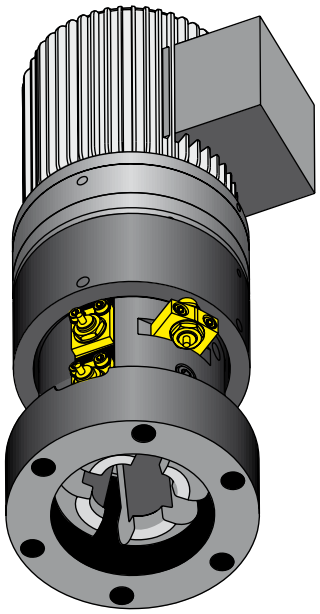
Tenon-type clamping element electromechanical



Applications:

Automatic clamping of dies

- on press rams
- on hold-down devices
- at max. ambient temperatures of 70°C

Function:

The rotation of the motor is converted into a grip and pull movement of the clamping claws by the flexspine gear and the lead screw.
For clamping, the claws grip the tenon of the clamping point and pull it towards the clamping element.
The clamping force and the clamping and unclamping positions are monitored by inductive proximity switches. The clamping force is maintained by self-locking.

Special features:

- position monitoring and an automatic cycle ensure high operational reliability
- central operation of all clamping elements
- compact design, rugged construction
- 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
- no colliding edges, smooth die positioning

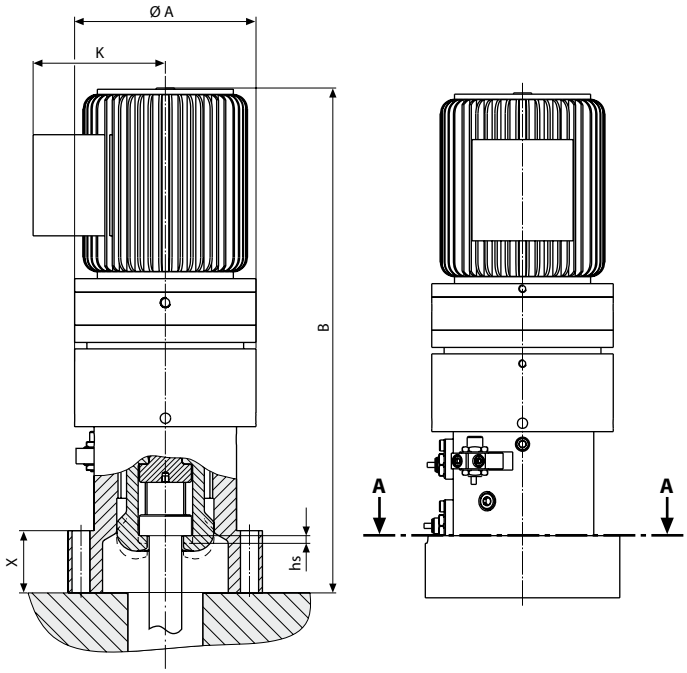
Hilma-Römheld GmbH
Schützenstraße 74 · 57271 Hilchenbach, Germany
Phone +49 (0) 2733 / 281-0 · Fax +49 (0) 2733 / 281-169 · www.hilma.de

ROEMHELD
HILMA ▪ STARK

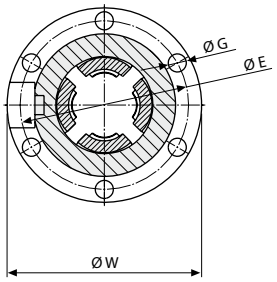
Tenon-type clamping element electromechanical

Technical data

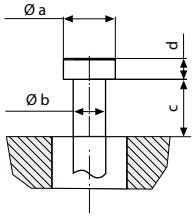
Type	8.2623.0101	8.2625.0101	8.2626.0101
Clamping force (kN)	**70**	**120**	**160**
Max. static force (kN)	110	200	300
Clamping speed (mm/s)	3,8	5,7	4,1
Connected motor voltage V/Hz)	400/50	400/50	400/50
Motor rating (kW)	0,55	1,1	1,1
Rated motor current (A)	2,1	3,55	3,55
a (mm)	40	50	60
b (mm)	25	32	40
c (mm)	44	48	48
d (mm)	16	20	25
A (mm)	140	160	195
B (mm)	390	470	516
E (mm)	130	150	170
G (mm)	14	14	14
Clamping stroke hs (mm)	5	5	5
K (mm)	102,0	112,5	112,5
W (mm)	150	172	200
X (mm)	48	55	65



Section A-A

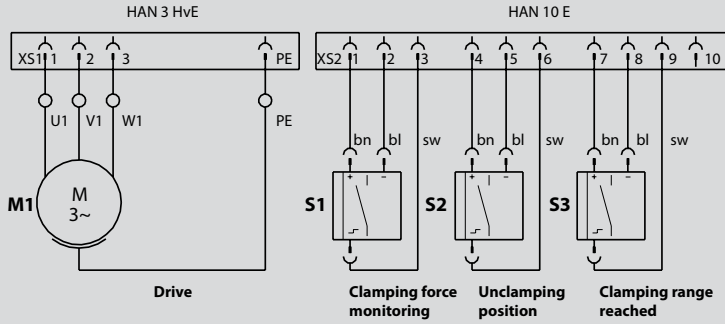


Geometry of the tenon



Other clamping dimensions, clamping forces and motor voltages are available on request

Terminal connections



Hilma-Römheld GmbH
Schützenstraße 74 · 57271 Hilchenbach, Germany
Phone +49 (0) 2733 / 281-0 · Fax +49 (0) 2733 / 281-169 · www.hilma.de