MINITUBES
PUSHING YOUR LIMITS

Tubes for Catheters

High precision metal tubes for catheter assemblies: proximal and/or distal tubing.

Your most critical components, secured from design to series production.

THE PRODUCT

High precision metal tubes for catheter assemblies: proximal and/or distal tubing.
Available from rapid prototype through to high-volume industrial production.

- Catheter systems
- Valve delivery devices

TECHNICAL CHARACTERISTICS

A wide dimensional range

OD range	0.20 mm to 13 mm 0.008 ″ to 0.512 ″	**Typical tolerances**	±0.007 mm to ±0.025 mm ±0.0003 ″ to ±0.001 ″
ID range	0.10 mm to 12 mm 0.004 ″ to 0.472 ″	**Typical tolerances**	±0.01 mm to ±0.025 mm ±0.0004 ″ to ±0.001 ″
Wall thickness	0.025 mm to 1.55 mm 0.001 ″ to 0.061 ″		
Length	10 mm to 3,000 mm 0.39 ″ to 118 ″ (9.8 ft)	**Straightness**	2 mm/m 0.024 ″/ft
Mechanical Properties	304L: UTS from 650 MPa to 1000 MPa & Elongation till 50 % MP35N: UTS ≥ 1,516 MPa (220 ksi) · YS ≥ 1,378 MPa (200 ksi)		

Tight dimensional control for complex catheter assemblies.

Available alloys

Stainless steels
304 / 304L / 316L,
17-7 PH, Custom 465, 365

CoCr alloys
L605, MP35N,
Phynox / Elgiloy

Inconel
625, 600, 718

Functional performance covered

TORQUE TRANSFER · KINK RESISTANCE · PUSHABILITY · FLEXIBILITY · TRACKABILITY · SHAPE SET

KNOW-HOW & PROCESSES

Manufacturing processes

- Welded-redrawn and seamless tube drawing, on straight benches and/or in endless coil
- Micron-level tolerances
- Rapid prototyping on small quantities
- High-volume production

Post-drawing processes

- Acid cleaning and Passivation
- Laser and ECG cutting
- Hardening heat treatment
- Functional coatings
- Radiopaque (RX) marking



BECAUSE YOUR CONSTRAINTS ARE OURS

One supplier

A single partner for your proximal tubes, distal tubes and sub-assemblies — less coordination, more flow.

Project security

Consistent quality, complete traceability and regulatory compliance with every delivery.

Prototype responsiveness

Short lead times on small quantities, to speed up your validation and fine-tuning phases.

A design partner

Technical support from the design phase — our people speak the same language as your R&D teams.

Guaranteed precision

Micron-level tolerances held from prototype to high-volume series, with no requalification.

Industrial competitiveness

Design-to-cost, economies of scale and volumes of more than 250,000 parts per year. Strong ramp-up capacity across the product life cycle.

QUALITY & INDUSTRIAL CAPABILITIES

Certifications	ISO 13485 · Full AEO certification (customs and logistics support)
Traceability	Material certificates, chem analysis, complete audit-ready documentation
Series volumes	>250,000 units/year · lengths up to 3 m (9.8 ft / 118 ″)
Prototypes	Dedicated team — adapted MOQs, short lead times
Partner network	An ecosystem of qualified partners for every stage of your project

Looking for the right alloy for your project? Let's talk.

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