Vario*Line* – stationary clamping system VLe

Innovation: Electric drive technology makes clamping technology compatible with Industry 4M.

Innovative

Electric drive technology from Ortlieb – now also in the clamping technology. For fixed installation in your machine tool.

- Electronic clamping force monitoring
- Electronic clamping force control
- Monitoring of the operating state
- Electronically monitored stop

Efficient

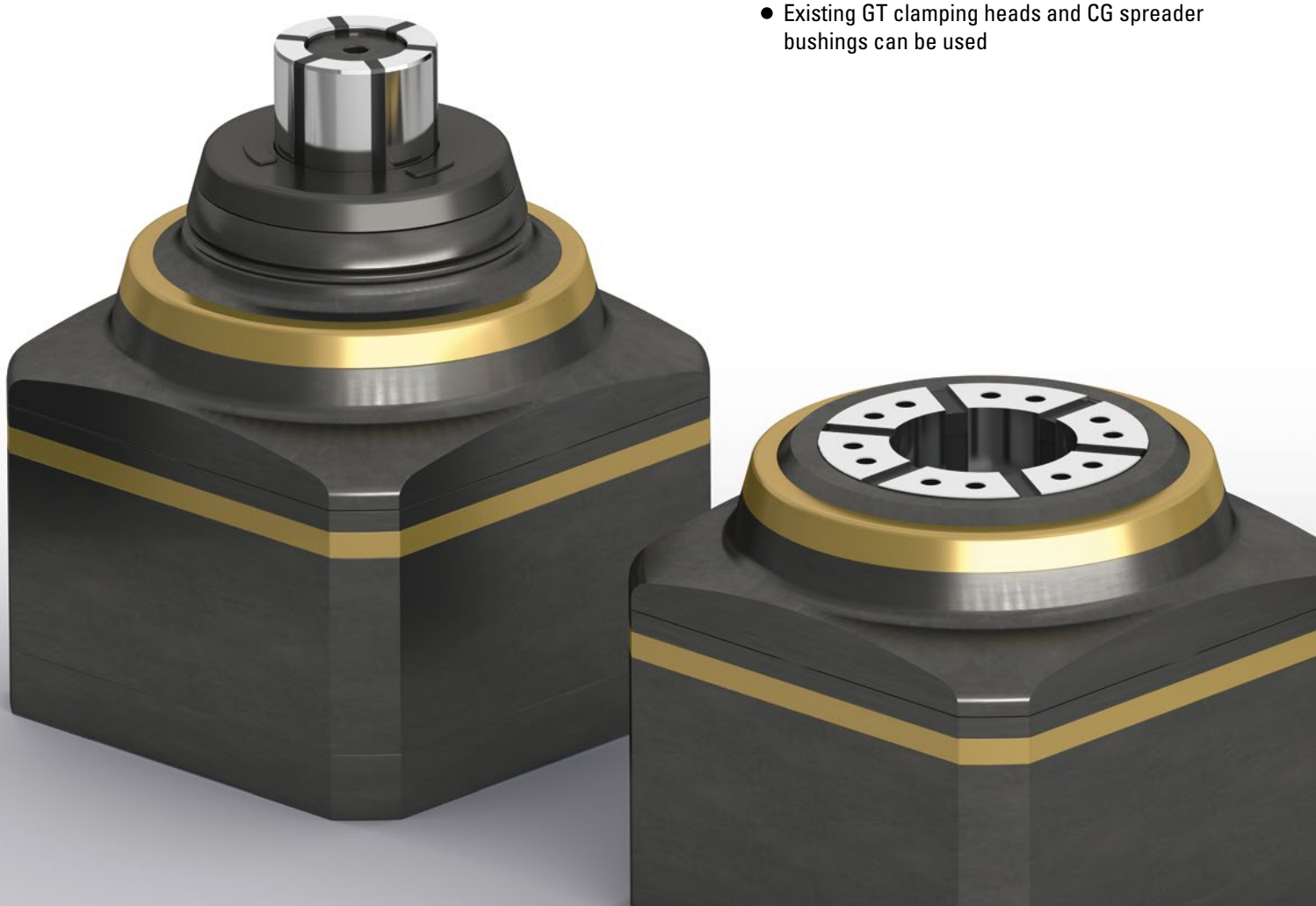
- Suitable for automated external loading using robots
- Suitable for automated pallet handling

Economical

- No leakages. Higher process reliability

Versatile

- Simple switch between external and internal clamping
- Conversion without dismantling the clamping device
- Centrifugal passage e.g. for two-sided machining of bar stock
- Basic stop for exact positioning of the workpiece in the Z position
- Front stop for striking against the clamping surface
- Existing GT clamping heads and CG spreader bushings can be used



Vario*Line* – stationary clamping system VLe

Innovative, efficient, economical and versatile.

Stationary use

The Ortlieb VLe electromechanical clamping unit is ideally suited as a clamping device for stationary clamping of workpieces in drilling, milling and machining centres.

Mobile use

The Ortlieb VarioLine VLe can also be used for automated external loading by robots or for automated pallet handling. Best suited for serial production.

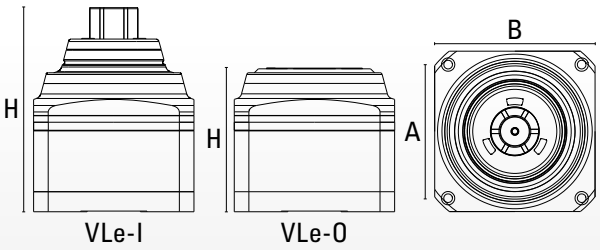
Modular external and internal clamping

An additional function of the VarioLine allows quick and easy conversion from external to internal clamping. For this, the chuck body and clamping element are replaced, the basic module remains the same.

Monitoring of clamping force, position and workpiece placement against the stop

On the VarioLine the built up of the clamping force and the monitoring of the clamping position are carried out indirectly via the current control of the servo motor or optionally via force sensors in the chuck body.
The clamping force is maintained frictionally engaged via the self-locking mechanism in the planetary rolling contact gear, even with the servo motor switched off.

It is optionally possible to monitor and correct the clamping force on the workpiece during the machining process via the servo controller. The position of the workpiece in relation to the contact surface on the clamping device can also be checked if needed.
The measurement is carried out via the inductive or capacitive sensors in the chuck body. Ideal conditions for Industry 4.0 integration.



Sizes and special solutions

Ortlieb's VarioLine VLe stationary clamping unit is available in three basic sizes and two versions as well as with a wide selection of clamping ranges. Special solutions are the rule rather than the exception at Ortlieb. **Ask us! We would be happy to advise you in detail, competent and without obligation.**

Model	Clamping range	Clamping device	B	A	H	max. tension force [kN]	max. clamping force [kN]	max. connection power [kW]
VLe-O 32/42	4 – 42	GT32 – 42	160	100	160 – 170	45	90	1.3
VLe-I 30	18 – 35	CG30	160	100	250	45	140	1.3
VLe-O 52/65	4 – 65	GT52 – 65	210	180	190	65	135	2
VLe-I 50/80	30 – 80	CG50 – 80	210	180	280 – 290	65	210	2
VLe-O 80/100	10 – 100	GT80 – 100	240	200	195 – 215	80	165	1.5
VLe-I 100/130	70 – 130	CG100 – 130	240	200	310 – 330	80	260	1.5

O = external clamping, I = internal clamping

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