

ServiceCentre

TheLabModularSystem
EasyNavigationConcept



centrostyle®
around people



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3.1 METAL SCREWDRIVERS WITH SILICONE HANDLES

Stainless steel blades with hexagonal plug-in



FLAT SCREWDRIVER KIT

Ref. 02196

- 6 screwdrivers:
 - 0,8 - 1,0 - 1,4 - 1,8 - 2,0 - 2,3 mm
- 12 spare blades (2 of each Ref.)
- Large knob 1 pc.
- Stand included



REPLACEABLE LARGE KNOB

Ref. 02248

Ø 25 mm

For extra power



SCREWDRIVERS

02200 0,8 02202 1,0 02204 1,4 02206 1,8 02208 2,0 02210 2,3



SPARE BLADES 2 pcs./Ref.

02201 0,8 02203 1,0 02205 1,4 02207 1,8 02209 2,0 02211 2,3



PHILLIPS AND TORX® SCREWDRIVER KIT

Ref. 02224

- 4 screwdrivers ● 1,5 - 2,0 - 2,5 mm - ★ Torx® T6
- 8 spare blades (2 of each Ref.)
- Large knob 1 pc.
- Stand included

02212 1,5 02214 2,0 02216 2,5 02218 TORX



SPARE BLADES 2 pcs./Ref.

02213 1,5 02215 2,0 02217 2,5 02219 TORX

METAL NUTDRIVERS WITH SILICONE HANDLES

3.1

Stainless steel blades with hexagonal plug-in



NUTDRIVER KIT

Ref. 02250

- 7 nutdrivers
 - Hexagonal 2,0 - 2,2 - 2,5 mm
 - Star 2,6 - 2,8 mm
 - 4 point 2,0 mm - ○ slot nut 3,0 mm
- 14 spare blades (2 of each Ref.)
- Stand included



Blade storage holders offer space for extra blades.

NUTDRIVERS



SPARE BLADES 2 pcs./Ref.



SCREWDRIVERS AND NUTDRIVERS EVOLVED TO FACILITATE THE OPTICIAN'S WORK

- Silicone material for a better grip
- Two different shape types: nut and screwdrivers
- S/steel blades with hexagonal joints: resistant and easy to replace
- Backpart graphic with tool size and type for quick identification
- Exchangeable large knob for extra grip

SCREWDRIVERS

- More grip needed: ergonomic shape with non-slip in front area

NUTDRIVERS

- Slim shape in front area allows more precision in use, especially for rimless assemblies
- Grip relief improves fixing



3.1 ALUMINIUM SCREWDRIVERS

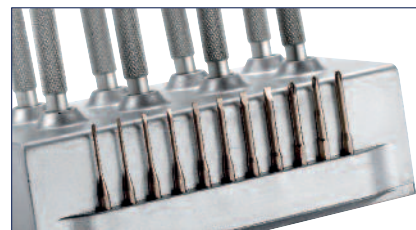
Lightweight - Stainless steel blades with hexagonal plug-in



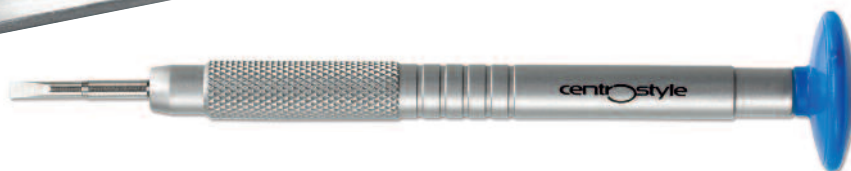
FLAT AND PHILLIPS SCREWDRIVER KIT

Ref. 02269

- 8 screwdrivers
 - 1,0 - 1,4 - 1,8 - 2,0 - 2,3 mm
 - 1,5 - 2,0 - 2,5 mm
- 16 spare blades (2 of each Ref.)
- Stand included



Blade storage holders offer space for extra blades.



FLAT SCREWDRIVERS

02260 1,0 02261 1,4 02262 1,8 02263 2,0 02264 2,3



SPARE BLADES 2 pcs./Ref. (hexagonal plug-in)

02203 1,0 02205 1,4 02207 1,8 02209 2,0 02211 2,3

PHILLIPS SCREWDRIVERS

02266 1,5 02267 2,0 02268 2,5



SPARE BLADES 2 pcs./Ref. (hexagonal plug-in)

02213 1,5 02215 2,0 02217 2,5

ALUMINIUM NUTDRIVERS

3.1

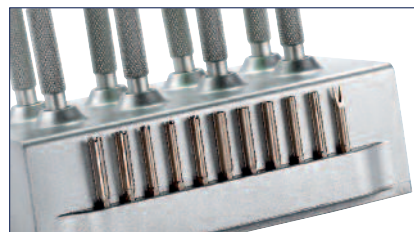
Lightweight - Stainless steel blades with hexagonal plug-in



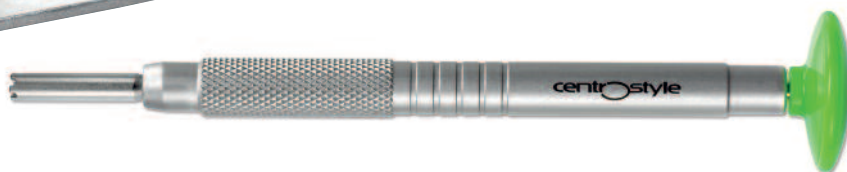
NUTDRIVER KIT

Ref. 02279

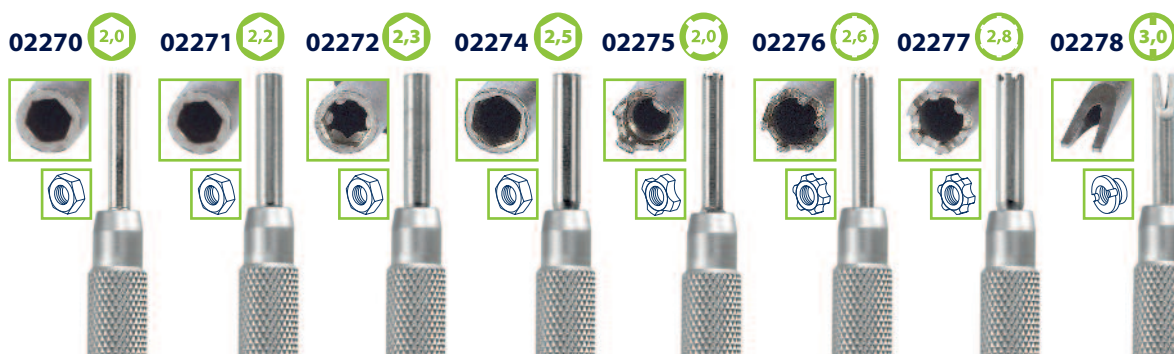
- 8 nutdrivers
 - Hexagonal 2,0 - 2,2 - 2,3 - 2,5 mm
 - Star 2,6 - 2,8 mm
 - 4 point 2,0 mm - ○ 2 point 3,0 mm
- 16 spare blades (2 of each Ref.)
- Stand included



Blade storage holders offer space for extra blades.



NUTDRIVERS



SPARE BLADES 2 pcs./Ref. (hexagonal plug-in)



Third Hand

SPARE BLADES

2 pcs./Ref. (hexagonal plug-in)

Ref. 02207

● 1,8 mm.

Ref. 02215

● 2,0 mm.

Ref. 02231

○ 2,0 mm.

Ref. 02237

○ 2,5 mm.

Ref. 02241

○ 2,6 mm.



THIRD HAND

Ideal for rimless frames.

Ref. 02126

Complete with 5 blades:

- Flat screwdriver blade 1,8 mm
- Phillips screwdriver blade 2,0 mm
- Hexagonal nutdriver blade 2,0 mm
- Hexagonal nutdriver blade 2,5 mm
- Star nutdriver blade 2,6 mm



3.1 METAL SCREWDRIVERS

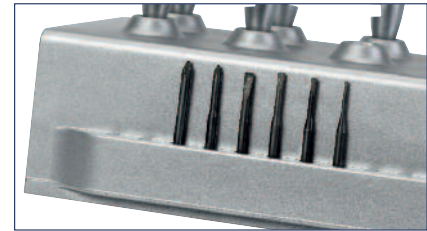
Flat and Phillips blades



FLAT AND PHILLIPS METAL SCREWDRIVER KIT

Ref. 02179

- 6 screwdrivers
 - 1,0 - 1,5 - 1,8 - 2,3 mm
 - ⊕ 2,0 - 2,5 mm
- 18 spare blades (3 of each Ref.)
- Tweezer Ref. 03705
- Stand included



Blade storage holders offer space for extra blades.

SPARE BLADES
3 pcs./Ref.



Ref. 02151
● 1,0 mm



Ref. 02153
● 1,5 mm



Ref. 02155
● 1,8 mm



Ref. 02161
● 2,3 mm



Ref. 02159
⊕ 2,0 mm (DIN 00)



Ref. 02163
⊕ 2,5 mm (DIN 0)

FLAT AND PHILLIPS METAL SCREWDRIVERS WITH SLOT PLUG-IN BLADES



Ref. 02170
● 1,0 mm



Ref. 02172
● 1,5 mm



Ref. 02174
● 1,8 mm



Ref. 02176
● 2,3 mm



Ref. 02178
⊕ 2,0 mm (DIN 00)



Ref. 02180
⊕ 2,5 mm (DIN 0)

SCREWDRIVER WITH SLOT PLUG-IN BLADES ● ⊕

Screwdriver complete with 4 interchangeable blades:

- 1,0-1,5-1,8 mm
- ⊕ 2,0 mm



Ref. 02167

Spare blade holder



Flat and Phillips Blades



FLAT AND PHILLIPS METAL SCREWDRIVERS WITH SLOT PLUG-IN BLADES

Ref. 02165

SCREWDRIVERS KIT

● 1,0-1,5-1,8-2,3 mm

⊕ 2,0 mm

Wooden stand included

FLAT AND PHILLIPS METAL SCREWDRIVERS WITH SLOT PLUG-IN BLADES

SPARE
BLADES
3 pcs./Ref.

02151

● 1,0 mm

02153

● 1,5 mm

02155

● 1,8 mm

02157

● 2,0 mm

02161

● 2,3 mm

02159

⊕ 2,0 mm

02152
● 1,5 mm



02154
● 1,8 mm



02156
● 2,0 mm



02160
● 2,3 mm



02158
⊕ 2,0 mm



HEAVY-DUTY SCREWDRIVER WITH SLOT PLUG-IN BLADES ●



Spare blade
holder

Ref. 02168

Screwdriver complete with
4 interchangeable blades:

● 1,0-1,5-1,8-2,0 mm



NUTDRIVERS



NUTDRIVERS WITH SLOT PLUG-IN BLADES

SPARE
BLADES

1 pc./Ref.

02061

⊕ 2,0 mm

02063

⊕ 2,2 mm

02065

⊕ 2,5 mm

02067

⊕ 2,0 mm

02069

⊕ 2,6 mm

02071

⊕ 2,8 mm

02060
2,0 mm



02062
2,2 mm



02064
2,5 mm



02066
2,0 mm



02068
2,6 mm



02070
2,8 mm



3.1 ECO-LINE SCREWDRIVERS

Aluminium and metal handle - Stainelss steel blades



FLAT AND PHILLIPS SCREWDRIVER KIT

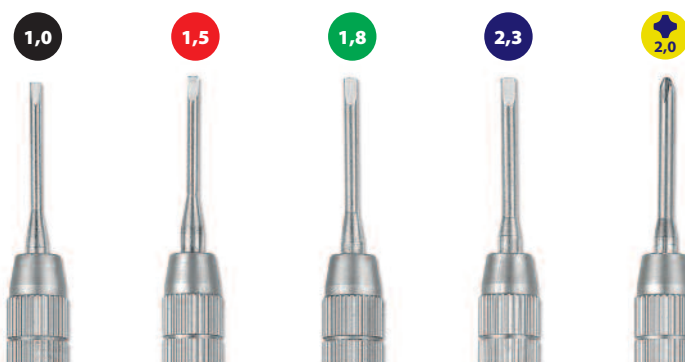
Ref. 02029

- 5 screwdrivers
 - 1,0 - 1,5 - 1,8 - 2,3 mm
 - ✦ 2,0 mm
- 10 spare blades (2 of each Ref.)
- Stand included



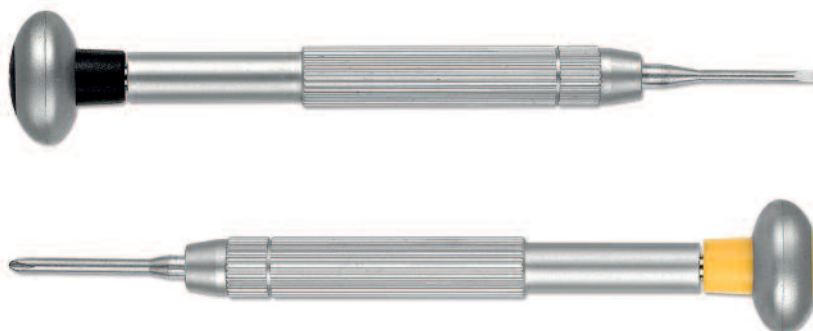
Blade storage holders offer space for extra blades.

FLAT AND PHILLIPS ALUMINIUM SCREWDRIVERS



SPARE BLADES 2 pcs./Ref.

02031 1,0 02033 1,5 02035 1,8 02037 2,3 02039 2,0



With 4 interchangeable blades

SPARE BLADES

2 pcs./Ref. (hexagonal plug-in)

Ref. 02205

● 1,4 mm

Ref. 02207

● 1,8 mm

Ref. 02211

● 2,3 mm

Ref. 02215

⊕ 2,0 mm

BALL BEARING SCREWDRIVER WITH 4 BLADES ● ⊕



SPARE BLADES

2 pcs./Ref. (hexagonal plug-in)

Ref. 02203

● 1,0 mm

Ref. 02205

● 1,4 mm

Ref. 02207

● 1,8 mm

Ref. 02209

● 2,0 mm

SCREWDRIVER WITH HEXAGONAL PLUG-IN BLADES ●



SPARE BLADES

2 pcs./Ref. (hexagonal plug-in)

Ref. 02213

⊕ 1,5 mm

Ref. 02235

⊕ 1,8 mm

Ref. 02215

⊕ 2,0 mm

Ref. 02217

⊕ 2,5 mm

SCREWDRIVER WITH HEXAGONAL PLUG-IN BLADES ⊕



SPARE BLADES

2 pcs./Ref. (hexagonal plug-in)

Ref. 02281

★ Torx® T3

Ref. 02282

★ Torx® T4

Ref. 02283

★ Torx® T5

Ref. 02219

★ Torx® T6

TORX SCREWDRIVER WITH HEXAGONAL PLUG-IN



NEW



SPARE BLADES

2 pcs./Ref. (hexagonal plug-in)

Ref. 02286

● HX 1,3

Ref. 02287

● HX 1,5

Ref. 02288

● HX 2,0

Ref. 02289

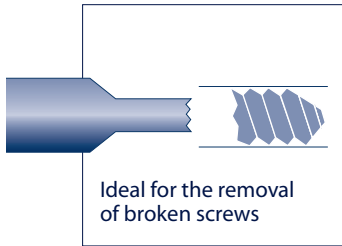
● HX 2,1

HEXAGONAL SCREWDRIVER WITH HEXAGONAL PLUG-IN BLADES ● **NEW**

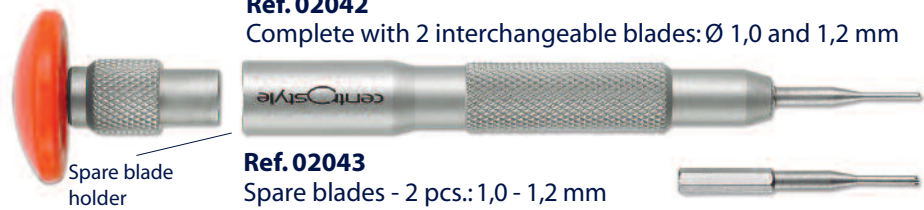


3.2 OPTICAL TOOLS

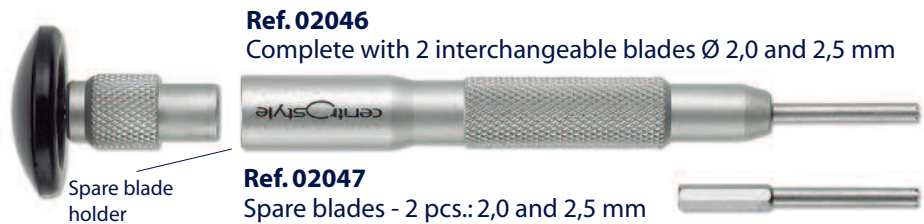
Screw extractor - Millers - Hinge hole aligner - Broach holder



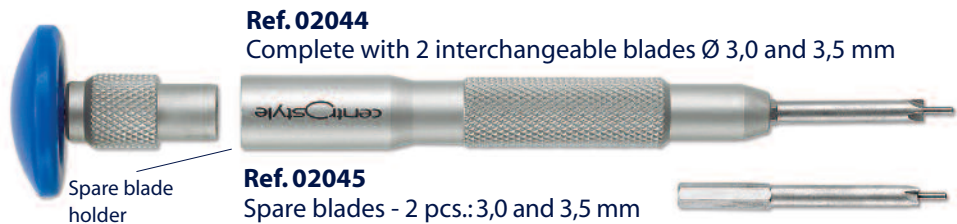
SCREW EXTRACTOR



SCREW END MILLER FOR SMOOTHING RIMLESS SCREW ENDS



HINGE AND TEMPLE MILLER FOR REDUCING CHARNIER THICKNESS



HINGE HOLE ALIGNER



BROACH HOLDER FOR REAMERS AND TAPS



Pocket Screwdrivers

5-IN-1 POCKET SCREWDRIVER



Ref. 02082P

5-in-1 pocket screwdriver
Ref. 02082 with your
imprint on the case.
Minimum quantity:
150 pcs.



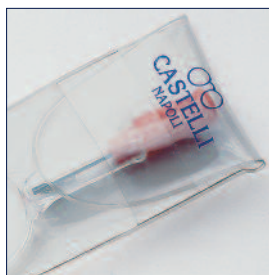
Ref. 02081

5-in-1 pocket
screwdriver. 24 pcs.

Ref. 02082

5-in-1 pocket screwdriver Ref. 02081
with plastic case. 24 pcs.

SCREWDRIVER REPAIR KIT



Ref. 02096

Pocket screwdriver
Ref. 02098 with your imprint
on the case.
Minimum quantity: 150 pcs.



Ref. 02098

Screwdriver with magnifier and spare screws in
plastic case. 12 pcs.

Table magnifier



Clamp fixing



Ref. 21908

4D - 2x
Ø 90 mm
Weight: 115 g

Ref. 21909

3,5D - 2x
Ø 110 mm
Weight: 115 g

Flexible arm
h = 150 mm

3.2 UTILITIES FOR YOUR LAB

Soft Pad - Smarty Base

SOFT SILICONE PAD

Ref. 02190

Enables the use of table edges as assembly corners. Scratch protection for glasses.

SILICONE SMARTY BASE

Ref. 02192

Triangle is a separated part and can be rotated to reach the ideal position for each specific spectacle frame model.



Silicone trays



T-SHIRT BOX

Ref. 02193

Frame and components all in one place.

SQUARE BOX

Ref. 02189

A compact space for repairs and assemblies ideal also in the shop.



SCOOP - Protects lenses of rimless frames during assembly



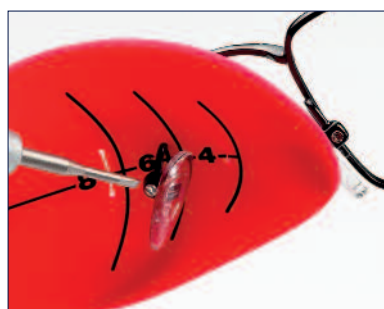
SCOOP

Ref. 02195

Non slip silicone protection pad. Apply on rimless lenses to prevent scratching during assembly.



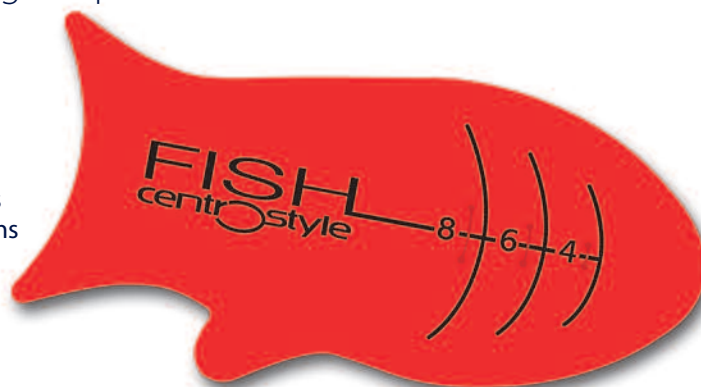
FISH - Protects lenses while inserting the pad screws



FISH

Ref. 02194

Silicone protection pad to be inserted through nose pad arms and sides to prevent lens scratching during assembly.



GHOST - Protects lenses while inserting the pad screws



GHOST

Ref. 02191

Silicone protection pad to be inserted through nose pad arms and sides to prevent lens scratching during assembly. Ideal for blocking screws and pad screws.



3.2 MAGNIFIERS WITH LED LIGHT

60 LED with white light, ideal for the lab



Ref. 22286

3D - 1,75x

Magnifier 174x108 mm

Large vision field.

Flexible arm with clamp fixing.

Maximum depth 70 mm

Weight: 2,0 kg



Ref. 22283

3D & 12D - 1,75x - 4x

Stand magnifier Ø 100 mm

Large vision field.

With bifocal magnifier Ø 20 mm

Bendable arm h = 320 mm

Weight: 1,4 kg



Starter Kit for optical schools



The case helps you to store and transport your tools and to keep them in order.

Ref. 03910

Hard case containing the following tools:

- Phillips head screwdriver 2,0 mm (DIN 00)
 - Screwdriver 1,8 mm
 - Screwdriver 2,3 mm
 - Carbide tip marker
 - Red extra-fine permanent marker pen 0.4 mm
 - Plastic PD ruler 170 mm
 - Plastic PD scale with eye occluder 150 mm
 - Clipping plier with interchangeable jaws
 - Multi-purpose scissors
 - Protective goggle
 - Macroclean 1 EV King Size 40x40 mm
- Dimensions: 275x190x60 mm
Weight: 590 g

3.3 SCREW EJECTOR

To eject broken screws from temple hinges and eyerims

Ref. 03800

Ejector to extract broken screws from hinges and eyerims. Complete with starter set.

STARTER SET ACCESSORIES



Ref. 03801
Temple point
for temples

2,0 mm bore



Ref. 03802
Anvil for screws
with 1.8 mm
head

2,7 mm bore



Ref. 03803
Anvil for screws
with 2.5 mm
head

3,0 mm bore



Ref. 03804
Anvil for screws
with 2.8 mm
head



Ref. 03805
Point for eyerims
and screws
difficult to reach

foro 1,0 mm

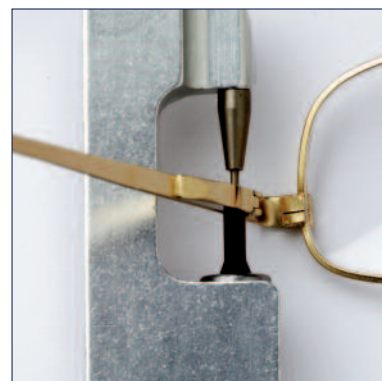


Ref. 03806
Eyering anvil

ACCESSORIES ON REQUEST



Ref. 03809
Point and flat anvil
for screw riveting



HANDHELD CLAVULUS

3.3

For removing broken screws

Ref. 04072

Handheld Clavulus
to remove broken
screws from hinges
and rim locking blocks.

Complete with
4 different sleeves
for different screw
diameters:

Ø 2,0 - h. 9 mm

Ø 2,0 - h. 13 mm

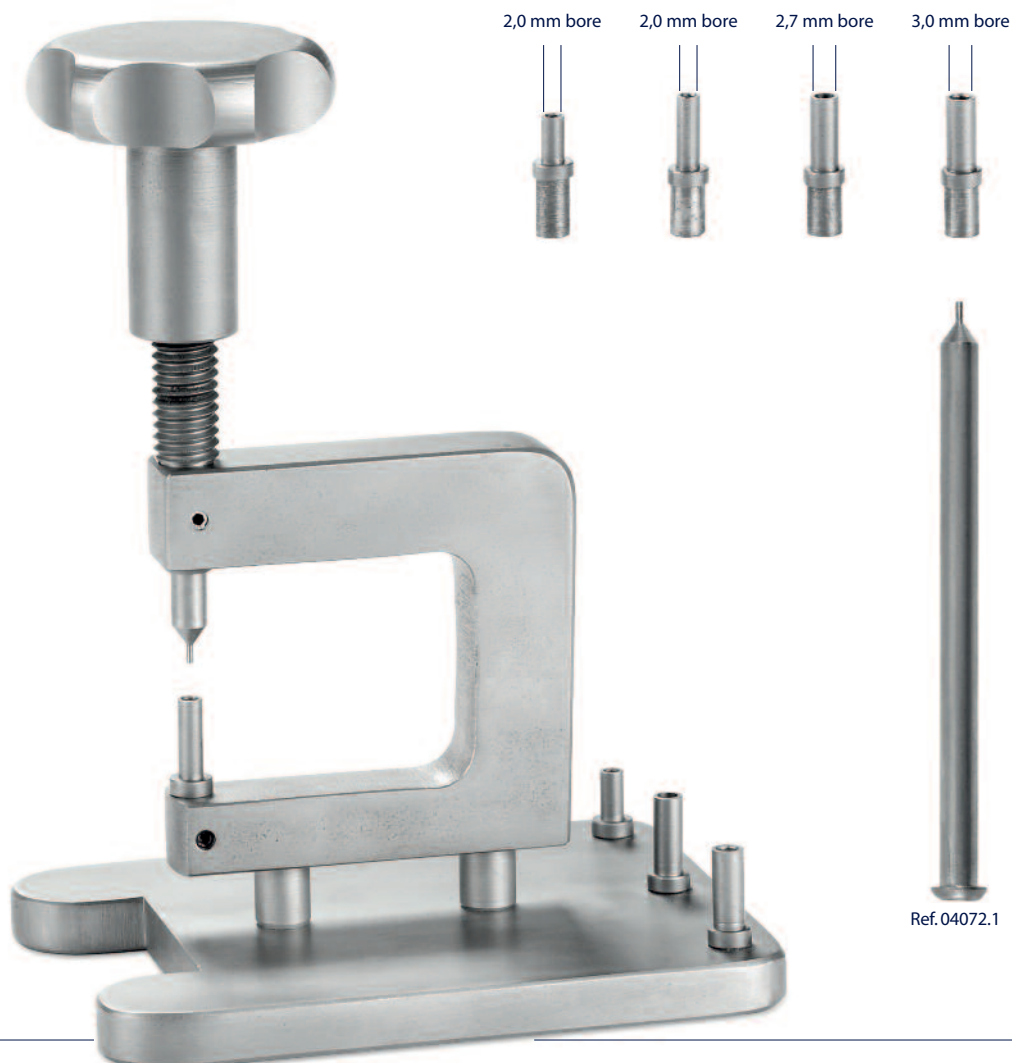
Ø 2,7 - h. 13 mm

Ø 3,0 - h. 13 mm

Ref. 04072.1

Spare pins

3 pcs.



3.3 CLAVULUS

To repair plastic and metal frames

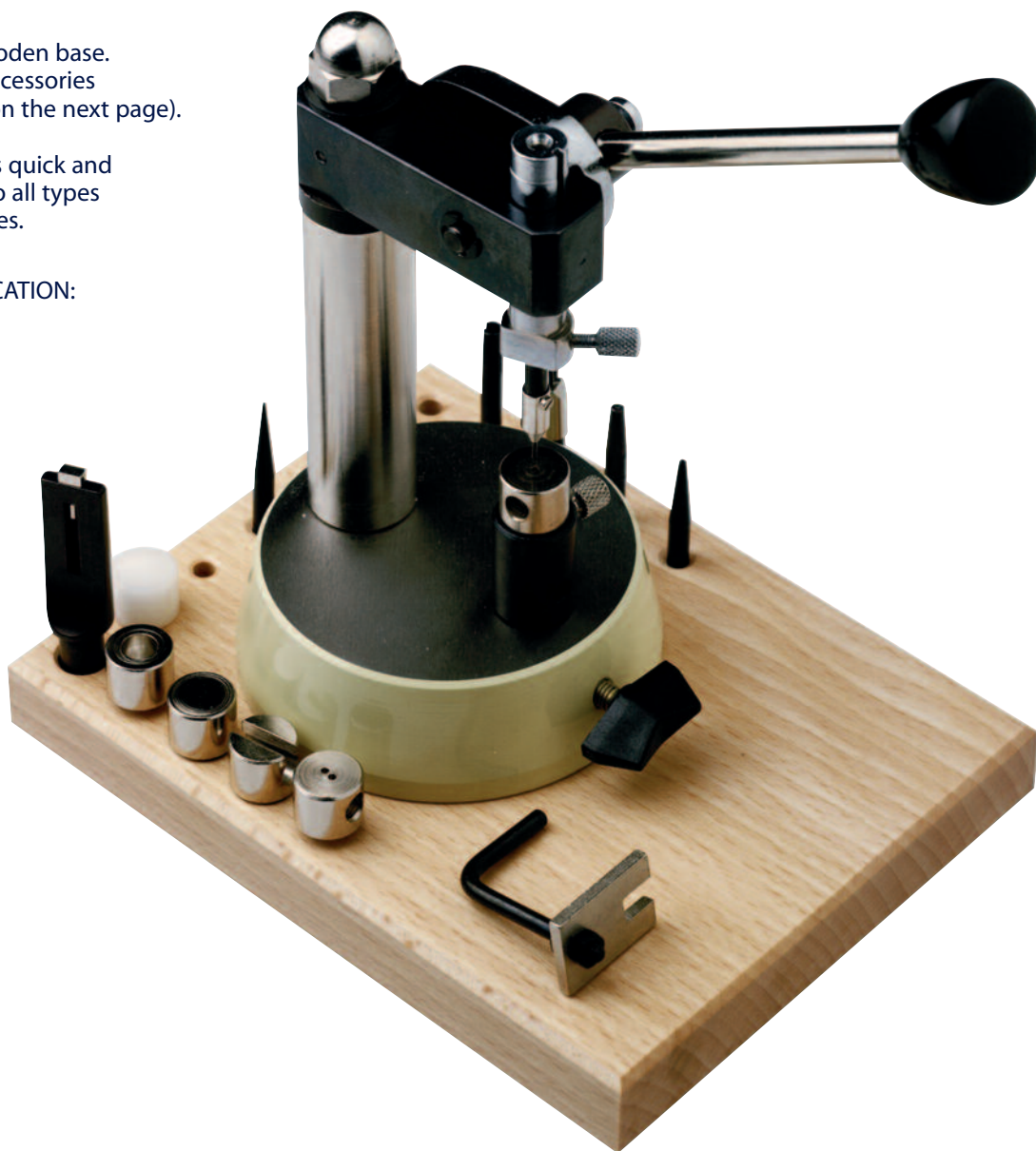
Ref. 04070

Clavulus with wooden base.
Complete with accessories
(marked with * on the next page).

This tool provides quick and
efficient repairs to all types
of spectacle frames.

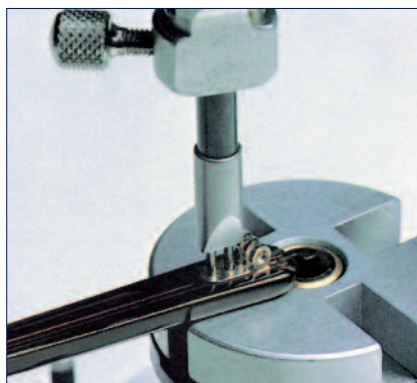
FIELDS OF APPLICATION:

- riveting
- milling
- marking
- punching
- bending
- cutting



RIVETING

Use tool Ref. 04004 or
Ref. 04005 and anvil
Ref. 04028



PUNCHES

Pre-punching for fixing hinges
with tools Ref. 04009 or Ref. 04013
and anvil Ref. 04028.



SCREW PEENING

Use tool Ref. 04001 and anvil
Ref. 04023 with base Ref. 04016.

Accessories and parts

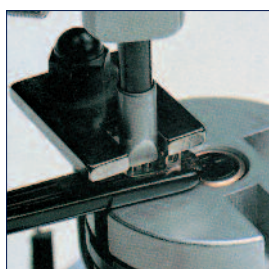
TOOLS



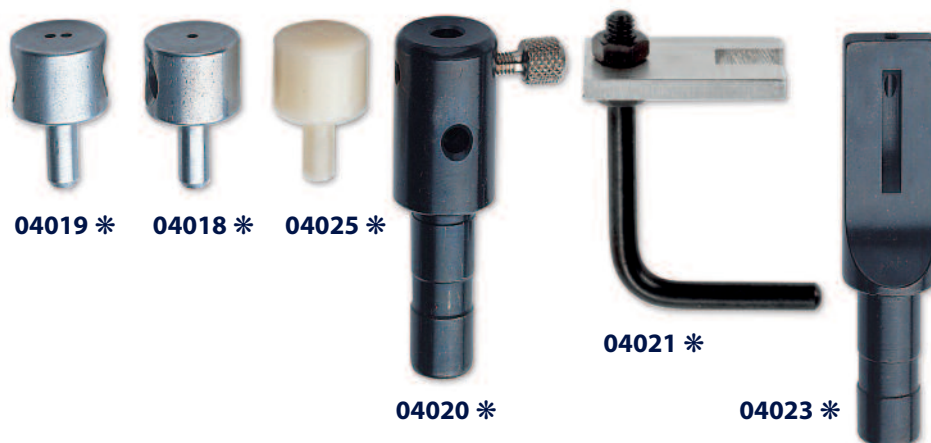
FOR REMOVAL OF
BROKEN SCREWS
Use tool Ref. 04002
with anvil Ref. 04061.



ANVILS



FOR REMOVAL OF
BROKEN HINGES
Use tool Ref. 04009
and tool Ref. 04013
(temple holder for
punch extraction)
with Ref. 04021.



SPARE PARTS FOR REF. 04070



SLOTTED ANVIL



BENDING DEVICE



FOR BRIDGE NARROWING
Two moulds for different
frame shapes.



04065 With wide and narrow moulds and one former

3.4 RIMLESS DRILLS AND MILLERS

In hard metal (carbide)

Ref. 02399

Assortment of
11 hard metal drills
1 pc./Ref.
(Ref. 02338-Ref. 02394
not included).



Very hard drills ideal
for plastic materials,
polycarbonate and
trivex.
Optimal in high
rotation
(1000 to 5000 rpm).
Brittle in case of
bending or shock.

HARD METAL DRILLS AND MILLERS

Shaft Ø 3.2 mm

2 pcs.



SPECIAL HARD METAL DRILL AND MILLER Shaft Ø 3.2 mm

1 pc.



MILLER FOR POLYCARBONATE
AND TRIVEX LENSES

Ref. 02392
Ø 1,2 mm
Shaft
Ø 3,2 mm



DRILL FOR GLASS
LENSES

Ref. 02393
Ø 1,3 mm
Shaft
Ø 3,2 mm
Use at slow speed
(400 rpm).
With cutting oil.

HARD METAL DRILLS AND MILLERS FOR AUTOMATIC EDGERS

1 pc.

FOR PLASTIC, POLYCARBONATE
AND TRIVEX LENSES

NEW Ref. 02359

Rotation R

Ref. 02364

Rotation L

Ø 1,0 mm.

Shaft

Ø 3,0 mm

For W.B. Edgers



Ref. 02367

Ø 1,0 mm

Shaft

Ø 1,5 mm

For E. KCTD

Edgers



Ref. 02368

Ø 1,0 mm

Shaft

Ø 1,6 mm

For E. MR. B.

Edgers



MILLER

Ref. 02369

Ø 1,0 mm.

Shaft

Ø 2,0 mm

For E. MR. B.

Edgers



Ref. 02366

Ø 1,0 mm

Shaft

Ø 3,0 mm

For W. PRO L.

Edgers



Ref. 02363

Ø 1,0 mm.

Shaft

Ø 3,175 mm

For N.

Edgers



For lenses



COUNTERSINKING MILLER

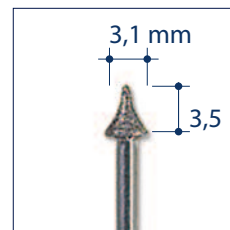
Shaft Ø 1.6 mm

1 pc.



Ref. 02374

Hand mill only.
Removes sharp edges and lens stress.
Reduces edge chipping and splitting.
Use with tool holder Ref. 02544



CYLINDRICAL MILLER

Shaft Ø 1.6 mm

1 pc.

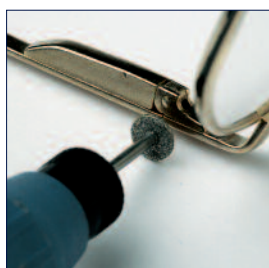


Ref. 02371

For drilling notches
(in plastic and glass lenses).



For frames



WHEEL MILLERS

Shaft Ø 1.6 mm

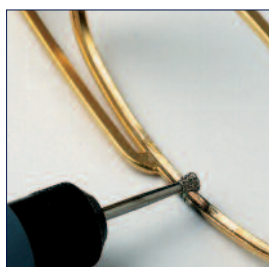
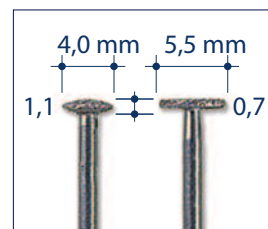
1 pc.



02372

02373

For cutting thick lens
edges that protrude
beyond frame rim or
to re-slot broken
screws.



TAPERED MILLER

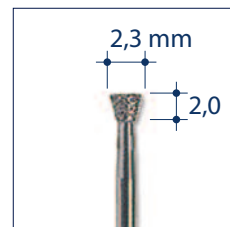
Shaft Ø 1.6 mm

1 pc.



Ref. 02370

For cleaning and
polishing the frame
groove after soldering.



Ref. 02379

DIAMOND MILLER KIT

Assortment of 5 diamond tools

1 pc./Ref.

For lenses: Ref. 02371

Ref. 02374

For frames: Ref. 02370

Ref. 02372

Ref. 02373

3.4 DRILLS, TAPS AND MILLERS

In HHS steel

TWIST DRILLS HSS - WORKING SPEED 800 TO 3000 RPM

3 pcs.



Ref. 02312

Assortment of 18 twist drills in plastic wallet (2 each size).



SCREW TAPS

1 pc.



Ref. 02365

Assortment of 9 taps in plastic wallet (1 each size).

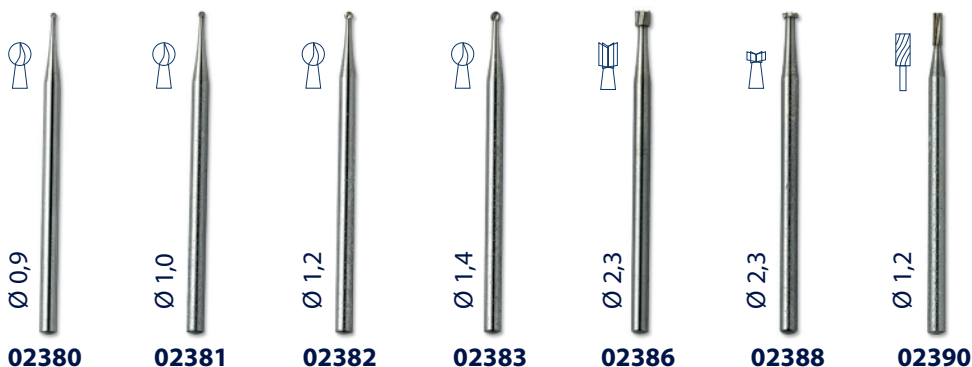


Ref. 02544 Broach holder

MILLERS

Shaft Ø 2,34 mm.

3 pcs.



SPECIAL STAINLESS STEEL MILLERS (for Drill)

Shaft Ø 2,34 mm.

2 pcs.



NEW
FOR RIMLESS
SCREWS
Ref. 02389
For smoothing
rimless screw
ends.



NEW
TO INSERT
STRASS
Ref. 02384
Countersink
to insert the strass.



Brushes, grinders, millers, cutting wheels and polishers



BRUSHES - Ø 20 mm - Shaft Ø 2,34 mm

6 pcs.



Ref. 02421
brass wire



Ref. 02422
steel wire



Ref. 02424
felt



Ref. 02426
soft cotton



Ref. 02429
hard felt

CARBORUNDUM GRINDERS - Shaft Ø 2.35 mm

6 pcs.



02430



02431



02432



02433

Ref. 02460

Assorted finishing accessory set on wooden tray:
8 brushes, 4 grinders, 6 drills,
6 millers.
Size: 155x80x22 mm



Ref. 02440
Mandrel Ø 2.35 mm
2 pcs.

CUTTING WHEELS - Mandrel Ref. 02440 not included



Ref. 02445
Parting wheel
Ø 24 mm
12 pcs.



Ref. 02448
Metal cutting wheel
Ø 16-19-22 mm.
Mandrel included
3 pcs.

SILICONE POLISHERS - Mandrel Ref. 02440 not included

4 pcs.



Ref. 02442
Polishing wheel.



Ref. 02443
Wedge polishing wheel.



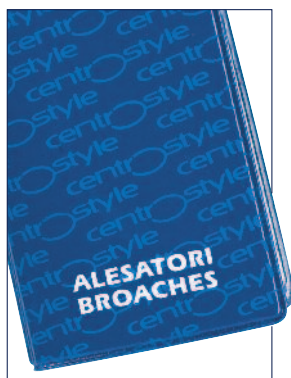
Ref. 02444
Fine abrasion rubber wheel.



Ref. 02447
Coarse abrasion rubber wheel.

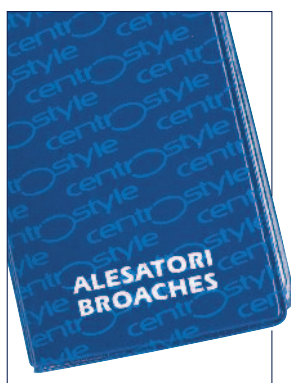
3.6 REAMERS AND BROACHES

For opticians, jewellers and goldsmiths



Ref. 02519

5 assorted tapered reamers with handles in plastic case (1 each size).



Ref. 02509

5 assorted tapered reamers without handles in plastic case (1 each size).



TAPERED REAMERS WITH PLASTIC HANDLES

 2 pcs.



TAPERED REAMERS WITHOUT HANDLES

 2 pcs.



BROACH HOLDER FOR REAMERS AND TAPS

 1 pc.

Ref. 02544

With 2 interchangeable steel collets 0,1÷3,0 mm





FLAT NEEDLE FILE

100 mm

1 pc.

Cut 2



Shape



02908



LENS DRILL HOLE AND HINGE FILE

102 mm

1 pc.

Cut 3



Shape



02920 Ø 1,0 mm



02922 Ø 1,3 mm



NEEDLE FILES EXTRA QUALITY

160 mm

1 pc.

Cut 0



Shape

ROUND KNURLED HANDLE - NO SLIP



02900

Cut 2

02910



02901

02911



02902

02912



02903

02913



02904

02914



Ref. 02939

Needle file handle - 1 pc.



02905 02915

Needle file set - 5 pcs.

OPTICIANS FILES FOR METAL

100 mm

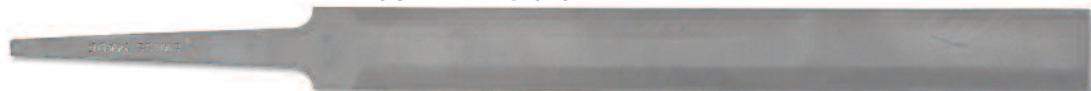
1 pc.

Cut 5



Shape

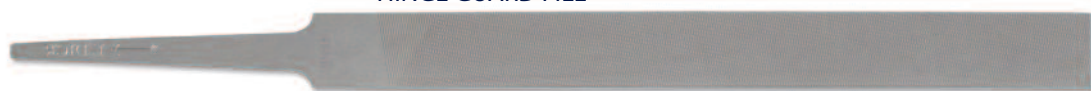
SCREW HEAD SLOT FILE



Ref. 02941

Thickness:
at edges 0,15 mm
in centre 0,40 mm

HINGE GUARD FILE



Cut 3



Ref. 02945

Thickness 0,6 mm

FLAT TAPERED TIP FILE

125 mm

1 pc.

Cut 3



Shape



Ref. 02940 one side plain to adjust sides on the front of plastic frames

FILE FOR PLASTIC MATERIAL

125 mm

1 pc.

Cut 1-3



Shape



Ref. 02950 Flat file for plastic material - one narrow side with stroke



Ref. 02975 Wooden file handle 100 mm - 1 pc.

3.6 GLASS CUTTER - SCISSORS - SCALPEL KNIFE

For opticians and optical technicians

GLASS CUTTERS

Ref. 02811

Carbide point



Ref. 02812

Spare carbide point Ø 2 mm - 1 pc.



SCISSORS AND SCALPEL KNIFE

Ref. 03781

Metal snippers with straight blades.
Ideal to shape clip-ons.
180 mm



Ref. 03785

Scalpel knife with metal handle and 2 spare blades
150 mm



Ref. 03786

Spare blade 3 pcs.

Scalpel knife for
modelling patterns,
clip-on lenses, nylon
threads, foils.

MULTI-PURPOSE SCISSORS

Ref. 03782

With plastic covered handles
for easy cutting of pattern blanks



OIL DROPPER

Ref. 02985 Oil dropper



Ref. 02987 Oil - 10 ml
Ideal for spring hinges



For opticians and optical technicians

HAMMER

Ref. 02866
Round head
weight: 50 g



VICE

Ref. 02990

Able to swivel through 360°, this vice adjusts to any working position. Removable 70 mm rubber pads. Can be bench-mounted by either suction caps or screws.

Ref. 02991

Spare parts
Rubber pads 70 mm
2 pcs.

3.6 MEASURING INSTRUMENTS

Lens clock



Ref. 04980

LENS CLOCK WITH SAPPHIRE BALL TIPS

The lens clock measures the lens curve (base)

and determines the optical power of the lens.

Measuring range: 0 - 20 dioptres

Double scale for refraction index: $n=1.523$ and $n=1.70$

Example 1

LENS CURVE READING WITH SCALE $n=1.523$

External lens surface (positive): $+4.0$ dpt = BASE 4

Example 2

LENS CURVE READING WITH SCALES $n=1.523$ and $n=1.70$

External lens surface (positive): $+4.0$ dpt

Internal lens surface (negative): -2.0 dpt =

Optical power: $+2.0$ dpt

Thickness gauges



Ref. 04950

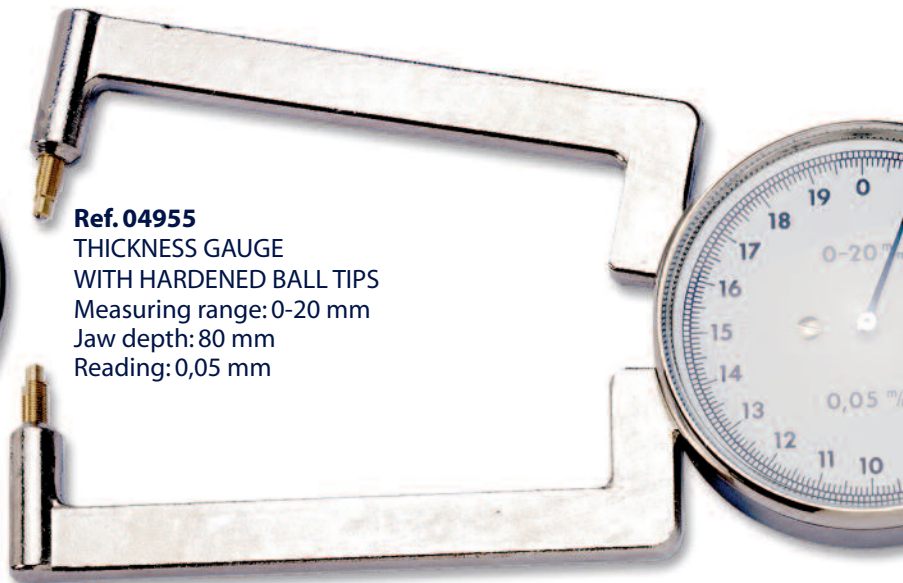
THICKNESS GAUGE

WITH HARDENED BALL TIPS

Measuring range: 0-10 mm

Jaw depth: 35 mm

Reading: 0,05 mm



Ref. 04955

THICKNESS GAUGE

WITH HARDENED BALL TIPS

Measuring range: 0-20 mm

Jaw depth: 80 mm

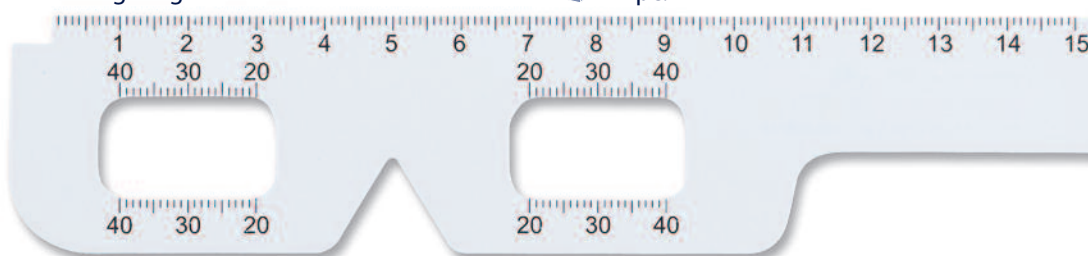
Reading: 0,05 mm

PD-scales

Ref. 04959 Plastic PD scale with eye occluder

Measuring range: 150 mm

 1 pc.



PLASTIC - 170 mm

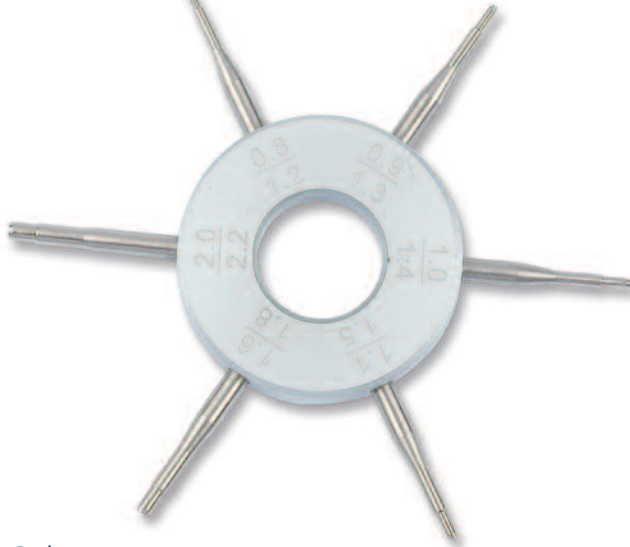
Ref. 04954

Highly flexible, scale non-erasable.

 1 pc.



Lens hole gauge



Ref. 04962

Ideal for quickly checking the rimless lens hole diameter.
6 rounded steel tips each one with a double measuring scale.

0.8-1.2 mm	0.9-1.3 mm	1.0-1.4 mm
1.1-1.5 mm	1.6-1.8 mm	2.0-2.2 mm

 1 pc.

Calipers

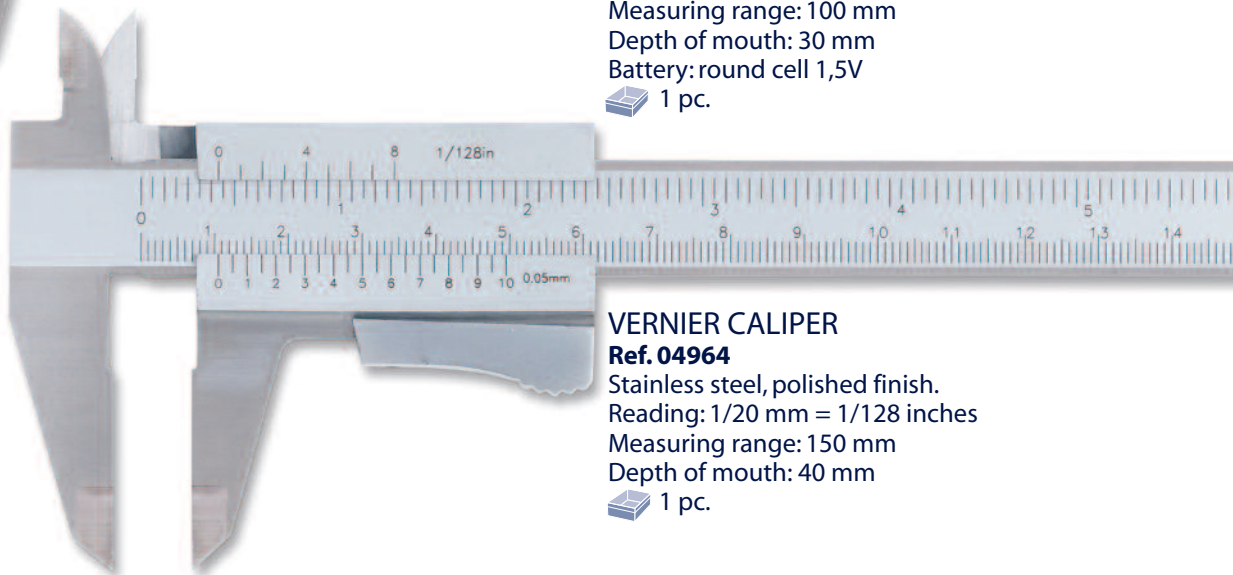


DIGITAL CALIPER GAUGE

Ref. 04960

Digital display "mm" and "inch" readings.
Reading: 0,01 mm = 0.004 inches
Measuring range: 100 mm
Depth of mouth: 30 mm
Battery: round cell 1,5V

 1 pc.



VERNIER CALIPER

Ref. 04964

Stainless steel, polished finish.
Reading: 1/20 mm = 1/128 inches
Measuring range: 150 mm
Depth of mouth: 40 mm

 1 pc.

Rulers

Ref. 04958

S/steel ruler - Measuring range: 0-200 mm

 1 pc.

