# Centering Clamping Elements • with clamping segments



## **Product Description**

For clamping and centering of workpieces with internal bore. Exact self centering with a precision of  $\pm 0,025$  mm. Due to the clamping segments being ground, workpieces with raw and/or machined surfaces can be frictionally connected, centered and held down at the seats. Large adjustment stroke and a low building height are a feature of the centering clamping element. **Mounting from either top or bottom.** 

#### **Material**

#### **Body**

· Tool steel, hardened, blackened

#### **Spring**

Stainless steel

#### Clamping segments

Stainless steel 1.4112, hardened and ground

#### **Assembly**

Assembly instruction for mounting from above: Remove clamping plate and screw. Screw in threaded pin from below, and tighten from above using female WS<sub>2</sub>.

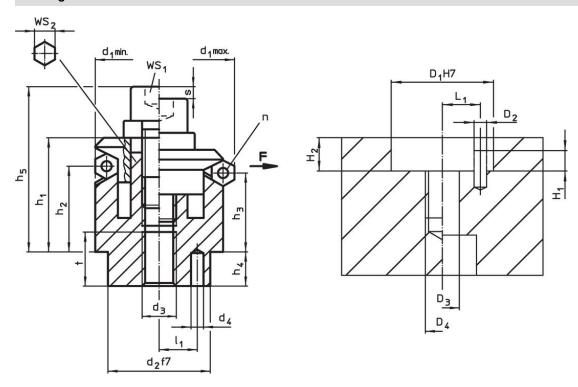
Further or detailed information can be found in the assembly and operating instructions.

#### More information

#### **Further products**

- Centering Clamping Elements, with clamping balls
- Centering Clamping Elements, with clamping segments, operation from the bottom
- Centering Clamping Elements, with clamping balls, operation from the bottom

#### **Drawing**



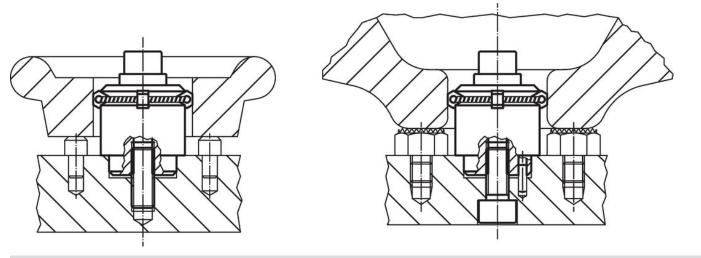
# **Order information**

Dimensions												Number of	Stroke WS			ClampingTightening			Location hole							Art. No.
d <sub>1</sub>	d₁	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	h <sub>4</sub>	h <sub>5</sub>	I <sub>1</sub>	t	segments	s	WS₁	WS <sub>2</sub>	force	torque	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	D <sub>4</sub>	H <sub>1</sub>	H <sub>2</sub>	L <sub>1</sub>		
min.	max.	f7		+0.3	-1				-2	±0.1		n				F	max.	H7					+0.5	±0.1		
																max.										
[mm]												[mm]	[m	m]	[kN]	[Nm]	[mm]					[g]				
70.5	86.5	60	M12	5	46	28.3	23.6	10	63	17	15	6	9.2	10	12	10	141	60	5	12	M12	5	10	17	1346	23340.0070



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# **Application example**



## Compliance

## **RoHS** compliant

Compliant according to Directive 2011/65/EU and Directive 2015/863.

## Does not contain SVHC substances

No SVHC substances with more than 0.1% w/w contained - SVHC list [REACH] as of 23.01.2024.

# Does not contain Proposition 65 substances

No Proposition 65 substances included. https://www.P65Warnings.ca.gov/

## **Free from Conflict Minerals**

This product does not contain any substances designated as "conflict minerals" such as tantalum, tin, gold or tungsten from the Democratic Republic of Congo or adjacent countries.



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