



**2 Type**

- A Clamping arm with slotted hole (only sizes 220 and 440)
- E Clamping arm with bushing

**1**

Size	F <sub>H</sub> in N Holding capacity	a	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>
220	2200	32	36	48	6	M 6	6,5	6,5	136,5	30	16
440	4400	34	54	65	10	M 10	8,5	10,5	215	50	24
850*	8500	-	75	75	-	M 12	10,5	12,5	280	67	30
1540*	15400	-	90	100	-	M 16	12,5	16,5	330	76,5	35

Size	h <sub>4</sub> ≈	l <sub>1</sub>		l <sub>2</sub>	l <sub>3</sub>	m <sub>1</sub>	m <sub>2</sub>	m <sub>3</sub>	r <sub>1</sub>	r <sub>2</sub>	s <sub>1</sub>	s <sub>2</sub>
		Type A	Type E									
220	27	91	86	51	46	20	32	8	77	72	3,5	6
440	45	129,5	129,5	66	66	30	45	12	107	107	5	10
850*	-	-	161	-	72	55	55	10	-	133	6	12
1540*	-	-	203	-	92,5	65	65	12,5	-	167	8	16

\* This size is fitted with a round handle at the lever arm and available only in type E.

**Specification**

- Clamping arm steel
  - Precision casting
  - Blackened
- Lever arm steel
  - Forged
  - Blackened
- Parts in sheet metal case-hardened steel Blackened
- Bearing pins and rivets steel Hardened and ground
- All moving parts Lubricated with special grease
- Solid designed plastic handle Red, oil resistant
- RoHS

**Accessory**

- Clamping Screws → Page 810 ff.

**Information**

Toggle clamps „Longlife“ GN 810.10 are an advance development of GN 810. The steel sheet design of the clamp and lever arms is replaced by precision or die-forged components. The remaining steel sheet parts have been reinforced, bearing pins and rivets are hardened and ground.

These toggle clamps are therefore suitable for applications in which substantial forces occur and in which a long service life is required.

Extensive tests have shown that trouble-free function (under load) is ensured also after one million clamping cycles.

Stepped side washers are included.

see also...

- General Information for Toggle Clamps → Page 698
- Toggle Clamps GN 810 → Page 700

**How to order**

**GN 810.10-220-A**

- 1 Size
- 2 Type

