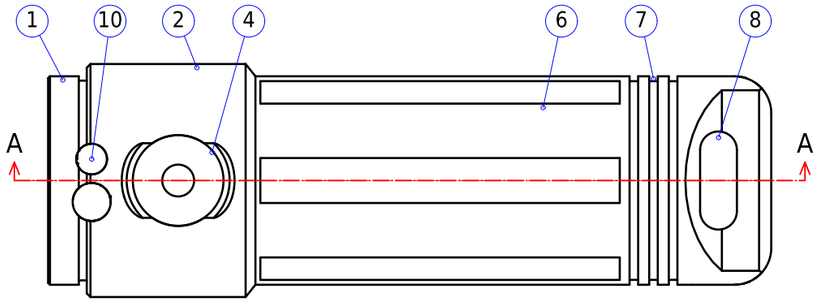
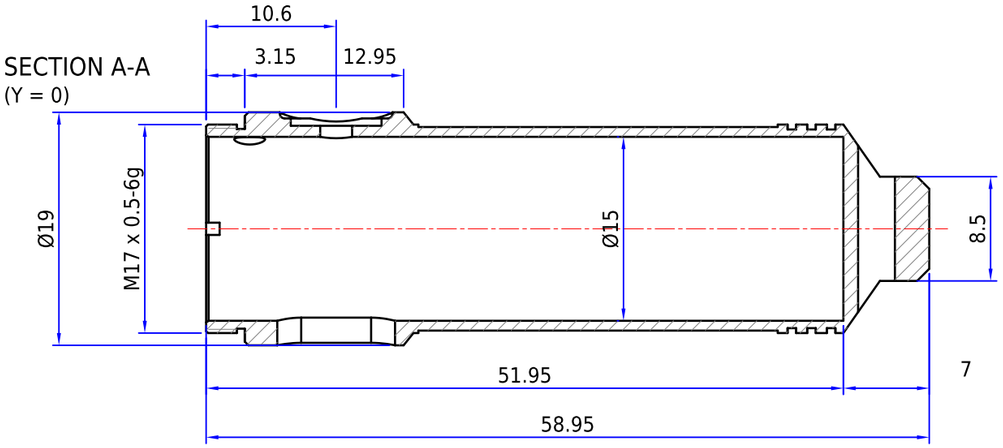
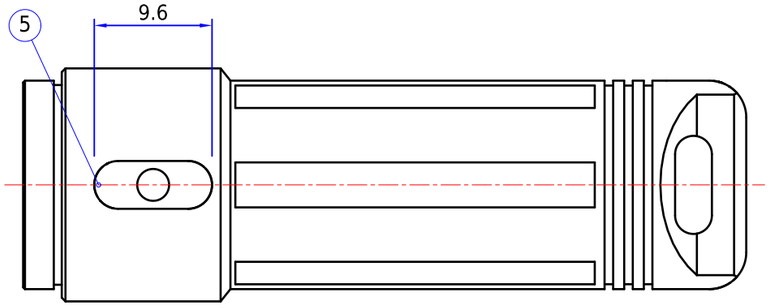
TOP VIEW
(from +Z)



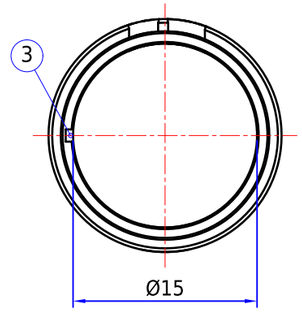
SECTION A-A
(Y = 0)



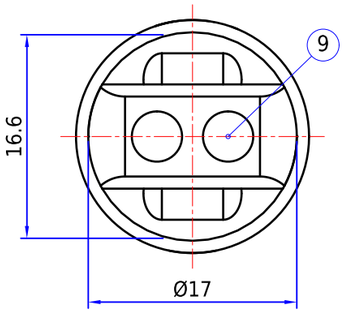
BOTTOM VIEW
(from -Z)



VIEW B (front)



VIEW C (tail)



FEATURES

ID	FEATURE	SPECIFICATION	TOLERANCE / NOTE
1	Thread band	M17 x 0.5-6g external, 3 long from the front face, run-out to 16.29; front face is the seat of the insert's face O-ring	6g; front face Ra 0.8, flat 0.02
2	Head section	19 from x 3.15 to 16.1, 0.8 step to the tube	+/-0.05
3	Cell bay	15 to x 51.95 (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 9.2 to Z 9 (R0.4 floor edge) at x 10.6; counterbore 7.4 to Z 8.4; 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, 8.3 from the axis (16.6 across), x 17.3 to 46.6; "EDCO" laser-marked on the top flat, 2 high	+/-0.05
7	Tail grooves	3 x 0.7 wide, 0.4 deep, at x 47.75, 49.35, 50.95	+/-0.1
8	Keyring tab	two flats 8.5 apart (Z), bevels 55 deg from the bay end; slot 3 x 8 through (Z) at x 54.65; end corners R3, end edges 1 x 45 deg	slot +0.1/0
9	Magnet pockets (M version only)	two 4.1 x 2.1 deep in the tab's end face at Y +/-2.9, 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-14) 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-14M_body.step (plain: EDCO_Mini-14_body.step)	SCALE 2:1 SHEET 1/1
EDCO Mini v0.1 Mini-14 2026-10-24	Units mm | ISO 2768-mK