

Adjustable Clamping Levers • with axial bearing

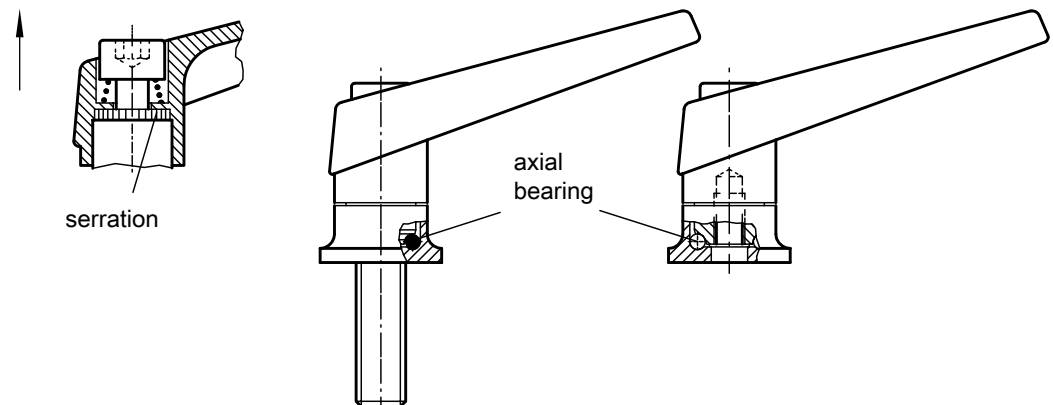
EH 24420.

TWICE THE CLAMPING FORCE AT THE SAME HAND FORCE

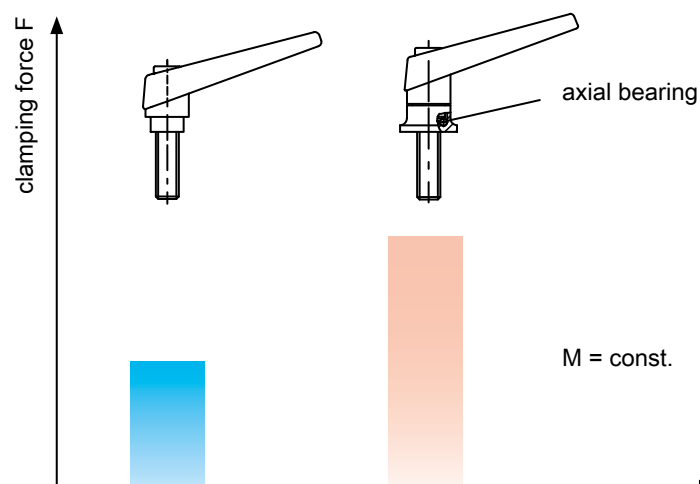
Tests have proven that vital advantages can be achieved when using clamping levers with integrated axial thrust bearing

ADVANTAGES

- The clamping force is greater in comparison to the clamping levers, by up to 100% (please refer to diagram) using the same amount of strength.
- Screwed connections can be replaced with clamping connections for technical applications.
- Smaller clamping levers can be used because of the improved clamping force, thus reducing the necessary construction space.
- Considerably less force loss due to settling; no releasing due to vibrations.
- Non-damaging to clamped parts due to the rotating bearing surface.



Increase of clamping force with axial bearing
(while manual force is unchanged)



Adjustable Clamping Levers • with axial bearing, with female thread

EH 24420.



PRODUCT DESCRIPTION

Adjustable clamping levers find versatile applications when the area of use is confined or a specific lever position is required.

Advantages of axial bearing:

- Double clamping force with same lever size, by reducing the surface friction.
- Protection of workpiece by a fixed locating surface.
- Little setting due to higher pre-clamping force of bolt, e.g. thread.

Material

Lever

- Zinc die-cast, plastic coated, orange similar to RAL 2004, matt structure
- Zinc die-cast, plastic coated, black, similar to RAL 9005, matt structure

Threaded part

- Steel, nitrided, blackened

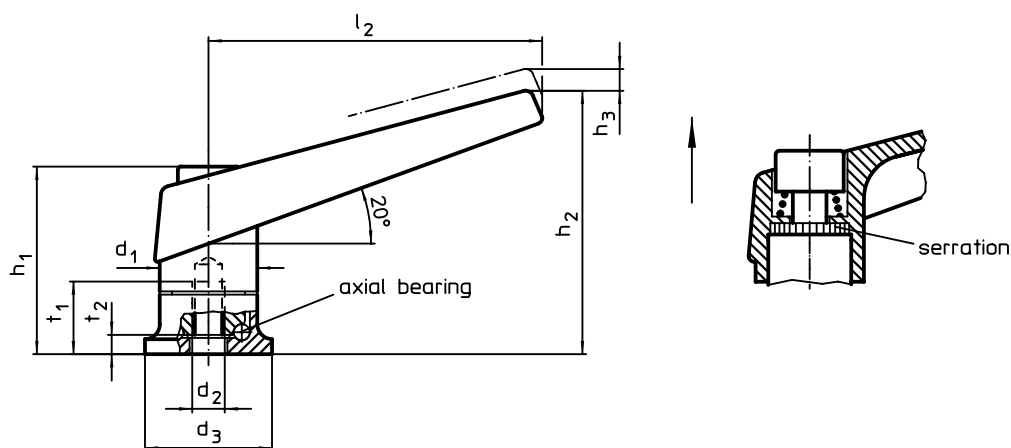
Inner parts

- Steel, nitrided, blackened

Operation

By lifting the lever the serrations are disengaged. The lever can be positioned by the serrations. On releasing the lever, the serrations are automatically re-engaged.

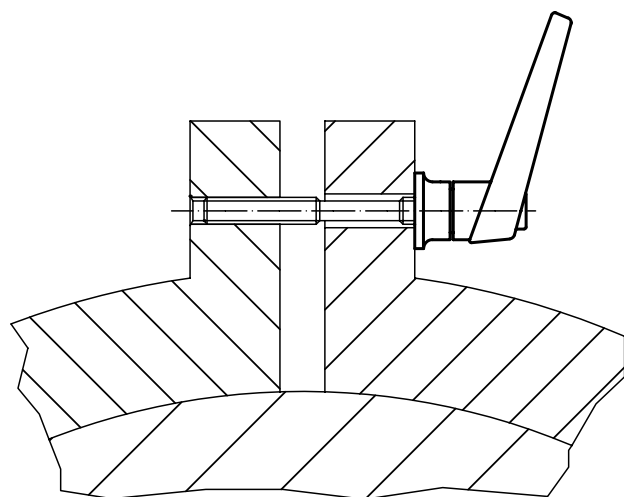
DRAWING



ORDER INFORMATION

Dimensions										Art. No.	
d ₁	d ₂	d ₃	h ₁	h ₂	h ₃	l ₂	t ₁ min.	t ₂		orange	black
[mm]										[g]	
18	M 6	24	34.5	50	3.0	62	12.5	5.0	91	24420.0010	24420.0012
22	M 8	25	39.5	56	3.5	74	14.0	4.2	138	24420.0110	24420.0112
25	M10	30	46.5	66	4.0	89	18.0	5.4	205	24420.0210	24420.0212
30	M12	35	56.5	82	5.0	108	26.5	6.6	358	24420.0310	24420.0312

APPLICATION EXAMPLE



Adjustable Clamping Levers • with axial bearing, with screw

EH 24420.



PRODUCT DESCRIPTION

Adjustable clamping levers find versatile applications when the area of use is confined or a specific lever position is required.

Advantages of axial bearing:

- Double clamping force with same lever size, by reducing the surface friction.
- Protection of workpiece by a fixed locating surface.
- Little setting due to higher pre-clamping force of bolt, e.g. thread.

Material

Lever

- Zinc die-cast, plastic coated, orange similar to RAL 2004, matt structure
- Zinc die-cast, plastic coated, black, similar to RAL 9005, matt structure

Inner parts

- Steel, nitrided, blackened

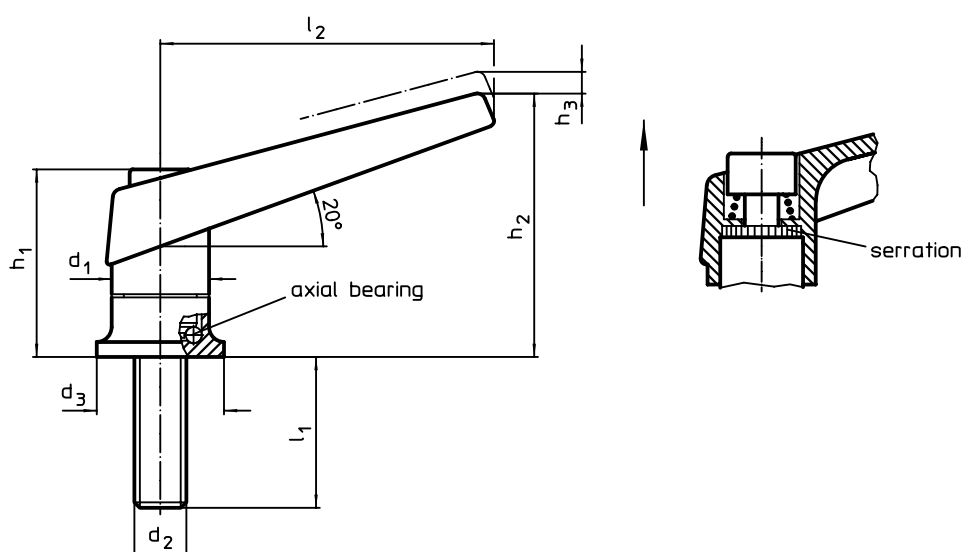
Screw

- Steel, nitrided, blackened

Operation

By lifting the lever the serrations are disengaged. The lever can be positioned by the serrations. On releasing the lever, the serrations are automatically re-engaged.

DRAWING



ORDER INFORMATION

Dimensions									Art. No.	
d ₁	d ₂	l ₁	d ₃	h ₁	h ₂	h ₃	l ₂		orange	black
[mm]								[g]		
18	M 6	20	24	34.5	50	3.0	62	91	24420.0030	24420.0032
		27	24	34.5	50	3.0	62	98	24420.0050	24420.0052
22	M 8	21	25	39.5	56	3.5	74	151	24420.0130	24420.0132
		36	25	39.5	56	3.5	74	154	24420.0150	24420.0152
25	M10	29	30	46.5	66	4.0	89	230	24420.0230	24420.0232
		47	30	46.5	66	4.0	89	239	24420.0250	24420.0252
30	M12	34	35	56.5	82	5.0	108	407	24420.0330	24420.0332
		50	35	56.5	82	5.0	108	418	24420.0346	24420.0348
		57	35	56.5	82	5.0	108	425	24420.0350	24420.0352
		65	35	56.5	82	5.0	108	429	24420.0364	24420.0366
		85	35	56.5	82	5.0	108	444	24420.0384	24420.0386

Adjustable Clamping Levers • with axial bearing from stainless steel, with female thread

EH 24420.



PRODUCT DESCRIPTION

Adjustable clamping levers with rust-proof inner parts. Suitable for multiple applications, e.g. medical environments, chemical industry, and so on.

Advantages of axial bearing:

- Double clamping force with same lever size, by reducing the surface friction.
- Protection of workpiece by a fixed locating surface.
- Little setting due to higher pre-clamping force of bolt, e.g. thread.

Material

Lever

- Zinc die-cast, plastic coated, orange similar to RAL 2004, matt structure
- Zinc die-cast, plastic coated, black, similar to RAL 9005, matt structure

Threaded part

- Stainless steel

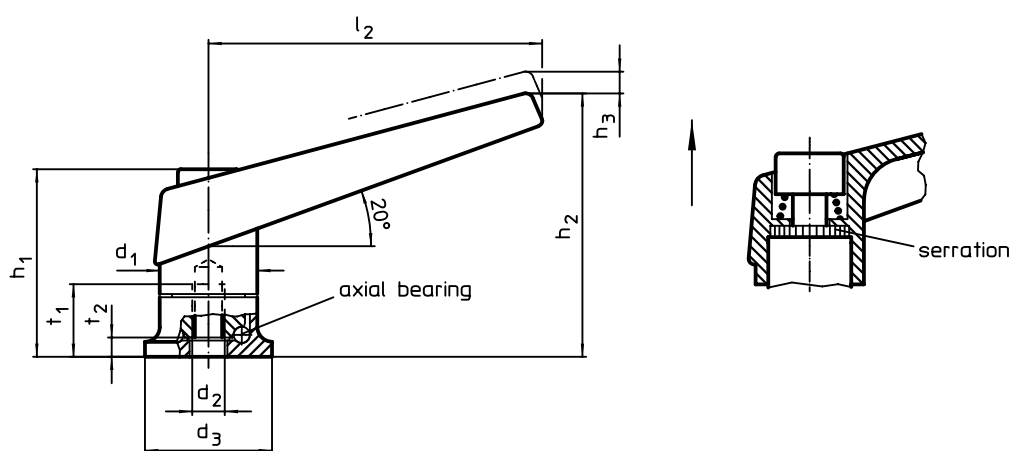
Inner parts

- Stainless steel

Operation

By lifting the lever the serrations are disengaged. The lever can be positioned by the serrations. On releasing the lever, the serrations are automatically re-engaged.

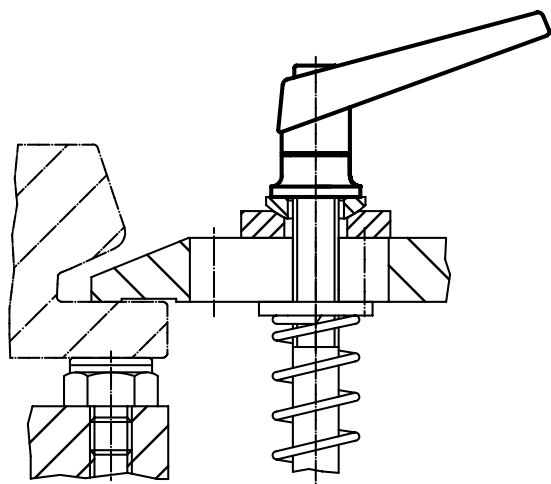
DRAWING



ORDER INFORMATION

Dimensions										Art. No.	
d ₁	d ₂	d ₃	h ₁	h ₂	h ₃	l ₂	t ₁ min.	t ₂		orange	black
[mm]										[g]	
18	M 6	24	34.5	50	3.0	62	12.5	5.0	92	24420.1010	24420.1012
22	M 8	25	39.5	56	3.5	74	14.0	4.2	135	24420.1110	24420.1112
25	M10	30	46.5	66	4.0	89	18.0	5.4	204	24420.1210	24420.1212
30	M12	35	56.5	82	5.0	108	26.5	6.6	359	24420.1310	24420.1312

APPLICATION EXAMPLE



Adjustable Clamping Levers • with axial bearing from stainless steel, with screw

EH 24420.



PRODUCT DESCRIPTION

Adjustable clamping levers with rust-proof inner parts. Suitable for multiple applications, e.g. medical environments, chemical industry, and so on.

Advantages of axial bearing:

- Double clamping force with same lever size, by reducing the surface friction.
- Protection of workpiece by a fixed locating surface.
- Little setting due to higher pre-clamping force of bolt, e.g. thread.

Material

Lever

- Zinc die-cast, plastic coated, orange similar to RAL 2004, matt structure
- Zinc die-cast, plastic coated, black, similar to RAL 9005, matt structure

Inner parts

- Stainless steel

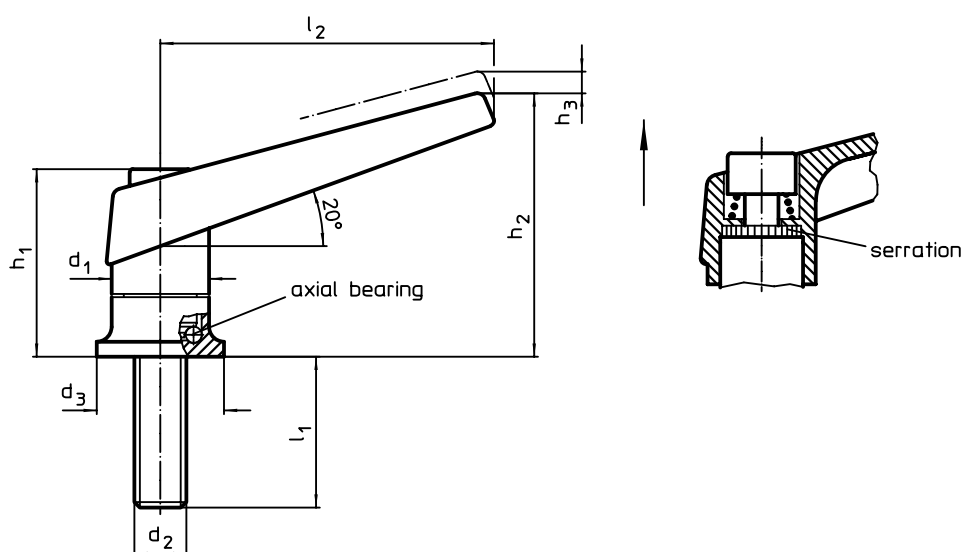
Screw

- Stainless steel

Operation

By lifting the lever the serrations are disengaged. The lever can be positioned by the serrations. On releasing the lever, the serrations are automatically re-engaged.

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ORDER INFORMATION

Dimensions									Art. No.	
d ₁	d ₂	l ₁	d ₃	h ₁	h ₂	h ₃	l ₂		orange	black
[mm]								[g]		
18	M 6	20	24	34.5	50	3.0	62	96	24420.1030	24420.1032
		27	24	34.5	50	3.0	62	99	24420.1050	24420.1052
22	M 8	21	25	39.5	56	3.5	74	148	24420.1130	24420.1132
		36	25	39.5	56	3.5	74	152	24420.1150	24420.1152
25	M10	29	30	46.5	66	4.0	89	227	24420.1230	24420.1232
		47	30	46.5	66	4.0	89	239	24420.1250	24420.1252
30	M12	34	35	56.5	82	5.0	108	404	24420.1330	24420.1332
		50	35	56.5	82	5.0	108	419	24420.1346	24420.1348
		57	35	56.5	82	5.0	108	420	24420.1350	24420.1352
		65	35	56.5	82	5.0	108	430	24420.1364	24420.1366
		85	35	56.5	82	5.0	108	444	24420.1384	24420.1386