



# LIFTMASTER®

## Hydraulic Gate Damper

Radial-dampers with geared wheel, to suit mod 4 rack, have been especially designed for sliding gates. For safety reasons a RD 241 013 radial-damper should be fitted on all ascending gates to control the opening or closing speed over the complete distance in the event of manual operation during a power failure.

The radial damper is fixed near the drive unit. The geared wheel must mesh with the rack which transmits the power from the drive unit.

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

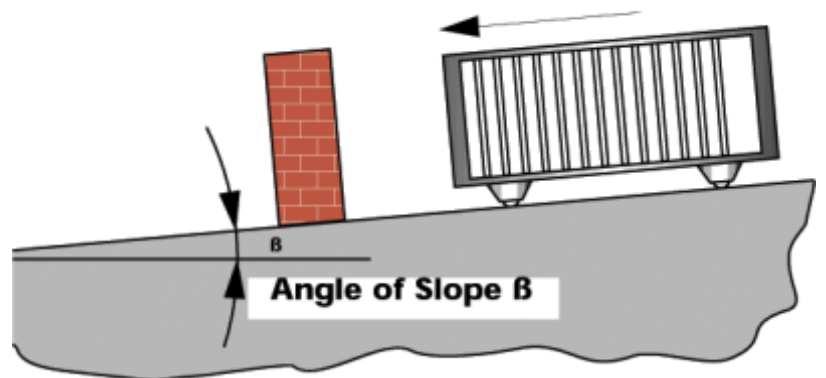
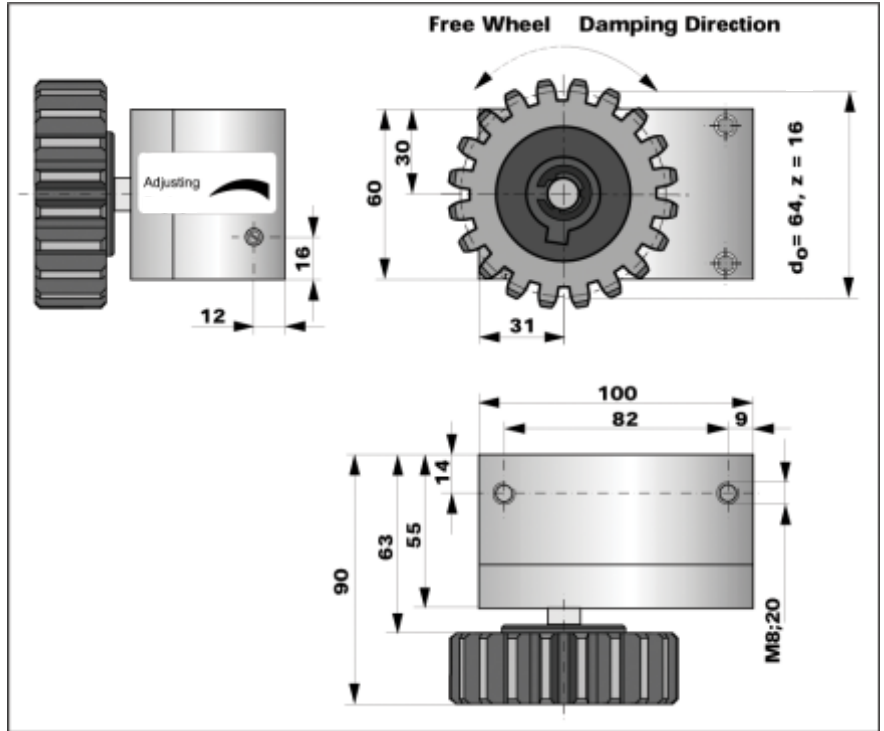
$$M \text{ [Nm]} = G \times \sin\beta \times 0,032$$

G = weight of the gate in N

β = ascent in degrees

Also available on special order is a damper with load up to 13.6Nm, please consult Liftmaster for details.

The diagram shows the direction in which the toothed wheel usually rotates. You can change the damping direction by, removing the lock washer, taking off the wheel and then placing it back on the axle the other way round. Make sure you put the lock washer back on. The closing speed can be varied between 0.08 and 0.2 m/s by the adjustment screw. An internal thermostatic valve ensures that the closing speed remains the same under changing temperature (-15° to +70°C).



As these radial-dampers are mainly used externally they are rust resistant.

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