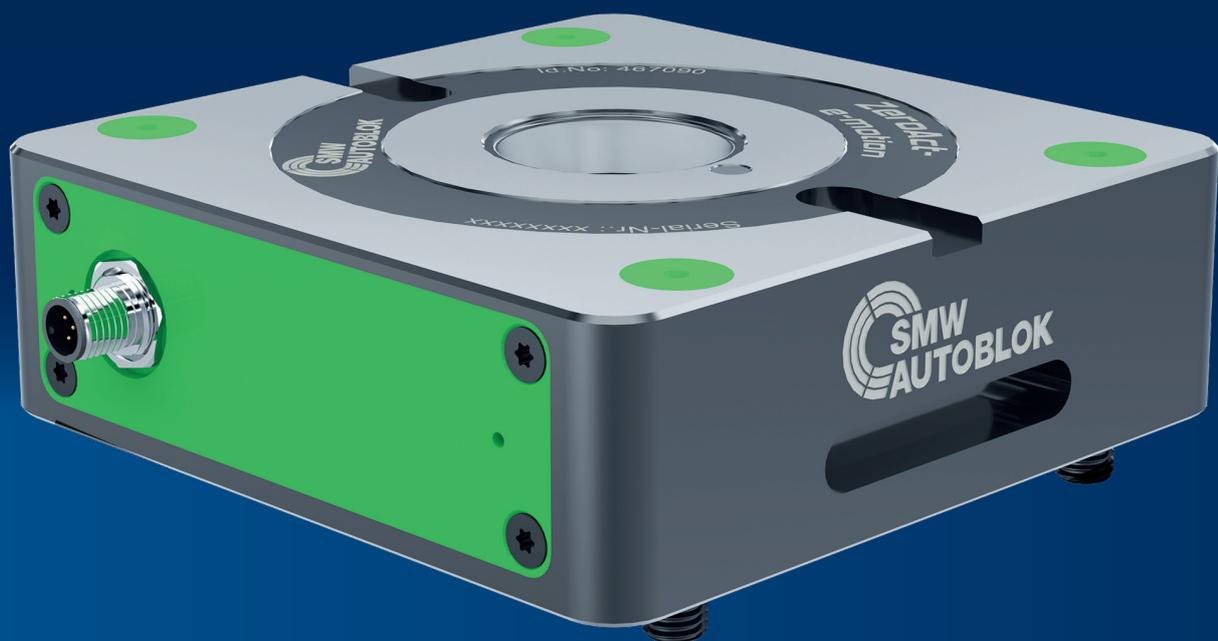


ZeroAct *e-motion*

MECHATRONIC ZERO POINT SYSTEM

FlexibLE
Suitable for standard APS / WPS / ZeroAct pins
Electronic contact free part detection
All safety systems integrated

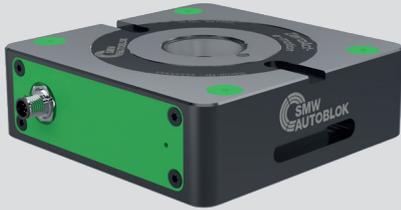


ZeroAct e-motion

Mechatronic clamping module

Mechatronic zero point clamping system

- Mechatronic actuation
- Safety sensors integrated
- e-sensing for inductive workpiece detection



proofline® series
fully sealed – low maintenance

Application/customer benefits

- Mechatronic actuation
- Safety sensors integrated
- Can be automated
- e-sensing: Inductive workpiece detection
- 100% electric, ideal for measuring machines and clean room applications
- Large Z-travel due to flat design (48 mm)
- High flexibility as the clamping bolts are compatible with APS / WPS / ZeroAct
- Mechanical self-locking in the clamped position
- Orientation keyways

Technical features

- Pull-down force: 15 kN
- Repeatability < 5 µm
- Holding force: 35 / 50 / 75 kN (M10 / M12 / M16) depending on thread of clamping pin
- 2 holding slides for maximum hold while clamping
- Connection: M12 x 1, 8 - pole for power and signals
- **proofline®** = fully sealed - low maintenance

Standard equipment

ZeroAct e-motion

ZeroAct e-motion

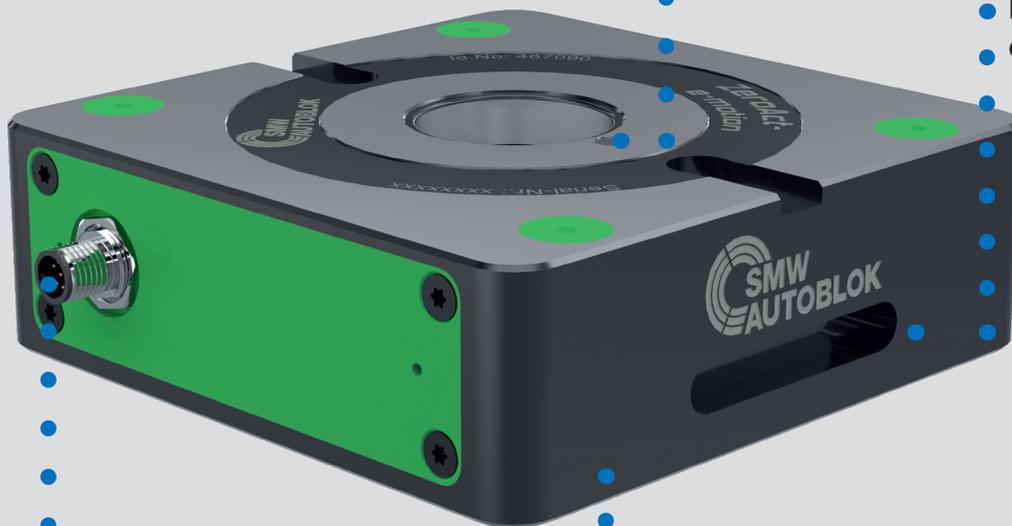
CLAMPING PLATE

Clamping bolts (suitable to
APS / WPS / ZeroAct)



● e-sensing: inductive
workpiece detection

● Integrated
control unit



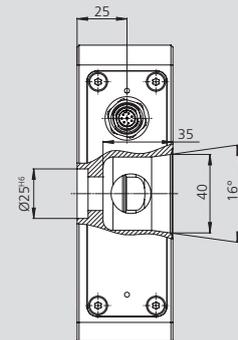
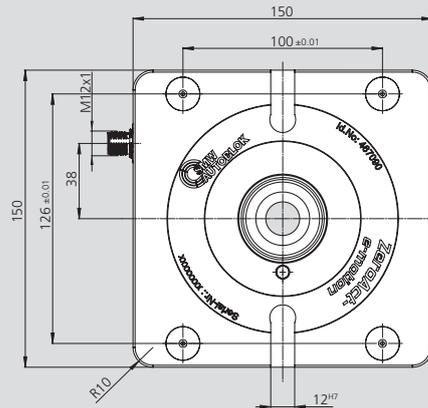
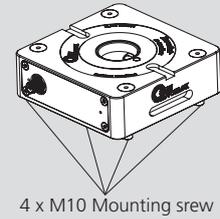
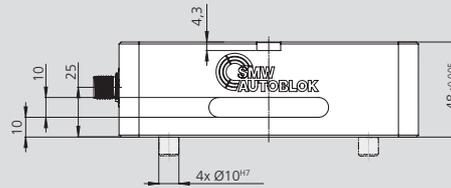
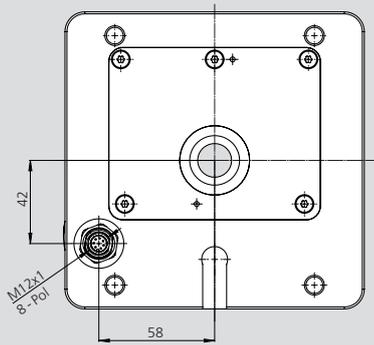
● Connection for
power + signals
from the side
or from bottom

● Sensoric for signals
„clamped“ or „unclamped“

Dimension and technical data

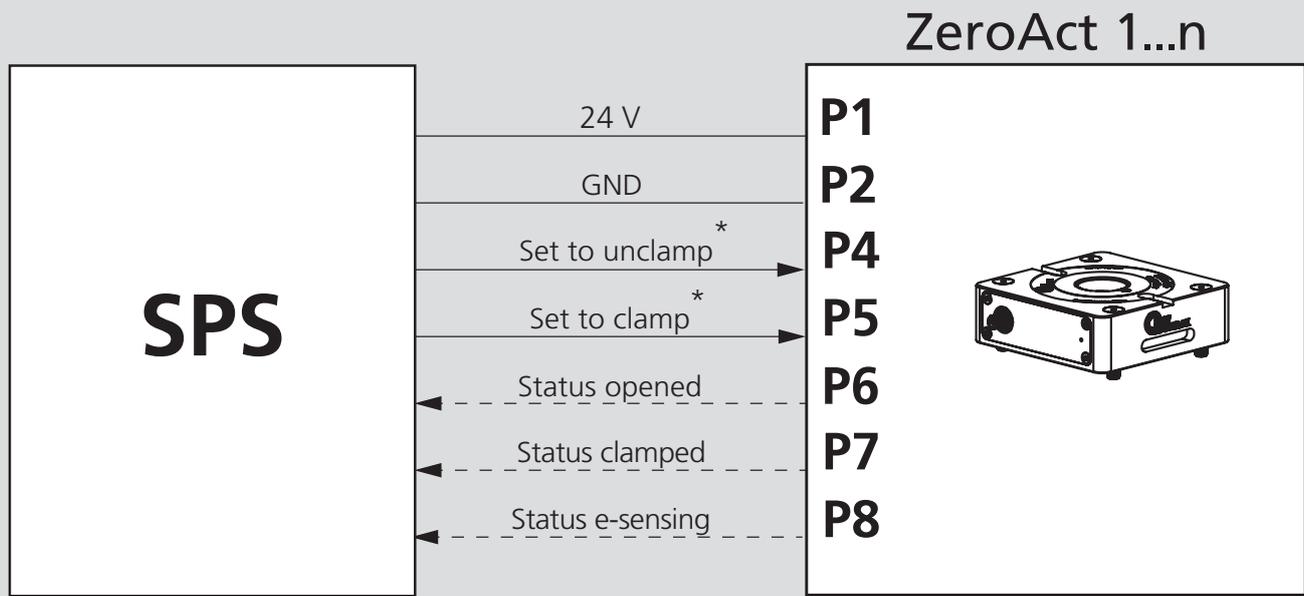
Mechatronic zero point clamping system

Option: Connection for power + signals from bottom



Subject to technical changes.
For more detailed information please ask our customer service.

Type		ZeroAct e-motion	
Id. No.		467090	
Pull-down force	kN	15	
Repeatability	mm	< 0.005	
Holding force clamping pin M10	kN	35	
Holding force clamping pin M12	kN	50	
Holding force clamping pin M16	kN	75	
Weight	kg	7	
Current consumption / voltage		2 A	
Pin 1		+ 24 VDC (2 A)	
Pin 2		GND	
Pin 3		n.c.	
Pin 4		Set to unclamp	
Pin 5		Set to clamp	
Pin 6		Status opened	
Pin 7		Satus clamped	
Pin 8		Satus e-sensing	

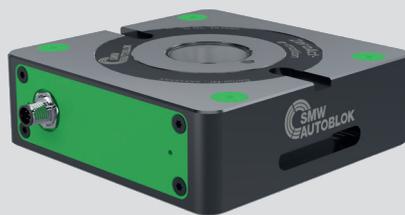


* Control unit 24 V

Overview signals

Pin	P6	P7	P8
ZeroAct opened	24 V	-	-
ZeroAct closed	-	24 V	-
ZeroAct in clamping movement / process	-	-	-
Not permitted	24 V	24 V	-
e-sensing (inductive workpiece detection)	-	-	24 V

Plug & Play



Zero Act e-motion



Integrated control

■ Clamping bolt 1-piece

Application/customer benefits

- Fixing and positioning on the ZeroAct e-motion clamping systems
- Wear resistant due to extra hard protective coating
- Large infeed radii for easy and safe loading

Technical features

- Centering bolt type A (standard)
- Sword bolt type B (positioning pin)
- Clamping bolt type C (with centering clearance 0.1 mm)

Standard equipment

Clamping bolt with fixing screw

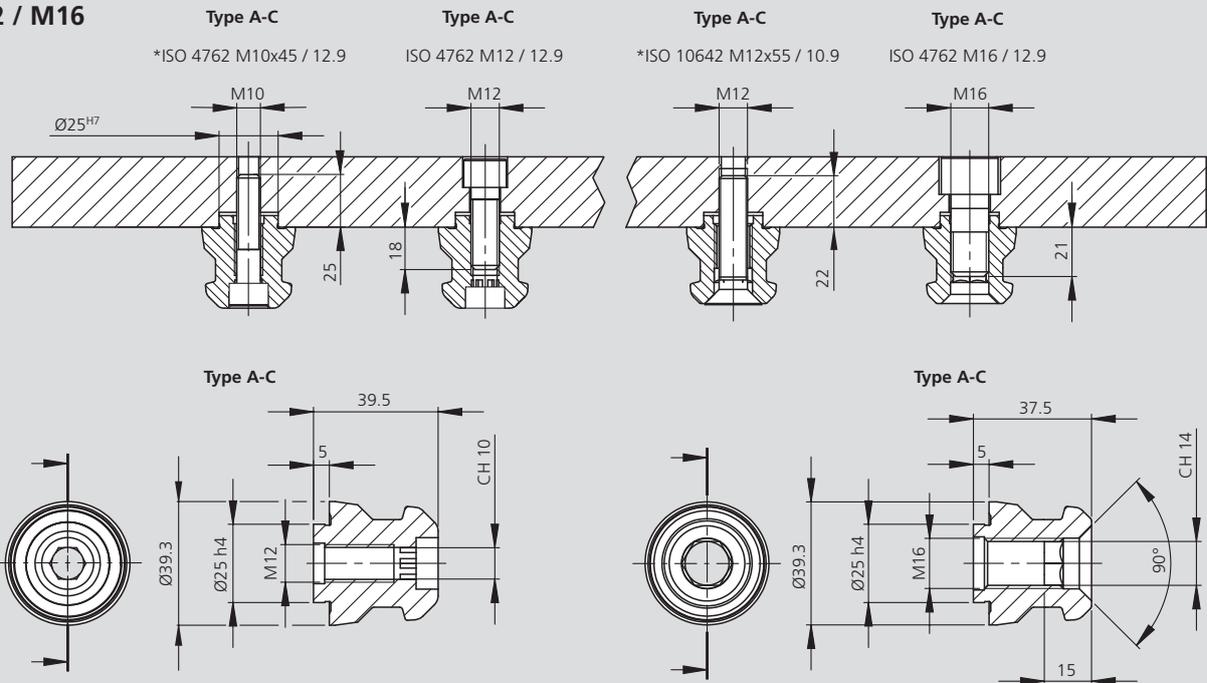


Type A

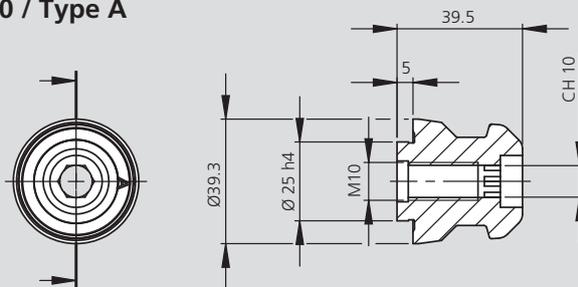
Type B

Type C

M12 / M16



M10 / Type A



Subject to technical changes. For more detailed information please ask our customer service.

Order numbers

Type	Thread	Type A Id. No.	Type B Id. No.	Type C Id. No.	Weight [kg]
Clamping bolt ZeroAct e-motion	M10 / 12.9	467008	on request	-	0.3
Clamping bolt ZeroAct e-motion	M12 / 12.9	46162355	on request	46162357	0.3
Clamping bolt ZeroAct e-motion	M16 / 12.9	46162455	on request	46162457	0.3

Notes

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