



RD 241013 and RD 241029 Radial Dampers For continuous damping of inclined gates with running rack

The DICTATOR radial dampers with gearwheel, model 4 (16 teeth) and model 6 (12 teeth) have especially been designed for sliding gates being usually opened and closed by a door drive unit with the help of a rack. For safety reasons a RD 241013 or 241029 radial damper should be fitted on all ascending gates to control the closing speed over the complete distance in the event of power failure.

As these radial dampers are mainly used at the outside they are rust resistant.

Installation and Operating Instructions

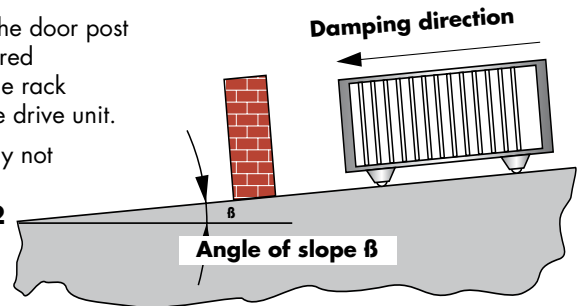
The radial damper is fixed to the door post or near the drive unit. The geared wheel must be in mesh with the rack transmitting the power from the drive unit.

The load on the damper M may not exceed 7 Nm:

$$M \text{ [Nm]} = G \times \sin\beta \times 0.032$$

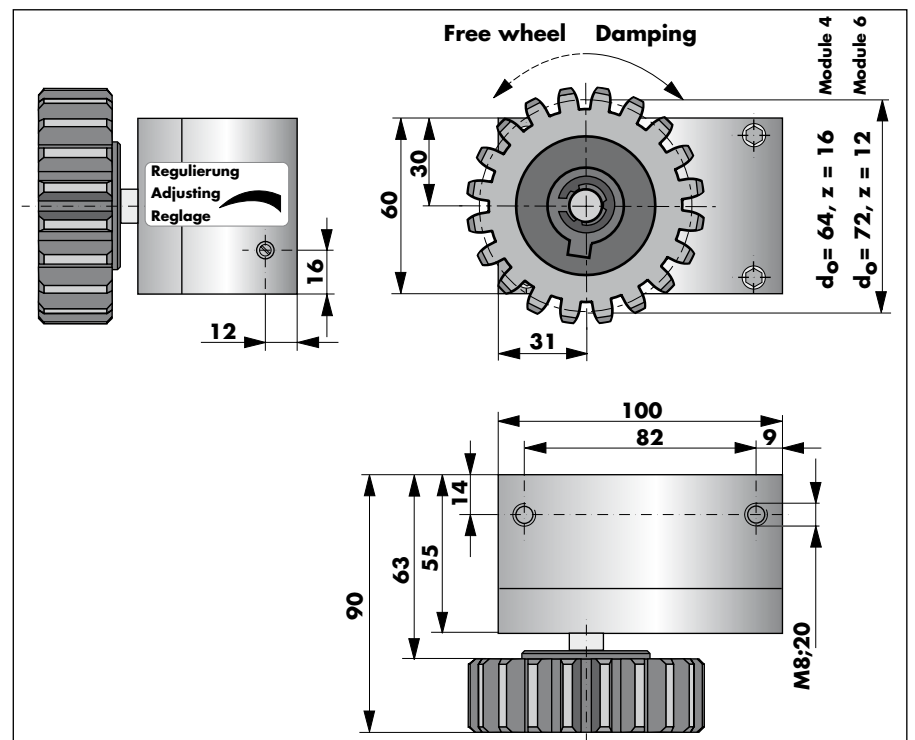
{ G = weight of the gate in N
 β = ascent in degrees }

The diagram below shows the direction in which the toothed wheel usually rotates. You can change the damping direction by removing the lock washer from the axle and taking off the toothed wheel. Now it is put back on the axle the other way round and secured again. Take care not to damage the inner shaft seals which protect the free wheel.



The closing speed can continuously be varied by the adjustment screw.

Dimensions



Order Information

Radial damper with toothed wheel module 4 (Ø 64, 16 teeth)	part no. 241013
Radial damper with toothed wheel module 6 (Ø 72, 12 teeth)	part no. 241029