

**WRD-H**  
**Rotary dampers high-torque range**
**General Information**

Rotary dampers may under no circumstances be welded, painted or provided with clamps. The products must be protected against contamination, fluids and air pressure. We offer special solutions for these applications.

When rotary dampers are used parallel the size of the model and the used degree of hardness / used adjustment has to be the same. The load has to be distributed equally.

When a shock absorber is used for an emergency case, an external end stop must be provided. If the absorption should be insufficient, please contact Weforma or the respective representation. You will find further technical informations to the series in our catalogue.

**Temperature**

WRD-H: -5 °C - +70 °C

Reference temperature for all technical information: 20 °C

At a higher temperatures the energy absorption or torque is reduced.

Fix the rotary damper at the intended bores and flats. It is not allowed to loaded rotary dampers in a static way or to fix them by welding.

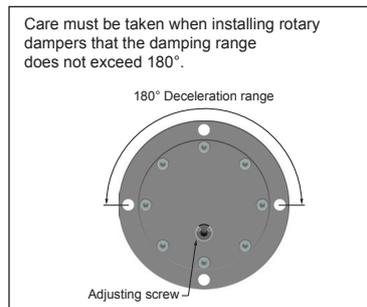
Rotary damper can not be used with aggressive fluids. Exception WRD-H...VA

**Adjustment**

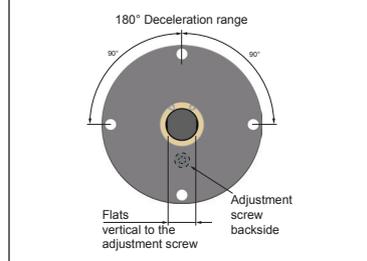
If the mass in a trial run impacts excessively hard on the end position select the next model with higher torque for the series WRD-H 0607, 0805, 1208, 1610 and 2010. If the mass don't reach the end position or the time is to long select the next model with lower torque for the series mentioned above.

Rotary dampers of the series WRD-H 2515, 3015, 4025, 6030, 7550, 9565 and 12070 are adjustable. If the damping is not sufficient, increase the damping continuously by rotating the adjustment to „+“. If the mass don't reach the end position or the time is to long, decrease the damping continuously by rotating the adjustment to „-“. If the adjustment is not sufficient in an end position contact Weforma.

Rotary dampers should under no circumstance be loaded over the damping angle mentioned in the catalogue.



The dampers are delivered with the piston rod in a central position i.e. the spanner flat is perpendicular to the adjusting screw. On delivery the piston rod can be turned 90° either clockwise or anti-clockwise.


**WRD**  
**Rotary dampers**
**General Information**

Rotary dampers may under no circumstances be welded, painted or provided with clamps. The products must be protected against contamination, fluids and air pressure. We offer special solutions for these applications.

When rotary dampers are used parallel the size of the model and the used degree of hardness / used adjustment has to be the same. The load has to be distributed equally.

When a shock absorber is used for an emergency case, an external end stop must be provided. If the absorption should be insufficient, please contact Weforma or the respective representation. You will find further technical informations to the series in our catalogue.

**Temperature**

WRD: 0 °C - +50 °C

Reference temperature for all technical information: 20 °C

At a higher temperatures the energy absorption or torque is reduced.

Fix the rotary damper at the intended bores and flats. It is not allowed to loaded rotary dampers in a static way or to fix them by welding.

Rotary damper can not be used with aggressive fluids. Exception WRD-H...VA

**Adjustment**

If the mass in a trial run impacts excessively hard on the end position select the next model with higher torque for the series WRD 16, 18, 19, 20, 34, 40, 60, 73, 88 and 100.

If the mass don't reach the end position or the time is to long select the next model with lower torque for the series mentioned above.

Rotary dampers of the series WRD 22 and WRD 23 are adjustable. If the damping is not sufficient, increase the damping continuously by rotating the adjustment to „+“. If the mass don't reach the end position or the time is to long, decrease the damping continuously by rotating the adjustment to „-“. If the adjustment is not sufficient in an end position contact Weforma.

WRD 58, 62 und 88: The damping is continuously. If this is too weak or too strong, please contact Weforma.

Rotary dampers should under no circumstance be loaded over the damping angle mentioned in the catalogue.

**Weforma Dämpfungstechnik GmbH**

Werther Str. 44 • D-52224 Stolberg  
 Tel.: +49 (0) 2402 / 98920  
 Fax: +49 (0) 2402 / 989220  
 E-Mail: info@weforma.com  
 www.weforma.com