

rotork® Gears

Established Leaders in Valve Actuation

Capabilities & Facilities

Worldwide Manufacturing Facilities
International Service and Support
Innovative Design and Technology
Industry Leading Reliability

Publication RG001E Issue 10/08



Contents

rotork® Gears

Rotork is a global leader in valve actuation technology. We provide a comprehensive range of valve actuators, controls and associated equipment, as well as a variety of valve actuator services including commissioning, preventive maintenance and retrofit solutions. Rotork Gears specialises in the design, production and support of gear operators and valvekits. We are committed to providing the marketplace with the latest technology, consistent high quality, innovative designs, outstanding reliability and superior performance.

Rotork Gears works directly with both valve and actuator manufacturers and distributors worldwide. We design, assemble and supply complete gearbox assemblies, as well as a wide range of switchboxes, valve position monitors, extensions, locking devices and other adaptation accessories for customised valve configuration.

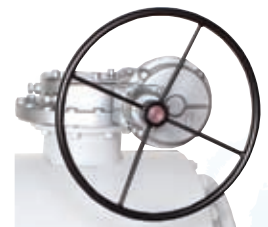
As a sister company of Rotork Controls and Rotork Fluid Systems, we offer all the advantages of big company support and back-up, while remaining firmly focused on the virtues of close customer contact and genuine personal service.

Rotork Gears UK Head office

tel +44 (0)113 2057276
email sales@rotorkgears.co.uk

A full listing of our worldwide sales and service network is available on our website at www.rotork.com

Contents	Page
Introduction	4
Engineering and Working Capabilities	5
Test Facilities	6
Quality Assurance	7
Worldwide Manufacturing and Support Facilities	8
Quarter-turn Products	10
Multi-turn Products	14
Valve Mounting Kits	16
Valve Accessories	17



Introduction

In the 50 years since the company was founded, Rotork has become the standard for excellence in the field of valve and damper automation for the oil, gas, power, water and waste treatment industries around the world.

As established leaders in actuation technology, we owe our success to a commitment to quality at every stage, and at every level, of Rotork's operations.

At the heart of the company is an exceptional workforce – the highly trained, forward thinking engineers, technicians and sales support staff who each play a crucial role in maintaining Rotork's unrivaled reputation for innovation, reliability and first class after-sales support.



“Rotork products can significantly reduce the cost of plant ownership and frequently offer the most cost effective solution”

rotork® Gears

Rotork Gears manufactures gearbox assemblies for use with actuators and as direct valve operators. Facilities around the world manufacture and assemble complete gearbox assemblies as well as a wide range of switch boxes, valve position monitors and adaption accessories.

rotork® Controls

Rotork Controls manufactures electric valve actuators and control systems for the heavy-duty valve market throughout the world.

At Rotork, we firmly believe our reputation is based on reliability backed by a proven track record over many years.

rotork® Fluid Systems

Rotork Fluid Systems specialises in the production of pneumatic and hydraulic actuators and control systems. The company is dedicated to providing the marketplace with the latest technology, consistently high quality, innovative design and superior performance.

rotork® Process Controls

Rotork Process Controls specialises in producing continuous modulating duty actuators. The product range includes electric control valve actuators, heavy-duty damper actuators, linear and rotary actuators.

rotork® Site Services

Providing worldwide planned and emergency actuation services including: actuator overhauling, health checks, retrofit, preventative maintenance, extended scope projects.

Engineering and Working Capabilities

rotork® Gears

From the moment you first contact Rotork Gears you benefit from industry leading expertise gained over several decades working at the forefront of valve technology.

At Rotork Gears we pride ourselves on delivering innovative solutions to suit individual needs, backed up by the product quality and after-sales care you'd expect from one of the most internationally respected names in engineering.

Rotork Gears' products are world class in design and meet or exceed national and international standards. Although we are, naturally, accredited to BS EN ISO9001:2000, your assurance of quality comes from our specialist application engineering, continuous testing of materials and the life testing of completed gearboxes. In fact, our quality definition extends beyond the product to include total customer satisfaction. Your valves deserve the best gearboxes and accessories available.



Complete solutions for all valve gearbox and manual override requirements

- Widest range of gearboxes for all types and size of valve.
- Full customisation for your valve products.

Actuation adaptation, valve mounting kits and valve accessories

- For quarter-turn and multi-turn valves of all types and sizes.
- All actuator technologies catered for - including pneumatic, hydraulic and electric models.
- 'Delivered in days, designed for life'.

Flexible products to suit your needs

- Rapid customisation using a range of standard components.
- Tailor-made solutions which add real value.
- Complete accessory packages available.

Committed to innovation

- Advanced solutions for extreme and hazardous environments such as sub-sea and nuclear.
- Removable output drive sleeves.
- Effective solutions for your application needs.

Cost-effective partnerships with the international valve and actuator industry

- Joining forces and sharing ideas lead to cost-effective products.
- Close links with our manufacturer and distributor customers.
- 'Fast track' estimating, specifying and ordering procedures.

Leading-edge design methods

- Including product configuration software and parametric CAD designs from order entry.
- Reduced lead-times and improved accuracy.

Full support and back-up

- Fast delivery - on time, every time.
- Nominated customer contacts for streamlined account management.
- Full technical support.
- Instant access to accurate product data and technical drawings.
- Effective customer care and after-sales service.

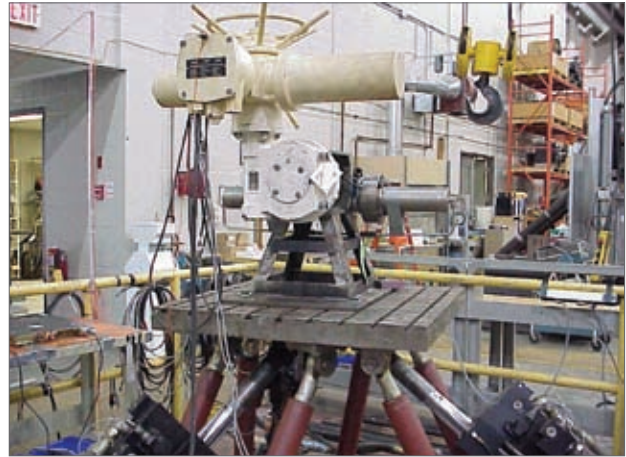
The right people to do business with

- Highly skilled, continuously trained personnel who understand your business needs and processes.
- Frequent participants on CEN and ISO committees shaping industry standards.
- International network of professionals who speak your language.

Test Facilities – Quality and Safety

Rotork Gears have extensive test facilities at our Leeds location. We have a comprehensive set of test rigs for testing multi-turn and quarter-turn gearboxes across a wide range of torques. We can carry out life testing, overload testing and some environmental testing in-house.

For tests outside our in-house capabilities, such as extremely high torques or salt-spray testing, we can call on the resources of the wider Rotork Group. We also use third party facilities for procedures including nuclear, deep-sea hyperbaric and seismic/vibration testing.



Seismic qualification of nuclear actuator and gearbox



Hydrostatic qualification for subsea gearbox



Endurance testing of prototype subsea gearbox

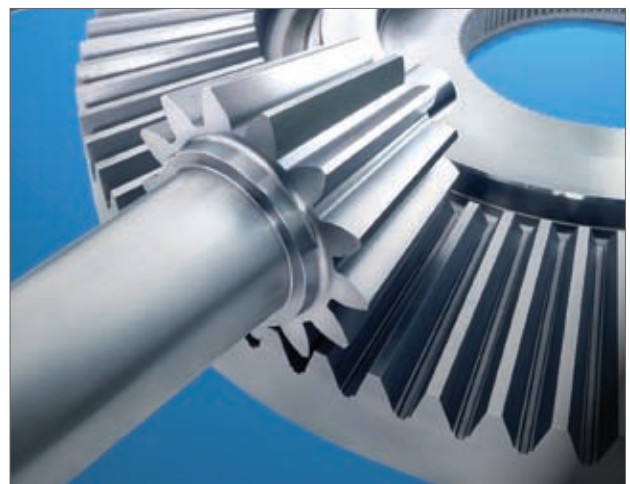
Quality Assurance

Rotork Gears is committed to fully understanding customer needs and expectations, and meeting or exceeding these needs. In support of this Rotork Gears has an established quality management system that meets the requirements of BS EN ISO9001:2000. The quality management system embraces all aspects of the organisation from new product design and life testing, to specialist application engineering, purchasing, the control of suppliers, verification of purchased materials, assembly and inspection processes.

Rotork Gears is committed to:

- Building business success through customer satisfaction.
- The promotion and full understanding of customer needs within the organisation
- Establishing objectives to promote continuous improvement with the ultimate goal of error free performance and to actively encourage employee contribution towards this goal.
- Creating a quality culture by making continuous improvement and quality a fundamental part of every employee's performance and responsibility.

Quality objectives with measurable outputs are established on an annual basis and reviews held through the year to verify progress against the objectives. The quality manual and policy documents are also reviewed on an annual basis for adequacy and effectiveness. These documents are available to interested parties on request.



Worldwide Manufacturing and Support Facilities



Rotork Gears has manufacturing facilities in the UK, the Netherlands, Italy, the USA and China and, as part of the market-leading Rotork Group, are able to offer customers the benefits of responsive, local support through Rotork's extensive international network of offices.

We are the only gearbox manufacturer able to offer service and support to our customers throughout the world.

Our worldwide manufacturing and service network enables us to be close to our customers wherever they are. With local sales offices, service engineers and stocking centres located throughout the world, we can simplify your logistical requirements and deliver product with unrivalled support, quickly and efficiently to your site.

Whatever the product, all our customers enjoy the back-up of 225 Rotork offices and representatives located throughout Europe, North and South America, The Far East, Africa, Asia,

Australasia and the Middle East. Our global service network ensures that we are able to respond quickly and efficiently at local and international level - from initial enquiry through to supply, installation, maintenance and upgrades.

The Rotork global sales and service network supports all Rotork Gears products. This network is the biggest global actuation support organization in the world with direct sales offices and agents in all industrialized countries.

Customer service and field support provides quick and effective response to customer requirements.



Gears



Leeds, UK



Huthwaite, UK



Losser, The Netherlands



Shanghai, China



Parabiago, Italy



Houston, USA

Quarter-turn Products

Stainless steel worm gear operators

300
range



Light duty pressed stainless steel quarter-turn gearboxes suited for pharmaceutical, wash down, and corrosive environments.

Torque range up to 1,000Nm (738 lbsft). 3 sizes. Ratios from 37:1 to 45:1

- 304 stainless steel housing and input shaft
- Aluminium bronze worm wheel
- Light weight
- Suitable for corrosive environments
- IP65
- Removable output drive sleeves.

Aluminium worm gear operators

232
range



Light duty cast aluminium quarter-turn gearboxes suited for HVAC, fire protection, and general industrial applications.

Torque range up to 1,500Nm (1,106 lbsft). 7 sizes. Ratios from 37:1 to 45:1

- Light weight
- Rugged construction
- Removable output drive sleeves
- IP65
- High pressure aluminium cast housing
- Plated input shaft.

Worm gear operators

AB
range



Heavy duty cast iron quarter-turn gearboxes suited for ball, plug and butterfly valves serving the water, gas, chemical, power, and demanding industrial applications.

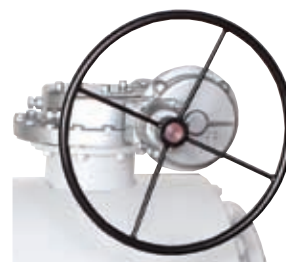
Torque range up to 32,000Nm (23,600 lbsft). 16 sizes. Ratios from 34:1 to 705:1

- Cast iron
- Axial needle bearings
- Rugged construction for all environments
- IP67

Options: Stainless steel input shaft. Ductile iron. IP68. AWWA. Various environments. Padlockable handwheels. Limit switches. High and low temperatures.

Worm gear operators

IW
range



Heavy duty cast and ductile iron quarter-turn worm gearboxes suited for plug, ball and butterfly valves serving the water, gas, chemical, power, and general industrial applications.

Torque range up to 750,000 Nm (553,171 lbsft). 21 sizes. Ratios from 40:1 to 9600:1

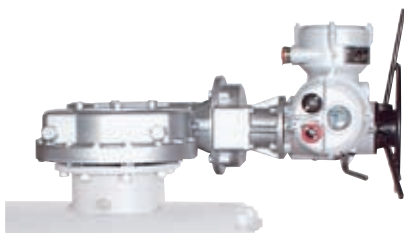
- Comprehensive gear ratios with a combined selection of input reducers
- High efficiency
- Removable output drive sleeves
- IP67
- Angular contact bearings

Options: Ductile iron. IP68. AWWA. Nuclear. All types of environment. High and low temperatures. Padlockable handwheels. Limit switches. Lever arms. Travelling nut for applications requiring more or less than 90 degrees travel.

Quarter-turn Products

For electric actuators

IW range



Complete range of heavy duty cast and ductile iron quarter-turn worm gearboxes suited for plug, ball and butterfly valves serving the water, gas, chemical, power, and general industrial applications.

Torque range up to 750,000 Nm (553,171 lbsft). 21 sizes. Ratios from 40:1 to 9600:1

- Comprehensive gear ratios with a selection of input reducers
- High efficiency
- Angular contact bearings
- Removable output drive sleeves
- IP67

Options: Ductile iron. IP68. AWWA. Nuclear. All types of environment. High and low temperatures. Lever arms. Travelling nut for applications requiring more or less than 90 degrees travel.

Worm gear operators

MOW range



Heavy duty quarter-turn modulating gearboxes suited for control valves.

Torque range up to 47,000Nm (34,500 lbsft). 9 sizes. Ratios from 40:1 to 2940:1

- Up to 1,200 starts per hour
- Ground and polished worm shaft
- Aluminium bronze worm wheel
- Comprehensive gear ratios combined with a selection of spur input reducers
- Angular contact bearings
- Removable output drive sleeves

Options: All types of environment.

Worm gear operators

MTW range



The multi-turn worm gearboxes are used for applications such as sluice gates and dampers.

Torque range up to 93,550Nm (69,000 lbsft). 9 sizes. Ratios from 40:1 to 2940:1

- Ground and polished worm shaft
- Aluminium bronze worm wheel
- Comprehensive gear ratios combined with a selection of spur input reducers
- Angular contact bearings supporting worm shaft
- Removable output drive sleeves

Options: Travelling nut for applications requiring mechanical stops. Lever arms. AWWA. All types of environment.

Worm gear operators

IWN range



Heavy duty quarter-turn gearboxes suited for nuclear installations. Built to exceed the IEEE 382 specification and the 10CFR50 quality standard and fully tested for in containment duty.

Torque range up to 48,809Nm (36,000 lbsft). 7 sizes. Ratios from 40:1 to 70:1

- Ductile iron cast body
- Viton 'O' rings
- Special bearings
- Nuclear grease.

Quarter-turn Products

Override worm gear operators

ILGD range



Complete range of manual declutchable sandwich override quarter-turn gearboxes for double acting pneumatic actuators.

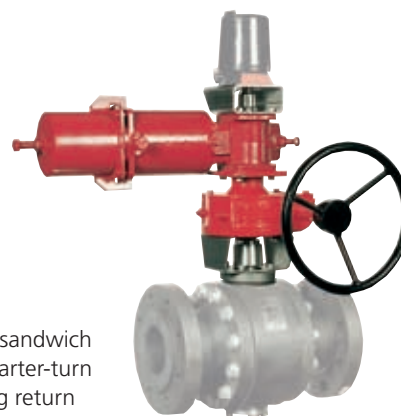
Torque range up to 7,452Nm (5,500 lbsft). 6 sizes. Ratios from 35:1 to 104:1

- Plated input shaft
- Cast iron housing
- Axial needle bearings
- IP65

Options: High and low temperature. ISO drive coupling. Solenoid valve to evacuate air automatically.

Override worm gear operators

ILGS range



Complete range of sandwich manual override quarter-turn gearboxes for spring return pneumatic actuators.

Torque range up to 32,000Nm (23,600 lbsft). 7 sizes. Ratios from 34:1 to 705:1

- Plated input shaft
- Cast iron housing
- Axial needle bearings
- IP65

Options: High and low temperature. ISO drive coupling.

Sub-sea worm gear operators

SSW range



A heavy duty range of quarter-turn worm gearboxes suitable for use on sub-sea ball and butterfly valves.

- High efficiency gearing
- Pressure compensators to suit various depths
- High integrity sealing
- High visibility indication
- Stainless steel input shafts and seal housing
- Designed to suit specific applications and torque ranges

Options: Manual and ROV operation. Remote shafting for operation from a docking station. Super Duplex input shaft.

WGS range sub-sea worm gear operators

WGS range



A heavy duty range of quarter-turn worm gearboxes suitable for use on all sub-sea quarter-turn valves at any depth below sea level.

Torque range up to 500,000Nm (368,800 lbsft). 11 sizes. Ratios from 40:1 to 7440:1. ROV Classes 1 to 7.

- Membrane type pressure compensator
- Custom designed to suit project specifications
- High visibility position indicator
- Worm shaft supported on taper roller bearings
- High strength alloy steel worm screw hardened and ground
- Self-locking

Options: Manual and ROV operation. Piston or open type pressure compensator. Super Duplex input shaft. Tactile position indicators.

Quarter-turn Products

Position indication

Local and remote position indication



A wide range of local valve position and remote indication is available.

Circa range

Limit switch boxes with local and remote position indication. Circa 2-10A, Circa 7010A and Circa 7020A can be fitted with standard SPDT (V3) switches or P&F sensors. Circa 7010A and Circa 7020A are suitable for hazardous areas, Exd IIB+H2 T6 Atex certified, these are also available with a Stainless steel housing.

ECL range

Mechanical remote position indicators for buried service and shaft extension applications. 3 sizes. Ratios: ECL1 up to 35:1, ECL2 up to 120:1, ECL3 up to 394:1

Lever arms

Lever arms



Used on dampers to transfer the 90° operation from the worm gearbox to the damper spindle.

Option for IW range

This is an optional feature on all our IW and MTW ranges of worm gearboxes.

Worm gear operators

ABLX (FM-UL) range



Cast iron quarter-turn gearboxes with integrated limit switches for remote position indication suited for fire protection.

Torque range up to 1620Nm (1,196 lbsft). 4 sizes. Ratios from 34:1 to 40:1. Integrated limit switches.

- Cast iron housing
- Rugged construction
- Removable output drive sleeves
- IP67
- Different types of position indicators
- Suitable for FM/UL/APSAD applications.

Worm gear operators

232LX range



Light duty cast aluminium quarter-turn gearboxes with integrated limit switches for remote position indication suited for fire protection.

Torque range up to 500Nm (366 lbsft). 2 sizes. Ratios 37:1 to 45:1. Integrated limit switches.

- High pressure aluminium casted housing with stainless steel input shaft
- Light weight
- Suitable in corrosive environments
- IP65
- Removable output drive sleeves
- Powder coated
- Different types of position indicators.

Multi-turn Products

Bevel gear operators

IB range



Complete range of heavy duty cast iron multi-turn bevel gearboxes suited for the most demanding manual and motorised applications for cast and fabricated sluice gates, gate valves and globe and pinch valves.

Torque range up to 10,846Nm (8,000 lbsft). Thrust range up to 1,557kN (350,000 lbs). 13 sizes. Ratios from 1:1 to 120:1

- Ductile iron baseplates
- Comprehensive gear ratios combined with a selection of spur input reducers
- Pinions mounted on ball bearings
- IP67

Common options for IB, IS: Spring loaded temperature compensators. Various position indicators. AWWA. High and low temperature. Nuclear. All types of environment. IP68. Cast steel.

For electric actuators

IB range



Complete range of heavy duty cast iron multi-turn bevel gearboxes suited for the most demanding manual and motorised applications for cast and fabricated sluice gates, gate valves and globe and pinch valves.

Torque range up to 8,135Nm (6,000 lbsft). Thrust range up to 1,320kN (296,750 lbs). 13 sizes. Ratios from 1:1 to 120:1

Spur gear operators

IS range



Complete range of heavy duty cast iron multi-turn spur gearboxes suited for the most demanding manual and motorised applications where the gearbox input shaft needs to be parallel with the valve stem for globe and gate valves and sluice gates.

Torque range up to 46,100Nm (34,000 lbsft). Thrust range up to 3,342kN (750,000 lbs). 19 sizes. Ratios from 1:1 to 360:1

For electric actuators

IS range



Complete range of heavy duty cast iron multi-turn spur gearboxes suited for the most demanding manual and motorised applications for globe and gate valves and sluice gates.

Torque range up to 43,386Nm (32,000 lbsft). Thrust range up to 2,224kN (500,000 lbs). 19 sizes. Ratios from 1:1 to 360:1

Multi-turn Products

Bevel gear operators

HOB range

Cost effectively designed commodity hand operated bevel gears suited for sluice gates, gate, and globe valves.



Torque range up to 1,355Nm (1,000 lbsft). Thrust range up to 356kN (80,000 lbs). 4 sizes. Ratios from 2:1 to 6:1

- Cast iron body
- Maintenance free
- IP67

Options: All types of environment. Position indicators. IP68.

Bevel gear operators

NTB range

Cost effectively designed bevel gearboxes suited for valves which do not transfer thrust to the operator.



Torque range up to 700Nm (516 lbsft). 2 sizes. Ratios 2:1 and 4:1

- Cast iron body
- Maintenance free
- IP67

Options: All types of environment. Various Position indicators. IP68.

Bevel gear operators

RAB range

The Radial Acceptance Bevel is suitable for AWWA and where side load movement is likely to happen on penstocks or gate valves.



Torque range up to 678Nm (500 lbsft). Thrust range up to 178kN (40,000 lbs). 2 sizes. Ratios from 2:1 to 6:1

- Comprehensive gear ratios combined with a selection of input reducers
- Removable drive sleeves designed to accommodate for heat build-up
- Tapered roller bearing to withstand side loading
- IP68

Options: Various types of position indicators. All types of environment.

Combination gear operators

Twin Input Shafts



Hand operated combination bevel and spur gearboxes for high and low speeds of operation.

The twin input shaft option can be supplied with the IS range, and with the AS (Auxiliary) range, combined with a bevel gearbox as shown.

For torque and thrust values refer to the catalogue data sheets.

Dual shaft bevel gear operators

DSB range



Complete range of multi-turn bevel gearboxes with two shafts for use with dual stem sluice gates and penstocks.

Torque range up to 10,846Nm (8,000 lbsft). Thrust range up to 1,557kN (350,000 lbs). 11 sizes. Ratios from 2:1 to 120:1

- Ductile iron baseplates
- Comprehensive gear ratios combined with a selection of spur input reducers
- Pinions mounted on ball bearings
- IP67

Options: All types of environment. Various position indications. IP68.

Valve Mounting Kits

Ball, butterfly and plug valve kits designed to order, precision CNC machined in stainless steel

Mounting kits

Ball, butterfly and plug valve kits



A complete range of stainless steel or carbon steel mounting kits, engineered from certified material, individually bagged and labelled ready for assembly.

- Complete kits for valves from 1/4" - 48"
- F03 - F35 Mounting flange - ISO 5211/DIN 3337
- Open or closed construction
- Manufactured in stainless steel
- Designed, manufactured, and delivered in days
- CNC precision machined
- 3 year guarantee, free from manufacturing defects

Options: Alternative materials, custom design, material certification, logo or brand names.



Remote mounting and extension spindles

Valve and actuator remote mounting and extension spindles

Remote Actuator mounting can be achieved using valve extension spindles or pedestal adaptors.

Design and manufacture is done in house for specific applications. Lengths can be from 500mm to 5 metres, in stainless steel or carbon steel.

- Standard 1m extension range
- Customer specified extension (special)
- Plain or dynamic bearings
- Welded construction for weight saving
- Position indication option
- Suitable for manual or actuated drives

Options: Oil filled, environmental sealing, galvanised.



Spool and pedestal adaptors

Quarter-turn valve adaption for rack and pinion or pneumatic actuators can be provided in the form of spool or pedestal type mounting kits.

These are fully enclosed adaptors with options of DD, square or keyed drives.



Construction materials will be carbon steel, supplied complete with fasteners, painted or natural.

- Valves from 1/4" to 48"
- F03 - F35 Flanges - ISO 5211/ DIN 3337
- Welded to ASME 9 standards
- Square, key or double D drive
- 100 - 500mm in length

Options: O ring seals, stress calculations, material certification.



Valve Accessories

Switch box and position indication

The Circa range of switch boxes for use on quarter-turn valves and actuators.



They are manufactured from durable polycarbonate, and can be used on actuators, valves, or in conjunction with a hand wheel or lever.

- IP67, IP65, Safe area operation
- Hazardous approval, Exd IIB + H2 - ATEX
- Beacon/Local indicator available
- 4-20 mA
- V3 micro switches or Inductive sensors
- Open/Closed feedback sensors for Multi-turn valves are also available.

Dead man's handle Spring return handle



Guarantee failsafe operation for Ball valves, the Spring Return Handle (SRH) will mount on any ball valve, either "direct on" or with a mounting kit designed to suit application.

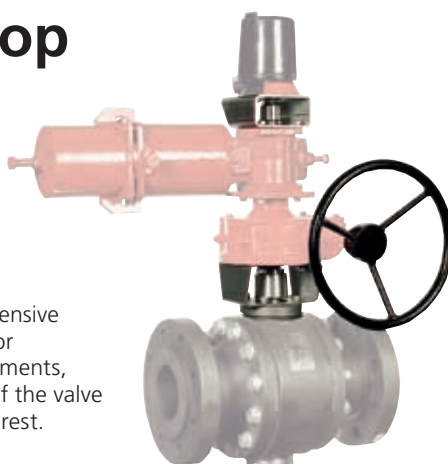
- Ball valves with torque of 22 or 39 Nm
- F03, F05, F07 pcds
- Direct mount or with mounting kit
- Sealed for life, zero maintenance
- Stainless steel handle, shaft and fasteners, precision die cast body
- Durable powder coated finish.

Packaging, assembly and testing

One stop shop

Rotork Valvekits can offer a comprehensive service for the supply of valve actuator assemblies, packaged to your requirements, and stroke tested. Free issue supply of the valve and or actuator, Valvekits will do the rest.

- Site surveys
- Design, manufacture and assembly
- Stroke test packages
- Supply of solenoids, mounting kits, gearboxes, switch boxes, hand wheels all from the 'in house' design and manufacturing cell
- Complex linkages or limit sensing designs
- Guards, pipe work, pneumatic controls.



rotork® Gears

Operation of valves can throw up a range of problems, Valvekits have solutions for all applications, supported by an in house design team with over 50 years experience in the business.

The range applies equally to quarter-turn or multi-turn applications.



Hand wheels



- 125mm - 2000mm diameter
- Stainless steel or powder coated
- Keyed, pinned or square drive
- Fabricated or pressed design
- Oval or round designs for small valves
- Open and closed indication marking

Options: Locking flange, handle, specials, galvanised, rotating handle, flat or dished.

Locking levers - secure and tamper proof designs

- Locking Plates, for quarter-turn ball and butterfly valves
- Multi-turn locking flanges for valves and gearboxes
- Interlocked valves.



Valve Accessories

Chain wheels



- Cast iron chain wheels from 6" - 30" (150mm - 760mm) diameter
- Chain guides and bearing are standard
- Galvanised chain, any length
- Epoxy coating for durability available

Options: adaption design to suit application. Stainless steel chain.

Lagging extensions



- Butterfly, plug and ball valves from 1/4" - 10"
- 65 - 1000mm high
- Stainless steel, with stop and fasteners
- Designed to suit any valve mounting pad
- Optional locking facility
- Tee bar or lever operator

Options: Environmentally sealed, oil filled, bearings, low cost carbon steel.

Indexed levers (notch plates)



- For butterfly valves
- Stainless steel plates
- Indexed by degrees or open/closed
- Padlock option
- Supplied with all fasteners
- Engraved position indication
- Castell lock option.

Solenoid valves



Rotork Valvekits have available a large range of quality solenoid valves to cover all the range of safe and hazardous areas. These include Exia and Exd in various materials with Namur and remote mount options.



Gears

Gearboxes and Gear Operators

Controls

Electric Actuators and Control Systems

Fluid Systems

Fluid Power Actuators and Control Systems

Site Services

Projects, Services and Retrofit

Rotork Gears BV

Nijverheidstraat 25
7581 PV Losser
P.O. Box 98
7580 AB Losser
The Netherlands

tel: +31 (0)53 - 5388677
fax: +31 (0)53 - 5383939
email: info@rotorkgears.nl

Rotork Gears Shanghai

No. 260 Lian Cao Road
Xin Mei Urban Industrial Park
Min Hang District
Shang Hai 201108
China

tel: 0086-21-64348388
fax: 0086-21-64348366
email: info@rotorkgears.com.cn

Rotork Gears Americas

9777 West Gulf Bank
Suite 15A
Houston
Texas 77040
USA

tel: +1 713 9837381
fax: +1 713 8568022
email: gears@rotorkgears.com

Rotork Gears S.R.L.

via Olona, 65/67
20015 Parabiago (MI)
Italy

tel: +39 0331 552128
fax: +39 0331 553147
email: info@rotorkgears.it

Rotork Valvekits

Brookside Way
Nunn Park
Huthwaite
Nottinghamshire NG17 2NL
England

tel: +44 (0)1623 440211
fax: +44 (0)1623 440214
email: sales@rotorkvalvekits.co.uk

Rotork Valvekits BV

Nijverheidstraat 25
7581 PV Losser
P.O. Box 98
7580 AB Losser
The Netherlands

tel: +31 (0)53 - 5388677
fax: +31 (0)53 - 5383939
email: info@rotorkvalvekits.nl

Latest product information and a full listing of our worldwide sales and service network is available on our website.

www.rotork.com

Rotork Gears UK head office

Regina House, Ring Road
Bramley, Leeds
LS13 4ET, England

tel: +44 (0)113 2057276
fax: +44 (0)113 2563556
email: sales@rotorkgears.co.uk