



### 3 Coding

- L Swiveling left
- R Swiveling right

### 4 Type

- A Clamping arm with slotted hole and two flanged washers
- AC Clamping arm with slotted hole, with two flanged washers and GN 708.1 spindle assembly
- B Clamping arm with threaded hole
- F Adapter flange
- N Without clamping arm

## Specification

- Aluminum
  - Hard anodized finish
  - Wear-resistant surface
- Double-action air cylinder  
Max. pressure 6 bar
- Socket cap screw DIN 912  
Steel, zinc plated, blue passivated finish
- Washer ISO 7092  
Steel, zinc plated, blue passivated finish
- Spindle assembly GN 708.1, Type A
  - Steel, zinc plated
  - Rubber tip 85 Shore A
- RoHS compliant

## Accessory

- Clamping arms GN 875.2
- Clamping arms GN 875.3
- Adapter flanges GN 875.4
- Sensor GN 3380
- Toggle clamp spindle assemblies GN 708.1

## Information

GN 875 pneumatic swing clamps are used when the clamping point for inserting and removing the workpiece must be freely accessible on top.

During the clamping action, the arm is first swiveled by 90° and lowered, followed by the linear tensioning motion. The workpiece clamping must take place within the clamping stroke.

The angle orientation of the tensioning arm can be set arbitrarily during mounting on the swing clamp. When tightening the screw, the piston rod must not experience any torque. The clamping arm must therefore be held to prevent twisting.

The pneumatic swing clamps are equipped with a magnetic ring piston and are therefore pre-fitted for end stop detection via sensor.

see also...

- Pneumatic Swing Clamps GN 876 (Threaded Body Style)

### How to order

**GN 875-50-20-R-B**

- |   |                |
|---|----------------|
| 1 | Size           |
| 2 | Diameter $d_1$ |
| 3 | Coding         |
| 4 | Type           |

**Metric table**

Dimensions in: millimeters - inches

Size (Piston Ø)	d <sub>1</sub>	F <sub>s</sub> Clamping force at 6 bar	a	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	d <sub>2</sub> Supply port Thread	d <sub>3</sub> Thread	d <sub>4</sub> H7	d <sub>5</sub> Thread	d <sub>6</sub> Thread	d <sub>7</sub> Thread	h <sub>1</sub>	h <sub>2</sub> ≈ Clamped	h <sub>3</sub> ≈ Unclamped		
																	Type A, Type AC	Type B	Type F
25	14 0.55	170 N 38.22 lbf	20 0.79	55 2.17	35 1.38	11.3 0.44	18 0.71	25 0.98	M 5	M 8	6 0.24	M 6	M 6	M 8	78 3.07	82 3.23	135 5.31	129 5.08	134 5.28
32	16 0.63	270 N 60.70 lbf	25 0.98	60 2.36	45 1.77	14.5 0.57	20 0.79	30 1.18	G 1/8	M 8	6 0.24	M 8	M 8	M 8	90 3.54	95 3.74	153 6.02	147 5.79	154 6.06
40	16 0.63	450 N 101 lbf	25 0.98	70 2.76	55 2.17	14.5 0.57	20 0.79	30 1.18	G 1/8	M 8	6 0.24	M 8	M 8	M 8	90 3.54	95 3.74	153 6.02	150 5.91	154 6.06
50	20 0.79	700 N 157 lbf	30 1.18	85 3.35	65 2.56	17.5 0.69	25 0.98	32 1.26	G 1/8	M 10	8 0.31	M 10	M 8	M 10	100 3.94	105 4.13	172 6.77	165 6.50	167 6.57
63	20 0.79	1100 N 247 lbf	30 1.18	100 3.94	80 3.15	17.5 0.69	25 0.98	32 1.26	G 1/8	M 10	8 0.31	M 10	M 8	M 10	100 3.94	105 4.13	170 6.69	165 6.50	165 6.50

Size (Piston Ø)	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>5</sub>	l <sub>6</sub>	m <sub>1</sub>	m <sub>2</sub>	m <sub>3</sub>	m <sub>4</sub>	m <sub>5</sub>	m <sub>6</sub>	m <sub>7</sub>	t <sub>1</sub> ≈	t <sub>2</sub>	t <sub>3</sub>	t <sub>4</sub>	t <sub>5</sub>	w <sub>1</sub> Clamp- ing stroke	Stroke	w <sub>2</sub>	Max. tighten- ing torque in Nm
32	20 0.79	18 0.71	20.5 0.81	40 1.57	55 2.17	68 2.68	45 1.77	51 2.01	30 1.18	30 1.18	65 2.56	60 2.36	45 1.77	6 0.24	20 0.79	15 0.59	15 0.59	16 0.63	14 0.55	30 1.18	21 0.83	18
40	24.5 0.96	21 0.83	21 0.83	40 1.57	55 2.17	68 2.68	52 2.05	52 2.05	30 1.18	37 1.46	65 2.56	70 2.76	45 1.77	7.5 0.30	20 0.79	15 0.59	15 0.59	16 0.63	15 0.59	30 1.18	21 0.83	18
50	31 1.22	26 1.02	26 1.02	40 1.57	60 2.36	77 3.03	66 2.60	53 2.09	40 1.57	46 1.81	85 3.35	80 3.15	48 1.89	6 0.24	20 0.79	20 0.79	15 0.59	16 0.63	15 0.59	32 1.26	19 0.75	35
63	38 1.50	30 1.18	27.5 1.08	40 1.57	60 2.36	77 3.03	80 3.15	53 2.09	40 1.57	60 2.36	85 3.35	90 3.54	48 1.89	7.5 0.30	20 0.79	20 0.79	15 0.59	16 0.63	15 0.59	30 1.18	19 0.75	35

