

# GN 820.2

## Horizontal acting toggle clamps

Steel / Stainless Steel, with vertical mounting base



### Specification

#### Types

- Type **MF**: U-bar version, with two flanged washers
- Type **MFC**: U-bar version, with two flanged washers and GN 708,1 Spindle Assembly

#### Version in Steel

- Case-hardened Steel C10, zinc plated, blue passivated
- Bearing pins tempered
- Bearing rivets (for size 355 and up), case-hardened

all moving parts

lubricated with special grease

Hand grip

High quality, oil resistant red plastic

Spindle assembly GN 708.1 (Type A)

- steel, zinc plated
- Rubber tip 85 Shore A

Version in Stainless Steel

Stainless Steel AISI 304 **NI**

all moving parts

lubricated with special grease

Hand grip

High quality, oil resistant red plastic

Spindle assembly GN 708.1 (Type A)

- Stainless Steel AISI 304
- Rubber tip 85 Shore A

### Information

GN 820.2 horizontal acting toggle clamps work according to the toggle principle: lever and clamping bar move in the opposite direction.

They require less space for the clamping action. In the clamped position the operating lever is in its horizontal position. The 90° rotated mounting surface allows a space-saving installation in addition to the clamping point.

Horizontal acting toggle clamps in the U-bar version with two flanged washers (Type MF) can accommodate an application specific clamping screw. A spindle assembly with neoprene rubber tip is also included for Type MFC.

- [General information to toggle clamps](#)

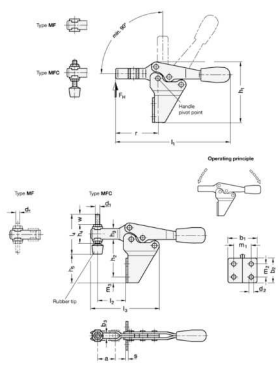
### Accessory

Spindle assemblies

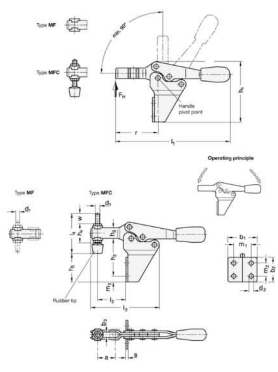
- GN 801 Clamp Mounts for Toggle Clamps (for Type MF)

### Technical Information

- [Stainless Steel characteristics](#)



Description	Size	F <sub>H</sub> in N	a ≈	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	d <sub>1</sub>	d <sub>2</sub>	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	h <sub>4</sub>	h <sub>5</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	m <sub>1</sub>	m <sub>2</sub>	m <sub>3</sub>	r	s	w	Weight
<b>GN 820.2-75-MF</b>	75	900	20	30	25.5	5.5	M 5	4.5	62	39	11	-	-	118	30	72	-	18	13.5	6	42.5	2	-	105
<b>GN 820.2-130-MF</b>	130	1000	32	39	35	6.5	M 6	5.5	85	58.5	14	-	-	170	45	95	-	26	22	6.5	61	2.5	-	240
<b>GN 820.2-230-MF</b>	230	1700	37	43	40	8.5	M 8	6.5	102	69	18	-	-	195	52	113	-	28.5	24	8	70	3	-	400
<b>GN 820.2-355-MF</b>	355	1800	58	52	52	10.5	M 10	8.5	135	92	22	-	-	270	85	166	-	32	32	10	108.5	3.5	-	840
<b>GN 820.2-75-MFC</b>	75	900	20	30	25.5	5.5	M 5	4.5	62	39	11	19	30	118	30	72	45	18	13.5	6	42.5	2	15	208
<b>GN 820.2-130-MFC</b>	130	1000	32	39	35	6.5	M 6	5.5	85	58.5	14	25.5	48.5	170	45	95	55	26	22	6.5	61	2.5	17.5	260
<b>GN 820.2-230-MFC</b>	230	1700	37	43	40	8.5	M 8	6.5	102	69	18	30	53	195	52	113	68	28.5	24	8	70	3	20	420
<b>GN 820.2-355-MFC</b>	355	1800	58	52	52	10.5	M 10	8.5	135	92	22	37	75.5	270	85	166	77	32	32	10	108.5	3.5	19	900



Description	Size	F <sub>H</sub> in N	a ≈	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	d <sub>1</sub>	d <sub>2</sub>	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	h <sub>4</sub>	h <sub>5</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	m <sub>1</sub>	m <sub>2</sub>	m <sub>3</sub>	r	s	w	Weight
<b>GN 820.2-75-MF-NI</b>	75	900	20	30	25.5	5.5	M 5	4.5	62	39	11	-	-	118	30	71	-	18	13.5	6	42	2	-	105
<b>GN 820.2-130-MF-NI</b>	130	1000	32	39	35	6.5	M 6	5.5	85	58.5	14	-	-	170	45	95	-	26	22	6.5	61	2.5	-	240
<b>GN 820.2-230-MF-NI</b>	230	1700	37	43	40	8.5	M 8	6.5	102	69	18	-	-	195	52	113	-	28.5	24	8	70	3	-	400
<b>GN 820.2-75-MFC-NI</b>	75	900	20	30	25.5	5.5	M 5	4.5	62	39	11	19	30	118	30	71	45	18	13.5	6	42	2	15	110
<b>GN 820.2-130-MFC-NI</b>	130	1000	32	39	35	6.5	M 6	5.5	85	58.5	14	25.5	48.5	170	45	95	55	26	22	6.5	61	2.5	17.5	0
<b>GN 820.2-230-MFC-NI</b>	230	1700	37	43	40	8.5	M 8	6.5	102	69	18	30	53	195	52	113	68	28.5	24	8	70	3	20	410