



Workholding Systems EL

clamping against the fixed jaw, mechanically operated with hydraulic force transmission
 jaw widths 100, 125 and 160 mm



Advantages

- Steel base resistant to deformation
- Hydraulic force transmission
- Hardened and ground guideways
- Extensive range of jaws
- Easy clamping range adjustment by quick socket pin adjustment
- Angle drive or clamping force preselection can be retrofitted (accessories)
- Minimum set-up times
- Tapped hole in the fixed jaw for workpiece stop
- Clamping edge for clamping claws
- Quick cleaning by simple removal of the slide

Technical data

Clamping principle: **clamping against the fixed jaw**
 Operation: **mechanical**
 by crank handle with hydraulic force transmission

EL 100

Jaw width: 100 mm
 Clamping force: 25 kN
 Max. jaw opening: 205 mm

EL 125

Jaw width: 125 mm
 Clamping force: 40 kN
 Max. jaw opening: 225 mm

EL 160

Jaw width: 160 mm
 Clamping force: 50 kN
 Max. jaw opening: 309 mm

Application

Workholding systems EL are advantageously used in vertical machining for die, mould and fixture construction.

Accessories

See data sheet WS 1.300Z

- Clamping and quick-change jaws
- Clamping force preselection
 The clamping force preselection enables the force to be applied in 6 stages up to the maximum.
- Angle drive
 An angle drive that can also be retrofitted facilitates the operation, e.g. in the case of longitudinal clamping on the machine table.
- Workpiece stops
- Accessories for fixation

Delivery

- Standard jaws smooth/serrated
- Crank handle

Description

The workholding systems EL can be flexibly and quickly adapted to the most varied clamping ranges because of their socket pin adjustment.

Thanks to the hydraulic force transmission, the desired clamping force is achieved with a minimum effort on the crank handle.

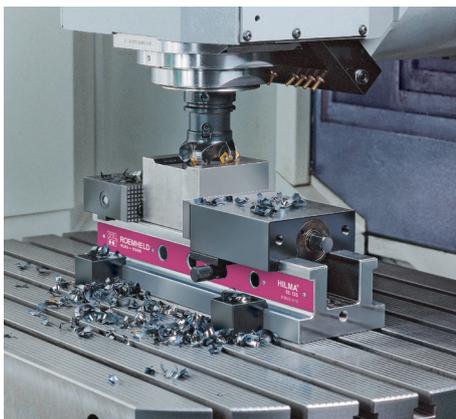
The workholding system can be easily and quickly cleaned by pulling out the socket pin and removing the clamping slide from the base. Thus cost intensive downtimes will be reduced.

Consultation

Our experts will be pleased to advise you also on site, and work with you to find the optimum clamping solution.

Extensive information such as drawings and CAD models are available on request.

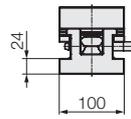
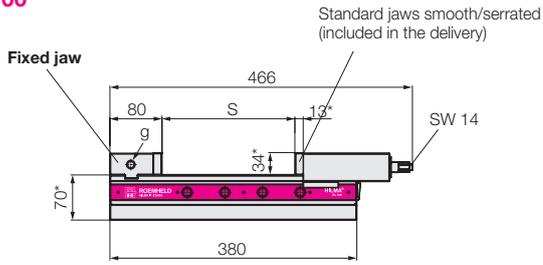
Application example



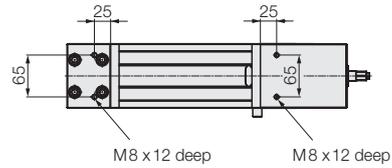
Workholding system EL

Technical data Dimensions

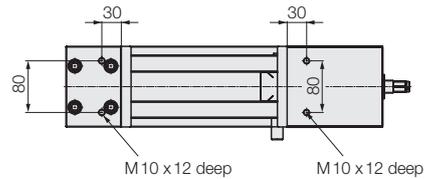
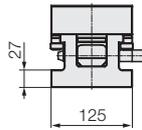
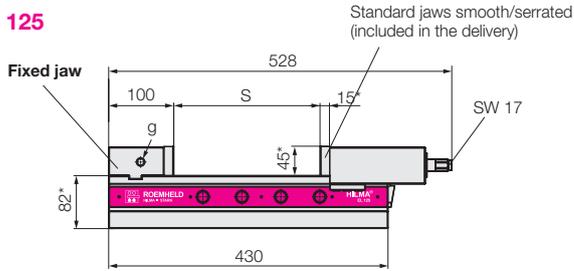
EL 100



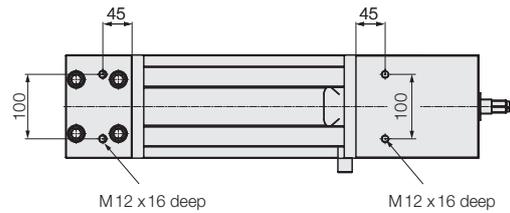
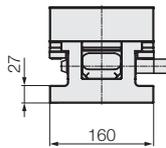
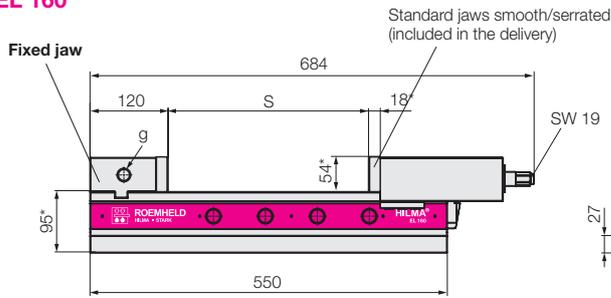
View from above



EL 125



EL 160



* Tolerance ± 0.01 mm
** Tolerance ± 0.02 mm
All dimensions in [mm]

Series		EL 100	EL 125	EL 160
Clamping principle		fixed jaw	fixed jaw	fixed jaw
Operation		mechanical	mechanical	mechanical
Clamping force	[kN]	25	40	50
Clamping range S ¹⁾	[mm]	0–205	0–225	0–309
g on both sides	[mm]	M12x18	M12x18	M20x27
Weight with clamping jaws	[kg]	18.5	31.5	58.5
Part no. with clamping jaws		93022 1113	93023 1113	93024 1113

¹⁾ with the clamping jaws shown. Further clamping jaws and accessories on data sheet WS 1.300Z.