

# INDUSTRIAL SHOCK ABSORBERS POWERSTOP

## THREAD M4X0.5

### ► SERIES

**PowerStop®**

#### MINI ENERGY



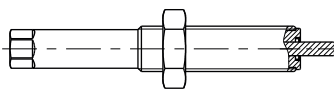
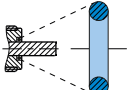
The slender

|                                      |                  |                                      |                     |
|--------------------------------------|------------------|--------------------------------------|---------------------|
| ► <b>Material</b>                    | Stainless steel  | ► <b>Organic oil (biodegradable)</b> | HEES                |
| ► <b>Permitted temperature range</b> | -10 ... +70 [°C] | ► <b>H1-certified</b>                | Yes                 |
| ► <b>Angle of Impact max.</b>        | 2 [°]            | ► <b>Certifications</b>              | LABS / REACH / RoHS |
| ► <b>Max. force at fixed stop</b>    | 0.2 [kN]         |                                      |                     |
| ► <b>Lock nut tightening torque</b>  |                  | ► <b>Max. absolute pressure</b>      |                     |
| - Mini Energy                        | 1 [Nm]           | - Mini Energy                        | 10 [bar]            |

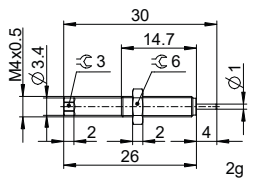
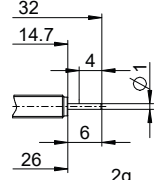
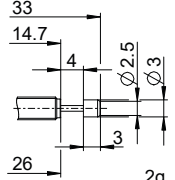
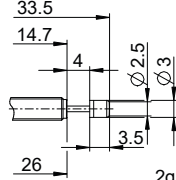
### ► TECHNICAL DATA

|             | Design | Series | Thread | Stroke variant | Stroke<br>max.<br>[mm] | Hardness degree | Impact velocity |       |       | Energy absorption max. |          |                          | Protection | Reset |      |      | Head | Integrated stop | Version |
|-------------|--------|--------|--------|----------------|------------------------|-----------------|-----------------|-------|-------|------------------------|----------|--------------------------|------------|-------|------|------|------|-----------------|---------|
|             |        |        |        |                |                        |                 | min.            |       | max.  | Continuous operation   |          | Emergency stop operation |            | Force |      | Time |      |                 |         |
|             |        |        |        |                |                        |                 | [m/s]           | [m/s] | [m/s] | per stroke             | per hour | per stroke               |            | min.  | max. | max. |      |                 |         |
|             |        |        |        |                |                        |                 | [m/s]           | [m/s] | [m/s] | [J]                    | [J/h]    | [J]                      |            | [N]   | [N]  | [s]  |      |                 |         |
| MINI ENERGY | P      | ME     | 04X05  | N              | 4                      | H               | 0,1             | 1,2   |       | 0,8                    | 2.100    | 0,8                      | D          | 1     | 2    | 0,15 | D    | x               | -B      |
|             |        |        |        |                |                        | -               |                 |       |       |                        |          |                          | -          |       |      |      | -    | -               |         |
|             |        |        |        |                |                        | M               | 0,8             | 2,2   |       | 0,8                    | 2.100    | 0,8                      | A          | 1     | 2    | 0,15 | S    | x               |         |
|             |        |        |        |                |                        |                 |                 |       |       |                        |          |                          |            |       |      |      | K    | x               |         |

## ► PROTECTION

| no protection                                                                     | Wiper (NBR)                                                                       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>D</b> <b>-B</b>                                                                | <b>A</b> <b>-B</b>                                                                |
|  |  |
| in a clean environment                                                            | against liquid, oil, ...                                                          |

## ► TECHNICAL DRAWINGS

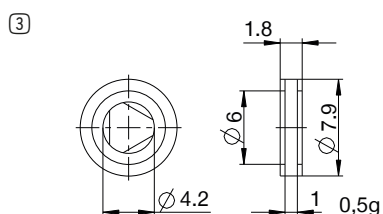
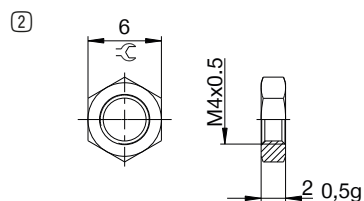
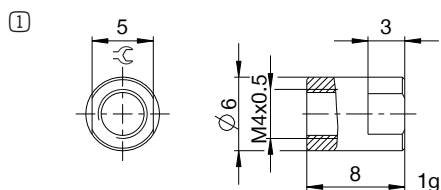
|                    | Short piston rod no head                                                           | Long piston rod no head                                                            | with steel head                                                                    | with plastic head                                                                   |
|--------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                    | <b>N</b> <b>D</b> <b>-B</b>                                                        | <b>N</b> <b>E</b> <b>-B</b>                                                        | <b>N</b> <b>S</b> <b>-B</b>                                                        | <b>N</b> <b>K</b> <b>-B</b>                                                         |
| <b>MINI ENERGY</b> |  |  |  |  |

# INDUSTRIAL SHOCK ABSORBERS POWERSTOP

## THREAD M4X0.5

### ► ACCESSORIES

| Pos. | Order no.         | Accessories             | Remarks                                                                           |
|------|-------------------|-------------------------|-----------------------------------------------------------------------------------|
| ①    | <b>PAH04X05-A</b> | Stop sleeve             | Including 1x PVM04X05-A. Industrial shock absorber with bellow excluded.          |
| ②    | <b>PVM04X05-A</b> | Stainless steel locknut | Included with the industrial shock absorber.                                      |
| ③    | <b>PDD04X05-A</b> | Pressure chamber seal   | Recommended fixation with PVM04X05-A. Seal must be in full contact on both sides. |



## ► CLASSIFICATION

P ME 04X05 N M D S -B

### Design

**P** Industrial shock absorbers PowerStop

### Series

**ME** Mini Energy

**SE** Standard Energy

**HE** High Energy

**AE** Adjustable Energy

### Thread

**04** Thread nominal diameter

**X**

**05** Thread pitch (factor 10)

### Stroke variant

**N** Standard stroke

**L** Long stroke

### Hardness degree

**H** Hard (0.1 - 1.2 m/s; Adjustable Energy: 0.1 - 5 m/s)

**M** Medium (0.8 - 2.2 m/s)

**S** Soft (1.8 - 3.5 m/s)

**W** Supersoft (3 - 5 m/s)

### Protection

**D** no protection

**F** Felt ring

**A** Wiper (NBR)

**B** Bellow (TPE)

### Head

**D** Short piston rod no head

**E** Long piston rod no head

**S** with steel head

**K** with plastic head

### Version

**-A** Versioning from a to z