



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
 - page 858
 - Steel, zinc plated
 - Rubber tip 85 Shore A
- ISO Fundamental Tolerances → page 2129
- RoHS compliant

Accessory

- Clamping arms GN 875.2 → page 884
- Clamping arms GN 875.3 → page 885
- Adapter flanges GN 875.4 → page 886
- Threaded flanges GN 876.1 → page 887
- Toggle clamp spindle assemblies GN 708.1 → page 858
- Slotted spanner nuts DIN 70852 → page 1135

Information

GN 876 pneumatic swing clamps are used when the clamping point for inserting and removing the workpiece must be freely accessible on top.

The design allows for space-saving mounting. The height of the swing clamp can be adjusted via the threaded body.

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 clamping 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.

see also...

- List of Pneumatic Clamps → page 834
- Pneumatic Swing Clamps GN 875 (Rectangular Block Style) → page 880

How to order

GN876-32-16-L-A

1	Size
2	Diameter d ₁
3	Coding
4	Type

Metric table

Dimensions in: millimeters - inches

Size (Piston Ø)	d ₁	F _s Clamping force at 6 bar	a	b ₁	b ₂	b ₃	d ₂	d ₃ Supply port	d ₄	d ₅	d ₆	h ₁	h ₂ ≈ Clamped	h ₃ ≈ Unclamped		
														Type A, Type AC	Type B	Type F
25	14 <i>0.55</i>	170 N <i>38.22 lbf</i>	20 <i>0.79</i>	11.3 <i>0.44</i>	18 <i>0.71</i>	25 <i>0.98</i>	M 40 x 1.5	M 5	M 6	M 6	M 8	70 <i>2.76</i>	74 <i>2.91</i>	128 <i>5.04</i>	122 <i>4.80</i>	127 <i>5.00</i>
32	16 <i>0.63</i>	270 N <i>60.70 lbf</i>	25 <i>0.98</i>	14.5 <i>0.57</i>	20 <i>0.79</i>	30 <i>1.18</i>	M 50 x 1.5	G 1/8	M 8	M 8	M 8	79 <i>3.11</i>	83 <i>3.27</i>	141 <i>5.55</i>	135 <i>5.31</i>	142 <i>5.59</i>
40	16 <i>0.63</i>	450 N <i>101 lbf</i>	25 <i>0.98</i>	14.5 <i>0.57</i>	20 <i>0.79</i>	30 <i>1.18</i>	M 55 x 1.5	G 1/8	M 8	M 8	M 8	83 <i>3.27</i>	87 <i>3.43</i>	144 <i>5.67</i>	141 <i>5.55</i>	145 <i>5.71</i>
50	20 <i>0.79</i>	700 N <i>157 lbf</i>	30 <i>1.18</i>	17.5 <i>0.69</i>	25 <i>0.98</i>	32 <i>1.26</i>	M 65 x 1.5	G 1/8	M 10	M 8	M 10	87 <i>3.43</i>	92 <i>3.62</i>	156 <i>6.14</i>	156 <i>6.14</i>	151 <i>5.94</i>
63	20 <i>0.79</i>	1100 N <i>247 lbf</i>	30 <i>1.18</i>	17.5 <i>0.69</i>	25 <i>0.98</i>	32 <i>1.26</i>	M 80 x 1.5	G 1/8	M 10	M 8	M 10	92 <i>3.62</i>	97 <i>3.82</i>	162 <i>6.38</i>	162 <i>6.38</i>	157 <i>6.18</i>

Size (Piston Ø)	d ₁	k	l ₁	l ₂	l ₃	l ₄	m ₁	m ₂	m ₃	t	w ₁ Clamping stroke	Stroke	w ₂	Max. tightening torque in Nm
25	14 <i>0.55</i>	8.9 <i>0.35</i>	43 <i>1.69</i>	3 <i>0.12</i>	16 <i>0.63</i>	55 <i>2.17</i>	50 <i>1.97</i>	50 <i>1.97</i>	38 <i>1.50</i>	14 <i>0.55</i>	14 <i>0.55</i>	28 <i>1.10</i>	18 <i>0.71</i>	9
32	16 <i>0.63</i>	12.7 <i>0.50</i>	54 <i>2.13</i>	3 <i>0.12</i>	12 <i>0.47</i>	68 <i>2.68</i>	65 <i>2.56</i>	60 <i>2.36</i>	45 <i>1.77</i>	16 <i>0.63</i>	14 <i>0.55</i>	30 <i>1.18</i>	21 <i>0.83</i>	18
40	16 <i>0.63</i>	14.3 <i>0.56</i>	58 <i>2.28</i>	3 <i>0.12</i>	12 <i>0.47</i>	68 <i>2.68</i>	65 <i>2.56</i>	70 <i>2.76</i>	45 <i>1.77</i>	16 <i>0.63</i>	14 <i>0.55</i>	29 <i>1.14</i>	21 <i>0.83</i>	18
50	20 <i>0.79</i>	17.8 <i>0.70</i>	61 <i>2.40</i>	3 <i>0.12</i>	12 <i>0.47</i>	77 <i>3.03</i>	85 <i>3.35</i>	80 <i>3.15</i>	48 <i>1.89</i>	16 <i>0.63</i>	14 <i>0.55</i>	29 <i>1.14</i>	19 <i>0.75</i>	35
63	20 <i>0.79</i>	20.3 <i>0.80</i>	64 <i>2.52</i>	3 <i>0.12</i>	13 <i>0.51</i>	77 <i>3.03</i>	85 <i>3.35</i>	90 <i>3.54</i>	48 <i>1.89</i>	16 <i>0.63</i>	15 <i>0.59</i>	30 <i>1.18</i>	19 <i>0.75</i>	35

