Centering Clamping Elements· with clamping balls
23340.0270

Product Description

To be used for accurate centering and clamping of workpieces with locating hole on which light spherical marks are acceptable. Exact self-centering with a precision of ±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

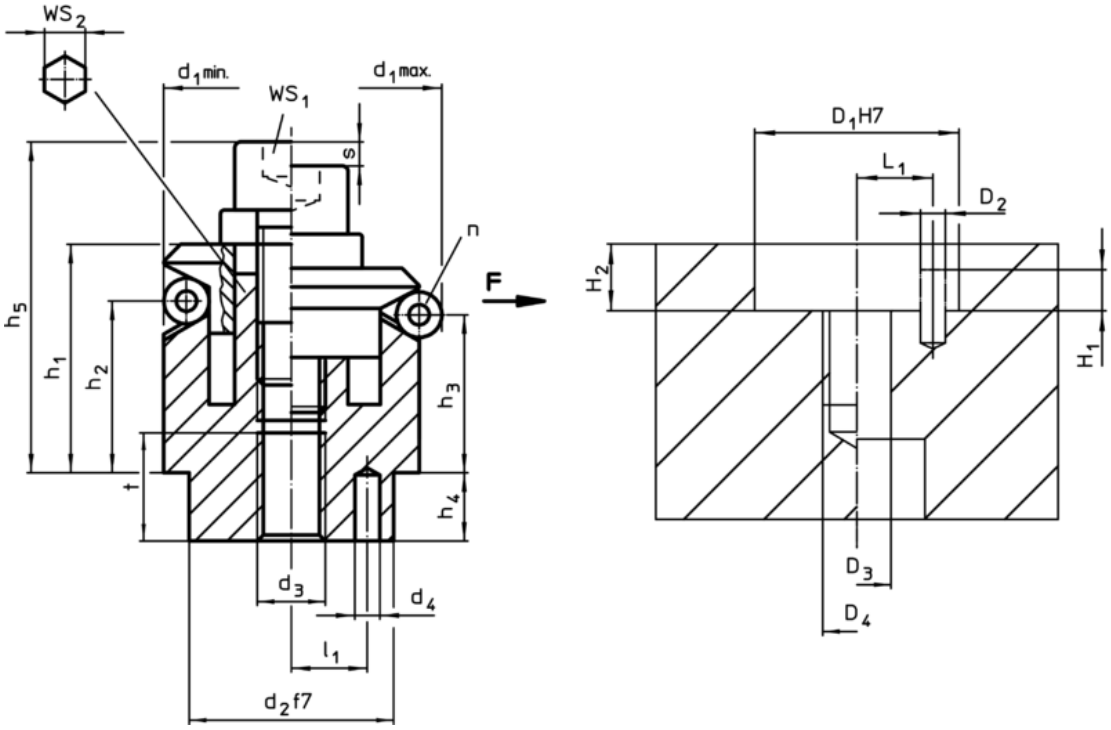
Assembly instruction for mounting from the top: Take-off clamping plate and screw. Fasten body by means of threaded pin via WS_2.

More information

Further products

- Centering Clamping Elements, with clamping segments

Drawing



Order information

Dimensions													Number of balls	Stroke	WS		Clamping force	Tightening torque	Location hole								Art. No.
d_1 min.	d_1 max.	d_2 f7	d_3	d_4 +0,3	h_1 -1	h_2	h_3	h_4	h_5 -2	l_1 ±0,1	Ball Ø	t	n	s	WS_1	WS_2	F max.	max.	D_1 H7	D_2	D_3	D_4	H_1	H_2 +0,5	L_1 ±0,1		
[mm]														[mm]	[mm]		[kN]	[Nm]	[mm]							[g]	
70,5	**86,5**	60	M12	5	46,1	28,3	23,7	10	63,1	17	16	15	6	9,2	10	12	10	141	60	5	12	M12	6,5	10	17	1271	23340.0270

Application example