

## Solid knobs

### Technopolymer with antimicrobial protection

#### MATERIAL

Glass-fibre reinforced polyamide based (PA) technopolymer, with silver ion additive and an inorganic base, RAL 7021 grey-black colour (C1) or RAL 9016 white (C16), matte finish.

#### STANDARD EXECUTION

AISI 304 stainless steel boss, threaded blind hole.

#### FEATURES AND APPLICATIONS

The special antimicrobial additive prevents the proliferation of microbes, bacteria and fungi on the product surface.

The controlled release mechanism of the silver ions keeps the antimicrobial characteristics unchanged over time, even after several washing cycles.

The high temperature resistance of the additive used allows its use even in sterilisation cycles (130°C).

Material samples have been tested in accredited laboratories, according to the standards of ISO 22196: 2011 (Measurement of antibacterial activity on plastics and other non-porous surfaces) which derives from the JIS Z 2801 standard.

The following microbe strains have been used for the tests:

- Escherichia Coli ATCC® 25922™ (antimicrobial activity 99,9%).
- Staphylococcus Aureus ATCC® 25923™ (antimicrobial activity 99,9%).
- Klebsiella Pneumoniae ATCC® 13883™ (antimicrobial activity 99,8%).
- Pseudomonas Aeruginosa ATCC® 27853™ (antimicrobial activity 99,9%).
- Candida Albicans ATCC® 10231™ (antimicrobial activity 98,9%).

The three-lobe shape with large recesses is particularly ergonomic also for smaller knobs, ensuring an effective grip even with work gloves.

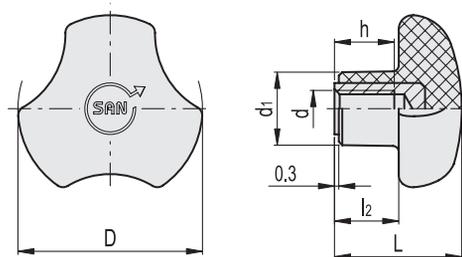
The design without rear cavities, generally adopted for reducing thickness, prevents unhealthy residues from depositing, ensuring easy cleaning.

Antimicrobial additives are suitable for all applications where sanitation and hygiene are fundamental, for example:

- medical and hospital equipment;
- disability aids;
- machines for food processing and pharmaceutical industry;
- equipment for catering service;
- urban and public fittings.



ELESA Original design



STAINLESS STEEL

Code	Description	Code	Description	D	d6H	L	d1	l2	h	
153266-C1	VTT.40-SST-M8-SAN-C1	153266-C16	VTT.40-SST-M8-SAN-C16	40	M8	27	16	13.5	13	23
153297-C1	VTT.50-SST-M10-SAN-C1	153297-C16	VTT.50-SST-M10-SAN-C16	50	M10	30	19	15	17	36

