

## StG 90

### DATA SHEET

#### Description

Medium-sized and large diesel engines as well as gas engines or turbines are the preferential application for this particularly powerful type of actuator. A DC disc motor which already generates strong torque in both directions of rotation is its core. The torque additionally is multiplied by a reduction gearbox. Due to the low moment of inertia of the motors disc, nevertheless quick response times can be gained. In case of voltage loss a return spring ensures setting back to zero position. Optionally the actuator is available without return spring. A contactless feedback system is integrated onto the actuators output shaft, offering an electrical signal of the precise position to any external control unit. The use of special materials and long-time lubricants assures maintenance-free operation and long working life of the actuator. All considered these actuator provides high regulation power even with only low current consumption.



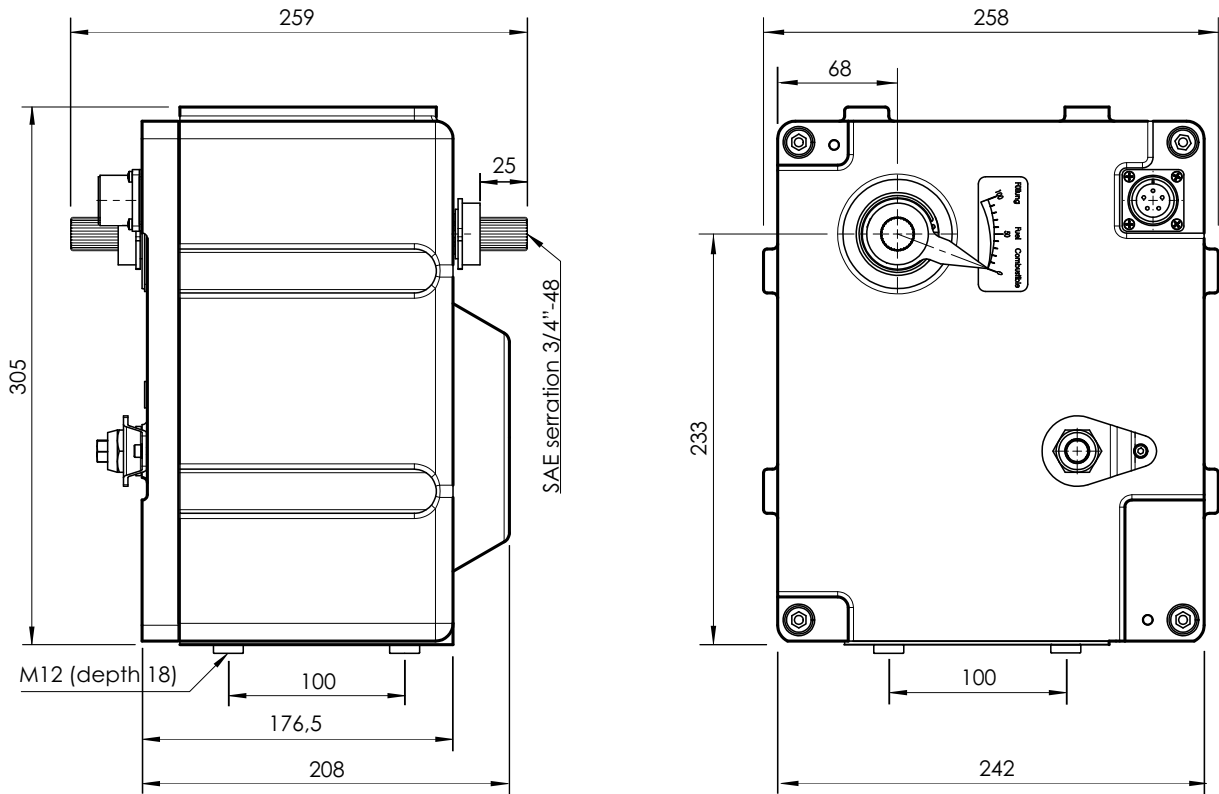
#### Features

- Strong regulation torque working in both directions
- Quick response time
- Return spring
- Low current consumption on change of load
- Extremely low retaining current
- Contactless feedback

#### Application range

- Medium-sized and large diesel engines
- Gas engines
- Gas and steam turbines

## Dimensions



## Technical data

	StG 90
Rotation angle	max. 42°
Torque	max. 90 Nm
Steady state torque	approx. 30 Nm
Return spring 0 ... 100 %	3.5 ... 5.0 Nm
No load response time	approx. 320 ms
Current consumption	max. 7 A
Steady state current	approx. 2.3 A
Position feedback 0 ... 100 %	approx. 1.6 ... 2.8 VDC
Ambient temperature	-25 ... 90° C
Storage temperature	-55 ... 110° C
Permissible ambient humidity	< 95 %
Degree of protection	IP65
Weight	approx. 32 kg

## Certificates

on request