SPORTENZIA

USER GUIDE

TOOPRE INTERNAL CABLE ROUTING TOOL

Magnetic kit for running housings, Di2 cables and hydraulic hoses through a frame with internal routing, without scratching the paint. Contents, method, hose finishing and troubleshooting.

REF. GUIDSTANDARD · PORTS OF 6 MM MINIMUM · ALUMINIUM, STAINLESS STEEL, MAGNETS



01 · GETTING STARTED

CONTENTS, COMPATIBILITY, ROUTING A CABLE

In the box

- Two main aluminium guide magnets (standard model and storage model).
- A cable with guide magnet and a coated pull cord that will not scratch the frame.
- A quick pull adapter, a connector for Di2 E-tube cable and metal connectors.

What the tool does

Held against the frame, the main magnet pulls the magnetic tip of the guide cable through the tube wall. Sliding it from one port to the other drags the tip through the tube, followed by the housing, hose or Di2 cable fixed behind it with a fitting. On a steel frame, the magnet sticks to the tube and guides nothing: the tool is not suitable.

Routing a cable

1. **Prepare the frame** bike on a workstand. Locate the entry and exit ports: they must be at least 6 mm across.
2. **Fit the end** push the quick pull adapter into the housing or hose, or seat the end of the Di2 cable in its connector. Pull on it: it must hold.
3. **Connect the guide** join the fitting to the cable with guide magnet, then feed the magnetic tip into the entry port.
4. **Guide with the magnet** place the main magnet on the frame above the tip and slide it slowly towards the exit. The tip follows inside the tube.
5. **Pull through** when the tip reaches the exit, grab it and pull gently while feeding the housing in at the entry. Then take the fitting off.

Specifications

Uses	**5 mm brake housing, Di2 E-tube cable, hydraulic hose**	Ports	**6 mm minimum**
Materials	**Aluminium, stainless steel, magnets**	Colour	**Blue**
Box	**90 × 67 × 30 mm**	Weight	**About 58 g, box included**

SAFETY

- Strong magnets: keep them away from pacemakers, bank cards and electronic devices.
- Keep small parts and magnets away from children: they are dangerous if swallowed.
- After working on the brakes, check they work, while stationary, before riding.

BEFORE YOU START

- Clean and dry the frame: a grain of sand under the magnet scratches the paint.
- Remove the old cable only once the tool is ready: the new one takes the same route.
- For a hydraulic hose, have what you need to trim it, remake the connection and bleed the brake.

02 · DAY TO DAY

PARTS, FINISHING, TROUBLESHOOTING

The parts and what they do

Quick pull adapter	Goes into the housing or hose. First choice.
Di2 E-tube connector	Takes the end of the electric cable without forcing it.
Metal connectors	Tight or curved routes, when the quick adapter is not enough.
Cable with magnet	The tip the magnet drags through the tube.
Main magnet	Slides along the outside of the frame and guides the tip.
Pull cord	Pulls along the whole length without scratching the paint.

Hydraulic hose: after routing

- Cut 10 mm off the end where the fitting was inserted: the deformed section would leak oil.
- Then remake the hose connection and bleed the brake, or have a workshop bleed it.

If something goes wrong

SYMPTOM	LIKELY CAUSE	FIX
Tip does not follow the magnet	Magnet moved too fast	Go back to the tip, move slowly without lifting the magnet
Tip gets stuck	Bend or internal wall	Back off, twist the housing, try a metal connector
Fitting comes off inside the frame	Fitting not pushed in far enough	Retrieve it with the magnet, push it back in or change connector
Magnet has no effect	Steel frame	The tool does not suit this frame



The metal connectors, for difficult routes.

DO NOT

- Use the tool on a steel frame or a port smaller than 6 mm.
- Yank the cable: the fitting may stay inside the frame.
- Let brake fluid dry on the frame.

Care

- Wipe the parts after use and store them in their box, without kinking the pull cord.

Need help?

sportenzia.com/pages/contact

Our team answers your questions about using the tool.