TPS TECHNITUBE®
RÖHRENWERKE GMBH

TPS SRD
SUPREME ROUGHNESS DEFINITION

FIELDS OF APPLICATION

Special fields of application require product features which go far and beyond the standard. This also includes surface quality requirements of stainless steel tubes, especially in the following applications:

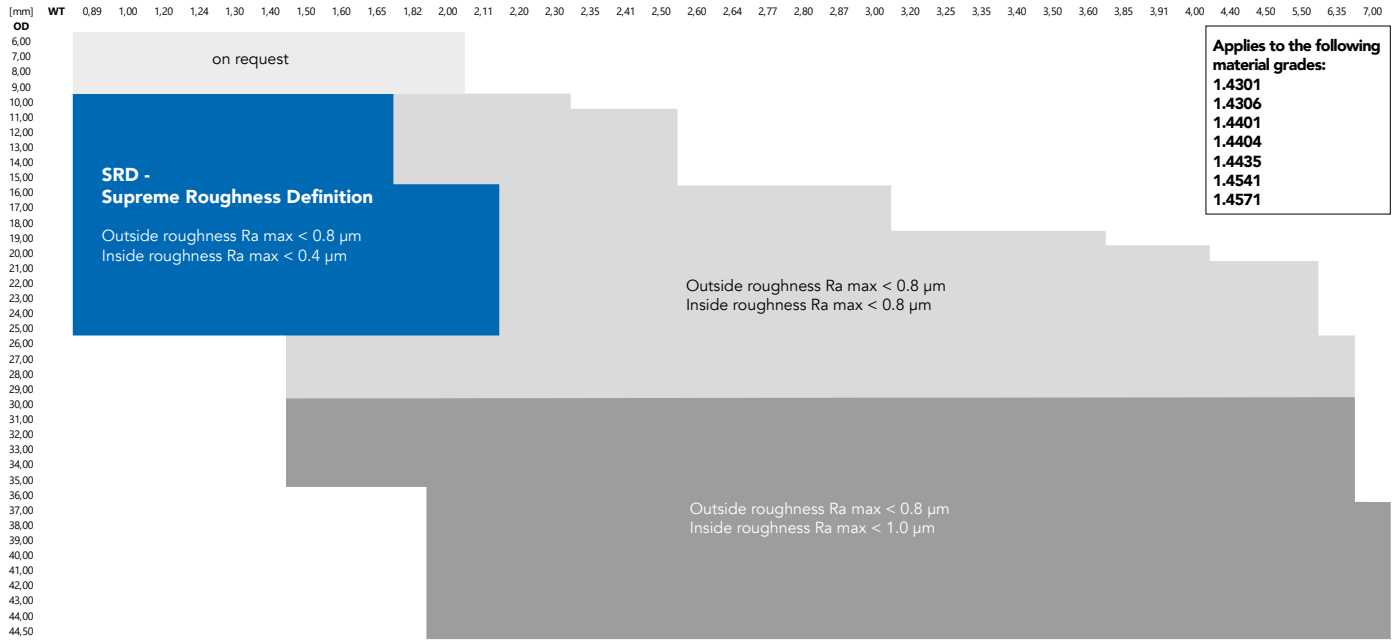
- **Chemical and Pharmaceutical Industry**
- **Semiconductor Industry / High-purity media supply**
- **Medical technology**
- **Biotechnology**
- **or with special heat exchangers types**

The fields of application may be diverse – however, they all have one thing in common: A plain surface guarantees a safer utilisation and the operation runs more smoothly. It, for instance, prevents the deposition of debris of aggressive media in heat exchangers or the contamination during the transport of high-purity gases.

For more than 40 years now, we have continuously been enhancing the bright annealing process of our tubes. Today, we meet or exceed our customers´ high expectations without any difficulties thanks to our exceptionally smooth surface. During the process, we require no leach or acids, to ensure sustainability and to fulfill environmental requirements.

FACTS & FIGURES

Dimensional Range



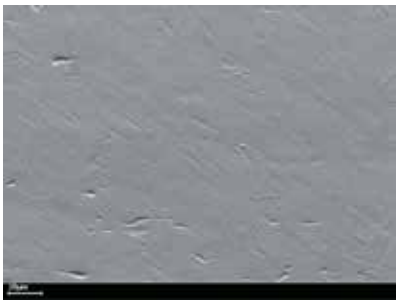
TECHNICAL DETAILS

For our SRD tubes, we have been specialising in a dimensional range of 9.53 – 25.40 mm OD/0.89 – 2.11 mm wall thickness

Roughness values	• inside Ra_{max} 0.4 µm • outside Ra_{max} 0.8 µm
Suitable for electro polishing (roughness can be reduced by 50% to a roughness of max. Ra 0.2 µm)	
Standards:	DIN EN 10216-5/ASTM A269/213/AD2000 W2/NACE MR 0175 • especially DIN EN 11866/ASME BPE 2014

COMPARISON

500-fold magnification and in comparison to the common chemically descaled and pickled execution



SRD quality
roll polished, bright annealed roughness ID Ra max. 0.4 µm

Standard quality tube
annealed, chemically descaled, pickled roughness ID Ra approx. 2.5 µm

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