

2 Type

- C** With horizontal mounting base
- G** With vertical mounting base

Metric table



Dimensions in: millimeters - inches

| Size | F _H Holding capacity | b ₁ | b ₂ | b ₃ | b ₄ | d | h ₁ | h ₂ | h ₃ | h ₄ | h ₅ |
|------|------------------------------------|----------------|----------------|----------------|----------------|--------------|----------------|----------------|----------------|----------------|----------------|
| 220 | 2200 N 495 lbf | 36 1.42 | 48 1.89 | 13 0.51 | 6 0.24 | 6.5 0.26 | 74 2.91 | 89 3.50 | 30 1.18 | 45.5 1.79 | 17.5 0.69 |
| 440 | 4400 N 989 lbf | 54 2.13 | 65 2.56 | 20 0.79 | 10 0.39 | 8.5 0.33 | 121 4.76 | 140.5 5.53 | 50 1.97 | 69.5 2.74 | 28 1.10 |
| 850 | 8500 N 1911 lbf | 75 2.95 | 75 2.95 | 24 0.94 | 12 0.47 | 10.5 0.41 | 158 6.22 | 180 7.09 | 67 2.64 | 88 3.46 | 35 1.38 |
| 1540 | 15400 N 3462 lbf | 90 3.54 | 100 3.94 | 34 1.34 | 16 0.63 | 12.5 0.49 | 193 7.60 | 222 8.74 | 76.5 3.01 | 106 4.17 | 40 1.57 |

| Size | l ₁ | l ₂ | l ₃ | m ₁ | m ₂ | m ₃ | m ₄ | r | s ₁ | s ₂ |
|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|
| 220 | 57.5 2.26 | 24 0.94 | 29 1.14 | 20 0.79 | 32 1.26 | 8 0.31 | 8 0.31 | 50 1.97 | 3.5 0.14 | 6 0.24 |
| 440 | 85.5 3.37 | 32 1.26 | 42.5 1.67 | 30 1.18 | 45 1.77 | 12 0.47 | 10 0.39 | 73 2.87 | 5 0.20 | 10 0.39 |
| 850 | 115 4.53 | 38 1.50 | 52 2.05 | 55 2.17 | 55 2.17 | 10 0.39 | 10 0.39 | 99 3.90 | 6 0.24 | 12 0.47 |
| 1540 | 147.5 5.81 | 53 2.09 | 68 2.68 | 65 2.56 | 75 2.95 | 12.5 0.49 | 17.5 0.69 | 127.5 5.02 | 8 0.31 | 16 0.63 |

Specification

- Lever arm
Steel
- Forged
- Blackened finish
- Parts in sheet metal
Case-hardened steel C10, blackened finish
- Bearing pins and rivets
Steel, hardened and ground
- All moving parts
Lubricated with special grease
- **RoHS compliant**

Accessory

- Handles, arm levers, bushings, clamping arm extenders, base plates → page QVX

Information

GN 810.12 knee lever modules have the same properties and attributes as the GN 810.10 and GN 810.11 toggle clamps. The clamping arms are die-forged, the remaining steel sheet parts have been reinforced, bearing pins and rivets are hardened and ground.

Therefore knee lever modules are suitable for applications in which substantial forces occur and in which a long service life is required.

During extensive testing, with trouble free function and under load, the clamp has withstood over one million opening and closing cycles.

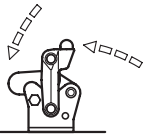
These knee lever modules permit the size and position of the lever and clamping arms to be adjusted to match the specific application.

see also...

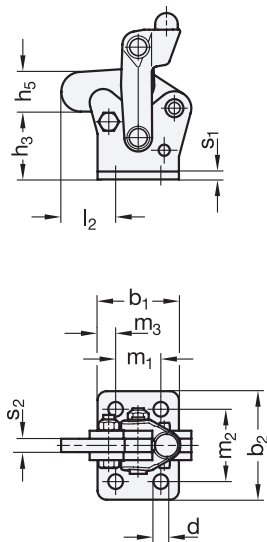
- *General Information on Toggle Clamps* → page QVX
- *Vertical Acting Toggle Clamps GN 810.10 (with Horizontal Mounting Base)* → page QVX
- *Vertical Acting Toggle Clamps GN 810.11 (with Vertical Mounting Base)* → page QVX
- *Knee Lever Modules GN 810.13 (with Weldable Base)* → page QVX

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|--|--|--------|
| <p>How to order</p> <p>GN 810.12-440-G</p> | | 1 Size |
| | | 2 Type |

1.1 1.2 1.3 1.4 1.5 2.1 2.2 2.3 2.4



Type C



Type G

