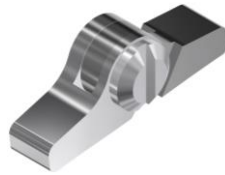
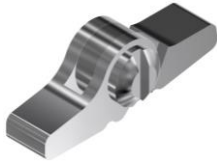


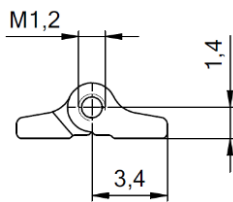
Features

- Regular stainless steel hinge for **stainless steel temples**
- Anti-loosening function with Space Screws, ISS technology or conical head system
- Available widths: 1.5 / 2.1 / 3.0 mm
- Delivery status loose - assembled with screw upon request



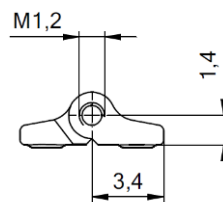
Profile: A

soldering



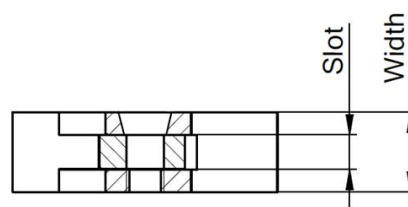
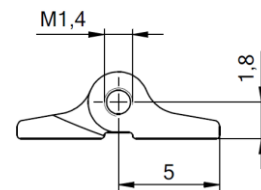
Profile: B

welding

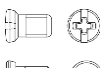
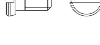


Profile: C

soldering



Matching parts

Art.No.	51-44520	50-44530	51-44015	50-44030	51-44534	50-44534	51-44526	51-44511
Profile	A	B	A	B	A	B	C	C
Width	1.5	1.5	1.5	1.5	2.1	2.1	3.0	3.0
Slot	0.7	0.7	0.7	0.7	0.9	0.9	1.2	1.3
Screw head Ø	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.0
Screws	 99-02001	 99-02001	 99-01915	 99-01915	 99-01592  99-01850	 99-01592  99-01850	 99-05324.600  99-02324.600	 99-01813  99-02501

Features

- Regular titanium hinge for **titanium temples**
- Anti-loosening function with conical head system
- Available widths: 2.3 & 3.0 mm
- Delivery status assembled with screw

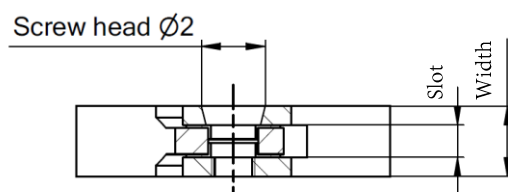
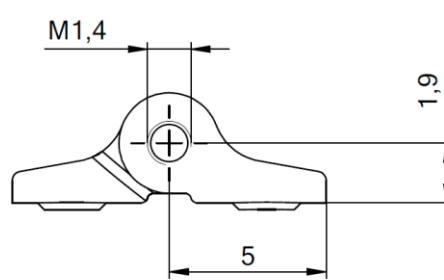
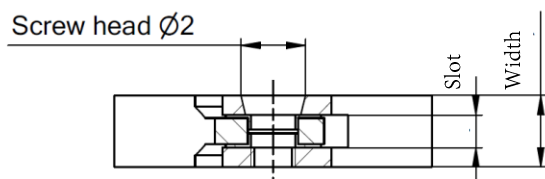
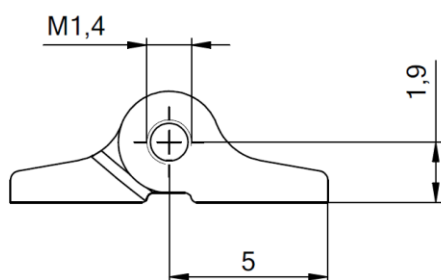


Profile: A

soldering

Profile: B

welding



Matching parts

Art.No.	51-27412.100  51-27412.200 	50-27422.100 	51-27414.100  51-27414.200 	50-27424.100  50-27424.200 
Profile	A	B	A	B
Width	2.3	2.3	3.0	3.0
Slot	1.0	1.0	1.2	1.2
Screw head Ø	2.0	2.0	2.0	2.0

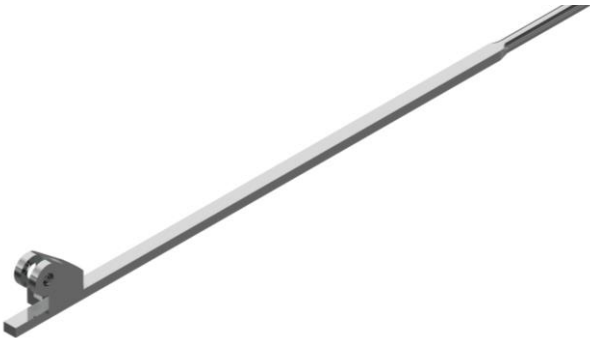


I Smooth movement I Safety I Personalisation I

	width mm	article	page
Hinges on wire	2.5 - 8.0		91-98
Animelle	4.0 - 4.5	70-0205x	99
Inject-it	1.2 1.6	70-0211x 70-0211x	100-101
ISH ² - Injection Safety Hinges	2x 1.2	33-04214	102
ISH - Injection Safety Hinges	1.3 - 1.7		103
Safety Rivet Hinges	2.6 - 8.0		104-109
Safety Plastic Hinges	3.0 - 6.0		110-111

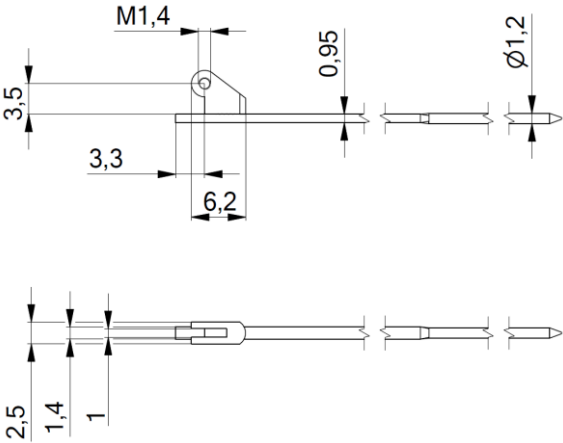
Features

- Super slim regular hinge on wire in stainless steel
- To be inserted in **acetate templates**
- Minimum width with plastic 2.8 mm
- Smooth movement and anti-loosening function with Space Screws

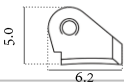


70-48716

insertion



Available separately



52-09080

Matching parts

Front hinges for soldering	Front hinges for welding	Front hinges for plastic frames 90°	Front hinges for plastic frames 180°	Rivet hinges / Rivets	Screws
51-04405	50-04448	33-04553 0°/6° inclination	33-01870	51-05009 51-05007 11-20247 - 8.0 mm 11-20251 - 5.4 mm 11-20245 - 4.2 mm 11-20246 - 3.0 mm 0°/6° inclination	99-05310.600 99-02310.600

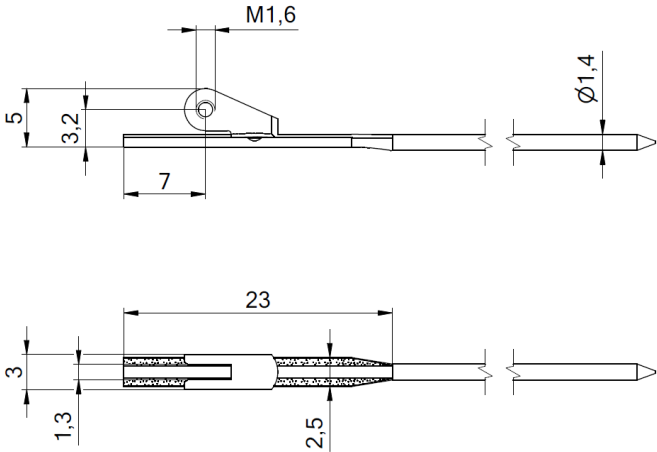
Features

- Slim regular hinge on wire in nickel silver – nickel plated
- To be inserted in **acetate temples**
- Minimum width with plastic 5.0 mm
- Smooth movement with Safety Screws or ISH technology
- 75% of recycled nickel silver material is used in the production of new wires

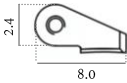


70-07621

insertion

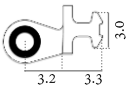
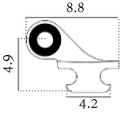
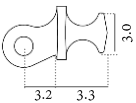
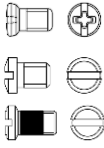


Available separately



42-03984

Matching parts

Safety hinges for plastic frames 90°	Safety hinges for plastic frames 180°	Front hinges for plastic frames 90°	Step hinges for soldering	Screws
 ISH	 ISH	 	 	 Safety
33-04215 33-04211 round foot	33-04538	33-04221	52-04255	99-01723 for safety hinges 99-01458 for safety hinges 99-01523 for standard hinges

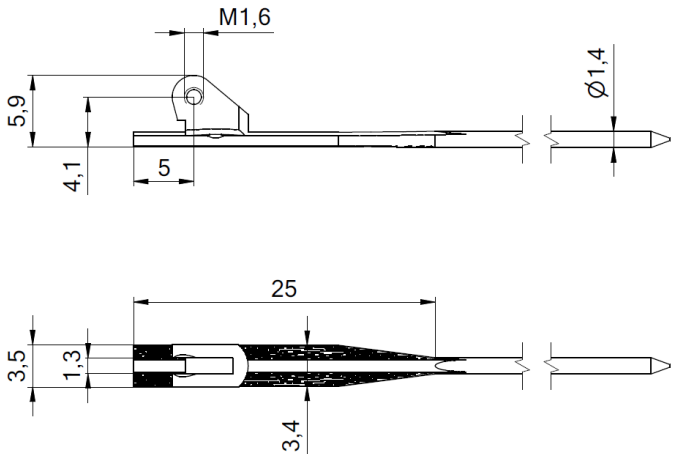
Features

- Midsize regular hinge on wire in nickel silver – nickel plated
- To be inserted in **acetate temples**
- Minimum width with plastic 5.5 mm
- Smooth movement with ISH technology
- 75% of recycled nickel silver material is used in the production of new wires

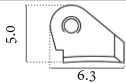


70-07759

insertion

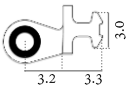
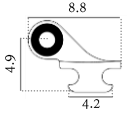
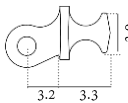
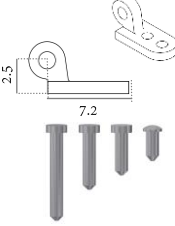


Available separately



42-02459.000

Matching parts

Safety hinges for plastic frames 90°	Safety hinges for plastic frames 180°	Front hinges for plastic frames 90°	Step hinges for soldering	Rivet hinges / Rivets	Screws
 ISH	 ISH				
33-04215 33-04211 round foot	33-04538	33-04221	52-04255	51-05039 11-20247 - 8.0 mm 11-20251 - 5.4 mm 11-20245 - 4.2 mm 11-20246 - 3.0 mm	99-01357

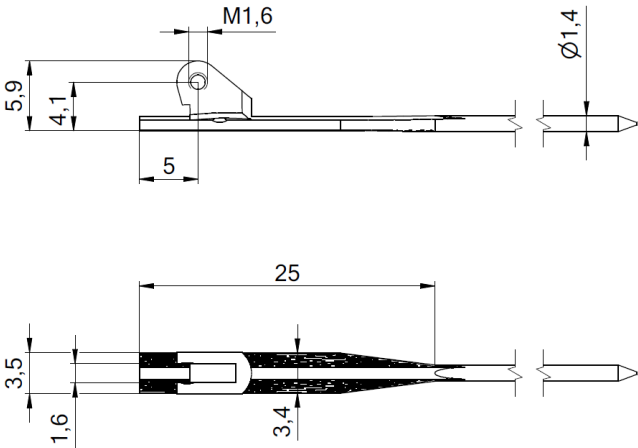
Features

- Midsize regular hinge on wire in nickel silver – nickel plated
- To be inserted in **acetate temples**
- Minimum width with plastic 5.5 mm
- Smooth movement with ISH technology
- 75% of recycled nickel silver material is used in the production of new wires

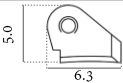


70-07761

insertion

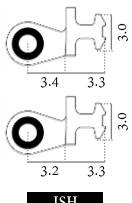
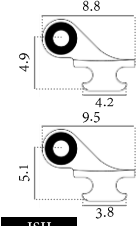
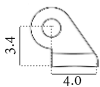
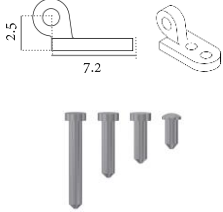
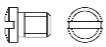


Available separately



42-02459.160

Matching parts

Safety hinges for plastic frames 90°	Safety hinges for plastic frames 180°	Step hinge for soldering	Rivet hinges / Rivets	Screws
				
32-02483 33-04271	33-04537 33-04540	52-04256	51-05038 11-20247 - 8.0 mm 11-20251 - 5.4 mm 11-20245 - 4.2 mm 11-20246 - 3.0 mm	99-01357

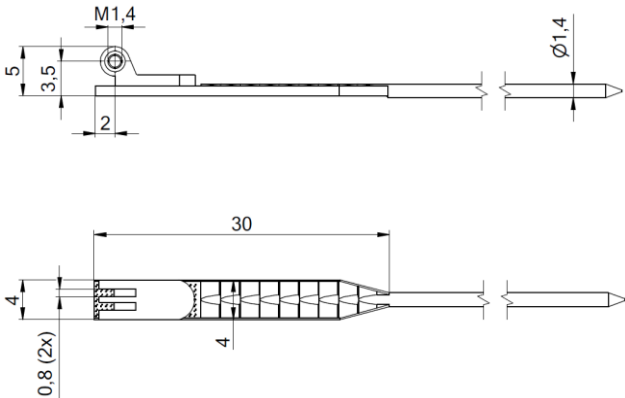
Features

- Wide regular hinge on wire in nickel silver – nickel plated
- To be inserted in **acetate temples**
- Minimum width with plastic 6.0 mm
- Smooth movement with Space Screws

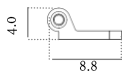


70-07793

insertion



Available separately



42-02029

Matching parts

Front hinges for plastic frames 90°	Rivet hinges / Rivets	Rivet hinges / Rivets	Screws
33-04555	51-05000.903.03 11-20247 - 8.0 mm 11-20251 - 5.4 mm 11-20245 - 4.2 mm 11-20246 - 3.0 mm 11-20260 - doublerivet	51-05024* 11-20247 - 8.0 mm 11-20251 - 5.4 mm 11-20245 - 4.2 mm 11-20246 - 3.0 mm * 0°/6° inclination	99-05379.600 99-02379.600
0°/6° inclination			

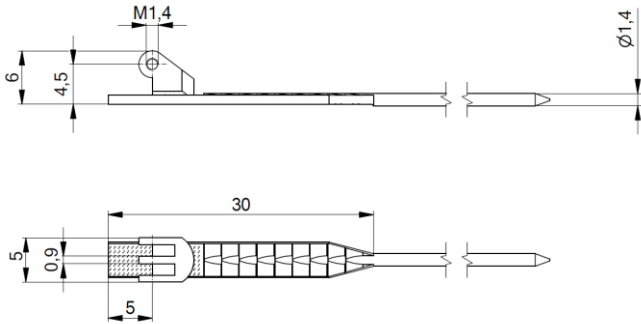
Features

- Wide regular hinge on wire in nickel silver – nickel plated
- To be inserted in **acetate templates**
- Minimum width with plastic 7.0 mm
- Smooth movement with Space Screws

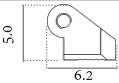


70-07765

insertion

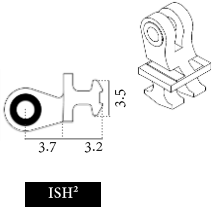
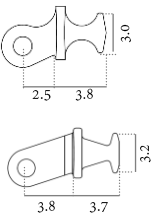
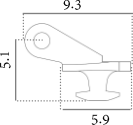
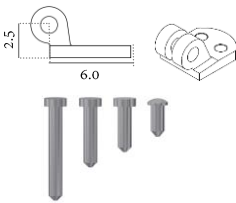
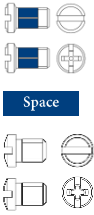


Available separately



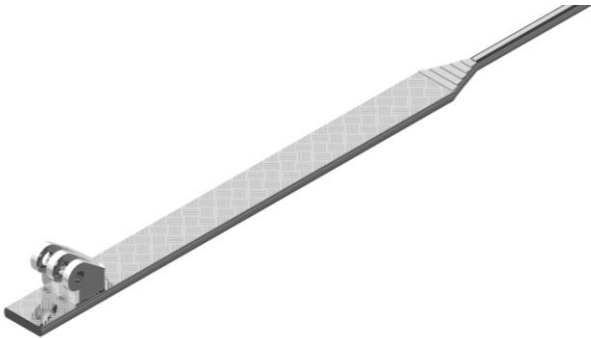
42-02465

Matching parts

Safety hinges for plastic frames 90°	Front hinges for plastic frames 90°	Front hinges for plastic frames 180°	Rivet hinges / Rivets	Screws
				
33-04214	33-04217 33-04232	33-04234	51-05028 11-20247 - 8.0 mm 11-20251 - 5.4 mm 11-20245 - 4.2 mm 11-20246 - 3.0 mm	99-05334.600 99-02334.600 99-47140 (for 33-04214) 99-44175 (for 33-04214)

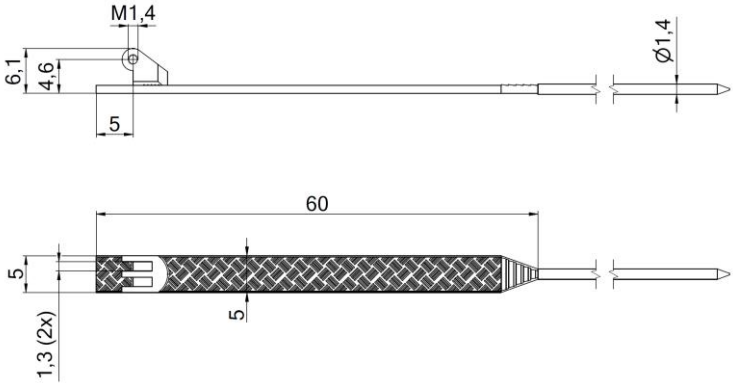
Features

- Wide regular hinge on wire in nickel silver – nickel plated
- To be inserted in **acetate temples**
- Minimum width with plastic 7.0 mm
- Perfect articulation with Space Screws or ISH technology

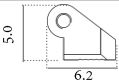


70-07794

insertion



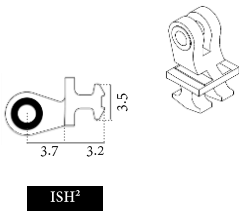
Available separately



42-02465

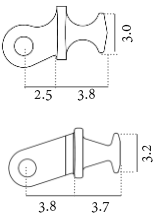
Matching parts

Safety hinges
for plastic frames 90°



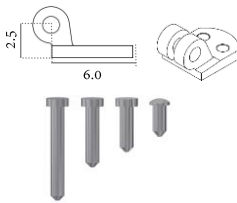
33-04214

Front hinges
for plastic frames 90°



33-04217
33-04232

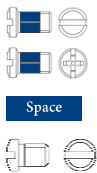
Rivet hinges /
Rivets



51-05028

11-20247 - 8.0 mm
11-20251 - 5.4 mm
11-20245 - 4.2 mm
11-20246 - 3.0 mm

Screws



99-05334.600
99-02334.600
99-47140 (for 33-04214)

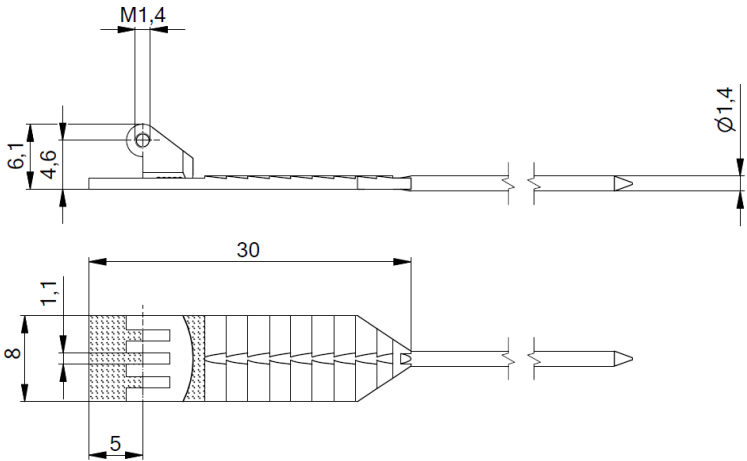
Features

- Extra wide regular hinge on wire in nickel silver – nickel plated
- To be inserted in **acetate templates**
- Minimum width with plastic 10.0 mm
- Smooth movement with Space Screws

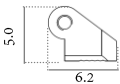


70-01037

insertion



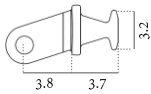
Available separately



42-01036

Matching parts

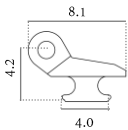
Front hinges
for plastic frames 90°



33-04233

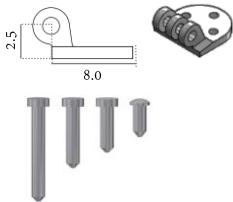
0°/6° inclination

Front hinges
for plastic frames 180°



33-05147

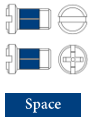
Rivet hinges /
Rivets



51-05083

11-20247 - 8.0 mm
11-20251 - 5.4 mm
11-20245 - 4.2 mm
11-20246 - 3.0 mm
0°/6° inclination

Screws



Space

99-05380.600
99-02380.600

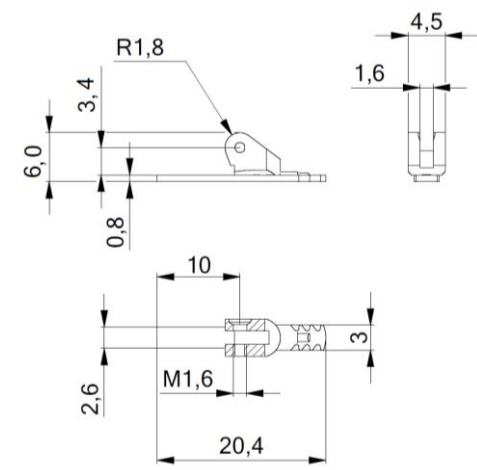
Features

- Regular hinge on short hinge on wire – nickel plated
- Best application in **injected frames**
- Smooth movement with ISH technology



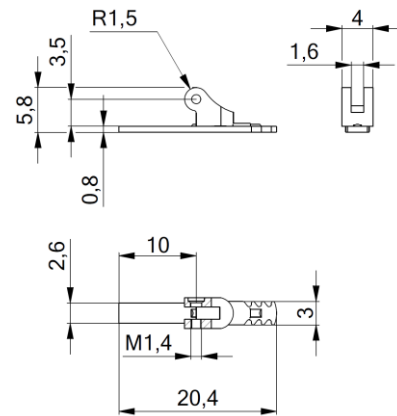
70-02050

injection



70-02057

injection



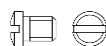
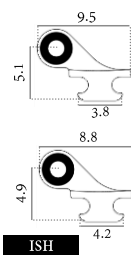
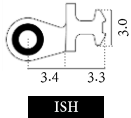
Matching parts

70-02050

Safety hinges
for plastic frames 90°

Safety hinges
for plastic frames 180°

Screws



32-02483

33-04540
33-04537

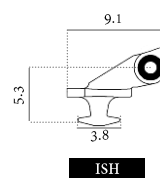
99-01455

Matching parts

70-02057

Safety hinges
for plastic frames 180°

Screws



33-04541
with stop

99-01377

Features

- One piece short hinge on wire in nickel silver – nickel plated
- Best application in **injected frames**
- Smooth movement with ISH or Space Screws



70-02110	injection	70-02111 – with injected plastic	injection
Screw 99-05324.600 99-02324.600 Space		Screw 99-01375	

Matching parts			
Front hinges for plastic frames 90°	Front hinges for plastic frames 180°	Rivet hinges / Rivets	Step hinges
33-02111 33-02112	33-02110	51-02113 11-20247 - 8.0 mm 11-20251 - 5.4 mm 11-20245 - 4.2 mm 11-20246 - 3.0 mm	52-02111

Features

- One piece short hinge on wire in nickel silver – nickel plated
- Best application in **injected frames**
- Smooth movement with ISH or Space Screws



70-02116	injection	70-02117 – with injected plastic	injection
Screw 99-05327.600 99-02327.600 		Screw 99-01377 	

Matching parts

Front hinges for plastic frames 90°	Front hinges for plastic frames 180°	Rivet hinges / Rivets	Step hinges
33-02117 33-02118	33-02116	51-02129 11-20247 - 8.0 mm 11-20251 - 5.4 mm 11-20245 - 4.2 mm 11-20246 - 3.0 mm	52-02116

Features

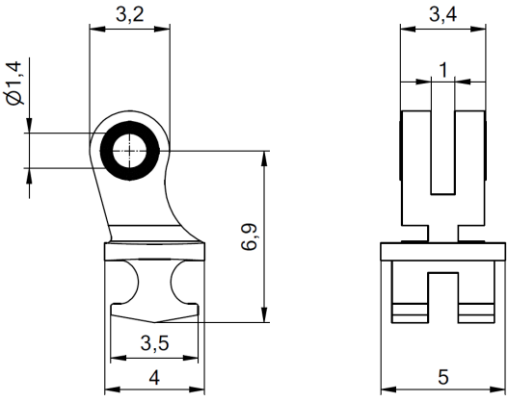
- ISH front hinge with double barrel made from nickel silver
- Maintenance free anti-rocking front hinge
- Consistent & smooth temple movement
- For full acetate frames
- Can be bent (6°)



patent pending

33-04214

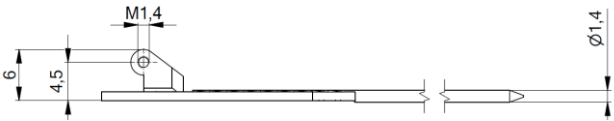
insertion



Matching parts

Hinges on wire

Screws



70-07765

99-47140

Features

- Nickel silver front hinges with ISH technology for smooth movement – nickel plated
- Best application in **full acetate frames**
- Optionally in 90° or 180°

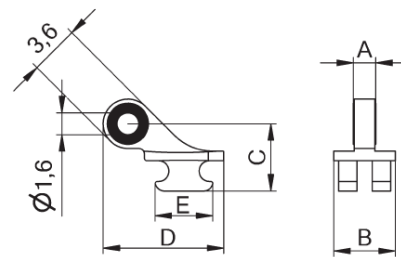
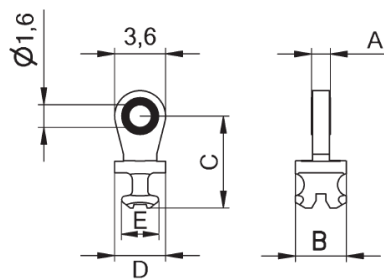


90°

insertion

180°

insertion



Front hinges 90° - 0°/6° inclination

Art. No.	A	B	C	D	E
33-04215	1.3	2.8	6.5	4.0	3.0
33-04211	1.3	4.5	6.5	4.0	3.0
33-04271	1.6	4.5	6.5	4.0	3.0
32-02483	1.6	7.0	6.7	4.0	3.0

Front hinges 180° - 0°/6° inclination

Art. No.	A	B	C	D	E
33-04538	1.3	3.5	4.9	8.8	4.2
33-04541 with stop	1.6	4.0	5.3	9.1	3.8
33-04537	1.6	4.5	4.9	8.8	4.2
33-04540	1.7	4.0	5.1	9.5	3.8

Catalogue 2023 I 2024 - Subject to change without prior notice – all measurements in mm

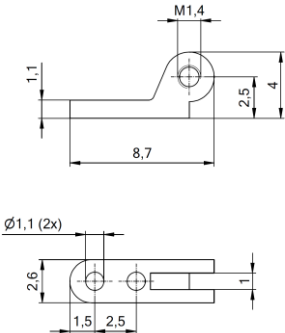
Features

- Nickel silver riveting hinges – nickel plated
- Main application in **plastic temples**
- Smooth movement with Space Screws



51-05009.903.01/02

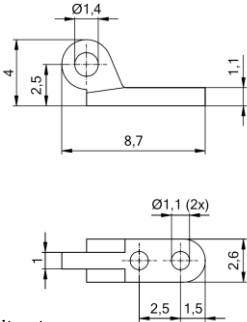
riveting



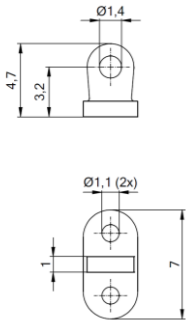
51-05009.903.03

51-05007

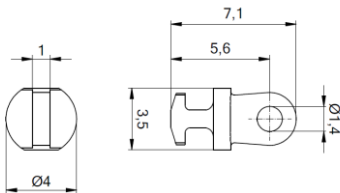
33-04553



0°/6° inclination



0°/6° inclination

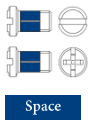


0°/6° inclination

Matching parts

Screws

Rivets



99-05310.600
99-02310.600

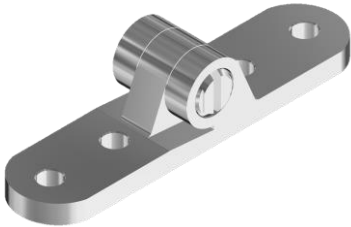
11-20247 - 8.0 mm
11-20251 - 5.4 mm
11-20245 - 4.2 mm
11-20246 - 3.0 mm

11-20260 - double rivet

Catalogue 2023 I 2024 - Subject to change without prior notice – all measurements in mm

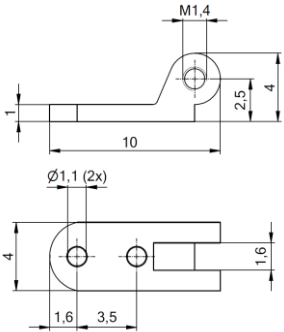
Features

- Nickel silver riveting hinges – nickel plated
- Main application in **plastic temples**
- Smooth movement with Space Screws



51-05010.903.01/02

riveting

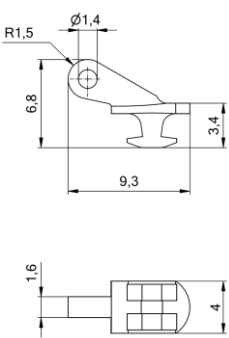
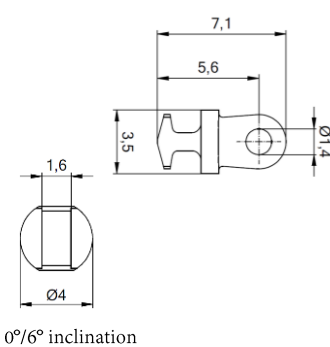
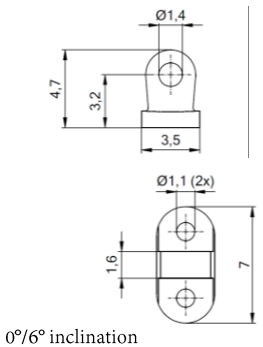
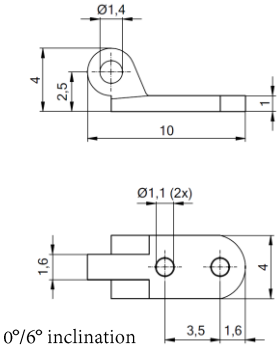


51-05010.903.03

51-05008

33-04552

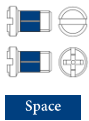
33-04560



Matching parts

Screws

Rivets



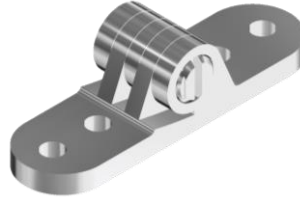
99-05327.600
99-02327.600

11-20247 - 8.0 mm
11-20251 - 5.4 mm
11-20245 - 4.2 mm
11-20246 - 3.0 mm

11-20260 - double rivet

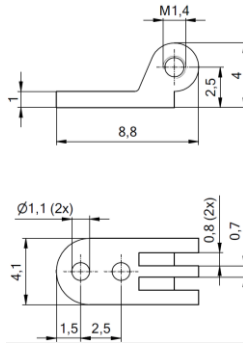
Features

- Nickel silver riveting hinges – nickel plated
- Main application in **plastic temples**
- Smooth movement with Space Screws



51-05000.903.01/02

riveting

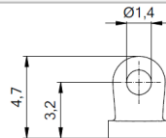
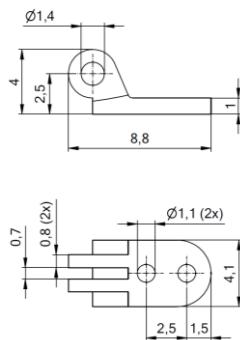


0°/6° inclination

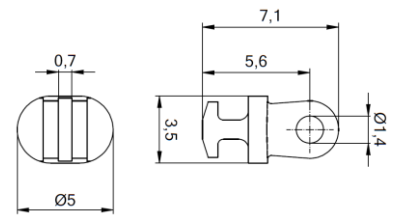
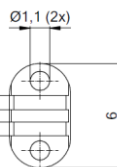
51-05000.903.03 - 0° inclination
51-05068.963.03/04 - 6° inclination

51-05024

33-04555



0°/6° inclination

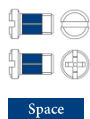


0°/6° inclination

Matching parts

Screws

Rivets



Space



99-05379.600

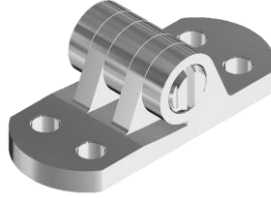
99-02379.600

11-20247 - 8.0 mm
11-20251 - 5.4 mm
11-20245 - 4.2 mm
11-20246 - 3.0 mm

11-20260 - double rivet

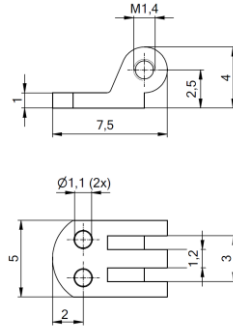
Features

- Nickel silver riveting hinges – nickel plated
- Main application in **plastic temples**
- Smooth movement with Space Screws



51-05011.903.01/02

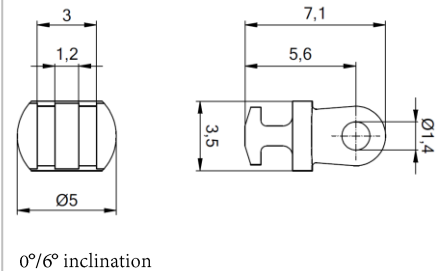
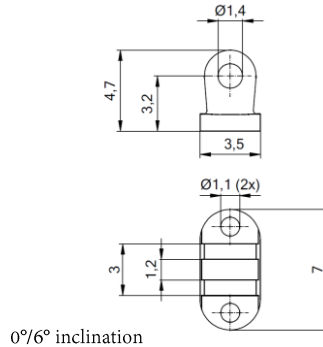
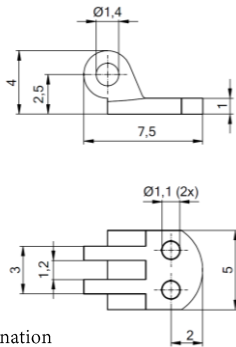
riveting



51-05011.903.03

51-05019

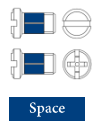
33-04554



Matching parts

Screws

Rivets



99-05334.600

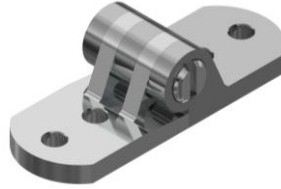
99-02334.600

11-20247 - 8.0 mm
11-20251 - 5.4 mm
11-20245 - 4.2 mm
11-20246 - 3.0 mm

11-20260 - double rivet

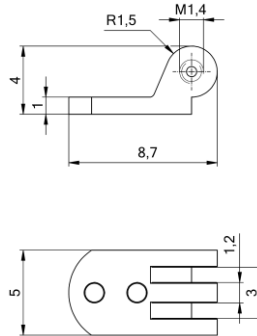
Features

- Nickel silver riveting hinges – nickel plated
- Main application in **plastic temples**
- Smooth movement with Space Screws



51-09030.903.01/02

riveting

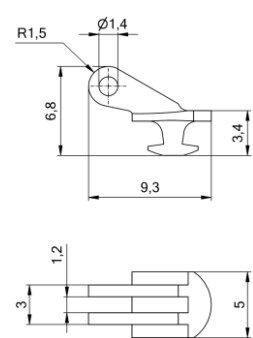
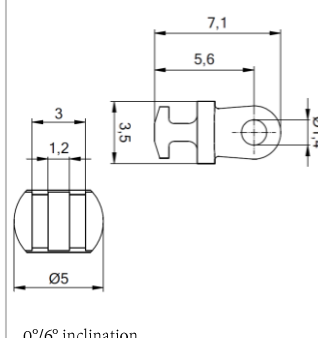
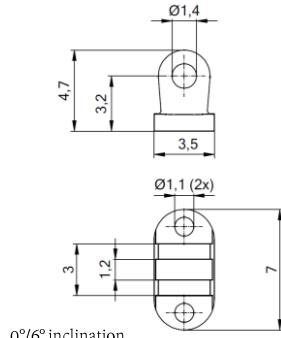
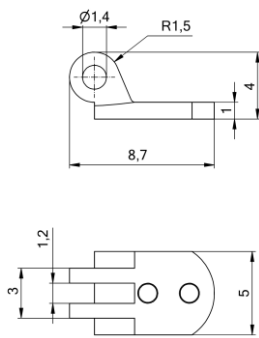


51-09030.903.03

51-05019

33-04554

33-04561



Matching parts

Screws

Rivets



99-05334.600

99-02334.600



11-20247 - 8.0 mm
11-20251 - 5.4 mm
11-20245 - 4.2 mm
11-20246 - 3.0 mm

11-20260 - double rivet

Catalogue 2023 I 2024 - Subject to change without prior notice – all measurements in mm

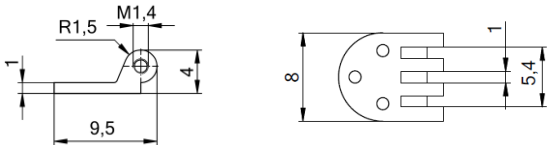
Features

- Nickel silver riveting hinges – nickel plated
- Main application in **plastic temples**
- Smooth movement with Space Screws



51-05082

riveting

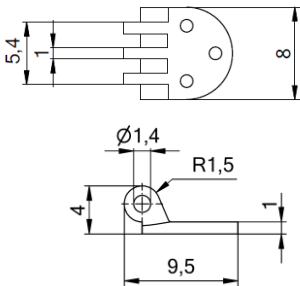


0°/6° inclination

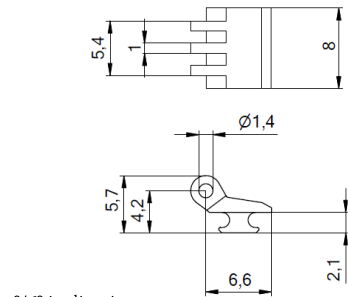
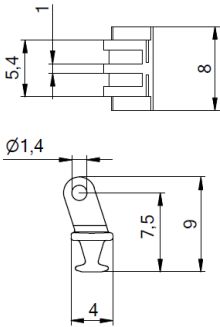
51-05083

33-04233

33-05147



0°/6° inclination

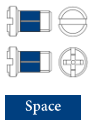


0°/6° inclination

Matching parts

Screws

Rivets

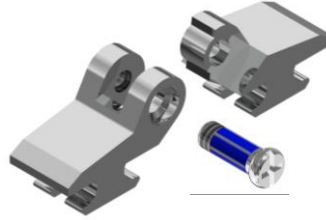


99-05380.600
99-02380.600

11-20247 - 8.0 mm
11-20251 - 5.4 mm
11-20245 - 4.2 mm
11-20246 - 3.0 mm

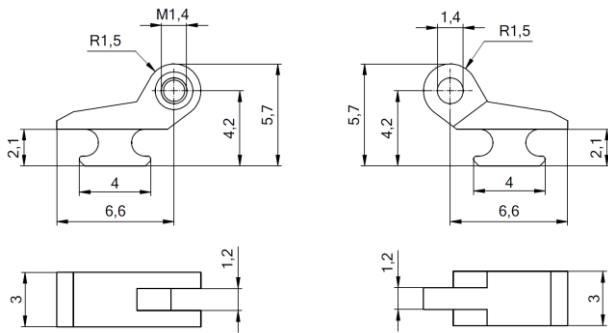
Features

- Nickel silver hinges – nickel plated
- Main application in **acetate frames**
- Smooth movement with Space Screws



33-04305 / 33-04304

insertion



Matching parts

Screws

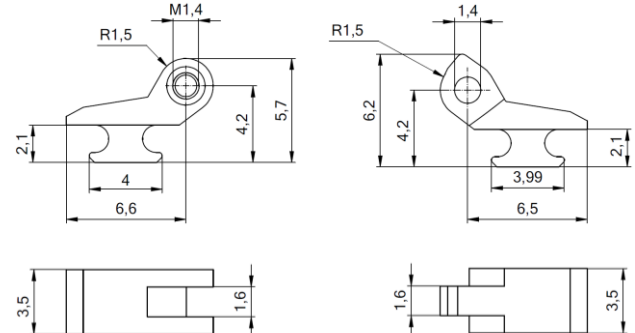


99-05324.600

99-02324.600

33-04307 / 33-04306 with stop function at 80°

insertion



Matching parts

Screws

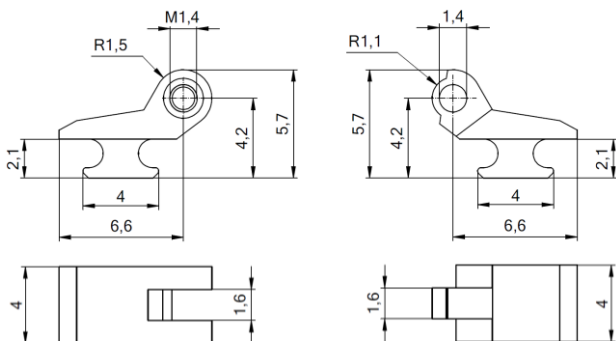


99-05325.600

99-02325.600

33-04309 / 33-04308 with stop function at 90°

insertion



Matching parts

Screws

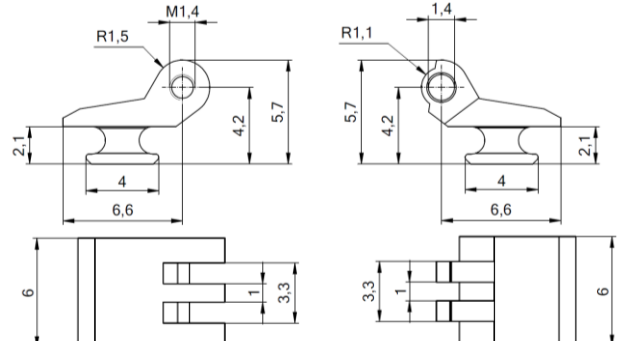


99-05327.600

99-02327.600

33-05142 / 33-05143 with stop function at 90°

insertion



Matching parts

Screws

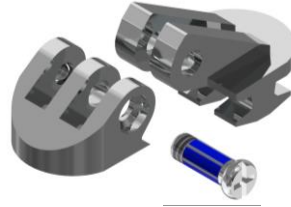


99-05332.600

99-02332.600

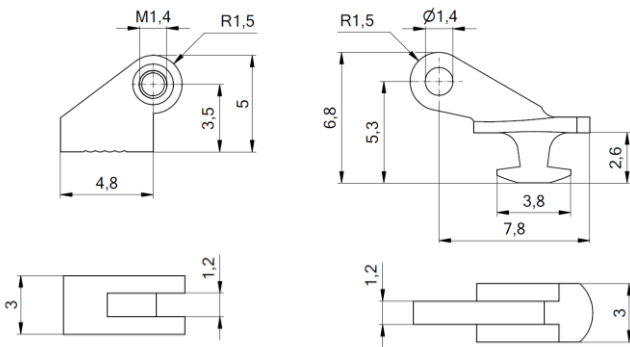
Features

- Nickel silver hinges – front part nickel plated
- Main application in **combination frames**
- Smooth movement with Space Screws



42-04300 / 33-04300

soldering/insertion/injection



Matching parts

Screws

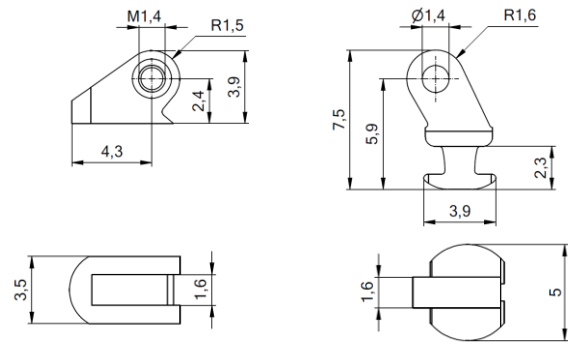


99-05324.600

99-02324.600

42-04301 / 33-04301

soldering/insertion/injection



Matching parts

Screws

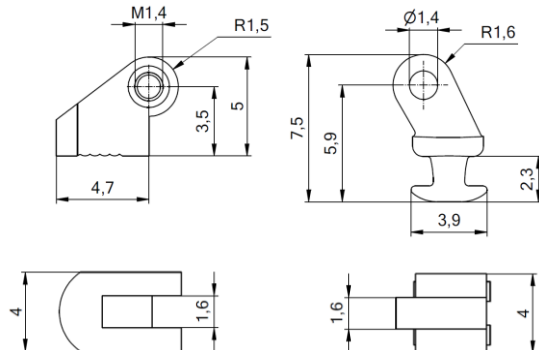


99-05325.600

99-02325.600

42-04302 / 33-04302

soldering/insertion/injection



Matching parts

Screws

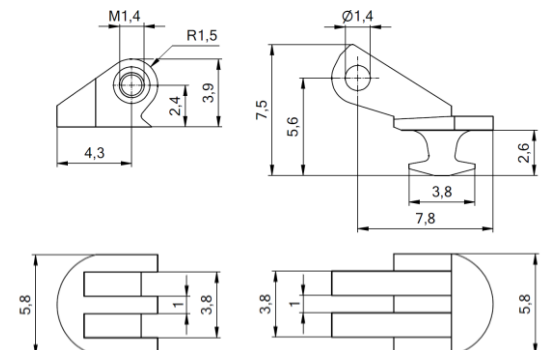


99-05327.600

99-02327.600

42-04303 / 33-04303
with stop function at 80°

soldering/insertion/injection



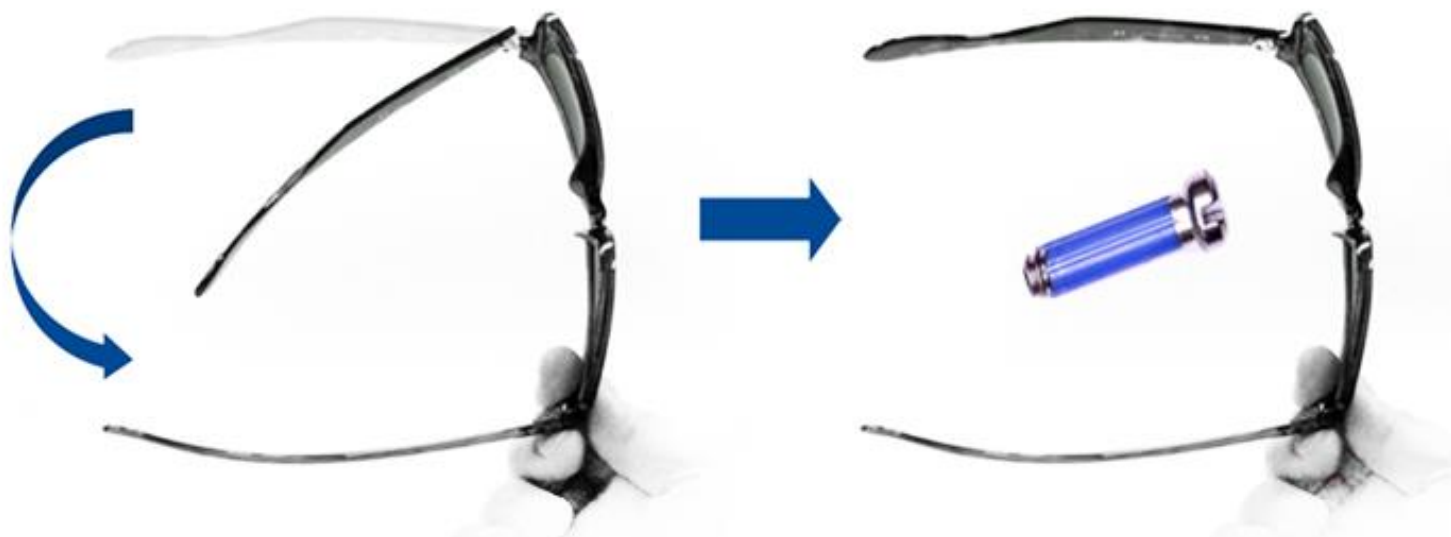
Matching parts

Screws



99-05332.600

99-02332.600

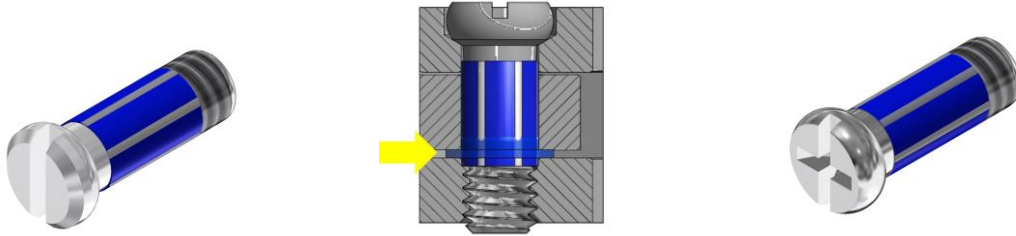


I Movement control I Loss control I Break control I

	width mm	article	page
Space Screws for hinges	M1.4		113
Safety Screws for rim locks	M1.2, M1.4		114
6 point star screws	M1.4		115
Direct joining screws	DJ1.2, DJ1.4		116
Conical head screws	M1.2, M1.4, M1.6		117
Flat head screws	M1.2, M1.4, M1.6		118
Dummy screws	M1.4		119
Pins-up fixing system		64-4200x	120
Safety Nut	M1.2	93-02525	121
	M1.4	93-02524	122
Blocks / Pins			123
Oil pen			124

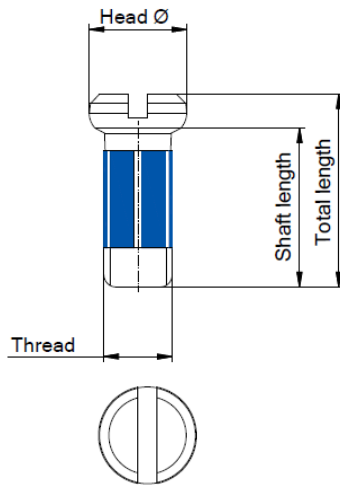
Features

- Stainless steel screws with six bumpers for optimum articulation against floppy temples
- Main application: **non flex metal & plastic temples**
- Additional anti-loosening function integrated
- Extra tolerance compensation
- No backlash
- 90% of the recycled plastic sprues are used for injection of new Space Screws

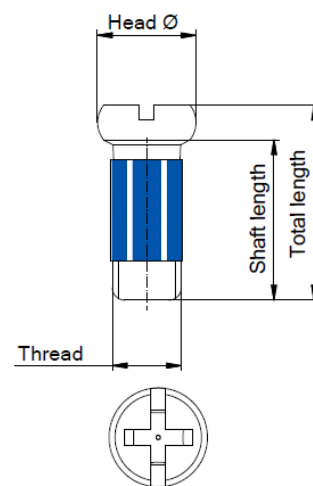


patented

Minus head



Plus-minus head



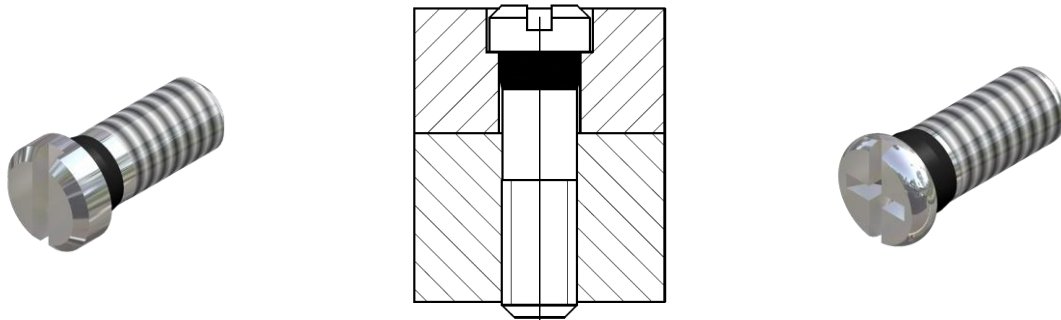
Minus head

Plus-minus head

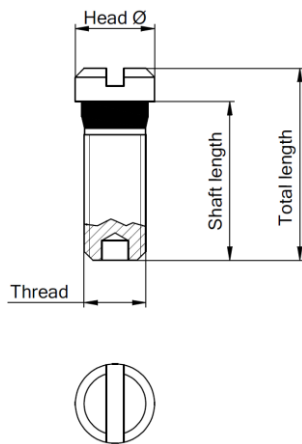
Art. No.	Thread	Total length	Shaft length	Head Ø	Art. No.	Thread	Total length	Shaft length	Head Ø
99-05305.600	M1.4	2.8	2.2	1.8	99-02305.600	M1.4	2.8	2.2	1.8
99-05310.600	M1.4	3.0	2.4	2.0	99-02310.600	M1.4	3.0	2.4	2.0
99-05322.600	M1.4	3.2	2.6	2.0	99-02322.600	M1.4	3.2	2.6	2.0
99-05311.600	M1.4	3.3	2.7	1.8	99-02324.600	M1.4	3.4	2.7	2.0
99-05324.600	M1.4	3.4	2.7	2.0	99-02328.600	M1.4	3.5	2.8	2.5
99-05328.600	M1.4	3.5	2.8	2.5	99-02393.600	M1.4	3.6	3.0	2.0
99-05325.600	M1.4	4.0	3.3	2.0	99-02325.600	M1.4	4.0	3.3	2.0
99-05301.600	M1.4	4.3	3.6	2.0	99-02301.600	M1.4	4.3	3.6	2.0
99-05327.600	M1.4	4.5	3.8	2.0	99-02327.600	M1.4	4.5	3.8	2.0
99-05379.600	M1.4	4.6	3.9	2.0	99-02379.600	M1.4	4.6	3.9	2.0
99-05333.600	M1.4	5.0	4.3	2.0	99-02333.600	M1.4	5.0	4.3	2.0
99-05334.600	M1.4	5.5	4.8	2.0	99-02334.600	M1.4	5.5	4.8	2.0
99-05331.600	M1.4	5.7	4.9	2.5	99-02374.600	M1.4	5.8	5.1	2.0
99-05332.600	M1.4	6.4	5.7	2.0	99-02356.600	M1.4	6.1	5.4	2.0
99-05380.600	M1.4	8.5	7.8	2.0	99-02332.600	M1.4	6.4	5.7	2.0
99-05308.600	M1.4	9.2	8.5	2.0	99-02376.600	M1.4	6.9	6.2	2.0
					99-02380.600	M1.4	8.5	7.8	2.0

Features

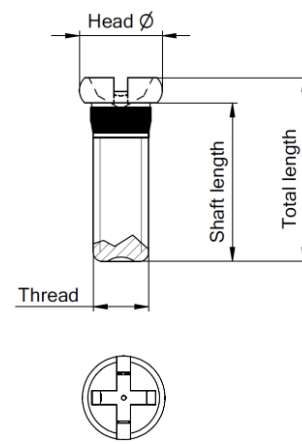
- Stainless steel screws with integrated safety system
- Main application for **rim locks in metal frames**
- Eliminate the risk of losing lenses by keeping them in position
- 90% of the recycled plastic sprues are used for injection of new Safety Screws



Minus head



Plus-minus head



Minus head

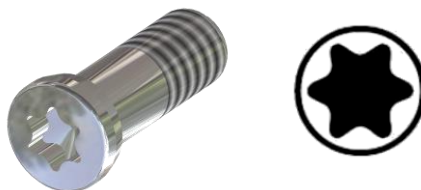
Art. No.	Thread	Total length	Shaft length	Head Ø
99-01546	M1.2	3.1	2.3	1.6
99-01548	M1.2	3.6	2.8	1.6
99-01549	M1.2	4.1	3.3	1.6
99-01550	M1.2	4.5	3.7	1.6
99-01551	M1.2	5.0	4.2	1.6
99-01538	M1.4	2.6	1.8	1.8
99-01542	M1.4	2.8	2.0	1.8
99-01541	M1.4	3.1	2.3	1.8
99-01539	M1.4	3.4	2.6	1.8
99-01543	M1.4	3.5	2.7	1.8
99-01584	M1.4	3.6	2.9	2.0
99-01537	M1.4	3.9	3.1	1.8
99-01545	M1.4	4.0	3.2	1.8
99-01585	M1.4	4.0	3.2	2.0
99-01540	M1.4	4.4	3.6	1.8
99-01547	M1.4	5.0	4.2	1.8

Plus-minus head

Art. No.	Thread	Total length	Shaft length	Head Ø
99-01624	M1.2	3.2	2.6	1.8
99-01627	M1.2	4.4	3.8	1.8
99-01690	M1.4	2.4	1.8	2.0
99-01610	M1.4	2.7	2.1	2.0
99-01606	M1.4	3.0	2.4	2.0
99-01644	M1.4	3.2	2.6	1.8
99-01604	M1.4	3.2	2.6	2.0
99-01609	M1.4	3.4	2.8	2.0
99-01603	M1.4	3.6	3.0	2.0
99-01601	M1.4	3.8	3.2	2.0
99-01608	M1.4	4.0	3.4	2.0
99-01602	M1.4	4.2	3.6	2.0
99-01607	M1.4	4.6	4.0	2.0
99-01605	M1.4	5.0	4.4	2.0
99-01600	M1.4	5.9	5.3	2.0

Features

- Stainless steel screws in Torx® system
- Application in **all kind of frames**
- Optimal handling: no slipping – easy assembling – no over-torquing
- Long versions available for **rimless frames**
- 90% of the recycled plastic sprues are used for injection of new Safety Screws

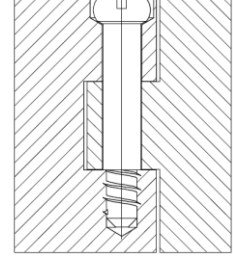
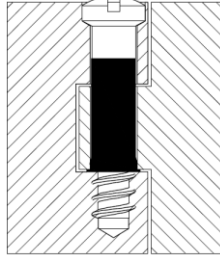


Conical head	Flat head	Injection safety screw for rim locks	Injection safety screw for hinges

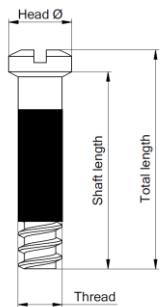
Art. No.	Size	Thread	Total length	Shaft length	Head Ø	Screw type
99-04750	T3	M1.2	2.3	1.8	2.2	Flat head screw
99-04002	T3	M1.2	9.0	8.5	1.9	Flat head screw for rimless frames
99-04001	T3	M1.2	13.0	12.4	2.0	Flat head screw for rimless frames
99-04803	T3	M1.4	2.4	1.6	2.0	Conical head screw
99-04728	T3	M1.4	2.8	2.1	2.0	Flat head screw
99-04811	T3	M1.4	3.0	2.2	2.0	Conical head screw
99-04812	T3	M1.4	3.3	2.5	2.0	Conical head screw
99-04324	T3	M1.4	3.4	2.7	2.0	Injection safety screw for hinges
99-04609	T3	M1.4	3.5	2.8	2.0	Injection safety screw for rim locks
99-04724	T3	M1.4	3.5	2.8	2.0	Flat head screw
99-04814	T3	M1.4	3.8	3.0	2.0	Conical head screw
99-04701	T3	M1.4	3.9	3.2	2.0	Flat head screw
99-04602	T3	M1.4	4.3	3.6	2.0	Injection safety screw for rim locks
99-04327	T3	M1.4	4.5	3.8	2.0	Injection safety screw for hinges
99-04816	T3	M1.4	4.5	3.7	2.0	Conical head screw
99-04333	T3	M1.4	5.0	4.3	2.0	Injection safety screw for hinges
99-04730	T3	M1.4	6.0	5.3	2.0	Flat head screw
99-04726	T3	M1.6	5.0	4.3	2.5	Flat head screw
99-04725	T3	M1.6	5.3	4.5	2.5	Flat head screw

Features

- Stainless steel screws with self-tapping function for **plastic frames**
- Stainless steel screws with self-tapping function with ISS technology for **combination frames**
- 90% of the recycled plastic sprues are used for injection of new Safety Screws



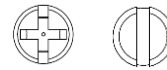
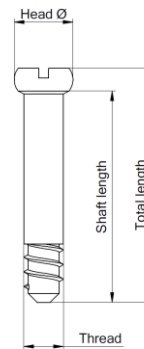
DJ-Screws with Safety Technology



Safety Screws



DJ-Screws with conical head



DJ-Screws with Safety Technology

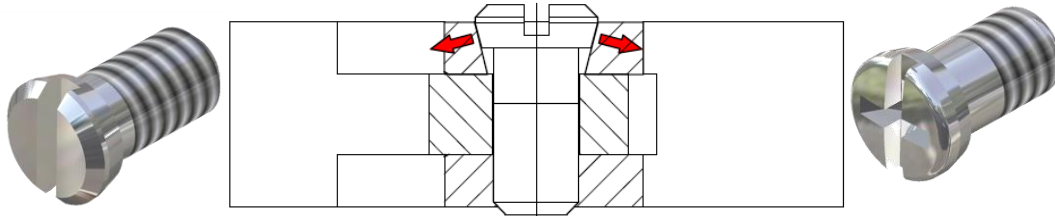
Art. No.	Thread	Total length	Shaft length	Head Ø
99-02902 	DJ1.4	6.2	5.5	2.0
99-02903 	DJ1.4	7.0	6.3	2.0

DJ-Screws with conical head

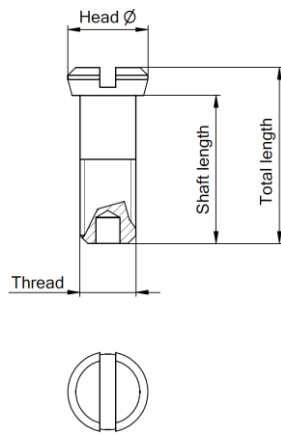
Art. No.	Thread	Total length	Shaft length	Head Ø
99-02901 	DJ1.2	2.7	2.1	1.6
99-02910 	DJ1.2	6.0	5.3	1.8
99-02906 	DJ1.4	7.0	6.3	2.0
99-02911 	DJ1.2	8.0	7.3	1.8

Features

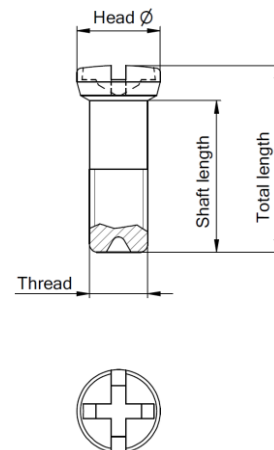
- Stainless steel screws with anti-loosening function
- Application in **OBE non flex & flex hinges**
- Enable equal and precise movement of the hinge



Minus head



Plus-minus head



Minus head

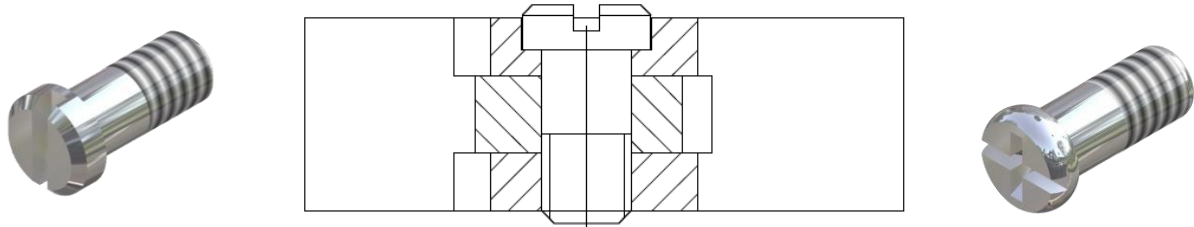
Plus-minus head

Art. No.	Thread	Total length	Shaft length	Head Ø
99-02550	M1.2	2.4	1.9	1.8
99-02530	M1.4	2.3	1.8	2.0
99-02506	M1.4	2.6	1.9	2.0
99-02525	M1.4	2.9	2.2	2.0
99-02507 Thread length 1.3	M1.4	3.2	2.5	2.0
99-02500 Thread length 1.6	M1.4	3.2	2.5	2.0
99-02501	M1.4	3.4	2.7	2.0
99-02524	M1.4	3.7	3.0	2.0
99-02502	M1.4	3.9	3.2	2.0
99-02503	M1.4	4.4	3.7	2.0
99-02511	M1.6	3.5	2.7	2.5

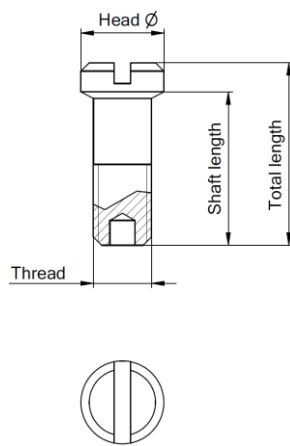
Art. No.	Thread	Total length	Shaft length	Head Ø
99-01803	M1.4	2.4	1.7	2.0
99-01810	M1.4	2.7	1.9	2.0
99-01811	M1.4	3.0	2.2	2.0
99-01812	M1.4	3.3	2.4	2.0
99-01813 Thread length 1.4	M1.4	3.5	2.7	2.0
99-01815 Thread length 1.9	M1.4	3.5	2.7	2.0
99-01814	M1.4	3.8	3.0	2.0
99-01817	M1.4	4.0	3.2	2.0
99-01818	M1.4	4.2	3.4	2.0
99-01816	M1.4	4.5	3.7	2.0

Features

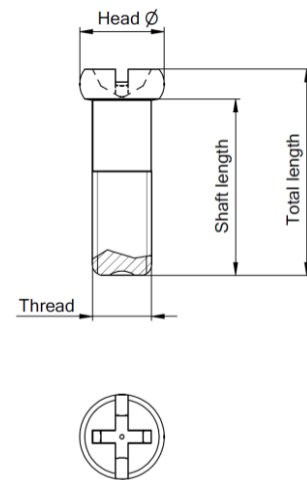
- Stainless steel screws
- Application: **non flex OBE hinges**
- Can be nickel or gold plated



Minus head



Plus-minus head



Minus head

Art. No.	Thread	Total length	Shaft length	Head Ø
99-02001	M1.2	2.3	1.8	1.8
99-02023	M1.2	4.4	3.9	1.6
99-02017	M1.2	5.2	4.5	1.6
99-02008	M1.4	2.7	2.1	2.0
99-02035	M1.4	3.4	2.7	1.8
99-01375	M1.4	3.4	2.7	2.0
99-01435	M1.4	3.6	3.0	2.5
99-01376	M1.4	3.9	3.2	2.0
99-01377	M1.4	4.4	3.7	2.0
99-01362	M1.6	3.4	2.8	2.5
99-01458	M1.6	3.5	2.9	2.5
99-01363	M1.6	4.0	3.3	2.5
99-01364	M1.6	4.4	3.7	2.5
99-01357	M1.6	4.8	3.9	2.8

Plus-minus head

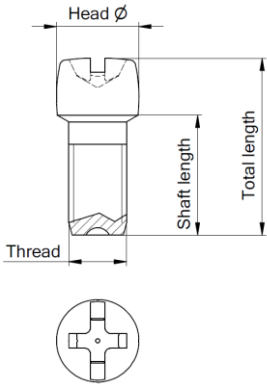
Art. No.	Thread	Total length	Shaft length	Head Ø
99-01750	M1.2	2.0	1.5	2.2
99-01751	M1.2	2.3	1.8	2.2
99-01722	M1.4	2.1	1.5	2.5
99-01703	M1.4	3.5	2.8	1.8
99-01730	M1.4	3.5	2.8	1.9
99-01700	M1.4	3.9	3.2	2.0
99-01708	M1.4	4.2	3.5	1.8
99-01715	M1.4	4.7	4.0	2.0
99-01721	M1.4	5.1	4.4	2.0
99-01718	M1.4	5.5	4.8	2.0
99-01720	M1.4	6.2	5.5	2.0
99-01719	M1.4	6.4	5.7	2.0
99-01716	M1.4	6.7	6.0	2.0

Features

- Stainless steel screws replacing Safety screws in soldering process
- Application: **non flex metal frames**
- Easy handling & reusable



Plus-minus head



Plus-minus head

Art. No.	For hinges with wide of	Thread	Total length	Shaft length	Head Ø
99-01891	2.5 mm	M1.4	3.8	2.8	2.0
99-01893	3.0 mm	M1.4	4.3	2.8	2.0
99-01896	4.0 mm	M1.4	5.3	3.6	2.0
99-01898	4.5 mm	M1.4	5.8	4.0	2.0

Features

- Fixing end piece in stainless steel
- Best application in **rimless frames** for screw-in or pressure-mount
- Stable one piece construction

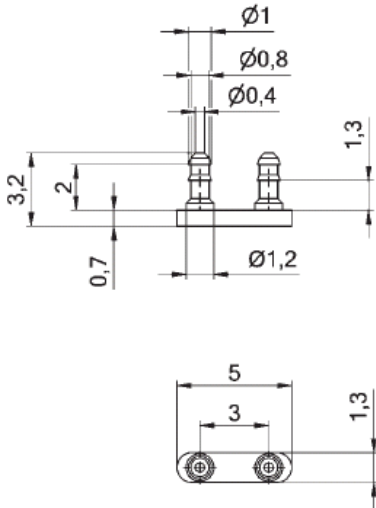
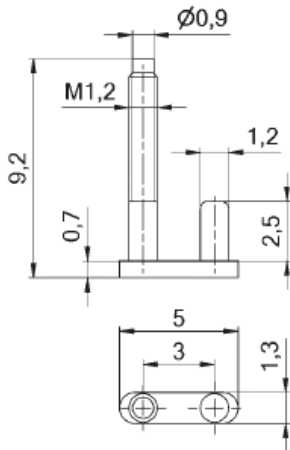


64-42004

screw-in

64-42005

clip-in

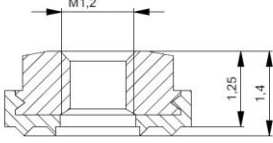
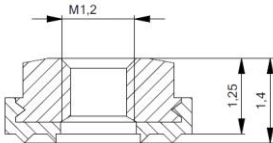


Matching parts

64-42004

OBE Star M1.2

OBE Star M1.2 gold plated



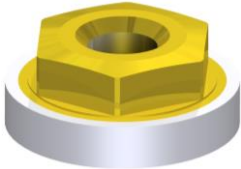
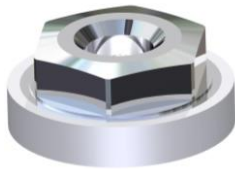
93-02525.340.00

93-02525.340.60

Catalogue 2023 I 2024 - Subject to change without prior notice – all measurements in mm

Features

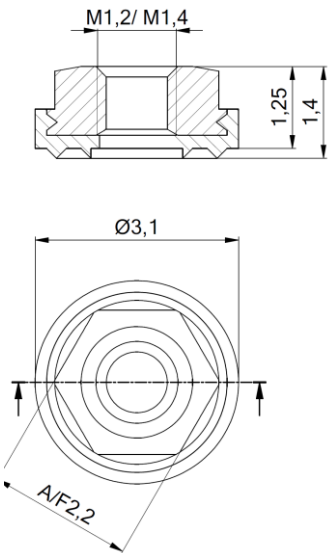
- Stainless steel safety nut with integrated plastic washer
- Application: **rimless frames**
- Anti-loosening effect
- Two versions available: in silver and gold color
- 90% of the recycled plastic sprues are used for injection of new Safety Nut



patented

Standard

Gold plated



Version	Standard	Gold plated
M1.2	93-02525.340.00	93-02525.340.60
M1.4	93-02524.340.00	93-02524.340.60

Matching parts for 93-02525



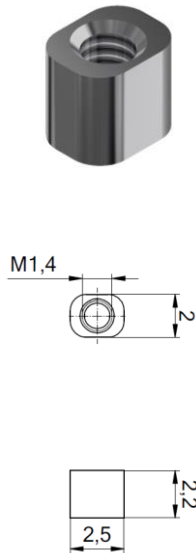
99-04002 9 mm
99-04001 13 mm

Features

- Connecting parts for end pieces
- Main application for **rimless frames**
- Increase combination possibilities to front parts

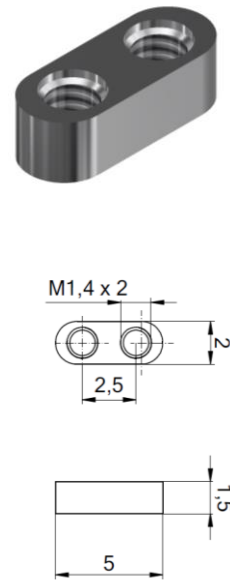
11-40341

nickel silver



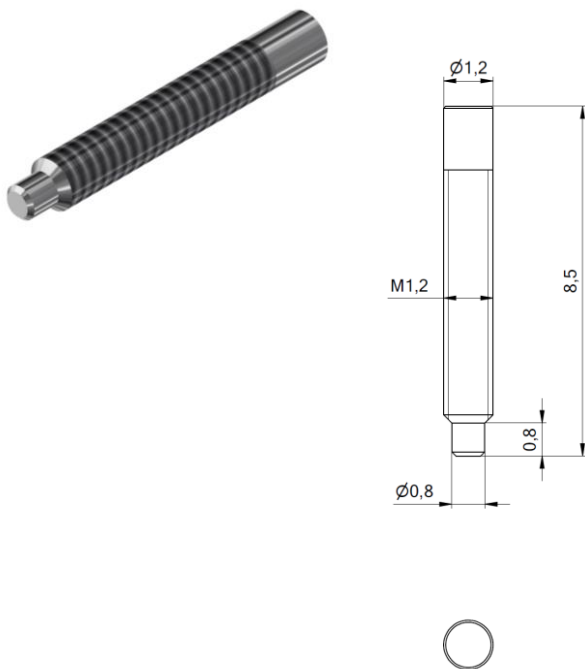
11-20030

nickel silver



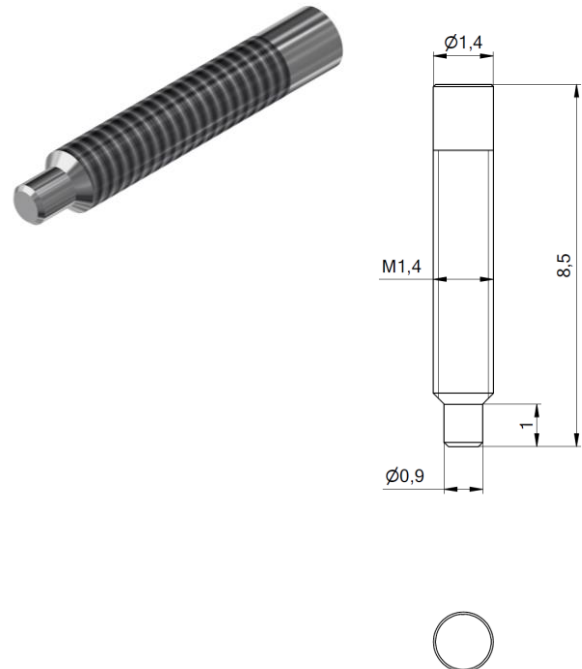
99-00069

stainless steel



99-00068

stainless steel



Features

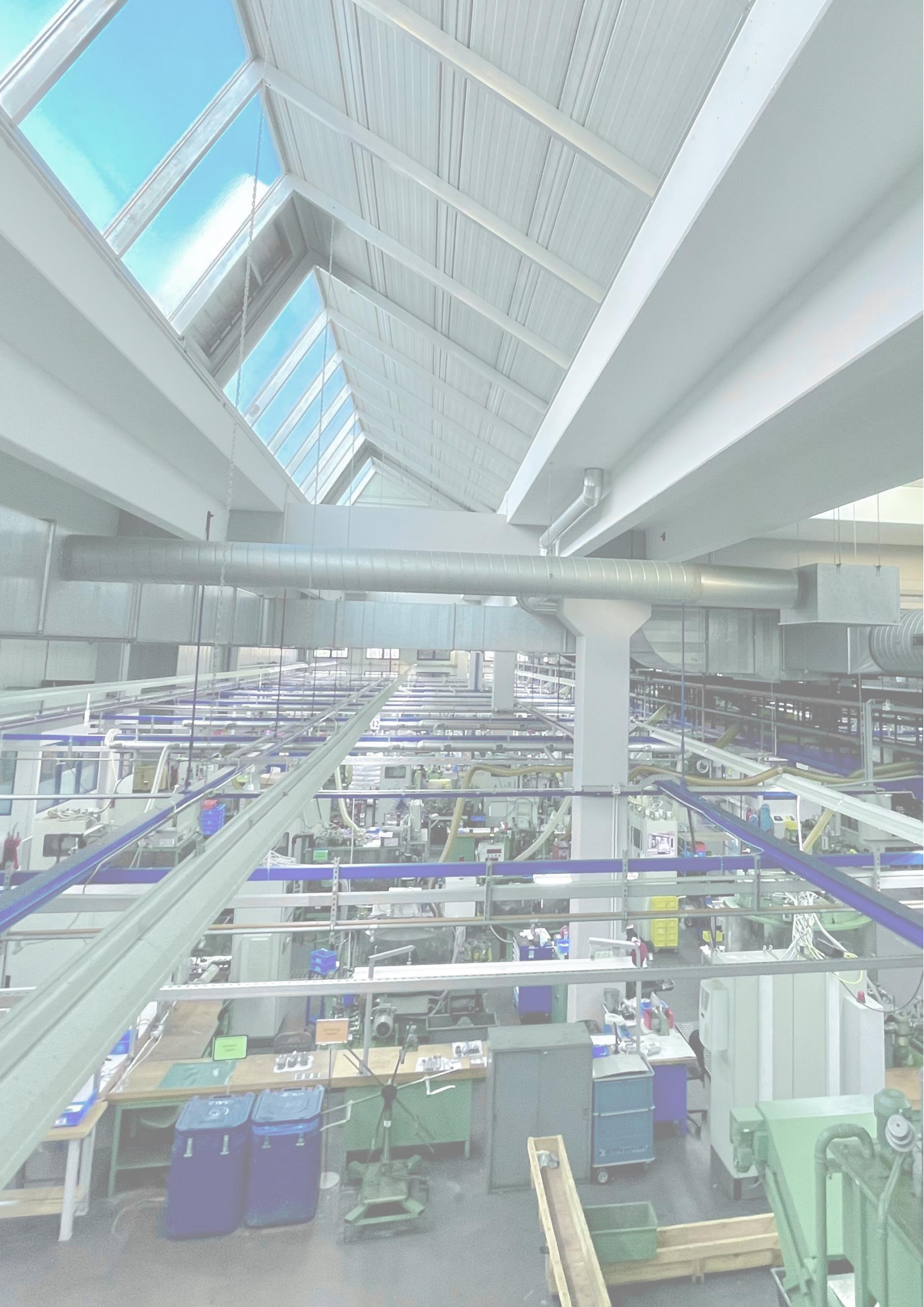
- Highly additive lubricating oil especially developed for hinges
- Reduces friction and ensures running properties.
- Good anticorrosive properties

Technical Data

Color		white
Name		CLPF22
Density 20°C	kg/m ³	880
Temperature Range °C	-15 -> +150	
Pour point	°C	-30
Flash point COC	°C	180
Content PTFE	%	4

The indicated service temperatures are guide values depending on the lubricants composition and on the application. They may vary in case of special influences or ongoing use.





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