





SPECTACLE FRAME PARTS

in exact dosage with targeted effect



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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

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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
- 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 and TPE Pads</p> <ul style="list-style-type: none"> ▪ Saddle 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 and Nose Bridges</p> <ul style="list-style-type: none"> ▪ Nose Pads for Special Applications ▪ Nose Pads for ic! berlin Frames ▪ Logic® ▪ Silicone Nose Bridges ▪ Nose Pads for Ray Ban Frames | <p>F 11 F 11 F 12 F 12 F 14</p> |
|  | <p>Hypo-allergenic Special Nose Pads</p> <ul style="list-style-type: none"> ▪ PCTG ▪ Titanium | <p>F 12 F 13</p> |
|  | <p>Nose Pad Cushion</p> <ul style="list-style-type: none"> ▪ Sponge ▪ Silicone | <p>F 15 F 16–F 17</p> |
|  | <p>Nose Pad Arms</p> <ul style="list-style-type: none"> ▪ For Plastic Frames ▪ For Metal Frames | <p>F 18–F 20 F 21</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 | 120 0334 0227 10 | 20 pieces |
| | | 108 3539 0227 10-100 | 100 pieces |
| | | 120 0336 0227 10-200 | 200 pieces |
|  13.0 mm | f&w | 108 4089 0227 13 | 20 pieces |
| | | 120 0341 0227 13-100 | 100 pieces |
| | | 120 0342 0227 13-200 | 200 pieces |
|  14.5 mm | f&w | 120 0345 0227 15 | 20 pieces |
| | | 120 0346 0227 15-100 | 100 pieces |
| | | 120 0347 0227 15-200 | 200 pieces |
|  16.0 mm | f&w | 120 0350 0227 16 | 20 pieces |
| | | 120 0351 0227 16-100 | 100 pieces |
| | | 120 0352 0227 16-200 | 200 pieces |
|  18.0 mm | f&w | 120 0355 0227 18 | 20 pieces |
| | | 120 0356 0227 18-100 | 100 pieces |
| | | 120 0357 0227 18-200 | 200 pieces |

Symmetrical Nose Pads, "Screw-in" System

| | | | |
|--|----------------|--------------------------------|------------|
|  10.0 mm | f&w | 120 0361 0228 10 | 20 pieces |
| | | 108 3540 0228 10-100 | 100 pieces |
| | | 120 0363 0228 10-200 | 200 pieces |
|  13.0 mm | f&w | 108 4088 0228 13 | 20 pieces |
| | | 120 0367 0228 13-100 | 100 pieces |
| | | 120 0369 0228 13-200 | 200 pieces |
|  14.5 mm | f&w | 120 0372 0228 15 | 20 pieces |
| | | 120 0373 0228 15-100 | 100 pieces |
| | | 120 0374 0228 15-200 | 200 pieces |
|  16.0 mm | f&w | 120 0377 0228 16 | 20 pieces |
| | | 120 0378 0228 16-100 | 100 pieces |
| | | 120 0379 0228 16-200 | 200 pieces |
|  18.0 mm | f&w | 120 0382 0228 18 | 20 pieces |
| | | 120 0383 0228 18-100 | 100 pieces |
| | | 120 0384 0228 18-200 | 200 pieces |

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

| | | | |
|--|---|--------------------------------|------------|
|  13.0 mm |  | 120 0287 0219 13 | 20 pieces |
| | | 120 0289 0219 13-50 | 50 pieces |
| | | 120 0288 0219 13-100 | 100 pieces |
|  15.0 mm |  | 120 0292 0219 15 | 20 pieces |
| | | 120 0294 0219 15-50 | 50 pieces |
| | | 120 0293 0219 15-100 | 100 pieces |

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

| | | | |
|--|---|--------------------------------|------------|
|  13.0 mm |  | 120 0387 0229 13 | 20 pieces |
| | | 120 0389 0229 13-50 | 50 pieces |
| | | 120 0388 0229 13-100 | 100 pieces |
|  15.0 mm |  | 120 0392 0229 15 | 20 pieces |
| | | 120 0394 0229 15-50 | 50 pieces |
| | | 120 0393 0229 15-100 | 100 pieces |

Silicone Nose Pads



Round and Classic, "Push-in" System



9.0 mm

f&w

108 0758

0278 09

20 pieces

120 0488

0278 09-100

100 pieces



15.0 mm

f&w

108 2570

0216 15

10 pairs

120 0266

0216 15-50

50 pairs

120 0265

0216 15-100

100 pairs



17.0 mm

f&w

120 0269

0216 17

10 pairs

120 0271

0216 17-50

50 pairs

120 0270

0216 17-100

100 pairs



19.0 mm

f&w

120 0274

0216 19

10 pairs

120 0276

0216 19-50

50 pairs

120 0275

0216 19-100

100 pairs



Round and Classic, "Screw-in" System



9.0 mm

f&w

108 0759

0288 09

20 pieces

120 0516

0288 09-100

100 pieces



15.0 mm

f&w

108 2571

0226 15

10 pairs

120 0319

0226 15-50

50 pairs

120 0318

0226 15-100

100 pairs



17.0 mm

f&w

120 0322

0226 17

10 pairs

120 0326

0226 17-50

50 pairs

120 0323

0226 17-100

100 pairs



19.0 mm

f&w

120 0329

0226 19

10 pairs

120 0331

0226 19-50

50 pairs

120 0330

0226 19-100

100 pairs


Silicone Nose Pad Assortment

In organiser boxes No. 120 1817.

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

We reserve the right to change the assortment.

120 0230
0200 10

 210 g



Our small parts organiser boxes can be found on page G 12 and G 13.



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.


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| Air Active Pads, Symmetrical, "Push-in" System | | | |
|---|----------------|----------------------------|-----------|
|  13.0 mm  | f&w | 120 0521 0296 13 | 10 pieces |
| with plastic insert | | | |
|  14.5 mm  | f&w | 120 0522 0296 14 | 10 pieces |
| with plastic insert | | | |
|  14.5 mm  | f&w | 130 1450 | 10 pieces |
| with plastic insert | | | |
|  17.0 mm  | f&w | 120 0523 0296 17 | 10 pieces |
| with plastic insert | | | |

| Air Active Pads, Symmetrical, "Screw-in" System | | | |
|---|----------------|----------------------------|-----------|
|  11.0 mm  | f&w | 120 0524 0297 11 | 10 pieces |
|  14.5 mm  | f&w | 120 0525 0297 14 | 10 pieces |
|  17.0 mm  | f&w | 120 0526 0297 17 | 10 pieces |
|  14.5 mm  | f&w | 120 0527 0297 25 | 10 pieces |
| with plastic insert | | | |

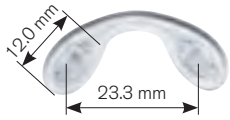
| "System 3 AirTec" | | | |
|---|----------------|----------------------------|-----------|
|  11.0 mm  | f&w | 120 0528 0298 11 | 10 pieces |

| "System 3 AirTec" | | | |
|--|----------------|----------------------------|-----------|
|  11.9 mm | f&w | 108 4095 0298 12 | 10 pieces |

Silicone Nose Pads and TPE

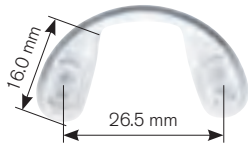


Saddle Bridges Silicone, "Push-in" System



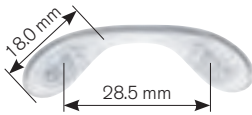
f&w **120 0306**
0225 12 3 pieces

120 0307
0225 12-9 9 pieces



f&w **120 0309**
0225 16 3 pieces

120 0310
0225 16-9 9 pieces

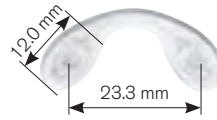


f&w **120 0312**
0225 18 3 pieces

120 0313
0225 18-9 9 pieces

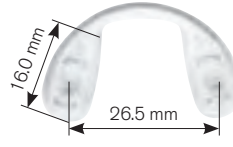


Saddle Bridges Silicone, "Screw-in" System



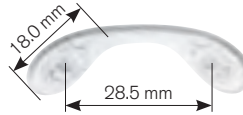
f&w **120 0401**
0235 12 3 pieces

120 0402
0235 12-9 9 pieces



f&w **120 0404**
0235 16 3 pieces

120 0405
0235 16-9 9 pieces



f&w **120 0407**
0235 18 3 pieces

120 0408
0235 18-9 9 pieces

"System 3" Silicone



f&w **109 2179**
0279 11 20 pieces



f&w **109 2180**
0279 13 20 pieces



f&w **109 2181**
0279 51 10 pairs

cuneiform

"System 3 Dash M" Silicone



f&w **120 0485**
0276 11 20 pieces

With modified, movable base for better comfort.

"System 3" TPE (Thermoplastic elastomer)



f&w **109 2182**
0274 11 20 pieces



The suitable pad arm No. 109 2673 is shown on page F 21.





Silicone Nose Pads and PVC Nose Pads, Medium Soft










Primadonna System Silicone

| | | | |
|--|----------------|--------------------------------|------------|
|  9.0 mm | f&w | 120 0508 0280 09 | 20 pieces |
|  13.0 mm | f&w | 120 0251 0212 13 | 20 pieces |
|  | f&w | 120 0252 0212 13-100 | 100 pieces |
|  14.5 mm | f&w | 120 0254 0212 15 | 10 pairs |

Primadonna System PVC

| | | | |
|--|----------------|--------------------------------|------------|
|  13.0 mm | f&w | 120 0256 0213 13 | 20 pieces |
|  | f&w | 120 0257 0213 13-100 | 100 pieces |

Air Titanium and Minimal Art Silicone









| | | | |
|--|----------------|--------------------------------|------------|
|  8.0 mm | f&w | 120 0491 0279 08 | 20 pieces |
|  | f&w | 120 0492 0279 08-100 | 100 pieces |
|  9.0 mm | f&w | 120 0495 0279 09 | 20 pieces |
|  | f&w | 120 0496 0279 09-100 | 100 pieces |
|  9.5 mm | f&w | 120 0499 0279 10 | 20 pieces |
|  | f&w | 120 0500 0279 10-100 | 100 pieces |
|  12.0 mm | f&w | 120 0504 0279 12 | 20 pieces |
|  15.5 mm | f&w | 120 0506 0279 15 | 20 pieces |
|  11.0 mm | f&w | 120 0448 0270 11 | 10 pairs |

Air Titanium and Minimal Art PVC









| | | | |
|--|----------------|----------------------------|-----------|
|  9.5 mm | f&w | 120 0449 0271 09 | 20 pieces |
|  11.5 mm | f&w | 120 0450 0271 11 | 20 pieces |

Greater stability due to inserted plastic pin.

PVC Nose Pads, Medium Soft, with Plastic Insert

| Transparent, "Push-in" System | | Transparent, "Screw-in" System | | | |
|---|--|--------------------------------|---|--|-------------------------|
|  | f&w 120 0451 0272 09 120 0452 0272 09-100 | 20 pieces 100 pieces |  | f&w 120 0467 0273 09 120 0468 0273 09-100 | 20 pieces 100 pieces |
|  | f&w 120 0455 0272 13 108 3543 0272 13-100 | 20 pieces 100 pieces |  | f&w 120 0471 0273 13 108 3544 0273 13-100 | 20 pieces 100 pieces |
|  | f&w 120 0459 0272 15 120 0460 0272 15-50 | 10 pairs 50 pairs |  | f&w 120 0475 0273 15 120 0476 0273 15-50 | 10 pairs 50 pairs |
|  | f&w 120 0463 0272 17 120 0464 0272 17-50 | 10 pairs 50 pairs |  | f&w 120 0479 0273 17 120 0480 0273 17-50 | 10 pairs 50 pairs |

PVC Nose Pads, Medium Soft, with Metal Insert

| Transparent, Silver, "Push-in" System | | Transparent, Gold, "Screw-in" System | | | |
|---|----------------------------|--------------------------------------|---|----------------------------|-----------|
|  | 108 4087 0230 15 | 20 pieces |  | 120 0435 0256 15 | 20 pieces |
|  | 108 4087 0230 15 | 20 pieces |  | 108 0755 0255 12 | 20 pieces |
|  | 108 4087 0230 15 | 20 pieces |  | 108 0757 0255 15 | 20 pieces |
|  | 108 4087 0230 15 | 20 pieces |  | 120 0434 0255 17 | 20 pieces |



TIPS & TRICKS

SILICONE NOSE PADS MINIFITS

Non Slipping Plastic Frames

Silicone Pads Minifits

No. 120 0400

Ruler

No. 120 2795

Universal Pen

No. 120 3040

Tool Holder

No. 120 2592

Spiral Drill, HSS

No. 120 2526



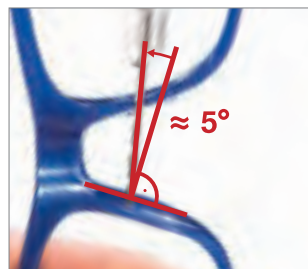
approx. 15 minutes

This is how it works

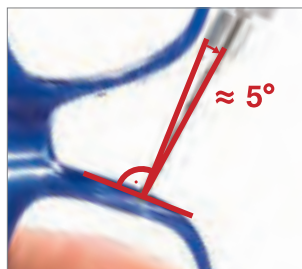
1 MARK POSITION



2 DRILL 1ST HOLE



3 DRILL 2ND HOLE













4 MOUNT THE MINIFITS



5 DONE









Polycarbonate Pads, Hard





| | | | | | |
|---|--|--|--|----------------------------|-----------|
|  | Ultra slim, especially transparent and light, "Push-in" System |  12.0 mm |  | 120 0427 0253 22 | 20 pieces |
|  | Ultra slim, especially transparent and light, "Screw-in" System |  12.0 mm |  | 120 0431 0254 22 | 20 pieces |
|  | Especially transparent and light, "Push-in" System |  13.0 mm | f&w | 120 0424 0253 12 | 20 pieces |
|  | Especially transparent and light, "Screw-in" System |  13.0 mm | f&w | 120 0428 0254 12 | 20 pieces |

Special Nose Pads and Nose Bridges




Nose Pads for Special Applications

| | | | | | |
|--|---|----------------------------|-----------|----------|-----------------------------|
|  7.0 mm |  | 120 0231 0201 07 | 20 pieces | PVC | To be clipped |
|  14.0 mm | f&w | 120 0447 0267 14 | 10 pieces | Silicone | Pocket system |
|  14.0 mm | f&w | 120 0400 0232 01 | 10 pieces | Silicone | Support |
|  19.0 mm |  | 120 0486 0277 01 | 3 pairs | Silicone | To be clipped on vertically |

Nose Pads for ic! berlin Frames

| | | | | | |
|--|---|----------------------------|----------|---------------------------------|--------------------------------|
|  14.0 mm | ic! berlin  | 120 0444 0264 01 | 4 pieces | Thermo- plastic elastomer | To be clipped on vertically |
|  14.0 mm | ic! berlin  | 120 0445 0264 02 | 4 pieces | Thermo- plastic elastomer | To be clipped on vertically |
|  14.0 mm | ic! berlin  | 120 0446 0264 03 | 4 pieces | Thermo- plastic elastomer | To be clipped on vertically |

Special Nose Pads and Nose Bridges

|  Logic® , Symmetrical, “Screw-in” and “Push-in” System | | |
|---|-----------------------------------|------------|
|  13.0 mm | Logic® 120 0280 0217 13 | 20 pieces |
| | 120 0281 0217 13-100 | 100 pieces |
|  15.0 mm | Logic® 120 0283 0217 15 | 20 pieces |
| | 120 0284 0217 15-100 | 100 pieces |




Silicone Nose Bridges, small




| | | |
|--|------------------------------------|----------|
|  14.9 mm | f&w 120 0413 0241 01 | 3 pieces |
| | Gold, for metal frames | |
|  14.9 mm | f&w 120 0414 0241 10 | 3 pieces |
| | Silver, for metal frames | |

Silicone Nose Bridges, large





















| | | |
|--|------------------------------------|----------|
|  16.9 mm | f&w 120 0415 0242 01 | 3 pieces |
| | Gold, for metal frames | |
|  16.9 mm | f&w 120 0416 0242 10 | 3 pieces |
| | Silver, for metal frames | |

Hypo-allergenic Special Nose Pads

|  PCTG , hypo-allergenic, “Push-in” System | | |
|---|--|-----------|
|  13.0 mm | 121 1511 0294 13 | 10 pieces |
| | PCTG – Polyethylenterephthalat Glycol | |
|  15.0 mm | 121 1512 0294 15 | 10 pieces |
| | PCTG – Polyethylenterephthalat Glycol | |

|  PCTG , hypo-allergenic, “Screw-in” System | | |
|--|--|-----------|
|  13.0 mm | 121 1513 0295 13 | 10 pieces |
| | PCTG – Polyethylenterephthalat Glycol | |
|  15.0 mm | 121 1514 0295 15 | 10 pieces |
| | PCTG – Polyethylenterephthalat Glycol | |

Hypo-allergenic Special Nose Pads

|  Titanium, hypo-allergenic, "Push-in" System | |  Titanium, hypo-allergenic, "Screw-in" System | | | |
|--|---|---|--|---|-----------------------|
|  8.0 mm | f&w 120 0436 0257 08 120 0437 0257 08-10 Gun polished | 4 pieces 10 pieces |  8.0 mm | f&w 120 0439 0258 08 120 0440 0258 08-10 Gun polished | 4 pieces 10 pieces |
|  13.0 mm | f&w 120 0232 0203 01 Gun polished | 4 pieces |  13.0 mm | f&w 120 0240 0204 01 Gun polished | 4 pieces |
|  13.0 mm | f&w 120 0233 0203 02 Gun matte | 4 pieces |  13.0 mm | f&w 120 0241 0204 02 Gun matte | 4 pieces |
|  13.0 mm | 120 0234 0203 11 Gold polished | 4 pieces |  13.0 mm | 120 0242 0204 11 Gold polished | 4 pieces |
|  13.0 mm | 120 0235 0203 12 Gold matte | 4 pieces |  13.0 mm | 120 0243 0204 12 Gold matte | 4 pieces |
|  13.0 mm | 120 0236 0203 21 Rose gold polished | 4 pieces |  13.0 mm | 120 0244 0204 21 Rose gold polished | 4 pieces |
|  13.0 mm | 120 0237 0203 22 Rose gold matte | 4 pieces |  13.0 mm | 120 0245 0204 22 Rose gold matte | 4 pieces |
|  13.0 mm | 120 0238 0203 31 Black polished | 4 pieces |  13.0 mm | 120 0246 0204 31 Black polished | 4 pieces |
|  13.0 mm | 120 0239 0203 32 Black matte | 4 pieces |  13.0 mm | 120 0247 0204 32 Black matte | 4 pieces |

Special Nose Pads



Silicone with Titanium Screw Holder,
hypo-allergenic, "Screw-in" System



120 0442
0259 01

4 pieces

13.0 mm



Nose Pads for Ray Ban Frames



120 0417
0243 02

10 pieces

Soft-PVC

With adjustable flaps

15.0 mm



120 0418
0243 03

10 pieces

Soft-PVC

With adjustable flaps

15.0 mm



Silicone



109 6012
0243 12

10 pieces

Silicone

With adjustable flaps

15.0 mm



Silicone



120 0420
0243 13

10 pieces

Silicone

With adjustable flaps

15.0 mm



Nose Pad Cushions



PAINEX Assortment of Sponge Cushions

To reduce the bridge width.

Self-adhesive, white.

1 strip = 4 pairs

Contents: 12 strips of 1.0 mm thickness
 12 strips of 1.5 mm thickness
 12 strips of 2.0 mm thickness

120 1000
 0739 00

Improves the comfort of wearing plastic frames

PAINEX Sponge Cushions

Single thickness.

1 strip = 4 pairs

Contents: 12 strips

120 1001 $\frac{+}{-}$ 1.0 mm
 0739 10

120 1002 $\frac{+}{-}$ 1.5 mm
 0739 15

120 1003 $\frac{+}{-}$ 2.0 mm
 0739 20



0.8 > 2.0 mm

Nose Pad Components

Asymmetric nose pad component adhering to plastic frames.

Can be used with e.g. Acetone No. 120 3923.

Contents: 6 pairs

120 0443 $\frac{+}{-}$ 19 x 8 mm $\frac{+}{-}$ 0.8 > 2.0 mm
 0263 00




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

No. 109 4751

or separately:

Self-adhesive Nose Pad Cushion

No. 109 4752, -53, -54


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


Nose Pad Cushion

Self-adhesive **silicone foil**.

Width: 7 mm each

Contents: 10 pairs

| | | | | | |
|----------------------------|--------|--|-------|--|--------|
| 109 4752 0758 01 | Size S | | 19 mm | | 2.0 mm |
| 109 4753 0758 02 | Size M | | 19 mm | | 2.4 mm |
| 109 4754 0758 03 | Size L | | 19 mm | | 2.7 mm |



Nose Pad Cushion Assortment

Contents: 10 pairs each No. 109 4752; 109 4753 and 109 4754

109 4751 30 pairs
0758 50



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



| | | | | |
|----------------------------|--|-------|--|--------|
| 120 1052 0748 13 | | 13 mm | | 0.7 mm |
| 120 1053 0748 15 | | 15 mm | | 0.7 mm |
| 120 1054 0748 17 | | 17 mm | | 0.7 mm |
| 120 1055 0748 19 | | 19 mm | | 0.7 mm |
| 120 1056 0748 23 | | 13 mm | | 1.0 mm |
| 120 1057 0748 25 | | 15 mm | | 1.0 mm |
| 120 1058 0748 27 | | 17 mm | | 1.0 mm |
| 120 1059 0748 29 | | 19 mm | | 1.0 mm |



Almost invisible

Nose Pad Cushion Assortment

Contents: 20 pieces each No. 120 1052; 120 1053; 120 1054 and 120 1055

120 1061 80 pieces
0748 50

Nose Pad Cushion Assortment

Contents: 20 pieces each No. 120 1056; 120 1057; 120 1058 and 120 1059

120 1062 80 pieces
0748 51




TIPS & TRICKS
NOSE PAD ARMS FOR PLASTIC FRAMES

Improve Comfort!

Mounting Set

No. 120 0550

or separately:

Nose Pad Arms, Beta-titanium

used for example: No. 120 0540

Mounting Tool

No. 120 0539

Spiral Drill, HSS

No. 120 2525

Plastic Pad

No. 120 0424

Pad Screws

No. 120 1469

Tool Holder

No. 120 2595

Steel Miller

No. 120 2732

Universal Pen

No. 120 3040



 15 minutes

This is how it works

1 CUTTING

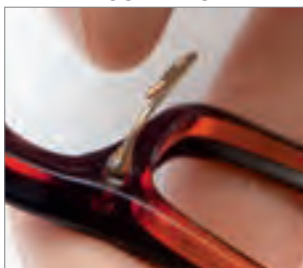
2 POLISHING

3 MARKING

4 DRILLING

5 CLAMPING

6 PUSHING

**7 INSERTING
THE NOSE PADS**

8 DONE


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. 120 2525



"Push-in" System

120 0540-49

2 pairs

| Size S 10 mm | | Size L 12 mm | | Size XL 16 mm | |
|----------------------------|--------|----------------------------|--------|----------------------------|--------|
| Order No. | Colour | Order No. | Colour | Order No. | Colour |
| 120 0547 0304 21 | Silver | 120 0540 0304 01 | Silver | 120 0544 0304 11 | Silver |
| 120 0548 0304 25 | Black | 120 0541 0304 03 | Brown | 120 0545 0304 15 | Black |
| 120 0549 0304 26 | Gold | 120 0542 0304 05 | Black | 120 0546 0304 16 | Gold |
| | | 120 0543 0304 06 | Gold | | |

"Screw-in" System

120 0552-61

2 pairs

| Size S 10 mm | | Size L 12 mm | | Size XL 16 mm | |
|----------------------------|--------|----------------------------|--------|----------------------------|--------|
| Order No. | Colour | Order No. | Colour | Order No. | Colour |
| 120 0559 0305 21 | Silver | 120 0552 0305 01 | Silver | 120 0556 0305 11 | Silver |
| 120 0560 0305 25 | Black | 120 0553 0305 03 | Brown | 120 0557 0305 15 | Black |
| 120 0561 0305 26 | Gold | 120 0554 0305 05 | Black | 120 0558 0305 16 | Gold |
| | | 120 0555 0305 06 | 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.

120 0534

0303 10



Mounting Tool for Beta Titanium Nose Pad Arms

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

120 0539

0304 00



Mounting Set Nose Pad Arms Beta Titanium

- **Contents:** Tool for nose pad arms, 16 pairs nose pad arms, required drill (No. 120 2525), matching nose pads (No. 120 0334 and 120 0361) and nose pad screws (No. 120 1469)
- In practical box

120 0550

0304 50

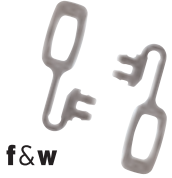
105 x 23.5 x 178 mm



The matching screws No. 120 1469, 120 1471 and 120 1474 (total length 4.0 mm; thread size 1.0 mm) are shown on page F 24.



Nose Pad Arms for Plastic Frames



f&w

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

120 0564
0307 01


 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

120 0563
0306 02

 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

120 0562
0306 01

 2 pieces



Nose Pad Arms for Metal Frames



Type/Use:
Universal application
Colour: Silver

120 0512
0288 01 10 pieces



Type/Use:
Universal application
Colour: Gold

120 0513
0288 02 10 pieces



Type/Use:
Universal application
Colour: Silver

f&w
120 0519
0289 01 10 pieces



Type/Use:
Universal application
Colour: Silver

120 0509
0287 01 5 pairs



Type/Use:
Universal application
Colour: Gold

120 0510
0287 02 5 pairs



Type/Use:
Universal application
Colour/Material: Titanium

f&w
120 0511
0287 03 5 pairs



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

f&w
109 2673
0276 01 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 24–F 34

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

OPTION

B

Screws for
special applications

F 35–F 46

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 24 |
| 1.1 mm | F 25 |
| 1.2 mm | F 25–F 26 |
| 1.3 mm | F 27 |
| 1.4 mm | F 28–F 31 |
| 1.5 mm | F 32–F 33 |
| 1.6 mm | F 33–F 34 |
| 1.7–1.8 mm | F 34 |

OPTION B

Special Screws

| | |
|---|-----------|
| 4-in-1 Screws | F 35–F 37 |
| Rimless Frames Screws | F 38 |
| Screws for Ray Ban Frames | F 39 |
| Torx Screws | F 40 |
| Screws for Plastic Hinges | F 41 |
| Spring Hinge Screws | F 41–F 42 |
| Spring Hinge Screws with blue Screw Securer | F 43 |
| Hilco Logic® Screws | F 44 |
| Screws with transparent Nylon Securer | F 45 |
| Temple Screws | F 45 |
| Screws with black Screw Securer | F 46 |
| Screws with blue Tuflock Securer | F 46 |

And much more










| | |
|-------------|-----------|
| Assortments | F 47–F 48 |
| Nuts | F 49–F 50 |
| Washers | F 50–F 51 |
| Sleeves | F 52–F 53 |



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 | 120 1177 0805 10 | 100 pieces | – |



Thread Size 1.0 mm

|  |  | Function | Screw head | Material | Colour |  |  | Order No. |  | Matching nut |
|---|---|---|---|---------------|--------|---|---|------------------------------|---|--------------|
|  |  |  |  | Steel | Silver | 3.80 | 1.80 | 120 1389 0865 01 | 100 pieces | – |
|  |  |  |  | Steel | Gold | 3.80 | 1.80 | 120 1390 0865 10 | 100 pieces | – |
|  |  |  |  | German Silver | Silver | 4.00 | 1.20 | 120 1189 0815 00 | 100 pieces | – |
|  |  |  |  | German Silver | Silver | 4.00 | 1.40 | 120 1469 0896 00 | 100 pieces | – |
|  |  |  |  | German Silver | Gold | 4.00 | 1.40 | 120 1473 0896 10 | 100 pieces | – |
|  |  |  |  | German Silver | Gun | 4.00 | 1.40 | 120 1474 0896 20 | 100 pieces | – |
|  |  |  |  | German Silver | Silver | 4.00 | 1.40 | 120 1471 0896 00TL | 50 pieces | – |
|  |  |  |  | Steel | Silver | 4.45 | 1.40 | 120 1178 0807 00 | 100 pieces | – |
|  |  |  |  | Steel | Silver | 4.50 | 1.80 | 120 1459 0889 00 | 100 pieces | – |
|  |  |  |  | Steel | Silver | 5.80/ 2.80 | 1.40 | 120 1247 0819 05 | 100 pieces | – |
|  |  |  |  | Steel | Silver | 5.80/ 2.80 | 1.40 | 120 1248 0819 05TL | 50 pieces | – |
|  |  |  |  | Steel | Gold | 5.80/ 2.80 | 1.40 | 120 1264 0819 15 | 100 pieces | – |
|  |  |  |  | Steel | Gold | 5.80/ 2.80 | 1.40 | 120 1265 0819 15TL | 50 pieces | – |
|  |  |  |  | Steel | Silver | 12.80/ 2.80 | 1.40 | 120 1190 0816 000 | 50 pieces | – |
|  |  |  |  | Steel | Gold | 12.80/ 2.80 | 1.40 | 120 1206 0816 100 | 50 pieces | – |
|  |  |  |  | Steel | Gun | 12.80/ 2.80 | 1.40 | 120 1218 0816 200 | 50 pieces | – |



Screw securer

Screws ascending Thread Size



Thread Size 1.1 mm

| | | Function | Screw head | Material | Colour | | | Order No. | | Matching nut |
|--|--|----------|------------|---------------|--------|------|------|----------------------------|------------|--------------|
| | | | | German Silver | Silver | 4.20 | 1.30 | 120 1173 0803 00 | 100 pieces | - |



Thread Size 1.2 mm

| | | Function | Screw head | Material | Colour | | | Order No. | | Matching nut |
|--|--|----------|------------|---------------|------------------------|---------------|------|------------------------------|------------|--------------|
| | | | | Steel | Silver | 1.30 | 1.80 | 120 1172 0801 00 | 100 pieces | - |
| | | | | Steel | Silver | 2.60 | 1.60 | 120 1377 0860 40 | 100 pieces | - |
| | | | | Steel | Silver | 3.00 | 2.00 | 120 1432 0886 03 | 100 pieces | - |
| | | | | Steel | Gun for plastic hinges | 3.00 | 2.30 | 120 1301 0833 20 | 50 pieces | - |
| | | | | Steel | Silver | 3.20 | 1.60 | 120 1353 0853 00 | 100 pieces | - |
| | | | | Steel | Silver | 3.40 | 1.60 | 120 1419 0882 00 | 100 pieces | - |
| | | | | Steel | Gold | 3.40 | 1.60 | 120 1420 0882 10 | 100 pieces | - |
| | | | | Steel | Silver | 3.50 | 2.00 | 120 1433 0886 04 | 100 pieces | - |
| | | | | Steel | Silver | 3.90 | 2.00 | 109 2223 0886 00 | 100 pieces | - |
| | | | | Steel | Silver | 4.00 | 1.40 | 120 1472 0896 01 | 100 pieces | - |
| | | | | Steel | Silver | 4.00 | 2.00 | 120 1434 0886 05 | 100 pieces | - |
| | | | | Steel | Silver | 4.40 | 2.00 | 109 2224 0886 01 | 100 pieces | - |
| | | | | Steel | Silver | 4.70 | 1.60 | 120 1405 0871 00 | 100 pieces | - |
| | | | | German Silver | Silver | 4.80 | 1.60 | 120 1235 0818 00 | 100 pieces | - |
| | | | | Steel | Silver | 4.90 | 2.00 | 109 2225 0886 02 | 100 pieces | - |
| | | | | Steel | Silver | 5.90/ 3.50 | 2.00 | 120 1243 0819 03 | 100 pieces | - |
| | | | | Steel | Silver | 5.90/ 3.50 | 2.00 | 120 1244 0819 03TL | 50 pieces | - |
| | | | | Steel | Gold | 5.90/ 3.50 | 2.00 | 120 1260 0819 13 | 100 pieces | - |
| | | | | Steel | Gold | 5.90/ 3.50 | 2.00 | 120 1261 0819 13TL | 50 pieces | - |

Screw securer



Screws ascending Thread Size



Thread Size 1.2 mm

|  |  | Function | Screw head | Material | Colour |  |  | Order No. |  | Matching nut |
|---|---|---|---|---------------|--------|---|---|------------------------------|---|-----------------------|
|  |  |  |  | Steel | Gun | 5.90/ 3.50 | 2.00 | 120 1272 0819 23 | 100 pieces | – |
|  |  |  |  | Steel | Gun | 5.90/ 3.50 | 2.00 | 120 1273 0819 23TL | 50 pieces | – |
|  |  |  |  | Steel | Silver | 7.00 | 2.00 | 120 1421 0883 00 | 100 pieces | – |
|  |  |  |  | Steel | Silver | 7.00/ 4.00 | 2.00 | 120 1253 0819 08 | 100 pieces | – |
|  |  |  |  | Steel | Silver | 7.50/ 4.50 | 2.00 | 120 1254 0819 09 | 100 pieces | – |
|  |  |  |  | Steel | Silver | 10.00 | 2.40 | 120 1425 0885 00 | 100 pieces | – |
|  |  |  |  | Steel | Silver | 11.60 | 2.00 | 109 4234 0888 00 | 25 pieces | – |
|  |  |  |  | Steel | Gold | 11.60 | 2.00 | 109 4240 0888 10 | 25 pieces | – |
|  |  |  |  | Steel | Black | 11.60 | 2.00 | 109 4246 0888 20 | 25 pieces | – |
|  |  |  |  | German Silver | Silver | 12.00 | 1.80 | 120 1295 0831 00 | 100 pieces | 120 1277 0822 01TL |
|  |  |  |  | Brass | Gold | 12.00 | 1.80 | 120 1296 0831 10 | 100 pieces | 120 1279 0822 02TL |
|  |  |  |  | Brass | Gun | 12.00 | 1.80 | 120 1297 0831 20 | 100 pieces | 120 1280 0822 03 |
|  |  |  |  | German Silver | Silver | 12.00 | 2.50 | 120 1319 0841 01 | 100 pieces | 120 1277 0822 01TL |
|  |  |  |  | German Silver | Gold | 12.00 | 2.50 | 120 1321 0841 11 | 100 pieces | 120 1279 0822 02TL |
|  |  |  |  | Steel | Silver | 12.60 | 2.20 | 120 1367 0858 00 | 100 pieces | 120 1277 0822 01TL |
|  |  |  |  | Steel | Gold | 12.60 | 2.20 | 120 1369 0858 10 | 100 pieces | 120 1279 0822 02TL |
|  |  |  |  | Steel | Silver | 14.80/ 4.80 | 1.80 | 120 1191 0816 001 | 50 pieces | – |
|  |  |  |  | Steel | Gold | 14.80/ 4.80 | 1.80 | 120 1207 0816 101 | 50 pieces | – |
|  |  |  |  | Steel | Gun | 14.80/ 4.80 | 1.80 | 120 1219 0816 201 | 50 pieces | – |
|  |  |  |  | German Silver | Silver | 15.00 | 1.80 | 120 1333 0843 00 | 100 pieces | 120 1277 0822 01TL |
|  |  |  |  | Steel | Silver | 15.50/ 5.50 | 1.80 | 120 1202 0816 012 | 50 pieces | – |






































































Screw securer

Screws ascending Thread Size



Thread Size 1.3 mm




|  |  | Function | Screw head | Material | Colour |  |  | Order No. |  | Matching nut |
|---|---|---|---|---------------|--------|---|--|------------------------------|---|--------------|
|  |  |  |  | Steel | Silver | 3.50 | 1.70 | 120 1416 0880 00 | 100 pieces | - |
|  |  |  |  | Steel | Gold | 3.50 | 1.70 | 120 1417 0880 10 | 100 pieces | - |
|  |  |  |  | German Silver | Silver | 5.30 | 1.70 | 120 1175 0804 00 | 100 pieces | - |
|  |  |  |  | German Silver | Gun | 5.30 | 1.70 | 120 1176 0804 20 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 6.50/ 3.50 | 2.00 | 120 1249 0819 06 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 6.50/ 3.50 | 2.00 | 120 1250 0819 06TL | 50 pieces | - |
|  |  |  |  | Steel | Gold | 6.50/ 3.50 | 2.00 | 120 1266 0819 16 | 100 pieces | - |
|  |  |  |  | Steel | Gold | 6.50/ 3.50 | 2.00 | 120 1267 0819 16TL | 50 pieces | - |
|  |  |  |  | Steel | Silver | 7.00 | 1.80 | 120 1382 0861 00 | 100 pieces | - |
|  |  |  |  | German Silver | Silver | 8.00 | 2.80 | 120 1341 0848 00 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 11.50 | 1.80 | 120 1383 0861 01 | 50 pieces | - |
|  |  |  |  | Steel | Gold | 11.50 | 1.80 | 120 1384 0861 11 | 50 pieces | - |
|  |  |  |  | Steel | Silver | 11.60 | 2.00 | 109 4235 0888 01 | 25 pieces | - |
|  |  |  |  | Steel | Gold | 11.60 | 2.00 | 109 4241 0888 11 | 25 pieces | - |
|  |  |  |  | Steel | Black | 11.60 | 2.00 | 109 4247 0888 21 | 25 pieces | - |
|  |  |  |  | Steel | Silver | 14.80/ 4.80 | 1.80 | 120 1192 0816 002 | 50 pieces | - |
|  |  |  |  | Steel | Gold | 14.80/ 4.80 | 1.80 | 120 1208 0816 102 | 50 pieces | - |
|  |  |  |  | Steel | Gun | 14.80/ 4.80 | 1.80 | 120 1220 0816 202 | 50 pieces | - |



Screws ascending Thread Size



Thread Size 1.4 mm






































































































|  |  | Function | Screw head | Material | Colour |  |  | Order No. |  | Matching nut |
|---|---|---|--|------------------|--------|---|--|----------------------------|---|--------------|
|  |  |  |  | Steel | Silver | 2.80 | 1.80 | 120 1347 0851 01 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 3.00 | 2.00 | 120 1180 0811 00 | 50 pieces | - |
|  |  |  |  TX4 | Steel | Silver | 3.00 | 2.00 | 120 1438 0887 03 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 3.10 | 2.00 | 120 1410 0874 00 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 3.30 | 2.00 | 120 1401 0869 01 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 3.40 | 1.80 | 120 1348 0851 02 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 3.45 | 2.00 | 120 1356 0854 00 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 3.50 | 2.00 | 120 1181 0811 01 | 50 pieces | - |
|  |  |  |  TX4 | Steel | Silver | 3.50 | 2.00 | 120 1439 0887 04 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 3.60 | 2.00 | 120 1422 0884 00 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 3.70 | 2.00 | 120 1402 0869 02 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 3.90 | 2.00 | 120 1400 0869 00 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 3.90 | 1.80 | 120 1406 0872 00 | 100 pieces | - |
|  |  |  |  | Steel | Gold | 3.90 | 1.80 | 120 1407 0872 10 | 100 pieces | - |
|  |  |  |  | Steel | Gun | 3.90 | 1.80 | 120 1408 0872 20 | 100 pieces | - |
|  |  |  |  TX4 | Steel | Silver | 3.90 | 2.00 | 109 2226 0887 00 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 4.00 | 1.80 | 120 1349 0851 03 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 4.00 | 2.00 | 120 1411 0876 00 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 4.00 | 2.00 | 120 1182 0811 02 | 50 pieces | - |
|  |  |  |  TX4 | Steel | Silver | 4.00 | 2.00 | 120 1440 0887 05 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 4.10 | 1.80 | 120 1378 0860 55 | 100 pieces | - |
|  |  |  |  | German Silver | Silver | 4.20 | 1.80 | 120 1188 0814 00 | 200 pieces | - |
|  |  |  |  | Steel | Silver | 4.20 | 1.80 | 120 1412 0876 01 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 4.20 | 2.00 | 120 1403 0869 03 | 100 pieces | - |



Screws ascending Thread Size



Thread Size 1.4 mm

|  |  | Function | Screw head | Material | Colour |  |  | Order No. |  | Matching nut |
|---|---|---|--|---------------|--------|---|--|------------------------------|---|--------------|
|  |  |  |  | Steel | Silver | 4.30 | 1.80 | 120 1346 0851 00 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 4.30 | 2.00 | 120 1394 0867 00 | 100 pieces | - |
|  |  |  |  | Steel | Gold | 4.30 | 2.00 | 120 1399 0868 00 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 4.40 | 1.80 | 120 1409 0873 00 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 4.40 | 2.00 | 120 1423 0884 01 | 100 pieces | - |
|  |  |  |  TX4 | Steel | Silver | 4.40 | 2.00 | 109 2227 0887 01 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 4.50 | 2.00 | 120 1183 0811 03 | 50 pieces | - |
|  |  |  |  | Steel | Silver | 4.70 | 2.00 | 120 1424 0884 02 | 100 pieces | - |
|  |  |  |  | German Silver | Silver | 4.80 | 2.50 | 120 1275 0821 00 | 100 pieces | - |
|  |  |  |  TX4 | Steel | Silver | 4.90 | 2.00 | 109 2228 0887 02 | 100 pieces | - |
|  |  |  |  | German Silver | Silver | 5.00 | 1.80 | 120 1274 0820 00 | 200 pieces | - |
|  |  |  |  | Steel | Silver | 5.20 | 1.80 | 120 1373 0860 20 | 100 pieces | - |
|  |  |  |  | German Silver | Silver | 5.40 | 1.80 | 120 1350 0852 00 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 6.00 | 1.80 | 120 1379 0860 58 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 6.00 | 1.80 | 120 1381 0860 58TL | 50 pieces | - |
|  |  |  |  | Steel | Silver | 6.50 | 1.80 | 120 1374 0860 30 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 6.50 | 1.80 | 120 1376 0860 30TL | 50 pieces | - |
|  |  |  |  | Steel | Silver | 6.50 | 2.00 | 120 1187 0813 00 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 6.50/ 3.50 | 2.00 | 120 1236 0819 00 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 6.50/ 3.50 | 2.00 | 120 1237 0819 00TL | 50 pieces | - |
|  |  |  |  | Steel | Silver | 7.00/ 4.00 | 2.00 | 120 1238 0819 01 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 7.00/ 4.00 | 2.00 | 120 1241 0819 01TL | 50 pieces | - |
|  |  |  |  | Steel | Silver | 7.80/ 4.80 | 2.00 | 120 1242 0819 02 | 100 pieces | - |
|  |  |  |  | Steel | Gold | 6.50/ 3.50 | 2.00 | 120 1255 0819 10 | 100 pieces | - |



Screws ascending Thread Size




















































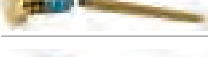



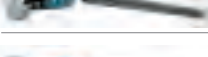




















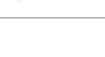


Thread Size 1.4 mm

|  |  | Function | Screw head | Material | Colour |  |  | Order No. |  | Matching nut |
|---|---|---|---|-----------------------------|--------|---|--|------------------------------|---|-----------------------|
|  |  |  |  | Steel | Gold | 6.50/ 3.50 | 2.00 | 120 1256 0819 10TL | 50 pieces | - |
|  |  |  |  | Steel | Gold | 7.00/ 4.00 | 2.00 | 120 1257 0819 11 | 100 pieces | - |
|  |  |  |  | Steel | Gold | 7.00/ 4.00 | 2.00 | 120 1258 0819 11TL | 50 pieces | - |
|  |  |  |  | Steel | Gold | 7.80/ 4.80 | 2.00 | 120 1259 0819 12 | 100 pieces | - |
|  |  |  |  | Steel | Gun | 6.50/ 3.50 | 2.00 | 120 1270 0819 20 | 100 pieces | - |
|  |  |  |  | Steel | Gun | 6.50/ 3.50 | 2.00 | 120 1271 0819 20TL | 50 pieces | - |
|  |  |  |  | Steel for plastic hinges | Silver | 7.80 | 2.00 | 120 1357 0855 00 | 50 pieces | - |
|  |  |  |  | German Silver | Silver | 8.60 | 2.80 | 120 1292 0828 10 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 8.50/ 5.50 | 2.00 | 120 1239 0819 010 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 9.50/ 6.50 | 2.00 | 120 1240 0819 011 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 10.00 | 2.80 | 120 1426 0885 01 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 10.60/ 3.60 | 1.80 | 120 1230 0817 00 | 100 pieces | - |
|  |  |  |  | Steel | Gold | 10.60/ 3.60 | 1.80 | 120 1233 0817 10 | 100 pieces | - |
|  |  |  |  | Steel | Gun | 10.60/ 3.60 | 1.80 | 120 1234 0817 20 | 100 pieces | - |
|  |  |  |  | Steel for plastic hinges | Silver | 10.80 | 2.00 | 120 1358 0855 01 | 50 pieces | - |
|  |  |  |  | German Silver | Silver | 11.40 | 2.80 | 120 1288 0824 11 | 100 pieces | 120 1284 0824 01TL |
|  |  |  |  | Steel | Silver | 11.50 | 1.80 | 120 1385 0862 01 | 50 pieces | - |
|  |  |  |  | Steel | Gold | 11.50 | 1.80 | 120 1386 0862 11 | 50 pieces | - |
|  |  |  |  | Steel | Silver | 11.60 | 2.00 | 109 4236 0888 02 | 25 pieces | - |
|  |  |  |  | Steel | Gold | 11.60 | 2.00 | 109 4242 0888 12 | 25 pieces | - |
|  |  |  |  | Steel | Black | 11.60 | 2.00 | 109 4248 0888 22 | 25 pieces | - |
|  |  |  |  | German Silver | Silver | 12.00 | 2.50 | 120 1318 0841 00 | 100 pieces | 120 1284 0824 01TL |
|  |  |  |  | Brass | Gold | 12.00 | 2.50 | 120 1320 0841 10 | 100 pieces | 120 1286 0824 02TL |
|  |  |  |  | German Silver | Gun | 12.00 | 2.50 | 120 1322 0841 20 | 100 pieces | 120 1287 0824 03 |

Screws ascending Thread Size



Thread Size 1.4 mm

|  |  | Function | Screw head | Material | Colour |  |  | Order No. |  | Matching nut |
|---|---|---|---|---------------|--------|---|--|-----------------------------|---|-----------------------|
|  |  |  |  | Steel | Silver | 12.60 | 2.20 | 120 1368 0858 01 | 100 pieces | 120 1284 0824 01TL |
|  |  |  |  | Steel | Gold | 12.60 | 2.20 | 120 1370 0858 11 | 100 pieces | 120 1286 0824 02TL |
|  |  |  |  | Steel | Silver | 13.00/ 3.00 | 1.80 | 120 1193 0816 003 | 50 pieces | - |
|  |  |  |  | Steel | Gold | 13.00/ 3.00 | 1.80 | 120 1209 0816 103 | 50 pieces | - |
|  |  |  |  | Steel | Gun | 13.00/ 3.00 | 1.80 | 120 1221 0816 203 | 50 pieces | - |
|  |  |  |  | Steel | Silver | 14.80/ 4.80 | 1.80 | 120 1194 0816 004 | 50 pieces | - |
|  |  |  |  | Steel | Gold | 14.80/ 4.80 | 1.80 | 120 1210 0816 104 | 50 pieces | - |
|  |  |  |  | Steel | Gun | 14.80/ 4.80 | 1.80 | 120 1222 0816 204 | 50 pieces | - |
|  |  |  |  | Steel | Silver | 13.50/ 3.50 | 2.00 | 120 1197 0816 007 | 50 pieces | - |
|  |  |  |  | Steel | Gold | 13.50/ 3.50 | 2.00 | 120 1213 0816 107 | 50 pieces | - |
|  |  |  |  | Steel | Gun | 13.50/ 3.50 | 2.00 | 120 1225 0816 207 | 50 pieces | - |
|  |  |  |  | Steel | Silver | 14.00/ 4.00 | 2.00 | 120 1198 0816 008 | 50 pieces | - |
|  |  |  |  | Steel | Gold | 14.00/ 4.00 | 2.00 | 120 1214 0816 108 | 50 pieces | - |
|  |  |  |  | Steel | Gun | 14.00/ 4.00 | 2.00 | 120 1226 0816 208 | 50 pieces | - |
|  |  |  |  | Steel | Silver | 14.80/ 4.80 | 2.00 | 120 1199 0816 009 | 50 pieces | - |
|  |  |  |  | Steel | Gold | 14.80/ 4.80 | 2.00 | 120 1215 0816 109 | 50 pieces | - |
|  |  |  |  | Steel | Gun | 14.80/ 4.80 | 2.00 | 120 1227 0816 209 | 50 pieces | - |
|  |  |  |  | German Silver | Silver | 15.00 | 1.80 | 120 1334 0843 01 | 100 pieces | 120 1284 0824 01TL |
|  |  |  |  | Steel | Silver | 15.50/ 5.50 | 2.00 | 120 1203 0816 013 | 50 pieces | - |



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 | 120 1340 0845 15 | 100 pieces | - |
|  |  |  |  | Steel for plastic hinges | Silver | 5.00 | 2.00 | 120 1361 0855 04 | 50 pieces | - |
|  |  |  |  | Steel | Silver | 5.20 | 1.80 | 120 1323 0842 00 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 5.20 | 1.80 | 120 1325 0842 00TL | 50 pieces | - |
|  |  |  |  | Steel | Silver | 6.50/ 3.50 | 2.00 | 120 1251 0819 07 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 6.50/ 3.50 | 2.00 | 120 1252 0819 07TL | 50 pieces | - |
|  |  |  |  | Steel | Gold | 6.50/ 3.50 | 2.00 | 120 1268 0819 17 | 100 pieces | - |
|  |  |  |  | Steel | Gold | 6.50/ 3.50 | 2.00 | 120 1269 0819 17TL | 50 pieces | - |
|  |  |  |  | German Silver | Silver | 10.00 | 2.80 | 120 1291 0827 00 | 100 pieces | - |
|  |  |  |  | Steel | Silver | 11.50 | 1.80 | 120 1387 0863 01 | 50 pieces | - |
|  |  |  |  | Steel | Gold | 11.50 | 1.80 | 120 1388 0863 11 | 50 pieces | - |
|  |  |  |  | Steel | Silver | 11.60 | 2.00 | 109 4237 0888 03 | 25 pieces | - |
|  |  |  |  | Steel | Gold | 11.60 | 2.00 | 109 4243 0888 13 | 25 pieces | - |
|  |  |  |  | Steel | Black | 11.60 | 2.00 | 109 4249 0888 23 | 25 pieces | - |
|  |  |  |  | Steel | Silver | 14.00/ 4.00 | 1.80 | 120 1195 0816 005 | 50 pieces | - |
|  |  |  |  | Steel | Gold | 14.00/ 4.00 | 1.80 | 120 1211 0816 105 | 50 pieces | - |
|  |  |  |  | Steel | Gun | 14.00/ 4.00 | 1.80 | 120 1223 0816 205 | 50 pieces | - |
|  |  |  |  | Steel | Silver | 14.80/ 4.80 | 1.80 | 120 1196 0816 006 | 50 pieces | - |
|  |  |  |  | Steel | Gold | 14.80/ 4.80 | 1.80 | 120 1212 0816 106 | 50 pieces | - |
|  |  |  |  | Steel | Gun | 14.80/ 4.80 | 1.80 | 120 1224 0816 206 | 50 pieces | - |
|  |  |  |  | Steel | Silver | 14.00/ 4.00 | 2.00 | 120 1200 0816 010 | 50 pieces | - |
|  |  |  |  | Steel | Gold | 14.00/ 4.00 | 2.00 | 120 1216 0816 110 | 50 pieces | - |
|  |  |  |  | Steel | Gun | 14.00/ 4.00 | 2.00 | 120 1228 0816 210 | 50 pieces | - |
|  |  |  |  | Steel | Silver | 14.80/ 4.80 | 2.00 | 120 1201 0816 011 | 50 pieces | - |



Screw securer

Screws ascending Thread Size



Thread Size 1.5 mm

| | | Function | Screw head | Material | Colour | | | Order No. | | Matching nut |
|--|--|----------|------------|----------|--------|----------------|------|-----------------------------|-----------|--------------|
| | | | | Steel | Gold | 14.80/ 4.80 | 2.00 | 120 1217 0816 111 | 50 pieces | - |
| | | | | Steel | Gun | 14.80/ 4.80 | 2.00 | 120 1229 0816 211 | 50 pieces | - |



Thread Size 1.6 mm


















| | | Function | Screw head | Material | Colour | | | Order No. | | Matching nut |
|--|--|----------|------------|-----------------------------|--------|---------------|------|------------------------------|------------|--------------|
| | | | | Steel | Silver | 3.50 | 2.50 | 120 1184 0811 04 | 50 pieces | - |
| | | | | Steel for plastic hinges | Silver | 4.00 | 2.50 | 120 1363 0855 06 | 50 pieces | - |
| | | | | Steel | Silver | 4.00 | 2.50 | 120 1185 0811 05 | 50 pieces | - |
| | | | | Steel | Silver | 4.60 | 2.50 | 120 1186 0811 06 | 50 pieces | - |
| | | | | Steel | Silver | 5.20 | 1.80 | 120 1326 0842 01 | 100 pieces | - |
| | | | | Steel | Silver | 5.20 | 1.80 | 120 1328 0842 01TL | 50 pieces | - |
| | | | | Steel | Gold | 5.20 | 1.80 | 120 1330 0842 11 | 100 pieces | - |
| | | | | Steel for plastic hinges | Silver | 5.20 | 2.50 | 120 1364 0855 07 | 50 pieces | - |
| | | | | Steel for plastic hinges | Silver | 6.00 | 2.50 | 120 1362 0855 05 | 50 pieces | - |
| | | | | Steel | Silver | 6.50/ 3.50 | 2.00 | 120 1245 0819 04 | 100 pieces | - |
| | | | | Steel | Silver | 6.50/ 3.50 | 2.00 | 120 1246 0819 04TL | 50 pieces | - |
| | | | | Steel | Gold | 6.50/ 3.50 | 2.00 | 120 1262 0819 14 | 100 pieces | - |
| | | | | Steel | Gold | 6.50/ 3.50 | 2.00 | 120 1263 0819 14TL | 50 pieces | - |
| | | | | Steel for plastic hinges | Silver | 7.80 | 2.00 | 120 1359 0855 02 | 50 pieces | - |
| | | | | German Silver | Silver | 9.00 | 2.80 | 120 1306 0837 10 | 100 pieces | - |
| | | | | Steel | Silver | 10.00 | 2.80 | 120 1428 0885 03 | 100 pieces | - |
| | | | | Steel for plastic hinges | Silver | 10.80 | 2.00 | 120 1360 0855 03 | 50 pieces | - |



Screws ascending Thread Size



Thread Size 1.6 mm

|  |  | Function | Screw head | Material | Colour |  |  | Order No. |  | Matching nut |
|---|---|---|---|----------|--------|---|--|----------------------------|---|--------------|
|  |  |  |  | Steel | Silver | 11.60 | 2.00 | 109 4238 0888 04 | 25 pieces | – |
|  |  |  |  | Steel | Gold | 11.60 | 2.00 | 109 4244 0888 14 | 25 pieces | – |
|  |  |  |  | Steel | Black | 11.60 | 2.00 | 109 4250 0888 24 | 25 pieces | – |




















Thread Size 1.7 mm

|  |  | Function | Screw head | Material | Colour |  |  | Order No. |  | Matching nut |
|---|---|---|---|---------------|--------|---|--|----------------------------|---|--------------|
|  |  |  |  | German Silver | Silver | 7.30 | 2.80 | 120 1303 0834 00 | 100 pieces | – |



Thread Size 1.8 mm

|  |  | Function | Screw head | Material | Colour |  |  | Order No. |  | Matching nut |
|---|---|---|---|----------|--------|---|--|----------------------------|---|--------------|
|  |  |  |  | Steel | Silver | 11.60 | 2.00 | 109 4239 0888 05 | 25 pieces | – |
|  |  |  |  | Steel | Gold | 11.60 | 2.00 | 109 4245 0888 15 | 25 pieces | – |
|  |  |  |  | Steel | Black | 11.60 | 2.00 | 109 4251 0888 25 | 25 pieces | – |




TIPS & TRICKS

Complete 4 jobs in 1!

4-in-1-Screw

used for example:
No. 120 1227

Pro Screwdriver

No. 120 2161

Screw Holder Tweezer

No. 120 2156



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

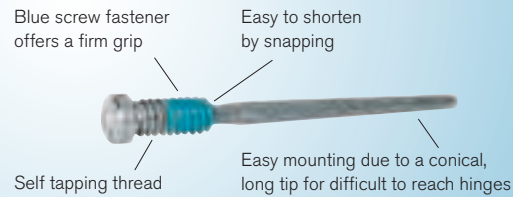

Special Screws

Complete 4 jobs in 1!


























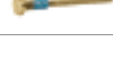




















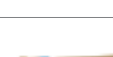


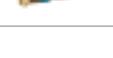
















With the 4-in-1 screw fastening of sunken rim joints and spring hinges will be easier than ever before. The long conical shaped pin makes threading easier and can then be snapped off. Thanks to the self-cutting thread and screw securer no further action is needed.




4-in-1 Screws



| | | Screw head | Material | Colour | | | | Order No. | | Matching nut |
|--|--|------------|----------|--------|------|----------------|------|-----------------------------|-----------|--------------|
| | | | Steel | Silver | 1.00 | 12.80/ 2.80 | 1.40 | 120 1190 0816 000 | 50 pieces | - |
| | | | Steel | Gold | 1.00 | 12.80/ 2.80 | 1.40 | 120 1206 0816 100 | 50 pieces | - |
| | | | Steel | Gun | 1.00 | 12.80/ 2.80 | 1.40 | 120 1218 0816 200 | 50 pieces | - |
| | | | Steel | Silver | 1.20 | 14.80/ 4.80 | 1.80 | 120 1191 0816 001 | 50 pieces | - |
| | | | Steel | Gold | 1.20 | 14.80/ 4.80 | 1.80 | 120 1207 0816 101 | 50 pieces | - |
| | | | Steel | Gun | 1.20 | 14.80/ 4.80 | 1.80 | 120 1219 0816 201 | 50 pieces | - |
| | | | Steel | Silver | 1.20 | 15.50/ 5.50 | 1.80 | 120 1202 0816 012 | 50 pieces | - |
| | | | Steel | Silver | 1.30 | 14.80/ 4.80 | 1.80 | 120 1192 0816 002 | 50 pieces | - |
| | | | Steel | Gold | 1.30 | 14.80/ 4.80 | 1.80 | 120 1208 0816 102 | 50 pieces | - |
| | | | Steel | Gun | 1.30 | 14.80/ 4.80 | 1.80 | 120 1220 0816 202 | 50 pieces | - |
| | | | Steel | Silver | 1.40 | 13.00/ 3.00 | 1.80 | 120 1193 0816 003 | 50 pieces | - |
| | | | Steel | Gold | 1.40 | 13.00/ 3.00 | 1.80 | 120 1209 0816 103 | 50 pieces | - |
| | | | Steel | Gun | 1.40 | 13.00/ 3.00 | 1.80 | 120 1221 0816 203 | 50 pieces | - |
| | | | Steel | Silver | 1.40 | 14.80/ 4.80 | 1.80 | 120 1194 0816 004 | 50 pieces | - |
| | | | Steel | Gold | 1.40 | 14.80/ 4.80 | 1.80 | 120 1210 0816 104 | 50 pieces | - |
| | | | Steel | Gun | 1.40 | 14.80/ 4.80 | 1.80 | 120 1222 0816 204 | 50 pieces | - |
| | | | Steel | Silver | 1.40 | 13.50/ 3.50 | 2.00 | 120 1197 0816 007 | 50 pieces | - |
| | | | Steel | Gold | 1.40 | 13.50/ 3.50 | 2.00 | 120 1213 0816 107 | 50 pieces | - |

| 4-in-1 Screws | | | | | | | | | | |
|---|---|---|----------|--------|---|---|--|-----------------------------|---|--------------|
|  |  | Screw head | Material | Colour |  |  |  | Order No. |  | Matching nut |
|  |  |  | Steel | Gun | 1.40 | 13.50/ 3.50 | 2.00 | 120 1225 0816 207 | 50 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 14.00/ 4.00 | 2.00 | 120 1198 0816 008 | 50 pieces | - |
|  |  |  | Steel | Gold | 1.40 | 14.00/ 4.00 | 2.00 | 120 1214 0816 108 | 50 pieces | - |
|  |  |  | Steel | Gun | 1.40 | 14.00/ 4.00 | 2.00 | 120 1226 0816 208 | 50 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 14.80/ 4.80 | 2.00 | 120 1199 0816 009 | 50 pieces | - |
|  |  |  | Steel | Gold | 1.40 | 14.80/ 4.80 | 2.00 | 120 1215 0816 109 | 50 pieces | - |
|  |  |  | Steel | Gun | 1.40 | 14.80/ 4.80 | 2.00 | 120 1227 0816 209 | 50 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 15.50/ 5.50 | 2.00 | 120 1203 0816 013 | 50 pieces | - |
|  |  |  | Steel | Silver | 1.50 | 14.00/ 4.00 | 1.80 | 120 1195 0816 005 | 50 pieces | - |
|  |  |  | Steel | Gold | 1.50 | 14.00/ 4.00 | 1.80 | 120 1211 0816 105 | 50 pieces | - |
|  |  |  | Steel | Gun | 1.50 | 14.00/ 4.00 | 1.80 | 120 1223 0816 205 | 50 pieces | - |
|  |  |  | Steel | Silver | 1.50 | 14.80/ 4.80 | 1.80 | 120 1196 0816 006 | 50 pieces | - |
|  |  |  | Steel | Gold | 1.50 | 14.80/ 4.80 | 1.80 | 120 1212 0816 106 | 50 pieces | - |
|  |  |  | Steel | Gun | 1.50 | 14.80/ 4.80 | 1.80 | 120 1224 0816 206 | 50 pieces | - |
|  |  |  | Steel | Silver | 1.50 | 14.00/ 4.00 | 2.00 | 120 1200 0816 010 | 50 pieces | - |
|  |  |  | Steel | Gold | 1.50 | 14.00/ 4.00 | 2.00 | 120 1216 0816 110 | 50 pieces | - |
|  |  |  | Steel | Gun | 1.50 | 14.00/ 4.00 | 2.00 | 120 1228 0816 210 | 50 pieces | - |
|  |  |  | Steel | Silver | 1.50 | 14.80/ 4.80 | 2.00 | 120 1201 0816 011 | 50 pieces | - |
|  |  |  | Steel | Gold | 1.50 | 14.80/ 4.80 | 2.00 | 120 1217 0816 111 | 50 pieces | - |
|  |  |  | Steel | Gun | 1.50 | 14.80/ 4.80 | 2.00 | 120 1229 0816 211 | 50 pieces | - |

 "Complete 4 jobs in 1!"
(see page F 35)

4-in-1 Screw Assortment

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

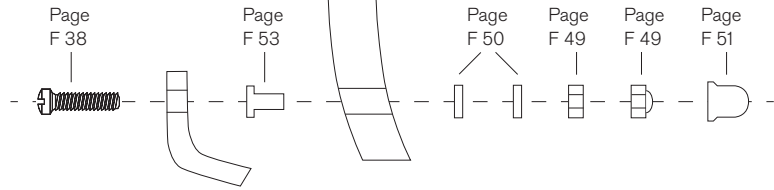
120 1204
0816 050  43 g



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 | 120 1295 0831 00 | 100 pieces | 120 1277 0822 01TL |
| | | | Brass | Gold | 1.20 | 12.00 | 1.80 | 120 1296 0831 10 | 100 pieces | 120 1279 0822 02TL |
| | | | Brass | Gun | 1.20 | 12.00 | 1.80 | 120 1297 0831 20 | 100 pieces | 120 1280 0822 03 |
| | | | German Silver | Silver | 1.20 | 12.00 | 2.50 | 120 1319 0841 01 | 100 pieces | 120 1277 0822 01TL |
| | | | German Silver | Gold | 1.20 | 12.00 | 2.50 | 120 1321 0841 11 | 100 pieces | 120 1279 0822 02TL |
| | | | Steel | Silver | 1.20 | 12.60 | 2.20 | 120 1367 0858 00 | 100 pieces | 120 1277 0822 01TL |
| | | | Steel | Gold | 1.20 | 12.60 | 2.20 | 120 1369 0858 10 | 100 pieces | 120 1279 0822 02TL |
| | | | German Silver | Silver | 1.20 | 15.00 | 1.80 | 120 1333 0843 00 | 100 pieces | 120 1277 0822 01TL |
| | | | German Silver | Silver | 1.40 | 12.00 | 2.50 | 120 1318 0841 00 | 100 pieces | 120 1284 0824 01TL |
| | | | Brass | Gold | 1.40 | 12.00 | 2.50 | 120 1320 0841 10 | 100 pieces | 120 1286 0824 02TL |
| | | | German Silver | Gun | 1.40 | 12.00 | 2.50 | 120 1322 0841 20 | 100 pieces | 120 1287 0824 03 |
| | | | Steel | Silver | 1.40 | 12.60 | 2.20 | 120 1368 0858 01 | 100 pieces | 120 1284 0824 01TL |
| | | | Steel | Gold | 1.40 | 12.60 | 2.20 | 120 1370 0858 11 | 100 pieces | 120 1286 0824 02TL |
| | | | German Silver | Silver | 1.40 | 15.00 | 1.80 | 120 1334 0843 01 | 100 pieces | 120 1284 0824 01TL |



| | | Screw head | Material | Colour | | | | Order No. | | Matching nut |
|--|--|------------|----------|--------|------|------|------|----------------------------|------------|--------------|
| | | | Steel | Silver | 1.20 | 3.40 | 1.60 | 120 1419 0882 00 | 100 pieces | - |
| | | | Steel | Gold | 1.20 | 3.40 | 1.60 | 120 1420 0882 10 | 100 pieces | - |
| | | | Steel | Silver | 1.20 | 7.00 | 2.00 | 120 1421 0883 00 | 100 pieces | - |
| | | | Steel | Silver | 1.30 | 3.50 | 1.70 | 120 1416 0880 00 | 100 pieces | - |
| | | | Steel | Gold | 1.30 | 3.50 | 1.70 | 120 1417 0880 10 | 100 pieces | - |
| | | | Steel | Silver | 1.40 | 3.60 | 2.00 | 120 1422 0884 00 | 100 pieces | - |
| | | | Steel | Silver | 1.40 | 4.40 | 2.00 | 120 1423 0884 01 | 100 pieces | - |
| | | | Steel | Silver | 1.40 | 4.70 | 2.00 | 120 1424 0884 02 | 100 pieces | - |
| | | | Steel | Silver | 1.60 | 4.00 | 2.50 | 120 1185 0811 05 | 50 pieces | - |
| | | | Steel | Silver | 1.60 | 4.60 | 2.50 | 120 1186 0811 06 | 50 pieces | - |












Special Screws

























Torx Screws

























Made of steel, available in silver colour and sizes TX2, TX3 and TX4





| Torx Screws TX2 | | | | | | | | | | |
|---|---|---|----------|--------|---|---|---|----------------------------|---|--------------|
|  |  | Screw head | Material | Colour |  |  |  | Order No. |  | Matching nut |
|  |  |  | Steel | Silver | 1.00 | 4.50 | 1.80 | 120 1459 0889 00 | 100 pieces | - |

| Torx Screws TX3 | | | | | | | | | | |
|---|---|---|----------|--------|---|---|---|----------------------------|---|--------------|
|  |  | Screw head | Material | Colour |  |  |  | Order No. |  | Matching nut |
|  |  |  | Steel | Silver | 1.20 | 3.00 | 2.00 | 120 1432 0886 03 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.20 | 3.50 | 2.00 | 120 1433 0886 04 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.20 | 3.90 | 2.00 | 109 2223 0886 00 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.20 | 4.00 | 2.00 | 120 1434 0886 05 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.20 | 4.40 | 2.00 | 109 2224 0886 01 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.20 | 4.90 | 2.00 | 109 2225 0886 02 | 100 pieces | - |

| Torx Screws TX4 | | | | | | | | | | |
|---|---|---|----------|--------|---|---|---|----------------------------|---|--------------|
|  |  | Screw head | Material | Colour |  |  |  | Order No. |  | Matching nut |
|  |  |  | Steel | Silver | 1.40 | 3.00 | 2.00 | 120 1438 0887 03 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 3.50 | 2.00 | 120 1439 0887 04 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 3.90 | 2.00 | 109 2226 0887 00 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 4.00 | 2.00 | 120 1440 0887 05 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 4.40 | 2.00 | 109 2227 0887 01 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 4.90 | 2.00 | 109 2228 0887 02 | 100 pieces | - |



You will find our Torx drivers on page C 9.

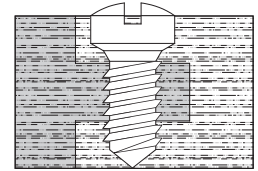
Special Screws


































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 | Gun | 1.20 | 3.00 | 2.30 | 120 1301 0833 20 | 50 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 7.80 | 2.00 | 120 1357 0855 00 | 50 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 10.80 | 2.00 | 120 1358 0855 01 | 50 pieces | - |
|  |  |  | Steel | Silver | 1.50 | 5.00 | 2.00 | 120 1361 0855 04 | 50 pieces | - |
|  |  |  | Steel | Silver | 1.60 | 4.00 | 2.50 | 120 1363 0855 06 | 50 pieces | - |
|  |  |  | Steel | Silver | 1.60 | 5.20 | 2.50 | 120 1364 0855 07 | 50 pieces | - |
|  |  |  | Steel | Silver | 1.60 | 6.00 | 2.50 | 120 1362 0855 05 | 50 pieces | - |
|  |  |  | Steel | Silver | 1.60 | 7.80 | 2.00 | 120 1359 0855 02 | 50 pieces | - |
|  |  |  | Steel | Silver | 1.60 | 10.80 | 2.00 | 120 1360 0855 03 | 50 pieces | - |

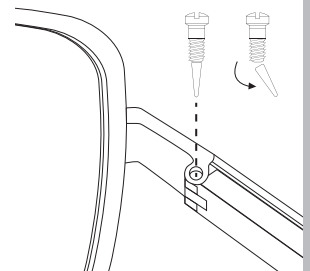
Spring Hinge Screws



















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 | 120 1247 0819 05 | 100 pieces | - |
|  |  |  | Steel | Gold | 1.00 | 5.80/ 2.80 | 1.40 | 120 1264 0819 15 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.20 | 5.90/ 3.50 | 2.00 | 120 1243 0819 03 | 100 pieces | - |
|  |  |  | Steel | Gold | 1.20 | 5.90/ 3.50 | 2.00 | 120 1260 0819 13 | 100 pieces | - |



Special Screws

| Spring Hinge Screws | | | | | | | | | | |
|---|---|---|----------|--------|---|---|--|-----------------------------|---|--------------|
|  |  | Screw head | Material | Colour |  |  |  | Order No. |  | Matching nut |
|  |  |  | Steel | Gun | 1.20 | 5.90/ 3.50 | 2.00 | 120 1272 0819 23 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.20 | 7.00/ 4.00 | 2.00 | 120 1253 0819 08 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.20 | 7.50/ 4.50 | 2.00 | 120 1254 0819 09 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.30 | 6.50/ 3.50 | 2.00 | 120 1249 0819 06 | 100 pieces | - |
|  |  |  | Steel | Gold | 1.30 | 6.50/ 3.50 | 2.00 | 120 1266 0819 16 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 6.50/ 3.50 | 2.00 | 120 1236 0819 00 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 7.00/ 4.00 | 2.00 | 120 1238 0819 01 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 7.80/ 4.80 | 2.00 | 120 1242 0819 02 | 100 pieces | - |
|  |  |  | Steel | Gold | 1.40 | 6.50/ 3.50 | 2.00 | 120 1255 0819 10 | 100 pieces | - |
|  |  |  | Steel | Gold | 1.40 | 7.00/ 4.00 | 2.00 | 120 1257 0819 11 | 100 pieces | - |
|  |  |  | Steel | Gold | 1.40 | 7.80/ 4.80 | 2.00 | 120 1259 0819 12 | 100 pieces | - |
|  |  |  | Steel | Gun | 1.40 | 6.50/ 3.50 | 2.00 | 120 1270 0819 20 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 8.50/ 5.50 | 2.00 | 120 1239 0819 010 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 9.50/ 6.50 | 2.00 | 120 1240 0819 011 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 10.60/ 3.60 | 1.80 | 120 1230 0817 00 | 100 pieces | - |
|  |  |  | Steel | Gold | 1.40 | 10.60/ 3.60 | 1.80 | 120 1233 0817 10 | 100 pieces | - |
|  |  |  | Steel | Gun | 1.40 | 10.60/ 3.60 | 1.80 | 120 1234 0817 20 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.50 | 6.50/ 3.50 | 2.00 | 120 1251 0819 07 | 100 pieces | - |
|  |  |  | Steel | Gold | 1.50 | 6.50/ 3.50 | 2.00 | 120 1268 0819 17 | 100 pieces | - |
|  |  |  | Steel | Silver | 1.60 | 6.50/ 3.50 | 2.00 | 120 1245 0819 04 | 100 pieces | - |
|  |  |  | Steel | Gold | 1.60 | 6.50/ 3.50 | 2.00 | 120 1262 0819 14 | 100 pieces | - |

Special Screws

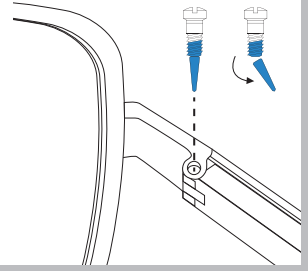
Spring Hinge Screws with blue Screw Securer























































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 | 120 1248 0819 05TL | 50 pieces | - |
|  |  |  | Steel | Gold | 1.00 | 5.80/ 2.80 | 1.40 | 120 1265 0819 15TL | 50 pieces | - |
|  |  |  | Steel | Silver | 1.20 | 5.90/ 3.50 | 2.00 | 120 1244 0819 03TL | 50 pieces | - |
|  |  |  | Steel | Gold | 1.20 | 5.90/ 3.50 | 2.00 | 120 1261 0819 13TL | 50 pieces | - |
|  |  |  | Steel | Gun | 1.20 | 5.90/ 3.50 | 2.00 | 120 1273 0819 23TL | 50 pieces | - |
|  |  |  | Steel | Silver | 1.30 | 6.50/ 3.50 | 2.00 | 120 1250 0819 06TL | 50 pieces | - |
|  |  |  | Steel | Gold | 1.30 | 6.50/ 3.50 | 2.00 | 120 1267 0819 16TL | 50 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 6.50/ 3.50 | 2.00 | 120 1237 0819 00TL | 50 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 7.00/ 4.00 | 2.00 | 120 1241 0819 01TL | 50 pieces | - |
|  |  |  | Steel | Gold | 1.40 | 6.50/ 3.50 | 2.00 | 120 1256 0819 10TL | 50 pieces | - |
|  |  |  | Steel | Gold | 1.40 | 7.00/ 4.00 | 2.00 | 120 1258 0819 11TL | 50 pieces | - |
|  |  |  | Steel | Gun | 1.40 | 6.50/ 3.50 | 2.00 | 120 1271 0819 20TL | 50 pieces | - |
|  |  |  | Steel | Silver | 1.50 | 6.50/ 3.50 | 2.00 | 120 1252 0819 07TL | 50 pieces | - |
|  |  |  | Steel | Gold | 1.50 | 6.50/ 3.50 | 2.00 | 120 1269 0819 17TL | 50 pieces | - |
|  |  |  | Steel | Silver | 1.60 | 6.50/ 3.50 | 2.00 | 120 1246 0819 04TL | 50 pieces | - |
|  |  |  | Steel | Gold | 1.60 | 6.50/ 3.50 | 2.00 | 120 1263 0819 14TL | 50 pieces | - |



Special Screws

Hilco Logic® Screws











































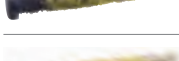

















In 1998 Hilco simplified eyewear repair with the Logic® nose pad.

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 | 109 4234 0888 00 | 25 pieces | - |
|  |  |  | Steel | Gold | 1.20 | 11.60 | 2.00 | 109 4240 0888 10 | 25 pieces | - |
|  |  |  | Steel | Black | 1.20 | 11.60 | 2.00 | 109 4246 0888 20 | 25 pieces | - |
|  |  |  | Steel | Silver | 1.30 | 11.60 | 2.00 | 109 4235 0888 01 | 25 pieces | - |
|  |  |  | Steel | Gold | 1.30 | 11.60 | 2.00 | 109 4241 0888 11 | 25 pieces | - |
|  |  |  | Steel | Black | 1.30 | 11.60 | 2.00 | 109 4247 0888 21 | 25 pieces | - |
|  |  |  | Steel | Silver | 1.40 | 11.60 | 2.00 | 109 4236 0888 02 | 25 pieces | - |
|  |  |  | Steel | Gold | 1.40 | 11.60 | 2.00 | 109 4242 0888 12 | 25 pieces | - |
|  |  |  | Steel | Black | 1.40 | 11.60 | 2.00 | 109 4248 0888 22 | 25 pieces | - |
|  |  |  | Steel | Silver | 1.50 | 11.60 | 2.00 | 109 4237 0888 03 | 25 pieces | - |
|  |  |  | Steel | Gold | 1.50 | 11.60 | 2.00 | 109 4243 0888 13 | 25 pieces | - |
|  |  |  | Steel | Black | 1.50 | 11.60 | 2.00 | 109 4249 0888 23 | 25 pieces | - |
|  |  |  | Steel | Silver | 1.60 | 11.60 | 2.00 | 109 4238 0888 04 | 25 pieces | - |
|  |  |  | Steel | Gold | 1.60 | 11.60 | 2.00 | 109 4244 0888 14 | 25 pieces | - |
|  |  |  | Steel | Black | 1.60 | 11.60 | 2.00 | 109 4250 0888 24 | 25 pieces | - |
|  |  |  | Steel | Silver | 1.80 | 11.60 | 2.00 | 109 4239 0888 05 | 25 pieces | - |
|  |  |  | Steel | Gold | 1.80 | 11.60 | 2.00 | 109 4245 0888 15 | 25 pieces | - |
|  |  |  | Steel | Black | 1.80 | 11.60 | 2.00 | 109 4251 0888 25 | 25 pieces | - |

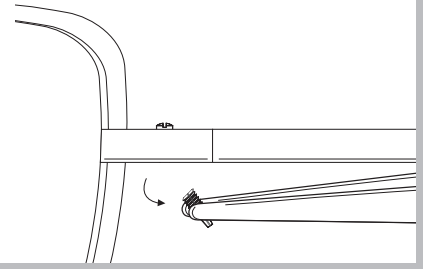
Special Screws

Screws with transparent Nylon Securer

Made of steel, available colours: silver and gold

Transparent nylon inlay

Self tapping thread

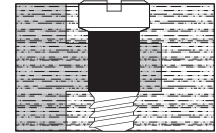


| | | Screw head | Material | Colour | | | | Order No. | | Matching nut |
|--|--|------------|----------|--------|------|-------|------|----------------------------|-----------|--------------|
| | | | Steel | Silver | 1.30 | 11.50 | 1.80 | 120 1383 0861 01 | 50 pieces | - |
| | | | Steel | Gold | 1.30 | 11.50 | 1.80 | 120 1384 0861 11 | 50 pieces | - |
| | | | Steel | Silver | 1.40 | 11.50 | 1.80 | 120 1385 0862 01 | 50 pieces | - |
| | | | Steel | Gold | 1.40 | 11.50 | 1.80 | 120 1386 0862 11 | 50 pieces | - |
| | | | Steel | Silver | 1.50 | 11.50 | 1.80 | 120 1387 0863 01 | 50 pieces | - |
| | | | Steel | Gold | 1.50 | 11.50 | 1.80 | 120 1388 0863 11 | 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 | 120 1180 0811 00 | 50 pieces | - |
| | | | Steel | Silver | 1.40 | 3.50 | 2.00 | 120 1181 0811 01 | 50 pieces | - |
| | | | Steel | Silver | 1.40 | 4.00 | 2.00 | 120 1182 0811 02 | 50 pieces | - |
| | | | Steel | Silver | 1.40 | 4.50 | 2.00 | 120 1183 0811 03 | 50 pieces | - |
| | | | Steel | Silver | 1.60 | 3.50 | 2.50 | 120 1184 0811 04 | 50 pieces | - |
| | | | Steel | Silver | 1.60 | 4.00 | 2.50 | 120 1185 0811 05 | 50 pieces | - |
| | | | Steel | Silver | 1.60 | 4.60 | 2.50 | 120 1186 0811 06 | 50 pieces | - |



Special Screws

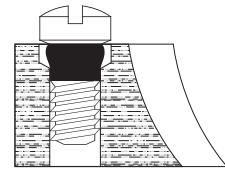
Screws with black Screw Securer

The black securing ring wedges to give a firm grip



Phillips/ slotted combination for a free screwdriver selection

Material: steel



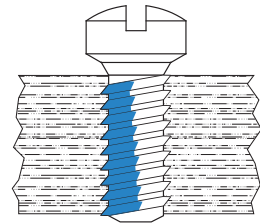
| | | Screw head | Material | Colour | | | | Order No. | | Matching nut |
|--|--|------------|----------|--------|------|------|------|----------------------------|------------|--------------|
| | | | Steel | Silver | 1.40 | 2.80 | 1.80 | 120 1347 0851 01 | 100 pieces | - |
| | | | Steel | Silver | 1.40 | 3.30 | 2.00 | 120 1401 0869 01 | 100 pieces | - |
| | | | Steel | Silver | 1.40 | 3.40 | 1.80 | 120 1348 0851 02 | 100 pieces | - |
| | | | Steel | Silver | 1.40 | 3.70 | 2.00 | 120 1402 0869 02 | 100 pieces | - |
| | | | Steel | Silver | 1.40 | 3.90 | 2.00 | 120 1400 0869 00 | 100 pieces | - |
| | | | Steel | Silver | 1.40 | 4.00 | 1.80 | 120 1349 0851 03 | 100 pieces | - |
| | | | Steel | Silver | 1.40 | 4.20 | 2.00 | 120 1403 0869 03 | 100 pieces | - |
| | | | Steel | Silver | 1.40 | 4.30 | 1.80 | 120 1346 0851 00 | 100 pieces | - |

Screws with blue Tuflock Securer

Available in silver



Reusable due to Tuflock coating on thread of screw



| | | Function | Screw head | Material | Colour | | | | Order No. | | Matching nut |
|--|--|----------|------------|---------------|--------|------|------|------|------------------------------|-----------|--------------|
| | | | | German Silver | Silver | 1.00 | 4.00 | 1.40 | 120 1471 0896 00TL | 50 pieces | - |
| | | | | Steel | Silver | 1.40 | 6.00 | 1.80 | 120 1381 0860 58TL | 50 pieces | - |
| | | | | Steel | Silver | 1.40 | 6.50 | 1.80 | 120 1376 0860 30TL | 50 pieces | - |
| | | | | Steel | Silver | 1.50 | 5.20 | 1.80 | 120 1325 0842 00TL | 50 pieces | - |
| | | | | Steel | Silver | 1.60 | 5.20 | 1.80 | 120 1328 0842 01TL | 50 pieces | - |

Screw Assortment

Contents: 28 different screws and nuts (2,800 pieces)

120 1465

0890 16



Our small parts organiser boxes can be found on page G 12 and G 13.

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

120 1466

0890 17



Screw Assortment

In organiser box system No. 120 1816 (see catalogue page G 12).

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

120 1464
0890 10



Rimless Frames Assortment

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

120 1467
0890 18


















































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 (1,000 pieces)

120 1051
0745 50

















| Nuts | | | | | | | | | |
|---|---|---|---------------|--------|---|---|------------------------------|---|----------------------------|
|  |  | Style | Material | Colour |  |  | Order No. |  | Matching nut driver |
|  |  |  | German Silver | Silver | 1.20 | 2.50 | 120 1276 0822 01 | 100 pieces | 120 2342 1746 00 |
|  |  |  | German Silver | Silver | 1.20 | 2.50 | 120 1277 0822 01TL | 100 pieces | 120 2342 1746 00 |
|  |  |  | Brass | Gold | 1.20 | 2.50 | 120 1278 0822 02 | 100 pieces | 120 2342 1746 00 |
|  |  |  | Brass | Gold | 1.20 | 2.50 | 120 1279 0822 02TL | 100 pieces | 120 2342 1746 00 |
|  |  |  | German Silver | Gun | 1.20 | 2.50 | 120 1280 0822 03 | 100 pieces | 120 2342 1746 00 |
|  |  |  | German Silver | Silver | 1.30 | 2.50 | 120 1281 0823 01 | 100 pieces | 120 2342 1746 00 |
|  |  |  | German Silver | Gun | 1.30 | 2.50 | 120 1282 0823 03 | 100 pieces | 120 2342 1746 00 |
|  |  |  | German Silver | Silver | 1.40 | 2.50 | 120 1283 0824 01 | 100 pieces | 120 2342 1746 00 |
|  |  |  | German Silver | Silver | 1.40 | 2.50 | 120 1284 0824 01TL | 100 pieces | 120 2342 1746 00 |
|  |  |  | Brass | Gold | 1.40 | 2.50 | 120 1285 0824 02 | 100 pieces | 120 2342 1746 00 |
|  |  |  | Brass | Gold | 1.40 | 2.50 | 120 1286 0824 02TL | 100 pieces | 120 2342 1746 00 |
|  |  |  | German Silver | Gun | 1.40 | 2.50 | 120 1287 0824 03 | 100 pieces | 120 2342 1746 00 |
|  |  |  | German Silver | Silver | 1.50 | 2.50 | 120 1294 0830 01 | 100 pieces | 120 2342 1746 00 |
|  |  |  | German Silver | Silver | 1.60 | 2.60 | 120 1300 0833 01 | 100 pieces | 120 2350 1767 00 |

| Dome Nuts | | | | | | | | | |
|---|---|---|---------------|--------|---|---|----------------------------|---|----------------------------|
|  |  | Style | Material | Colour |  |  | Order No. |  | Matching nut driver |
|  |  |  | German Silver | Silver | 1.20 | 2.20 | 120 1312 0839 00 | 100 pieces | 120 2348 1749 00 |
|  |  |  | Brass | Gold | 1.20 | 2.20 | 120 1313 0839 10 | 100 pieces | 120 2348 1749 00 |
|  |  |  | German Silver | Gun | 1.20 | 2.20 | 120 1314 0839 20 | 100 pieces | 120 2348 1749 00 |
|  |  |  | Steel | Silver | 1.20 | 2.40 | 120 1298 0832 00 | 100 pieces | 120 2350 1767 00 |
|  |  |  | Steel | Gold | 1.20 | 2.40 | 120 1299 0832 10 | 100 pieces | 120 2350 1767 00 |
|  |  |  | German Silver | Silver | 1.40 | 2.20 | 120 1315 0840 00 | 100 pieces | 120 2348 1749 00 |
|  |  |  | Brass | Gold | 1.40 | 2.20 | 120 1316 0840 10 | 100 pieces | 120 2348 1749 00 |






 Screw securer

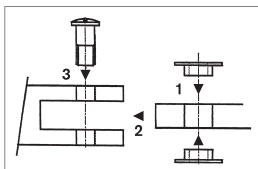


Dome Nuts

|  |  | Style | Material | Colour |  |  | Order No. |  | Matching nut driver |
|---|---|---|---------------|--------|---|---|----------------------------|---|----------------------------|
|  |  |  | German Silver | Gun | 1.40 | 2.20 | 120 1317 0840 20 | 100 pieces | 120 2348 1749 00 |
|  |  |  | Steel | Silver | 1.40 | 2.40 | 120 1307 0838 00 | 100 pieces | 120 2350 1767 00 |
|  |  |  | Steel | Gold | 1.40 | 2.40 | 120 1311 0838 10 | 100 pieces | 120 2350 1767 00 |


























Special Washers for Titanium Temples




























|  |  | Schematic side view | Material | Colour |  |  | Order No. |  |
|---|---|---|----------|--------|---|---|----------------------------|---|
|  |  |  | Steel | Silver | 1.20 | 2.80 | 120 1027 0745 07 | 100 pieces |
|  |  |  | Steel | Silver | 1.40 | 2.80 | 120 1028 0745 08 | 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 | 120 1030 0745 10 | 100 pieces |
|  |  | Brass for screws with conical heads | Gold | 1.20 | 2.80 | 120 1031 0745 11 | 100 pieces |
|  |  | German Silver | Silver | 1.20 | 2.50 | 109 8816 0745 20 | 100 pieces |
|  |  | German Silver | Gold | 1.20 | 2.50 | 120 1034 0745 14 | 100 pieces |
|  |  | German Silver | Gun | 1.20 | 2.50 | 120 1048 0745 30 | 100 pieces |
|  |  | Plastic | Transparent | 1.30 | 2.60 | 120 1024 0745 00 | 150 pieces |
|  |  | German Silver | Silver | 1.30 | 2.50 | 120 1041 0745 21 | 100 pieces |
|  |  | German Silver | Gold | 1.30 | 2.50 | 120 1035 0745 15 | 100 pieces |
|  |  | Plastic | Transparent | 1.40 | 2.80 | 120 1026 0745 02 | 150 pieces |
|  |  | German Silver | Silver | 1.40 | 2.50 | 109 8817 0745 22 | 100 pieces |

| Washers for Rimless Frames | | | | | | | |
|---|---|--|-------------|--|---|----------------------------|---|
|  |  | Material | Colour |  |  | Order No. |  |
|  |  | German Silver | Gold | 1.40 | 2.50 | 120 1036 0745 16 | 100 pieces |
|  |  | German Silver | Gun | 1.40 | 2.80 | 120 1049 0745 32 | 100 pieces |
|  |  | German Silver for screws with conical heads | Silver | 1.40 | 2.80 | 120 1029 0745 09 | 100 pieces |
|  |  | German Silver | Silver | 1.50 | 2.50 | 120 1043 0745 23 | 100 pieces |
|  |  | German Silver | Gold | 1.50 | 2.50 | 120 1037 0745 17 | 100 pieces |
|  |  | Plastic | Transparent | 1.60 | 3.00 | 120 1033 0745 13 | 150 pieces |
|  |  | German Silver for reach nuts No. 109 2219 | Silver | 1.65 | 2.70 | 120 1044 0745 24 | 100 pieces |
|  |  | German Silver for reach nuts No. 109 2220 | Gold | 1.65 | 2.70 | 120 1038 0745 18 | 100 pieces |
|  |  | German Silver for reach nuts No. 109 2221 | Silver | 1.85 | 2.90 | 120 1045 0745 25 | 100 pieces |
|  |  | German Silver for reach nuts No. 109 2222 | Gold | 1.85 | 2.90 | 120 1039 0745 19 | 100 pieces |
|  |  | Plastic | Transparent | 2.00 | 3.50 | 120 1050 0745 33 | 150 pieces |



You will find our washer assortment No. 120 1051 on page F 48.

| Reach Nuts | | | | | | | | | | |
|---|---|---|---------------|--------|---|---|---|----------------------------|---|----------------------------|
|  |  | Style | Material | Colour |  |  |  | Order No. |  | Matching nut driver |
|  |  |  | German Silver | Silver | 1.20 | 4.00 | 2.50 | 109 2219 0844 00 | 100 pieces | 120 2342 1746 00 |
|  |  |  | Brass | Gold | 1.20 | 4.00 | 2.50 | 109 2220 0844 10 | 100 pieces | 120 2342 1746 00 |
|  |  |  | German Silver | Silver | 1.40 | 4.00 | 2.50 | 109 2221 0845 00 | 100 pieces | 120 2342 1746 00 |
|  |  |  | Brass | Gold | 1.40 | 4.00 | 2.50 | 109 2222 0845 10 | 100 pieces | 120 2342 1746 00 |

| Caps for Rimless Frame Screws | | | | | | | | |
|---|---|----------|-------------|---|---|---|----------------------------|---|
|  |  | Material | Colour |  |  |  | Order No. |  |
|  |  | Plastic | Transparent | 1.20 | 2.50 | 3.50 | 120 1107 0771 22 | 100 pieces |
|  |  | Plastic | Transparent | 1.40 | 2.50 | 3.50 | 120 1108 0771 23 | 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
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Sleeves for Rimless Frames

|  |  | Material | Colour | Material quality |  |  | Order No. |  |
|---|---|----------|-------------|--------------------------|---|---|----------------------------|---|
|  |  | Plastic | Transparent | Medium soft | 0.80 | 1.30 | 120 1112 0771 27 | 50 pieces |
|  |  | Plastic | Transparent | Medium soft | 0.80 | 1.40 | 120 1094 0771 04 | 50 pieces |
|  |  | Plastic | Transparent | Soft | 0.80 | 1.40 | 120 1095 0771 05 | 50 pieces |
|  |  | Plastic | Transparent | Medium hard | 0.80 | 1.40 | 120 1096 0771 06 | 50 pieces |
|  |  | Plastic | Transparent | Soft open version | 0.80 | 1.40 | 120 1100 0771 10 | 50 pieces |
|  |  | Plastic | Transparent | Medium hard open version | 0.80 | 1.40 | 120 1101 0771 11 | 50 pieces |
|  |  | Plastic | Transparent | Medium soft open version | 0.80 | 1.40 | 120 1103 0771 12 | 50 pieces |
|  |  | Plastic | Transparent | Medium soft | 0.80 | 1.50 | 120 1113 0771 28 | 50 pieces |
|  |  | Plastic | Transparent | Soft | 1.00 | 1.80 | 120 1097 0771 07 | 50 pieces |
|  |  | Plastic | Transparent | Medium hard | 1.00 | 1.80 | 120 1098 0771 08 | 50 pieces |
|  |  | Plastic | Transparent | Medium soft | 1.00 | 1.80 | 120 1099 0771 09 | 50 pieces |

Sleeves for Rimless Frames

|  |  | Schematic side view | Material | Colour | Material quality |  |  | Order No. |  |
|---|---|---|----------|-------------|------------------|---|---|----------------------------|---|
|  |  |  | Plastic | Transparent | | 1.20 | 2.80 | 120 1104 0771 13 | 100 pieces |
|  |  |  | Plastic | Transparent | | 1.40 | 2.80 | 120 1105 0771 14 | 100 pieces |
|  |  | | Plastic | Transparent | Hard | 1.00 | 1.80 | 109 2671 0771 21 | 50 pieces |
|  |  | | Plastic | Transparent | Hard | 0.80 | 1.50 | 120 1109 0771 24 | 50 pieces |
|  |  | | Plastic | Transparent | Hard | 0.80 | 1.40 | 120 1110 0771 25 | 50 pieces |
|  |  | | Plastic | Transparent | Hard | 0.80 | 1.50 | 109 2672 0771 26 | 50 pieces |
|  |  | | Plastic | Transparent | Soft | 0.80 | 1.60 | 120 1115 0771 30 | 50 pieces |
|  |  | | Plastic | Transparent | Hard | 1.00 | 1.80 | 120 1114 0771 29 | 50 pieces |

Sleeves Assortment

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

108 0775
0771 50

 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 | 120 0565 0400 01 | 10 pieces |
| | | | 2.5 | 0.75-0.75 | 5.0 | 1.8 | 0° | 1.4 | 120 0566 0400 02 | 10 pieces |
| | | | 2.5 | 1.0 | 5.0 | 1.8 | 0° | 1.4 | 120 0567 0400 10 | 10 pieces |
| | | | 3.0 | 0.9-0.9 | 5.0 | 1.8 | 0° | 1.4 | 120 0570 0401 01 | 10 pieces |
| | | | 3.0 | 0.9-0.9 | 5.0 | 1.8 | 0° | 1.4 | 120 0571 0401 02 | 10 pieces |
| | | | 3.0 | 1.2 | 5.0 | 1.8 | 0° | 1.4 | 120 0572 0401 10 | 10 pieces |
| | | | 3.0 | 0.9-0.9 | 5.0 | 1.6 | 0° | 1.4 | 120 0574 0402 01 | 10 pieces |
| | | | 3.0 | 0.9-0.9 | 5.0 | 1.6 | 0° | 1.4 | 120 0575 0402 02 | 10 pieces |
| | | | 3.5 | 1.0-1.0 | 3.95 | 1.6 | 0° | 1.4 | 120 0576 0403 01 | 10 pieces |
| | | | 3.5 | 1.0-1.0 | 3.95 | 1.6 | 0° | 1.4 | 120 0577 0403 02 | 10 pieces |
| | | | 3.5 | 1.05-1.05 | 5.0 | 1.8 | 0° | 1.4 | 120 0578 0404 01 | 10 pieces |
| | | | 3.5 | 1.05-1.05 | 5.0 | 1.8 | 0° | 1.4 | 120 0579 0404 02 | 10 pieces |
| | | | 3.5 | 1.4 | 5.0 | 1.8 | 0° | 1.4 | 120 0580 0404 10 | 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 | 120 0611 0441 10 | 5 pairs |
| | | | 3.0 | 0.8-0.8 | 0° | 1.2 | | |
| | | | 3.0 | 1.3 | 0° | - | | |
| | | | 3.3 | 0.9-0.9 | 6° | 1.2 | 120 0613 0442 10 | 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 | 120 0614 0443 00 | 5 pieces |
| | German Silver | Silver | 1.0 | 1.4 | 120 0615 0443 01 | 5 pieces |
| | German Silver | Silver | 1.2 | 1.4 | 120 0616 0443 02 | 5 pieces |
| | German Silver | Silver | 1.4 | 1.4 | 120 0617 0443 03 | 5 pieces |
























Hinges Assortment

Contents: Solder hinges 120 0570-72 (10 pieces each)
 rivet hinges 120 0585-87 (10 pieces each)
 rivets 120 1504 (100 pieces)
 (160 pieces)

120 0568
0400 50



Hinges

| Rivet Hinges | | | | | | | | | | |
|---|---|---|---|---|---|---|--|---|----------------------------|---|
| Middle part | | Temple part | |  |  |  |  |  | Order No. |  |
| left | right | left | right | | | | | | | |
|  | | | | 3.0 | 1.0 | 2.5 | 6° | 1.4 | 120 0581 0405 01 | 10 pieces |
| |  | | | 3.0 | 1.0 | 2.5 | 6° | 1.4 | 120 0582 0405 02 | 10 pieces |
| | |  | | 3.0 | 0.8-0.8 | 2.5 | 6° | 1.4 | 120 0583 0405 11 | 10 pieces |
| | | |  | 3.0 | 0.8-0.8 | 2.5 | 6° | 1.4 | 120 0584 0405 12 | 10 pieces |
|  | | | | 3.0 | 1.2 | 2.5 | 0° | 1.4 | 120 0585 0406 00 | 10 pieces |
| |  | | | 3.0 | 0.9-0.9 | 2.5 | 0° | 1.4 | 120 0586 0406 11 | 10 pieces |
| | |  | | 3.0 | 0.9-0.9 | 2.5 | 0° | 1.4 | 120 0587 0406 12 | 10 pieces |
|  | | | | 3.5 | 1.4 | 2.5 | 6° | 1.4 | 120 0588 0407 01 | 10 pieces |
| |  | | | 3.5 | 1.4 | 2.5 | 6° | 1.4 | 120 0589 0407 02 | 10 pieces |
| | |  | | 3.5 | 0.9-0.9 | 2.5 | 6° | 1.4 | 120 0590 0407 11 | 10 pieces |
| | | |  | 3.5 | 0.9-0.9 | 2.5 | 6° | 1.4 | 120 0591 0407 12 | 10 pieces |
|  | | | | 6.0 | 0.8-0.8 | 2.5 | 6° | 1.4 | 120 0592 0408 01 | 10 pieces |
| |  | | | 6.0 | 0.8-0.8 | 2.5 | 6° | 1.4 | 120 0593 0408 02 | 10 pieces |
|  | | | | 6.0 | 0.8-0.8 | 2.5 | 6° | 1.4 | 120 0594 0408 03 | 10 pieces |
| |  | | | 6.0 | 0.8-0.8 | 2.5 | 6° | 1.4 | 120 0595 0408 04 | 10 pieces |
| | |  | | 6.0 | 1.1-0.7-1.1 | 2.5 | 6° | 1.4 | 120 0596 0408 11 | 10 pieces |
| | | |  | 6.0 | 1.1-0.7-1.1 | 2.5 | 6° | 1.4 | 120 0597 0408 12 | 10 pieces |

Hinges

| Hidden Hinges | | | | | | | | |
|----------------------|------------------|-------------------|-----|---------|----|-----|----------------------------|-----------|
| Middle part straight | Middle part left | Middle part right | | | | | Order No. | |
| | | | 5.0 | 1.0 | 0° | 1.4 | 109 8939 0409 00 | 10 pieces |
| | | | 5.0 | 1.2 | 0° | 1.4 | 109 8940 0412 00 | 10 pieces |
| | | | 5.0 | 1.4 | 0° | 1.4 | 109 8941 0414 00 | 10 pieces |
| | | | 4.4 | 1.3 | 0° | 1.4 | 120 0601 0416 00 | 10 pieces |
| | | | 3.5 | 1.4 | 0° | 1.4 | 120 0602 0417 00 | 10 pieces |
| | | | 3.5 | 1.6 | 0° | 1.4 | 120 0603 0418 00 | 10 pieces |
| | | | 7.0 | 1.6 | 0° | 1.4 | 120 0604 0422 00 | 10 pieces |
| | | | 3.3 | 0.9-0.9 | 0° | 1.4 | 120 0607 0424 01 | 10 pieces |
| | | | 3.3 | 0.9-0.9 | 0° | 1.4 | 120 0608 0424 02 | 10 pieces |
| | | | 4.5 | 1.0-1.0 | 0° | 1.4 | 120 0609 0425 01 | 10 pieces |
| | | | 4.5 | 1.0-1.0 | 0° | 1.4 | 120 0610 0425 02 | 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 | 120 1475 0898 01 | 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 | 120 1476 0898 02 | 10 pieces |

| Rivets | | | | | | | | |
|--------|--|---------------|--------|-------|------|------------|----------------------------|------------|
| | | Material | Colour | | | | Order No. | |
| | | German Silver | Silver | 25.00 | 1.70 | 0.70: 1.70 | 120 1505 0906 00 | 200 pieces |
| | | German Silver | Silver | 10.00 | 1.80 | 1.20 | 120 1504 0904 03 | 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 Icons guarantees:

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

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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 60 F 60–F 61 F 62 F 62 F 62 F 63</p> |
|  | <p>Silicone Temple End</p> <ul style="list-style-type: none"> ▪ Length: 65 mm ▪ Length: 67 mm ▪ Length: 70 mm | <p>F 63 F 63 F 63</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 64 F 64 F 64 F 64</p> |
|  | <p>Temple End for ic! berlin Frames</p> <ul style="list-style-type: none"> ▪ Length: 85 ▪ Tube Sets | <p>F 65 F 65</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 66–F 69 F 70 F 70 F 71–F 73</p> |
|  | <p>Windsor Rim</p> <ul style="list-style-type: none"> ▪ Outer Profile ▪ W-Profile | <p>F 74 F 74</p> |
|  | <p>Long Temple Ends</p> <ul style="list-style-type: none"> ▪ Length: 135 mm – Thin Type ▪ Length: 135 mm – Symmetrical Shape | <p>F 75 F 75</p> |
|  | <p>Heat Shrink Tubes</p> <ul style="list-style-type: none"> ▪ Heat Shrink Tubes ▪ Heat Shrink Tube Assortment | <p>F 76–F 77 F 77</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 78 F 78 F 79 F 79–F 80</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 ▪ Replacement Set for Rimless Frames with Screw Mounting | <p>F 81–F 82 F 81 F 83</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 | 120 0959 0726 27 | 10 pieces |
|  | Anthracite transparent | f&w | ∅ 1.0 mm | 120 0960 0726 28 | 10 pieces |

Length: 65 mm

Temple End – Classic Shape

| | | | | | |
|---|-------|--|-----------|----------------------------|-----------|
|  | Black | | ∅ 1.45 mm | 120 0912 0712 41 | 10 pieces |
| | | | ∅ 1.6 mm | 120 0913 0712 61 | 10 pieces |






Acetate Temple End – Thin Type

| | | | | | |
|---|-------------|--|-----------|----------------------------|-----------|
|  | Black | | ∅ 1.25 mm | 120 0896 0711 21 | 10 pieces |
| | | | ∅ 1.45 mm | 120 0900 0711 41 | 10 pieces |
| | | | ∅ 1.6 mm | 120 0904 0711 61 | 10 pieces |
| | | | ∅ 1.7 mm | 120 0908 0711 71 | 10 pieces |
| | | | ∅ 1.9 mm | 120 0910 0711 91 | 10 pieces |
|  | Brown | | ∅ 1.25 mm | 120 0897 0711 22 | 10 pieces |
| | | | ∅ 1.45 mm | 120 0901 0711 42 | 10 pieces |
| | | | ∅ 1.6 mm | 120 0905 0711 62 | 10 pieces |
| | | | ∅ 1.7 mm | 120 0909 0711 72 | 10 pieces |
| | | | ∅ 1.9 mm | 120 0911 0711 92 | 10 pieces |
|  | Havana | | ∅ 1.25 mm | 120 0898 0711 23 | 10 pieces |
| | | | ∅ 1.45 mm | 120 0902 0711 43 | 10 pieces |
| | | | ∅ 1.6 mm | 120 0906 0711 63 | 10 pieces |
|  | Transparent | | ∅ 1.25 mm | 120 0899 0711 24 | 10 pieces |
| | | | ∅ 1.45 mm | 120 0903 0711 44 | 10 pieces |
| | | | ∅ 1.6 mm | 120 0907 0711 64 | 10 pieces |




Standard Temple End

Length: 65 mm

Acetate Temple End – Symmetrical Shape

| | | | |
|--|-----------|----------------------------|-----------|
|  Black | ∅ 1.25 mm | 120 0919 0714 21 | 10 pieces |
| | ∅ 1.45 mm | 120 0920 0714 41 | 10 pieces |
| | ∅ 1.6 mm | 120 0925 0714 61 | 10 pieces |
| | ∅ 1.7 mm | 120 0930 0714 71 | 10 pieces |
|  Brown | ∅ 1.45 mm | 120 0921 0714 42 | 10 pieces |
| | ∅ 1.6 mm | 120 0926 0714 62 | 10 pieces |
| | ∅ 1.7 mm | 120 0931 0714 72 | 10 pieces |
|  Havana | ∅ 1.45 mm | 120 0922 0714 43 | 10 pieces |
| | ∅ 1.7 mm | 120 0932 0714 73 | 10 pieces |
|  Transparent | ∅ 1.45 mm | 120 0923 0714 44 | 10 pieces |
| | ∅ 1.6 mm | 120 0928 0714 64 | 10 pieces |
| | ∅ 1.7 mm | 120 0933 0714 74 | 10 pieces |
|  Grey | ∅ 1.45 mm | 120 0924 0714 47 | 10 pieces |
| | ∅ 1.6 mm | 120 0929 0714 67 | 10 pieces |



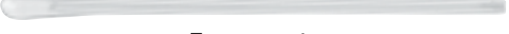
Temple End – Symmetrical Shape

| | | | |
|---|-----------|----------------------------|-----------|
|  Black | ∅ 1.2 mm | 120 0885 0709 21 | 10 pieces |
| | ∅ 1.45 mm | 120 0888 0709 41 | 10 pieces |
| | ∅ 1.6 mm | 120 0891 0709 61 | 10 pieces |
|  Brown | ∅ 1.2 mm | 120 0886 0709 22 | 10 pieces |
| | ∅ 1.45 mm | 120 0889 0709 42 | 10 pieces |
| | ∅ 1.6 mm | 120 0892 0709 62 | 10 pieces |
|  Havana | ∅ 1.2 mm | 120 0887 0709 23 | 10 pieces |
| | ∅ 1.45 mm | 120 0890 0709 43 | 10 pieces |
| | ∅ 1.6 mm | 120 0893 0709 63 | 10 pieces |

Standard Temple End




Length: 67 mm

Acetate Temple End – Small Opening

| | | | | |
|---|-------------|----------|----------------------------|-----------|
|  | Black | ∅ 1.0 mm | 120 0914 0713 01 | 10 pieces |
|  | Brown | ∅ 1.0 mm | 120 0915 0713 02 | 10 pieces |
|  | Transparent | ∅ 1.0 mm | 120 0916 0713 04 | 10 pieces |

Length: 69 mm

Acetate Temple End – Small Opening



| | | | | |
|---|-------------|----------|----------------------------|-----------|
|  | Black | ∅ 1.1 mm | 130 0702 0713 10 | 10 pieces |
|  | Brown | ∅ 1.1 mm | 130 0703 0713 11 | 10 pieces |
|  | Transparent | ∅ 1.1 mm | 130 0704 0713 12 | 10 pieces |

Length: 70 mm




Temple End Hard

| | | | | |
|---|-------------|----------|----------------------------|-----------|
|  | Transparent | ∅ 1.1 mm | 120 0961 0727 27 | 10 pieces |
|---|-------------|----------|----------------------------|-----------|

Temple End – Classic Shape

| | | | | |
|---|-------------|----------|----------------------------|-----------|
|  | Transparent | ∅ 1.5 mm | 120 1159 0794 08 | 10 pieces |
|  | Black | ∅ 1.5 mm | 120 1160 0794 10 | 10 pieces |
|  | Dark brown | ∅ 1.5 mm | 120 1161 0794 16 | 10 pieces |

Temple End – Small Opening




| | | | | |
|---|-------------|----------|----------------------------|-----------|
|  | Black | ∅ 0.9 mm | 120 1082 0754 01 | 10 pieces |
|  | Brown | ∅ 0.9 mm | 120 1083 0754 16 | 10 pieces |
|  | Transparent | ∅ 0.9 mm | 120 1084 0754 27 | 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 | 120 1166 0797 10 | 10 pieces |
|  | Dark brown | ∅ 1.4 mm | 120 1167 0797 16 | 10 pieces |
|  | Transparent | ∅ 1.4 mm | 120 1168 0797 27 | 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 | 120 1085 0756 01 | 10 pieces |
|  | Brown | ∅ 0.9 to 1.5 mm flexible | 120 1086 0756 16 | 10 pieces |
|  | Transparent | ∅ 0.9 to 1.5 mm flexible | 120 1087 0756 27 | 10 pieces |

Length: 67 mm

Silicone Temple End – Small Opening

| | | | | |
|---|-------------|--------------------------|----------------------------|-----------|
|  | Black | ∅ 0.9 to 1.1 mm flexible | 120 0937 0716 01 | 10 pieces |
|  | Transparent | ∅ 0.9 to 1.1 mm flexible | 120 0939 0716 04 | 10 pieces |

Length: 70 mm

Silicone Temple End


| | | | | | |
|---|------------|---|----------|----------------------------|-----------|
|  | Black |  | ∅ 1.0 mm | 120 1164 0795 11 | 10 pieces |
| | |  | ∅ 1.4 mm | 120 1162 0795 01 | 10 pieces |
|  | Dark brown |  | ∅ 1.0 mm | 120 1165 0795 17 | 10 pieces |
| | |  | ∅ 1.4 mm | 120 1163 0795 07 | 10 pieces |



Temple End with Square Opening







Length: 61 mm

Silicone Temple End

| | | | |
|---|--|----------------------------|-----------|
|  |  1.5 x 1.0 mm | 120 0977 0732 01 | 10 pieces |
| Black | | | |
|  |  1.5 x 1.0 mm | 120 0978 0732 02 | 10 pieces |
| Brown | | | |
|  |  1.5 x 1.0 mm | 120 0979 0732 04 | 10 pieces |
| Transparent | | | |

Length: 63 mm

Silicone Temple End – For Straight Temples

| | | | |
|--|--|----------------------------|-----------|
|  |   2.6 x 1.5 mm | 120 0935 0715 01 | 10 pieces |
| Black | | | |
|  |   2.6 x 1.5 mm | 120 0936 0715 02 | 10 pieces |
| Brown | | | |





Temple End – Flat, Square Opening

| | | | |
|---|--|----------------------------|-----------|
|  |  4.0 x 1.3 mm | 120 1157 0789 00 | 10 pieces |
| Black | | | |

Length: 70 mm

Temple End – Flat Opening

For thin metal temples.

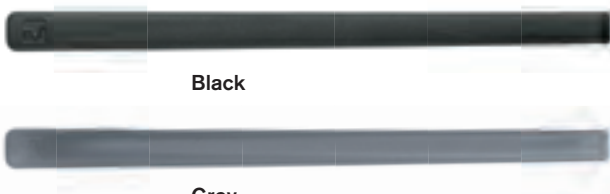
| | | | |
|---|--|----------------------------|-----------|
|  |  2.5 x 1.3 mm | 120 1088 0757 00 | 10 pieces |
| Black | | | |
|  |  2.5 x 1.3 mm | 120 1089 0757 01 | 10 pieces |
| Brown | | | |



Length: 85 mm

ic! berlin Temple Tip

Material: Thermoplastic elastomer



Black

Grey

 2.8 x 1.0 mm

 2.8 x 1.0 mm

120 1134
0782 02

2 pairs

120 1135
0782 03

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

120 1125
0780 01

 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

120 1126
0780 13

 5 pieces



TIPS & TRICKS

EASY MOUNTING OF SPORT TEMPLE ENDS

Nothing Slips!

Sport Temple Ends

used for example: No. 120 0985

Universal Pen

No.120 3040

Double Joint Front Cutter

No. 120 2096

Precision File

No. 120 2395

Frame Heater

No. 120 3171



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. 120 0985–93, 120 0994–99, 120 0940–44, 120 0946–49, 120 0964 and 121 0488–92, 121 0494–500 **with heating procedure**

4 HEATING



5 PUSHING



6 COOLING



Applying the sport temple ends No. 120 0974, -76 **with cold procedure**

4 COLD PUSHING



5 DONE



OPTIONAL: PRESSING



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

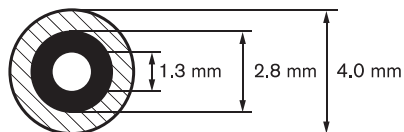
For supplementary application on metal temples and inserts of plastic temples.

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 |
|-------------------------|-------------------|-------------------------|-------------------|
| 121 0488 0749 01 | Black | 120 0974 0731 01 | Black |
| 121 0489 0749 02 | Grey | 120 0976 0731 16 | Dark brown |
| 121 0490 0749 03 | Petrol | | |
| 121 0491 0749 04 | Purple | | |
| 121 0492 0749 05 | Red | | |
| 121 0494 0749 06 | Pink | | |
| 121 0495 0749 07 | Green | | |
| 121 0496 0749 10 | Yellow | | |
| 121 0497 0749 11 | Orange | | |
| 121 0498 0749 12 | Light blue | | |
| 121 0499 0749 16 | Dark brown | | |
| 121 0500 0749 21 | 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

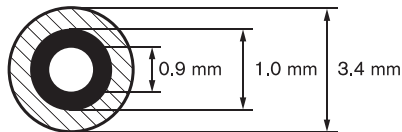
Ø inner: 0.9 mm

Ø outer: 3.4 mm



"Easy Mounting of Sport Temple Ends"
(see page F 66)

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 |
| 120 0940 0717 01 | Black | 120 0946 0718 01 | Black |
| 120 0941 0717 03 | Blue | 120 0947 0718 03 | Blue |
| 120 0942 0717 05 | Red | 120 0948 0718 16 | Brown |
| 120 0943 0717 07 | Green | 120 0949 0718 19 | Bordeaux |
| 120 0944 0717 19 | 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

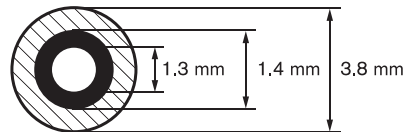
Ø inner: 1.3 mm

Ø outer: 3.8 mm



"Easy Mounting of Sport Temple Ends"
(see page F 66)

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 |
|-------------------------|-------------------|-------------------------|-----------------|
| 120 0985 0735 01 | Black | 120 0994 0736 01 | Black |
| 120 0987 0735 03 | Navy | 120 0996 0736 03 | Navy |
| 120 0988 0735 04 | Lilac | 120 0997 0736 05 | Red |
| 120 0989 0735 05 | Red | 120 0998 0736 16 | Brown |
| 120 0990 0735 07 | Green | 120 0999 0736 19 | Bordeaux |
| 120 0991 0735 12 | Light blue | | |
| 120 0992 0735 16 | Brown | | |
| 120 0993 0735 19 | 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

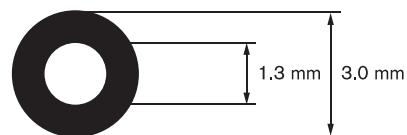
Length: 90 mm

120 0964 Black
0728 01

 1 pair



without silicone coating



 Plastic



"Easy Mounting of Sport Temple Ends"
(see page F 66)



Please note our PlastiDip – the multipurpose rubber coating on page E 23.



Please also note our heat shrink tubes on page F 77.

MEGALOCK Temple End

Silicone, can be used with plastic and metal temples, firm hold.

Ø inner: 5.9 x 2.7 mm

120 7463-64  10 pairs

120 7463 Black
8903 01

120 7464 Transparent
8903 02

120 7465-66  50 pairs

120 7465 Black
8903 51

120 7466 Transparent
8903 52



Non-slip Temple End

Similar as No. 120 7463-66, but in large pack.

Ø inner: 5.9 x 2.7 mm

120 0969-70  20 pieces

120 0969
0729 10 Transparent

120 0970
0729 11 Black

120 0965-66  100 pieces

120 0965
0729 00 Transparent

120 0966
0729 01 Black



Ø inner: 2.8 x 1.8 mm

120 0971-72  20 pieces

120 0971*
0729 12* Transparent

120 0972*
0729 13* Black

120 0967-68  100 pieces

120 0967*
0729 02* Transparent

120 0968*
0729 03* 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

120 0954-55  20 pieces

120 0954
0722 10 Transparent

120 0955
0722 11 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

120 0956-57  20 pieces

120 0956
0723 10 Transparent

120 0957
0723 11 Black





Non-slip Temple Ends for Small Children

Material: Thermoplastic elastomer

Ø-Inner: 5.5 x 3.0 mm

120 0950-52  20 pieces

120 0950
0720 01 Black

120 0951
0720 02 Blue

120 0952
0720 03 Pink

120 0953 **Assortment**
0720 50

 60 pieces (20 pieces per colour)



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: 5.9 x 2.7 mm

120 6744-74  5 pairs

| Order No. | Colour | Order No. | Colour |
|-----------------------------|------------------|-----------------------------|------------------|
| 120 6744 85000 00 | Black | 120 6760 85000 17 | Light grey blue |
| 120 6745 85000 01 | Dark blue | 120 6761 85000 18 | Light grey |
| 120 6746 85000 02 | Blue | 120 6762 85000 19 | Light brown |
| 120 6747 85000 03 | Middle blue | 120 6763 85000 20 | Light green |
| 120 6748 85000 04 | Light blue | 120 6764 85000 21 | Light grey green |
| 120 6749 85000 05 | Light turquoise | 120 6765 85000 22 | Light sage |
| 120 6750 85000 06 | Dark green | 120 6766 85000 23 | Light blackberry |
| 120 6751 85000 07 | Apple green | 120 6767 85000 24 | Mauve |
| 120 6752 85000 08 | Blackberry | 120 6768 85000 25 | Peach |
| 120 6753 85000 09 | Red | 120 6769 85000 26 | Orange |
| 120 6754 85000 10 | Lilac | 120 6770 85000 27 | White |
| 120 6755 85000 11 | Pink | 120 6771 85000 28 | Glacial grey |
| 120 6756 85000 12 | Dark aquamarine | 120 6772 85000 29 | Light taupe |
| 120 6757 85000 14 | Olive green | 120 6773 85000 30 | Nude |
| 120 6758 85000 15 | Yellow green | 120 6774 85000 31 | Blush |
| 120 6759 85000 16 | Denim light blue | | |



Windsor Rim

The Windsor Rim is placed on the outer side of the rim and can be glued if required.

Material: Acetate

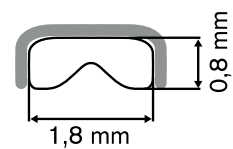
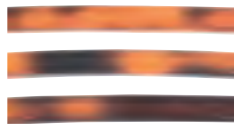
Ø inner: 1.8 x 0.8 mm

120 1119-21  2 pieces

120 1119
0776 00 Chestnut

120 1120
0776 01 Havana

120 1121
0776 02 Havana dark brown



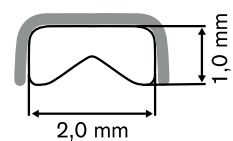
Ø inner: 2.0 x 1.0 mm

120 1122-24  2 pieces

120 1122
0777 00 Chestnut

120 1123
0777 01 Havana

120 1124
0777 02 Havana dark brown



Windsor Rim W-Profile

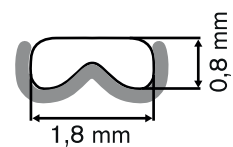
The Windsor Rim is placed into the groove of the rim and can be glued if required.

Material: Acetate

Ø outer: 1.8 x 0.8 mm

Colour: Havana

120 1079  2 pieces
0751 01



Our matching Windsor rim plier 120 2098 on page B 29 simplifies the adjustment to bridge and end piece.






Long Temple Ends

Length: 135 mm

Acetate Temple End – Thin Type


| | | | | |
|-------|--|----------|----------------------------|-----------|
| Black |  | ∅ 1.0 mm | 120 0877 0707 01 | 10 pieces |
| | | ∅ 1.2 mm | 120 0878 0707 21 | 10 pieces |

Acetate Temple End – Symmetrical Shape

| | | | | |
|--------|--|-----------|----------------------------|-----------|
| Black |  | ∅ 1.2 mm | 120 0879 0708 21 | 10 pieces |
| | | ∅ 1.45 mm | 120 0882 0708 41 | 10 pieces |
| Brown |  | ∅ 1.2 mm | 120 0880 0708 22 | 10 pieces |
| | | ∅ 1.45 mm | 120 0883 0708 42 | 10 pieces |
| Havana |  | ∅ 1.2 mm | 120 0881 0708 23 | 10 pieces |
| | | ∅ 1.45 mm | 120 0884 0708 43 | 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.

120 1158
0790 01  100 pieces



TIPS & TRICKS

HEAT SHRINK TUBE

Discreet Protection for Temples and Others

Heat Shrink Tube Assortment

No. 120 1154

Small Scissors

No. 120 2136

OPTOSONIC Cleaning Device

No. 120 3810

Frame Heater OPTIMONSUN

No. 120 3144



approx. 3 minutes

This is how it works

1 CLEANING



2 BENDING



3 REMOVING



4 SELECTING



5 SHORTEN



6 SHRINKAGE



Heat Shrink Tube

For a more comfortable fit, hypo-allergenic, high transparency.
Material: PE

120 1150-53  3 x 1 m

| Order No. | Ø inner | Ø after shrinking |
|-------------------------|---------------|------------------------|
| 120 1150 0786 03 | 1.5 mm | approx. 0.75 mm |
| 120 1151 0786 05 | 3.0 mm | approx. 1.50 mm |
| 120 1152 0786 08 | 5.0 mm | approx. 2.50 mm |
| 120 1153 0786 10 | 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

120 1154
0786 50

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

| | | | |
|----------------------------|-------------|----------------------------|-------|
| 120 1138 0784 51 | Transparent | 120 1142 0784 55 | Black |
| 120 1139 0784 52 | Red | 120 1143 0784 56 | Grey |
| 120 1140 0784 53 | Blue | 120 1145 0784 59 | Brown |



Heat Shrink Tube Assortment

Contents: Each 1x No. 120 1139 and 120 1140 plus each 2x
No. 120 1138; 120 1142; 120 1143 and 120 1145

121 1697  10 pieces of 1 m
0784 34

Heat Shrink Tube

Shrinking temperature: 160 to 170 °C

Ø inner: 1.6 mm Ø after shrinking: 0.8 mm

120 1147-48  3 x 1 m

| | | | |
|----------------------------|-------------|----------------------------|-------|
| 120 1147 0785 51 | Transparent | 120 1148 0785 55 | Black |
|----------------------------|-------------|----------------------------|-------|

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

130 1167  10 pairs
0734 01



Heat Shrink Tube – High transparency

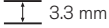




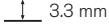





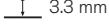


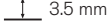


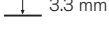

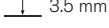
For all metal and plastic temples, hypo-allergenic.
Flat width: 8.0 mm

Ø inner: 5.1 mm Ø after shrinking: approx. 2.8 mm

120 1155  3 x 1 m
0787 08



Temples with Flex Hinges – Nickel Free – Length 140 mm

| | | | | |
|--|--|--|----------------------------|--------|
|  |  3.3 mm |  0.8 mm | 120 1529 1039 00 | 1 pair |
| |  3.3 mm |  1.0 mm | 120 1533 1040 00 | 1 pair |
| |  3.5 mm |  1.2 mm | 120 1537 1041 00 | 1 pair |
| |  3.5 mm |  1.4 mm | 120 1541 1042 00 | 1 pair |
|  |  3.3 mm |  0.8 mm | 120 1530 1039 01 | 1 pair |
| |  3.3 mm |  1.0 mm | 120 1534 1040 01 | 1 pair |
| |  3.5 mm |  1.2 mm | 120 1538 1041 01 | 1 pair |
| |  3.5 mm |  1.4 mm | 120 1542 1042 01 | 1 pair |
|  |  3.3 mm |  0.8 mm | 120 1531 1039 02 | 1 pair |
| |  3.3 mm |  1.0 mm | 120 1535 1040 02 | 1 pair |
| |  3.5 mm |  1.2 mm | 120 1539 1041 02 | 1 pair |
| |  3.5 mm |  1.4 mm | 120 1543 1042 02 | 1 pair |
|  |  3.3 mm |  0.8 mm | 120 1532 1039 03 | 1 pair |
| |  3.3 mm |  1.0 mm | 120 1536 1040 03 | 1 pair |
| |  3.5 mm |  1.2 mm | 120 1540 1041 03 | 1 pair |
| |  3.5 mm |  1.4 mm | 120 1544 1042 03 | 1 pair |

Temples with RAL Joint (American Joint) – Length 145 mm

| | | | | |
|--|--|---|----------------------------|--------|
|  |  1.3 mm |  0.95 mm | 120 1576 1054 11 | 1 pair |
|  | | | 120 1577 1054 12 | 1 pair |
|  | | | 120 1578 1054 13 | 1 pair |

Standard Temples – Nickel Free – Length 140 mm

| | | | | | |
|---------------|--|--------|--------|----------------------------|--------|
| Gold | | 2.5 mm | 0.8 mm | 120 1525 1038 00 | 1 pair |
| | | 2.5 mm | 1.0 mm | 120 1545 1043 00 | 1 pair |
| | | 3.2 mm | 1.2 mm | 120 1549 1045 00 | 1 pair |
| | | 3.6 mm | 1.4 mm | 120 1553 1046 00 | 1 pair |
| Silver | | 2.5 mm | 0.8 mm | 120 1526 1038 01 | 1 pair |
| | | 2.5 mm | 1.0 mm | 120 1546 1043 01 | 1 pair |
| | | 3.2 mm | 1.2 mm | 120 1550 1045 01 | 1 pair |
| | | 3.6 mm | 1.4 mm | 120 1554 1046 01 | 1 pair |
| Black | | 2.5 mm | 0.8 mm | 120 1527 1038 02 | 1 pair |
| | | 2.5 mm | 1.0 mm | 120 1547 1043 02 | 1 pair |
| | | 3.2 mm | 1.2 mm | 120 1551 1045 02 | 1 pair |
| | | 3.6 mm | 1.4 mm | 120 1555 1046 02 | 1 pair |

Acetate Temples – Length 140 mm


| | | | | | |
|--------------|--|--------|--------|----------------------------|--------|
| Black | | 3.0 mm | 1.0 mm | 120 1557 1047 00 | 1 pair |
| | | | | 120 1558 1047 02 | 1 pair |
| Black | | 3.5 mm | 1.0 mm | 120 1560 1048 00 | 1 pair |
| | | | | 120 1561 1048 02 | 1 pair |
| Black | | 5.0 mm | 1.2 mm | 120 1562 1049 00 | 1 pair |
| | | | | 120 1563 1049 02 | 1 pair |



Acetate Temples – Length 140 mm



Black

 6.3 mm

 1.2 mm

120 1564
1050 00

1 pair

Transparent

120 1565
1050 01

1 pair

Dark havana

120 1566
1050 02

1 pair


Light havana

120 1567
1050 03

1 pair



Black

 9.0 mm

 1.2 mm

120 1568
1051 00

1 pair

Dark havana


120 1570
1051 02

1 pair



Black

 10.0 mm

 1.4 mm

120 1572
1052 00

1 pair

Dark havana

120 1574
1052 02

1 pair

Light havana

120 1575
1052 03

1 pair

Bridge for Rimless Frames with Sleeves Mounting

- Material: Stainless steel
- For sleeves with an inner diameter of 0.8 mm

120 1579-84   approx. 17 mm



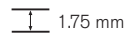


120 1579 1055 00 **Gold** **120 1580** 1055 01 **Silver** **120 1581** 1055 02 **Black** **120 1582** 1055 03 **Gun** **120 1583** 1055 04 **Blue** **120 1584** 1055 05 **Brown**

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

120 1585 1056 00 **1 pair**
120 1586 1056 01 **1 pair**
120 1587 1056 02 **1 pair**
120 1588 1056 03 **1 pair**
120 1589 1056 04 **1 pair**
120 1590 1056 05 **1 pair**

Replacement Set Temple and Front Hinge for Rimless Frames with Sleeves Mounting

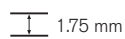


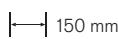
- Material: Stainless steel
- For sleeves with an inner diameter of 0.8 mm
- Including: 2 temple tips (No. 120 0961), 2 nose pads (No. 120 0450) and 6 sleeves (No. 120 1095)

109 6604-07
120 1602-03

109 6604 1058 00 **Gold**
109 6605 1058 01 **Silver**
109 6606 1058 02 **Black**
109 6607 1058 03 **Gun**
120 1602 1058 04 **Blue**
120 1603 1058 05 **Brown**



Temple with hinge

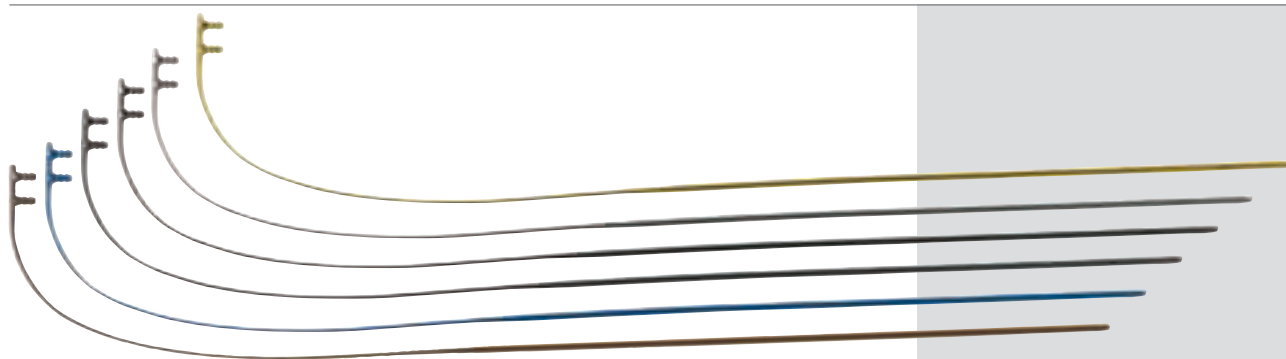
 1.75 mm  0.7 mm  1.1 mm  150 mm

Bridge

 29 mm  approx. 17 mm



Hingeless Temple for Rimless Frames with Sleeves Mounting – Length 150 mm



- Gold
- Silver
- Black
- Gun
- Blue
- Brown

Material: Stainless steel

1.6 mm Ø 1.0 mm

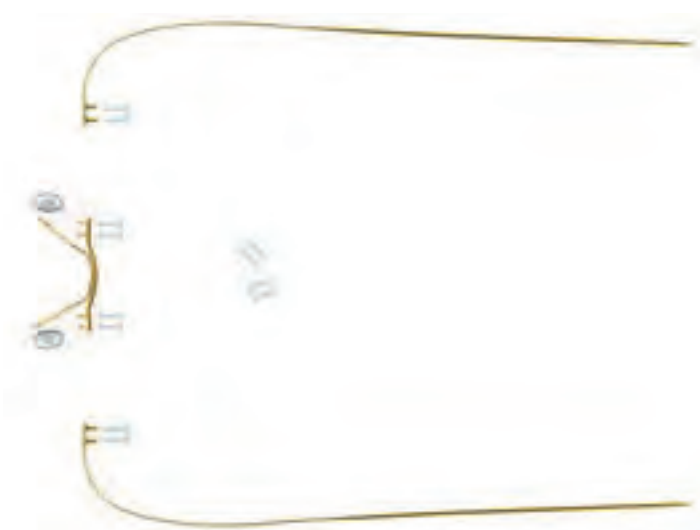
| | |
|----------------------------|--------|
| 120 1591 1057 00 | 1 pair |
| 120 1592 1057 01 | 1 pair |
| 120 1593 1057 02 | 1 pair |
| 120 1594 1057 03 | 1 pair |
| 120 1595 1057 04 | 1 pair |
| 120 1596 1057 05 | 1 pair |

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. 120 0914), 2 nose pads (No. 120 0450) and 6 sleeves (No. 120 1095)

120 1604–09

| | |
|----------------------------|--------|
| 120 1604 1059 00 | Gold |
| 120 1605 1059 01 | Silver |
| 120 1606 1059 02 | Black |
| 120 1607 1059 03 | Gun |
| 120 1608 1059 04 | Blue |
| 120 1609 1059 05 | Brown |



Hingeless temple

1.6 mm Ø 1.0 mm 150 mm

Bridge

29 mm  approx. 17 mm

Spare Bridge for Rimless Frames with Screw Mounting

- Material: Stainless steel
- For screw mounting with a diameter of 1.4 mm

120 1650-54  29 mm  approx. 18 mm



Spare Temples for Rimless Frames with Screw Mounting – Length 150 mm



Gold

Material: Stainless steel

120 1656
1066 00

1 pair

Silver

 1.0 mm  1.4 mm

120 1657
1066 01

1 pair

Black

120 1658
1066 02

1 pair

Gun

120 1659
1066 03

1 pair

TENAX Strips

- As interlining to be stuck into the frame groove
- Length: 50 mm, width: 3 mm

120 0981
0733 01

⊥ 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

120 0980
0733 00

⊥ 0.1 mm 📦 16 m



Lens Washer (Liner) – Acetate

- Colour: Transparent

120 1005
0743 10

⊥ 1.2 mm 📦 approx. 3 m




Lens Washer – CYREX

- Handmade frames insert with V-bevel for optimum use
- Colour: Transparent



120 1006 ⊥ 1.4 mm 📦 3.5 m
0743 30

120 1009 ⊥ 1.4 mm 📦 12 x 3.5 m
0743 35

 You will find our glass adhesive (hypo-tube cement) No. 120 3931 on page E 13.

Lens Washer (Liner) – PVC

- Colour: Transparent



120 1077 ⊥ 1.6 mm 📦 6 m
0750 00

120 1078 ⊥ 1.6 mm 📦 10 x 6 m
0750 10

120 1080 ⊥ 1.2 mm 📦 6 m
0752 00

120 1081 ⊥ 1.2 mm 📦 10 x 6 m
0752 10

Lens Ring

High tensile strength (> 300 %) and resistant to brittleness.

- Material: Silicone
- Colour: Transparent

120 1739 ∅ 26 mm ⊥ 0.85 mm 📦 10 pieces
1371 00

120 1740 ∅ 27 mm ⊥ 0.5 mm 📦 10 pieces
1371 10

f&w



Fitting Strip

120 1727
1368 00

5.0 mm

10 m



Nylon Thread

Ø 0.5 mm

20 cm

120 1736
1370 00

Opaque

100 pieces



Nylon Thread – Transparent

120 1738
1370 02

Ø 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

120 1735
1369 55

Nylon Thread

• Colour: Transparent

120 1732–34

120 1732 Ø 0.40 mm 20 m
1369 20
120 1733 Ø 0.50 mm 20 m
1369 21
120 1734 Ø 0.60 mm 20 m
1369 23



Nylon Liner 8-Profile

- For metal frames
- Colour: Transparent

120 1728–29

120 1728 0.51 mm 10 m
1369 00

120 1729 0.55 mm 10 m
1369 01

Nylon Liner T-Profile

- For plastic and metal frames
- Colour: Transparent

120 1730–31

120 1730 1.3 mm 5 m
1369 10

120 1731 2.0 mm 5 m
1369 11

Nylon Liner 8-Profile

- For metal frames

120 1726 0.55 mm 2 m
1367 00



You will find our nylon liner tool No. 109 5079 and our nylon thread hook No. 120 2288 on page C 26 and C 27.



Cement Strips – Acetate

120 1004
0742 00  0,36 mm  100 pieces



Acetate Sheets

▪ Colour: Light water

 130 x 80 mm


120 1010
0744 00  0,5 mm  3 pieces

120 1011
0744 10  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.


120 1012
0744 20  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.

120 1013
0744 21  155 x 3,4 x 16 mm  2 pairs



Acetate Material

To make practice pieces in various styles.

120 1014–17
120 1020–23  150 x 6 x 65 mm  2 pieces

one-layered

120 1014
0744 31 Havana

120 1015
0744 32 Black

120 1016
0744 33 Blue

120 1017
0744 34 Transparent

two-layered

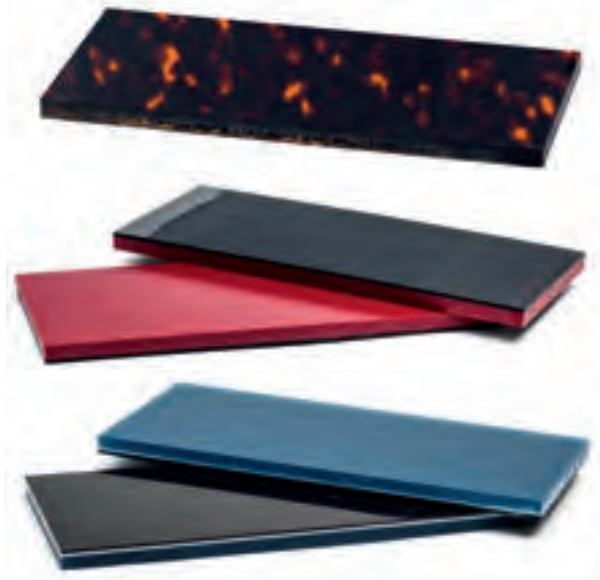
120 1020
0744 50 Black/Red

120 1021
0744 51 Dark blue/Transparent

triple-layered

120 1022
0744 60 Red/White/Smokey grey

120 1023
0744 61 Brown/White/Transparent blue



Eye Lid Lifter

For soldering or screwing.

120 0520
0295 00



Eye Wire

Half round, smooth.

120 1706
1361 02



 1 m



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.

120 1694
1353 00



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.



120 1695
1354 03



Flat Wire

- For solder training
- Material: German silver

130 1378
1362 01



 4 x 1 mm  1 m



Round Wire

- For solder training
- Material: German silver

120 1719
1363 01

 1.5 mm  1 m

