Centering Clamping Elements• with clamping balls, operation from the bottom 23340.0370



Product Description

To be used for accurate centering and clamping in blind holes of workpieces with locating hole. Exact self-centering with a precision of $\pm 0,025$ mm. The clamping balls frictionally center and hold workpieces with raw or pre-machined surfaces down to the bearing points. Large adjustment stroke and a small building height are a feature of this center clamping element. **Mounting from either top or bottom**.

Material

Body

· Tool steel, hardened, blackened

Spring

Stainless steel

Clamping balls

Stainless steel 1.4112, hardened and ground

Assembly

Assembly instruction for mounting from the top: Take-off clamping plate and screw. Fasten body by means of threaded pin via WS₂.

Operation

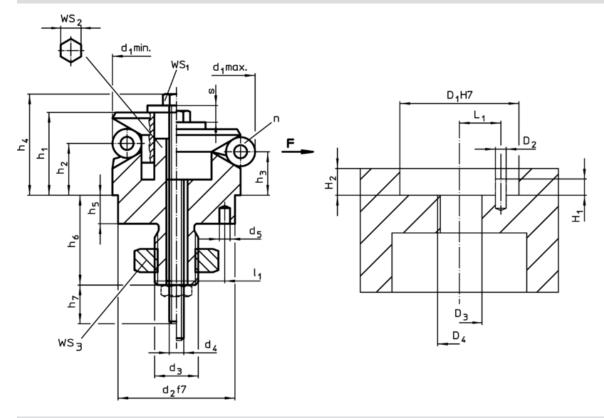
Operation from bottom manually or automatically with either pneumatic or hydraulic actuation.

More information

Further products

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

Drawing



Erwin Halder KG

Order information

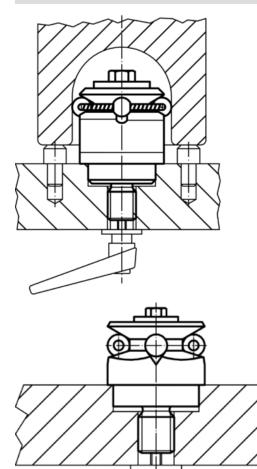
	Dimensions Numb															Stroke	ws (Clamping	Art. No.		
	of b															s				force	torque	hole	
d₁	d ₁	d ₂	d ₃	d₄	d ₅	h ₁	h ₂	h ₃	h₄	h ₅	h ₆	h ₇	l ₁	Ball	n		ws₁	WS ₂	WS ₃	F	max.	DDD D4HHL	
min.	max.	f7			+0,3		_		-2	ŭ	+1	~	±0,1	ø				-		max.		H +⊕0	
	[mm]															[mm]		[mm]		[kN]	[Nm]	[mm] [g	
70,5	86,5	60	M16 x 1,5	M8	5	46,1	28,3	23,7	55,4	10	29,4	20	17	16	6	9,2	13	12	24	10	43	61 05 1166 x61, 550 127	223340.0370

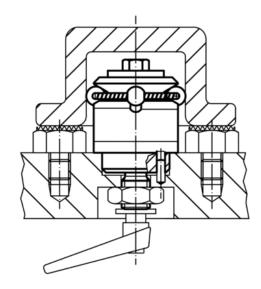


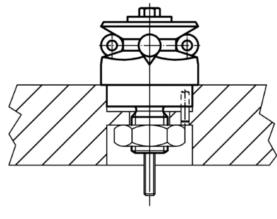
www.halder.com Page 1 of 2

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Application example







Erwin Halder KG

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