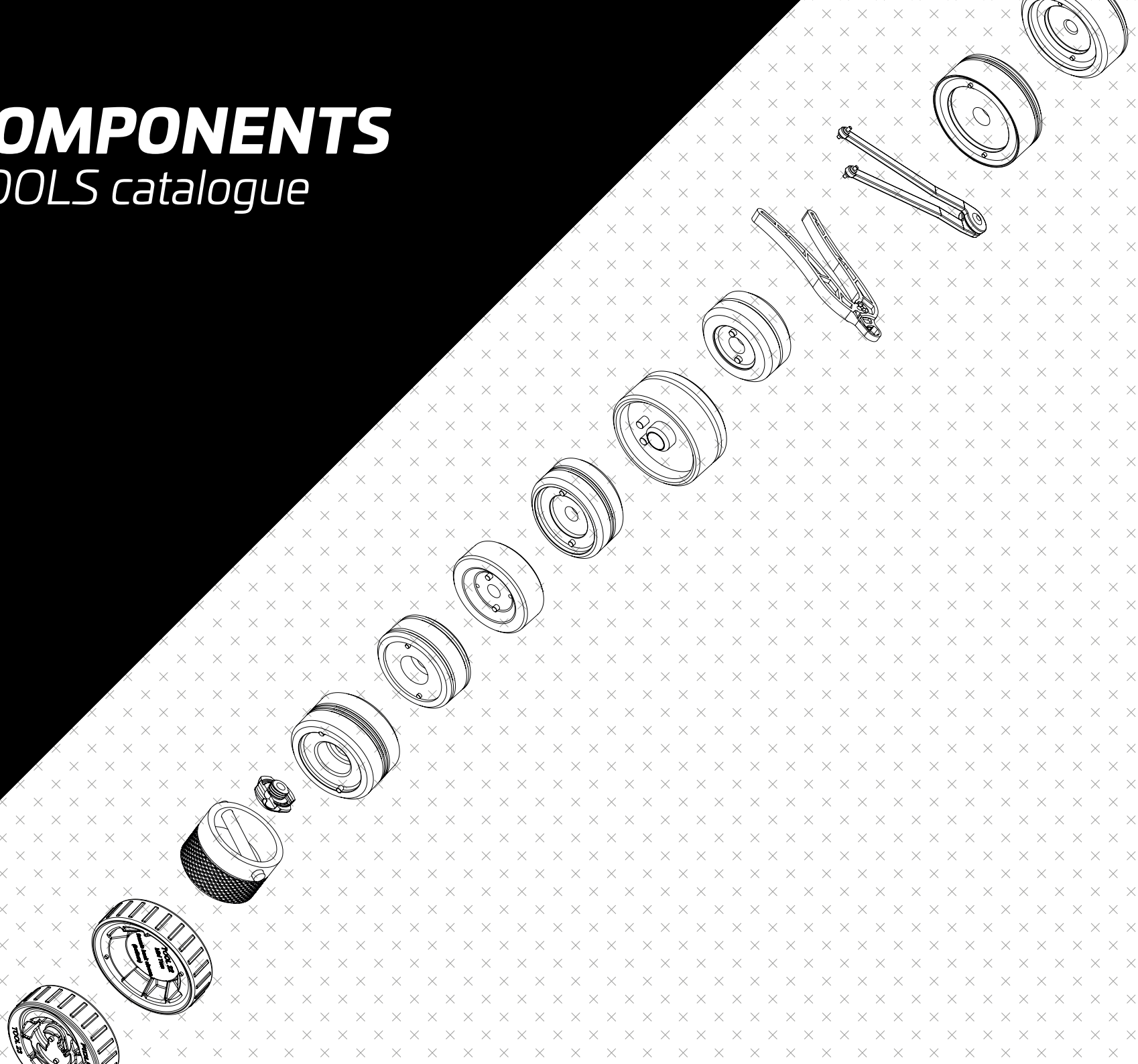
COMPONENTS

TOOLS catalogue



EN

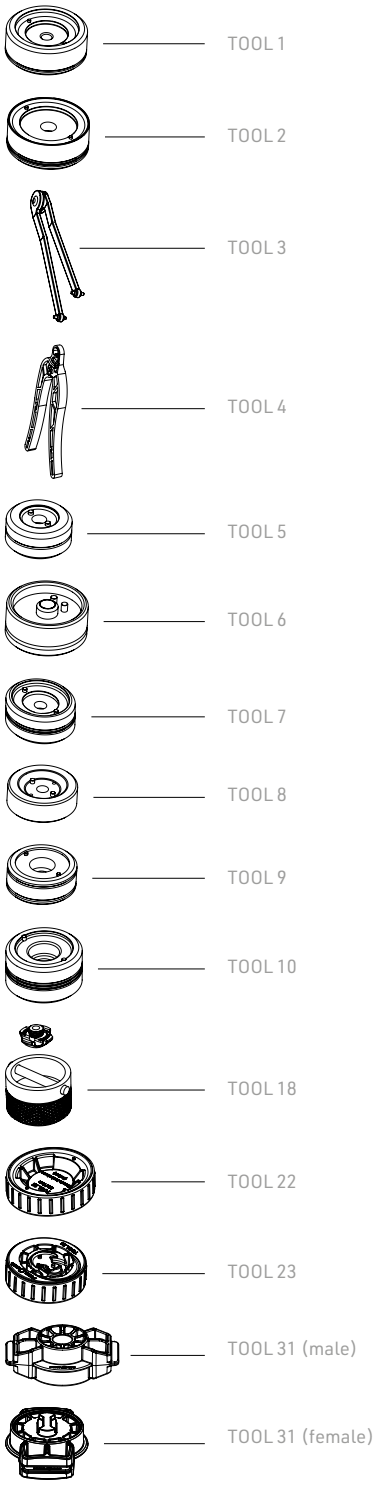
FIDLOCK®

Quickfinder

FIDLOCK fasteners are individually configurable and, therefore, can be optimally adjusted to suit the respective application and the desired design. According to the configuration of the fasteners, FIDLOCK offers appropriate tools to ensure easy assembly. The quickfinder clearly shows which tools you can use for fitting different fasteners and fastener parts. It also takes you directly to the correct tool/catalogue page with a single click.

Product	male	female
MINI TURN 02010, 02020, 02030, 02040, 02045, 02050, 02055	TOOL 1 / TOOL 3 / TOOL 22 page 05 / page 06 / page 07	TOOL 2 / TOOL 3 / TOOL 22 page 05 / page 06 / page 07

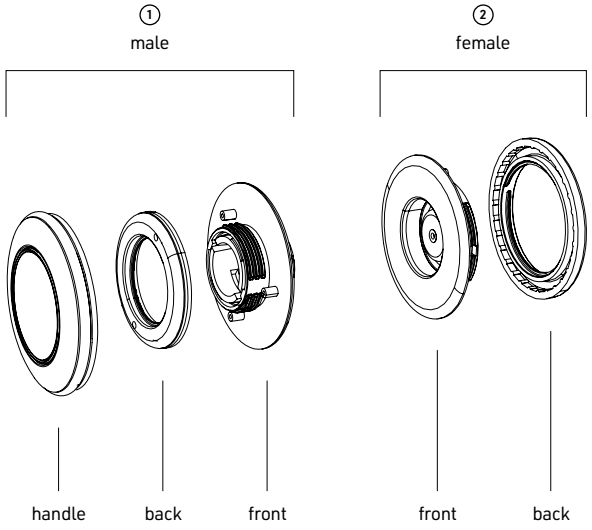
Product	front	back
SNAP *male S screw low* 05010 / F5010	TOOL 4 page 11	TOOL 3 / TOOL 5 / TOOL 23 page 17 / page 11 / page 21
SNAP *male S screw mid* 05715	TOOL 4 page 11	TOOL 3 / TOOL 5 / TOOL 23 page 17 / page 11 / page 21
SNAP *male S screw high* 05020	TOOL 4 page 11	TOOL 3 / TOOL 5 / TOOL 23 page 17 / page 11 / page 21
SNAP *male S screw brass (Alu) low* 05033	TOOL 4 page 11	TOOL 3 / TOOL 5 / TOOL 23 page 17 / page 11 / page 21
SNAP *male S screw brass (Alu) high* 05034	TOOL 4 page 11	TOOL 3 / TOOL 5 / TOOL 23 page 17 / page 11 / page 21
SNAP *male S screw low alu* 05043	TOOL 4 page 11	TOOL 3 / TOOL 5 / TOOL 23 page 17 / page 11 / page 21
SNAP *male S screw high alu* 05044	TOOL 4 page 11	TOOL 3 / TOOL 5 / TOOL 23 page 17 / page 11 / page 21
SNAP *female S screw low* 05100	TOOL 6 / TOOL 23 page 12 / page 21	TOOL 3 / TOOL 7 / TOOL 23 page 17 / page 12 / page 21
SNAP *female S screw high* 05200	TOOL 6 / TOOL 23 page 12 / page 21	TOOL 3 / TOOL 7 / TOOL 23 page 17 / page 12 / page 21
SNAP *female S screw cap* 05103	TOOL 6 / TOOL 23 page 13 / page 21	TOOL 3 / TOOL 8 page 17 / page 13
SNAP *male S rope* 05047	TOOL 4 page 11	TOOL 18 page 18
SNAP *male M screw low* 05122	TOOL 3 / TOOL 9 page 17 / page 14	TOOL 3 / TOOL 7 / TOOL 23 page 17 / page 14 / page 21
SNAP *male M screw high* 05123	TOOL 3 / TOOL 9 page 17 / page 14	TOOL 3 / TOOL 7 / TOOL 23 page 17 / page 14 / page 21
SNAP *female M screw* 05500		TOOL 1 / TOOL 3 / TOOL 22 page 19 / page 17 / page 20
SNAP *male M retractable anchor* 05281	TOOL 31 page 22	
SNAP *female M inset anchor* 05512	TOOL 31 page 22	
SNAP *male M retractable screw* 05282	TOOL 31 page 22	TOOL 3 page 17
SNAP *female M inset screw* 05511	TOOL 31 page 22	TOOL 3 page 17
SNAP *male L screw low* 05007	TOOL 10 page 15	TOOL 3 / TOOL 7 / TOOL 23 page 17 / page 15 / page 21
SNAP *male L screw high* 05008	TOOL 10 page 15	TOOL 3 / TOOL 7 / TOOL 23 page 17 / page 15 / page 21
SNAP *male L screw cap* 05009	TOOL 10 page 15	TOOL 3 / TOOL 8 page 17 / page 13
SNAP *female L screw* 05600		TOOL 2 / TOOL 3 / TOOL 22 page 19 / page 17 / page 20
SNAP *female L screw extra grip* 05605		TOOL 2 / TOOL 3 / TOOL 22 page 19 / page 17 / page 20
SNAP *male L retractable* 05270		TOOL 2 / TOOL 3 / TOOL 22 page 19 / page 17 / page 20



Product	Tool
SNAP *male M bolt – M5×8 mm* 05150	adjustable C-hook spanner with pin from any manufacturer
SNAP *male M bolt – M5×18 mm* 05151	adjustable C-hook spanner with pin from any manufacturer
SNAP *male L bolt – M5×7 mm* 05155	adjustable C-hook spanner with pin from any manufacturer
SNAP *male L bolt – M5×17 mm* 05156	adjustable C-hook spanner with pin from any manufacturer
WINCH *clip-in base* 01540	TOOL 30 page 25

adjustable C-hook spanner with pin

TOOL 30

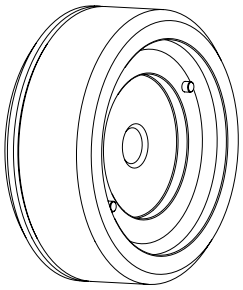


TOOLS for MINI TURN fasteners

MINI TURN fasteners are the ideal solution for most fastening concepts and applications. The fastener parts are fitted using sturdy tools. The MINI TURN consists of a male upper part ① plus a handle and a female lower part ②, each comprising a front and back section. Product designers receive ideal properties for production in the factory or the manual manufacturing of individual product samples with the MINI TURN's screwed fitting and our tool selection.

Product	back (male)	back (female)
MINI TURN 02010, 02020, 02030, 02040, 02045, 02050, 02055	TOOL 1 page 05 / TOOL 3 page 06 / TOOL 22 page 07	TOOL 2 page 05 / TOOL 3 page 06 / TOOL 22 page 07

TOOL 1



Diameter (ø)
52,0 mm

Diameter (threaded hole)
M8

Number of rings
1

Material
aluminium

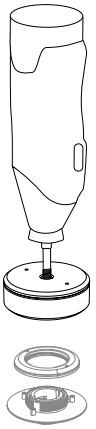
Assembly usage
manual or with electric drive

Used for
MINI TURN (male)

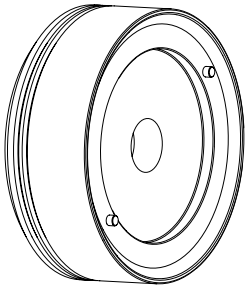
Note
A tool with two pins for screwing the fastener's threaded ring on by hand. An electric assembly tool can be connected to the thread on the reverse side of TOOL 1 for series production.

As an alternative to combining TOOL 1 and TOOL 2, TOOL 3 can be used.

Use with electric fitting tool:



TOOL 2



Diameter (ø)
52,0 mm

Diameter (threaded hole)
M8

Number of rings
2

Material
aluminium

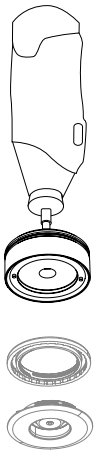
Assembly usage
manual or with electric drive

Used for
MINI TURN (female)

Note
A tool with two pins for screwing the fastener's threaded ring on by hand. An electric assembly tool can be connected to the thread on the reverse side of TOOL 2 for series production.

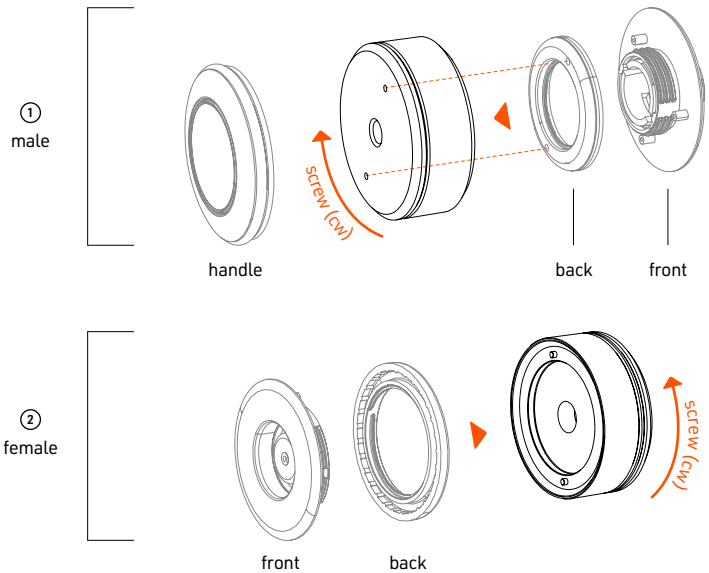
As an alternative to combining TOOL 1 and TOOL 2, TOOL 3 can be used.

Use with electric fitting tool:



Fitting

The MINI TURN is fitted in two easy steps, using TOOL 1 and TOOL 2.

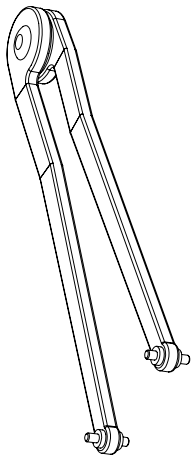


First, the threaded ring (back) of the male upper fastener part is screwed on by hand and then tightened with TOOL 1 by turning in a clockwise direction ①.

The same step is then carried out for the female lower fastener part, using TOOL 2 ②.

* This catalogue uses exemplary illustrations

TOOL 3



Diameter (⌀ pins)
1,9 mm

Material
burnished steel

Assembly usage
manual

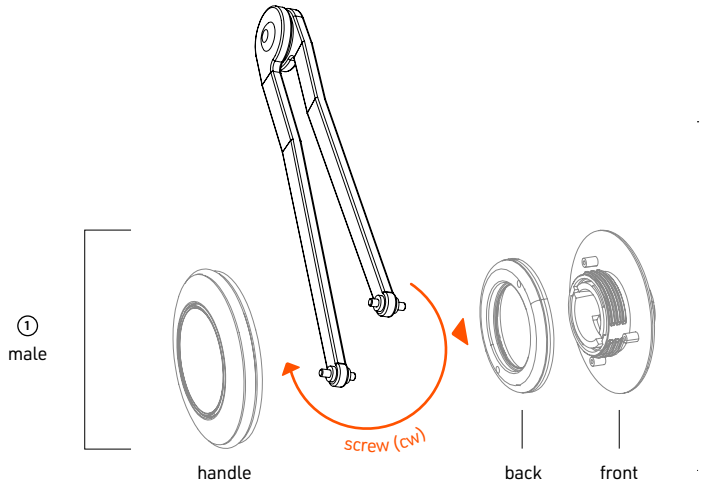
Used for
MINI TURN (male and female)

Note
The adjustable face spanner is used for manual fitting of the male upper fastener parts and the female lower fastener parts of the MINI TURN. It is also ideal for the assembly of many SNAP fasteners.

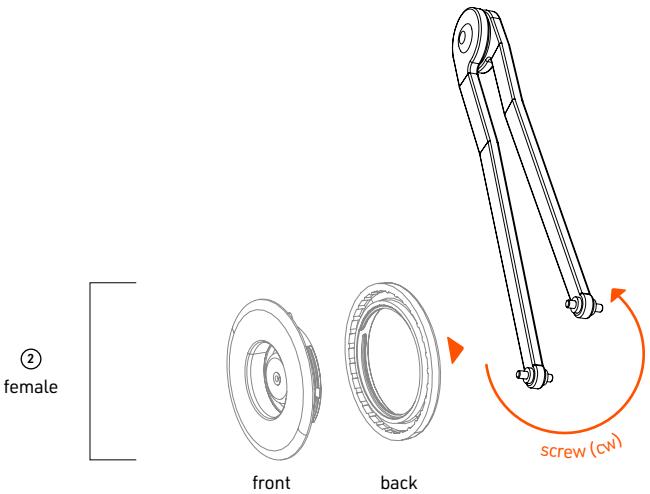
As an alternative to TOOL 3, a combination of TOOL 1 and TOOL 2 is useable. We recommend using TOOL 1 and TOOL 2 for mass production and TOOL 3 for small production runs and salesman samples.

Fitting

The MINI TURN offers easy assembly with a single tool (TOOL 3).



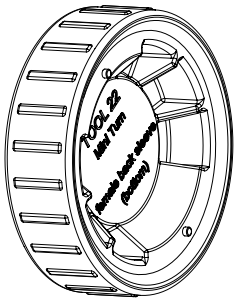
To fit the male upper fastener part ①, place the front section in the punched hole of your product and then screw the threaded ring (back) on by hand. Next, insert the face spanner into the holes of the threaded ring and turn in a clockwise direction to tighten.



The same step is then carried out for the female lower fastener part ②. Finally, the handle is just clipped onto the male part and aligned.

* This catalogue uses exemplary illustrations

TOOL 22



Diameter (ø)
54,0 mm

Material
PA66-GF

Assembly usage
manual

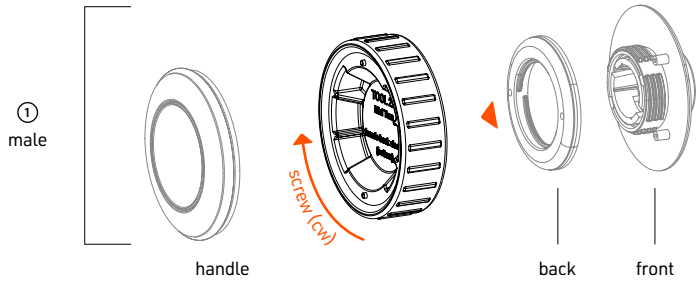
Used for
MINI TURN (male)

Note
TOOL 22 combines TOOL 1 and TOOL 2, allowing assembly of the MINI TURN with a single tool.

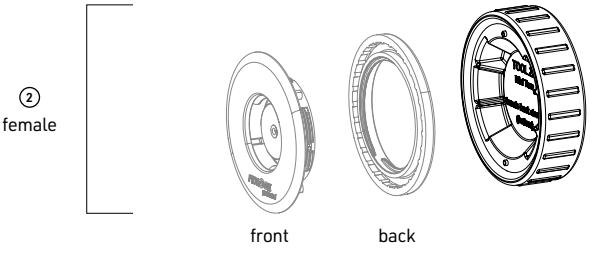
This tool is not suitable for mass production. It is a versatile tool for the fitting of sample quantities.

Fitting

The MINI TURN is fitted in two simple steps using a single tool, TOOL 22.



To fit the male upper fastener part ①, you first need to place the front section in the punched hole of your product. Then screw the threaded ring (back) on by hand. For the final tightening, insert the face spanner into the holes of the threaded ring and turn in a clockwise direction.

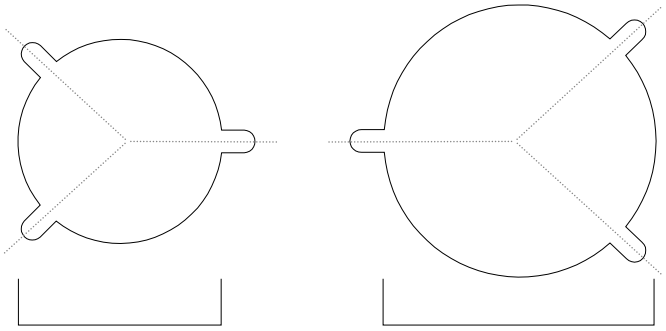


Repeat the same steps with TOOL 22 to fit the female lower fastener part ②. Finally, the handle is clipped onto the male part and aligned. This tool is not suitable for mass production. It is a convenient tool to assemble samples.

* This catalogue uses exemplary illustrations

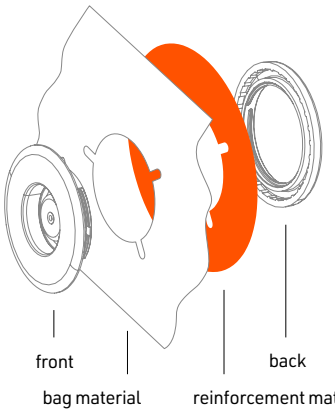
Assembly

To fit the fastener, you will need the following tools: scissors, a cutter, punch pliers, a fibre-tip pen, and a TOOL (TOOL 1 + TOOL 2, or TOOL 22, or TOOL 3, or a face spanner). The MINI TURN handle features a single-use catch mechanism and isn't removable after successful fitting! For prototypes and testing, it can be made removable by cutting off two catch hooks on the shaft of the handle (attention: the cut handle can no longer be used for production).



1. Fitting pattern / punching template (1:1)

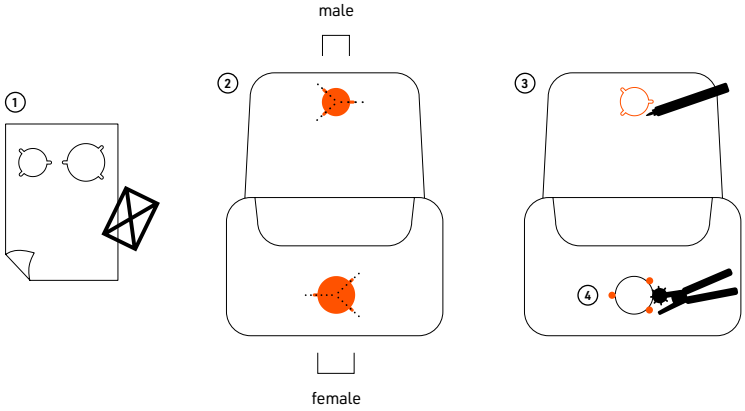
- Please download the pattern and punching template with the following link: **download.fidlock.com/Template_MINI_TURN_thread.zip**
- Print the pattern and then cut it out.



2. Material and material reinforcement

- If the bag material used is too floppy or too thin, cut out additional inlays for the female lower part and male upper part, e.g. out of cardboard, leather, or polypropylene, and place these between the fastener parts as reinforcement.
- The thickness of the upper material, reinforcement materials and bag lining should be between 1,0 and 2,6 mm in total.

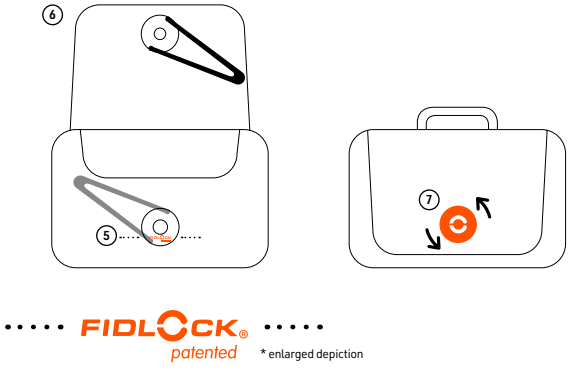
Note
The MINI TURN requires a material thickness of 1,0 to 2,6 mm.



3. Exact positioning and alignment

- Cut out the patterns ① and place the male pattern on the bag flap and the female pattern on the body of the bag.
- Next, use the fibre tip pen to mark the position on the material (fabric) ③ and cut or punch the holes into the material ④.

Note
The exact alignment of the eyes ② is essential to ensure the male and female closing mechanism works!



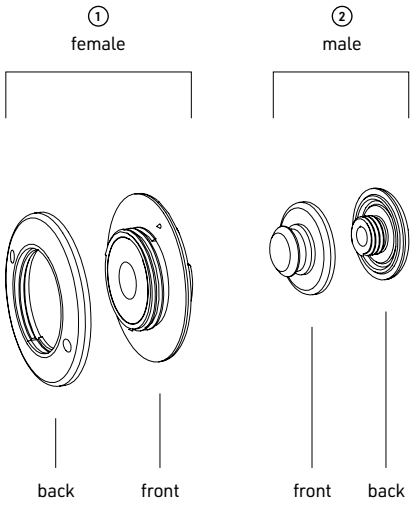
4. Fitting correctly

- Fit the female lower fastener part ⑤ by screwing the back and front sections together by hand (see page 5 for details).
- For the final tightening, insert TOOL 3 (face spanner) into the holes of the threaded ring and turn in a clockwise direction.
- Fit the male upper fastener part ⑥ by screwing the front and back section together by hand. Then tighten with TOOL 3 (face spanner).

Note
The "FIDLOCK patented" logo will be correctly and horizontally aligned if the position of the eyes ② is punched correctly.

It is essential to ensure the exact alignment of the handle. To do so, turn the handle to the correct position (sticker/logo) and then click into place ⑦.

* This catalogue uses exemplary illustrations



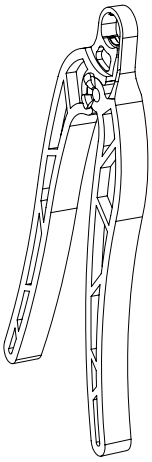
TOOLS for SNAP fasteners

SNAP fasteners are the flexible solution for many fastening concepts and attachment solutions. The fastener parts are fitted with robust tools that are each useable for both - the upper part ① and the lower part ②. The fasteners consist of a female upper part and a male lower part, each comprising a front and back section.

Product	front	back
SNAP *male S screw low* 05010 / F5010	TOOL 4 page 11	TOOL 3 / TOOL 5 / TOOL 23 page 17 / page 11 / page 21
SNAP *male S screw mid* 05715	TOOL 4 page 11	TOOL 3 / TOOL 5 / TOOL 23 page 17 / page 11 / page 21
SNAP *male S screw high* 05020	TOOL 4 page 11	TOOL 3 / TOOL 5 / TOOL 23 page 17 / page 11 / page 21
SNAP *male S screw brass (Alu) low* 05033	TOOL 4 page 11	TOOL 3 / TOOL 5 / TOOL 23 page 17 / page 11 / page 21
SNAP *male S screw brass (Alu) high* 05034	TOOL 4 page 11	TOOL 3 / TOOL 5 / TOOL 23 page 17 / page 11 / page 21
SNAP *male S screw low alu* 05043	TOOL 4 page 11	TOOL 3 / TOOL 5 / TOOL 23 page 17 / page 11 / page 21
SNAP *male S screw high alu* 05044	TOOL 4 page 11	TOOL 3 / TOOL 5 / TOOL 23 page 17 / page 11 / page 21
SNAP *female S screw low* 05100	TOOL 6 / TOOL 23 page 12 / page 21	TOOL 3 / TOOL 7 / TOOL 23 page 17 / page 12 / page 21
SNAP *female S screw high* 05200	TOOL 6 / TOOL 23 page 12 / page 21	TOOL 3 / TOOL 7 / TOOL 23 page 17 / page 12 / page 21
SNAP *female S screw cap* 05103	TOOL 6 / TOOL 23 page 13 / page 21	TOOL 3 / TOOL 8 page 17 / page 13
SNAP *male S rope* 05047	TOOL 4 page 11	TOOL 18 page 18
SNAP *male M screw low* 05122	TOOL 3 / TOOL 9 page 17 / page 14	TOOL 3 / TOOL 7 / TOOL 23 page 17 / page 14 / page 21
SNAP *male M screw high* 05123	TOOL 3 / TOOL 9 page 17 / page 14	TOOL 3 / TOOL 7 / TOOL 23 page 17 / page 14 / page 21
SNAP *female M screw* 05500		TOOL 1 / TOOL 3 / TOOL 22 page 19 / page 17 / page 20
SNAP *male M retractable anchor* 05281	TOOL 31 page 22	
SNAP *female M inset anchor* 05512	TOOL 31 page 22	
SNAP *male M retractable screw* 05282	TOOL 31 page 22	TOOL 3 page 17
SNAP *female M inset screw* 05511	TOOL 31 page 22	TOOL 3 page 17

Product	front	back
SNAP *male L screw low* 05007	TOOL 10 page 15	TOOL 3 / page 17 ; TOOL 7 / page 15 ; TOOL 23 / page 21
SNAP *male L screw high* 05008	TOOL 10 page 15	TOOL 3 / page 17 ; TOOL 7 / page 15 ; TOOL 23 / page 21
SNAP *male L screw cap* 05009	TOOL 10 page 15	TOOL 3 / page 17 ; TOOL 8 / page 13
SNAP *female L screw* 05600		TOOL 2 / page 19 ; TOOL 3 / page 17 ; TOOL 22 / page 20
SNAP *female L screw extra grip* 05605		TOOL 2 / page 19 ; TOOL 3 / page 17 ; TOOL 22 / page 20
SNAP *male L retractable* 05270		TOOL 2 / page 19 ; TOOL 3 / page 17 ; TOOL 22 / page 20

TOOL 4



Diameter (ø)
8,6 mm

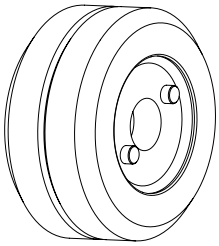
Material
nylon

Assembly usage
manual

Used for
SNAP male S screw low (front)
SNAP male S screw mid (front)
SNAP male S screw high (front)
SNAP male S screw brass (alu) low (front)
SNAP male S screw brass (alu) high (front)
SNAP male S screw low alu (front)
SNAP male S screw high alu (front)
SNAP male S rope (front)

Note
Plastic pliers for holding the SNAP male front section.

TOOL 5



Diameter (ø)
32,0 mm

Diameter (threaded hole)
M6

Number of rings
1

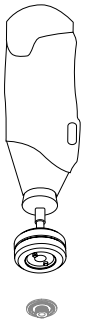
Material
aluminium

Assembly usage
manual or with electric drive

Used for
SNAP male S screw low (back)
SNAP male S screw mid (back)
SNAP male S screw high (back)
SNAP male S screw brass (alu) low (back)
SNAP male S screw brass (alu) high (back)
SNAP male S screw low alu (back)
SNAP male S screw high alu (back)

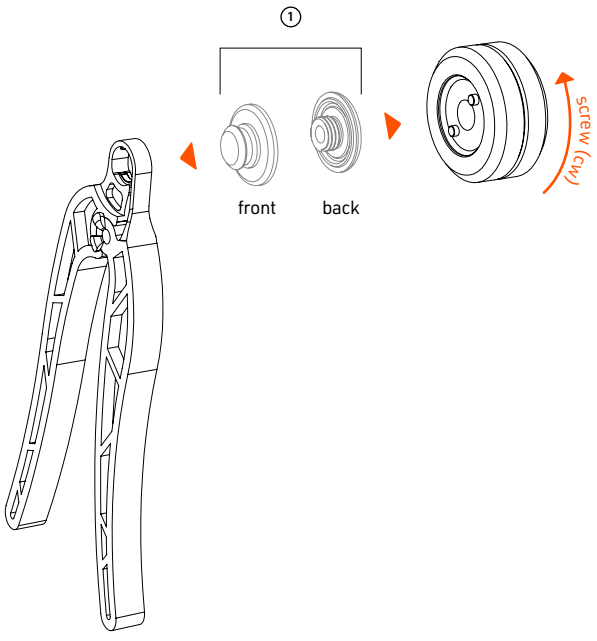
Note
This tool can be used for manual or series production. An electric assembly tool can be connected to the thread on the reverse side of TOOL 5 for use on assembly lines.

Use with electric fitting tool:



Fitting

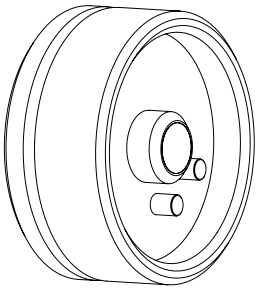
SNAP fasteners are fitted in two simple steps using TOOL 4 and TOOL 5.



Insert the front section of the male part ① into TOOL 4 (pliers). Then screw the back section on in a clockwise direction using TOOL 5. For fasteners of the SNAP family, it is recommended to assemble the products by hand first and then tighten them with the TOOLs.

* This catalogue uses exemplary illustrations

TOOL 6



Diameter (ø)
52,0 mm

Number of rings
1

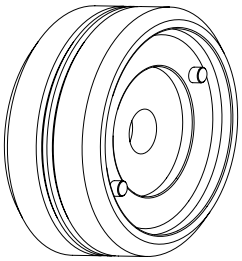
Material
aluminium

Assembly usage
manual

Used for
SNAP female S screw low (front)
SNAP female S screw high (front)
SNAP female S screw cap (front)

Note
Aluminium tool for holding the SNAP female screw. During assembly, this tool is only used to hold the fastener and is not connected to an electric drive.

TOOL 7



Diameter (ø)
40,0 mm

Diameter (threaded hole)
M6

Number of rings
2

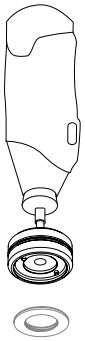
Material
aluminium

Assembly usage
manual or with electric drive

Used for
SNAP female S screw low (back)
SNAP female S screw high (back)
SNAP male M screw low (back)
SNAP male M screw high (back)
SNAP male L screw low (back)
SNAP male L screw high (back)

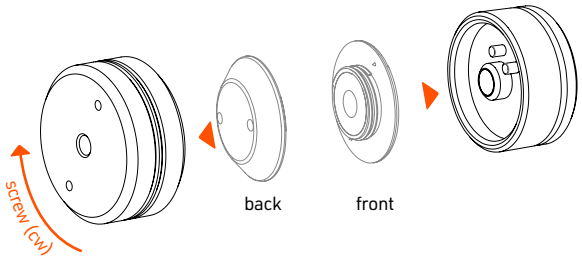
Note
A tool with two pins for screwing the fastener's threaded ring on by hand. An electric assembly tool can be connected to the thread on the reverse side of TOOL 7 for series production.

Use with electric fitting tool:



Fitting

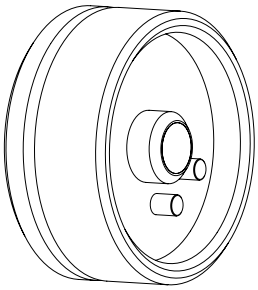
TOOL 6 and TOOL 7 are suitable for fitting many SNAP fasteners and can be used for male and female parts.



Insert the back section into TOOL 7. Next, screw it onto the front section by turning clockwise using TOOL 6. For fasteners of the SNAP family, it is recommended to assemble the products by hand first and then tighten them with the TOOLs.

* This catalogue uses exemplary illustrations

TOOL 6



Diameter (ø)
52,0 mm

Number of rings
1

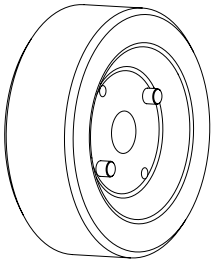
Material
aluminium

Assembly usage
manual

Used for
SNAP female S screw low (front)
SNAP female S screw high (front)
SNAP female S screw cap (front)

Note
Aluminium tool for holding the SNAP female screw. During assembly, this tool is only used to hold the fastener and is not connected to an electric drive.

TOOL 8



Diameter (ø)
40,0 mm

Diameter (threaded hole)
M8

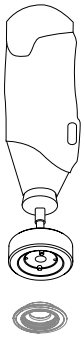
Material
aluminium

Assembly usage
manual or with electric drive

Used for
SNAP female S screw cap (back)
SNAP male L screw cap (back)

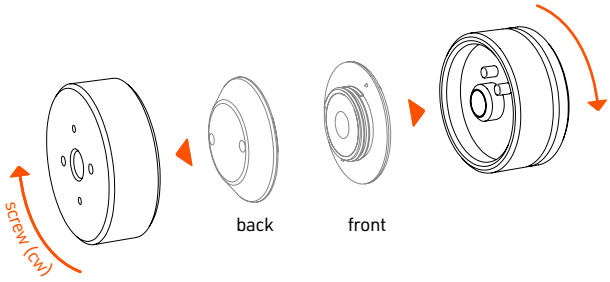
Note
A tool with two pins for screwing the fastener's threaded ring on by hand. An electric assembly tool can be connected to the thread on the reverse side of TOOL 8 for series production.

Use with electric fitting tool:



Fitting

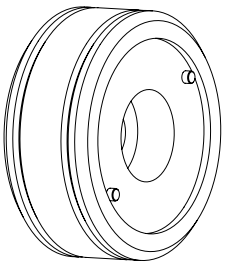
TOOL 6 and TOOL 8 used together allow effortless fitting of SNAP fasteners and are useable for the male and female parts.



Insert the back section into TOOL 8. Next, screw it onto the front section and TOOL 6 by turning clockwise. For fasteners of the SNAP family, it is recommended to assemble the products by hand first and then tighten them with the TOOLs.

* This catalogue uses exemplary illustrations

TOOL 9



Diameter (ø)
40 mm

Diameter (threaded hole)
M8

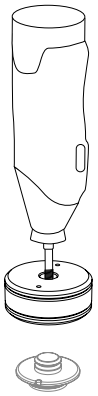
Material
aluminium

Assembly usage
manual or with electric drive

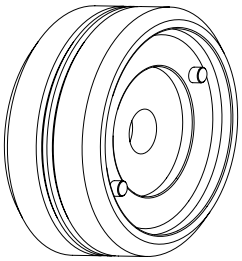
Used for
SNAP male M screw low (front)
SNAP male M screw high (front)

Note
A tool with two pins for screwing the fastener's threaded ring on by hand. An electric assembly tool can be connected to the thread on the reverse side of TOOL 9 for series production.

Use with electric fitting tool:



TOOL 7



Diameter (ø)
40,0 mm

Diameter (threaded hole)
M6

Number of rings
2

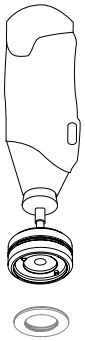
Material
aluminium

Assembly usage
manual or with electric drive

Used for
SNAP female S screw low (back)
SNAP female S screw high (back)
SNAP male M screw low (back)
SNAP male M screw high (back)
SNAP male L screw low (back)
SNAP male L screw high (back)

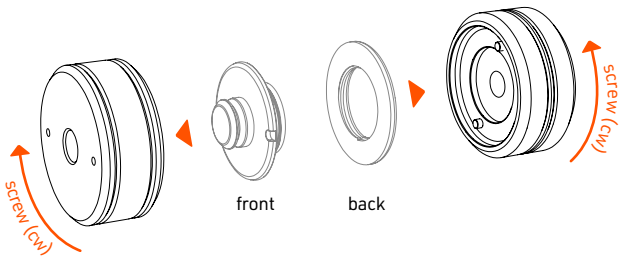
Note
A tool with two pins for screwing the fastener's threaded ring on by hand. An electric assembly tool can be connected to the thread on the reverse side of TOOL 7 for series production.

Use with electric fitting tool:



Fitting

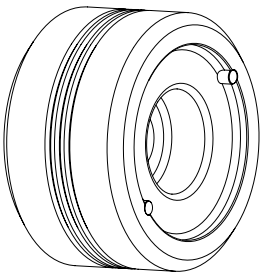
TOOL 9 and TOOL 7 allow easy fitting of many SNAP fasteners and can be used for male and female parts.



In each case, insert the front section into TOOL 9. Next, screw it onto the back section with TOOL 7 by turning clockwise. For fasteners of the SNAP family, it is recommended to assemble the products by hand first and then tighten them with the TOOLs.

* This catalogue uses exemplary illustrations

TOOL 10



Diameter (ø)
44,0 mm

Diameter (threaded hole)
M8

Number of rings
3

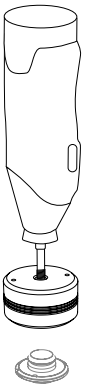
Material
aluminium

Assembly usage
manual or with electric drive

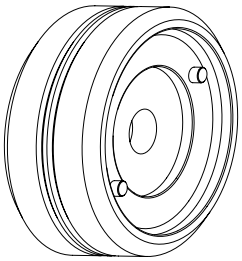
Used for
SNAP male L screw low (front)
SNAP male L screw high (front)
SNAP male L screw cap (front)

Note
A tool with two pins for screwing the male part (upper fastener part) together by hand. An electric assembly tool can be connected to the thread on the reverse side of TOOL 10 for series production.

Use with electric fitting tool:



TOOL 7



Diameter (ø)
40,0 mm

Diameter (threaded hole)
M6

Number of rings
2

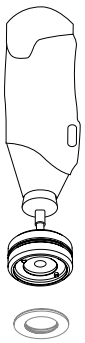
Material
aluminium

Assembly usage
manual or with electric drive

Used for
SNAP female S screw low (back)
SNAP female S screw high (back)
SNAP male M screw low (back)
SNAP male M screw high (back)
SNAP male L screw low (back)
SNAP male L screw high (back)

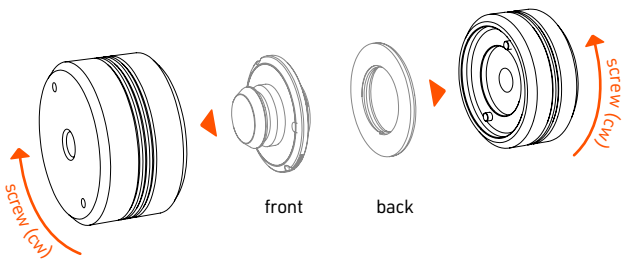
Note
A tool with two pins for screwing the fastener's threaded ring on by hand. An electric assembly tool can be connected to the thread on the reverse side of TOOL 7 for series production.

Use with electric fitting tool:



Fitting

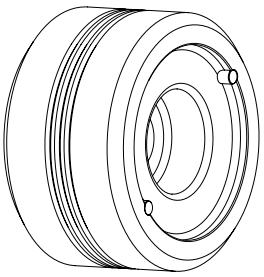
TOOL 10 and TOOL 7 enable the easy fitting of many SNAP fasteners and are useable for both male and female parts.



In each case, insert the front section into TOOL 10. Next, screw it onto the back section with TOOL 7 by turning clockwise. For fasteners of the SNAP family, it is recommended to assemble the products by hand first and then tighten them with the TOOLs.

* This catalogue uses exemplary illustrations

TOOL 10



Diameter (ø)
44,0 mm

Diameter (threaded hole)
M8

Number of rings
3

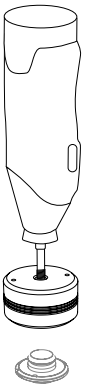
Material
aluminium

Assembly usage
manual or with electric drive

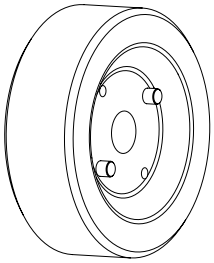
Used for
SNAP male L screw low (front)
SNAP male L screw high (front)
SNAP male L screw cap (front)

Note
A tool with two pins for screwing the male part (upper fastener part) together by hand. An electric assembly tool can be connected to the thread on the reverse side of TOOL 10 for series production.

Use with electric fitting tool:



TOOL 8



Diameter (ø)
40,0 mm

Diameter (threaded hole)
M8

Number of rings
0

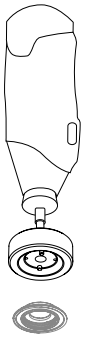
Material
aluminium

Assembly usage
manual or with electric drive

Used for
SNAP female S screw cap (back)
SNAP male L screw cap (back)

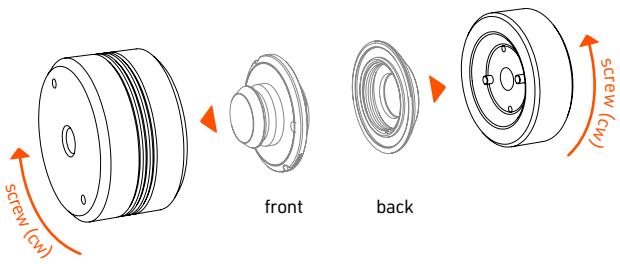
Note
A tool with two pins for screwing the fastener's threaded ring on by hand. An electric assembly tool can be connected to the thread on the reverse side of TOOL 8 for series production.

Use with electric fitting tool:



Fitting

TOOL 10 and TOOL 8 enable the easy fitting of many SNAP fasteners and are useable for the male and female parts.

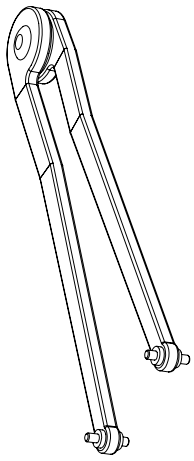


In each case, insert the front section into TOOL 10. Next, screw it onto the back section with TOOL 8 by turning clockwise. For fasteners of the SNAP family, it is recommended to assemble the products by hand first and then tighten them with the TOOLs.

SNAP

* This catalogue uses exemplary illustrations

TOOL 3



Diameter (ø pins)
1,9 mm

Material
burnished steel

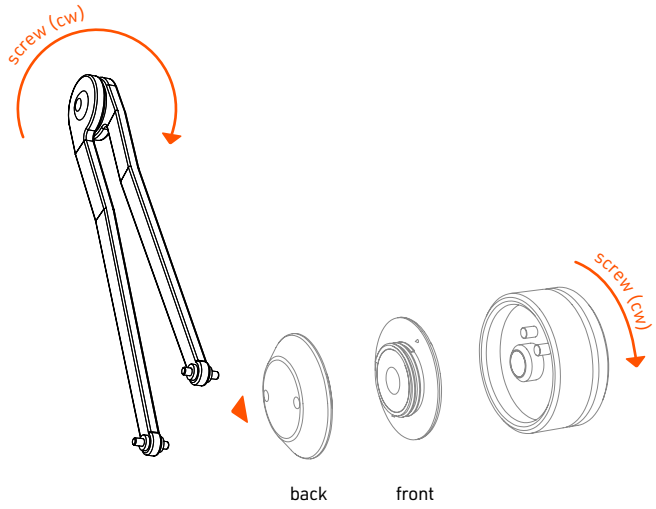
Assembly usage
manual

Note
The adjustable face spanner is used for manual fitting of the male upper fastener parts and the female lower fastener parts of SNAP fasteners. It is also perfect for the assembly of MINI TURN fasteners.

Used for
SNAP male S screw low (back)
SNAP male S screw mid (back)
SNAP male S screw high (back)
SNAP male S screw brass (alu) low (back)
SNAP male S screw brass (alu) high (back)
SNAP male S screw low alu (back)
SNAP male S screw high alu (back)
SNAP female S screw low (back)
SNAP female S screw high (back)
SNAP female S screw cap (back)
SNAP male M screw low (front/back)
SNAP male M screw high (front/back)
SNAP male M retractable screw (back)
SNAP female M inset screw (back)
SNAP female M screw (back)
SNAP male L screw low (back)
SNAP male L screw high (back)
SNAP male L screw cap (back)
SNAP male L retractable (back)
SNAP female L screw (back)
SNAP female L screw extra grip (back)

Fitting

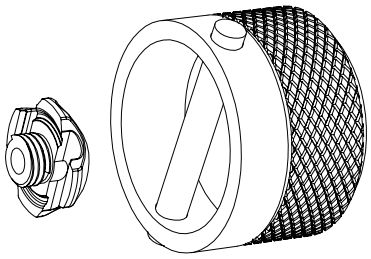
TOOL 3 allows easy fitting of SNAP fasteners using a single tool and is useable for male and female parts.



First, loosely screw the back section onto the thread of the front section by hand. Next, insert TOOL 3 into the back section and use it to tighten it.

* This catalogue uses exemplary illustrations

TOOL 18



Diameter (ø)
36 mm

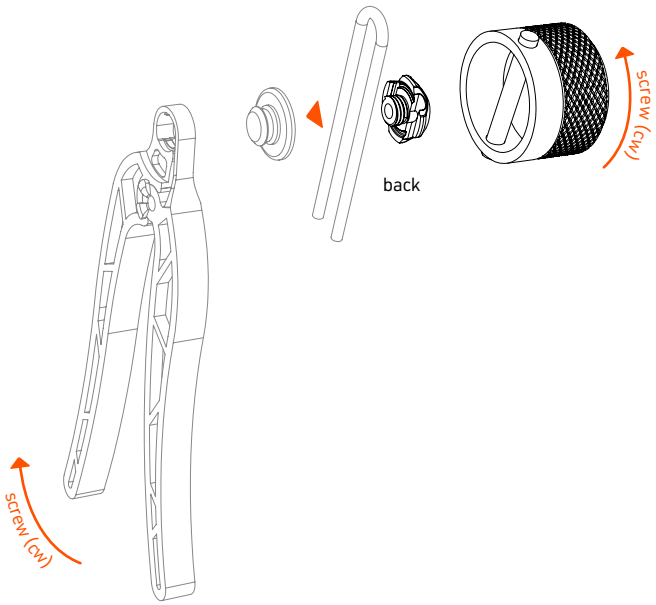
Material
aluminium

Assembly usage
manual

Used for
SNAP male S rope (back)

Fitting

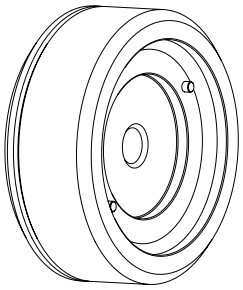
TOOL 18 is used to tighten and attach the front part of the SNAP male S rope to its counterpart.



First, screw the front section onto the back section by hand. Then, place the upper part of the SNAP male S rope onto TOOL 18 and turn clockwise to tighten.

* This catalogue uses exemplary illustrations

TOOL 1



Diameter (ø)
52,0 mm

Diameter (threaded hole)
M8

Number of rings
1

Material
aluminium

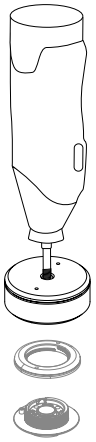
Assembly usage
manual or with electric drive

Used for
SNAP female M screw (back)

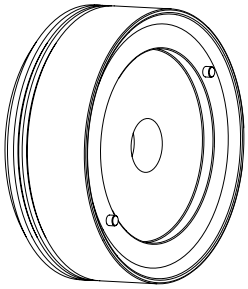
Note
A tool with two pins for screwing the fastener's threaded ring on by hand. An electric assembly tool can be connected to the thread on the reverse side of TOOL 1 for series production.

As an alternative to combining TOOL 1 and TOOL 2, TOOL 3 can be used.

Use with electric fitting tool:



TOOL 2



Diameter (ø)
52,0 mm

Diameter (threaded hole)
M8

Number of rings
2

Material
aluminium

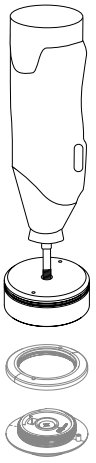
Assembly usage
manual or with electric drive

Used for
SNAP male L retractable (back)
SNAP female L screw (back)
SNAP female L screw extra grip (back)

Note
A tool with two pins for screwing the fastener's threaded ring on by hand. An electric assembly tool can be connected to the thread on the reverse side of TOOL 2 for series production.

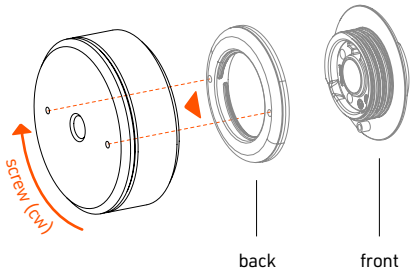
As an alternative to combining TOOL 1 and TOOL 2, TOOL 3 can be used.

Use with electric fitting tool:



Fitting

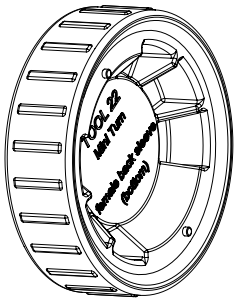
TOOL 1 offers easy fitting of the SNAP female M screw and TOOL 2 is used to assemble the SNAP female L screw.



First, screw the back section of the SNAP female M screw/SNAP female L screw onto the front section by hand. Next, insert the back section into TOOL 1/TOOL 2 and turn clockwise to tighten.

* This catalogue uses exemplary illustrations

TOOL 22



Diameter (ø)
54,0 mm

Material
PA66-GF

Assembly usage
manual

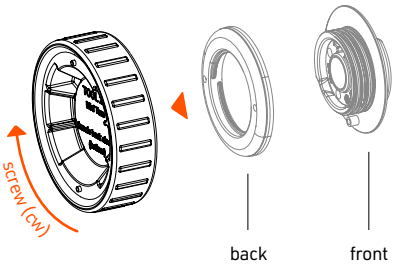
Used for
SNAP female M screw (back)
SNAP male L retractable (back)
SNAP female L screw (back)
SNAP female L screw extra grip (back)

Note
TOOL 22 combines TOOL 1 and TOOL 2, allowing assembly of the SNAP female M screw with a single tool.

This tool is not suitable for mass production. It is a versatile tool for the fitting of sample quantities.

Fitting

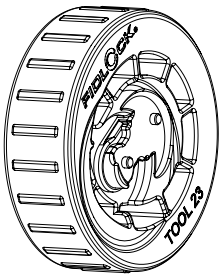
The SNAP female M screw is fitted in two simple steps using a signle tool, TOOL 22.



First, screw the back section of the SNAP female M screw onto the front section by hand. Next, insert the back section into TOOL 22 and turn clockwise to tighten.

* This catalogue uses exemplary illustrations

TOOL 23



Diameter (ø)
49,5 mm

Material
glass-fibre-reinforced nylon

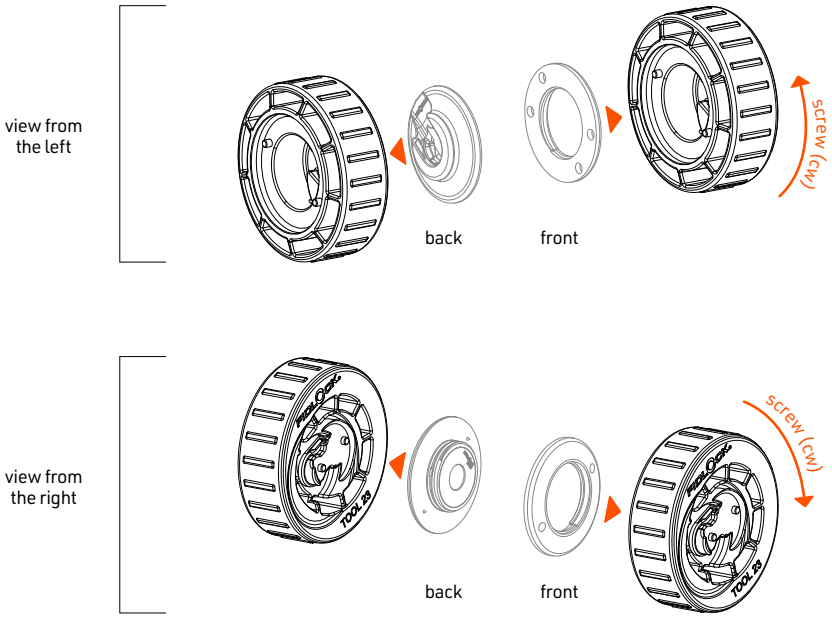
Assembly usage
manual

Note
This tool is not suitable for mass production. It is a convenient tool for assembling samples. Please use TOOL 5, TOOL 6 and TOOL 7 for mass production.

Used for
SNAP male S screw low (back)
SNAP male S screw mid (back)
SNAP male S screw high (back)
SNAP male S screw brass (alu) low (back)
SNAP male S screw brass (alu) high (back)
SNAP male S screw low alu (back)
SNAP male S screw high alu (back)
SNAP female S screw low (front/back)
SNAP female S screw high (front/back)
SNAP female S screw cap (front)
SNAP male M screw low (back)
SNAP male M screw high (back)
SNAP male L screw low (back)
SNAP male L screw high (back)

Fitting

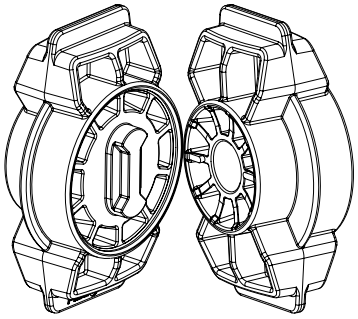
TOOL 23 combines TOOL 5, TOOL 6 and TOOL 7. This tool is usable for all the SNAP male and female S fasteners as well as the male M and L fasteners. When using it for the male and female SNAP fasteners, we recommend purchasing TOOL 23 twice for quick and efficient assembly.



First, screw the components together by hand. Then place the female/male part of the fastener into the tool and turn clockwise to tighten.
Tip: When holding the other part of the fastener with a piece of leather or non-slippery fabric, the assembly is quicker and easier on your hands.
This tool is not suitable for mass production. It is a convenient tool for assembling samples.

* This catalogue uses exemplary illustrations

TOOL 31



Dimensions (L×W×H)
82,0 × 55,0 × 30,0 mm

Material
glass-fibre-reinforced nylon

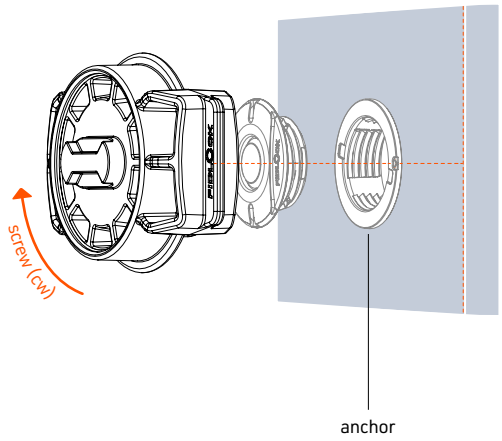
Assembly usage
manual

Used for
SNAP male M retractable anchor
SNAP male M retractable screw
SNAP female M inset anchor
SNAP female M inset screw

Note
TOOL 31 is a convenient tool that can be used for the assembly of the SNAP male M retractable components and the SNAP female M inset components.

Fitting

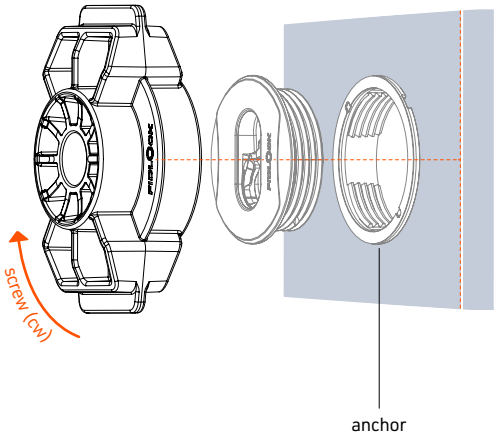
TOOL 31 is a convenient tool that was designed for quick, efficient and easy assembly of the SNAP male M retractable fastening components and the SNAP female M inset counterparts. Additionally, TOOL 31 helps with the perfect alignment of the logo on the fasteners.



SNAP male M retractable anchor

- First, prepare a hole with a recommended hole circle diameter of 26 mm on the designated surface.
- Press the anchor into the hole. Position the logo alignment marking in such a way that the logo of the fastener is aligned horizontally and not upside down after assembly. Additionally, the marking should be oriented perpendicular to an edge.
- Next, place the SNAP male M retractable onto the male side of TOOL 31. Finally, use it to screw it into the anchor (clockwise) and align the logo.

Note
Please also observe the logo marking on TOOL 31 and the logo on the SNAP male M retractable. When placing the fastener in the tool, the respective logos should be on top of each other. You can find detailed assembly drawings in the **assembly guide**.

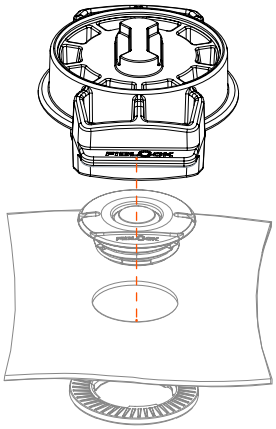


SNAP female M inset anchor

- First, prepare a hole with a recommended hole circle diameter of 40 mm on the designated surface.
- Press the anchor into the hole, allowing the SNAP female M inset fastening component to be screwed into the hole.
- Place the SNAP female M inset onto the female side of TOOL 31. Now, you can screw the SNAP female M inset into the anchor (clockwise) and align it.

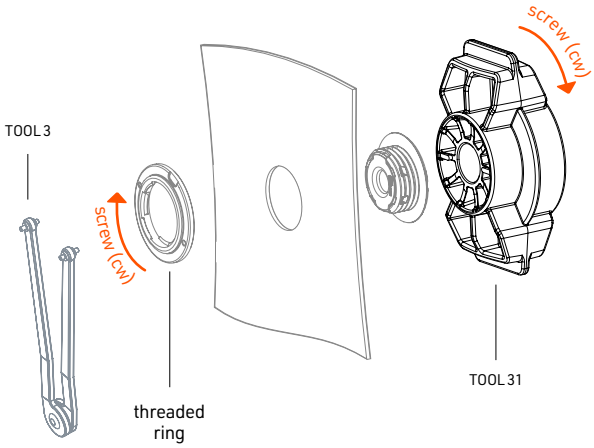
Note
Please also observe the logo marking on TOOL 31 and the logo on the SNAP female M inset. When placing the fastener in the tool, the respective logos should be on top of each other. You can find detailed assembly drawings in the **assembly guide**.

* This catalogue uses exemplary illustrations



SNAP male M retractable screw

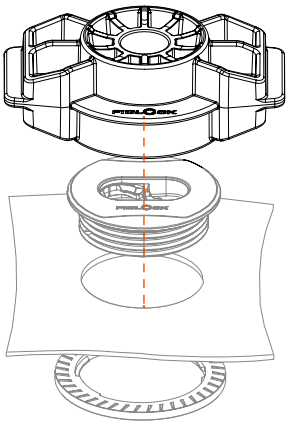
- First, prepare a hole in the designated surface for the SNAP male M retractable screw. We recommend a hole circle diameter of 24 mm.
- Next, insert the fastening component into the hole and hold it in place with the male side of TOOL 31.



- Finally, use TOOL 3 or a face spanner to screw the threaded ring onto the SNAP male M retractable from behind by turning clockwise.

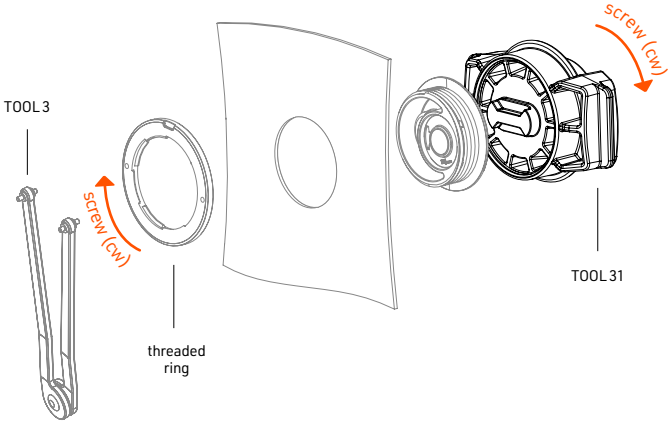
Note
For correct alignment, please observe the logo marking on TOOL 31. The logo on TOOL 31 and the logo on the fastening component should be on top of each other. You can find detailed assembly drawings in the **a**ssembly guide.

The SNAP male M retractable screw is designed for a material thickness of 0,2 - 4,5 mm.



SNAP female M inset screw

- First, prepare a hole on the designated surface for the SNAP female M inset screw. We recommend a hole circle diameter of 38 mm.
- Next, insert the fastening component into the hole and hold it in place with the female side of TOOL 31.

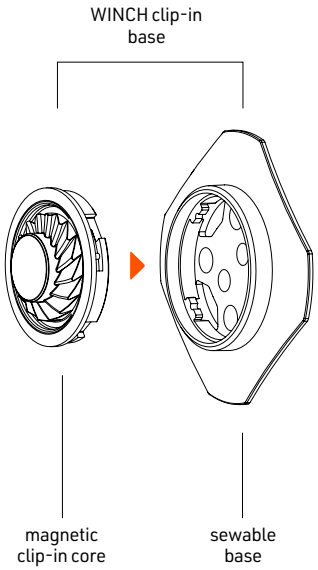


- Finally, use TOOL 3 or a face spanner to screw the threaded ring onto the SNAP female M inset from behind by turning clockwise

Note
For correct alignment, please observe the logo marking on TOOL 31. The logo on TOOL 31 and the logo on the fastening component should be on top of each other. You can find detailed assembly drawings in the **assembly guide**.

The SNAP female M inset screw is designed for a material thickness of 0,2 - 7,0 mm.

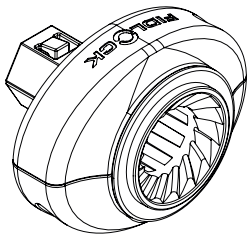
* This catalogue uses exemplary illustrations



TOOLS for WINCH fasteners

WINCH fasteners are the ideal solution for applications that require high flexibility, intuitiveness and adjustability. Some fastener parts are fitted using sturdy tools, such as the WINCH clip-in core. The WINCH consists of a base and a handle. Product designers receive ideal properties for production in the factory or the manual manufacturing of individual product samples, thanks to our diverse product variations and tool selection. The magnetic core of the WINCH clip-in base can be inserted at the end of production to improve handling and speed up processes or to protect the magnet from e.g. heat treatment.

TOOL30-R



Dimensions (L×W×H)
37,6 × 27,9 × 27,5 mm

Material
Stainless Steel, PA66GF40, NdFeB

Assembly usage
with 10 mm hex nut and driver/ratchet

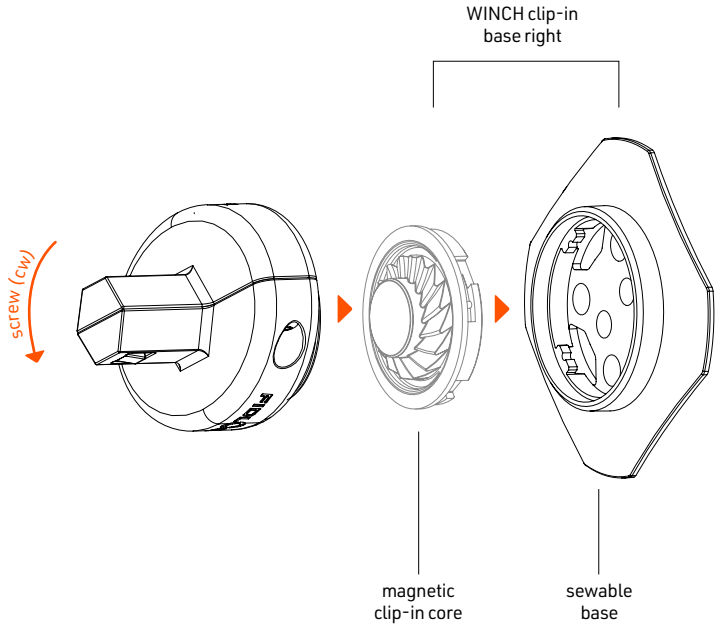
Used for
WINCH clip-in base right

Note
This tool is also available as TOOL30-L for the WINCH clip-in base left. TOOL30-R is only suitable for the assembly of the WINCH clip-in base right.

TOOL 30 is used to insert the magnetic core into the base of the WINCH clip-in base. This improves handling during production.

Fitting

The WINCH clip-in base allows you to insert the magnetic clip-in core at the end of the production of your product. This protects the magnet from e. g. heat treatment during production or facilitates diverse processes. TOOL 30 is used to pick up the clip-in core and insert it into the sewable base with ease. This tool is available as TOOL 30-L for the WINCH clip-in base left (counterclockwise rotation) and TOOL30-R for the WINCH clip-in base right (clockwise rotation).



1. Sewing the base

- Punch a hole with a diameter of 26 mm into the material (max. material thickness 3,0 mm).
- Insert the sewable base into the hole from below and sew it to the material. Stitch around the ring of the base that will hold the clip-in core.
- Now, you can complete all production processes for your product that are easier without a magnet or could damage the magnet (e.g. further sewing processes or heat treatment).

Note
Make sure that the area inside the ring where the magnetic core will be inserted is not covered.

You can find detailed step-by-step instructions with explanatory images in the **WINCH clip-in base assembly guide.**

2. Inserting the magnetic core (clip-in core)

- For easy handling, place TOOL30 on a 10 mm hex nut and a driver/ratchet.
- Check the turning direction and position of the magnetic clip-in core. ATTENTION: The clip-in core isn't removable after fitting!
- Insert the magnetic clip-in core into the sewable base and use TOOL30 to lock it in place by turning counterclockwise for the WINCH clip-in base right and clockwise for the WINCH clip-in base left.

Note
When inserting the magnetic clip-in core, make sure that you use the TOOL30 for the correct turning direction: TOOL30-R for the WINCH clip-in base right and TOOL30-L for the clip-in base left (observe the corresponding L & R markings on the tool and the bottom of the magnetic core.

* This catalogue uses exemplary illustrations

Liability limitation

The manufacturer of end products in which FIDLOCK fasteners are used is solely responsible for carefully checking the suitability of FIDLOCK products for the respective application. FIDLOCK is not responsible for any kind of damage caused e.g. by misuse, modification and repair or for suitability instructions and the specification of a breaking load. Any specification of breaking load in sales catalogues is a voluntary, non-binding specification and does not replace any test by the manufacturer of end products on the suitability of FIDLOCK products for the respective application.

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#fidlockmoment
@fidlock.components
f @fidlock
www.fidlock.com
info@fidlock.com

FIDLOCK GmbH
Kirchhorster Str. 39
30659 Hannover
Germany

TOOLS catalogue
EN / v1.2 / 230606

fidlock.com