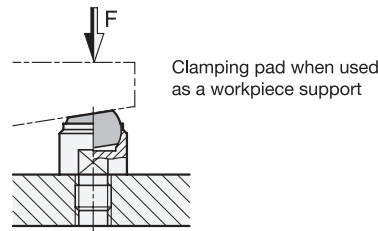


**Application example**



SS Stainless Steel

**Type**

- B** Smooth contact face
- R\*** Serrated contact face
- BR** Smooth contact face, with automatic return
- RR\*** Serrated contact face, with automatic return
- RH** Serrated contact face, with hard metal ball
- RRH** Serrated contact face, with automatic return, with hard metal ball

**Metric table**

| d <sub>1</sub> | d <sub>2</sub> |      | d <sub>3</sub>       |               | d <sub>4</sub> | l <sub>1</sub> ±0.02 | l <sub>2</sub> ±0.1 | l <sub>3</sub> | A/F        | Static load max.    |
|----------------|----------------|------|----------------------|---------------|----------------|----------------------|---------------------|----------------|------------|---------------------|
|                | Thread         |      | Type B / R / BR / RR | Type RH / RRH |                |                      |                     |                |            |                     |
| 13<br>0.51     | M 6            | M 8  | 7.2<br>0.28          | 8.3<br>0.33   | 10<br>0.39     | 13<br>0.51           | 13<br>0.51          | 8<br>0.31      | 11<br>0.43 | 10 kN<br>2248 lbf   |
| 20<br>0.79     | M 8            | M 10 | 10.5<br>0.41         | 13.2<br>0.52  | 16<br>0.63     | 18<br>0.71           | 18<br>0.71          | 10<br>0.39     | 17<br>0.67 | 25 kN<br>5620 lbf   |
| 20<br>0.79     | M 12           | -    | 10.5<br>0.41         | 13.2<br>0.52  | 16<br>0.63     | 18<br>0.71           | 18<br>0.71          | 12<br>0.47     | 17<br>0.67 | 25 kN<br>5620 lbf   |
| 30<br>1.18     | M 16           | -    | 20<br>0.79           | 20<br>0.79    | 25<br>0.98     | 27<br>1.06           | 27<br>1.06          | 16<br>0.63     | 27<br>1.06 | 90 kN<br>20233 lbf  |
| 50<br>1.97     | M 20           | -    | 34.5<br>1.36         | 34.5<br>1.36  | 40<br>1.57     | 35<br>1.38           | 35<br>1.38          | 20<br>0.79     | 41<br>1.61 | 165 kN<br>37093 lbf |
| 50<br>1.97     | M 24           | -    | 34.5<br>1.36         | 34.5<br>1.36  | 40<br>1.57     | 35<br>1.38           | 35<br>1.38          | 24<br>0.94     | 41<br>1.61 | 165 kN<br>37093 lbf |

Dimensions in: millimeters - inches

\* Only available for GN 709.1

**Specification**

- **GN 709.1**
  - Clamping pad body  
Steel, tempered, phosphate-treated
  - Ball (Type B / R / BR / RR)  
Steel, hardened, plain finish
  - Ball (Type RH / RRH)  
Hard metal steel, nickel plated
  - Spring element (Type BR / RR / RRH)  
Plastic (PUR)
- **GN 709.15**
  - Clamping pad body  
Stainless steel AISI 431  
Tempered
  - Ball (Type B / BR)  
Stainless steel AISI 420C  
Nickel plated
  - Ball (Type RH / RRH)  
Hard metal steel, nickel plated
  - Spring element (Type BR / RRH)  
Plastic (PUR)

• RoHS compliant

**Information**

GN 709.1 and GN 709.15 clamping pads are used as mobile supports or as thrust blocks for clamping workpieces. They can also be used as stops. For cast iron parts the use of clamping pads with a hardened metal ball is recommended.

The contact face of clamping pads with automatic return moves back to its initial position after the clamping process. This prevents the ball from jamming in an inclined position when the workpiece is inserted.

The ball is limited to an angular movement of no more than 9° and is secured against further twisting.

see also...

- Clamping Pads GN 709.3 (with Threaded Stud, Adjustable) → [www.jwwinco.com](http://www.jwwinco.com)
- Clamping Pads GN 709.7 (Tapped) → [www.jwwinco.com](http://www.jwwinco.com)

|                                |                           |
|--------------------------------|---------------------------|
| How to order (Steel)           | 1 Diameter d <sub>1</sub> |
| <b>GN 709.1-20-M10-R</b>       | 2 Thread d <sub>2</sub>   |
|                                | 3 Type                    |
|                                | 1 Diameter d <sub>1</sub> |
| How to order (Stainless steel) | 2 Thread d <sub>2</sub>   |
| <b>GN 709.15-13-M8-B</b>       | 3 Type                    |

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9  
3.10