

MATERIAL

Glass-fibre reinforced polyamide (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, chamfered flat end according to ISO 4753 (see Technical Data on page A-10).

APPLICATIONS

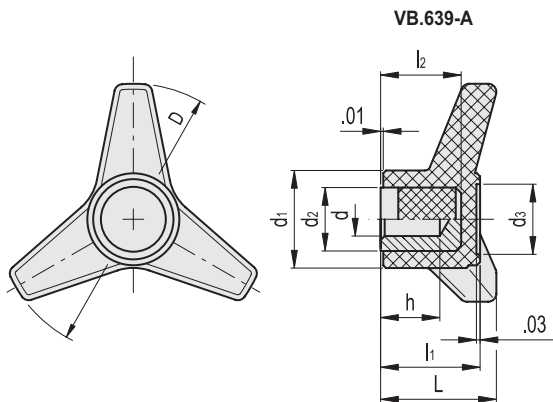
This knob has been designed for heavy duty work where the use of a hammer for a firmer clamping action is required.

OTHER EXECUTIONS ON REQUEST

Metric plain or threaded blind holes.



ELESA Original design



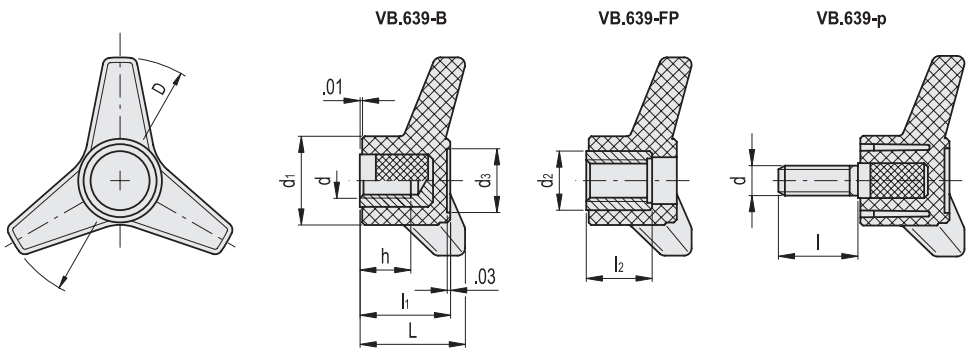
$$C \text{ [lb} \cdot \text{ft]} = F \text{ [lb]} \cdot b \text{ [ft]}$$
$$L \text{ [ft} \cdot \text{lb]} = P \text{ [lb]} \cdot h \text{ [ft]}$$

VB.639-A

Code	Description	D	d	L	d1	d2	d3	l1	l2	h	C# [ft lb]	L* [ft lb]	⚖
965631	VB.639/63 A-5/16	2.48	0.312	1.1	1.02	0.59	0.71	0.98	0.91	0.71	22	5	0.12
965672	VB.639/80 A-3/8	3.15	0.375	1.38	1.26	0.59	0.83	1.18	0.98	0.79	59	4	0.17
965701	VB.639/100 A-3/8	3.94	0.375	1.65	1.42	0.79	0.98	1.42	1.29	0.98	81	6	0.29
965702	VB.639/100 A-1/2	3.94	0.500	1.65	1.42	0.79	0.98	1.42	1.29	0.98	81	6	0.29
965742	VB.639/130 A-1/2	5.12	0.500	1.85	1.69	0.79	1.14	1.57	1.22	0.94	99	7	0.4

"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.



VB.639-B

INCH

Code	Description	D	d2B	L	d1	d3	l1	h	C# [ft lb]	L* [ft lb]	⚖
965635	VB.639/63 B-5/16-18	2.48	5/16-18	1.1	1.02	0.71	0.98	0.59	22.11	5.16	0.11
965637	VB.639/63 B-3/8-16	2.48	3/8-16	1.1	1.02	0.71	0.98	0.67	22.11	5.16	0.09
965675	VB.639/80 B-3/8-16	3.15	3/8-16	1.38	1.26	0.83	1.18	0.67	58.96	4.42	0.13
965677	VB.639/80 B-1/2-13	3.15	1/2-13	1.38	1.26	0.83	1.18	0.67	58.96	4.42	0.15
965703	VB.639/100 B-3/8-16	3.94	3/8-16	1.65	1.42	0.98	1.42	0.79	81.07	5.9	0.21
965705	VB.639/100 B-1/2-13	3.94	1/2-13	1.65	1.42	0.98	1.42	0.79	81.07	5.9	0.23
965743	VB.639/130 B-1/2-13	5.12	1/2-13	1.85	1.69	1.14	1.57	0.87	99.5	6.63	0.36
965745	VB.639/130 B-5/8-11	5.12	5/8-11	1.85	1.69	1.14	1.57	0.87	99.5	6.63	0.36

VB.639-FP

INCH

Code	Description	D	d2B	L	d1	d2	d3	l1	l2	C# [ft lb]	L* [ft lb]	⚖
965591	VB.639/45 FP-1/4-20	1.77	1/4-20	0.98	0.75	0.35	0.35	0.89	0.47	8.11	1.47	0.07
965642	VB.639/63 FP-5/16-18	2.48	5/16-18	1.1	1.06	0.63	0.51	0.98	0.83	22.11	5.16	0.1
965682	VB.639/80 FP-3/8-16	3.15	3/8-16	1.38	1.26	0.71	0.67	1.18	0.98	58.96	5.16	0.18
965684	VB.639/80 FP-1/2-13	3.15	1/2-13	1.38	1.26	0.71	0.67	1.18	0.98	58.96	5.16	0.17
965712	VB.639/100 FP-1/2-13	3.94	1/2-13	1.65	1.42	0.79	0.79	1.46	1.22	81.07	5.9	0.23
965752	VB.639/130 FP-5/8-11	5.12	5/8-11	1.85	1.69	0.94	0.87	1.57	1.34	99.5	6.63	0.35

VB.639-p

INCH

Code	Description	D	d2A	L	d1	d3	l	l1	C# [ft lb]	L* [ft lb]	⚖
965604	VB.639/45 p-1/4-20x1	1.77	1/4-20	0.98	0.75	0.47	1.000	0.89	7.37	1.47	0.06
965621	VB.639/45 p-3/8-16x3/4	1.77	3/8-16	0.98	0.75	0.47	0.750	0.89	16.95	1.47	0.07

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* For impact strength (L) see Technical Data on page A-3.