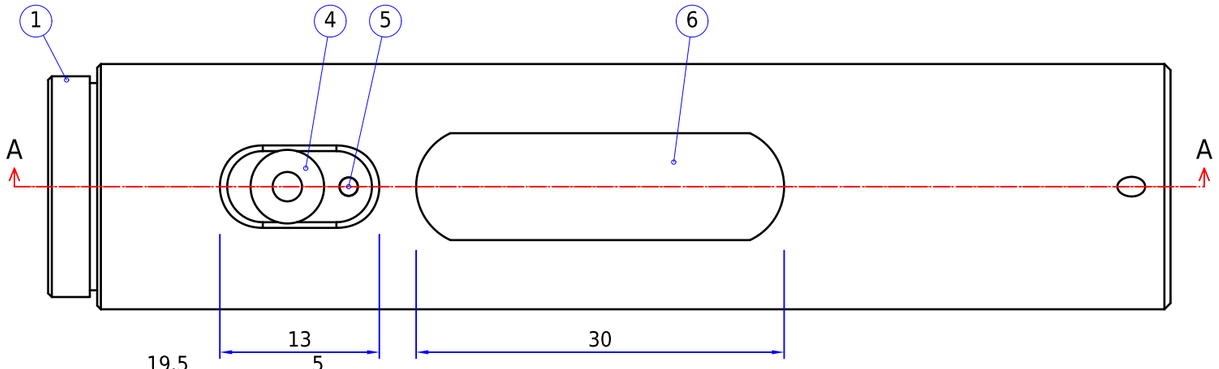
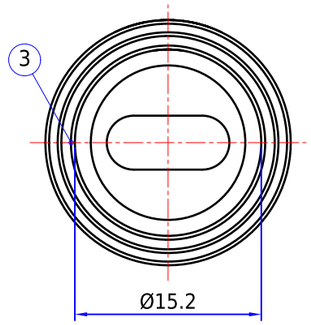
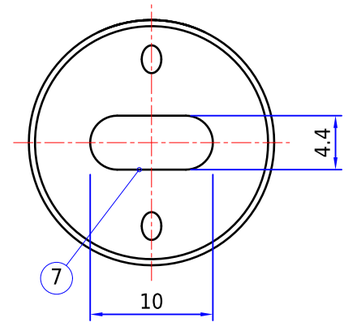
TOP VIEW
(from +Z)



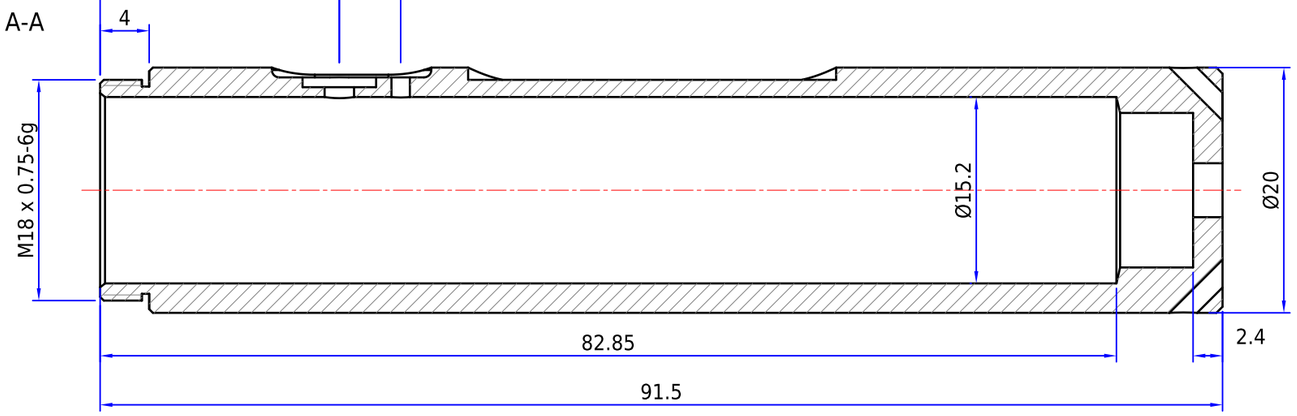
VIEW B (front)



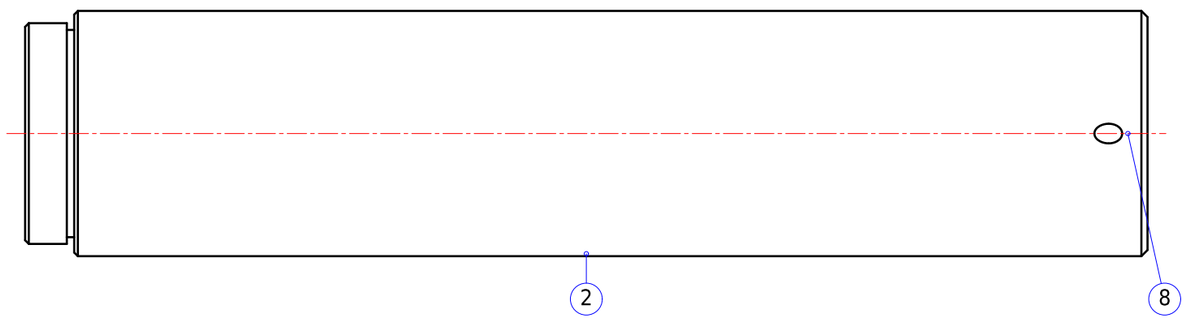
VIEW C (tail)



SECTION A-A
(Y = 0)



BOTTOM VIEW
(from -Z)



FEATURES

ID	FEATURE	SPECIFICATION	TOLERANCE / NOTE
1	Thread and undercut	M18 x 0.75-6g external from the front face to x 3.4; undercut 16.9 to x 4; 0.3 x 45 deg shoulder; front face seats the head flange	6g; front face Ra 0.8
2	Tube	20 from the shoulder to the tail, tail edge 0.5 x 45 deg	+/-0.05
3	Bore	15.2 to x 82.85, entry chamfer 0.4 x 45 deg (the head O-ring seals in it); tail cavity 12.6 to x 89.1	H8, Ra 0.8 for the first 11
4	Button	pocket: stadium x 14 to 27, 7 wide, floor Z 9.2, R0.6 floor edges; counterbore 6 to Z 8.4 at x 19.5; pin hole 2.4 through	counterbore H8, floor +/-0.03
5	Indicator hole	1.5 through at x 24.5 (the light pipe is glued in)	+0.05/0
6	Label flat	stadium x 30 to 60, 9.6 wide, at Z 9; "EDCO" laser-marked, 2.3 high	+/-0.05
7	USB-C hole	obround 10 x 4.4 through the 2.4 end wall (the socket's seal ring seals in it)	+0.05/0, Ra 0.8
8	Lanyard holes	two 1.6 straight holes at 45 deg through the tail corners (+Z, -Z), entering the tail face 6.8 from the axis	+0.1/0, deburr

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 Items 1, 3, 4, 5 and 7 carry seals: no burrs, no tool marks across the sealing faces.

BODY

Part: EDCO_body.step	SCALE 2:1 SHEET 1/1
EDCO v0.1 2026-10-24	Units mm | ISO 2768-mK