

MAMMOTH-180

HYDRAULIC 180° GATE CLOSER AND HINGE IN ONE

SPECIFICATIONS

- › The gate closer shall be 100% mechanical (no electronic components).
- › It shall be possible to adjust the closing speed of the gate by simply adjusting a valve with an Allen key.
- › It shall be possible to activate a final snap (free run) on the gate closer to ensure the latching of the gate.
- › It shall be possible to eliminate the final snap (free run) on the gate closer completely in order to have a silent closing (i.e. in combination with magnetic locks).
- › The closing force shall be adjustable.
- › The gate closer shall allow for a 180 degrees opening angle of the gate.
- › When opened 180 degrees, the gate closer should self-close over the 180 degrees.
- › The corresponding bottom hinge for the gate closer shall be included.
- › The gate closer should have a hydraulic dampening mechanism.
- › The gate closer shall have an integrated anti-theft protection system.
- › The gate closer should be designed and manufactured in Europe or in the United States.
- › The gate closer shall be ADA compliant.
- › The gate closer should have double rubber sealings to avoid oil leakage at all times.
- › The gate closer should use rotary seals (vs. linear) seals to ensure the longevity of the closer.
- › The gate closer shall be able to close gates up to 150 kilo / 330 lbs and gate width up to 1,5m / 5".
- › The resistance to open the gate closer shall be 15Nm maximum.
- › The gate closer shall be available in either a black or silver color.

PERFORMANCE

- › The gate closer shall be specifically made for outdoor use (IP69).
- › The hydraulic dampening shall be guaranteed to work properly under all temperature circumstances without any summer or winter adjustments, measured at a 90° opening. The viscosity of the oil shall have no impact on the performance of the gate closer.
 - The closing time shall not be below 10 seconds at 70 degrees Celsius (summer).
 - The closing time shall not be longer than 30 seconds at -30 degrees Celsius (winter).
- › The closer shall have been tested for 500,000 movements.
- › The closer shall be maintenance free (no greasing nor oil refill).
- › The manufacturer warranty shall be 3 years.

INSTALLATION

- › It shall be possible to mount the closer on minimum gate profiles of 40mm (1 37/64") and with a material thickness of min. 2mm (5/64"), in openings of 15mm (5/8") pre-drilled according to a drilling template.
- › The closer shall have pre-mounted fasteners (no welding) with stainless steel bolts. All brackets for fixation should come with the product.
- › The same closer shall be able to be used for both left and right turning gates.
- › The closer shall not require a gate stop to be used for limiting the opening angle.
- › A 3D-installation explanatory video shall be available for assisting the installer.
- › Drilling templates shall be included for assisting the installer.
- › An optional drilling jig should be recommended for a correct installation.

MATERIAL

- ▶ The mechanism shall be made out stainless steel and aluminum components.
- ▶ The housing of the mechanism shall be made from extruded, powder coated aluminum (no wet painting or anodization). The powder coating shall be according to the Qualicoat standards.
- ▶ The gate closer shall have a corrosion resistance of 500h salt spray according to ISO9227.
- ▶ The gate closer shall be fully weather- and dustproof.
- ▶ The gate closer shall have a UV-resistance against discoloration of 500h.