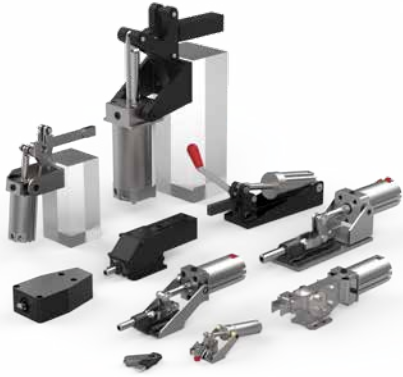











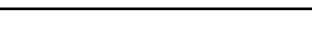








PNEUMATIC TOGGLE CLAMPS

Sizing and Application Chart



Click
Page #
View

| Series | Page MC-PTC-# | Max. Holding Capacity N [lbf.] | | Max. Exerting Force at 5bar [72PSI] N [lbf.] | | | | | | | | | |
|--------|---------------|-----------------------------------|---------------------------|---|----------------------------|-----------------------------|------------------------------|----------------|----------------------|---------------------------|---------------------------|---------------------------|----------------------------|
| | | 0 to 1000 [0 to 225] | 1000 to 2000 [225 to 450] | 2000 to 3000 [450 to 675] | 3000 to 5000 [675 to 1125] | 5000 to 7000 [1125 to 1575] | 7000 to 10000 [1575 to 2250] | 10000+ [2250+] | 0 to 1000 [0 to 225] | 1000 to 2000 [225 to 450] | 2000 to 3000 [450 to 675] | 3000 to 4000 [675 to 900] | 4000 to 5000 [900 to 1125] |

| | | | | | | | | | | | | | | | |
|---|------|----|---|---|---|--|---|---|---|---|---|---|---|---|---|
|  | 812 | 3 | • | | | | | | • | | | | | | |
|  | 802 | 5 | • | | | | | | | • | | | | | |
|  | 807 | 7 | | • | | | | | | | • | | | | |
|  | 810 | 9 | | | • | | | | | | | • | | | |
|  | 846 | 11 | | | • | | | | | | | • | | | |
|  | 847 | 15 | | | • | | | | | | | | • | | |
|  | 8007 | 13 | | | • | | | | | | • | | | | |
|  | 858 | 17 | | | | | | • | | | | | | | • |
|  | 8021 | 19 | • | | | | | | • | | | | | | |
|  | 8071 | 19 | • | | | | | | | • | | | | | |
|  | 817 | 21 | • | | | | | | | • | | | | | |
|  | 827 | 21 | | | • | | | | | | • | | | | |
|  | 868 | 23 | | | | | | | | | | | | | • |
|  | 803 | 25 | | • | | | | | | | • | | | | |
|  | 8031 | 26 | | | | | • | | | | | • | | | |
|  | 830 | 27 | | | | | | • | | | | • | | | |
|  | 850 | 28 | | | | | | • | | | | | | • | |
|  | 800 | 29 | | | | | | | • | | | | | | |
| | 1200 | 29 | | | | | | | • | | | | | | |



PNEUMATIC TOGGLE CLAMPS

Sizing and Application Chart

| Overall Height mm [inch] | | Overall Length mm [inch] | | Overall Width mm [inch] | | Suitable Application Areas | | | | Service Environ- ment | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|-------------------------|-----------------------------|---------------------------|----------------------------|---------------------------|----------------------------------|---------------------------|---------------------------|----------------------------|-----------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|-----------------------------|---------------|-------------------------|-------------------------|-------------------------|--------------------------|---------------------------|---------|----------|-----------------|------------|----------------------------------|---------------|-------------------|--------|-------------|--|
| 0 to 50 [0 to 1.97] | 50 to 75 [1.97 to 2.95] | 75 to 100 [2.95 to 3.94] | 100 to 125 [3.94 to 4.92] | 125 to 150 [4.92 to 5.91] | 150 to 175 [5.91 to 6.89] | 175 to 200 [6.89 to 7.87] | 200 to 225 [7.87 to 8.86] | 225 to 250 [8.86 to 9.84] | 250 to 275 [9.84 to 10.83] | 275+ [10.83+] | 125 to 150 [4.92 to 5.91] | 150 to 175 [5.91 to 6.89] | 175 to 200 [6.89 to 7.87] | 200 to 225 [7.87 to 8.86] | 225 to 250 [8.86 to 9.84] | 250 to 300 [9.84 to 11.81] | 300 to 400 [11.81 to 15.75] | 400+ [15.75+] | 20 to 40 [0.78 to 1.57] | 40 to 60 [1.57 to 2.36] | 60 to 80 [2.36 to 3.15] | 80 to 100 [3.15 to 3.94] | 100 to 120 [3.94 to 4.72] | Welding | Assembly | Light Machining | Duty Cycle | Accommodates Workpiece Variation | U-Bar Version | Solid Arm Version | Normal | Harsh/Dirty | |
| ● | | | | | | | | | | | ● | | | | | | | | ● | | | | | ● | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | ● | | | | | | | | | | | | ● | | | | | | | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | ● | | | | | | | | | | | | ● | | | | | | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | ● | | | | | | | | | | | | ● | | | | | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | ● | | | | | | | | | | | | ● | | | | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | ● | | | | | | | | | | | | ● | | | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | ● | | | | | | | | | | | | ● | | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | ● | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | ● | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | ● | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | ● | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | ● | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | ● | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | ● | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | ● | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | ● | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | ● | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | ● | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | ● | ● | | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | ✓ | ✓ | |
| | | | | | | | | | | | | | | | | | | | ● | ● | | | | | ○ | ○ | ○ | ○ | ✓ | ✓ | | | |