

# Capillary tubing



Our current stock in capillary tube is available in seamless execution, in 304, 321, 316 and 316Ti, either harddrawn (hardness 260-330 HV) or annealed (hardness < 180 HV). The tolerances are according to DIN 17458/ISO 1127 D4/T3 and lengths are between 4 and 6 meters.

On request we also can supply: welded / redrawn (in same conditions)

Capillary tubing is produced by cold drawing in order to obtain:

- 1 - Smooth, bright surfaces
- 2 - Precise dimensional accuracy
- 3 - Thin wall
- 4 - A variety of mechanical properties and configurations

### Tolerances:

O.D. = + 0.005" & - 0.000".

I.D. = + 0.000" & - 0.005".

### Precision Cutting:

Burr free cutting to tolerances as close to +/- 0.0005".

### Hardness:

- Bright annealed =  
Yield strength 500 - 700 N/mm<sup>2</sup>
- Halfhard =  
Yield strength 700 - 800 N/mm<sup>2</sup>
- Harddrawn =  
Yield strength 800 - 900 N/mm<sup>2</sup>
- Extra hard = Yield strength >1000 N/mm<sup>2</sup>

### Tube end possibilities

The point styles on needles and cannula can be used for a wide variety of applications such as: auto-sampling, automatic-dispensing, pressure reduction, in-vitro measurements and more.



### Industrial Applications:

- Pyrometry
- Measuring
- Manometry
- Gaschromatography
- Medical Instruments
- Implants
- Hypodermic needles

Merinox has the experience and capability to supply intricate parts to exact specifications. By utilising the latest precision, high-speed equipment specially designed to cut, flare, reduce, expand, bulge, close, dimple, lance, slot, bend, coil, pierce or notch, we provide the highest quality at a very competitive cost.

