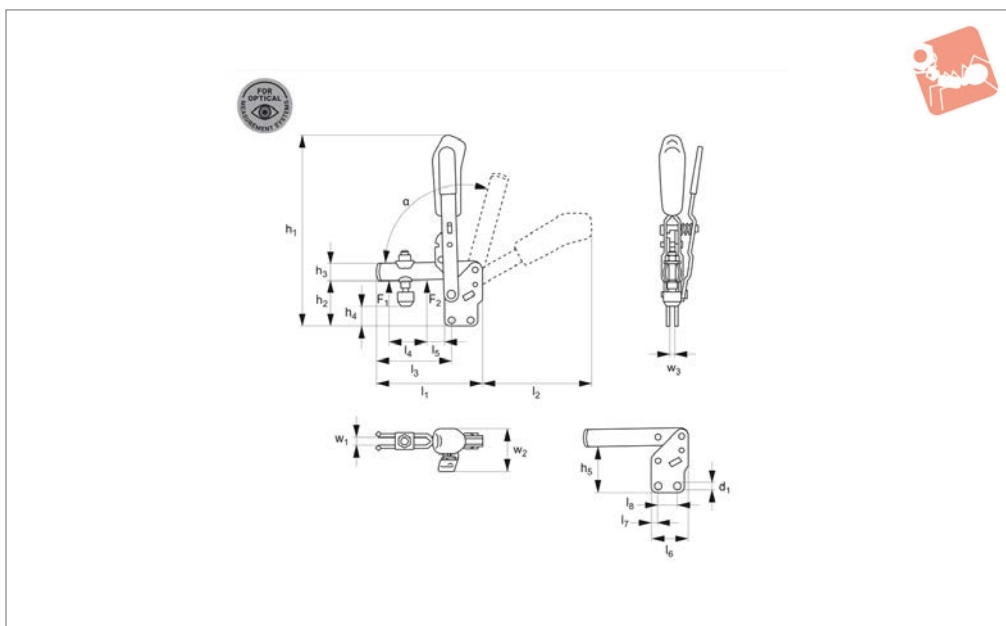


Horizontal Acting Toggle Clamps

black - open arm - vertical base - safety lever

Optical Measuring Toggle



40060.2

OPTICAL MEASURING TOGGLE CLAMPS

Material

Body: steel matt black.
Bushes: case hardened and pre-lubricated.
Ergonomic soft feel, oil-resistant handle with large grip area.
Supplied complete with clamping screw (with rubber pad).

Technical Notes

For fastening to mounting plates, etc.
Opening angle (symbol α /symbol α /symbol α /symbol α) can be changed by pressing in a stop pin on the clamp body.
For optical analysis applications.

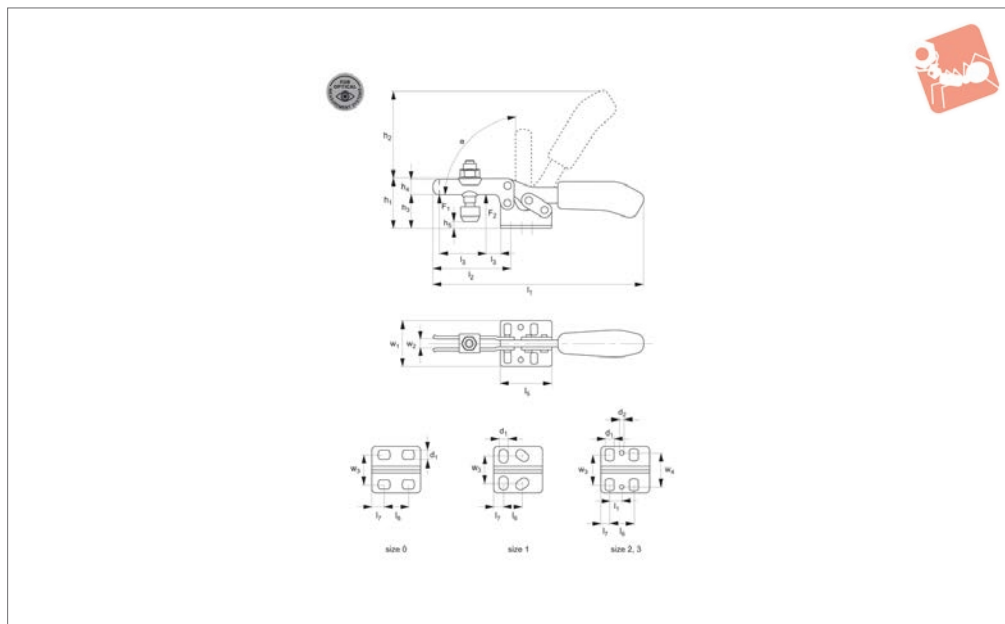
Tips

Designed specifically for clamping of parts during photometric measurement. Uniform matt black surface prevents reflection, enabling easy „knocking-out“ of the clamp during optical analysis of a component.

Order No.	Size	F_1 kN	F_2 kN	Clamping screw	h_1	h_2	h_3	h_4 min.	h_4 max.	h_5	l_1	l_2	Weight g
40060.W0006	3	1.4	2.5	M 8x63	200	48	18	16.5	25	41	112	114	470
Order No.	l_3	l_4	l_5	l_6	l_7	l_8	w_1	w_2	w_3	d_1	α	α^*	
40060.W0006	79	37	19	40	7.5	20	8	45.5	6	7.5	105°	60°	



41000.2



Material

Body: steel matt black.
Bushes: case hardened and pre-lubricated.
Ergonomic soft feel, oil-resistant handle with large grip area.
Supplied complete with clamping screw

(with rubber pad).

Technical Notes

For optical analysis applications.

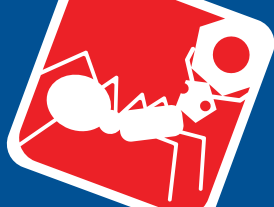
Tips

Designed specifically for clamping of parts

during photometric measurement. Uniform matt black surface prevents reflection, enabling easy „knocking-out“ of the clamp during optical analysis of a component.

Order No.	Size	F ₁ kN	F ₂ kN	Clamping screw	h ₁	h ₂	h ₃	h ₄	h ₅ min.	h ₅ max.	l ₁	l ₂	Weight g
41000.W0100	0	0.3	0.4	M 4x34,5	23.0	34.0	14.5	7.5	-7.4	2.7	79	28	35
41000.W0101	1	0.8	1.1	M 5x38,0	30.0	49.0	19.0	10.0	-3.6	1.8	120	42	105
41000.W0102	2	1.0	1.2	M 6x46,0	45.0	66.3	24.0	13.2	-2.6	5.0	162	64	185
41000.W0103	3	1.8	2.5	M 8x63,0	48.5	86.0	32.0	15.0	-7.4	5.0	206	73	320

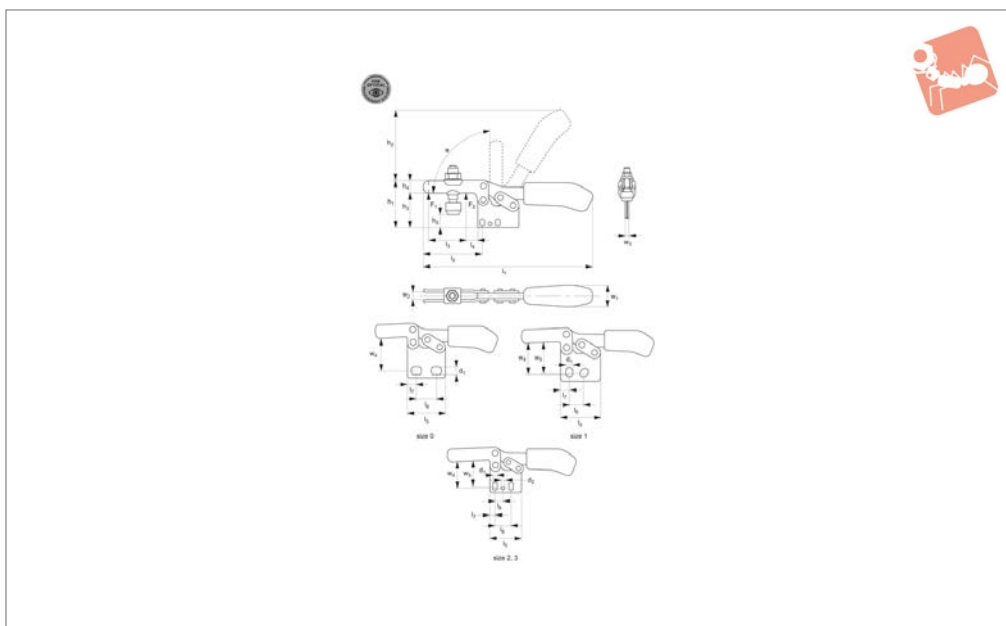
Order No.	l ₃	l ₄	l ₅	l ₆	l ₇	l ₈	w ₁	w ₂	w ₃	w ₄	d ₁	d ₂	α
41000.W0100	9.0	5.5	25.5	11,5-15,5	6.25	-	25.0	4	16.0	-	4.6	-	90°
41000.W0101	18.8	8.0	34.0	13,0-14,5	5.50	-	34.0	5	18,0-21,5	-	5.2	-	90°
41000.W0102	32.0	16.0	38.0	26.0	6.00	12.7	42.0	6	19,5-29,5	28.5	5.6	5.6	90°
41000.W0103	37.0	14.0	50.0	25.7	7.00	-	45.5	8	22,0-31,8	31.6	6.5	5.1	90°



Horizontal Acting Toggle Clamps

black - open arm - vertical base

Optical Measuring Toggle



41050.2

OPTICAL MEASURING TOGGLE CLAMPS

Material

Body: steel, matt black.
Bushes: sizes 2-3 case hardened and pre-lubricated.
Ergonomic soft feel, oil-resistant handle with large grip area.
Supplied complete with clamping screw

(with rubber pad).

Technical Notes

Opening angle (symbola/symbol/symbola/symbol*) can be changed by pressing in a stop pin on the clamp body.

For optical analysis applications.

Tips

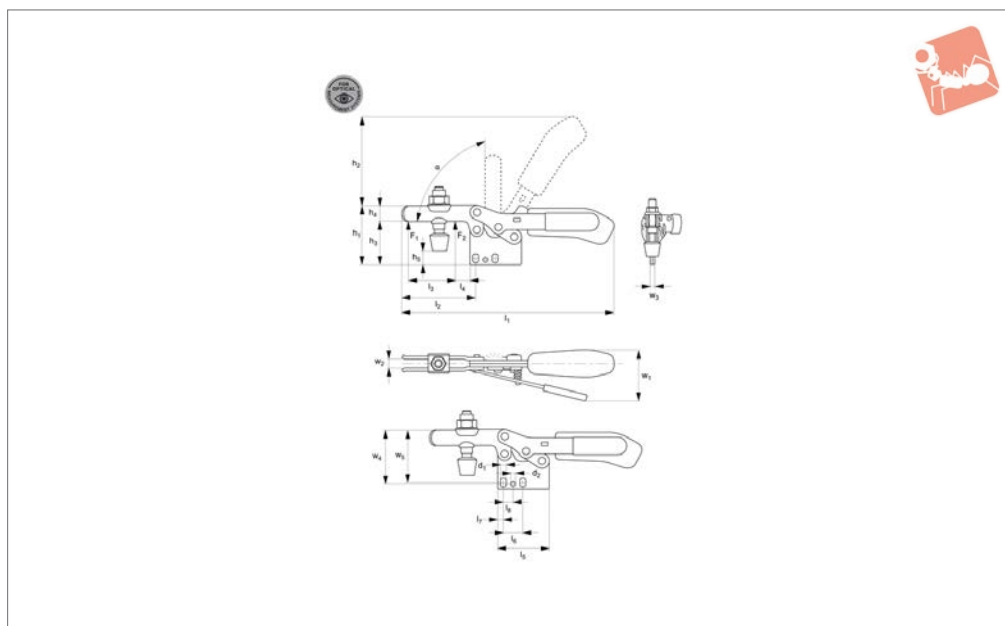
Designed specifically for clamping of parts during photometric measurement. Uniform matt black surface prevents reflection, enabling easy „knocking-out“ of the clamp during optical analysis of a component.

Order No.	Size	F ₁ kN	F ₂ kN	Clamping screw	h ₁	h ₂	h ₃	h ₄	h ₅ min.	h ₅ max.	l ₁	l ₂	l ₃	Weight g
41050.W0100	0	0.3	0.4	M 4x34,5	33	34	24.5	7.5	2.2	13.7	79.0	28.0	9.0	35
41050.W0101	1	0.8	1.1	M 5x38,0	43	49	31.5	10.0	8.9	14.8	119.7	41.7	18.5	105
41050.W0102	2	1.0	1.2	M 6x46,0	61	68	40.0	13.2	14.0	22.0	164.0	64.0	32.0	185
41050.W0103	3	1.8	2.5	M 8x63,0	65	86	49.0	15.0	9.5	22.0	206.0	73.0	39.0	320

Order No.	l ₄	l ₅	l ₆	l ₇	l ₈	w ₁	w ₂	w ₃	w ₄	w ₅	d ₁	d ₂	α
41050.W0100	5.5	25.5	11,5-15,5	6.25	-	4	12	3	-	20.0	4.6	-	90°
41050.W0101	8.0	34.0	13,0-15,5	5.50	-	5	18	5	24.5	23,5-25,5	5.2	-	90°
41050.W0102	16.0	38.0	26.0	6.00	12.7	6	21	5	34.0	29,5-34,0	5.6	5.6	90°
41050.W0103	12.0	50.0	25.7	7.00	13.0	8	27	6	42.0	37,5-42,5	6.5	5.1	90°



41060.2



Material

Body: steel, matt black.
Bushes: case hardened and pre-lubricated.
Ergonomic soft feel, oil-resistant handle with large grip area.
Supplied complete with clamping screw (with rubber pad).

Technical Notes

The safety lever holds the clamp in both

the open and the closed position. This prevents opening under vibration or inadvertent movement of the clamping arm when loading or unloading a fixture.

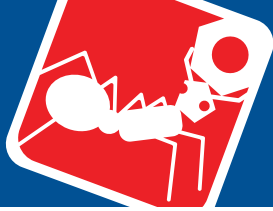
For optical analysis applications.

Tips

Designed specifically for clamping of parts during photometric measurement. Uniform matt black surface prevents reflection,

enabling easy „knocking-out“ of the clamp during optical analysis of a component.

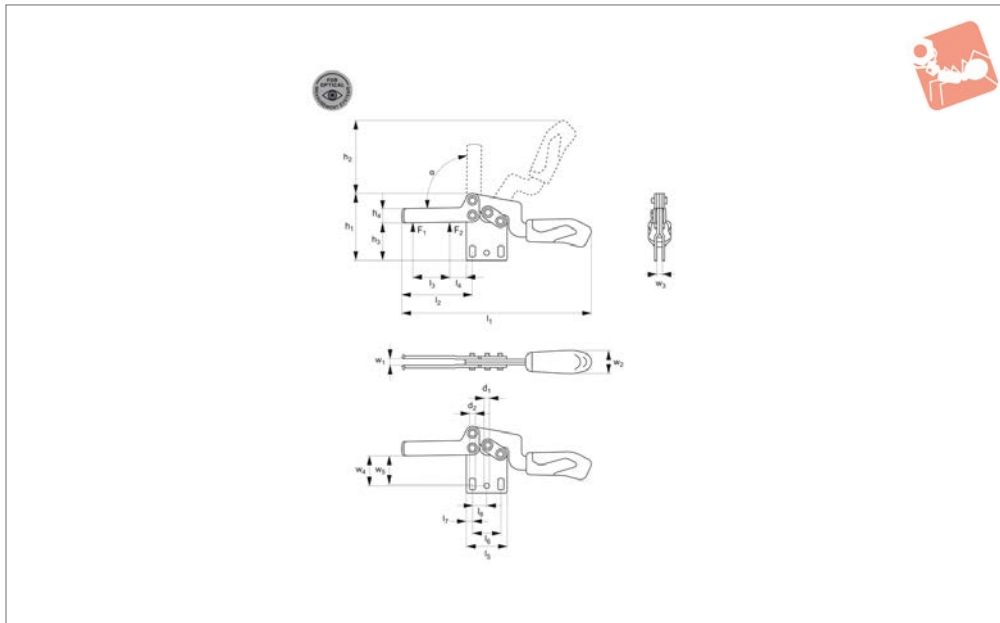
Order No.	Size	F ₁ kN	F ₂ kN	Clamping screw	h ₁	h ₂	h ₃	h ₄	h ₅ min.	h ₅ max.	l ₁	l ₂	l ₃	Weight g
41060.W0100	3	1.8	2.5	M 8x63	65	86	49	15	9	22	206	73	37	390
Order No.	l ₄	l ₅	l ₆	l ₇	l ₈	w ₁	w ₂	w ₃	w ₄	w ₅	d ₁	d ₂	α	
41060.W0100	14	50	25.7	7	13	8	47	6	42	38-42	6.5	5.1	90°	



Horizontal Acting Toggle Clamps

black - open arm - vertical base

Optical Measuring Toggle



41062.1

OPTICAL MEASURING TOGGLE CLAMPS

Material

Body: steel, matt black.
Bushes: case hardened and pre-lubricated.
Ergonomic soft feel, oil-resistant handle with large grip area.
Supplied complete with clamping screw (with rubber pad).

Technical Notes

symbola/symbol* alternative angle

through using the removable stop.
Opening angle (symbola/symbol/symbola/symbol*) can be changed by pressing in a stop pin on the clamp body.

For optical analysis applications.

Tips

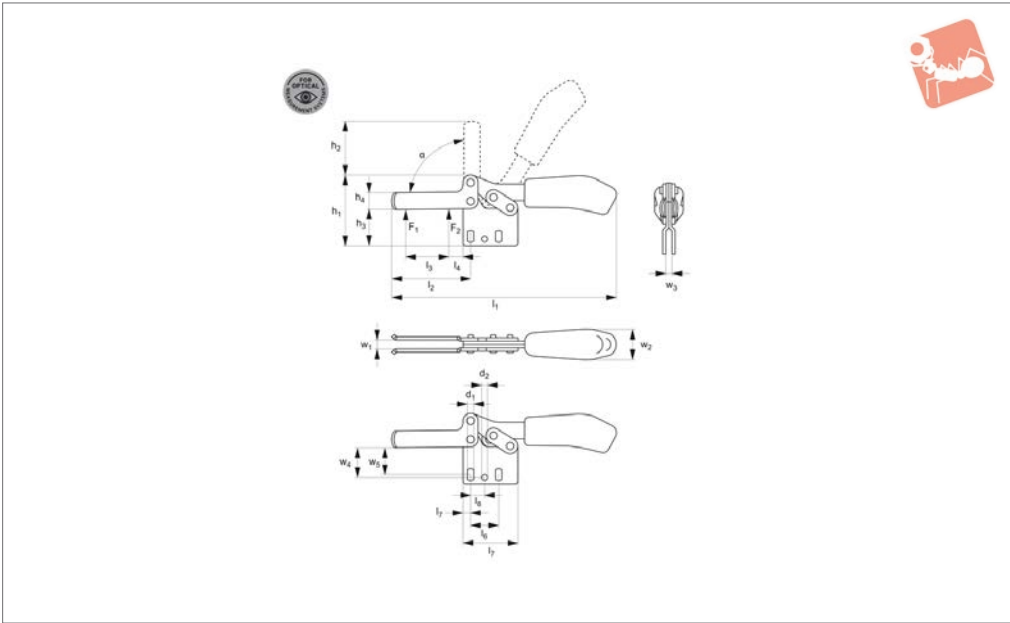
Designed specifically for clamping of parts during photometric measurement. Uniform matt black surface prevents reflection,

enabling easy „knocking-out“ of the clamp during optical analysis of a component.

Order No.	Size	F ₁ kN	F ₂ kN	h ₁	h ₂	h ₃	h ₄	l ₁	l ₂	l ₃	l ₄	l ₅	Weight g
41062.W0100	2	1	1.2	190	34	67	13.2	173.5	64	38.6	11	38	61
Order No.	l ₆	l ₇	l ₈	w ₁	w ₂	w ₃	w ₄	w ₅	d ₁	d ₂	α		
41062.W0100	26	6	13.1	6.2	21	5	27	23-28	5.6	4.8	90°		



41062.2



Material

Body: steel, matt black.
Bushes: case hardened and pre-lubricated.
Ergonomic soft feel, oil-resistant handle with large grip area.
Supplied complete with clamping screw

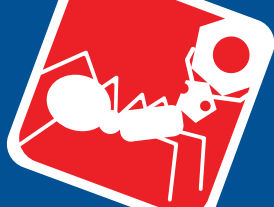
(with rubber pad).

Technical Notes
For optical analysis applications.

Tips
Designed specifically for clamping of parts

during photometric measurement. Uniform matt black surface prevents reflection, enabling easy „knocking-out“ of the clamp during optical analysis of a component.

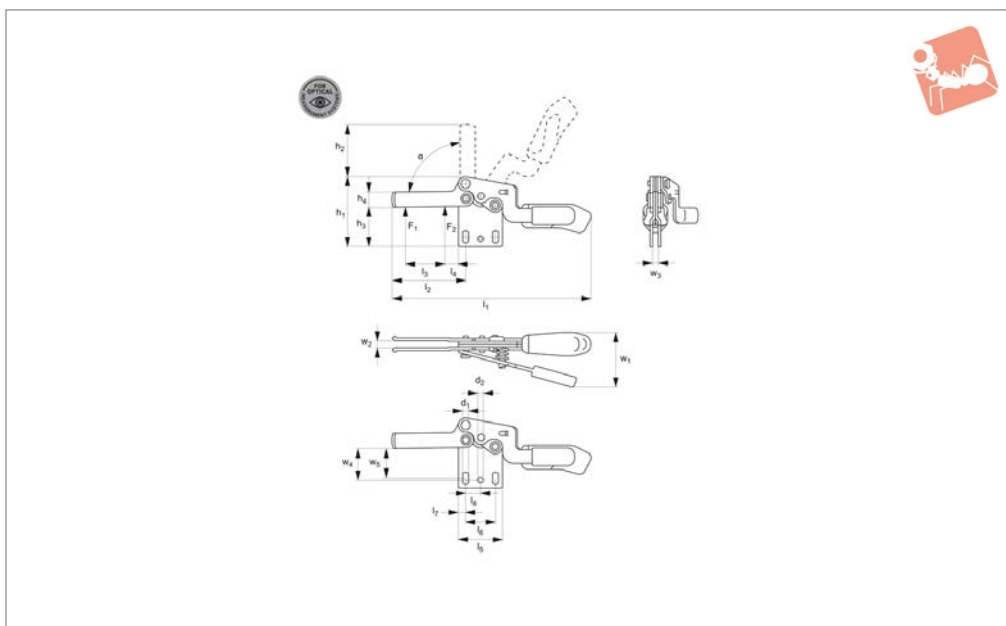
Order No.	Size	F ₁ kN	F ₂ kN	h ₁	h ₂	h ₃	h ₄	l ₁	l ₂	l ₃	l ₄	l ₅	Weight g
41062.W0110	3	1.8	2.5	65	86	34	15	206	73	34.5	16.5	50	320
Order No.	l ₆	l ₇	l ₈	w ₁	w ₂	w ₃	w ₄	w ₅		d ₁	d ₂	α	
41062.W0110	25.7	7	13	8	27	6	27	22,5-27,5		6.5	5.1	90°	



Horizontal Acting Toggle Clamps

black - open arm - vertical base - safety

Optical Measuring Toggle



41064.1

OPTICAL MEASURING TOGGLE CLAMPS

Material

Body: steel, matt black.
Bushes: case hardened and pre-lubricated.
Ergonomic soft feel, oil-resistant handle with large grip area.
Supplied complete with clamping screw (with rubber pad).

Technical Notes

The safety lever holds the clamping arm in

both the clamped and open position. This prevents opening under vibration or accidental movement of the clamping arm during assembly/disassembly of the fixture.

For optical analysis applications.

Tips

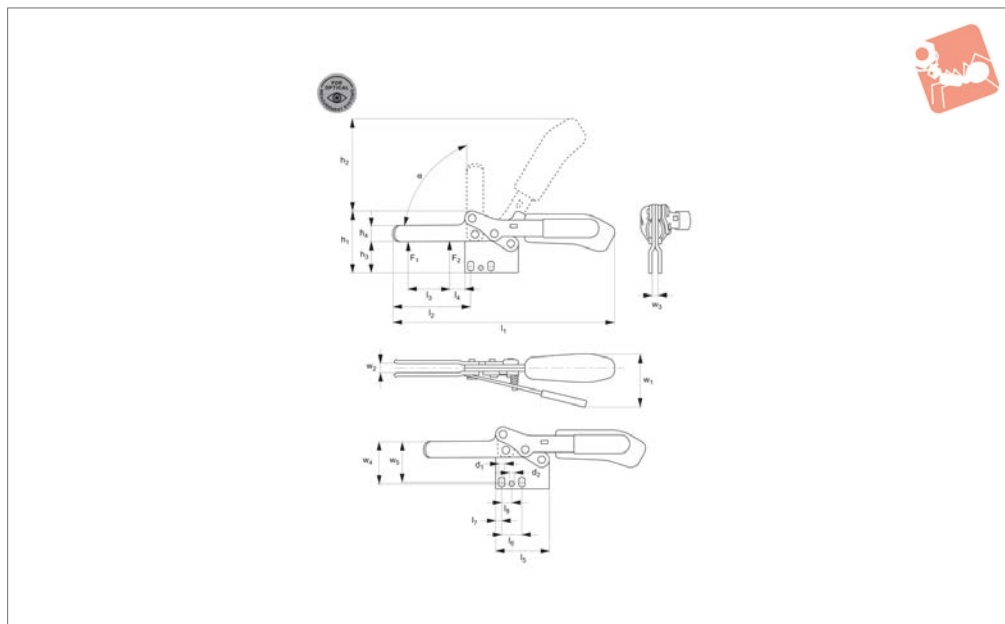
Designed specifically for clamping of parts during photometric measurement. Uniform

matt black surface prevents reflection, enabling easy „knocking-out“ of the clamp during optical analysis of a component.

Order No.	Size	F ₁ kN	F ₂ kN	h ₁	h ₂	h ₃	h ₄	l ₁	l ₂	l ₃	l ₄	l ₅	Weight g
41064.W0100	2	1	1.2	61	67	34	13.2	173.5	64	38.6	11	38	230
Order No.	l ₆	l ₇	l ₈	w ₁	w ₂	w ₃	w ₄	w ₅	d ₁	d ₂	α		
41064.W0100	26	6	13.1	6.2	48	5	27	23-28	5.6	4.8	90°		



41064.2



Material

Body: steel, matt black.
Bushes: case hardened and pre-lubricated.
Ergonomic soft feel, oil-resistant handle with large grip area.
Supplied complete with clamping screw (with rubber pad).

Technical Notes

The safety lever holds the clamping arm in

both the clamped and open position. This prevents opening under vibration or accidental movement of the clamping arm during assembly/disassembly of the fixture.

For optical analysis applications.

Tips

Designed specifically for clamping of parts during photometric measurement. Uniform

matt black surface prevents reflection, enabling easy „knocking-out“ of the clamp during optical analysis of a component.

Order No.	Size	F ₁ kN	F ₂ kN	h ₁	h ₂	h ₃	h ₄	l ₁	l ₂	l ₃	l ₄	l ₅	Weight g
41064.W0110	3	1.8	2.5	65	86	34	15	206	73	34.5	16.5	50	350
Order No.	l ₆	l ₇	l ₈	w ₁	w ₂	w ₃	w ₄	w ₅	d ₁	d ₂	α		
41064.W0110	25.7	7	13	8	46.5	6	27	22,5-27,5	6.5	5.1	90°		