

# Protective tubes



Immerse yourself in the world of our high-quality deep-drawn tubes for temperature sensors. Made from premium materials such as stainless steel (1.4301, 1.4404), copper, brass, and aluminum, our tubes provide a robust solution for your sensor requirements.

The versatility of our products is reflected in various shapes and sizes, ranging from flat and round ends to tips. With a diameter range from 2.5 mm to 200 mm and varying lengths from 5 mm to 400 mm, you will find the right size for your application.

Our tubes undergo demanding manufacturing processes, including deep drawing, welding, machining, and polishing, to ensure the highest quality standards. Surface treatment options include polishing, nickel plating, and galvanizing, which not only enhance aesthetics but also increase durability.

With an impressive production capacity of 200,000 pieces per day, we can easily handle large orders. Whether for temperature, pressure, or speed sensors – our tubes provide the optimal solution.

Rely on our experience and precision in the manufacturing of sensor tubes. Your trust is our motivation to deliver first-class products that meet the highest standards. Find the perfect tube for your requirements and rely on quality and reliability.

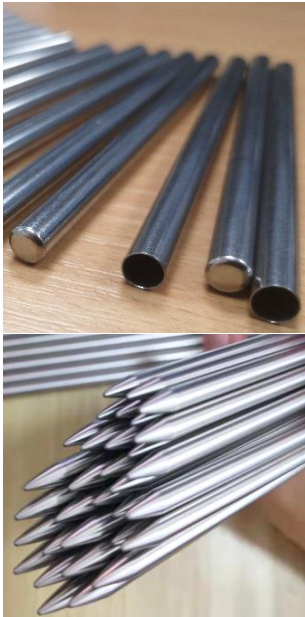
## Key Features:

### • NO TOOLING COSTS

- **Material:** 1.4301/1.4404
- **Diameter:** From 2.5 mm to 200 mm  
Other sizes available upon request
- **Deep-drawn Length:** 15 – 100mm  
Shorter or longer lengths also available
- **End Shapes:** Flat, pointed, round, or tapered
- **Standard Tolerance:**  $\pm 0.1$  mm
- **Standard Finish:** Deburred, ground, and polished



## Standard deep-drawn tubes

OD x ID(mm)	Material	Production process	Possible length (mm)	Illustration
3 x 2.7	1.4301/1.4404	deep-drawn	15-40mm	
3 x 2.6	1.4301/1.4404	deep-drawn	15-40mm	
3 x 2.5	1.4301/1.4404	deep-drawn	15-40mm	
3 x 2.4	1.4301/1.4404	deep-drawn	15-40mm	
3 x 2.2	1.4301/1.4404	deep-drawn	15-50mm	
3 x 2.0	1.4301/1.4404	deep-drawn	15-50mm	
4 x 3.6	1.4301/1.4404	deep-drawn	15-50mm	
4 x 3.5	1.4301/1.4404	deep-drawn	15-50mm	
4 x 3.4	1.4301/1.4404	deep-drawn	15-50mm	
4 x 3.2	1.4301/1.4404	deep-drawn	15-50mm	
4 x 3.0	1.4301/1.4404	deep-drawn	15-50mm	
5 x 4.6	1.4301/1.4404	deep-drawn	25-50mm	
5 x 4.5	1.4301/1.4404	deep-drawn	25-80mm	
5 x 4.4	1.4301/1.4404	deep-drawn	25-80mm	
5 x 4.2	1.4301/1.4404	deep-drawn	25-80mm	
5 x 4.0	1.4301/1.4404	deep-drawn	25-80mm	
6 x 5.5	1.4301/1.4404	deep-drawn	30-100mm	
6 x 5.4	1.4301/1.4404	deep-drawn	30-100mm	
6 x 5.2	1.4301/1.4404	deep-drawn	30-100mm	
6 x 5.0	1.4301/1.4404	deep-drawn	30-100mm	
7 x 6.5	1.4301/1.4404	deep-drawn	30-100mm	
7 x 6.4	1.4301/1.4404	deep-drawn	30-100mm	
7 x 6.2	1.4301/1.4404	deep-drawn	30-100mm	
7 x 6.0	1.4301/1.4404	deep-drawn	30-100mm	
8 x 7.5	1.4301/1.4404	deep-drawn	30-100mm	
8 x 7.4	1.4301/1.4404	deep-drawn	30-100mm	
8 x 7.2	1.4301/1.4404	deep-drawn	30-100mm	
8 x 7.0	1.4301/1.4404	deep-drawn	30-100mm	

**OD: Outer diameter ID: Inner diameter**

All dimensions in mm.

Standard tolerance  $\pm 0.1$ mm


**Other dimensions, intermediate sizes, diameters, wall thicknesses, and special requests available upon request.**

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Subject to changes and errors.

## Welded tubes

OD x ID(mm)	Material	Production process	Possible length (mm)	Illustration
3 x 2.6	1.4301/1.4404	welded	30-300mm	
3 x 2.5	1.4301/1.4404	welded	30-300mm	
4 x 3.6	1.4301/1.4404	welded	30-500mm	
4x3.5	1.4301/1.4404	welded	30-500mm	
4x3.4	1.4301/1.4404	welded	30-500mm	
5x4.5	1.4301/1.4404	welded	30-500mm	
5x4.4	1.4301/1.4404	welded	30-500mm	
5x4.0	1.4301/1.4404	welded	30-500mm	
6x5.5	1.4301/1.4404	welded	30-500mm	
6x5.4	1.4301/1.4404	welded	30-500mm	
6x5.2	1.4301/1.4404	welded	30-500mm	
6x5.0	1.4301/1.4404	welded	30-500mm	
8x7.0	1.4301/1.4404	welded	30-1000mm	
9x8.0	1.4301/1.4404	welded	30-1000mm	

**OD: Outer diameter ID: Inner diameter**

All dimensions in mm.

Standard tolerance  $\pm 0.1$ mm

**Other dimensions, intermediate sizes, diameters, wall thicknesses, and special requests available upon request.**

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## Other protective tubes and housings



Other configurations and designs available upon request

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