

StG 64/90

DATA SHEET

Description

Medium-sized and large diesel engines as well as gas engines or turbines are the preferential application for this type of powerful actuators. A DC disk motor which already generates strong torque in both directions of rotation is their core. The torque additionally is multiplied by a reduction gearbox. Due to the low moment of inertia of the



motors disk 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 governors output shaft offering an electrical position signal to any external control unit.

The use of special materials and long-time lubricants assures maintenance-free operation and long working life of the actuators.

All considered these actuators provide high regulation power even with only low current consumption.

Application range

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

Features

Strong regulation torque working in both directions

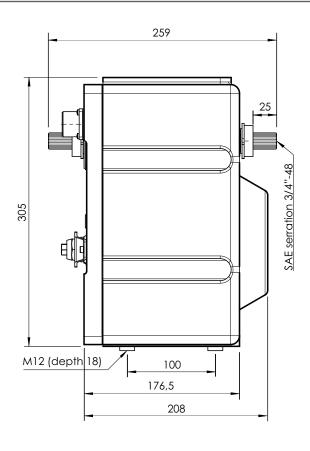
Quick response time

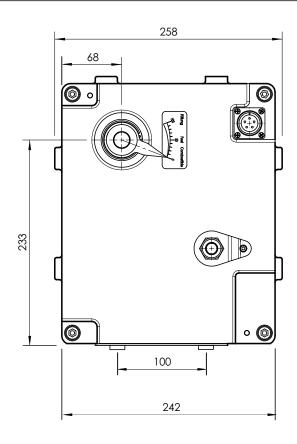
Return spring

Low current consumption on change of load

Extremely low retaining current

Contactless feedback





Technical data

	StG 64	StG 90	
Rotation angle		max. 42°	
Torque	max. 64 Nm	max. 90 Nm	
Steady state torque	approx. 21 Nm	approx. 30 Nm	
Return spring 0 100 %		3.5 5.0 Nm	
No load response time	approx. 270 ms	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