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Centering Clamping Mandrels

EH 23340.



Product Description

The centering clamping mandrels are often used in mechanical engineering. However, thanks to their simple operation and quick assembly, they can be used in all industries.
Centering clamping mandrels are used for centering and clamping of workpieces with a locating hole.
The centering clamping mandrels have the following characteristics:

- Very high accuracy for turning/milling processes
- Ideal for secondary operations on turned parts
- Hardened and coated screw for long service life
- Clamping body can be machined very easily (for adaptation to bore diameter)

Material

Body

- Steel, blackened

Clamping screw

- Case-hardened steel, case-hardened

Assembly

The centering clamping mandrel can be machined to the required seating diameter (e.g. by turning/milling). It must be noticed that before machining the centering clamping mandrel, it will be expanded approx. 0.1 mm over the clamping diameter. To machine the mandrel, a nut will be provided.
Further or detailed information can be found in the assembly and operating instructions.

More information

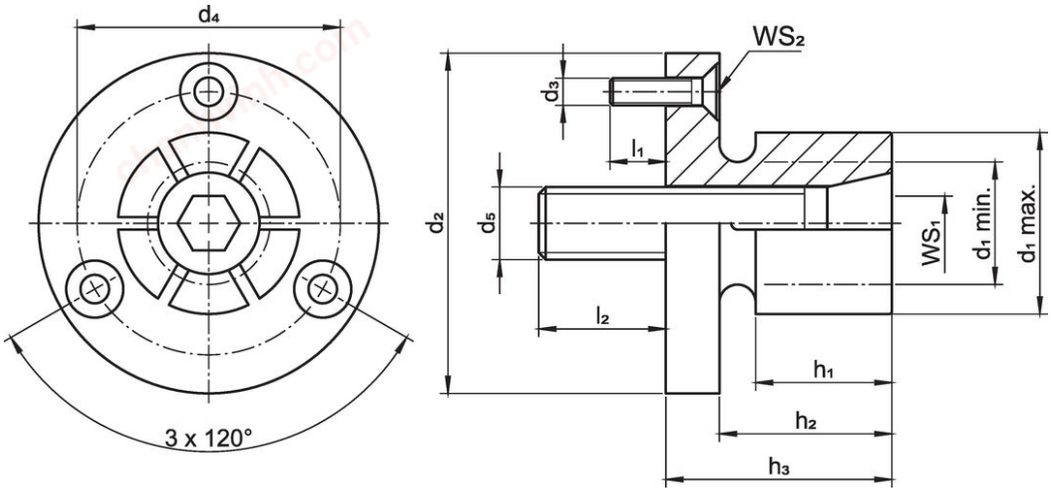
Notes

Customized design on request.

Further products

- Centering Clamping Mandrels, with lateral handling

Drawing



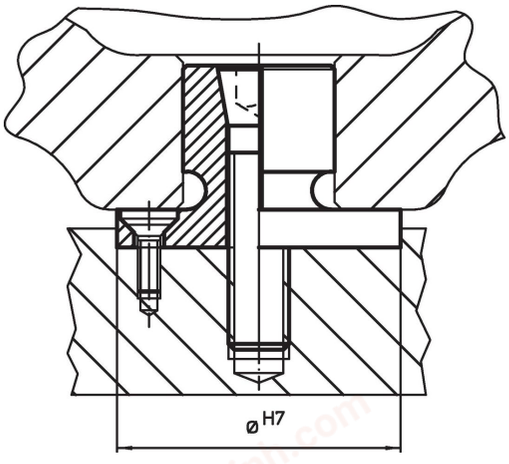
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Order information

Dimensions											Number of segments	WS		Clamping force max.	Tightening torque max.	Location hole H7		Art. No.
d_1 min.	d_1 max.	d_2 -0.05	d_3	d_4	d_5	h_1	h_2	h_3	l_1 ~	l_2		WS_1	WS_2					
[mm]												[mm]		[kN]	[Nm]	[mm]		
8.0	**12.4**	29.72	M3	21.0	M 4	15.0	16.0	21.8	6	8	4	3	2.0	3	3.5	29.72	58.0 g	23340.0104
12.2	**14.2**	31.50	M3	23.1	M 6	15.0	19.0	24.9	6	12	4	5	2.0	6	12.0	31.50	62.0 g	23340.0106
13.5	**20.0**	37.50	M3	29.0	M 8	15.0	19.0	24.9	6	14	6	6	2.0	8	24.0	37.50	104.0 g	23340.0108
18.0	**27.0**	50.00	M4	39.4	M10	17.5	22.2	28.6	7	17	6	8	2.5	13	42.0	50.00	191.0 g	23340.0111
25.4	**35.3**	56.00	M4	45.5	M12	20.6	25.4	31.8	7	21	6	10	2.5	15	105.0	56.00	306.0 g	23340.0112
30.0	**51.0**	75.50	M5	63.9	M16	27.0	31.8	39.6	12	20	6	14	3.0	26	200.0	75.50	762.0 g	23340.0116
30.0	**77.0**	107.50	M6	92.5	M16	32.3	37.6	45.5	12	20	8	14	4.0	26	200.0	107.50	1.8 kg	23340.0118[1)]

[1)] including clamping nut and clamping ring to enable machining as described in note

Application example



Compliance

RoHS-compliant
Compliant with Directive 2011/65/EU [RoHS].

Does not contain SVHC substances
No SVHC substances with more than 0.1% w/w contained - SVHC list [REACH] as of 04.02.2026.

SCIP-code
N/A

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.

POP-compliant
Contains no persistent organic pollutants – Stockholm Convention [POP] as of September 2025.

PFAS-compliant
Contains no per- and polyfluoroalkyl substances (PFAS).

TSCA-compliant
Agent concentration in this product does not exceed the specified threshold.