

Subsea SSW

Gearbox Series

rotork[®]
Gears



Subsea SSW Gearboxes — Worm Gear Series

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Subsea SSW Gearbox Series

Subsea SSW Worm Gear Operators

Description

A heavy duty range of quarter turn Subsea worm gearboxes, suitable for use on Subsea ball valves and other quarter turn Subsea valves. These gearboxes can be used for manual operation or for use with ROV operators.

Quality Design

The Rotork Gears range of Subsea worm gear operators are manufactured from high quality materials. They are tested in house to ensure that the maximum performance, quality and reliability are maintained. Hyperbaric testing is performed at an external facility.



Features

- Carefully chosen ratios
- Ductile iron gearcase and baseplate
- Grease/oil filled
- Sealed to IP68
- High visibility indication
- Stainless steel input shaft
- Stainless steel external screws
- Base mounting on or off centres

Options

- Super duplex input shaft
- ROV input direct or via stainless steel shafting
- Stainless steel handwheels
- Extension shafting in stainless steel
- Stainless steel universal joints
- Pressure compensators
- Relief valves
- Horizontal or vertical input shafts
- Full range of paint finishes available
- Through input shafts
- Customised valve adaption
- Flexible Extensions

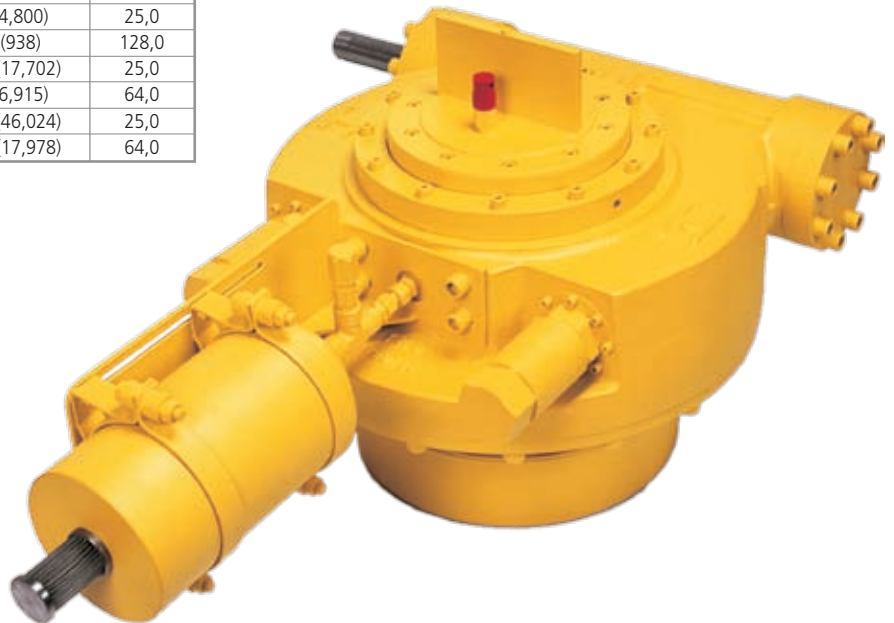
Established Leaders in Actuation Technology

SSW Series Material Specification

Components	Material	ISO Standard
Input shaft	Stainless Steel	BS 970 316S31
Gearcase	SG Iron	BS EN 1563 EN-GJS-450-10
Baseplate	SG Iron	BS EN 1563 EN-GJS-450-10
Grease/Oil	RENOLIT LST 00	-

SSW Gearbox Sizing Chart

Type	Ratio	Torque Nm (lbf. inch)		M.A. ± 10%
		Output	Input	
SSW5	40 : 1	4,067 (36,000)	239 (2,118)	17,0
SSW5/B4	80 : 1	4,867 (43,077)	168 (1,485)	29,0
SSW5/B4	120 : 1	4,867 (43,077)	113 (1,002)	43,0
SSW5/B4	360 : 1	4,867 (43,077)	56 (495)	87,0
SSW7	60 : 1	13,558 (120,000)	542 (4,800)	25,0
SSW7/B4	360 : 1	13,558 (120,000)	106 (938)	128,0
SSW9	60 : 1	50,000 (442,543)	2,000 (17,702)	25,0
SSW9/B10	180 : 1	50,000 (442,543)	781 (6,915)	64,0
SSW11	60 : 1	130,000 (1,150,612)	5,200 (46,024)	25,0
SSW11/B10	180 : 1	130,000 (1,150,612)	2,031 (17,978)	64,0

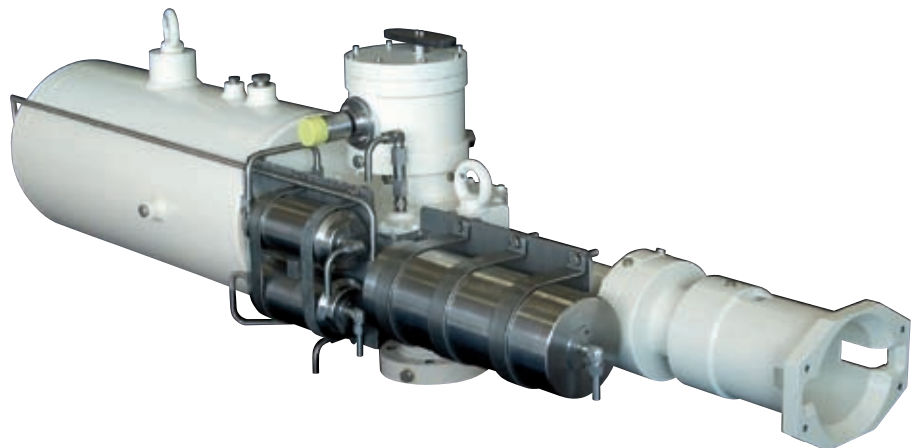


Rotork Fluid System

Subsea series actuators

Complimenting our Subsea gearboxes with diver or ROV operable overrides is a range of Subsea actuators. These are designed and engineered by the Rotork Fluid System division which has manufacturing facilities and centres of excellence around the world. The engineering groups of Rotork Fluid System and Rotork Gears share databases, engineering knowledge and test facilities to provide a comprehensive Subsea solution.

For further information see publication F800E or visit the Rotork website www.rotork.com





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