

Technical drawing of a 1/2" stainless steel capillary tube with a 3/4" NPT female fitting. The drawing shows a side view of the tube with a break in the middle. Dimensions include: outer diameter Ø 17 [0.67] at the left end, a 25 [0.98] inch section with four Ø 5 [0.20] inch holes, a Ø 20 [0.79] inch section, and a 19.9 [0.78] inch section with a G 3/4 inch NPT fitting. A 32 degree chamfer is indicated at the fitting end. The total length is labeled L.



Type	LSCT-51-0500
ID	100001878
Remark to product	Attention: Coaxial tubes (accessories) are only available for LS-551 level sensors with process connection G3/4".
Application area	liquids
Probe length (L)	500 mm
Mechanical data	
Material	Stainless steel, 1.4571
Process connection	G 3/4"
Sealing material	Aramid fibers, bound with NBR
Included in delivery	Centering set for LSCT-...

- Coaxial tube LS-5 level sensors
- Process connection G3/4"
- Tube length 500 mm

The level sensors of the LS-5 series work according to the principle of the guided microwave. The so-called Time Domain Reflectometry (TDR) is used. This method emits an electromagnetic wave along the probe. When the wave reaches the medium, it is partially reflected due to the dielectric constant compared to air. The electromagnetic wave is picked up again by the sensor and the distance to the liquid can now be determined via the transit time.

Accessories

Type code	Ident no.		Dimension drawing
LSAB2	100016515	PTFE centering star for mounting probes in the LS-5 product series in LSCT-xx-xxxx coaxial tubes	