

female



momentum

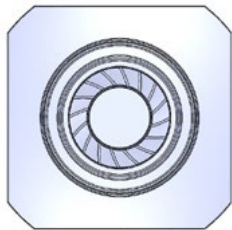


elegance

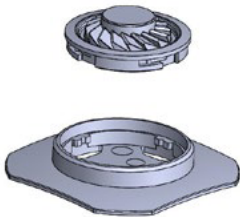


compact

male



base



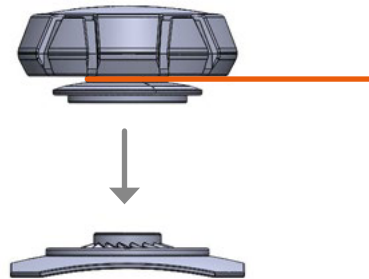
clip-in base

SET article numbers
every set contains a male and female part

- F1500-L00012(BLK)
- F1500-R00012(BLK)
- F1510-L00002(BLK)
- F1510-R00002(BLK)
- F1520-L00002(BLK)
- F1520-R00002(BLK)
- F1540-L00002(BLK)
- F1540-R00002(BLK)
- F1550-L00002(BLK)
- F1550-R00002(BLK)
- F1560-L00012(BLK)
- F1560-R00012(BLK)

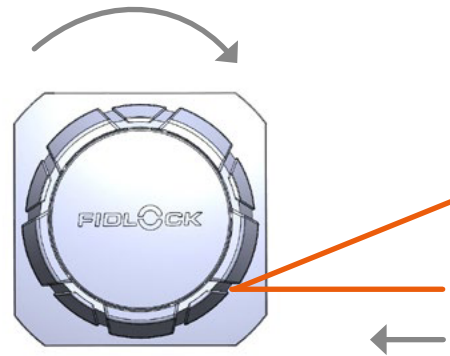
how WINCH works

The following information
are valid for all models.



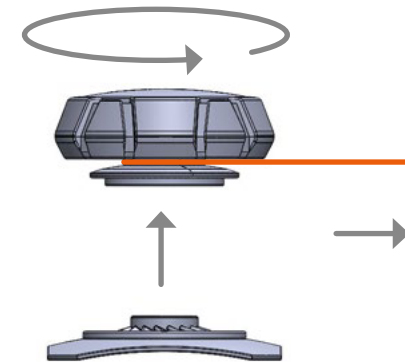
engaging

Handle and base engage
by magnetic attraction.



tightening

Tighten the lace by
turning handle.

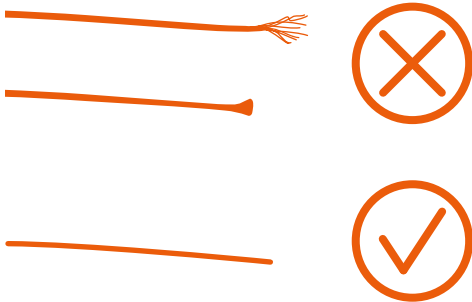


unspooling

Detach the handle from
the base by lifting/tilting
and unspool the lace.

laces and lacing

laces

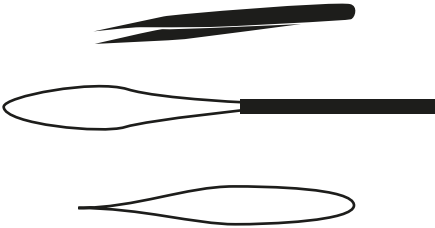
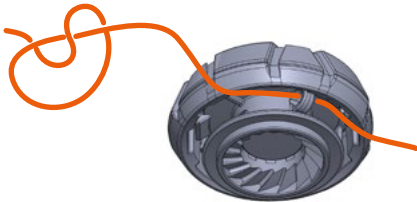


Prepare the rope so it has no open end.
When using heat cutter, avoid to create flat end.

We recommend to use a synthetic fiber lace with smooth surface.

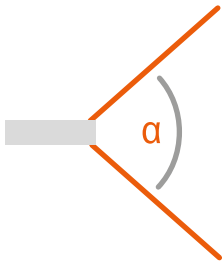
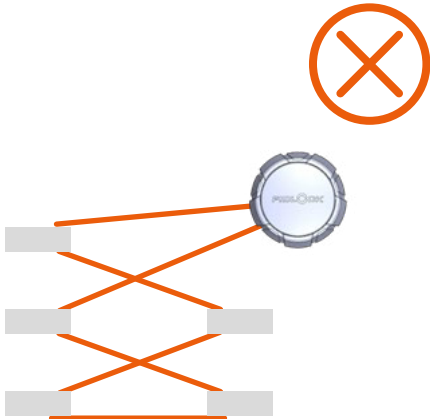
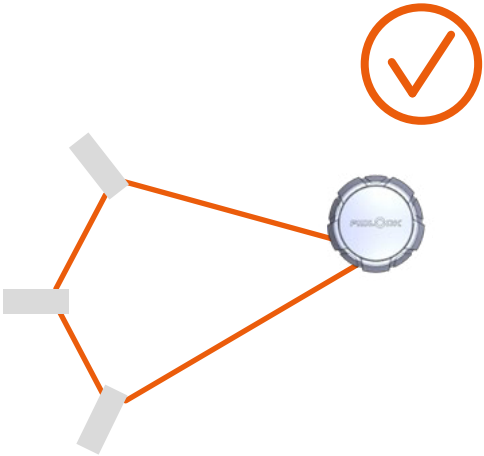
We recommend to NOT use pure cotton lace, uncoated steel wire or too stiff laces.

tools



To speed up the rope assembly you might want to use additional tools like tweezers, hair extension needles or beading needles. These are not included.

laces and lacing



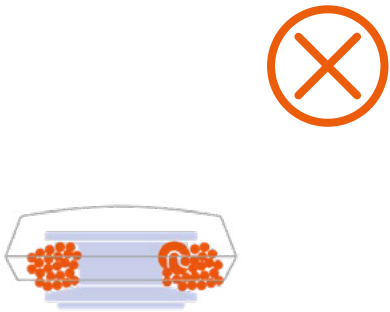
flat angles and fewer redi-
rections of the lace lower
the friction between lace
and laceguide, plastic or
webbing



lace too short



lace too long



too much lace

define lace length as long as
necessary and as short as
possible

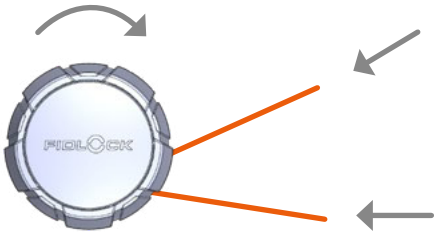
make sure lace length
matches spool capacity

application and testing



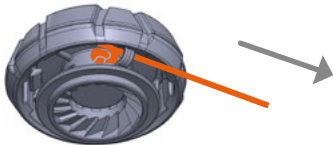
make sure lace has enough room to move freely

do not block surroundings of handle with other structures

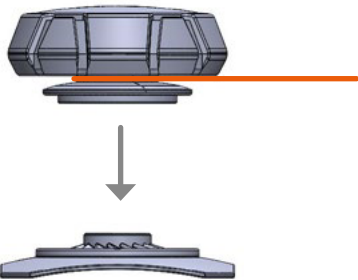


lace will be pulled in direction of closing

make sure to chose version turning the direction which is most sufficient for your lacing design

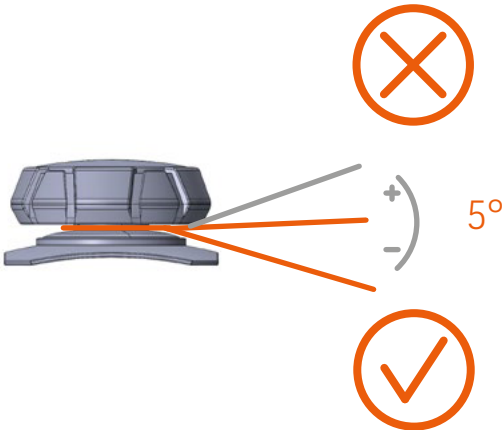


make a pull test to verify that the connection is strong enough to fit your requirements.



make sure handle can fully engage with base by magnetic attraction

conduct performance tests on application under real conditions



angle of lace leaving the handle in closed state should not exceed +5°

ASSEMBLY GUIDE

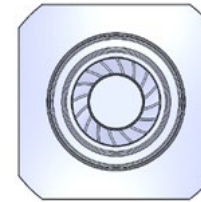
WINCH momentum/ elegance

female left/right

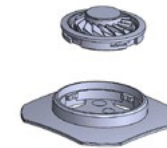


- winch momentum and elegance offer the same technology with a different handle design
- featuring a ratchet mechanism
- available in left and right turning direction

contained/ included in the following SETs
(incl. compatible male part)



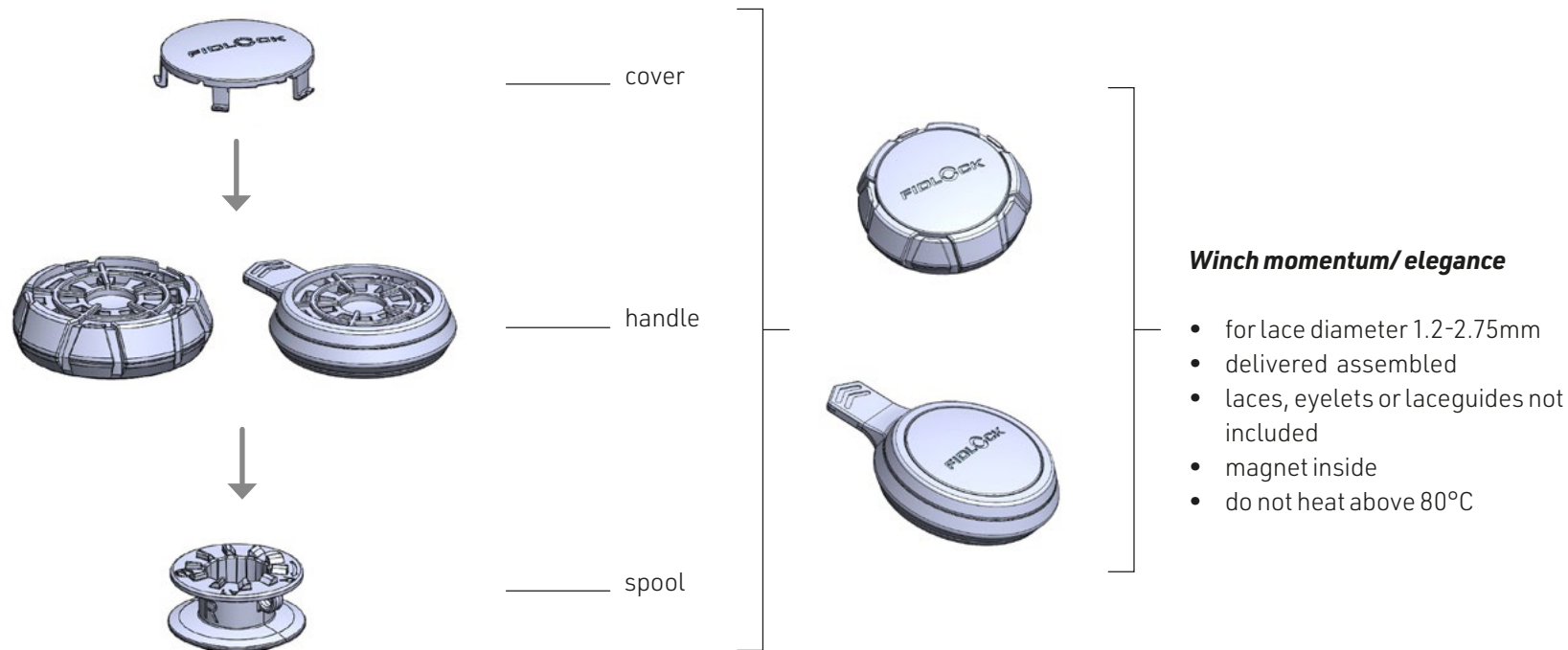
- F1500-L00012(BLK)
- F1500-R00012(BLK)
- F1510-L00002(BLK)
- F1510-R00002(BLK)



- F1560-L00012(BLK)
- F1560-R00012(BLK)
- F1550-L00002(BLK)
- F1550-R00002(BLK)

WINCH momentum/ elegance

Overview

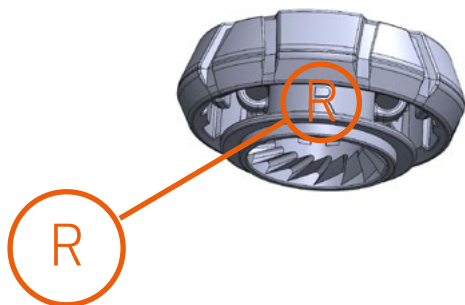


ASSEMBLY GUIDE

WINCH momentum/ elegance

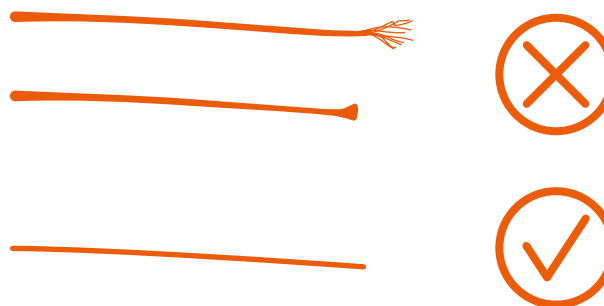
rope assembly

1



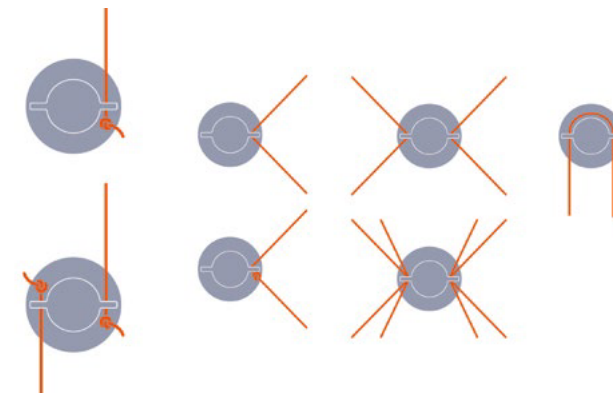
Make sure you have the desired turning direction
(L= left, R= right).

2



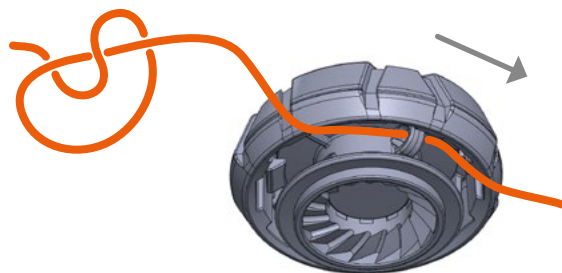
Prepare the rope so it has no open end.
When using heat cutter, avoid to create flat end.

3



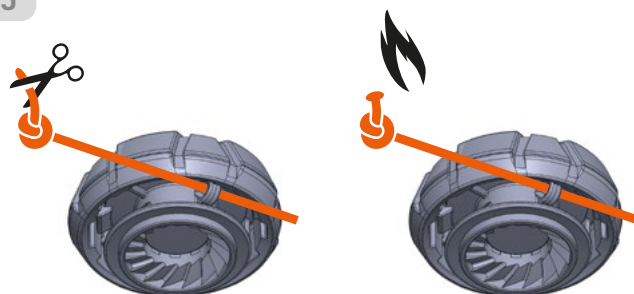
Use one of the those ways to lace winch compact.
Consider spool capacity.
We recommend using one of the first two options.

4



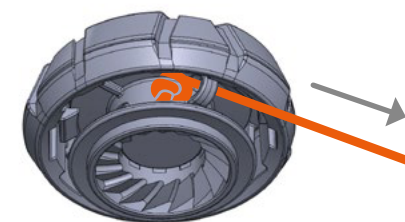
Insert lace through the eyelet against direction of pull.
Tie overhand knot.

5



Trim the knots tail and melt the end. Do not melt the knot.
Pull rope tight to seat knot into recess.

6

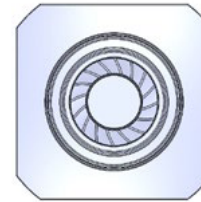


Make sure the spool still rotates freely & is not blocked
by the knot. Make a pull test to verify that the connection
is strong enough to fit your requirements.

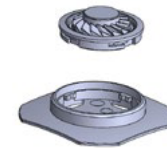


- reduced height and smaller diameter for low profile application
- available in left and right turning direction

contained/ included in the following SETs
(incl. compatible male part)



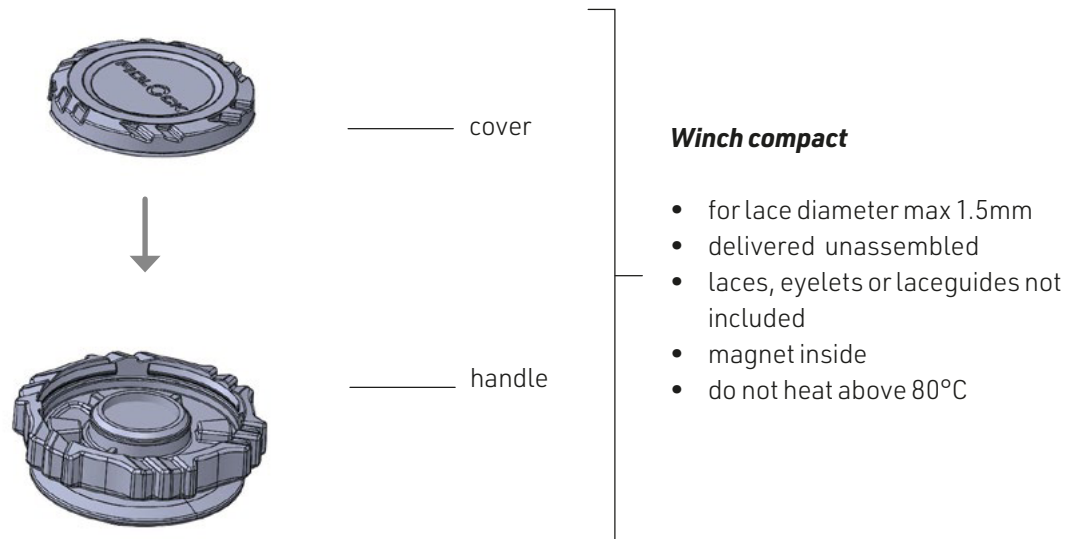
- F1520-L00002(BLK)
- F1520-R00002(BLK)



- F1540-L00002(BLK)
- F1540-R00002(BLK)

WINCH compact

Overview

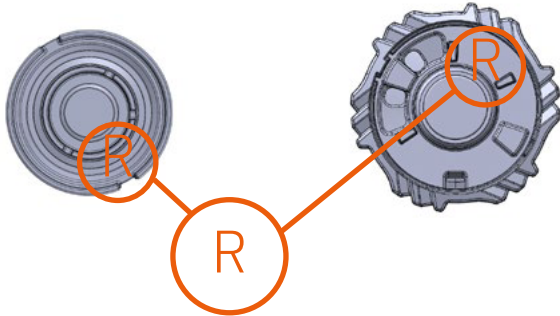


ASSEMBLY GUIDE

WINCH compact

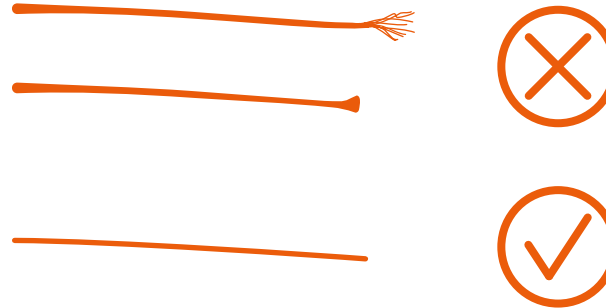
rope assembly

1



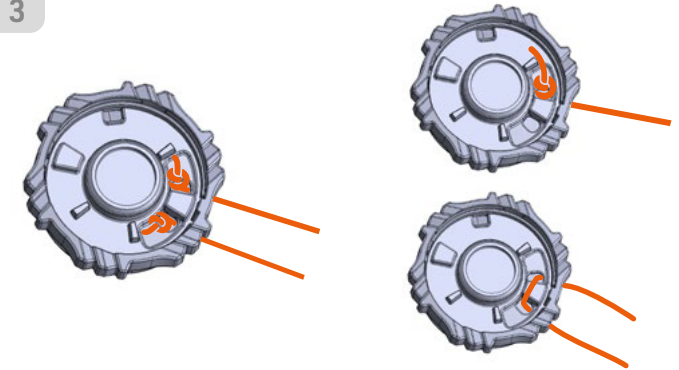
Make sure cover and handle are the same turning direction (L= left, R= right). Left cover does not fit right handle and vice versa.

2



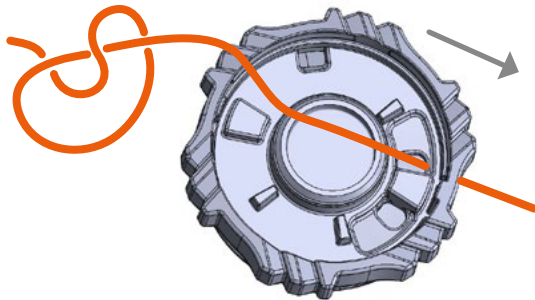
Prepare the rope so it has no open end.
When using heat cutter, avoid to create flat end.

3



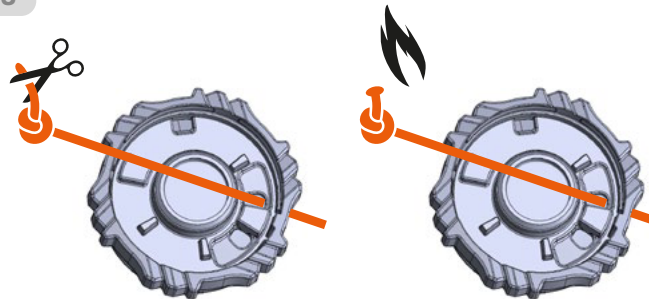
Use one of the three ways to lace winch compact.
Notice that two ropes decrease spool capacity.

4



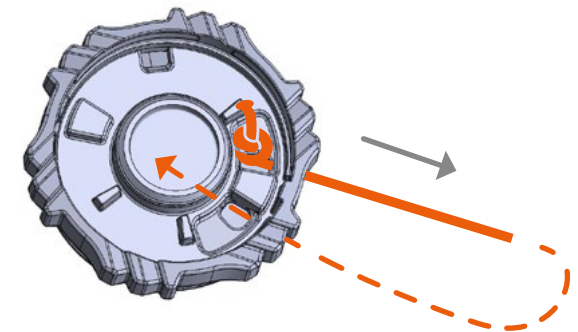
Insert lace through the hole.
Tie overhand knot.

5



Trim the knots tail and melt the end.
Do not melt the knot.

6



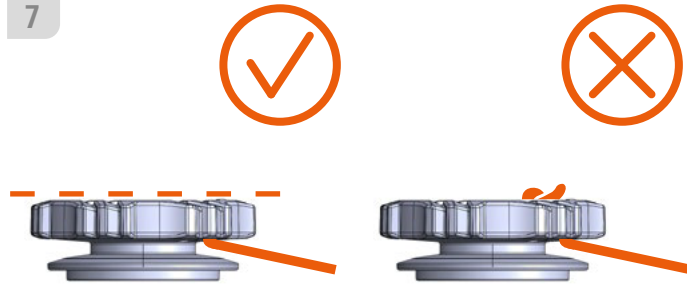
Pull rope tight to seat knot into recess.
For a lace loop and a second knot take the end of the lace
and insert it from underneath, repeat step 5 for the knot.

ASSEMBLY GUIDE

WINCH compact

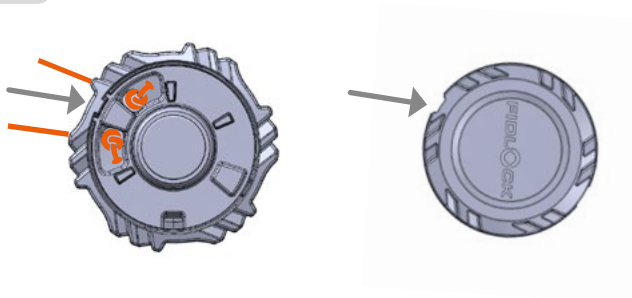
rope assembly

7



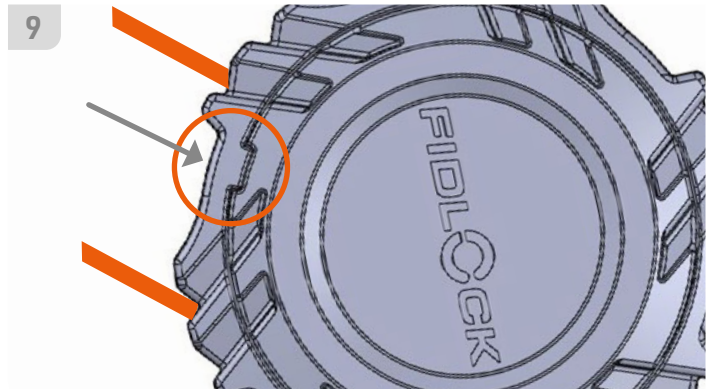
Make sure the knots do not extend over the handle edge.

8



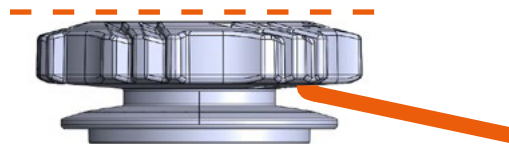
The cover can only be assembled in one position.
Make sure the notch is positioned correctly!

9



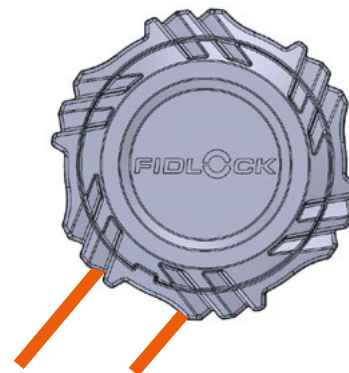
Insert the cover starting with the notch, then press down to engage.

10



Check the correct assembly of the cover from the side, it is supposed to be flush with the handle edge. If this is not the case please check if the knots are too large.

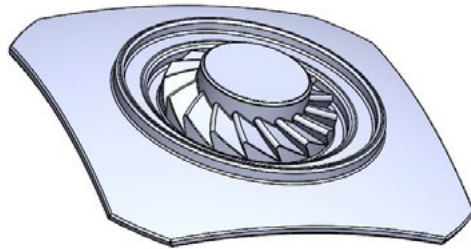
11



Check correct position of cover again. Make a pull test to verify that the knot is big enough and the systems strength fits your requirements.

WINCH base

male left/right



- standard stitchable base part
- available in left and right turning direction

contained/ included in the following SETs
(incl. compatible female part)



- F1500-L00012(BLK)
- F1500-R00012(BLK)



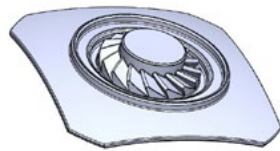
- F1510-L00002(BLK)
- F1510-R00002(BLK)



- F1520-L00002(BLK)
- F1520-R00002(BLK)

WINCH base

Overview



base

WINCH base

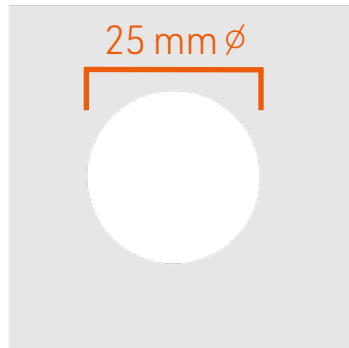
- standard stitchable base part
- available in left and right turning direction
- magnet inside
- do not heat above 80°C

ASSEMBLY GUIDE

WINCH base

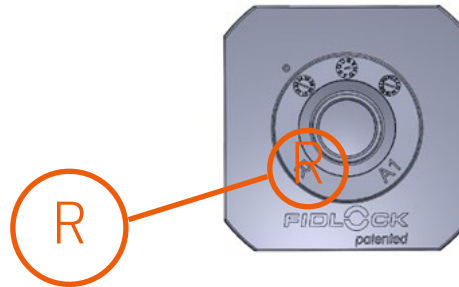
assembly

1



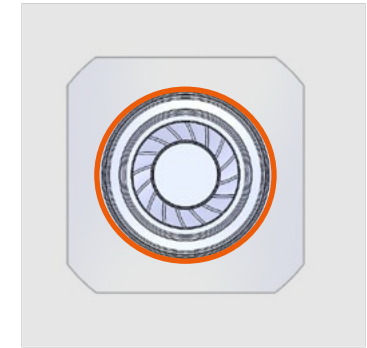
Start by making a hole of 25mm diameter into the fabric.

2



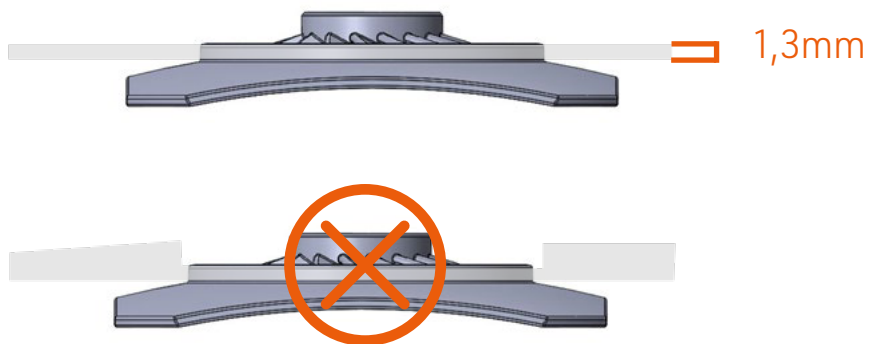
Find the turning direction marking on the back of the base part. Always doublecheck before proceeding.

3



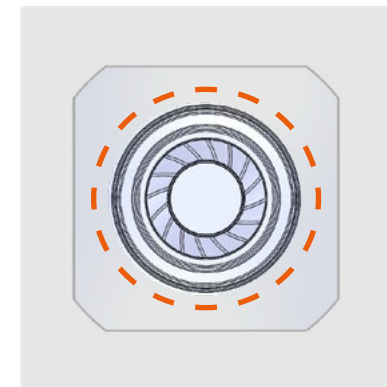
Place the base part from behind.
Do not cover geometry inside the ring!

4

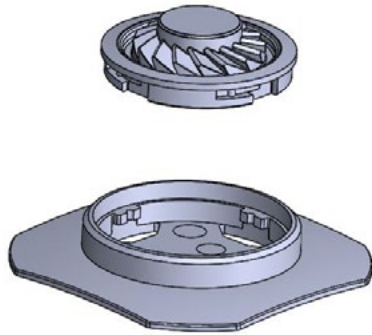


Fabric material thickness should not exceed 1,3mm.
Area around base part should not be higher than the ring.

5



Stitch around the ring. We recommend to use leather needles and synthetic thread.
If it is hard to stitch soak base in water for a couple of hours before stitching.



- allows to assemble the magnetic part at the very end of the production process
- delivery as two separate parts
- assembly requires TOOL30 of our TOOLS catalogue

contained/ included in the following SETs
(incl. compatible female part)



- F1560-L00012(BLK)
- F1560-R00012(BLK)



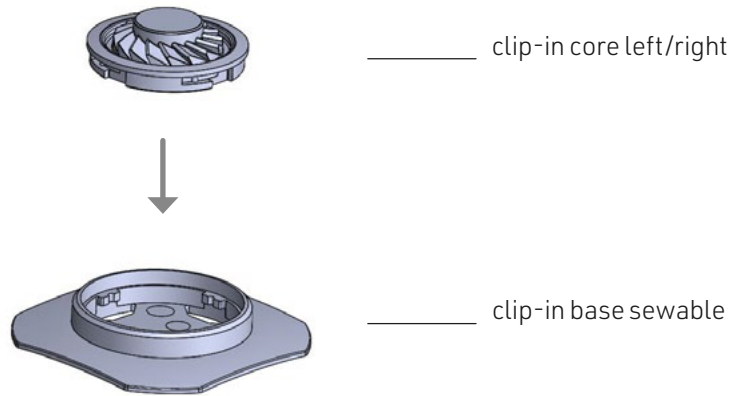
- F1550-L00002(BLK)
- F1510-R00002(BLK)



- F1540-L00002(BLK)
- F1540-R00002(BLK)

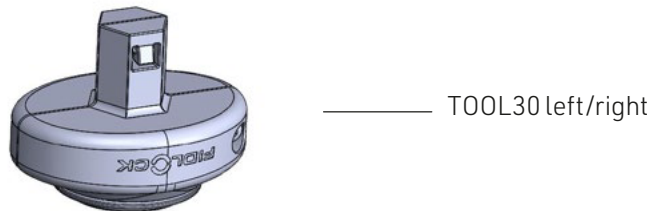
WINCH clip-in

Overview



WINCH clip-in

- available in left and right turning direction
- sewable base part
- base part is the same for left and right turning core
- magnet inside clip-in core - do not heat above 80°C



TOOL30

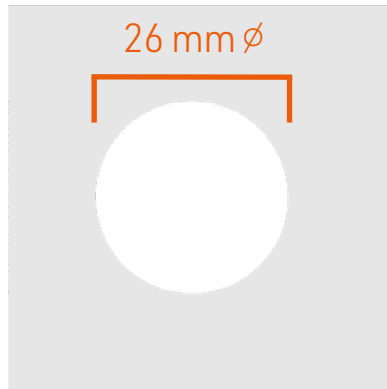
TOOL30-R, TOOL30-L

- available for left and right turning direction
- TOOL30 is not included, please order separately
- use 10mm hexnut and driver or ratchet to operate the tool
- please only assemble once!
- disassembly might damage the parts

ASSEMBLY GUIDE

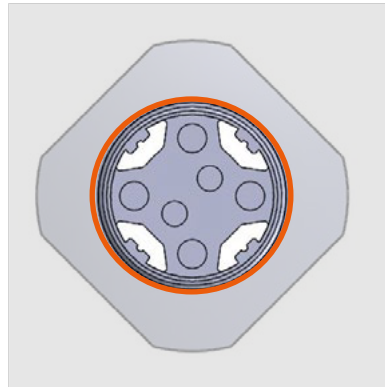
WINCH clip-in assembly

1



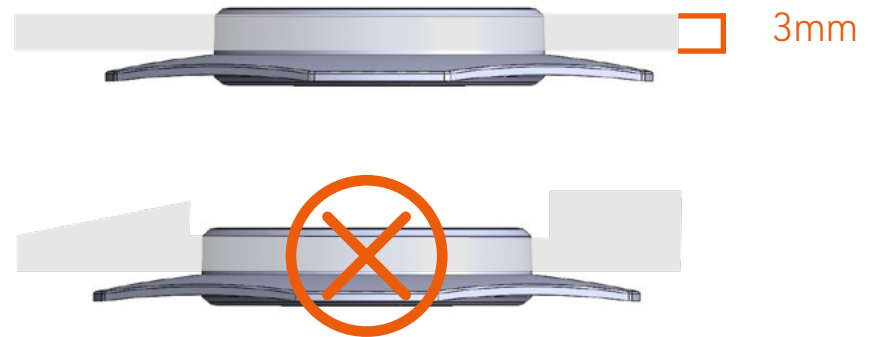
Start by making a hole of 26mm diameter into the fabric.

2



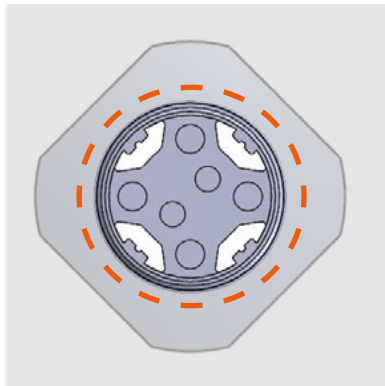
Place the base part from behind.
Do not cover geometry inside the ring!

3



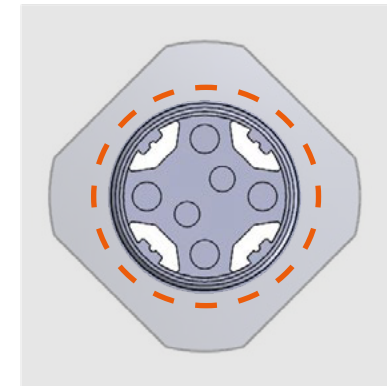
Fabric material thickness should not exceed 3mm.
Area around base part should not be higher than the ring.

4



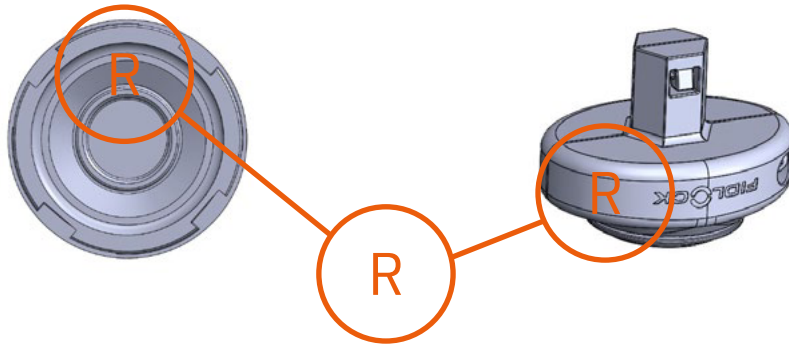
Stitch around the ring. We recommend to use leather needles and synthetic thread.
If it is hard to stitch soak base in water for a couple of hours before stitching.

5



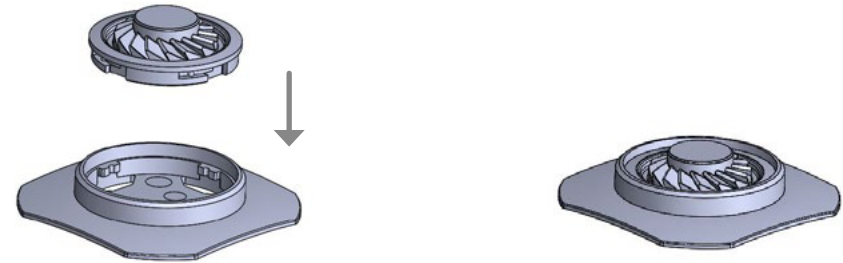
Finish any work on your product that might damage the magnet or is easier to do without a magnet on it, e.g. heat treatment, sewing etc.

6



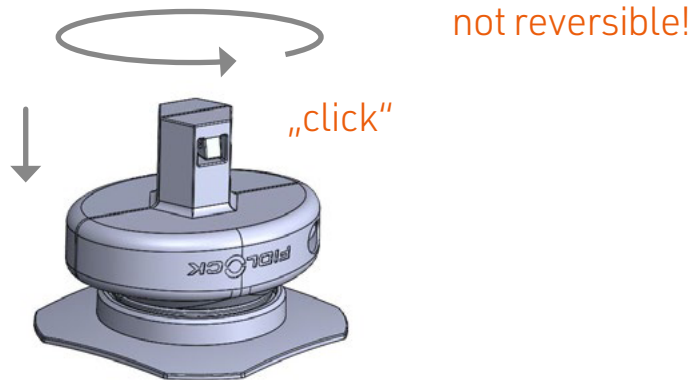
Check the turning direction and choose tool accordingly.

7



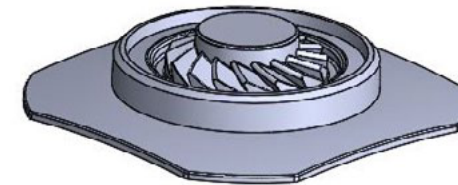
Position the core in the base part.
The base part is the same for left and right turning cores. Check turning direction.
The next step is not reversible without damaging the parts!

8



Use the TOOL30 with a 10mm hexnut and driver/ ratchet for easy assembly.
Turn cw for right turning core and ccw for left turning core.

9



Check the connection and function.