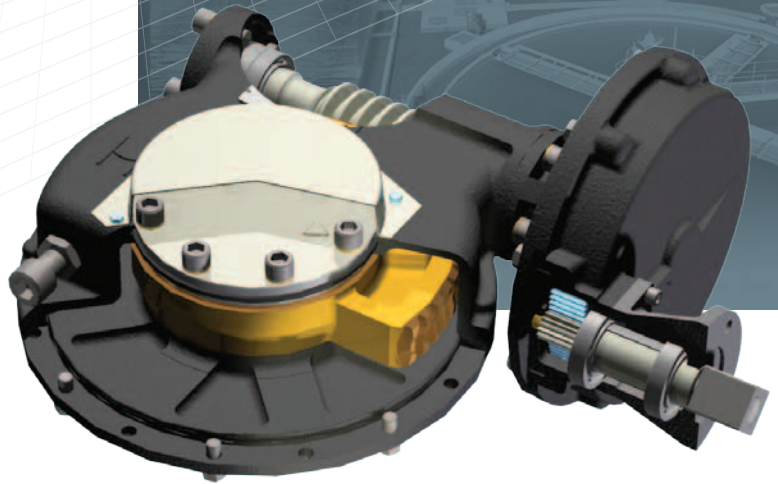


rotork®

Gears

IW Series AWWA

C504 and C5PV-3 Quarter-turn
Worm Gear Operator



IW Quarter-turn Worm Gear Operator

The IW AWWA C504 & C5PV-3 worm gear operators are suitable for manual actuation of AWWA C504 butterfly valves and C5PV-3 plug valves. They are designed to meet or exceed all aspects of AWWA C504 & C5PV-3 specification and are manufactured from high quality and reliable materials. Overload and life tests reports are available upon request. All Rotork Gears actuators are made to ISO 9001 standards.

Features

- 100% grease filled for life and fully sealed
- Comprehensive gear ratios combined with a selection of input gear reducers
- Angular contact bearings supporting the worm shaft
- Removable and repositionable drive sleeve
- -40 to 250 °F standard temperature range
- Adjustable travel stops +/- 5 degrees
- Maximum rated output torque - 1.47 million in-lbs
- Maximum stem acceptance diameter - 12" bored with ANSI B17.1 square key
- Maximum base - FA40
- Above or Buried Service

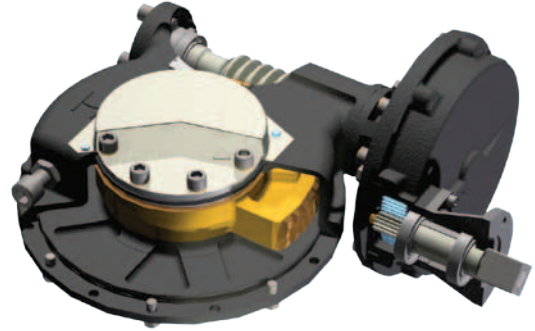
Options

- Stem extensions
- Padlock kit
- NAMUR & Westlock Position indicator mounting kit
- High temperature: 0 to 300 °F
- Low temperature down to -60 °F
- Open Right Service
- 450 ft-lbs Service

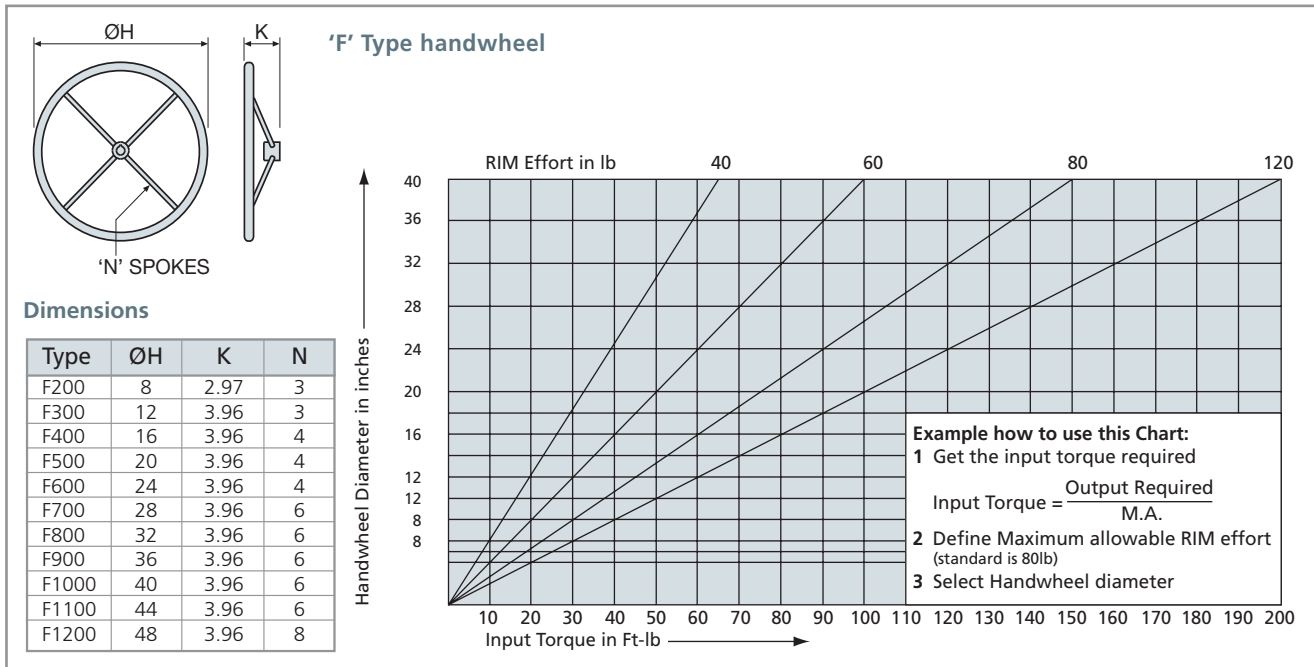
Established Leaders in Actuation Technology

Material Specification

Component	Material	Specification / Notes
Gearcase	Ductile Iron	ASTM A536 65-45-12
Base plate	Cast Iron	ASTM A48 35B/40B
Worm Shaft	Steel	AISI 4340
Quadrant	Manganese Bronze	ASTM B584 C86300
Position Indicator	Steel	AISI 1023
Drive sleeve	Steel	AISI 1023 or 1040 or 1055
Bearings	Angular Contact	
O-Ring seals	Nitrile	
Fasteners	316 SS	
Grease	Renolit CL-X2	
Input Shaft	431 SS	



Handwheel Selection Chart



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Formerly RGI112E. As part of a process of on-going product development, Rotork reserves the right to amend and change specifications without prior notice. Published data may be subject to change.

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