Toggle Clamps

Operating Lever Vertical, with Dual Flanged Mounting Base

SPECIFICATION

Types

- Type **AVF**: Forked clamping arm, with two flanged washers
- Type **CVF**: Forked clamping arm, with two flanged washers and clamping screw GN 708.1
- Type **EVF**: Solid clamping arm, with clasp for welding

Parts in sheet metal
Case-hardened Steel C10
Zinc plated, blue passivated

Bearing pins tempered

Bearing rivets case-hardened

All moving parts
Lubricated with special grease

Solid designed plastic handle
Red, oil resistant

Clamping screw GN 708.1, Type A (see page)

- Steel, zinc plated, blue passivated
- Rubber thrust pad 85 Shore A

INFORMATION

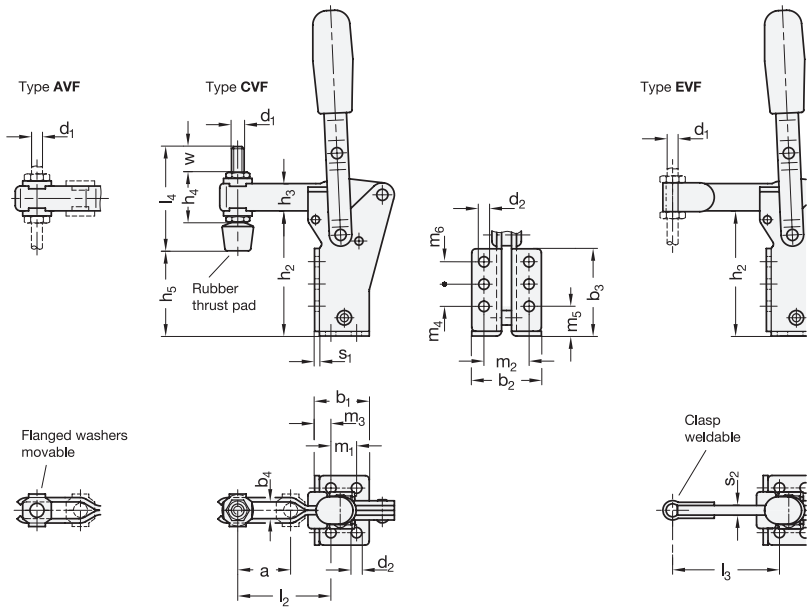
Toggle clamps GN 812.1 work according to the toggle principle: lever and clamping bar move in the same direction. In the clamped position the operating lever is in its vertical position.
They can be mounted in two planes via the dual flanged mounting base and require less space for the clamping action.
Toggle clamps with forked clamping arm, with two flanged washers (type AVF) can accommodate an application specific clamping screw. A clamping screw with neoprene rubber tip is also included for type CVF.
The clamps in the type EVF version can either be utilized by welding the clasp which can then accommodate an application specific hold-down fastener component, or by utilizing the bar in conjunction with the GN 809 (see page) holders for clamping screws to hold the work piece in place.

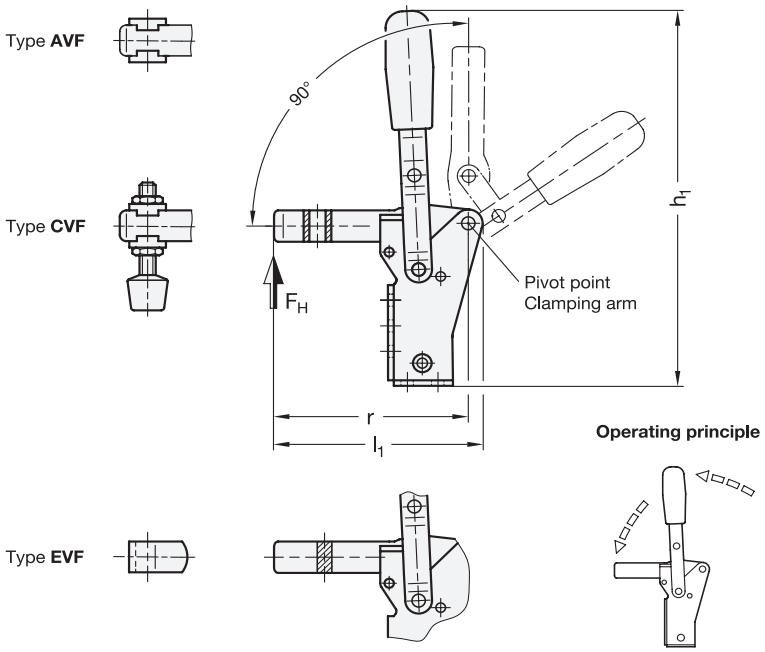
TECHNICAL INFORMATION

- General information for toggle clamps (see page 1560)

ACCESSORY

- Clamping Screws (see page)
- GN 809 clamp mounts for toggle clamps (for Type EVF) (see page 1630)
- GN 801 clamp mounts for toggle clamps (for Type AVF) (see page 1629)





GN 812.1

Description	Size	Fh in N	a ≈	b1	b2	b3	b4	d1	d2	h1 ≈	h2	h3	h4 ≈	h5 max.	l1 ≈	l2	l3 max.	l4	m1	m2	m3	m4	m5	m6	r ≈	s1	s2	w	⚖
GN 812.1-75-AVF	75	750	20	24	34	30	5.2	M 5	4.5	120	43	11	-	-	67	37	-	-	12.5	24	7	12.5	10	-	62.5	2	-	-	130
GN 812.1-130-AVF	130	1100	28	31.5	42	49	6.2	M 6	5.6	184	70	16	-	-	85	46.5	-	-	12.5	27	11	12.5	16	12.5	79	2.5	-	-	300
GN 812.1-230-AVF	230	2200	40	35.5	38	51	8.5	M 8	6.5	222	87	18	-	-	111	66.5	-	-	16	26	11	16	11	14.3	103.5	3	-	-	500
GN 812.1-330-AVF	330	2600	45	49	48	79	10.5	M 10	8.5	259	107	22	-	-	129	73	-	-	28	30	12.3	30	19	20	121	3.5	-	-	800
GN 812.1-75-CVF	75	750	20	24	34	30	5.2	M 5	4.5	120	43	11	19	28	67	37	-	45	12.5	24	7	12.5	10	-	62.5	2	-	15	140
GN 812.1-130-CVF	130	1100	28	31.5	42	49	6.2	M 6	5.6	184	70	16	25.5	53	85	46.5	-	55	12.5	27	11	12.5	16	12.5	79	2.5	-	17.5	316
GN 812.1-230-CVF	230	2200	40	35.5	38	51	8.5	M 8	6.5	222	87	18	30	63	111	66.5	-	68	16	26	11	16	11	14.3	103.5	3	-	20	529
GN 812.1-330-CVF	330	2600	45	49	48	79	10.5	M 10	8.5	259	107	22	37	79	129	73	-	77	28	30	12.3	30	19	20	121	3.5	-	19	855
GN 812.1-75-EVF	75	750	-	24	34	30	-	M 5	4.5	120	43	11	-	-	67.5	-	46	-	12.5	24	7	12.5	10	-	63	2	4	-	130
GN 812.1-130-EVF	130	1100	-	31.5	42	49	-	M 6	5.6	184	70	16	-	-	86	-	58	-	12.5	27	11	12.5	16	12.5	80	2.5	5	-	300
GN 812.1-230-EVF	230	2200	-	35.5	38	51	-	M 8	6.5	222	87	18	-	-	112	-	81	-	16	26	11	16	11	14.3	104.5	3	6	-	500
GN 812.1-330-EVF	330	2600	-	49	48	79	-	M 10	8.5	259	107	22	-	-	131	-	91	-	28	30	12.3	30	19	20	123.5	3.5	7	-	800