



General FEATURES

- Specifically engineered for offshore use
- Robust construction designed to meet the toughest expectations and protect against harsh weather
- Zero maintenance required
- Self-locking movement mechanism
- Blind tapped threaded connections
- No cover plate
- Dome-shaped water runoff position indicator
- Graduated Open & Close rotation scale
- Input shaft features axial needle roller thrust bearings
- Alu-bronze quadrant rotation bushings with O-ring seals
- O-ring sealed position indicator
- O-ring sealed lower modular mounting flange
- Compliant with IOGP S-562 / API6D 25th edition
- Stainless steel SS316 grease injection nipples located on gear housing and position indicator quadrant shaft void
- Stainless steel SS316 housing with overpressure relief valve
- Limit switch box with standard Namur drive slot located in the position indicator
- Standard predrilled for limit switch mounting, assembly kit available upon request
- Pad-lockable hand wheel
- Fluorosilicone O-rings

316 Stainless Steel is the optimal solution for highly corrosive environments. **PRO CONTROL SGB Quarter-Turn 316SS Gear operators** are specifically designed for long periods of inactivity in harsh and hostile conditions, capable of withstanding extreme applications such as freezing and arctic environments, hot and humid marine settings, highly corrosive chemical environments, hydrogen applications, and more. PRO CONTROL SGB gear operators are suitable for all quarter-turn valves, including ball, butterfly, and plug valves. 316 stainless steel handwheels are offered in various sizes, ensuring smooth and effortless operation.

Technical DATA

MODEL	SGB – QUARTER-TURN GEARBOX
MATERIAL	AISI 316 Stainless Steel AISI 316 Body AISI 316 Shaft AISI 316 End stop screws AISI 316 O-ring sealed caps AISI 316 Fasteners AISI 316 Housing grease injectors AISI 316 Quadrant void grease injectors AISI 316 Overpressure relief valve
APPLICATION	MANUAL ON-OFF
TORQUE	7 models from 1000 Nm up to 16.000 Nm
STROKE	0-90° (+/- 5° adjustable)
IP	IP66/67/68 TUV tested & certified
TEMPERATURE	°C-40°/+100° (F°-20°/+212°) standard °C-60° (F°-76°) on request

Main APPLICATIONS

Corrosion is one of the most common factors contributing to equipment failure and poses a threat to the operation, profitability, and safety of a plant. Stainless steel is recognized as the premium material for offshore and marine applications, where it is utilized for its excellent corrosion resistance and strength. Grade 316 stainless steel contains 16-18% Chromium and 11-14% Nickel, which provides better corrosion resistance than conventional 304-grade stainless steel. Additionally, it includes molybdenum which enhances its resistance to pitting and crevice corrosion compared to other austenitic stainless steel grades. Below are some key benefits of using 316 stainless steel:

- **Corrosion Resistance: The Inclusion Of Molybdenum In 316 Stainless Steel Enhances Its Resistance To Acids, Alkalis, And Chloride Pitting.**
- **Rust And Abrasion Resistance: Compared To Other Stainless Steel Grades, 316 Exhibits Superior Resistance To Rust And Abrasion.**
- **Heat And Cold Resistance: 316 Stainless Steel Performs Well In Temperatures Up To 800°C.**
- **Durability: It Retains Its Corrosion Resistance With Minimal Maintenance.**
- **Sustainability: 316 Stainless Steel Is 100% Recyclable!**



SCAN TO VISIT OUR WEBSITE