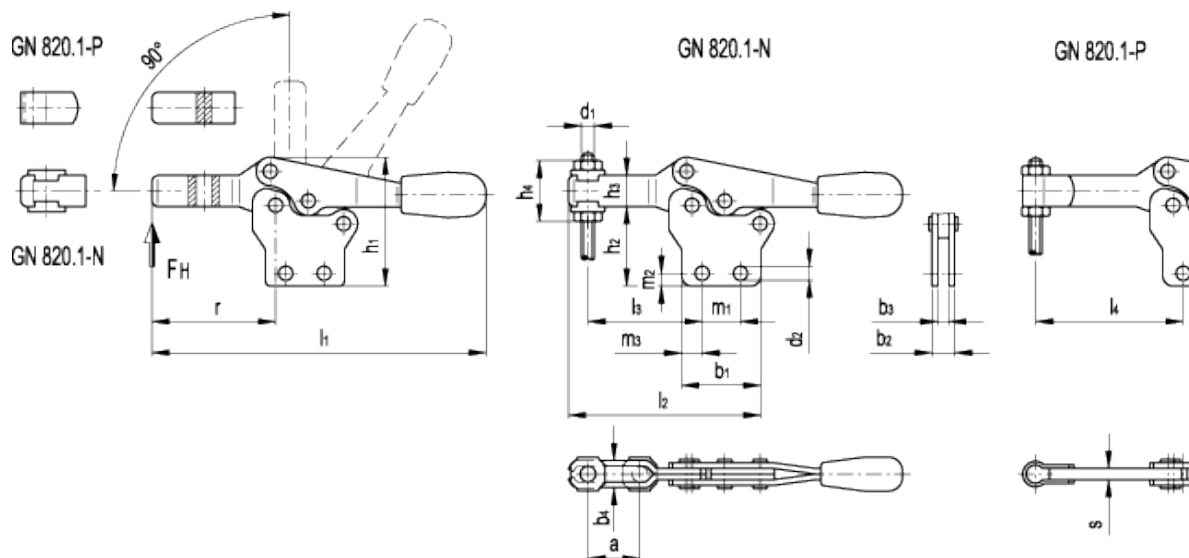


# GN 820.1

Horizontal clamps with vertical base



## technical informations

### Sheet body and metal parts

Zinc-plated case-hardened steel C10, blue passivated.

- Execution N: with forked clamping arm with two stepped side washers.
- Execution P: with solid clamping arm with bolt retainer for welding.

### Bearing pin

Hardened and tempered steel.

### Bearing bushes

Case-hardened steel (available from size  $\geq 355$ ).

### Handle

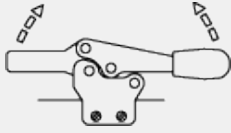
Oil-resistant, solid plastic, red colour.

## Features and applications

All moving parts are lubricated with special grease. A special feature for GN 820.1 horizontal clamp is its low profile in clamping position. They are designed in order to prevent operator's fingers from being caught between the retracting clamping arm and the operator handle (safety distance).  
The clamping arm is guided on both sides during the forward movement to prevent being affected by possible side thrusts.

## Order information

Clamping bolts to be ordered separately.



Standard Elements	Main dimensions																				Holding force	Weight
Description	a	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</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>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4 max.</sub>	m <sub>1</sub>	m <sub>2</sub>	m <sub>3</sub>	r	s	FH [N]	g
GN 820.1-75-N	20	28	8	4	5.5	M5	4.5	45.5	28	11	22.5	118	67	40	-	13.5	4.5	7.2	43	-	900	90
GN 820.1-130-N	32	36	10	5	6.5	M6	5.5	64	43	14	27	168	92	53	-	26	7	5	62	-	1000	200
GN 820.1-230-N	37	44	12	6	8.5	M8	6.5	75	50	18	35	196	109	63.5	-	26	6.8	9	72	-	1700	330
GN 820.1-355-N	58	60	14	7	10.5	M10	8.5	102	69	22	43	270	160	96	-	41	7.5	9.5	108.5	-	3200	700
GN 820.1-455-N	65	70	18	10	13	M12	8.5	119	80.5	26	53	308	184	116	-	41.5	11.8	14.2	126	-	6200	1200
GN 820.1-75-P	-	28	8	4	-	M5	4.5	45.5	28	11	-	118	67	-	49.5	13.5	4.5	7.2	43	4	900	90
GN 820.1-130-P	-	36	10	5	-	M6	5.5	64	43	14	-	168	92	-	64	26	7	5	62	5	1000	210
GN 820.1-230-P	-	44	12	6	-	M8	6.5	75	50	18	-	196	109	-	78	26	6.8	9	72	6	1700	340
GN 820.1-355-P	-	60	14	7	-	M10	8.5	102	69	22	-	270	160	-	115	41	7.5	9.5	108.5	7	3200	720
GN 820.1-455-P	-	70	18	10	-	M12	8.5	119	80.5	26	-	308	184	-	135	41.5	11.8	14.2	126	10	6200	1230



STANDARD MACHINE ELEMENTS WORLDWIDE