

Bedding Supports

EH 23220.



PRODUCT DESCRIPTION

The bedding support is used to **support** overdetermined clamping points on components. The benefits of the bedding support are:

- Support for unstable components, without distortion
- Eliminates tool vibration during machining
- Compact, low construction
- Supports ribs, beads and shackles, for reinforcement of clamped components
- Distortion-free support of raw parts
- Easy handling
- Flat and long design allows clamping with adjustable clamping lever even outside the workpiece.

Material

Handle

- Zinc die-cast

Clamp

- Steel, case-hardened, blackened, ground

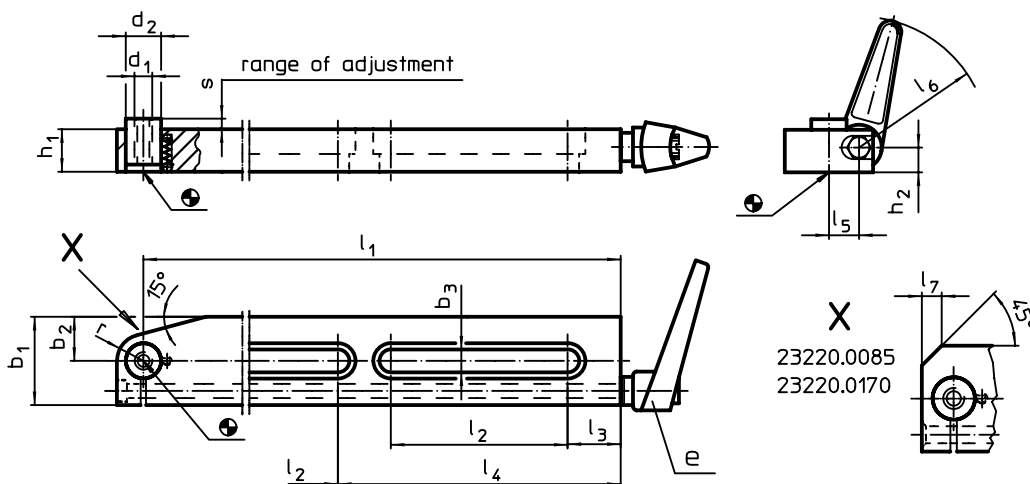
Operation

1. By releasing the clamping lever, the support bolt contacts the workpiece with a light spring load.

2. By clamping the clamping lever, the support pin is blocked without displacement.
3. The clamping lever is released after removal of the workpiece. Then push the support pin into the starting position and clamp using the lever.

By screwing grub screws or supports into the support pin's female thread, the support height can be adjusted.

DRAWING

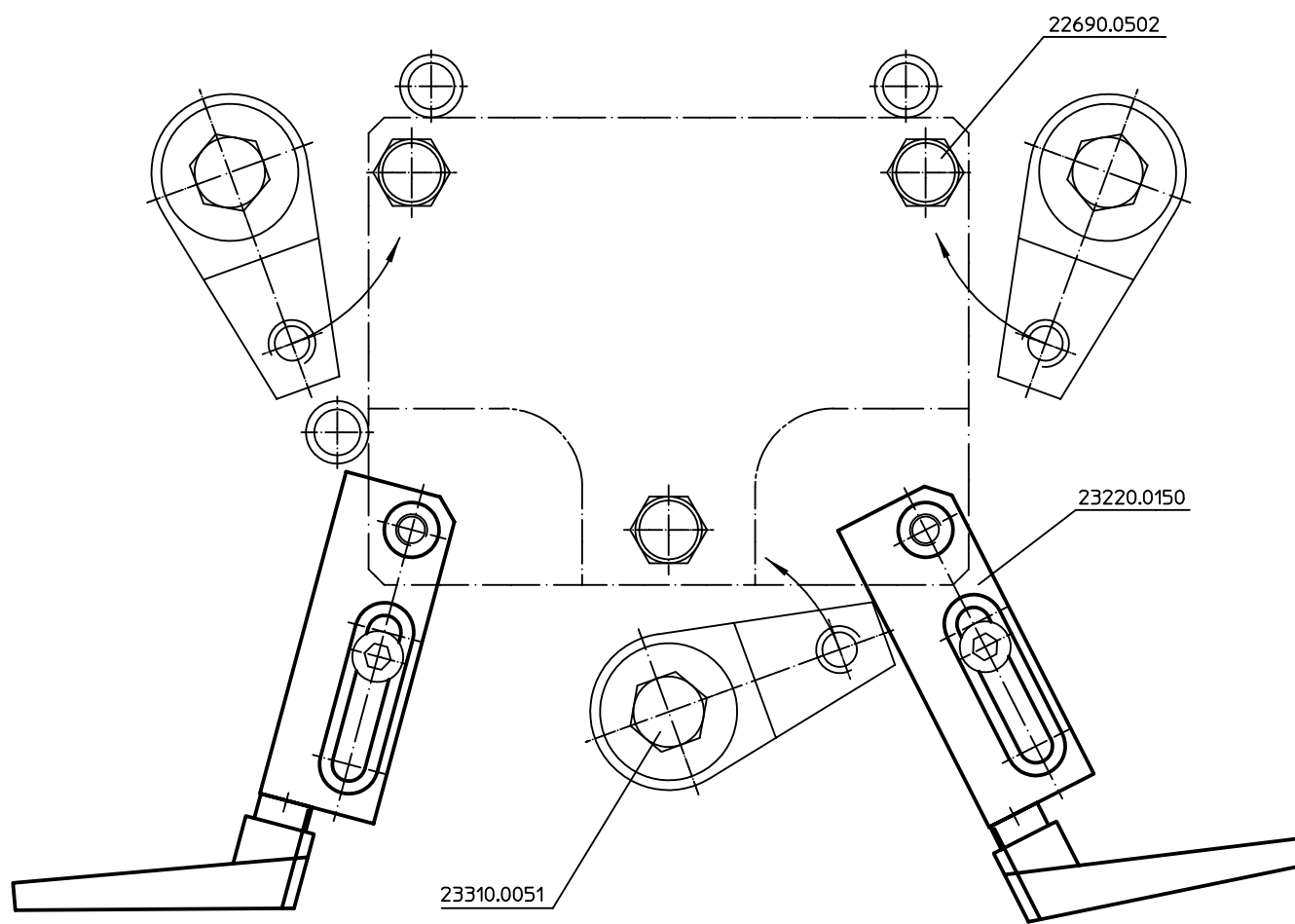


Sizes 8,5 x 75, 13 x 150 and 17 x 170 have only one slot.

ORDER INFORMATION

Dimensions															Stroke s	Load capacity max.	e		Art. No.
b ₃	l ₁	l ₂	l ₃	l ₄	l ₅	l ₆	l ₇	b ₁	b ₂	d ₁	d ₂	h ₁	h ₂	r					
[mm]															[mm]	[kN]		[g]	
8.5	75	35	13	–	13	62	5	30	10	M 8	13	19.5	11.5	–	3	0.5	24400.0311	342	23220.0085
13.0	150	90	20	–	17	74	–	50	25	M10	20	24.0	14.0	15	6	2.5	24400.0411	1379	23220.0150
17.0	170	100	25	–	27	108	11	60	20	M16	26	34.0	21.5	–	11	5.0	24400.0611	2721	23220.0170
13.0	300	100	30	160	17	74	–	50	25	M10	20	24.0	14.0	15	6	2.5	24400.0411	2448	23220.0300
25.0	387	110	30	200	30	89	–	85	40	M20	32	40.0	25.0	24	11	10.0	24420.0210	7350	23220.0450

APPLICATION EXAMPLE



Supporting Elements

EH 23220.



PRODUCT DESCRIPTION

The support element is used to **support** overdetermined clamping points on components. The benefits of the support element are:

- Support for unstable components
- Eliminates tool vibration during machining
- Supports ribs, beads and shackles, for reinforcement of clamped components
- Distortion-free support of raw parts
- Easy handling

Material

Housing

- Aluminium, red anodised

Body

- Case-hardened steel, nitrided, manganese phosphated and ground

Assembly

Fix the support element (2 x M 6 thread) onto the device. Pay attention to the operator's side!

Alternative: Dismantle the M 12 x 10 threaded pin and replace it by an M 12 x 30 threaded pin and assemble the support element with a wrench (WS 21), e.g. for T-slot mounting (no defined operator's side ensured). Threaded pin M 12 x 30 and T-nut DIN 508 M 12 x 14, quality 10, are part of the standard supply volume.

Lowering of the support element by 16 mm is possible.

Operation

By turning the clamping cam (WS 6 internal hexagon) on the outer surface of the red protective sleeve, the support pin contacts the workpiece with a slight spring load.

1. By turning on (15 Nm) as far as possible (lock), total of 180°, the clamping

mechanism locks the support pin without moving. The support element has been placed onto the workpiece and locked.

2. If turned in the opposite direction (unlock), the clamping is released. If turned back as far as possible, i.e. total of 180° the support pin moves to the end position.

MORE INFORMATION

Notes

For safe functioning, the thread bore M 12 must always be closed.

References

Additional flexible possibility of fitting with holding plate 23210.0740.

In the M 8 threaded pin on the support bolt various locating and seating pins (EH 22...) can be mounted. Custom-made extensions can also be fitted.

The clamping height can be increased using height adjusting cylinders EH 23310. and with spacers EH 1107. and EH 1108.

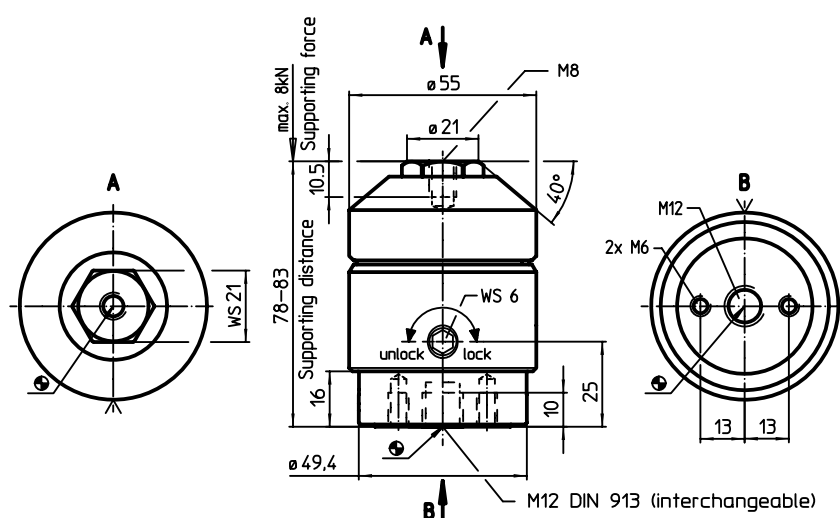
Further products

Holding Plates, for down-hold clamps. → p. 457

Height Adjusting Cylinders → p. 527

Spacers → p. 763

DRAWING



ORDER INFORMATION

	Art. No.
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APPLICATION EXAMPLE

