

ES Machine Vice, mechanically operated



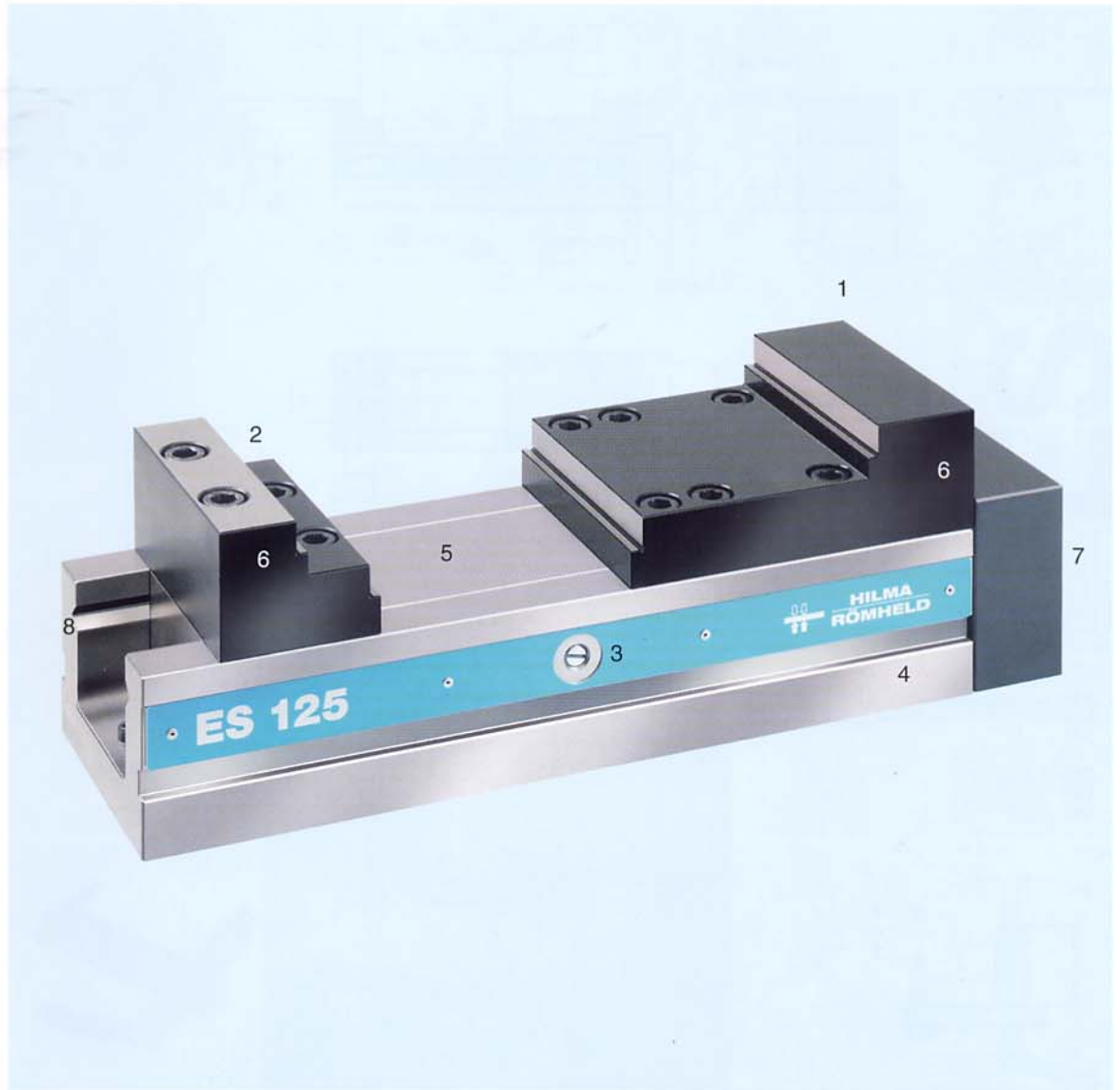
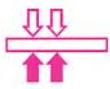
ES machine vices are used for a large number of clamping applications for metal-cutting operations.

A fixed jaw on the operator's side, high stability and precision, linear guidance almost free from play, a large clamping range between 10 and 300 mm without need for jaw change as well as a fully protected lead screw are the outstanding technical features.

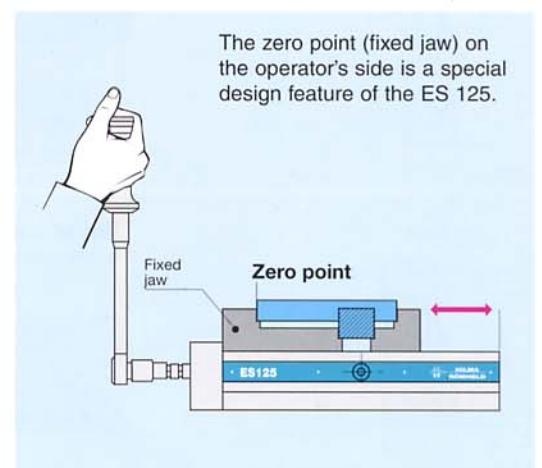
Standard stepped clamping jaws as well as a jointed handle are supplied with the vice.

The machine vice is suitable for accommodating special clamping jaws for specific workpieces.

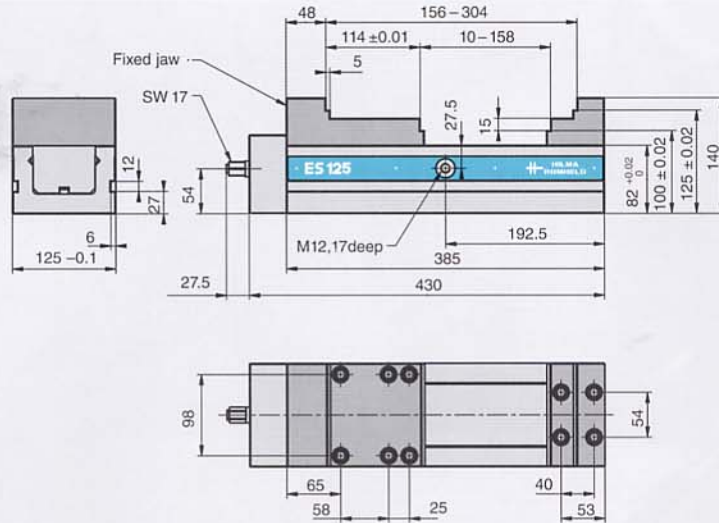
- ◆ Clamping range between 10 and 300 mm without need for jaw change
- ◆ Fixed jaw on the operator's side for optimum work-piece handling
- ◆ Linear guidance almost free from play
- ◆ Mechanical clamping without a power amplifier to give a clamping force of up to 40 kN
- ◆ Fully protected lead screw, no exposed openings, effective removal of chips and drainage of coolant



1. Fixed jaw on the operator's side
2. Clamping stroke 148 mm
3. Threaded holes for workpiece stops on either side
4. Clamping edge for clamping claws
5. Lead screw well-protected
6. Hardened and ground stepped jaws as standard
7. Mechanical lead screw (not visible)
8. Linear guidance of the movable jaw almost free from play ensures high precision

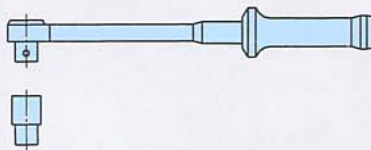


Technical data / Accessories



Clamping jaws and a jointed handle are supplied with the vice

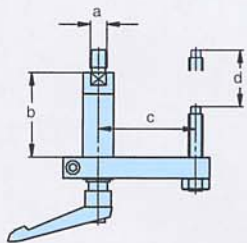
Clamping force / torque	40 kN/115 Nm
Clamping stroke movable jaw	148 mm
Weight without / with clamping jaws	25/34 kg
Part no.	9.3566.0101



Torque wrench (Accessory)

20 - 120 Nm with reversible ratchet, 1/2" square with ball lock

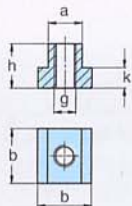
Part no.	Item
9.3792.6610	Torque wrench
1.3124.0017	Socket wrench SW 17



Precision workpiece stop

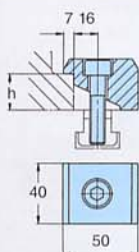
swivelling, with quick-set clamping, adjustable on 2 levels

Part no.	a	b	c	d
9.3291.0301	M 12	61	105	46



Set of key blocks DIN 508

Part no.	a	b	g	h	k
9.3777.3211 4 OFF = 1 set	14	22	M 12	16	8
9.3777.3231	18	28	M 12	20	10
9.3777.3311	18	28	M 16	20	10



Set of clamping claws including screws

for safe clamping on the machine bed

Part no.	h	Screw
9.3777.3011 4 OFF = 1 set	27	M 12 x 45 DIN 912
9.3777.3021	27	M 16 x 50 DIN 912

