# **Self-Aligning Pads** • adjustable, self-resetting

# EH 22741.



## **Product Description**

Self-aligning pads are used as stop, support and thrust pad and are suitable for installation in clamping elements.

By resetting to the parallel position the contact point of the self-aligning pad provides a defined initial position, thus preventing the pad clamping in an oblique position when inserting the workpiece.

### **Material**

## Spring element

Thermoplastic PUR

#### Ball

- Ball-bearing steel, hardened, bright
- · Stainless steel 1.3541, nickel-plated

#### **Body**

- · Heat-treated steel, tempered, phosphated
- Stainless steel 1.4057, heat-treated

#### Nut

- Steel, blackened (ISO 4035)
- · Stainless steel

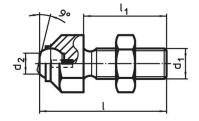
## More information

#### **Notes**

Ball protected against rotating. Loading capacity valid for steel and stainless steel designs.

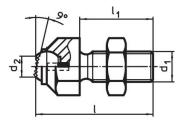
Customized design on request.

# **Drawing**





Erwin Halder KG



picture 1

picture 2

## **Order information**

|  |                    | Dim            | nensions        | Load capacity | Tightening torque | I               | Art. No. |     |            |  |  |  |
|--|--------------------|----------------|-----------------|---------------|-------------------|-----------------|----------|-----|------------|--|--|--|
| d <sub>1</sub>   | I                  | I <sub>1</sub> | d <sub>2</sub>  | e             | Ball diameter     | for static load | max.     | _   |            |  |  |  |
|  |                    |                |                 |               |                   | max.            |          |     |            |  |  |  |
|  |                    |                | [mm]            | [kN]          | [Nm]              | [9]             |          |     |            |  |  |  |
| with flat-faced ball, bearing surface plain – picture 1, Heat-treated steel  |                    |                |                 |               |                   |                 |          |     |            |  |  |  |
| M 8  | 36.6               | 25             | 5.8             | 14.5          | 8.5               | 8               | 25       | 20  | 22741.0013 |  |  |  |
| M10  | 45.7               | 30             | 8.6             | 19.0          | 12.0              | 8               | 46       | 44  | 22741.0016 |  |  |  |
| M12  | 50.7               | 35             | 8.6             | 19.0          | 12.0              | 15              | 82       | 56  | 22741.0017 |  |  |  |
| M16  | 60.7               | 40             | 10.5            | 27.0          | 16.0              | 25              | 206      | 128 | 22741.0024 |  |  |  |
| M20  | 77.3               | 50             | 20.0            | 33.0          | 25.0              | 90              | 407      | 273 | 22741.0030 |  |  |  |
| M24  | 100.0              | 70             | 20.0            | 40.0          | 25.0              | 90              | 698      | 466 | 22741.0036 |  |  |  |
| M30 x 1,5  | 100.0              | 65             | 34.6            | 51.0          | 40.0              | 165             | 1355     | 885 | 22741.0046 |  |  |  |
| with flat-faced ba   | all, bearing surfa | ce plain –     | picture 1, Stai | nless steel   |                   |                 |          |     |            |  |  |  |
| M 8  | 36.6               | 25             | 5.8             | 14.5          | 8.5               | 8               | 25       | 20  | 22741.0113 |  |  |  |
| M10  | 45.7               | 30             | 8.6             | 19.0          | 12.0              | 8               | 46       | 44  | 22741.0116 |  |  |  |
| M12  | 50.7               | 35             | 8.6             | 19.0          | 12.0              | 15              | 82       | 56  | 22741.0117 |  |  |  |
| M16  | 60.7               | 40             | 10.5            | 27.0          | 16.0              | 25              | 206      | 128 | 22741.0124 |  |  |  |
| M20  | 77.3               | 50             | 20.0            | 33.0          | 25.0              | 90              | 407      | 273 | 22741.0130 |  |  |  |
| M24  | 100.0              | 70             | 20.0            | 40.0          | 25.0              | 90              | 698      | 466 | 22741.0136 |  |  |  |
| M30 x 1,5  | 100.0              | 65             | 34.6            | 51.0          | 40.0              | 165             | 1355     | 885 | 22741.0146 |  |  |  |
| with flat-faced ball, bearing surface ribbed – picture 2, Heat-treated steel |                    |                |                 |               |                   |                 |          |     |            |  |  |  |
| M 8  | 36.6               | 25             | 5.8             | 14.5          | 8.5               | 8               | 25       | 20  | 22741.0313 |  |  |  |
| M10  | 45.7               | 30             | 8.6             | 19.0          | 12.0              | 8               | 46       | 44  | 22741.0316 |  |  |  |
| M12  | 50.7               | 35             | 8.6             | 19.0          | 12.0              | 15              | 82       | 56  | 22741.0317 |  |  |  |

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Published on: 13.11.2024

|                |       | Dim            | ensions        | Load capacity | Tightening torque | I               | Art. No. |     |            |
|----------------|-------|----------------|----------------|---------------|-------------------|-----------------|----------|-----|------------|
| d <sub>1</sub> | ı     | l <sub>1</sub> | d <sub>2</sub> | е             | Ball diameter     | for static load | max.     | _   |            |
|                |       |                |                |               |                   | max.            |          |     |            |
|                |       |                | [mm]           | [kN]          | [Nm]              | [g]             |          |     |            |
| M16            | 60.7  | 40             | 10.5           | 27.0          | 16.0              | 25              | 206      | 128 | 22741.0324 |
| M20            | 77.3  | 50             | 20.0           | 33.0          | 25.0              | 90              | 407      | 278 | 22741.0330 |
| M24            | 100.0 | 70             | 20.0           | 40.0          | 25.0              | 90              | 698      | 466 | 22741.0336 |
| M30 x 1,5      | 100.0 | 65             | 34.6           | 51.0          | 40.0              | 165             | 1355     | 915 | 22741.0346 |

# Compliance

# **RoHS** compliant

Compliant according to Directive 2011/65/EU and Directive 2015/863.

# Does not contain SVHC substances

No SVHC substances with more than 0.1% w/w contained - SVHC list [REACH] as of 27.06.2024.

# Does not contain Proposition 65 substances

No Proposition 65 substances included. https://www.P65Warnings.ca.gov/

# **Free from Conflict Minerals**

This product does not contain any substances designated as "conflict minerals" such as tantalum, tin, gold or tungsten from the Democratic Republic of Congo or adjacent countries.



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Published on: 13.11.2024