083001	100 pieces	1202342 174600
			German Silver	Silver	1.60	2.60	1201300 083301	100 pieces	1202350 176700

Dome Nuts									
		Style	Material	Colour			Order No.		Matching nut driver
			German Silver	Silver	1.20	2.20	1201312 083900	100 pieces	1202348 174900
			Brass	Gold	1.20	2.20	1201313 083910	100 pieces	1202348 174900
			German Silver	Gun	1.20	2.20	1201314 083920	100 pieces	1202348 174900
			Steel	Silver	1.20	2.40	1201298 083200	100 pieces	1202350 176700
			Steel	Gold	1.20	2.40	1201299 083210	100 pieces	1202350 176700
			German Silver	Silver	1.40	2.20	1201315 084000	100 pieces	1202348 174900
			Brass	Gold	1.40	2.20	1201316 084010	100 pieces	1202348 174900



Dome Nuts									
		Style	Material	Colour			Order No.		Matching nut driver
			German Silver	Gun	1.40	2.20	1201317 084020	100 pieces	1202348 174900
			Steel	Silver	1.40	2.40	1201307 083800	100 pieces	1202350 176700
			Steel	Gold	1.40	2.40	1201311 083810	100 pieces	1202350 176700

Special Washers for Titanium Temples									
		Schematic side view	Material	Colour			Order No.		
			Steel	Silver	1.20	2.80	1201027 074507	100 pieces	
			Steel	Silver	1.40	2.80	1201028 074508	100 pieces	



The washer prevents direct contact between the hinge and the temple rolls. Follow the 3 illustrated steps to assemble. First place the washers at the temple roll, then attach the temple to the hinge and then fasten the screw. The temples can then move freely and without friction.

Washers for Rimless Frames									
		Material	Colour			Order No.			
		German Silver for screws with conical heads	Silver	1.20	2.80	1201030 074510	100 pieces		
		Brass for screws with conical heads	Gold	1.20	2.80	1201031 074511	100 pieces		
		German Silver	Silver	1.20	2.50	1098816 074520	100 pieces		
		German Silver	Gold	1.20	2.50	1201034 074514	100 pieces		
		German Silver	Gun	1.20	2.50	1201048 074530	100 pieces		
		Plastic	Transparent	1.30	2.60	1201024 074500	150 pieces		
		German Silver	Silver	1.30	2.50	1201041 074521	100 pieces		
		German Silver	Gold	1.30	2.50	1201035 074515	100 pieces		
		Plastic	Transparent	1.40	2.80	1201026 074502	150 pieces		
		German Silver	Silver	1.40	2.50	1098817 074522	100 pieces		



Washers for Rimless Frames

		Material	Colour			Order No.	
		German Silver	Gold	1.40	2.50	1201036 074516	100 pieces
		German Silver	Gun	1.40	2.80	1201049 074532	100 pieces
		German Silver for screws with conical heads	Silver	1.40	2.80	1201029 074509	100 pieces
		German Silver	Silver	1.50	2.50	1201043 074523	100 pieces
		Plastic	Transparent	1.60	3.00	1201033 074513	150 pieces
		German Silver for reach nuts No. 1092219	Silver	1.65	2.70	1201044 074524	100 pieces
		German Silver for reach nuts No. 1092220	Gold	1.65	2.70	1201038 074518	100 pieces
		German Silver for reach nuts No. 1092221	Silver	1.85	2.90	1201045 074525	100 pieces
		German Silver for reach nuts No. 1092222	Gold	1.85	2.90	1201039 074519	100 pieces
		Plastic	Transparent	2.00	3.50	1201050 074533	150 pieces



You will find our washer assortment No. 1201051 on page F 43.

Reach Nuts

		Style	Material	Colour				Order No.		Matching nut driver
			German Silver	Silver	1.20	4.00	2.50	1092219 084400	100 pieces	1202342 174600
			Brass	Gold	1.20	4.00	2.50	1092220 084410	100 pieces	1202342 174600
			German Silver	Silver	1.40	4.00	2.50	1092221 084500	100 pieces	1202342 174600
			Brass	Gold	1.40	4.00	2.50	1092222 084510	100 pieces	1202342 174600

Caps for Rimless Frame Screws

		Material	Colour				Order No.		
		Plastic	Transparent	1.20	2.50	3.50	1201107 077122	100 pieces	
		Plastic	Transparent	1.40	2.50	3.50	1201108 077123	100 pieces	





Premium Sleeves from frey & winkler

- High quality basic materials
- Product certified according to ISO 9001
- High dimensional accuracy
- Produced using the latest technology
- Maximum durability
- Colour stability
- No flashes

frey & winkler
CREATIVE SILICONE PRECISION

Sleeves for Rimless Frames

		Material	Colour	Material quality			Order No.	
		Plastic	Transparent	Medium soft	0.80	1.30	1201112 077127	50 pieces
		Plastic	Transparent	Medium soft	0.80	1.40	1201094 077104	50 pieces
		Plastic	Transparent	Soft	0.80	1.40	1201095 077105	50 pieces
		Plastic	Transparent	Medium hard	0.80	1.40	1201096 077106	50 pieces
		Plastic	Transparent	Soft open version	0.80	1.40	1201100 077110	50 pieces
		Plastic	Transparent	Medium hard open version	0.80	1.40	1201101 077111	50 pieces
		Plastic	Transparent	Medium soft open version	0.80	1.40	1201103 077112	50 pieces
		Plastic	Transparent	Medium soft	0.80	1.50	1201113 077128	50 pieces
		Plastic	Transparent	Soft	1.00	1.80	1201097 077107	50 pieces
		Plastic	Transparent	Medium hard	1.00	1.80	1201098 077108	50 pieces
		Plastic	Transparent	Medium soft	1.00	1.80	1201099 077109	50 pieces

Sleeves for Rimless Frames									
		Schematic side view	Material	Colour	Material quality			Order No.	
			Plastic	Transparent		1.20	2.80	1201104 077113	100 pieces
			Plastic	Transparent		1.40	2.80	1201105 077114	100 pieces
			Plastic	Transparent	Hard	1.00	1.80	1092671 077121	50 pieces
			Plastic	Transparent	Hard	0.80	1.50	1201109 077124	50 pieces
			Plastic	Transparent	Hard	0.80	1.40	1201110 077125	50 pieces
			Plastic	Transparent	Hard	0.80	1.50	1092672 077126	50 pieces
			Plastic	Transparent	Soft	0.80	1.60	1201115 077130	50 pieces
			Plastic	Transparent	Hard	1.00	1.80	1201114 077129	50 pieces

Sleeves Assortment

Contents: 7 different sleeves for rimless frames (350 pieces)

1080775
077150

 28 g



Hinges

Explanation on hinges:



Hinge width



Hole distance



Dimensions
(width x depth or
width x height x depth)



Inclination



Milling between
rolls and
thickness of rolls



Thread size



Total length



Packing unit:
piece or pair



Hinge length



Picture enlarged
(200 %)



Head diameter



Hinge roll radius



Picture actual size
(100 %)



Pin diameter

- All dimensions in mm
- Changes of sizes reserved



All double rolled hinges will be delivered with matching screws.

Solder Hinges

Middle part		Temple part							Order No.	
left	right									
			2.5	0.75-0.75	5.0	1.8	0°	1.4	1200565 040001	10 pieces
			2.5	0.75-0.75	5.0	1.8	0°	1.4	1200566 040002	10 pieces
			2.5	1.0	5.0	1.8	0°	1.4	1200567 040010	10 pieces
			3.0	0.9-0.9	5.0	1.8	0°	1.4	1200570 040101	10 pieces
			3.0	0.9-0.9	5.0	1.8	0°	1.4	1200571 040102	10 pieces
			3.0	1.2	5.0	1.8	0°	1.4	1200572 040110	10 pieces
			3.0	0.9-0.9	5.0	1.6	0°	1.4	1200574 040201	10 pieces
			3.0	0.9-0.9	5.0	1.6	0°	1.4	1200575 040202	10 pieces
			3.5	1.0-1.0	3.95	1.6	0°	1.4	1200576 040301	10 pieces
			3.5	1.0-1.0	3.95	1.6	0°	1.4	1200577 040302	10 pieces
			3.5	1.05-1.05	5.0	1.8	0°	1.4	1200578 040401	10 pieces
			3.5	1.05-1.05	5.0	1.8	0°	1.4	1200579 040402	10 pieces
			3.5	1.4	5.0	1.8	0°	1.4	1200580 040410	10 pieces

Hinges

Spring Hinge Sets								
Middle part left	Middle part right	Temple part					Order No.	
			3.0	0.8-0.8	0°	1.2		
			3.0	1.3	0°	-		
			3.3	0.9-0.9	6°	1.2	1200613 044210	5 pairs
			3.3	0.9-0.9	6°	1.2		
			3.0	1.3	6°	-		

Inner Spring for Flex Hinge						
	Material	Colour			Order No.	
	German Silver	Silver	0.8	1.4	1200614 044300	5 pieces
	German Silver	Silver	1.0	1.4	1200615 044301	5 pieces
	German Silver	Silver	1.2	1.4	1200616 044302	5 pieces
	German Silver	Silver	1.4	1.4	1200617 044303	5 pieces

Hinges Assortment

Contents: Solder hinges 1200570-72 (10 pieces each)
 rivet hinges 1200585-87 (10 pieces each)
 rivets 1201504 (100 pieces)
 (160 pieces)

1200568
040050



Hinges

Rivet Hinges										
Middle part		Temple part							Order No.	
left	right	left	right							
				3.0	1.0	2.5	6°	1.4	1200581 040501	10 pieces
				3.0	1.0	2.5	6°	1.4	1200582 040502	10 pieces
				3.0	0.8-0.8	2.5	6°	1.4	1200583 040511	10 pieces
				3.0	0.8-0.8	2.5	6°	1.4	1200584 040512	10 pieces
				3.0	1.2	2.5	0°	1.4	1200585 040600	10 pieces
				3.0	0.9-0.9	2.5	0°	1.4	1200586 040611	10 pieces
				3.0	0.9-0.9	2.5	0°	1.4	1200587 040612	10 pieces
				3.5	1.4	2.5	6°	1.4	1200588 040701	10 pieces
				3.5	1.4	2.5	6°	1.4	1200589 040702	10 pieces
				3.5	0.9-0.9	2.5	6°	1.4	1200590 040711	10 pieces
				3.5	0.9-0.9	2.5	6°	1.4	1200591 040712	10 pieces
				6.0	1.2-1.2	2.5	6°	1.4	1307666	10 pieces
				6.0	1.2-1.2	2.5	6°	1.4	1307667	10 pieces
				6.0	0.8-0.8	2.5	6°	1.4	1200594 040803	10 pieces
				6.0	0.8-0.8	2.5	6°	1.4	1200595 040804	10 pieces
				6.0	1.1-1.2-1.1	2.5	6°	1.4	1307668	10 pieces
				6.0	1.1-1.2-1.1	2.5	6°	1.4	1307669	10 pieces

Hinges

Hidden Hinges								
Middle part straight	Middle part left	Middle part right					Order No.	
			5.0	1.0	0°	1.4	1098939 040900	10 pieces
			5.0	1.2	0°	1.4	1098940 041200	10 pieces
			5.0	1.4	0°	1.4	1098941 041400	10 pieces
			3.5	1.4	0°	1.4	1200602 041700	10 pieces
			3.5	1.6	0°	1.4	1200603 041800	10 pieces
			7.0	1.6	0°	1.4	1200604 042200	10 pieces
			3.3	0.9-0.9	0°	1.4	1200607 042401	10 pieces
			3.3	0.9-0.9	0°	1.4	1200608 042402	10 pieces
			4.5	1.0-1.0	0°	1.4	1200609 042501	10 pieces
			4.5	1.0-1.0	0°	1.4	1200610 042502	10 pieces

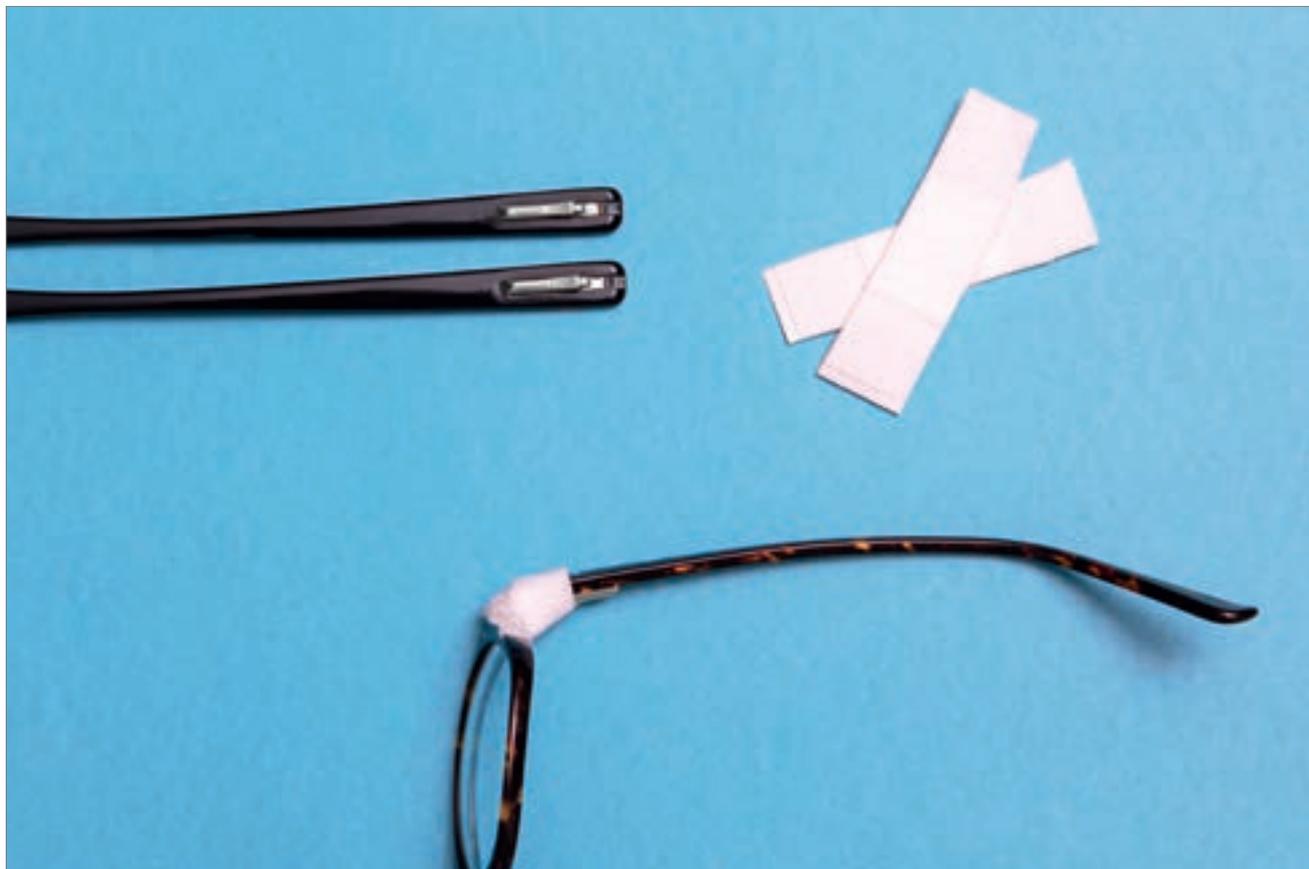
Rim Joints								
		Material	Colour	Application			Order No.	
		German Silver	Silver	Flat, for eyewire 1.80 to 2.50 mm. Has to be cut after soldering, with screws.	1.40	2.60 x 2.80 x 3.40	1201475 089801	10 pieces
		German Silver	Silver	Flat, for eyewire 1.80 to 2.30 mm. Has to be cut after soldering, with screws.	1.40	2.40 x 4.50	1201476 089802	10 pieces

Rivets								
		Material	Colour				Order No.	
		German Silver	Silver	25.00	1.70	0.70: 1.70	1201505 090600	200 pieces
		German Silver	Silver	10.00	1.80	1.20	1201504 090403	100 pieces



The B&S Temples and Temple Ends Range:

- Extensive selection
- For all applications
- Easy to find. Simple to order



Ordering in 3 Steps

1. Select form and material
2. Select the length
3. Select colour and diameter

Worth Knowing

f&w The Icon guarantees:

- High-quality basic materials
- Maximum durability
- Colour stability
- Highest precision

frey&winkler
CREATIVE SILICONE PRECISION

f&w Made in Germany Temple Ends offers you:

- Small cast points for better wear comfort
- Rounded edges
- High dimensional accuracy and high quality of the composite materials
- Certified according to ISO 9001

Overview for Simple Selection

	<p>Standard Temple End</p> <ul style="list-style-type: none"> ▪ Length: 64 mm ▪ Length: 65 mm ▪ Length: 67 mm ▪ Length: 69 mm ▪ Length: 70 mm ▪ Length: 75 mm – To extend Temples 	<p>F 56 F 56–F57 F 58 F 58 F 58 F 59</p>
	<p>Silicone Temple End</p> <ul style="list-style-type: none"> ▪ Length: 65 mm ▪ Length: 67 mm ▪ Length: 70 mm 	<p>F 59 F 59 F 59</p>
	<p>Temple End with Square Opening</p> <ul style="list-style-type: none"> ▪ Length: 61 mm ▪ Length: 63 mm – For Straight Temples ▪ Length: 63 mm – Flat, Square Opening ▪ Length: 70 mm – Flat Opening 	<p>F 60 F 60 F 60 F 60</p>
	<p>Temple End for ic! berlin Frames</p> <ul style="list-style-type: none"> ▪ Length: 85 ▪ Tube Sets 	<p>F 61 F 61</p>
	<p>Sports Temple Ends</p> <ul style="list-style-type: none"> ▪ Sports Temple Ends made of Silicone ▪ Sports Temple End ▪ MEGALOCK Temple End ▪ Non-slip Temple End 	<p>F 62–F 65 F 66 F 66 F 67–F 68</p>
	<p>Windsor Rim</p> <ul style="list-style-type: none"> ▪ Outer Profile ▪ W-Profile 	<p>F 69 F 69</p>
	<p>Heat Shrink Tubes</p> <ul style="list-style-type: none"> ▪ Heat Shrink Tubes ▪ Heat Shrink Tube Assortment 	<p>F 70–F 71 F 71</p>
	<p>Long Temple Ends</p> <ul style="list-style-type: none"> ▪ Length: 135 mm – Thin Type ▪ Length: 135 mm – Symmetrical Shape 	<p>F 72 F 72</p>
	<p>Temples</p> <ul style="list-style-type: none"> ▪ Temples with Flex Hinges – Nickel Free ▪ Temples with RAL Joint (American Joint) ▪ Standard Temples – Nickel Free ▪ Acetate Temples 	<p>F 73 F 73 F 74 F 74–F 75</p>
	<p>Spare Parts for Rimless Frames</p> <ul style="list-style-type: none"> ▪ Spare Parts for Rimless Frames with Sleeves Mounting ▪ Replacement Set for Rimless Frames with Sleeves Mounting 	<p>F 76–F 77 F 76–F 77</p>



Standard Temple End

Length: 64 mm

PP Temple End – Small Opening

Sealed end for high quality titanium frames.

frey & winkler
CREATIVE SILICONE PRECISION

	Transparent	f&w	∅ 1.0 mm	1200959 072627	10 pieces
	Anthracite transparent	f&w	∅ 1.0 mm	1200960 072628	10 pieces

Length: 65 mm

Temple End – Classic Shape

	Black		∅ 1.45 mm	1200912 071241	10 pieces
			∅ 1.6 mm	1200913 071261	10 pieces

Acetate Temple End – Thin Type

	Black		∅ 1.25 mm	1200896 071121	10 pieces
			∅ 1.45 mm	1200900 071141	10 pieces
			∅ 1.6 mm	1200904 071161	10 pieces
			∅ 1.7 mm	1200908 071171	10 pieces
			∅ 1.9 mm	1200910 071191	10 pieces
	Brown		∅ 1.25 mm	1200897 071122	10 pieces
			∅ 1.45 mm	1200901 071142	10 pieces
			∅ 1.6 mm	1200905 071162	10 pieces
			∅ 1.7 mm	1200909 071172	10 pieces
			∅ 1.9 mm	1200911 071192	10 pieces
	Havana		∅ 1.25 mm	1200898 071123	10 pieces
			∅ 1.45 mm	1200902 071143	10 pieces
			∅ 1.6 mm	1200906 071163	10 pieces
	Transparent		∅ 1.25 mm	1200899 071124	10 pieces
			∅ 1.45 mm	1200903 071144	10 pieces
			∅ 1.6 mm	1200907 071164	10 pieces

Standard Temple End

Length: 65 mm

Acetate Temple End – Symmetrical Shape

 Black	∅ 1.25 mm	1200919 071421	10 pieces
	∅ 1.45 mm	1200920 071441	10 pieces
	∅ 1.6 mm	1200925 071461	10 pieces
	∅ 1.7 mm	1200930 071471	10 pieces
 Brown	∅ 1.45 mm	1200921 071442	10 pieces
	∅ 1.6 mm	1200926 071462	10 pieces
	∅ 1.7 mm	1200931 071472	10 pieces
 Havana	∅ 1.45 mm	1200922 071443	10 pieces
	∅ 1.7 mm	1200932 071473	10 pieces
 Transparent	∅ 1.45 mm	1200923 071444	10 pieces
	∅ 1.6 mm	1200928 071464	10 pieces
	∅ 1.7 mm	1200933 071474	10 pieces
 Grey	∅ 1.45 mm	1200924 071447	10 pieces
	∅ 1.6 mm	1200929 071467	10 pieces

Temple End – Symmetrical Shape

 Black	∅ 1.2 mm	1200885 070921	10 pieces
	∅ 1.45 mm	1200888 070941	10 pieces
	∅ 1.6 mm	1200891 070961	10 pieces
 Brown	∅ 1.2 mm	1200886 070922	10 pieces
	∅ 1.45 mm	1200889 070942	10 pieces
	∅ 1.6 mm	1200892 070962	10 pieces
 Havana	∅ 1.2 mm	1200887 070923	10 pieces
	∅ 1.45 mm	1200890 070943	10 pieces
	∅ 1.6 mm	1200893 070963	10 pieces

Standard Temple End

Length: 67 mm

Acetate Temple End – Small Opening

	Black	∅ 1.0 mm	1200914 071301	10 pieces
	Brown	∅ 1.0 mm	1200915 071302	10 pieces
	Transparent	∅ 1.0 mm	1200916 071304	10 pieces

Length: 69 mm

Acetate Temple End – Small Opening

	Black	∅ 1.1 mm	1300702 071310	10 pieces
	Brown	∅ 1.1 mm	1300703 071311	10 pieces
	Transparent	∅ 1.1 mm	1300704 071312	10 pieces

Length: 70 mm

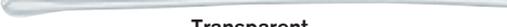
Temple End Hard

	Transparent	∅ 1.1 mm	1200961 072727	10 pieces
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Temple End – Classic Shape

	Black	∅ 1.5 mm	1201160 079410	10 pieces
	Dark brown	∅ 1.5 mm	1201161 079416	10 pieces
	Transparent	∅ 1.5 mm	1201159 079408	10 pieces

Temple End – Small Opening

	Black	∅ 0.9 mm	1201082 075401	10 pieces
	Brown	∅ 0.9 mm	1201083 075416	10 pieces
	Transparent	∅ 0.9 mm	1201084 075427	10 pieces

Standard Temple End

Length: 75 mm

Temple End – Classic Shape to extend Temples

To extend frame temples by at least 10 mm.

	Black	∅ 1.4 mm	1201166 079710	10 pieces
	Dark brown	∅ 1.4 mm	1201167 079716	10 pieces
	Transparent	∅ 1.4 mm	1201168 079727	10 pieces

Silicone Temple End

Length: 65 mm

Silicone Temple End – Small Opening

One end closed for metal temple 0.9 to 1.5 mm, hypo-allergenic, easy to fit, just moisten with liquid soap.

	Black	∅ 0.9 to 1.5 mm flexible	1310430	10 pieces
	Brown	∅ 0.9 to 1.5 mm flexible	1310431	10 pieces
	Transparent	∅ 0.9 to 1.5 mm flexible	1310432	10 pieces

Length: 67 mm

Silicone Temple End – Small Opening

	Black	∅ 0.9 to 1.1 mm flexible	1200937 071601	10 pieces
	Transparent	∅ 0.9 to 1.1 mm flexible	1200939 071604	10 pieces

Length: 70 mm

Silicone Temple End

	Black	∅ 1.0 mm	1201164 079511	10 pieces
		∅ 1.4 mm	1201162 079501	10 pieces
	Dark brown	∅ 1.0 mm	1201165 079517	10 pieces
		∅ 1.4 mm	1201163 079507	10 pieces



Temple End with Square Opening

Length: 61 mm

Silicone Temple End

	 1.5 x 1.0 mm	1200977 073201	10 pieces
Black			
	 1.5 x 1.0 mm	1200978 073202	10 pieces
Brown			
	 1.5 x 1.0 mm	1200979 073204	10 pieces
Transparent			

Length: 63 mm

Silicone Temple End – For Straight Temples

	 2.6 x 1.5 mm	1200935 071501	10 pieces
Black			
	 2.6 x 1.5 mm	1200936 071502	10 pieces
Brown			

Temple End – Flat, Square Opening

	 4.0 x 1.3 mm	1201157 078900	10 pieces
Black			

Length: 70 mm

Temple End – Flat Opening

For thin metal temples.

	 2.5 x 1.3 mm	1201088 075700	10 pieces
Black			
	 2.5 x 1.3 mm	1201089 075701	10 pieces
Brown			



Length: 85 mm

ic! berlin Temple Tip

Material: Thermoplastic elastomer



Black

2.8 x 1.0 mm

1201134
078202

2 pairs



Grey

2.8 x 1.0 mm

1201135
078203

2 pairs

ic! berlin Tube Set Classic

- Length nose tubes: 19 mm
- Length temple tubes: 88 mm
- Temple diameter: 6 mm
- Color: Transparent
- Material: Silicone

1201125
078001

5 pieces



ic! berlin Tube Set Large

- Length nose tubes: 13 mm
- Length temple tubes: 94 mm
- Temple diameter: 10 mm
- Colour: Transparent
- Material: Silicone

1201126
078013

5 pieces



TIPS & TRICKS

EASY MOUNTING OF SPORT TEMPLE ENDS

Nothing Slips!

Sport Temple Ends

used for example: No. 1200985

Universal Pen

No.1203040

Double Joint Front Cutter

No. 1202096

Precision File

No. 1307479

Frame Heater

No. 1203171



approx. 5 minutes



This is how it works

Preparations for all sport temple tips

1 MARKING



2 CUTTING



3 CUTTING NOTCHES

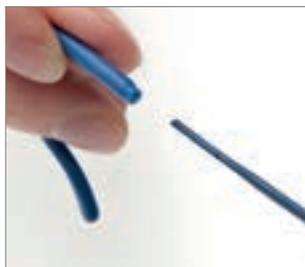


Applying the sport temple ends No. 1200985–93, 1200994–99, 1200940–44, 1200946–49, 1200964 and 1210488–92, 1210494–500 **with heating procedure**

4 HEATING



5 PUSHING



6 COOLING



Applying the sport temple ends No. 1200974, -76 **with cold procedure**

4 COLD PUSHING



5 DONE



OPTIONAL: PRESSING



 YouTube



TIP 1: If the temple is thinner than 1.3 mm use a vice to flatten and widen the end.

TIP 2: Sport temple ends on plastic temples? Expose the metal inlay! Cut off 1 cm only of the plastic on the temple and detach it.



Sports Temple Ends made of Silicone

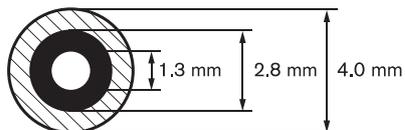
For supplementary application on metal temples and inserts of plastic temples.

Assembling range: approx. 1.3 to 1.4 mm

Ø inner: 1.3 mm

Ø outer: 4.0 mm

Thickness of silicone coating: 0.6 mm



Plastic



Silicone

 1 pair

Children: Length 80 mm

Adults: Length 95 mm

Order No.	Colour	Order No.	Colour
1210488 073001	Black	1200974 073101	Black
1210489 073002	Grey	1200976 073116	Dark brown
1210490 073003	Petrol		
1210491 073004	Purple		
1210492 073005	Red		
1210494 073006	Pink		
1210496 073010	Yellow		
1210497 073011	Orange		
1210498 073012	Light blue		
1210500 073021	Blue		





Sports Temple Ends made of Silicone

For supplementary application on metal temples and inserts of plastic temples.

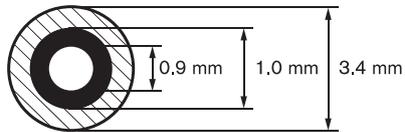
Assembling range: approx. 1.0 to 1.1 mm

Ø inner: 0.9 mm
 Ø outer: 3.4 mm



"Easy Mounting of Sport Temple Ends"
 (see page F 62)

Thickness of silicone coating: 1.2 mm,
 optimal protection, optimal padding



■ Plastic ▨ Silicone

1 pair

Children: Length 75 mm		Adults: Length 90 mm	
Order No.	Colour	Order No.	Colour
1200940 071701	Black	1200946 071801	Black
1200941 071703	Blue	1200947 071803	Blue
1200942 071705	Red	1200948 071816	Brown
1200943 071707	Green	1200949 071819	Bordeaux
1200944 071719	Bordeaux		



B&S Quality temple ends are reassuringly well-engineered. They have no rough spots and the especially thick cushion ensures comfortable wearing.



Sports Temple Ends made of Silicone

For supplementary application on metal temples and inserts of plastic temples.

Assembling range: approx. 1.4 to 1.5 mm

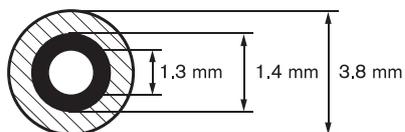
Ø inner: 1.3 mm

Ø outer: 3.8 mm



"Easy Mounting of Sport Temple Ends"
(see page F 62)

Thickness of silicone coating: 1.2 mm,
optimal protection, optimal padding



■ Plastic

▨ Silicone

1 pair

Children: Length 75 mm

Adults: Length 90 mm

Order No.	Colour	Order No.	Colour
1200985 073501	Black	1200994 073601	Black
1200987 073503	Navy	1200996 073603	Navy
1200988 073504	Lilac	1200997 073605	Red
1200989 073505	Red	1200999 073619	Bordeaux
1200990 073507	Green		
1200991 073512	Light blue		
1200993 073519	Bordeaux		



Sports Temple Ends for Adults

For supplementary application on metal temples and inserts of plastic temples.

Assembling range: approx. 1.4 to 1.5 mm

Ø inner: 1.3 mm
 Ø outer: 3.0 mm
 Length: 90 mm

1200964 Black  1 pair
 072801

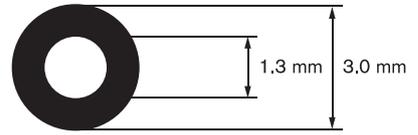
 "Easy Mounting of Sport Temple Ends"
 (see page F 62)



Please also note our heat shrink tubes on page F 71.



without silicone coating



 Plastic

MEGALOCK Temple End

Silicone, can be used with plastic and metal temples, firm hold.

Ø inner: 5.9 x 2.7 mm

1207463 Black  10 pairs
 890301

1207465 Black  50 pairs
 890351



Non-slip Temple End

Similar as No. 1207463-66, but in large pack.

Ø inner: 5.9 x 2.7 mm

1200969-70  20 pieces

1200969
072910 Transparent

1200970
072911 Black

1200965-66  100 pieces

1200965
072900 Transparent

1200966
072901 Black



Ø inner: 2.8 x 1.8 mm

1200971-72  20 pieces

1200971*
072912* Transparent

1200972*
072913* Black

1200967-68  100 pieces

1200967*
072902* Transparent

1200968*
072903* Black



* Extra small hole
for thin temples

Non-slip Temple Ends, Annular

Material: Silicone

Ø Total: 14.0 mm

Ø inner: 7.0 x 1.0 mm

1200954-55  20 pieces

1200954
072210 Transparent

1200955
072211 Black



Non-slip Temple Ends, Round with 2 Slot Sizes

Material: Silicone

Ø Total: 14.0 mm

Ø inner: 5.0 x 1.0 mm and 2.0 x 1.0 mm

1200956-57  20 pieces

1200956
072310 Transparent

1200957
072311 Black





Non-slip temple ends, Ear Grip

Material: Silicone

- Suitable for almost all temple thicknesses from a diameter of 3 mm



Made in Germany

1303261-64 3 pairs

- 1303261 Black
- 1303262 Transparent
- 1303263 Blue
- 1303264 Pink



Non-slip Temple Ends for Children

Silicone, can be used with plastic and metal temples, firm hold.
 Suitable for our **Milo & Me** correction frames.
 Ø inner: 4.3 x 2.8 mm

1206744-1309926 5 pairs

Order No.	Colour	Order No.	Colour
1206744	Black	1206773	Nude
1206745	Dark blue	1206774	Blush
1206748	Light blue	1309910	Grey
1206749	Light turquoise	1309911	Brown
1206750	Dark green	1309912	Grey green
1206751	Apple green	1309913	Mallow
1206752	Blackberry	1309914	Dusky pink
1206753	Red	1309915	Denim blue
1206755	Pink	1309916	Dark lilac
1206756	Dark aquamarine	1309917	Fuchsia
1206758	Yellowgreen	1309918	Grey blue
1206759	Denim light blue	1309919	Terracotta
1206760	Light grey blue	1309920	Sage
1206761	Light grey	1309921	Pewter green
1206762	Light brown	1309922	Midnight blue
1206764	Light grey green	1309923	Cedar brown
1206765	Light sage	1309924	Feather green
1206767	Mauve	1309925	Redwood
1206768	Peach	1309926	Golden brown
1206771	Glacial grey		



Windsor Rim

The Windsor Rim is placed on the outer side of the rim and can be glued if required.

Material: Acetate

Length: 70 cm

Ø inner: 1.8 x 0.8 mm

1201119-21  2 pieces

1201119

077600

Chestnut

1201120

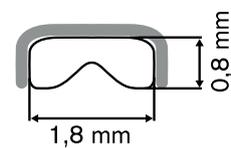
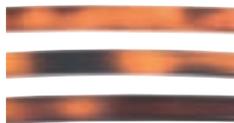
077601

Havana

1201121

077602

Havana dark brown



Ø inner: 2.0 x 1.0 mm

1201122-24  2 pieces

1201122

077700

Chestnut

1201123

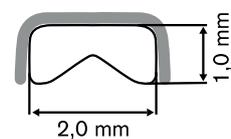
077701

Havana

1201124

077702

Havana dark brown



Windsor Rim W-Profile

The Windsor Rim is placed into the groove of the rim and can be glued if required.

Material: Acetate

Length: 70 cm

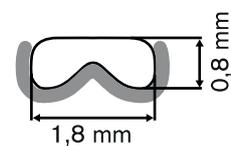
Ø outer: 1.8 x 0.8 mm

Colour: Havana

1201079

075101

 2 pieces



Our matching Windsor rim plier 1202098 on page B 29 simplifies the adjustment to bridge and end piece.




TIPS & TRICKS
HEAT SHRINK TUBE
Discreet Protection for Temples and Others
Heat Shrink Tube Assortment

No. 1201154

Small Scissors

No. 1202136

OPTOSONIC Cleaning Device

No. 1203810

Frame Heater OPTIMONSUN

No. 1203144



approx. 3 minutes


This is how it works
1 CLEANING

2 BENDING

3 REMOVING

4 SELECTING

5 SHORTEN

6 SHRINKAGE


 YouTube


Heat Shrink Tube

For a more comfortable fit, hypo-allergenic, high transparency.
Material: PE

1201150-53  3 x 1 m

Order No.	Ø inner	Ø after shrinking
1201150 078603	1.5 mm	approx. 0.75 mm
1201151 078605	3.0 mm	approx. 1.50 mm
1201152 078608	5.0 mm	approx. 2.50 mm
1201153 078610	7.0 mm	approx. 3.50 mm



Heat Shrink Tube Assortment

Practical assortment box with 4 different shrinking tube diameters:
6 x 18 cm with diameter 1.5 mm and 7.0 mm
8 x 18 cm with diameter 3.0 mm and 5.0 mm
Material: PE

1201154
078650

Heat Shrink Tube

Shrinking temperature: 120 °C

Ø inner: 3.2 mm Ø after shrinking: 1.5 to 1.6 mm

 3 x 1 m

1201138 078451	Transparent	1201142 078455	Black
1201139 078452	Red	1201143 078456	Grey
1201140 078453	Blue	1201145 078459	Brown



Heat Shrink Tube Assortment

Contents: Each 1x No. 1201139 and 1201140 plus each 2x No. 1201138; 1201142; 1201137 and 1201145

1211697  10 pieces of 1 m
078434

Heat Shrink Tube

Shrinking temperature: 160 to 170 °C

Ø inner: 1.6 mm Ø after shrinking: 0.8 mm

1201147-48  3 x 1 m

1201147 078551	Transparent	1201148 078555	Black
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Heat Shrink Tube Temple End Assortment

Length: 80 mm, 1 end closed.
Colour: Black
Shrinking temperature: 150 °C

Ø inner: 3.0 mm Ø after shrinking: 1.5 mm

1301167  10 pairs
073401



Heat Shrink Tube – High transparency

For all metal and plastic temples, hypo-allergenic.
Flat width: 8.0 mm

Ø inner: 5.1 mm Ø after shrinking: approx. 2.8 mm

1201155  3 x 1 m
078708



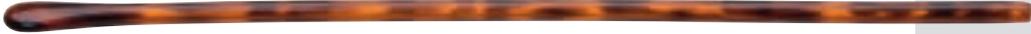
Long Temple Ends

Length: 135 mm

Acetate Temple End – Thin Type

Black		∅ 1.0 mm	1200877 070701	10 pieces
		∅ 1.2 mm	1200878 070721	10 pieces

Acetate Temple End – Symmetrical Shape

Black		∅ 1.2 mm	1200879 070821	10 pieces
		∅ 1.45 mm	1200882 070841	10 pieces
Brown		∅ 1.2 mm	1200880 070822	10 pieces
		∅ 1.45 mm	1200883 070842	10 pieces
Havana		∅ 1.2 mm	1200881 070823	10 pieces
		∅ 1.45 mm	1200884 070843	10 pieces

Temple End Assortment

Contents: 10 high-quality, modern temple ends
in practical snap-lid boxes
We reserve the right to change the assortment.

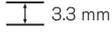
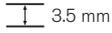
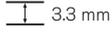
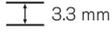
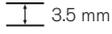
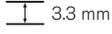
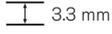
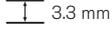
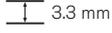
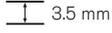
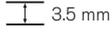
1201158
079001

 100 pieces



Our small parts organiser boxes
can be found on page G 11 and G 12.

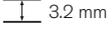
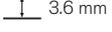
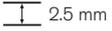
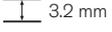
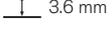
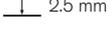
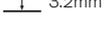
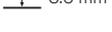
Temples with Flex Hinges – Nickel Free – Length 140 mm

	 3.3 mm	 0.8 mm	1201529 103900	1 pair
	 3.3 mm	 1.0 mm	1201533 104000	1 pair
	 3.5 mm	 1.2 mm	1201537 104100	1 pair
	 3.5 mm	 1.4 mm	1201541 104200	1 pair
	 3.3 mm	 0.8 mm	1201530 103901	1 pair
	 3.3 mm	 1.0 mm	1201534 104001	1 pair
	 3.5 mm	 1.2 mm	1201538 104101	1 pair
	 3.5 mm	 1.4 mm	1201542 104201	1 pair
	 3.3 mm	 0.8 mm	1201531 103902	1 pair
	 3.3 mm	 1.0 mm	1201535 104002	1 pair
	 3.5 mm	 1.2 mm	1201539 104102	1 pair
	 3.5 mm	 1.4 mm	1201543 104202	1 pair
	 3.3 mm	 0.8 mm	1201532 103903	1 pair
	 3.3 mm	 1.0 mm	1201536 104003	1 pair
	 3.5 mm	 1.2 mm	1201540 104103	1 pair
	 3.5 mm	 1.4 mm	1201544 104203	1 pair

Temples with RAL Joint (American Joint) – Length 145 mm

	 1.3 mm	 0.95 mm	1201576 105411	1 pair
			1201577 105412	1 pair
			1201578 105413	1 pair

Standard Temples – Nickel Free – Length 140 mm

Gold		2.5 mm		0.8 mm	1201525 103800	1 pair
		2.5 mm		1.0 mm	1201545 104300	1 pair
		3.2 mm		1.2 mm	1201549 104500	1 pair
		3.6 mm		1.4 mm	1201553 104600	1 pair
Silver		2.5 mm		0.8 mm	1201526 103801	1 pair
		2.5 mm		1.0 mm	1201546 104301	1 pair
		3.2 mm		1.2 mm	1201550 104501	1 pair
		3.6 mm		1.4 mm	1201554 104601	1 pair
Black		2.5 mm		0.8 mm	1201527 103802	1 pair
		2.5 mm		1.0 mm	1201547 104302	1 pair
		3.2 mm		1.2 mm	1201551 104502	1 pair
		3.6 mm		1.4 mm	1201555 104602	1 pair

Acetate Temples – Length 140 mm

Black		3.0 mm		1.0 mm	1201557 104700	1 pair
					Dark havana	1201558 104702
Black		3.5 mm		1.0 mm	1201560 104800	1 pair
					Dark havana	1201561 104802
Black		5.0 mm		1.2 mm	1201562 104900	1 pair
					Dark havana	1201563 104902

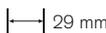
Acetate Temples – Length 140 mm

					
Black	 6.3 mm	 1.2 mm	1201564 105000	1 pair	
Transparent			1201565 105001	1 pair	
Dark havana			1201566 105002	1 pair	
Light havana			1201567 105003	1 pair	
					
Black	 9.0 mm	 1.2 mm	1201568 105100	1 pair	
Dark havana			1201570 105102	1 pair	
					
Black	 10.0 mm	 1.4 mm	1201572 105200	1 pair	
Dark havana			1201574 105202	1 pair	



Bridge for Rimless Frames with Sleeves Mounting

- Material: Stainless steel
- For sleeves with an inner diameter of 0.8 mm

1201579-84   approx. 17 mm



1201579 105500
Gold

1201580 105501
Silver

1201581 105502
Black

1201582 105503
Gun

1201583 105504
Blue

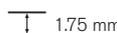
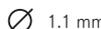
1201584 105505
Brown

Spare Temple and Front Hinge for Rimless Frames with Sleeves Mounting – Length 150 mm



- Gold**
- Silver**
- Black**
- Gun**
- Blue**
- Brown**

Material: Stainless steel

 1.75 mm  0.7 mm
 1.1 mm

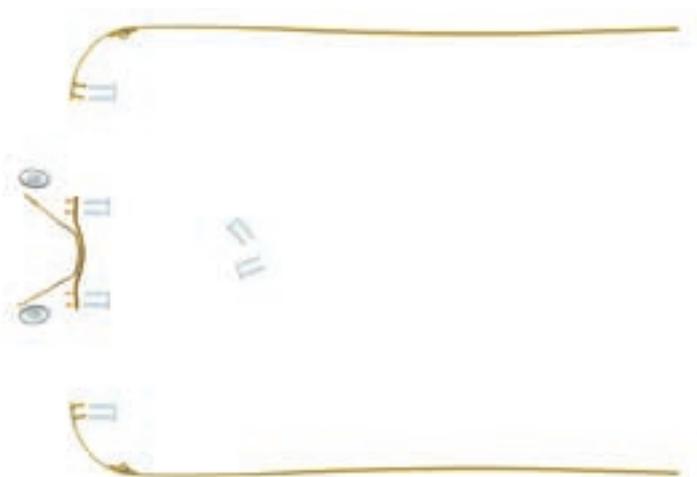
1201585 105600	1 pair
1201586 105601	1 pair
1201587 105602	1 pair
1201588 105603	1 pair
1201589 105604	1 pair
1201590 105605	1 pair

Replacement Set Temple and Front Hinge for Rimless Frames with Sleeves Mounting

- Material: Stainless steel
- For sleeves with an inner diameter of 0.8 mm
- Including: 2 temple tips (No. 1200961), 2 nose pads (No. 1200450) and 6 sleeves (No. 1201095)

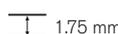
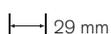
1096604-07
1201602-03

- 1096604** 105800 **Gold**
- 1096605** 105801 **Silver**
- 1096606** 105802 **Black**
- 1096607** 105803 **Gun**
- 1201602** 105804 **Blue**
- 1201603** 105805 **Brown**



Temple with hinge

Bridge

 1.75 mm  0.7 mm  1.1 mm  150 mm  29 mm  approx. 17 mm

Hingeless Temple for Rimless Frames with Sleeves Mounting – Length 150 mm

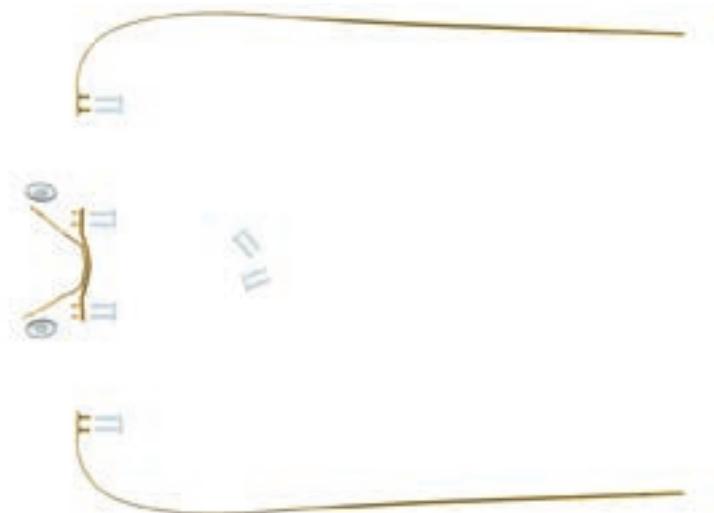
Gold	Material: Stainless steel 	1201591 105700	1 pair
Silver		1201592 105701	1 pair
Black		1201593 105702	1 pair
Gun		1201594 105703	1 pair
Blue		1201595 105704	1 pair
Brown		1201596 105705	1 pair

Replacement Set with Hingeless Temple for Rimless Frames with Sleeves Mounting

- Material: Stainless steel
- For sleeves with an inner diameter of 0.8 mm
- Including: 2 temple tips (No. 1200914), 2 nose pads (No. 1200450) and 6 sleeves (No. 1201095)

1201604–09

1201604 105900	Gold
1201605 105901	Silver
1201606 105902	Black
1201607 105903	Gun
1201608 105904	Blue
1201609 105905	Brown



Hingeless temple

 1.6 mm  1.0 mm  150 mm

Bridge

 29 mm  approx. 17 mm

TENAX Strips

- As interlining to be stuck into the frame groove
- Length: 50 mm, width: 3 mm

1200981
073301

⊥ 0.2 mm

📦 2 sheets of 36 strips



Lens Washer (Liner) – Self-adhesive

- As interlining to be stuck into the frame groove
- Width: 1.7 mm
- Colour: Transparent

1200980
073300

⊥ 0.1 mm 📦 16 m



Lens Washer (Liner) – Acetate

- Colour: Transparent

1201005
074310

⊥ 1.2 mm 📦 approx. 3 m



Lens Washer – CYREX

- Handmade frames insert with V-bevel for optimum use
- Colour: Transparent

1201006
074330

⊥ 1.4 mm 📦 3.5 m



Lens Washer (Liner) – PVC

- Colour: Transparent

1201077
075000

⊥ 1.6 mm 📦 6 m

1201078
075010

⊥ 1.6 mm 📦 10 x 6 m

1201080
075200

⊥ 1.2 mm 📦 6 m

1201081
075210

⊥ 1.2 mm 📦 10 x 6 m



You will find our glass adhesive (hypo-tube cement) No. 1203931 on page E 20.

Lens Ring

High tensile strength (> 300 %) and resistant to brittleness.

- Material: Silicone
- Colour: Transparent

1201739
137100

∅ 26 mm ⊥ 0.85 mm 📦 10 pieces

1201740
137110

∅ 27 mm ⊥ 0.5 mm 📦 10 pieces

f&w



Fitting Strip

1201727
136800 |  5.0 mm |  10 m



Nylon Thread

 0.5 mm |  20 cm

1201736
137000 | Opaque |  100 pieces



Nylon Thread – Transparent

1201738
137002 |  0.5 mm |  20 m



Nylon Set, 5 Spools

Contents: 8-profile 0.51 and 0.55 mm,
T-profile 1.3 mm,
nylon thread 0.50 and 0.60 mm

1201735
136955

Nylon Thread

• Colour: Transparent

1201732–34

1201732
136920 |  0.40 mm |  20 m

1201733
136921 |  0.50 mm |  20 m

1201734
136923 |  0.60 mm |  20 m



Nylon Liner 8-Profile

• For metal frames
• Colour: Transparent

1201728–29

1201728
136900 |  0.51 mm |  10 m

1201729
136901 |  0.55 mm |  10 m

Nylon Liner T-Profile

• For plastic and metal frames
• Colour: Transparent

1201730
136910 |  1.3 mm |  5 m

1306964 |  1.8 mm |  5 m

Nylon Liner 8-Profile

• For metal frames

1201726
136700 |  0.55 mm |  2 m



You will find our nylon liner tool No. 1095079 and our nylon thread hook No. 1202288 on page C 26 and C 27.



Cement Strips – Acetate

1201004
074200  60 x 6 x 0.36 mm  100 pieces



Acetate Sheets

▪ Colour: Light water

 130 x 80 mm

1201010
074400  0.5 mm  3 pieces

1201011
074410  1.0 mm  3 pieces



Acetate Sheets

A complete frame can be made out of this material. The set includes metal injected temples and 2 hidden hinges. We reserve the right to change the colours.

1201012
074420  150 x 8 x 65 mm



Raw Temples Acetate

Colour: Black

An individual temple can be made out of this material. We reserve the right to change the colour.

1201013
074421  155 x 3.4 x 16 mm  2 pairs



Acetate Material

To make practice pieces in various styles.

1201014–17
1201020–23  150 x 6 x 65 mm  2 pieces

one-layered

1201014
074431 Havana

1201015
074432 Black

1201016
074433 Blue

1201017
074434 Transparent



two-layered

1201020
074450 Black/Red

1201021
074451 Dark blue/Transparent



triple-layered

1201022
074460 Red/White/Smokey grey

1201023
074461 Brown/White/Transparent blue



Eye Lid Lifter

For soldering or screwing.

1200520
029500



Eye Wire

Half round, smooth.

1201706
136102



Soldering Set, Complete Frame

To assemble one complete metal frame with double bridge and golf temples. Eyewires are curved and shaped. We reserve the right to make changes to the composition.

1201694
135300



Soldering Set, Frame Front

Contents: Eyewires, nose bridge, nose pad arms, nose pads, hinges, frame bridge

Eyewires are curved and shaped. We reserve the right to make changes to the composition.

1201695
135403



Flat Wire

- For solder training
- Material: German silver

1301378
136201



Round Wire

- For solder training
- Material: German silver

1201719
136301



Auftragsnummer:

Name:
Anschrift:

Bestellung Stärke / Farbe / Vergrößerung / Wende	R				L				Ein Maß VDR
	Sph	Cyl	Axis	Merz	Sph	Cyl	Axis	Merz	
Bestimmung: Funktionsdiagnose Überstrahlungs- Lichtstrahltrieb									
	Sphärenverzeichnung				Sphärenverzeichnung				
	Zentrierung				Zentrierung				
	Hohlstrahltrieb				Hohlstrahltrieb				
	Hohlstrahltrieb				Hohlstrahltrieb				
	Hohlstrahltrieb				Hohlstrahltrieb				

Auftragsnummer: 2003.13
Name: Frau H. Schmidt
Anschrift:
Telefon:
E-Mail:

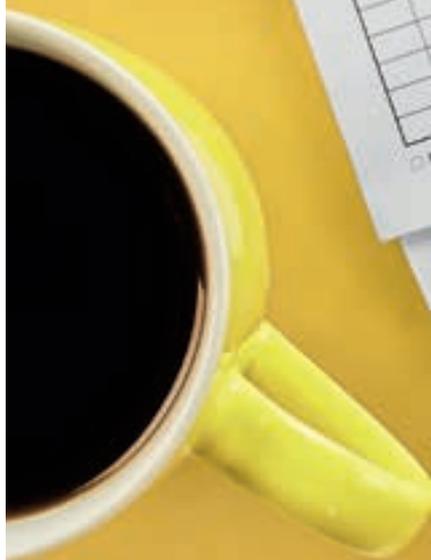
F	R	Sph		Cyl	Axis
		R	L		
N	R	-3.0	-1.0		90
	L	-3.5	-1.0		35
Ø	R				
	L				

Werkstatthinweise (z.B. Facette poliert, besondere Pads, etc.):
- Regel ausarbeiten
Basiskurve: R

Entfernung:
Gläser / F
L: Verordnung Arzt, Rehabilitation: N

Notizen:
! Regel abgeben

Summe in €



ORGANISING AIDS

for the effective treatment plan



- G 2 Presentation Trays
- G 3 Job Bags
- G 5 Price Tags
- G 6 Job Trays
- G 9 Assortment Boxes and Hinged Boxes
- G 13 Cosmetic Mirrors

Presentation Tray

- For the attractive presentation of your products e.g. frames, cases and accessories
- Brushed, stable plastic tray with anti-slip inlay made of soft polymer
- Usable area: 247 x 208 mm
- Contents not included

 300 x 211 x 21 mm

1096948-50

1096948 143310	Black/Light grey
1096949 143311	Black/Dark grey
1096950 143312	Black/Bordeaux



Presentation Box

- For 4 frames
- Made out of aluminium with transparent cover for a quick overview
- Contents not included

 200 x 160 x 55 mm

1200078
014300



Job Bags

- Job bags with separate pocket made of long lasting, semitransparent PP material
- The foldable sides of high-quality Oxford nylon can be stretched up to 4 cm

DIN A5

 155 x 215 x 40 mm

 25 pieces

1084074–76

1084074 143400	Green
1084075 143401	Blue
1084076 143402	Red

DIN A5 with pocket

 Pocket: 155 x 175 mm

 155 x 215 x 40 mm

 25 pieces

1201768–70

1201768 143420	Green
1201769 143421	Blue
1201770 143422	Red

DIN A6

 125 x 165 x 40 mm

 25 pieces

1201765–67

1201765 143410	Green
1201766 143411	Blue
1201767 143412	Red

DIN A6 with pocket

 Pocket: 105 x 110 mm

 125 x 165 x 40 mm

 25 pieces

1201771–73

1201771 143430	Green
1201772 143431	Blue
1201773 143432	Red



Job Bags for Contact Lenses

- PVC material with Velcro fastener
- Suitable for up to 2 daily or 4 monthly contact lens packages
- Dimensions job bag: 215 x 160 mm
- Dimensions CL packaging: 160 x 110 x 40 mm

 20 pieces

1201757
143110



Job Bag with Zipper

- Suitable for DIN A5 worksheets
- Contents visible due to transparent PE material
- Stable and flexible at the same time
- Easy zipped opening
- For improved organization in the workshop because frame, lenses and file card are in one bag
- Perfect transport solution for external glazing

 175 x 230 mm

 20 pieces

1084073

143600



PVC Bag opticover

- Suitable for DIN A5 worksheets
- Contents visible due to transparent PE material
- Stable and flexible at the same time
- Easy to open
- Rounded corners
- Frames, lenses and worksheet in one bag

 157 x 218 mm

1201783

144200

 20 pieces

1201784

144210

 100 pieces



Foam Inserts for Drawer

For Ophthalmic Frames, Foam Insert Cuts to Size

- Outer measurements (L x H x W): 200 x 3,5 x 50 cm
- Inner measurements (D x H): 2,5/2 x 4,4 cm
- 39 compartments

1201755

143020

Dark grey



For Sunglasses, Foam Insert Cuts to Size

- Outer measurements (L x H x W): 200 x 4 x 50 cm
- Inner measurements (D x H): 2,5/2 x 6 cm
- 30 compartments

1201756

143021

Dark grey



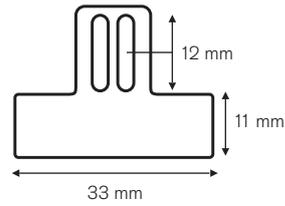
Price Tags

- Price tags for almost all frame models
- To slide onto the temple
- To be used with:
 1. Lens marking pen (clean with spirit)
 2. Labels No. 1200010

stable

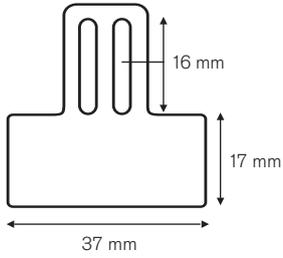
500 pieces

120009
008001

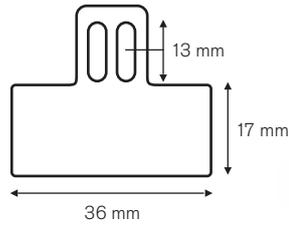


flexible

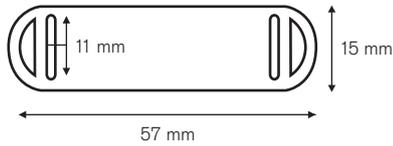
200 pieces each



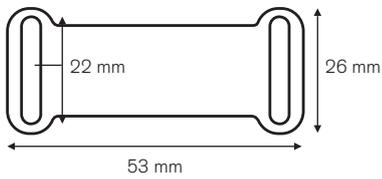
1081213
008300



1081214
008310



1200013
008340



1200014
008360



Self-adhesive Labels

- Suitable for all B&S price tags
- White paper

65 x 10 mm, divisible in two equal parts

264 pieces

1200010
008100



That Fits.

These B & S job trays are produced in Europe using CNC controlled high-tech injection moulding machines.

This production technology contributes to a high degree of precision fitting and processing quality. Due to high demand we have now added to the proven standard size an extra high version for sports frames and sunglasses with high curvatures and also their cases.

Job Trays – Large Size

- Flexible and unbreakable ABS plastic
- Both trays fit together
- With label pocket and grip tab
- Both trays are combinable

Coloured

- Inner size (w x h x d): 166 x 45 x 230 mm

Transparent – Extra High – 65 mm

- For high curved frames
- Inner size (w x h x d): 166 x 65 x 230 mm



 Outer measurements:
170 x 47 x 255 mm

 10 pieces with labels

1201801-04

1201801 145430	Transparent
1201802 145431	Light blue
1201803 145432	Red
1201804 145433	Grey

 Outer measurements:
170 x 67 x 255 mm

 10 pieces with labels

1201800 145230

Transparent

Job Tray Labels

- 1-sided foil coating (rewritable)

 10 pieces

1200007
007700 For No. 1201800 and 1201801-04

All job trays are stackable and have a label pocket.

Job Trays made of Recyclable Plastic

- Both trays are combinable

Average Size

- Extra high – 65 mm
 - With separate divisions for lenses and small parts
 - Inner size (w x h x d): 162 x 65 x 255 mm
- The suitable metal stand No. 1201867 can be found on page G 8.

 Outer measurements:
170 x 70 x 262 mm

 10 pieces with labels

1201791 Transparent
144727



Average Size

- With separate divisions for lenses and small parts
 - Inner size (w x h x d): 162 x 43 x 255 mm
- The suitable metal stand No. 1201866 can be found on page G 8.

 Outer measurements:
170 x 48 x 262 mm

 10 pieces with labels

1201809 Red
145605

1201810 Transparent
145627

1201811 Smoky grey
145628



Foam Insert

- For job trays with divisions No. 1201791 and 1201809–11
- Lenses can be removed easily – even with short or artificial fingernails
- Protects against chipping
- Colour: Anthracite

 80 x 10 x 80 mm

 20 pieces

1201812
145630



Metal Stand for Job Trays Average Size

- To store 10 (48 mm high) or 8 (70 mm high) job trays
- Easy handling due to a practical carry handle
- **Job trays not included**

 200 x 630 x 240 mm

For 10 job trays No. 1201809–11

1201866  2.2 kg
147900

For 8 extra high job trays No. 1201791

1201867  1.8 kg
147901



Job Tray – Small Size

- Inner size (w x h x d): 138 x 36 x 216 mm

 Outer measurements:
142 x 39 x 240 mm  10 pieces with labels

1201808 Transparent
145527



Job Tray Labels

- 1-sided foil coating (rewritable)

 80 x 25 x 0.5 mm  10 pieces

1200008 For No. 1201791 and 1201809–11
007900



Small Parts Organiser

- With 15 compartments for several spare parts
- Removable dividers
- Material: PP

 105 x 23.5 x 178 mm

1201776
143500



Assortment Box with 5 Compartments

- With 5 compartments for several spare parts
- Material: PP

 130 x 35 x 90 mm

1201780
143800



Assortment Box, medium

- Material: Impact-proof ABS plastic
- Safe locking fastener
- Stackable
- Dividing inserts available separately (No. 1201789 and 1201797), can be found on page G 10

 190 x 37 x 126 mm

1201788
144520



Insert

For assortment box **No. 1201788**, divided into 9 big compartments.

 182 x 106 x 15 mm

1201797
145100



Insert

For assortment box **No. 1201788**, divided into 25 small compartments.

 182 x 106 x 15 mm

1201789
144600



Small Parts Box

With 7 separately opening compartments.
Colour: Transparent

 8.7 cm  3 pieces

1201778
143700



Little boxes – great benefits!

**Make room, clean up and always ready for work:
The perfect place to store frame parts.**

Hinged Boxes

- Transparent, self-closing lid
- All sides interlock
- All sizes fit together



Hinged Boxes

- For nose pads, screws etc.
- Inner size (w x h x d): 37 x 15 x 40 mm

 Outer measurements:
42 x 18 x 57 mm

 4 pieces

1201813 White
145710

1201817 Blue
145820



Hinged Box Grey

- For temple tips
- Inner size (w x h x d): 57 x 15 x 68 mm

 Outer measurements:
63 x 18 x 85 mm

 4 pieces

1201821
145930



Hinged Box White

- For screws, washers and nuts
- Inner size (w x h x d): 37 x 15 x 12 mm

 Outer measurements:
43 x 18 x 29 mm

 4 pieces

1201816
145720

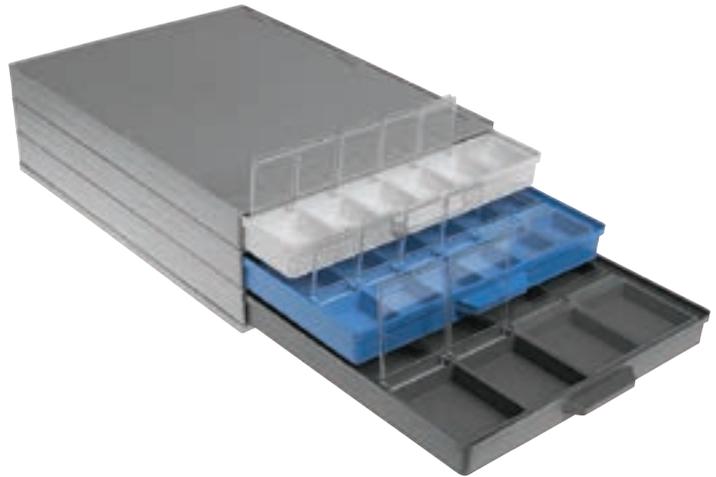


Small Parts Magazine, with 3 Drawers, including Hinged Boxes

- **Complete with:**
- 36 hinged boxes – No. 1201813, white, **empty**
- 36 hinged boxes – No. 1201817, blue, **empty**
- 16 hinged boxes – No. 1201821, grey, **empty**
- Case colour: Light grey

 265 x 108 x 364 mm

1201824
145950



Small Parts Magazine, with 3 Drawers, without Hinged Boxes

- White, blue, grey – for storage of small parts
- Suitable for hinged boxes No. 1201813, 1201816, 1201817 and 1201821
- Maximum number of hinged boxes per drawer see No. 1201824
- Case colour: Light grey

 265 x 108 x 364 mm

1201820
145850



Assembly example



Dispensing Cosmetic Mirror

- Diameter: 17 cm
- Height: 23 cm
- With 1 x and 2 x magnification

1206195
729002



Hand Cosmetic Mirror

- Diameter: 17 cm
- Total length: 30 cm
- With 1 x and 2 x magnification

1206196
729003



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Explanation of symbols



Note



Diameter



Thickness
eye wire



Length or width



Thickness



Weight



Height



Thickness
lens washer



Packing unit:
piece/pair



Dimensions
width × depth or
width × height × depth

Space for Your Notes:

A series of horizontal dotted lines for writing notes, arranged in a regular, repeating pattern across the page.

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Project Management Katrin Gaarz, Bastian Trumfheller, Christine Füger, Ayse Siegel, Nadine Hauck and Jörg Kihm

Creation / Artwork Beatrix Spohner, Kim Rosenbrock, Roswitha Pitz and Claudia Stamm

Photo Behrendt & Rausch, Martin Joppen Photographie

Production L.N. Schaffrath GmbH & Co. KG DruckMedien



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