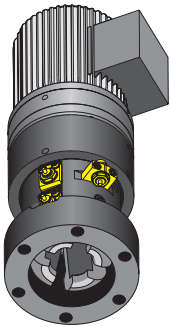


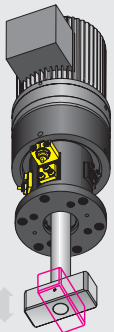
Angular clamp with lead screw,
electromechanical

5.2610



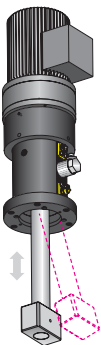
Tenon-type clamping element,
electromechanical

5.2620



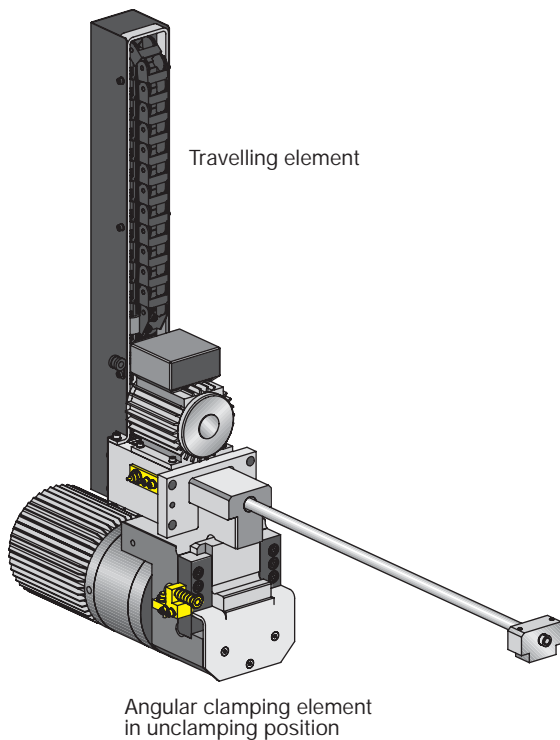
Swivel and pull clamping element,
electromechanical

5.2640



Swing clamp,
electromechanical

5.2650



Applications:

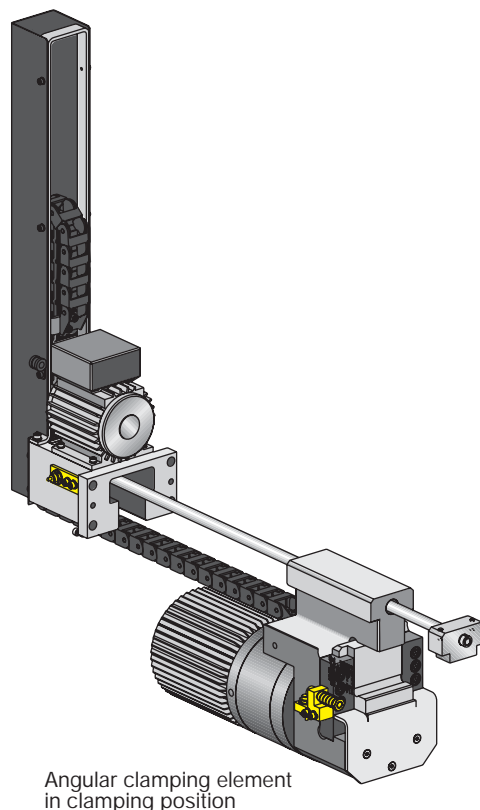
- ▶ Automatic clamping of dies
- ▶ on press rams
- ▶ on hold-down devices
- ▶ at max. ambient temperatures of 70°C

Function:

The angular clamping element driven by an electric motor is automatically moved to the clamping edge of the die by an electrically driven lead screw. The clamping element is guided in the T-slot of the press. Power transmission from the clamping element to the clamping edge of the die is ensured by the rotation of the motor, by a flexspine gear and a wedge system.

Advance movement: → Driven by an electric motor, the angular clamping element is moved to the clamping point.

Clamping movement: ↑ The clamping force is transmitted to the clamping point in the axial direction of the angular lever



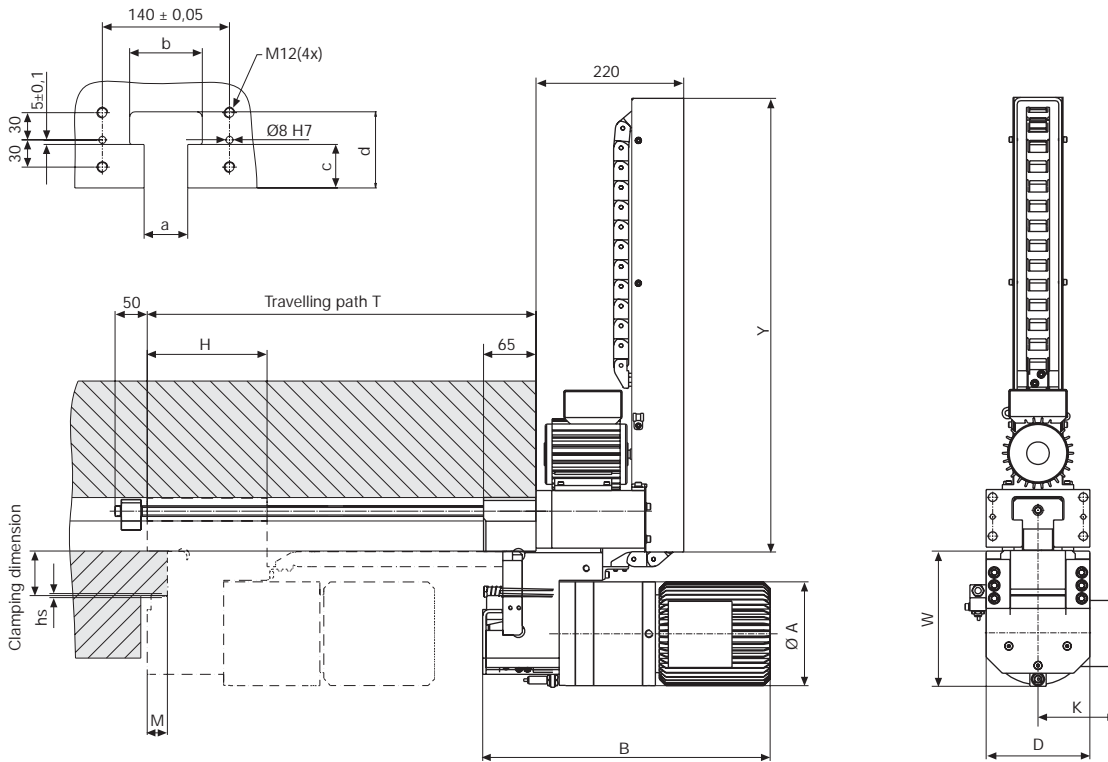
The clamping force and the clamping and unclamping positions are monitored by inductive proximity switches. The clamping force is maintained by mechanical self-locking, even in the event of power failure.

Special features:

- ▶ Clamping stroke 6 mm, which means high adaptability to varying heights of clamping edges
- ▶ Clamping in any position of the travelling path
- ▶ Position monitoring and an automatic cycle ensure high operational reliability
- ▶ Central operation of all clamping elements
- ▶ Mechanical self-locking provides additional safety
- ▶ 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



Geometry of the T-slot



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

Dimensions in mm

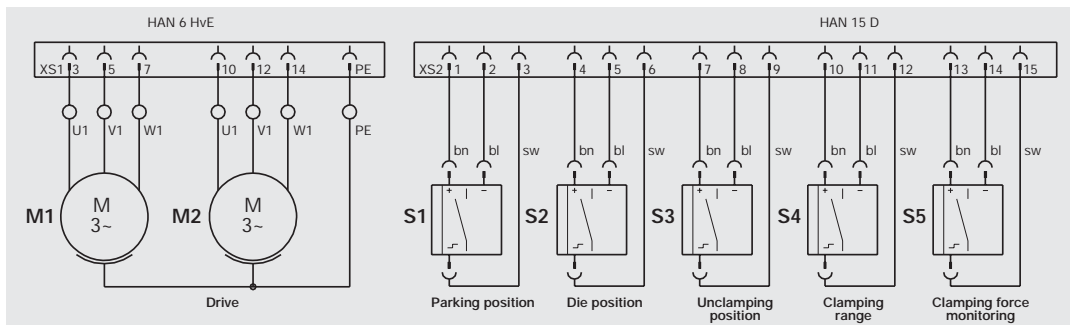
Type	Geometry of the T-slot				Dimensions in mm				Total stroke hs	Clamping stroke	Dimensions in mm				
	a	b	c	d	A	B	D	H			K	M	T	W	Y
8.2615.0101	48	80	48	84	160	409	160	185	6	2	123	31	1000	208	870
8.2616.0101	48	80	48	84	160	409	160	185	6	2	123	31	1000	208	870

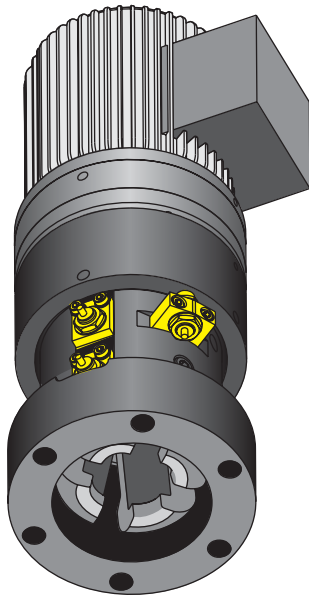
Clamping dimension to be quoted in the order

Technical data

Type	Clamping force	Max. static force	Travelling speed	Clamping speed	Connected motor voltage
8.2615.0101	120 kN	300 kN	64,0 mm/s	1,0 mm/s	400V/ 50Hz
8.2616.0101	160 kN	300 kN	64,0 mm/s	1,0 mm/s	400V/ 50Hz

Terminal connections





Applications:

Automatic clamping of dies

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

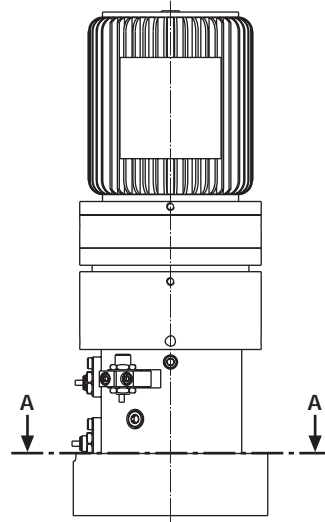
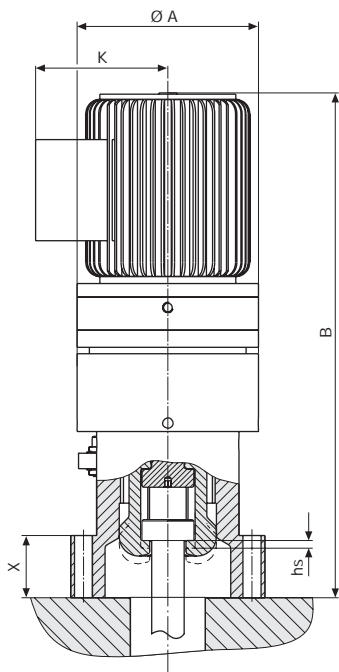
Function:

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.

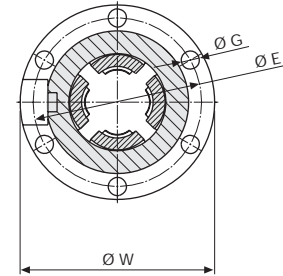
For clamping, the claws grip the tenon of the clamping point and pull it towards the clamping element. The clamping force and the clamping and unclamping positions are monitored by inductive proximity switches. The clamping force is maintained by self-locking.

Special features:

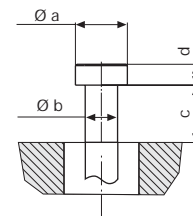
- ▶ Position monitoring and an automatic cycle ensure high operational reliability
- ▶ Central operation of all clamping elements
- ▶ Compact design, rugged construction
- ▶ Resistant to high mechanical loads
- ▶ Shock-resistant up to a max. ram acceleration of 12 g
- ▶ Suitable for retrofit and for installation in original equipment
- ▶ No colliding edges, smooth die positioning



Section A-A



Geometry of the tenon



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

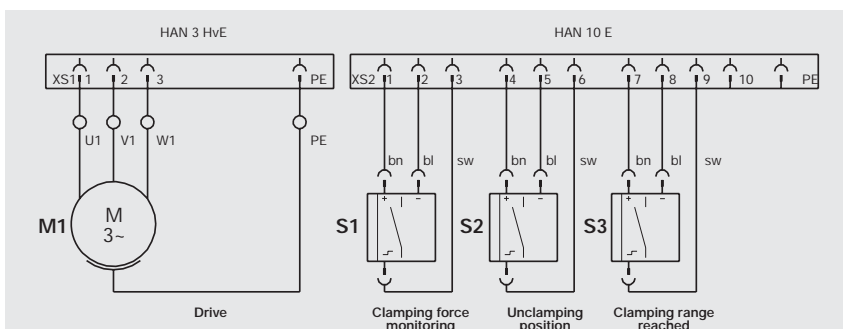
Dimensions in mm

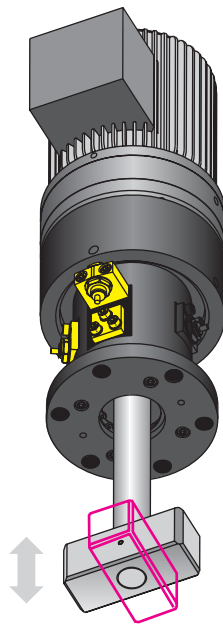
Type	Geometry of the tenon				Dimensions in mm								
	a	b	c	d	A	B	E	G	Clamping stroke hs	K	W	X	
8.2623.0101	40	25	44	16	140	390	130	14	5	102,0	150	48	
8.2625.0101	50	32	48	20	160	470	150	14	5	112,5	172	55	
8.2626.0101	60	40	48	25	195	514	170	14	5	112,5	200	65	

Technical data

Type	Clamping force	Max. static force	Clamping speed	Connected motor voltage	Motor rating	Rated motor current
8.2623.0101	70 kN	110 kN	3,8 mm/s	400V/ 50Hz	0,55 kW	2,1 A
8.2625.0101	120 kN	200 kN	5,7 mm/s	400V/ 50Hz	1,1 kW	3,55 A
8.2626.0101	160 kN	300 kN	4,1 mm/s	400V/ 50Hz	1,1 kW	3,55 A

Terminal connections





Applications:

Automatic clamping of dies

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

Function:

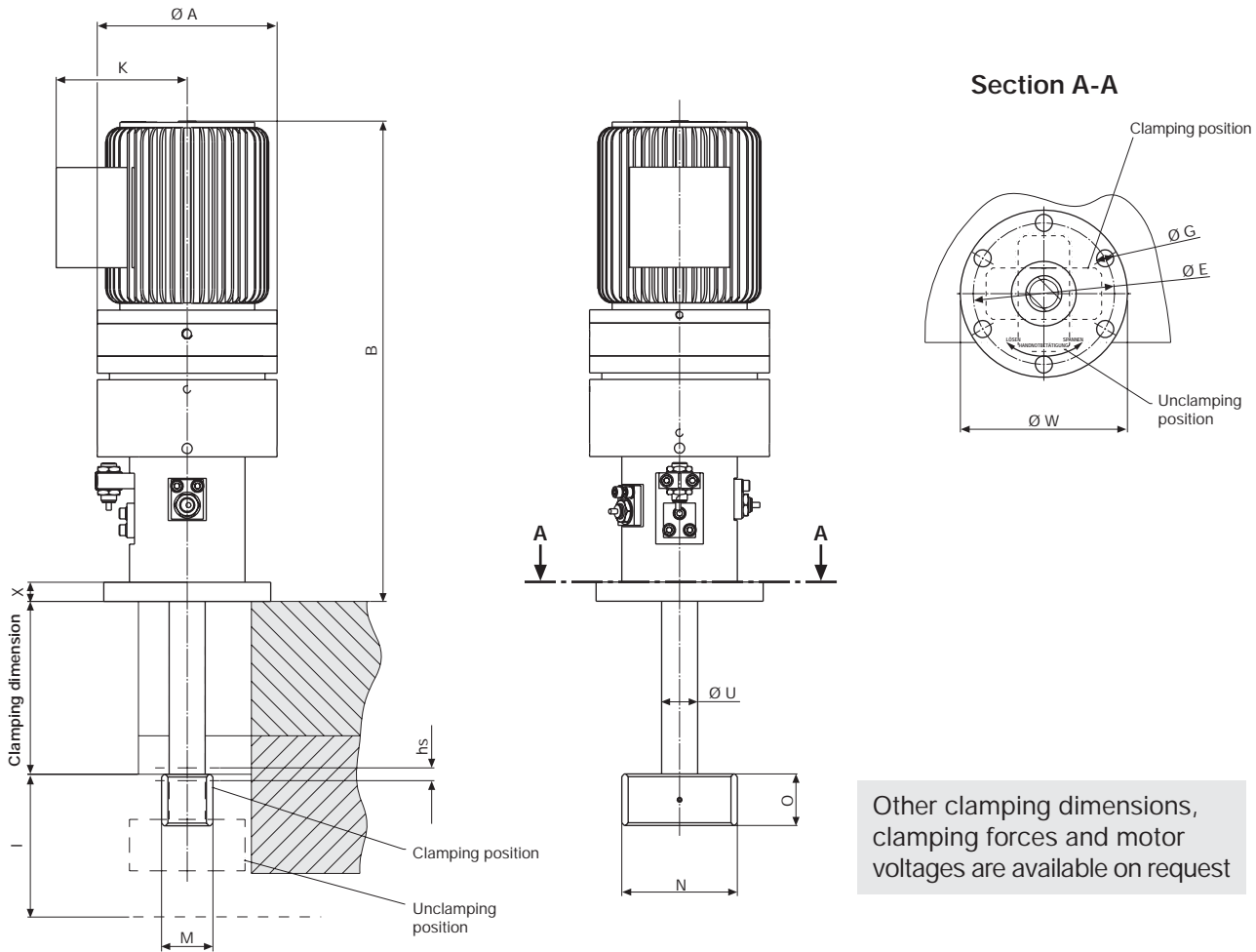
The rotation of the motor is converted into a swivelling movement and a stroke of the tie rod by the flexspine gear and the lead screw. For clamping, the tie rod is swivelled by 90°, starting at the unclamping position, and pulled towards the clamping position. The clamping force and the clamping and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

Special features:

- Clamping stroke up to 15 mm, which means high adaptability to varying heights of clamping edges
- Position monitoring and an automatic cycle ensure high operational reliability
- Central operation of all clamping elements
- Compact design, rugged construction
- Variable length of tie rod
- 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

Electromechanical swivel and pull
clamping elements mounted
on a transfer press.





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

Dimensions in mm

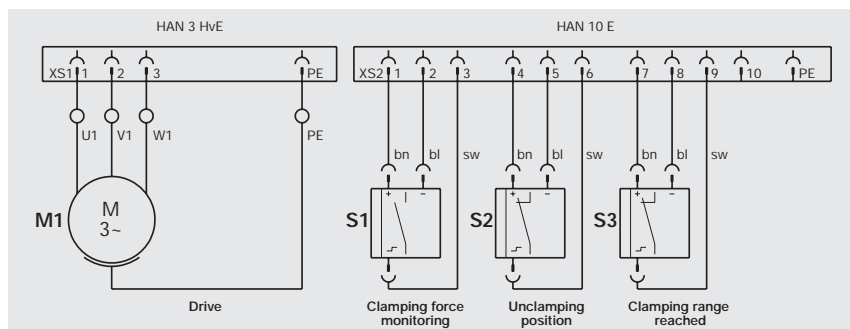
Type	A	B	E	G	Clamping stroke hs	Swiveling stroke	Installation space I	K	M	N	O	U	W	X
8.2643.0101	140	374	110	13,5	10	25	90	102,0	40	90	40	28	130	15
8.2645.0101	160	441	140	13,5	10	30	115	112,5	50	90	60	40	160	20
8.2646.0101	195	500	160	13,5	15	40	135	112,5	60	90	65	40	180	20

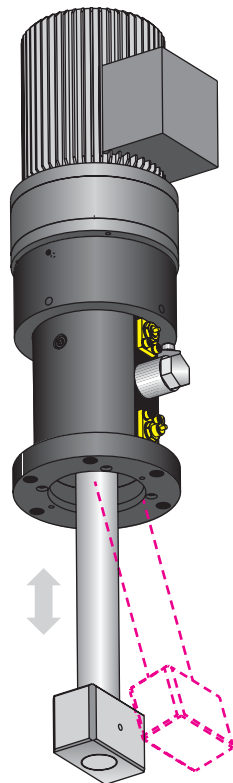
Clamping dimension to be quoted in the order

Technical data

Type	Clamping force	Max. static force	Clamping speed	Connected motor voltage	Motor rating	Rated motor current
8.2643.0101	70 kN	110 kN	3,8 mm/s	400V/ 50Hz	0,55 kW	2,1 A
8.2645.0101	120 kN	200 kN	5,7 mm/s	400V/ 50Hz	1,1 kW	3,55 A
8.2646.0101	160 kN	300 kN	4,1 mm/s	400V/ 50Hz	1,1 kW	3,55 A

Terminal connections





Applications:

Automatic clamping of dies

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

Function:

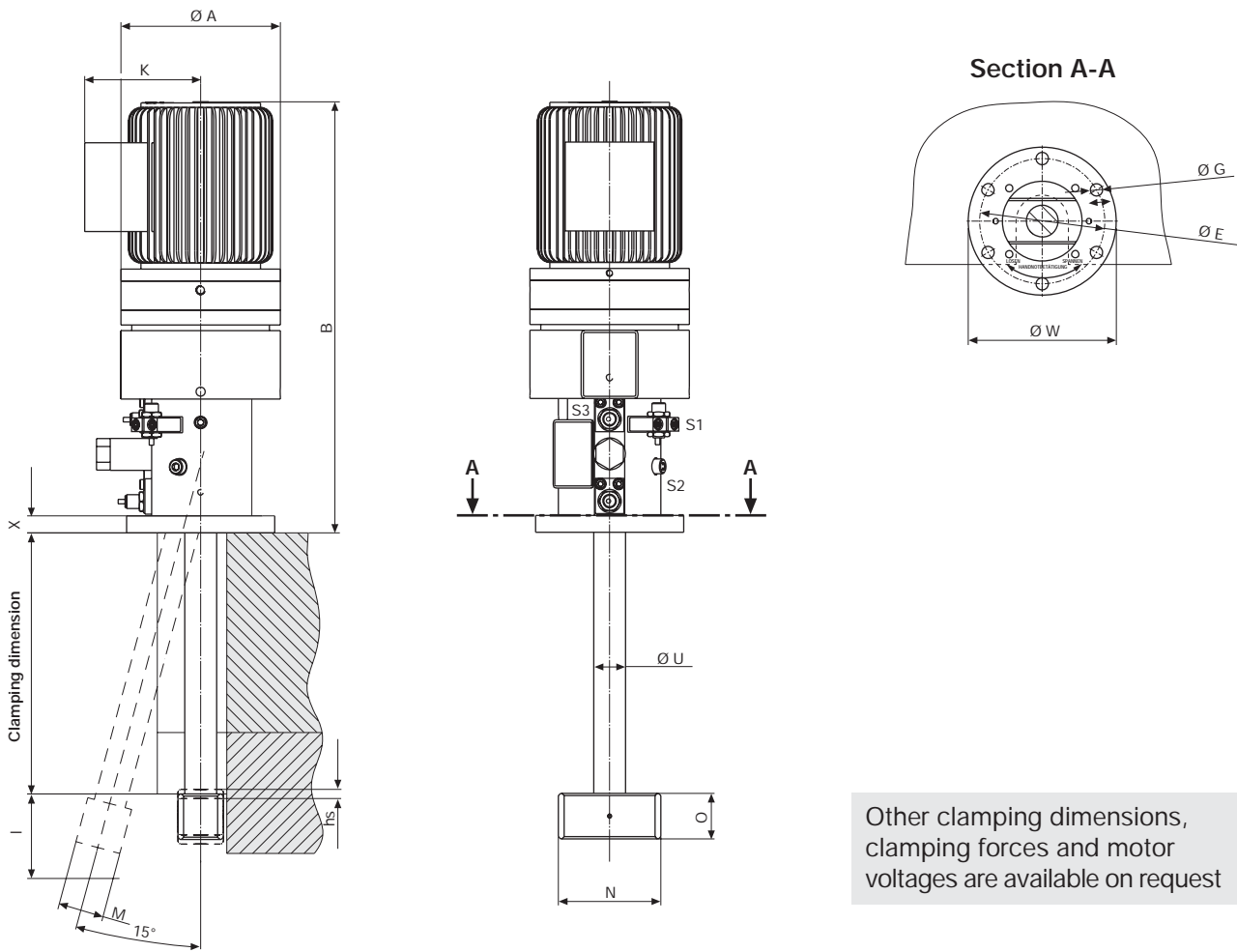
The rotation of the motor is converted into a swinging movement and a stroke of the tie rod by the flexspine gear, the lead screw and the control pin. The tie rod swings out by max. 15°. The clamping force is transmitted to the clamping point in the axial direction of the tie rod. The clamping force and the clamping and unclamping positions are monitored by inductive proximity switches. The clamping force is maintained by mechanical self-locking.

Special features:

- ▶ Clamping stroke up to 13 mm, which means high adaptability to varying heights of clamping edges
- ▶ Position monitoring and an automatic cycle ensure high operational reliability
- ▶ Central operation of all clamping elements
- ▶ Compact design, rugged construction
- ▶ Variable length of tie rod
- ▶ 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



Electromechanical swing clamps
mounted on a double-column press.



Dimension in mm

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

Type	A	B	E	G	Clamping stroke hs	Swing stroke	Installation space l	K	M	N	O	U	W	X
8.2653.0101	140	409	110	11	11	8,0	85	102,0	40	90	40	28	130	42
8.2655.0101	160	522	140	13,5	12	10,5	120	112,5	50	90	60	40	160	57
8.2656.0101	195	602	160	13,5	12	13,0	125	112,5	60	90	65	40	180	65

Clamping dimension to be quoted in the order

Technical data

Type	Clamping force	Max. static force	Clamping speed	Connected motor voltage	Motor rating	Rated motor current
8.2653.0101	70 kN	110 kN	3,8 mm/s	400V/ 50Hz	0,55 kW	2,1 A
8.2655.0101	120 kN	200 kN	5,7 mm/s	400V/ 50Hz	1,1 kW	3,55 A
8.2656.0101	160 kN	300 kN	4,1 mm/s	400V/ 50Hz	1,1 kW	3,55 A

Terminal connections

