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Positioning Clamping Pins

EH 23111.



Product Description

The positioning clamping pin allows fast clamping, fastening, adjusting, changing and securing of workpieces, plates, fixture systems etc.
The positioning clamping pin is centred and clamped with four balls in the locating bush by tightening the clamping bolt. The clamping bolt can be operated manually via a removable handle or using a hex key.
Product benefits at a glance:
Benefits thanks to spring pre-loading:

- Low-wear.
- Clamping balls and locating hole are protected from being overloaded.
- No overstressing of the clamping bolt, preventing the pin from jamming.

- Spring pre-loading also dampens vibrations during chip removal.
- Protection against inadvertent loosening of the pin (e.g. caused by vibration).
- High repeatability of ± 0.03 mm.
- Handling facilitated during installation / disassembly thanks to spanner flats and knurls.
- Flat construction height.
- Operation by optional removable handle or using a hex key.

Material

- Heat-treated steel, tempered, blackened
- Stainless steel 1.4542, precipitation-hardened

Operation

By tightening the clamping bolt, the positioning clamping pin is centred and clamped in the locating bushing by means of four balls. The clamping bolt can be operated manually via a removable handle (art. no. 23111.0900/.0902) or using a hexagon key.

More information

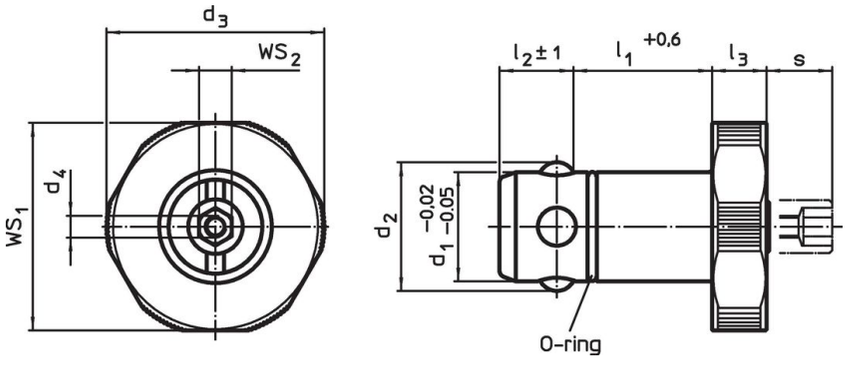
Accessories

Suitable bushings are available.

Further products

- Manual Handles, for positioning clamping pins
- Bushings, for positioning clamping pins
- Locating Bushings, for positioning clamping pins, for press fit
- Locating Bushings, for positioning clamping pins, for screw fit
- Quick Clamping Pins

Drawing

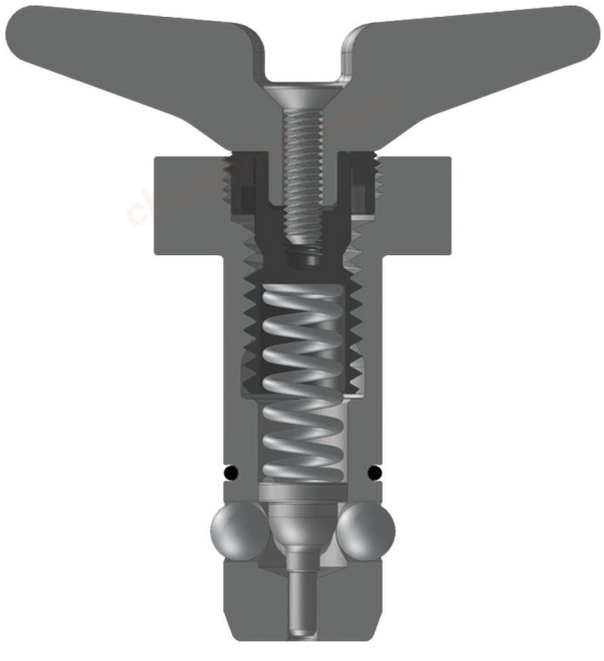


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Order information

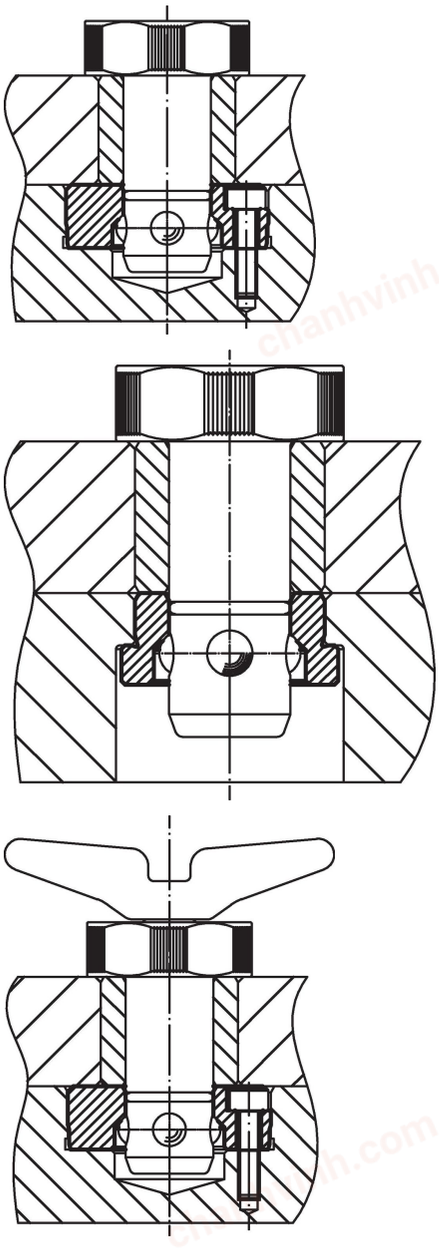
Dimensions								For base plates	WS_1	WS_2	Holding force		Art. No.
d_1 -0.02 -0.05	l_1 +0.6	d_2	d_3	d_4	l_2 ±1	l_3	s max.	±0.05					
[mm]								[mm]	[mm]	[mm]	[kN]	[g]	
Heat-treated steel													
16	**25**	18.7	32	M4	13.6	10	9.5	20	30	6	5	116	23111.0016
16	**30**	18.7	32	M4	13.6	10	9.5	25	30	6	5	120	23111.0018
20	**25**	23.6	40	M4	13.6	10	10.0	20	38	6	6	190	23111.0020
20	**30**	23.6	40	M4	13.6	10	10.0	25	38	6	6	193	23111.0022
25	**25**	29.0	45	M4	18.6	10	11.0	20	43	10	8	267	23111.0025
25	**30**	29.0	45	M4	18.6	10	11.0	25	43	10	8	287	23111.0027
25	**40**	29.2	45	M4	18.6	10	11.0	35	43	10	8	324	23111.0029
30	**25**	34.6	55	M4	18.6	10	11.0	20	53	10	10	411	23111.0030
30	**30**	34.6	55	M4	18.6	10	11.0	25	53	10	10	424	23111.0032
30	**40**	35.0	55	M4	18.6	10	11.0	35	53	10	10	484	23111.0034
Stainless steel													
16	**25**	18.7	32	M4	13.6	10	9.5	20	30	6	5	122	23111.0116
16	**30**	18.7	32	M4	13.6	10	9.5	25	30	6	5	124	23111.0118
20	**25**	23.6	40	M4	13.6	10	10.0	20	38	6	6	165	23111.0120
20	**30**	23.6	40	M4	13.6	10	10.0	25	38	6	6	191	23111.0122
25	**25**	29.0	45	M4	18.6	10	11.0	20	43	10	8	268	23111.0125
25	**30**	29.0	45	M4	18.6	10	11.0	25	43	10	8	286	23111.0127
25	**40**	29.2	45	M4	18.6	10	11.0	35	43	10	8	322	23111.0129
30	**25**	34.6	55	M4	18.6	10	11.0	20	53	10	10	375	23111.0130
30	**30**	34.6	55	M4	18.6	10	11.0	25	53	10	10	402	23111.0132
30	**40**	35.0	55	M4	18.6	10	11.0	35	53	10	10	480	23111.0134

Application example

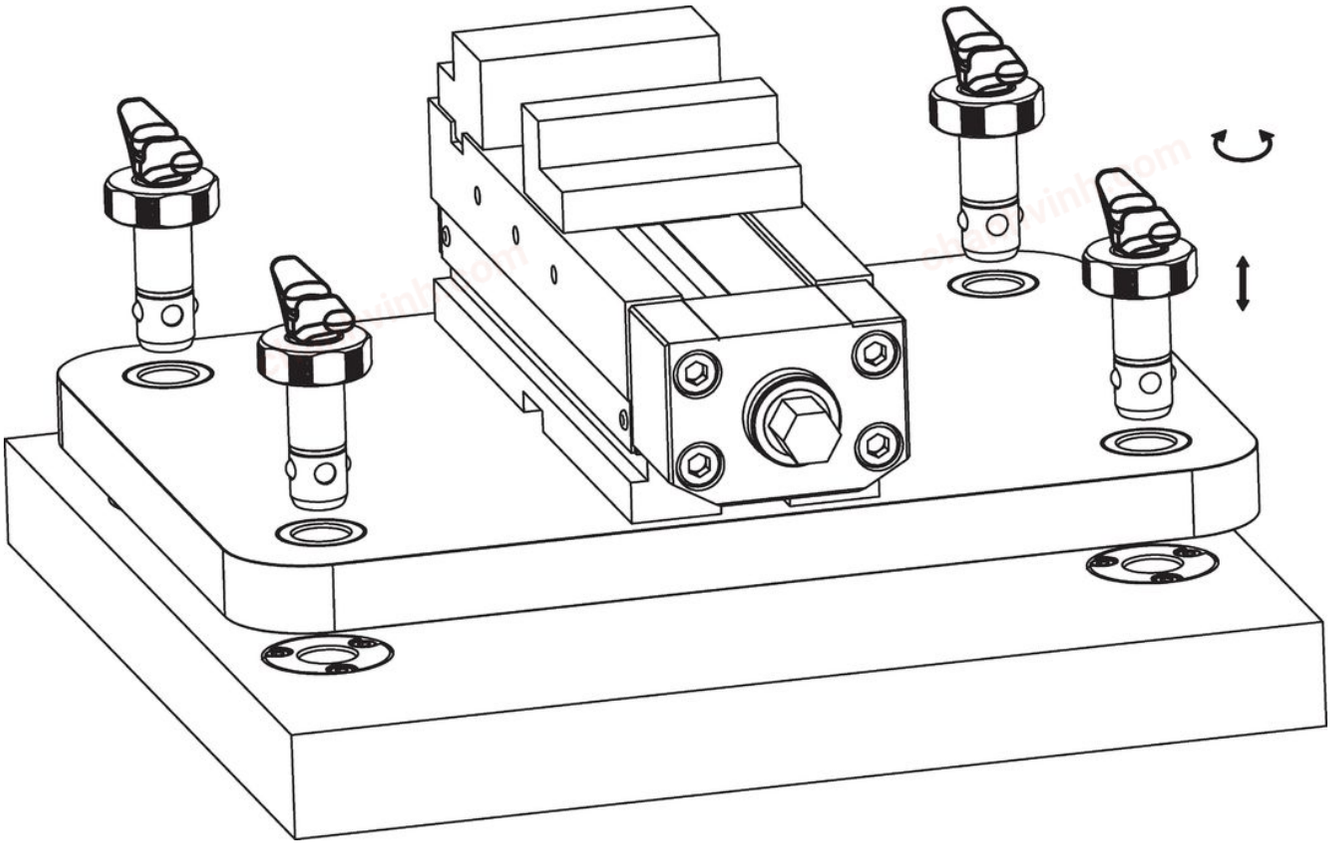


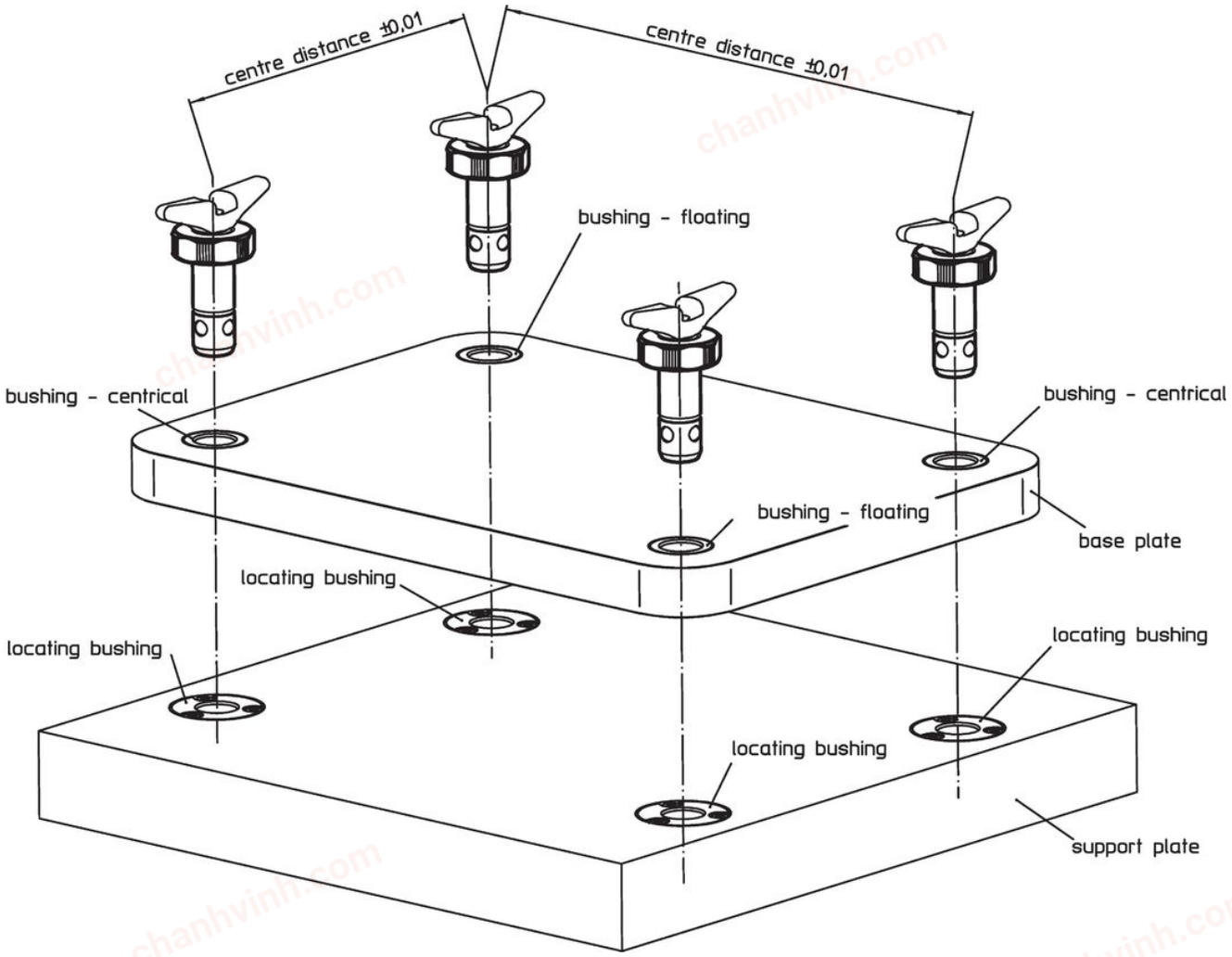


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Compliance

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