PRECISION ROUND TUBING

Stainless Steel Capillary Tubing

SUS 304 / SUS 304L / 304V · SUS 316 / SUS 316L

01 Dimensions and tolerances

Ranges cover long tubes and cut parts across the product family. Not all combinations of outside diameter, bore, wall thickness and length are available. We confirm feasibility against your drawing.

FEATURE	CAPABILITY	SCOPE
Outside diameter (OD)	**0.3–20 mm**	Core focus: below 6 mm OD.
Wall thickness	**0.015–1.5 mm**	Depends on OD and inside diameter (ID).
Tube or component length	**0.8–2000 mm**	Across long tubes and cut parts.
ID / OD tolerance	**±0.005 mm**	**Selected capillary sizes only.**
Cut-length tolerance	**Typically ±0.1 mm**	Applies only to the length of short parts.

02 Surface finish and cut ends

OUTER SURFACE

Ra ≤ 0.2 µm

BORE SURFACE

Ra ≤ 0.6 µm

Long tubes are bright annealed and free of oxide scale. Specify the required finish on each surface. For cut parts, CNC cutting and precision polishing produce burr-free openings.

Visual inspection: no obvious surface damage under 20× magnification.

What to send for a quote

Send a drawing with the grade, critical ID and OD, wall thickness, cut length and tolerances. Include quantity, delivery condition, surface finish, end details and any inspection records you need. For 304V, identify the required melt route and material specification.

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