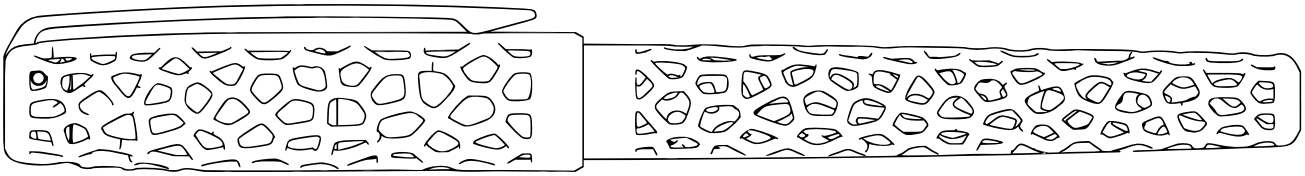
HeptaPen Voronoi



Safety

The pen body and box contain magnets. Swallowed magnets can cause serious internal injury. If you suspect a magnet has been swallowed, seek medical help immediately.

This product is not intended for children. Keep the pen, box and loose parts out of their reach.

Getting started

Inking

Unscrew the barrel to fit a cartridge or converter. Use International Standard cartridges up to 80 mm long, or the supplied Schmidt K5 converter.
Do not use iron gall inks.

Refitting the barrel

The gap between the pen and cap is very small. Check inside the cap and around the magnet for dirt and metal filings. These can prevent the cap from closing properly.

1. Screw the barrel on lightly and fit the cap.
2. Hold the cap and gently turn the pen inside it. It should turn smoothly. Do not force it: this can scratch the barrel.
3. If the pen does not turn freely or the cap does not close fully, hold the cap still. Move the back end of the barrel in a small circle to align the section, magnet and barrel. Do not twist the barrel. Check again.
4. Remove the cap. Hold the grip section and tighten the barrel. Fit the cap and check again.

Adjusting the nib angle

You can set the nib to any angle relative to the grip, even with the pen filled.

1. Unscrew the barrel. Use the supplied plastic nib key to hold the nib and feed.
2. Use the supplied 8 mm spanner to loosen the bushing slightly.
3. Turn the grip section to your preferred orientation.
4. Hold the nib key steady and tighten the bushing with the spanner.
5. Refit the barrel using the procedure above.

Posting

Posting is technically possible, but the pen is designed for use without it.

Maintenance

Flushing

Flush the nib unit and converter with clean water. The nib unit can stay in the section.

Disassembly

1. Unscrew the barrel. Remove the cartridge or converter.
2. Remove the magnet and bushing O-ring. Fully unscrew the bushing.
3. Use tweezers to remove O-ring from the cap, then gently push out the inner cap. Do not dismount the clip from the cap.

Regular cleaning

Wash disassembled pen with warm water and mild household detergent, then rinse. Use a soft, non-abrasive brush if needed.
Alternatively, spray the assembled pen with isopropyl alcohol (IPA) and wipe it with a soft cloth.

Deep cleaning

Before cleaning metal parts with solvents, remove all plastic parts, seals and the magnet.
Clean metal parts with IPA, ethanol, white spirit or acetone. Rinse with distilled water afterwards and let them dry.
Metal parts and inner cap are safe for ultrasonic cleaning (recommended: 40-50°C, 15 min).
For anodized surfaces, avoid contact with strong acids and alkalis.

Assemble in reverse order. Then follow "Adjusting the nib angle" and "Refitting the barrel"

Reassembling the cap

1. Insert the inner cap.
2. Apply a tiny amount of silicone grease to the O-ring. Use tweezers to place it inside the outer cap.
3. Use the open end of the barrel to gently push the O-ring into its groove. Check that the ring sits in the groove and holds the inner cap in place.

Spare parts

The spare parts listed below are included with the pen. They are standard components and can also be purchased from third-party suppliers.

1. Neodymium ring magnet N42 12×9×1.5 mm
2. Cap O-ring EPDM 13×10×1.5 mm
3. Bushing O-ring FKM 10.4×8×1.2 mm
4. Polished stainless steel pin L8xD1.5 mm
5. Compression spring L5xOD2.5xWD0.5 mm