

rotork®

Keeping the World Flowing
for Future Generations

Roto Hammer Range

Chainwheels, Handwheels, Chains and Accessories



A rotork® Brand
Roto Hammer
INDUSTRIES

Meeting client needs and exceeding expectations for over 50 years

› Safe and dependable valve operation

› Custom design solutions for valves in hard to access locations

› Extensive product range available from stock throughout the world

› Material selection to suit applications and environments

› Direct mount chainwheels provide a truly custom fit

› Handwheels and accessories designed for ease of use and added safety

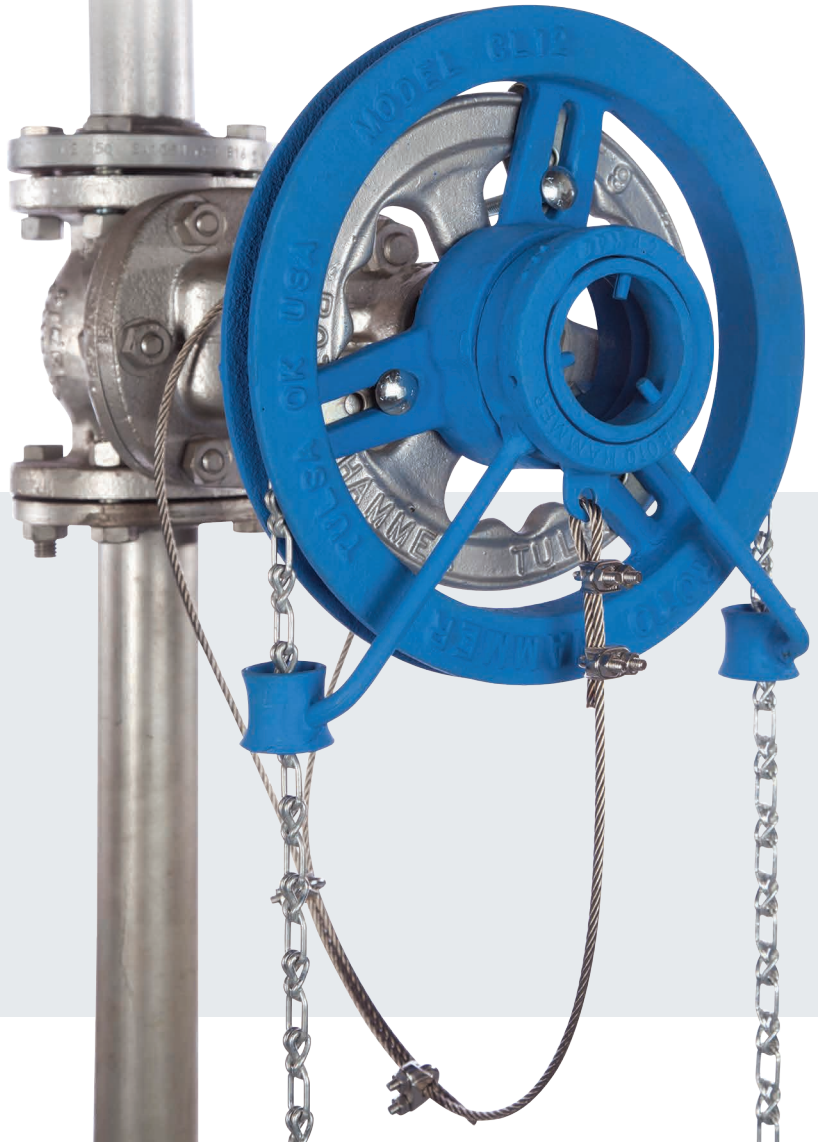
› Backed by Rotork global support

Roto Hammer Industries was founded in 1959 in Tulsa, Oklahoma, after identifying a need for the increased safety needs of valve operators. The “Roto Hammer” was born.

Roto Hammer has manufactured chainwheels and custom solutions for manual valve operation ever since, specialising in accessing valves that are difficult to reach and operate.

The range now stretches from valve extensions to handwheels, and link chains, allowing for safe and dependable valve operation. Rotork acquired Roto Hammer in 2015.

Roto Hammer chainwheels offer the best solution for hard to reach and difficult to operate valves. Our clamp-on sprockets chainwheels fit handwheels sized from 102 to 1,016 mm (4” to 40”). They are designed to cope in harsh and corrosive environments and are available in different materials and finishes. For especially extreme conditions, chainwheels can be galvanised for additional protection.



C Series Clamp-On Chainwheels

'C' Series chainwheels are highly robust and ideal for the heaviest of industrial applications and corrosive environments. Perfect for valves that need to withstand especially heavy use.

- Ductile iron clamp-on chain sprocket fits hand wheel sizes from 152 to 1,016 mm (6 to 40") in diameter
- Clamps onto existing handwheel for safe and effective manual valve operation
- All units come complete with sprocket wheel, chain guide, set collar, zinc plated hardware and installation instructions
- Available in galvanised option



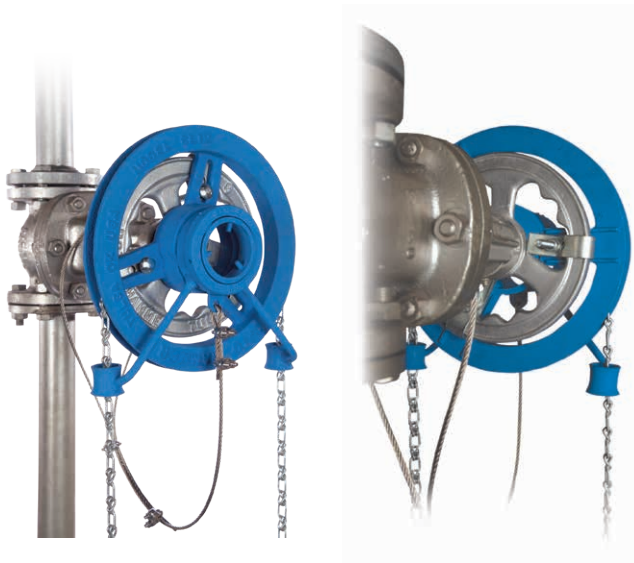
C-Series – Clamp-On Chainwheel

| Model No. | For Use With Valve Handwheel Diameter in (mm) | Domestic/Metric Weight lbs (kg) | Chain & Roto Link Size | Additional Chain Needed for Loop ft. (mm) | Chain Weight Per ft. lbs (kg) | RCK Safety Kit Size |
|-----------|---|---------------------------------|------------------------|---|-------------------------------|----------------------------------|
| C9 | 6-9 ³ / ₄ (152-248) | 16 (7.26) | 1/0 | 2 (610) | 0.17 (0.08) | RCK ³ / ₁₆ |
| C12 | 10-12 ³ / ₄ (254-324) | 22 (9.98) | 1/0 | 3 (914) | 0.17 (0.08) | RCK ³ / ₁₆ |
| C15 | 13-16 (330-406) | 37 (16.78) | 4/0 | 4 (1,219) | 0.31 (0.14) | RCK ¹ / ₄ |
| C18 | 16 ¹ / ₂ -19 (419-483) | 44 (19.96) | 4/0 | 4 (1,219) | 0.31 (0.14) | RCK ¹ / ₄ |
| C30 | 26-32 (660-813) | 98 (44.45) | 5/0 | 8 (2,438) | 0.35 (0.16) | RCK ⁵ / ₁₆ |
| C40 | 32-40 (813-1,016) | 146 (66.22) | 5/0 | 11 (3,353) | 0.35 (0.16) | RCK ⁵ / ₁₆ |

CL Series Clamp-On Chainwheels

The 'CL' Series allows for safe and controlled access to valves that are in awkward or difficult situations. They can be installed in minutes and are an easy and inexpensive way of ensuring both employee safety and effective valve operation.

- Ductile iron clamp-on chain sprocket fits hand wheel sizes from 51 to 660 mm (2 to 26") in diameter
- All units come complete with sprocket wheel, chain guide, set collar, zinc plated hardware and installation instructions
- Available in stainless steel and galvanised options



| CL-Series – Clamp-On Chainwheel | | | | | | |
|---------------------------------|---|-----------------|------------------------|---|-------------------------------|----------------------------------|
| Model No. | For Use With Valve Handwheel Diameter in (mm) | Weight lbs (kg) | Chain & Roto Link Size | Additional Chain Needed for Loop ft. (mm) | Chain Weight Per ft. lbs (kg) | RCK Safety Kit Size |
| CL4 | 2-4 (50-102) | 2 (0.91) | #2 | 1 (305) | 0.10 (0.05) | RCK ³ / ₁₆ |
| CL6 | 4 1/2-5 3/4 (108-146) | 6 (2.72) | #2 | 1 (305) | 0.10 (0.05) | RCK ³ / ₁₆ |
| CL7.5 | 6-7 1/2 (152-190) | 7 (3.17) | 1/0 | 2 (610) | 0.17 (0.08) | RCK ³ / ₁₆ |
| CL9 | 7 3/4-9 (197-229) | 9 (4.08) | 1/0 | 2 (610) | 0.17 (0.08) | RCK ³ / ₁₆ |
| CL12 | 9 1/4-12 1/2 (235-318) | 15 (6.80) | 1/0 | 3 (914) | 0.17 (0.08) | RCK ³ / ₁₆ |
| CL15 | 12 3/4-15 1/2 (324-394) | 21 (9.52) | 4/0 | 4 (1,219) | 0.31 (0.14) | RCK ³ / ₁₆ |
| CL18 | 15 3/4-19 (400-483) | 28 (12.70) | 4/0 | 4 (1,219) | 0.31 (0.14) | RCK ¹ / ₄ |
| CL21 | 19 1/4-22 (489-559) | 38 (17.24) | 5/0 | 5 (1,524) | 0.35 (0.16) | RCK ¹ / ₄ |
| CL24 | 22 1/4-26 (565-660) | 49 (22.22) | 5/0 | 6 (1,829) | 0.35 (0.16) | RCK ¹ / ₄ |

E Series Direct Mount Chainwheels

Custom fit chainwheels that mount directly on to the valve stem and replace the hand wheel. The fitting of the chainwheel to the valve is streamlined and secure and the need for multiple clamps and hardware sets is eliminated. Available in lightweight aluminium and ductile iron.

- All units come complete with sprocket wheel, chain guide, set collar and installation instructions
- The aluminium version replaces handwheel sizes from 102 to 768 mm (4 to 30 1/4")
- The ductile iron version replaces handwheel sizes from 216 to 768 mm (8 1/2 to 30 1/4")
- Available in galvanised option



E-Series – Direct Mount Chainwheel

| Model No. | Hand Wheel Diameter in (mm) | Weight | | Chain & Roto Link Size | Additional Chain Needed for Loop ft. (mm) | Chain Weight Per ft. lbs (kg) | RCK Safety Kit Size |
|-----------|--------------------------------|--------------------------|-------------------|------------------------|--|----------------------------------|---------------------|
| | | Ductile iron lbs (kg) | Alum. lbs (kg) | | | | |
| E6 | 6 3/16 (157) | N/A | 3 (1.36) | #2 | 1 (305) | 0.10 (0.05) | RCK 3/16 |
| E9 | 8 9/16 (218) | 14 (6.35) | 7 (3.18) | 1/0 | 2 (610) | 0.17 (0.08) | RCK 3/16 |
| E12 | 12 3/4 (324) | 26 (11.79) | 12 (5.44) | 1/0 | 3 (914) | 0.17 (0.08) | RCK 3/16 |
| E15 | 15 (381) | 46 (20.87) | 22 (9.98) | 4/0 | 4 (1,219) | 0.31 (0.14) | RCK 1/4 |
| E18 | 18 1/4 (464) | 69 (31.30) | 31 (14.06) | 4/0 | 4 (1,219) | 0.31 (0.14) | RCK 1/4 |
| E24 | 24 1/4 (616) | 107 (48.53) | 50 (22.68) | 5/0 | 6 (1,829) | 0.35 (0.16) | RCK 5/16 |
| E30 | 30 1/4 (768) | 149 (67.59) | 69 (31.30) | 5/0 | 8 (2,438) | 0.35 (0.16) | RCK 5/16 |

M Series Clamp On and Direct Mount

The M Series hammer blow actuator mimics the motion of a hammer striking an anvil, delivering a measured blow to free sticky and/or damaged valves.

- Available in chain model for above ground level operation or handwheel model for ground level operation
- Both styles available in clamp-on or direct-mount installation (direct-mount furnished with adapter plate, replacing existing handwheel)
- Available in galvanised option



M-Series – Hammer Blow Clamp-On

| Model No. | Valve Hand Wheel Diameter in (mm) | Weight lbs (kg) | Chain Size | Additional Chain Needed for Loop ft. (mm) | Chain Weight Per ft. lbs (kg) | RCK Safety Kit Size |
|-----------|---|--------------------|------------|--|----------------------------------|----------------------------------|
| M9 | 7 - 9 ³ / ₄ (178 - 248) | 25 (11.34) | 1/0 | 2 (610) | 0.17 (0.08) | RCK ³ / ₁₆ |
| M12 | 10 - 12 ³ / ₄ (254 - 324) | 51 (23.13) | 1/0 | 3 (914) | 0.17 (0.08) | RCK ³ / ₁₆ |
| M15 | 13 - 16 ³ / ₄ (330 - 425) | 67 (30.39) | 4/0 | 4 (1,219) | 0.31 (0.14) | RCK ¹ / ₄ |
| M18 | 17 - 19 ¹ / ₂ (432 - 495) | 89 (40.37) | 4/0 | 4 (1,219) | 0.31 (0.14) | RCK ¹ / ₄ |
| M24 | 20 - 25 (508 - 635) | 138 (62.60) | 5/0 | 6 (1,829) | 0.35 (0.16) | RCK ⁵ / ₁₆ |

M-Series – Hammer Blow Direct-Mount

| Model No. | Valve Hand Wheel Diameter in (mm) | Weight lbs (kg) | Chain Size | Additional Chain Needed for Loop ft. (mm) | Chain Weight Per ft. lbs (kg) | RCK Safety Kit Size |
|-----------|---|--------------------|------------|--|----------------------------------|----------------------------------|
| M9 | 7 - 9 ³ / ₄ (178 - 248) | 29 (13.15) | 1/0 | 2 (610) | 0.17 (0.08) | RCK ³ / ₁₆ |
| M12 | 10 - 12 ³ / ₄ (254 - 324) | 56 (25.40) | 1/0 | 3 (914) | 0.17 (0.08) | RCK ³ / ₁₆ |
| M15 | 13 - 16 ³ / ₄ (330 - 425) | 78 (35.38) | 4/0 | 4 (1,219) | 0.31 (0.14) | RCK ¹ / ₄ |
| M18 | 17 - 19 ¹ / ₂ (432 - 495) | 123 (55.79) | 4/0 | 4 (1,219) | 0.31 (0.14) | RCK ¹ / ₄ |
| M24 | 20 - 28 (508 - 711) | 168 (76.20) | 5/0 | 6 (1,829) | 0.35 (0.16) | RCK ⁵ / ₁₆ |
| M30 | 30 (762) or larger | 215 (97.52) | 5/0 | 8 (2,438) | 0.35 (0.16) | RCK ⁵ / ₁₆ |

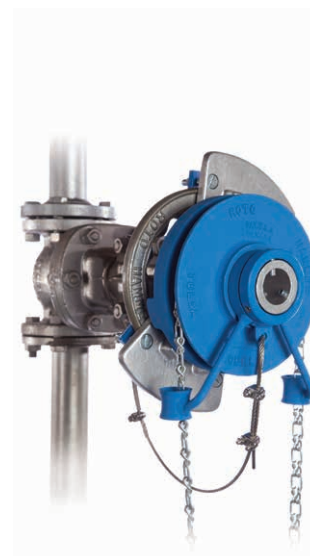
Custom Painting

Chainwheels are primed in traditional Roto Hammer blue, but custom colours are offered if desired.



Roto Wheels

A combination of two critical components for safe valve operation; a chainwheel and fitted retaining cable safety kit. The Roto Wheel is available in all Roto Hammer Chainwheel Models (C, CL, E, and M Series). The safety kit is quick and easy to install.



RCK Safety Cable Kits

Safety Cable Kits are an additional safety level should a chainwheel become unattached from the valve. Three sizes are available to complement Roto Hammer's chainwheel offering. Comes with stainless steel cable and shackle, and clamps.



Roto Link

A one piece stainless steel universal link. Works alongside Lock Link chain when using Roto Hammer Chainwheel actuators. Installation is easy via vise-grips or pliers to close the open ends around the next link of chain.



Lock Link Chain

The only chain compatible with all Roto Hammer chainwheel models; fully trimmed and galvanised. Offered in drums, spools or cut to length.



Chucket and Chuckout

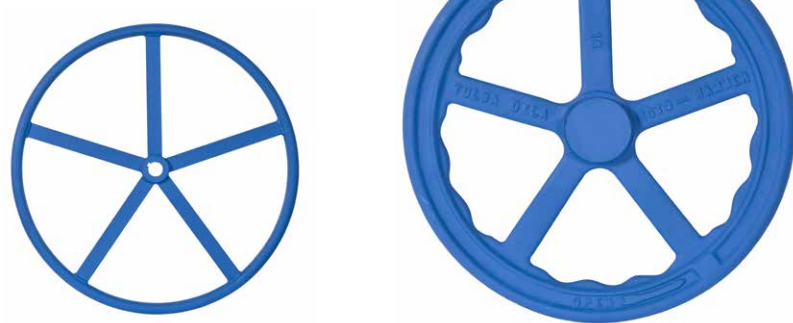
The Chucket chain storage bucket holds overhead chains and frees the pathway beneath, eliminating the potential safety hazard of a suspended chain. Becomes the Chuckout when combined with an added lockout/ tagout feature to prevent unauthorised access or use.

Available in bright colours for increased visibility.



Handwheels

Handwheels available blank or custom fitted in a variety of finishes including carbon steel, ductile iron and stainless steel.



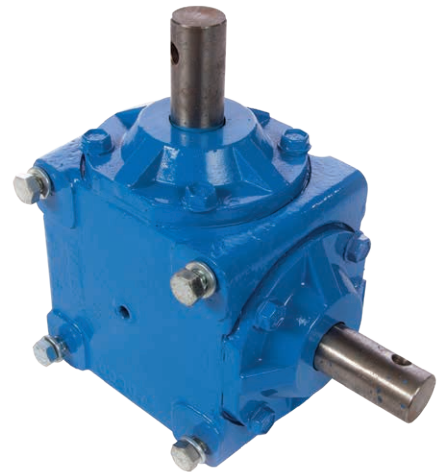
Chain Bar Wrench

For the remote actuation of ball, butterfly, plug and all types of partial turn valves.



Right Angle Gearbox

Designed to enable 90 degree direction change, either from vertical or horizontal positions, for use in conjunction with Roto Hammer valve extensions, handwheels and chainwheels. 1 to 1 ratio.



Valve Stem Extensions

Designed to provide horizontal or vertical access to remote located valves. Vertical extensions are handwheel driven only. Horizontal extensions can be handwheel or chainwheel driven. Extension can be used in conjunction with the Right Angle Gearbox.



rotork®



www.rotork.com

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

Rotork plc
Brassmill Lane, Bath, UK
tel +44 (0)1225 733200
email mail@rotork.com

USA
Rotork, Winston-Salem
tel +1 (336) 659 3400
email US-WS-CS@rotork.com

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