


Electropolishing in Endless Dimensions

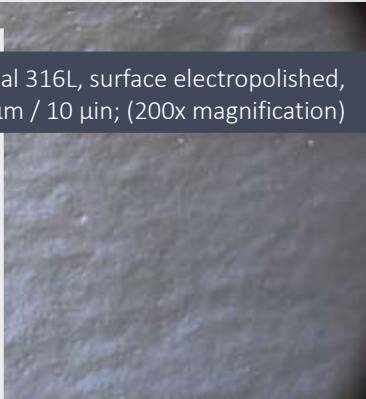
HENKEL offers internal electropolishing of coiled tube up to 100 ft. in length.

Advantages of electropolished surfaces:

- Microsmooth topography
- Optimal cleaning properties
- Metal pure and chemical passive surface
- High corrosion resistance
- Low energy surface
- Significantly reduced particle adhesion and affinity to layer build-up
- Remarkable reduction of particle emission and desorption of gas (reduced outgassing for ultra pure gas or vacuum application)
- Reduced dry down times for semiconductor applications
- Optimal weldability and solderability
- In general a better calculable product contact surface for a wide range of industry applications



Material 316L, surface metal bright,
Ra ≤ 0.40 μm / 16 μin; (200x magnification)



Material 316L, surface electropolished,
Ra ≤ 0.25 μm / 10 μin; (200x magnification)



Possible dimensions and materials:

DIMENSIONS

- | 1/4" OD x 0.035" w in maximum lengths 100 ft.
- | 3/8" OD x 0.035" w in maximum lengths 100 ft.
- | 1/2" OD x 0.049" w in maximum lengths 100 ft.
- | 1/8" OD x 0.020" w is currently under development resp. on request

MATERIALS

Stainless steel alloys 316L, 904L etc., Duplex stainless steels SAF2203 etc., Nickel and Nickel alloys C22 etc.

Process information and quality:

Electropolished coils will be inspected by HENKEL's highly trained inspectors, and produced in accordance with ISO 9001/ ISO 14001 quality management system. All electropolished coils are inspected, cleaned, packaged – and for ultra high purity applications also final cleaned and packaged in classified cleanrooms – and always delivered on-time to you. Documentation and certificates of conformance of our electropolishing and cleaning process are also available!

Visit us online and learn more.

Our Service Range

- * On-site and factory service
- * Electrochemical polishing
- * Anodic cleaning
- * Chemical polishing / deburring
- * Chemical pickling and passivation
- * Professional cleaning (also in clean room)
- * Derouging and re-passivation
- * Process and cleaning chemicals
- * Documentation
- * Engineering

Visit us online and learn more.