

rotork®



**Keeping the World Flowing
for Future Generations**

IQ19 optimised for penstock, sluice gates and gate valve applications

The IQ19 complements our existing IQ3 Pro range and is optimised for larger stem acceptance. More commonly used in the water industry, the IQ19 is designed primarily for use with penstocks, sluice gates or gate valves with oversized stems.

- Torque output 135 Nm (100 lbf.ft)
- Rising stem acceptance up to 51 mm / 2" diameter
- 18-72 rpm @ 50 Hz, 21-86 rpm @ 60 Hz

Benefits of the IQ3 Pro

Unrivalled Industry Leading Reliability

- Continuous position tracking at all times, even without power
- On power loss, graphical interface, remote indication and datalogger are maintained and accessible
- Extended life and mounting in any orientation with oil bath lubrication
- Water ingress protection, not reliant on terminal cover or cable gland sealing – double-sealed to IP66/68 7 m for 72 hours
- Built-in protection by using independent torque and position sensing
- Safe emergency, motor-independent, handwheel operation available at all times
- Certified for safety applications (SIL2/3)
- Drive bush bearings sealed for life – no maintenance required
- Backed by Rotork global support

Simple, Secure Commissioning and Configuration

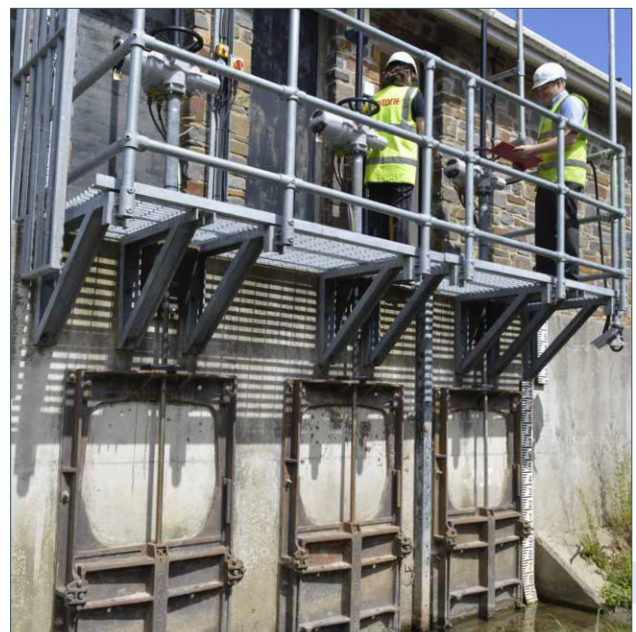
- Rapid and secure commissioning and configuration even without power via advanced, multilingual HMI display
- Non-intrusive setting in any environmental conditions - no cover removal required, using the Rotork App, Rotork Bluetooth® Setting Tool *Pro* (BTST) handset or via manual setup using the actuator control knobs
- Easy installation and valve maintenance using detachable thrust bases
- Remote operation, configuration and commissioning up to 100 m from actuator with Remote Hand Station



IQ3 Pro Range - IQ19

Asset Management and Preventative Maintenance

- Real time valve and actuator performance, trend analysis and diagnostic information viewable on screen and available for asset management via Insight PC software or Rotork's intelligent Asset Management (iAM) system
- Safe and secure data download via non-intrusive and intrinsically safe setting tool
- Field upgradeable and configurable control and indication options using setting tool
- Compatible with Rotork *Pakscan* digital control and monitoring system plus all leading field bus networks

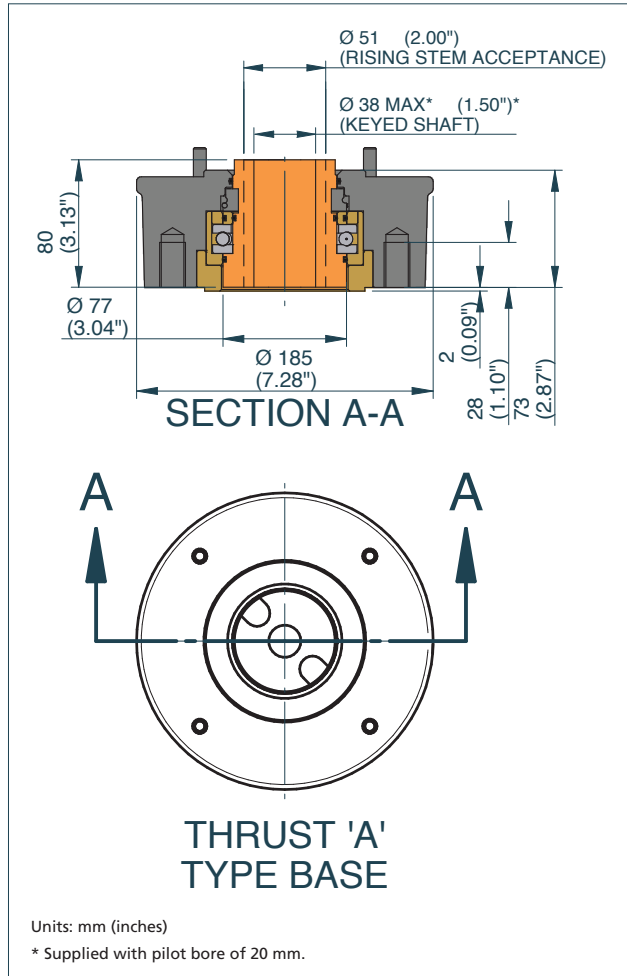


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IQ19 Stem Acceptance

Removable aluminum bronze drive couplings supplied for machining. Maximum stem acceptance diameter:

ISO 5210 Coupling: A Rising	mm	51
	inches	2



IQ19 Performance

RPM	50 Hz	18	24	36	48	72
	60 Hz	21	29	43	57	86
Torque	Nm	135	135	135	135	135
	lbf.ft	100	100	100	100	100

For additional torque values please see the full IQ3 Pro range brochure [PUB002-197](#).

Watertight and Hazardous Area Enclosure Certification

Through the use of non-intrusive commissioning and adjustment using the Rotork *Bluetooth*® Setting Tool Pro, covers never need removing and therefore the hermetic, factory-sealed enclosure protects internal components for life. The terminal compartment is sealed from other areas by the Rotork double seal, maintaining watertight integrity even during site connection.

The IQ range of actuators are built in accordance with the following standards:

Non-Hazardous Enclosures

IEC 60529	IP66 / IP68, 7 metres / 72 hours
NEMA (US) / CSA (Canadian)	Type 4 & 6

Hazardous Area Enclosures

International Standards	FM, ATEX, CSA, IECEx
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For other certification options, please contact Rotork.

IQ19 Handwheels

Standard ratio	1:1
Option ratio	13.3:1

A full listing of the Rotork sales and service network is available on our website.

www.rotork.com

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rotork®

Electric Actuators and Control Systems
Fluid Power Actuators and Control Systems
Gearboxes and Gear Operators
Precision Control and Indication
Projects, Services and Retrofit