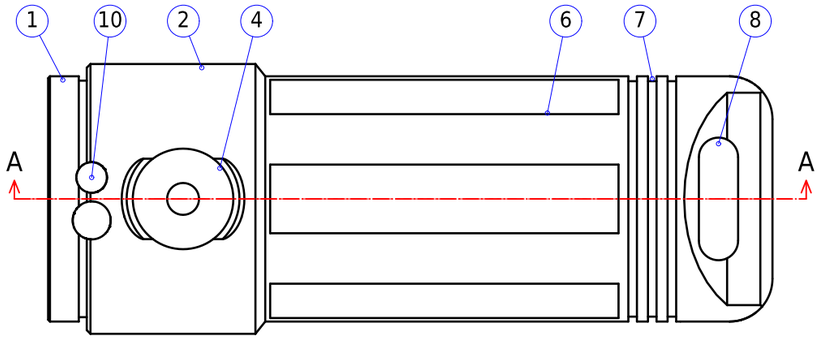
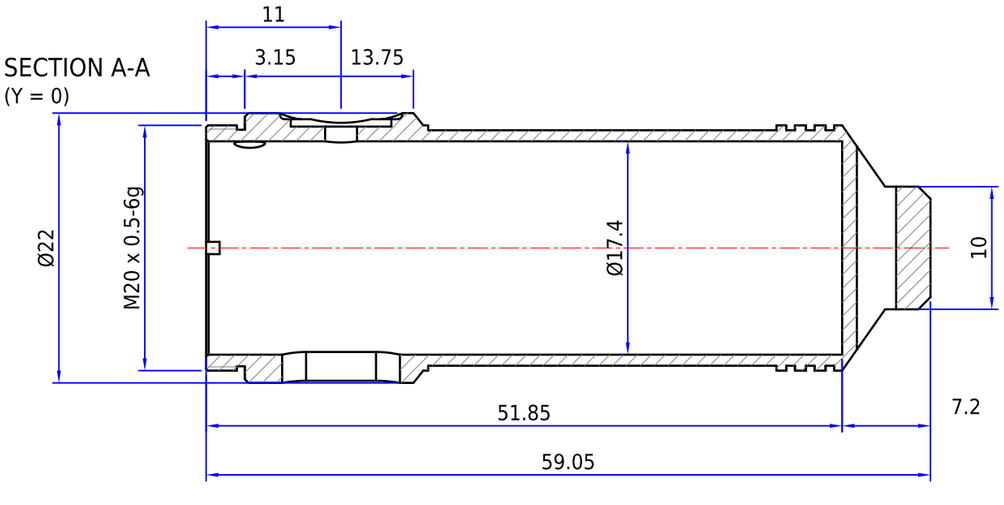
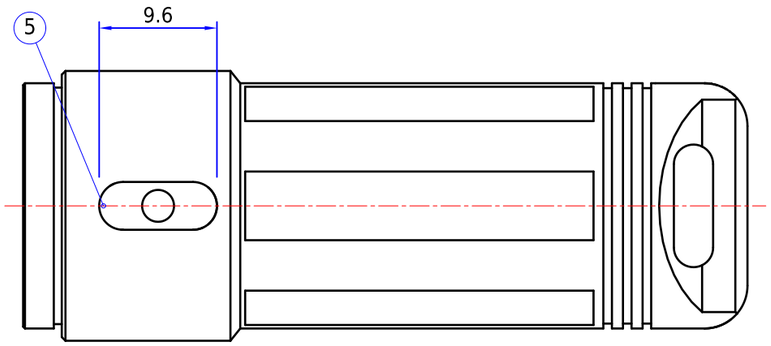
TOP VIEW
(from +Z)



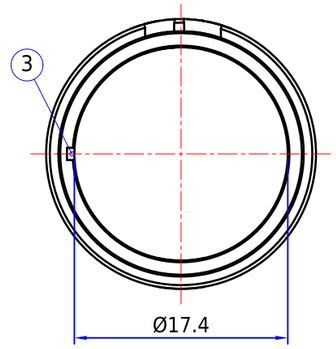

SECTION A-A
(Y = 0)



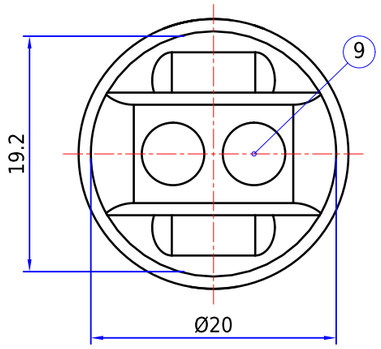

BOTTOM VIEW
(from -Z)




VIEW B (front)




VIEW C (tail)




FEATURES

| ID | FEATURE | SPECIFICATION | TOLERANCE / NOTE |
|---|---|---|---|
| 1 | Thread band | M20 x 0.5-6g external, 3 long from the front face, run-out to 19.29; front face is the seat of the insert's face O-ring | 6g; front face Ra 0.8, flat 0.02 |
| 2 | Head section | 22 from x 3.15 to 16.9, 0.8 step to the tube | +/-0.05 |
| 3 | Cell bay | 17.4 to x 51.85 (flat floor), entry chamfer 0.2 x 45 deg; key notch for the insert at +Y, 1 wide x 1.1 deep | +0.05/0; key +/-0.03 |
| 4 | Button | round scallop 10 to Z 10.5 (R0.4 floor edge) at x 11; counterbore 8.2 to Z 9.9; pin hole 2.6 into the bay | counterbore H8, floor +/-0.03 |
| 5 | USB-C opening | obround 9.6 x 3.9 through at -Z (the socket's seal ring seals in it) | obround +0.05/0, Ra 0.8 |
| 6 | Flats | six, 9.6 from the axis (19.2 across), x 18.1 to 46.5; "EDCO" laser-marked on the top flat, 2 high | +/-0.05 |
| 7 | Tail grooves | 3 x 0.7 wide, 0.4 deep, at x 47.65, 49.25, 50.85 | +/-0.1 |
| 8 | Keyring tab | two flats 10 apart (Z), bevels 55 deg from the bay end; slot 3.2 x 10 through (Z) at x 54.65; end corners R3.5, end edges 1 x 45 deg | slot +0.1/0 |
| 9 | Magnet pockets (M version only) | two 5.1 x 2.1 deep in the tab's end face at Y +/-3.3, Z 0 | +0.05/0; magnets bonded, opposite poles out |
| 10 | Side-light windows | UV rod hole 3.1 at Y -1.75 and red rod hole 2.5 at Y 1.75, x 3.55, through to the bore (+Z) | +0.05/0 (glued rods) |

NOTES

1 Material: aluminium 6061-T6 bar. Turn and mill; bead-blast; anodise type II (MIL-A-8625), black or clear, after machining. Thread, bore and sealing faces masked or held to size after anodising.
2 General tolerances ISO 2768-mK. Break sharp edges 0.1-0.2 unless shown. Surface Ra 1.6, sealing faces Ra 0.8.
3 Geometry per the STEP file named in the title block. In the table, x is the distance from the body's front face (the thread end), Y and Z are measured from the axis, Z up (button side).
4 The plain version (EDCO Mini-16) is the same body without item 9.
5 Items 3, 4 and 5 carry seals: no burrs, no tool marks across the sealing faces.

# BODY

| | |
|---|---|
| Part: EDCO_Mini-16M_body.step<br>(plain: EDCO_Mini-16_body.step) | SCALE 2:1  SHEET 1/1 |
| EDCO Mini v0.1  Mini-16  2026-10-24 | Units mm  \|  ISO 2768-mK |