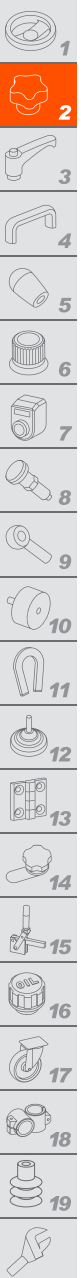


VTT-LP | Lobe knobs with solid section

with retaining chain, technopolymer



MATERIAL

Glass-fibre reinforced polyamide based (PA) technopolymer, black colour, matte finish.

Elastic retaining ring in acetal based technopolymer (POM), black colour.

RETAINING CHAIN

Ball cable and coupling heads in acetal resin based (POM) technopolymer, black colour.

NERINOX treated stainless steel ring with two coils.

Head fastening by means of a self-tapping screw $\varnothing 4.8$ mm UNI EN ISO 7050 or a M5 countersunk-head screw UNI EN ISO 10642.

STANDARD EXECUTIONS

- **VTT-B-LP**: brass boss, threaded blind hole.
- **VTT-SST-LP**: AISI 304 stainless steel boss, threaded blind hole.
- **VTT-p-LP**: zinc-plated steel threaded stud, chamfered flat end according to UNI 947 : ISO 4753 (see Technical data on page A-11).
- **VTT-SST-p-LP**: AISI 304 stainless steel threaded stud, chamfered flat end according to UNI 947 : ISO 4753 (see Technical data on page A-11).

FEATURES AND APPLICATIONS

Suitable where it is necessary to prevent the loss of the knob. The elastic retaining ring, housed in the groove of the knob can turn freely. The coiled ring connects the elastic retaining ring to the chain. 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. Particularly suitable for applications on machines and equipment whose parts must be frequently cleaned by using water jets or steam.

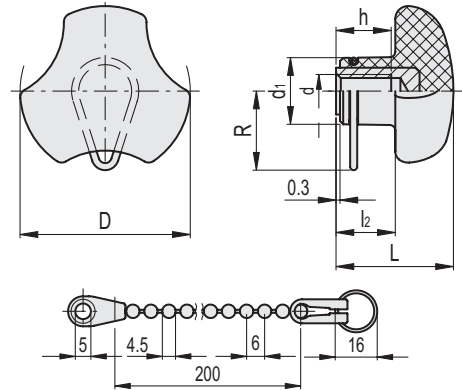
SPECIAL EXECUTIONS ON REQUEST

- Chain in different lengths.
- Knob with retaining cable CV-T (see page -) in polyethylene black colour.
- Knob with stainless steel cable GN 111 on page 611, GN 111.2 on page 612 and GN 111.4 on page 613.



ELESA Original design

VTT-B-LP
VTT-SST-LP



VTT-B-LP

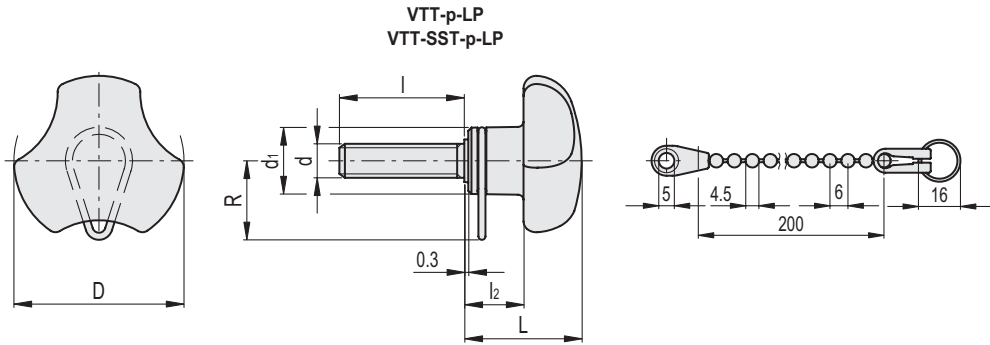
| Code | Description | D | d6H | L | d1 | l2 | h | R | ⚖️ |
|--------|-----------------|----|-----|----|------|------|----|------|----|
| 168106 | VTT.25-B-M5-LP | 25 | M5 | 20 | 12 | 10 | 10 | 20 | 12 |
| 168216 | VTT.32-B-M6-LP | 32 | M6 | 23 | 14 | 11.5 | 10 | 21 | 22 |
| 168336 | VTT.40-B-M8-LP | 40 | M8 | 27 | 16 | 13.5 | 13 | 21.5 | 26 |
| 168466 | VTT.50-B-M10-LP | 50 | M10 | 30 | 19 | 15 | 17 | 22.5 | 39 |
| 168502 | VTT.60-B-M12-LP | 60 | M12 | 34 | 22.5 | 18 | 20 | 24 | 48 |

VTT-SST-LP

| Code | Description | D | d6H | L | d1 | l2 | h | R | ⚖️ |
|--------|-------------------|----|-----|----|------|------|----|------|----|
| 168116 | VTT.25-SST-M5-LP | 25 | M5 | 20 | 12 | 10 | 10 | 20 | 12 |
| 168226 | VTT.32-SST-M6-LP | 32 | M6 | 23 | 14 | 11.5 | 10 | 21 | 22 |
| 168346 | VTT.40-SST-M8-LP | 40 | M8 | 27 | 16 | 13.5 | 13 | 21.5 | 27 |
| 168476 | VTT.50-SST-M10-LP | 50 | M10 | 30 | 19 | 15 | 17 | 22.5 | 40 |
| 168512 | VTT.60-SST-M12-LP | 60 | M12 | 34 | 22.5 | 18 | 20 | 24 | 48 |



Clamping elements



VTT-p-LP

| Code | Description | D | d _{6g} | L | d ₁ | l | l ₂ | R | ⚖ |
|--------|--------------------|----|-----------------|----|----------------|----|----------------|------|-----|
| 168151 | VTT.25-p-M5x10-LP | 25 | M5 | 20 | 12 | 10 | 10 | 20 | 10 |
| 168152 | VTT.25-p-M5x16-LP | 25 | M5 | 20 | 12 | 16 | 10 | 20 | 12 |
| 168153 | VTT.25-p-M5x20-LP | 25 | M5 | 20 | 12 | 20 | 10 | 20 | 14 |
| 168154 | VTT.25-p-M5x25-LP | 25 | M5 | 20 | 12 | 25 | 10 | 20 | 18 |
| 168252 | VTT.32-p-M6x16-LP | 32 | M6 | 23 | 14 | 16 | 11.5 | 21 | 17 |
| 168253 | VTT.32-p-M6x20-LP | 32 | M6 | 23 | 14 | 20 | 11.5 | 21 | 19 |
| 168254 | VTT.32-p-M6x25-LP | 32 | M6 | 23 | 14 | 25 | 11.5 | 21 | 21 |
| 168255 | VTT.32-p-M6x30-LP | 32 | M6 | 23 | 14 | 30 | 11.5 | 21 | 23 |
| 168371 | VTT.40-p-M8x20-LP | 40 | M8 | 27 | 16 | 20 | 13.5 | 21.5 | 26 |
| 168372 | VTT.40-p-M8x25-LP | 40 | M8 | 27 | 16 | 25 | 13.5 | 21.5 | 30 |
| 168373 | VTT.40-p-M8x30-LP | 40 | M8 | 27 | 16 | 30 | 13.5 | 21.5 | 34 |
| 168375 | VTT.40-p-M8x40-LP | 40 | M8 | 27 | 16 | 40 | 13.5 | 21.5 | 38 |
| 168481 | VTT.50-p-M10x20-LP | 50 | M10 | 30 | 19 | 20 | 15 | 22.5 | 54 |
| 168482 | VTT.50-p-M10x25-LP | 50 | M10 | 30 | 19 | 25 | 15 | 22.5 | 59 |
| 168483 | VTT.50-p-M10x30-LP | 50 | M10 | 30 | 19 | 30 | 15 | 22.5 | 64 |
| 168485 | VTT.50-p-M10x40-LP | 50 | M10 | 30 | 19 | 40 | 15 | 22.5 | 69 |
| 168486 | VTT.50-p-M10x45-LP | 50 | M10 | 30 | 19 | 45 | 15 | 22.5 | 65 |
| 168523 | VTT.60-p-M12x30-LP | 60 | M12 | 34 | 22.5 | 30 | 18 | 24 | 94 |
| 168525 | VTT.60-p-M12x40-LP | 60 | M12 | 34 | 22.5 | 40 | 18 | 24 | 102 |
| 168527 | VTT.60-p-M12x50-LP | 60 | M12 | 34 | 22.5 | 50 | 18 | 24 | 108 |

VTT-SST-p-LP

INOX STAINLESS STEEL

| Code | Description | D | d _{6g} | L | d ₁ | l | l ₂ | R | ⚖ |
|--------|------------------------|----|-----------------|----|----------------|----|----------------|------|-----|
| 168161 | VTT.25-SST-p-M5x10-LP | 25 | M5 | 20 | 12 | 10 | 10 | 20 | 10 |
| 168162 | VTT.25-SST-p-M5x16-LP | 25 | M5 | 20 | 12 | 16 | 10 | 20 | 12 |
| 168163 | VTT.25-SST-p-M5x20-LP | 25 | M5 | 20 | 12 | 20 | 10 | 20 | 14 |
| 168164 | VTT.25-SST-p-M5x25-LP | 25 | M5 | 20 | 12 | 25 | 10 | 20 | 18 |
| 168262 | VTT.32-SST-p-M6x16-LP | 32 | M6 | 23 | 14 | 16 | 11.5 | 21 | 17 |
| 168263 | VTT.32-SST-p-M6x20-LP | 32 | M6 | 23 | 14 | 20 | 11.5 | 21 | 19 |
| 168264 | VTT.32-SST-p-M6x25-LP | 32 | M6 | 23 | 14 | 25 | 11.5 | 21 | 21 |
| 168381 | VTT.40-SST-p-M8x20-LP | 40 | M8 | 27 | 16 | 20 | 13.5 | 21.5 | 26 |
| 168383 | VTT.40-SST-p-M8x30-LP | 40 | M8 | 27 | 16 | 30 | 13.5 | 21.5 | 35 |
| 168385 | VTT.40-SST-p-M8x40-LP | 40 | M8 | 27 | 16 | 40 | 13.5 | 21.5 | 39 |
| 168491 | VTT.50-SST-p-M10x20-LP | 50 | M10 | 30 | 19 | 20 | 15 | 22.5 | 59 |
| 168493 | VTT.50-SST-p-M10x30-LP | 50 | M10 | 30 | 19 | 30 | 15 | 22.5 | 64 |
| 168495 | VTT.50-SST-p-M10x40-LP | 50 | M10 | 30 | 19 | 40 | 15 | 22.5 | 70 |
| 168496 | VTT.50-SST-p-M10x45-LP | 50 | M10 | 30 | 19 | 45 | 15 | 22.5 | 65 |
| 168533 | VTT.60-SST-p-M12x30-LP | 60 | M12 | 34 | 22.5 | 30 | 18 | 24 | 94 |
| 168535 | VTT.60-SST-p-M12x40-LP | 60 | M12 | 34 | 22.5 | 40 | 18 | 24 | 102 |
| 168537 | VTT.60-SST-p-M12x50-LP | 60 | M12 | 34 | 22.5 | 50 | 18 | 24 | 108 |



Clamping elements