Swivel and Pull Clamps
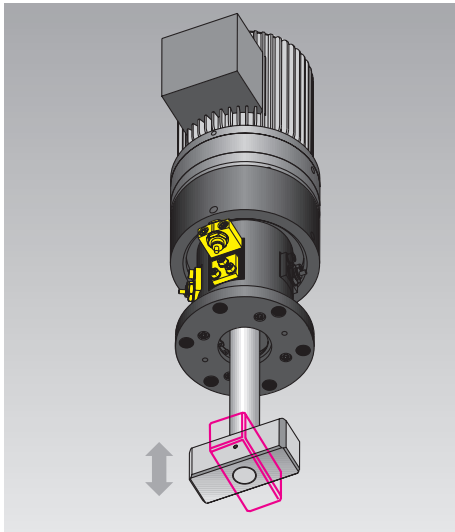## electro-mechanical, self-locking, with position monitoring, clamping force 70 and 160 kN, clamping stroke up to 15 mm

Application

Automatic clamping of dies
- on the press ram
- on blank holders
- at environmental temperatures up to max. 70 °C

Terminal connections

HAN 3 HvE

HAN 10 E

S1 — Clamping force monitoring
S2 — Unclamping position
S3 — Clamping range

Application example

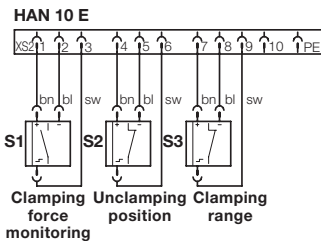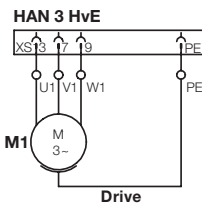Electro-mechanical swivel and pull clamps mounted on a double-column press.

Advantages
- High adaptability to varying clamping edge heights (clamping stroke up to 15 mm)
- Variable tie rod length
- High operational safety by position monitoring and automatic motion sequence
- Central operation of all clamping elements
- Compact and sturdy design
- Resistant to high mechanical loads
- Shock-resistant up to a max. ram acceleration of 12 *g*
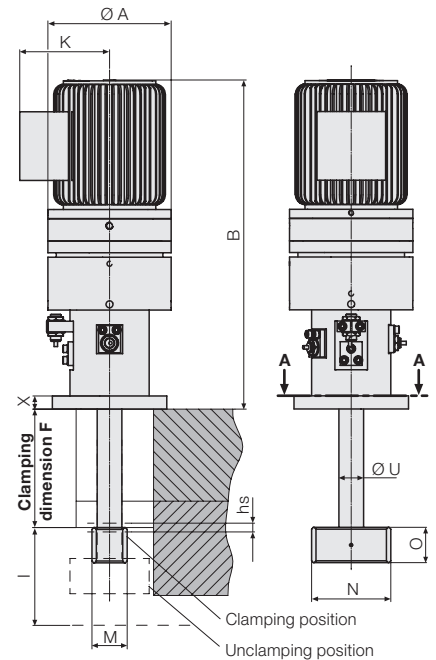- Suitable for retrofit and for installation in original equipment
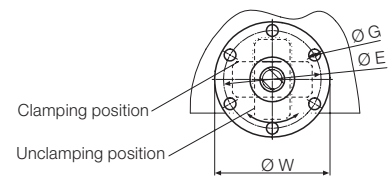
Description

The rotation of the motor is converted into a swivelling movement and a stroke of the tie rod by the flexspline gear and the lead screw.
For clamping, the tie rod is swivelled by 90°, starting at the unclamping position, and pulled towards the clamping position.
The clamping force and the clamping and un-clamping positions are monitored by inductive proximity switches.
The clamping force is maintained by self-locking.
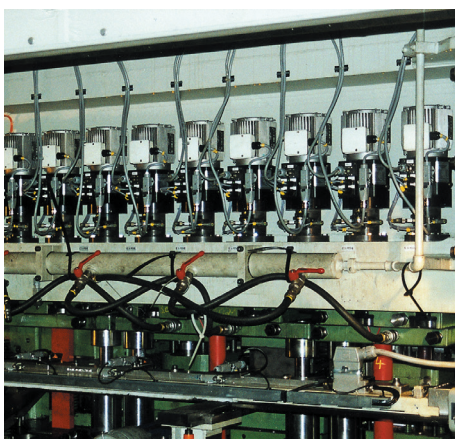

Section A-A

Technical data

Clamping force	[kN]	70	160
Max. static force	[kN]	110	300
Clamping speed	[mm/s]	3.8	4.1
Motor voltage	[V/Hz]	400/50	400/50
Motor rating	[kW]	0.55	1.1
Nominal current motor	[A]	2.1	3.55
A	[mm]	140	195
B	[mm]	374	500
E	[mm]	110	160
G	[mm]	13.5	13.5
Clamping stroke hs	[mm]	10	15
Swivelling stroke	[mm]	25	40
Installation space I	[mm]	90	135
K	[mm]	102.0	112.5
M	[mm]	40	60
N	[mm]	90	90
O	[mm]	40	65
U	[mm]	28	40
W	[mm]	130	180
X	[mm]	15	20
Part no.		826430101	826460101

Please specify the clamping dimension F when ordering.
Other T-slots, clamping dimensions, clamping forces and motor voltages are available on request.

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Subject to modifications