# VB.639

## Three-arm knobs

Technopolymer

METRIC

INOX STAINLESS STEEL | RoHS | PP | +90° 0° | PA | +130° -30°

### MATERIAL

Glass-fibre reinforced polyamide based (PA) technopolymer, black colour, matte finish.
VB.639/130: glass-fibre reinforced polypropylene based (PP) technopolymer, black colour, matte finish.

### STANDARD EXECUTIONS

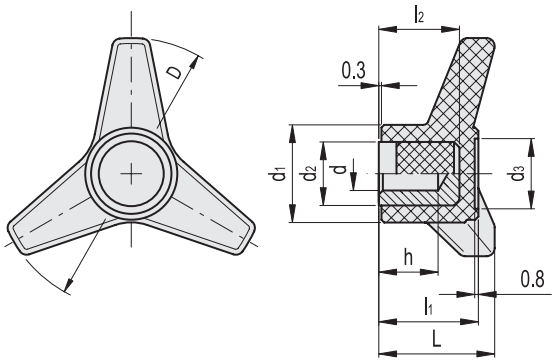
- **VB.639-A:** black-oxide steel boss, plain blind hole.
- **VB.639-B:** brass boss, threaded blind hole.
- **VB.639-FP:** brass boss, threaded pass-through hole.
- **VB.639-p:** zinc-plated steel threaded stud with chamfered flat end as in UNI 947 : ISO 4753 (see Technical data on page A-11).
- **VB.639-SST:** AISI 303 stainless steel boss, threaded blind hole.
- **VB.639-FP-SST:** AISI 303 stainless steel, threaded pass-through hole.

### APPLICATIONS

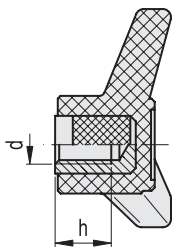
This knob has been designed for heavy duty work where the use of a hammer for a firmer clamping action is required.



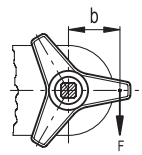
VB.639-A



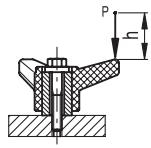

VB.639-B




ELESA Original design




C [Nm] = F [N] • b [m]




L [J] = P [N] • h [m]

**VB.639-A** ▼

METRIC

| Code | Description | D | dH9 | L | d1 | d2 | d3 | l1 | l2 | h | C# [Nm] | L* [J] | ⚖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65531 | VB.639/45 A-6 | 45 | 6 | 25 | 19 | 12 | 12 | 22.5 | 17 | 14 | 11 | 2 | 40 |
| 65631 | VB.639/63 A-6 | 63 | 6 | 28 | 27 | 15 | 18 | 25 | 23 | 18 | 30 | 7 | 55 |
| 65672 | VB.639/80 A-8 | 80 | 8 | 35 | 32 | 15 | 21 | 30 | 25 | 20 | 80 | 6 | 75 |
| 65702 | VB.639/100 A-10 | 100 | 10 | 42 | 35 | 20 | 25 | 36 | 25 | 21 | 110 | 8 | 130 |
| 65742 | VB.639/130 A-12 | 130 | 12 | 47 | 43 | 20 | 29 | 40 | 31 | 24 | 135 | 9 | 180 |

**VB.639-B** ▼

METRIC

| Code | Description | D | d6H | L | d1 | d3 | l1 | h | C# [Nm] | L* [J] | ⚖ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 65541 | VB.639/45 B-M6 | 45 | M6 | 25 | 19 | 12 | 22.5 | 12 | 11 | 2 | 33 |
| 65545 | VB.639/45 B-M8 | 45 | M8 | 25 | 19 | 12 | 22.5 | 13 | 11 | 2 | 30 |
| 65635 | VB.639/63 B-M8 | 63 | M8 | 28 | 27 | 18 | 25 | 15 | 30 | 7 | 48 |
| 65636 | VB.639/63 B-M10 | 63 | M10 | 28 | 27 | 18 | 25 | 17 | 30 | 7 | 40 |
| 65674 | VB.639/80-B-M8 | 80 | M8 | 35 | 32 | 17 | 30 | 15 | 80 | 6 | 64 |
| 65675 | VB.639/80 B-M10 | 80 | M10 | 35 | 32 | 21 | 30 | 17 | 80 | 6 | 60 |
| 65676 | VB.639/80 B-M12 | 80 | M12 | 35 | 32 | 21 | 30 | 17 | 80 | 6 | 67 |
| 65705 | VB.639/100 B-M12 | 100 | M12 | 42 | 35 | 25 | 36 | 20 | 110 | 8 | 96 |
| 65706 | VB.639/100 B-M14 | 100 | M14 | 42 | 35 | 25 | 36 | 20 | 110 | 8 | 105 |
| 65745 | VB.639/130 B-M16 | 130 | M16 | 47 | 43 | 29 | 40 | 22 | 135 | 9 | 150 |
| 65746 | VB.639/130-B-M20 | 130 | M20 | 47 | 43 | 29 | 40 | 25 | 135 | 9 | 151 |

# "Max limit Tightening torque" means the max torque value at which the metal insert, in normal conditions of use, is perfectly and strongly anchored to the plastic material.
* For impact strength (L) see Technical data on page A-3.

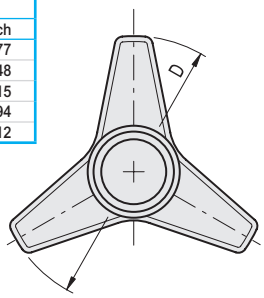




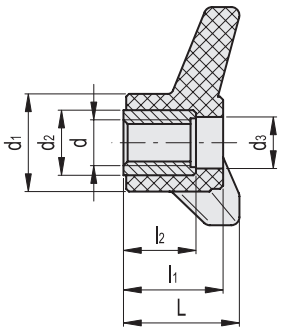
elesa 5/2025

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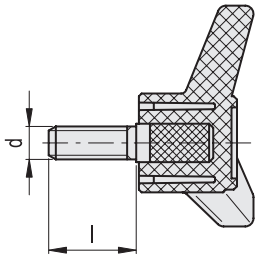
| Conversion Table<br>*1 mm = 0.039 inch* | |
|---|---|
| D ▼ | |
| mm | inch |
| 45 | 1.77 |
| 63 | 2.48 |
| 80 | 3.15 |
| 100 | 3.94 |
| 130 | 5.12 |



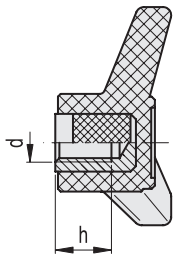

**VB.639-FP**
**VB.639-FP-SST**




**VB.639-p**




**VB.639-SST**




**VB.639-FP** ▼ METRIC

| Code | Description | D | d6H | L | d1 | d2 | d3 | l1 | l2 | C# [Nm] | L* [J] | ⚖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65551 | VB.639/45 FP-M6 | 45 | M6 | 25 | 19 | 8 | 9 | 22.5 | 12 | 11 | 2 | 30 |
| 65555 | VB.639/45 FP-M8 | 45 | M8 | 25 | 19 | 11 | 10 | 22.5 | 12 | 11 | 2 | 27 |
| 65641 | VB.639/63 FP-M10 | 63 | M10 | 28 | 27 | 16 | 13 | 25 | 21 | 30 | 7 | 47 |
| 65642 | VB.639/63 FP-M12 | 63 | M12 | 28 | 27 | 16 | 13 | 25 | 21 | 30 | 7 | 50 |
| 65680 | VB.639/80-FP-M8 | 80 | M8 | 35 | 32 | 18 | 17 | 30 | 25 | 80 | 7 | 80 |
| 65682 | VB.639/80-FP-M10 | 80 | M10 | 35 | 32 | 18 | 17 | 30 | 25 | 80 | 7 | 71 |
| 65681 | VB.639/80 FP-M12 | 80 | M12 | 35 | 32 | 18 | 17 | 30 | 25 | 80 | 7 | 77 |
| 65711 | VB.639/100 FP-M16 | 100 | M16 | 42 | 35 | 20 | 20 | 37 | 31 | 110 | 8 | 105 |
| 65751 | VB.639/130 FP-M16 | 130 | M16 | 47 | 43 | 24 | 22 | 40 | 34 | 135 | 9 | 157 |

**VB.639-p** ▼ METRIC

| Code | Description | D | d6g | L | d1 | d3 | l | l1 | C# [Nm] | L* [J] | ⚖ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 65561 | VB.639/45 p-M6x20 | 45 | M6 | 25 | 19 | 12 | 20 | 22.5 | 10 | 2 | 29 |
| 65565 | VB.639/45 p-M8x25 | 45 | M8 | 25 | 19 | 12 | 25 | 22.5 | 23 | 2 | 31 |
| 65652 | VB.639/63 p-M8x25 | 63 | M8 | 28 | 27 | 18 | 25 | 25 | 25 | 7 | 44 |
| 65692 | VB.639/80 p-M10x30 | 80 | M10 | 35 | 32 | 21 | 30 | 30 | 50 | 7 | 78 |
| 65722 | VB.639/100 p-M12x40 | 100 | M12 | 42 | 35 | 25 | 40 | 36 | 110 | 8 | 126 |

**VB.639-SST** ▼ INOX STAINLESS STEEL METRIC

| Code | Description | D | d6H | L | d1 | d3 | l1 | h | C# [Nm] | L* [J] | ⚖ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 65548 | VB.639/45 SST-M6 | 45 | M6 | 25 | 19 | 12 | 22.5 | 12 | 11 | 2 | 34 |
| 65638 | VB.639/63-SST-M8 | 63 | M8 | 28 | 27 | 18 | 25 | 15 | 30 | 7 | 49 |
| 65677 | VB.639/80-SST-M8 | 80 | M8 | 35 | 32 | 17 | 30 | 20 | 80 | 6 | 65 |
| 65678 | VB.639/80-SST-M10 | 80 | M10 | 35 | 32 | 21 | 30 | 17 | 80 | 6 | 61 |
| 65679 | VB.639/80-SST-M12 | 80 | M12 | 35 | 32 | 17 | 30 | 17 | 80 | 6 | 68 |
| 65708 | VB.639/100-SST-M12 | 100 | M12 | 42 | 35 | 25 | 36 | 20 | 110 | 8 | 97 |
| 65748 | VB.639/130-SST-M16 | 130 | M16 | 47 | 43 | 29 | 40 | 22 | 135 | 9 | 164 |

**VB.639-FP-SST** ▼ INOX STAINLESS STEEL METRIC

| Code | Description | D | d6H | L | d1 | d2 | d3 | l1 | l2 | C# [Nm] | L* [J] | ⚖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65685 | VB.639/80-FP-SST-M8 | 80 | M8 | 35 | 32 | 18 | 17 | 30 | 25 | 80 | 6 | 81 |
| 65686 | VB.639/80-FP-SST-M10 | 80 | M10 | 35 | 32 | 18 | 17 | 30 | 25 | 80 | 6 | 72 |
| 65687 | VB.639/80-FP-SST-M12 | 80 | M12 | 35 | 32 | 18 | 17 | 30 | 25 | 80 | 6 | 78 |

# "Max limit Tightening torque" means the max torque value at which the metal insert, in normal conditions of use, is perfectly and strongly anchored to the plastic material.
* For impact strength (L) see Technical data on page A-3.

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