

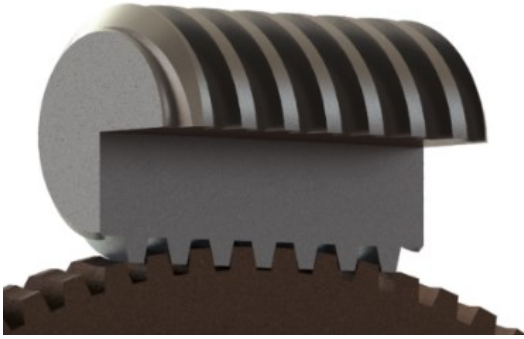
WedgeRock Worm Gears

When Performance and Quality Matter

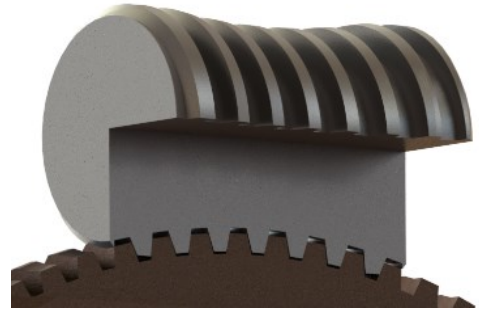


WedgeRock...we haven't found a torque, thrust or environment we can't handle.

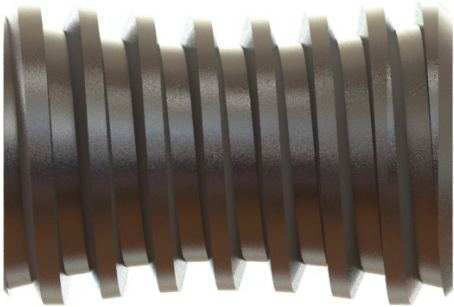
WedgeRock Built For Performance



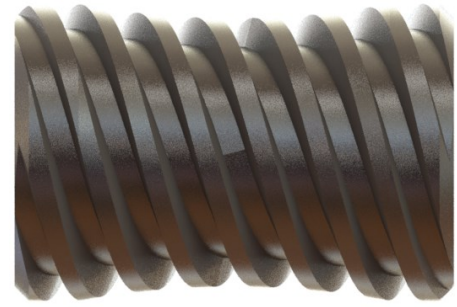
Cylindrical Worm
Minimal teeth in contact



Double Enveloping WedgeRock Worm
2 to 3 times more teeth in contact



Single Start Standard Efficiency Worm Gear
Inherently Self-Locking
Less than 35% efficient



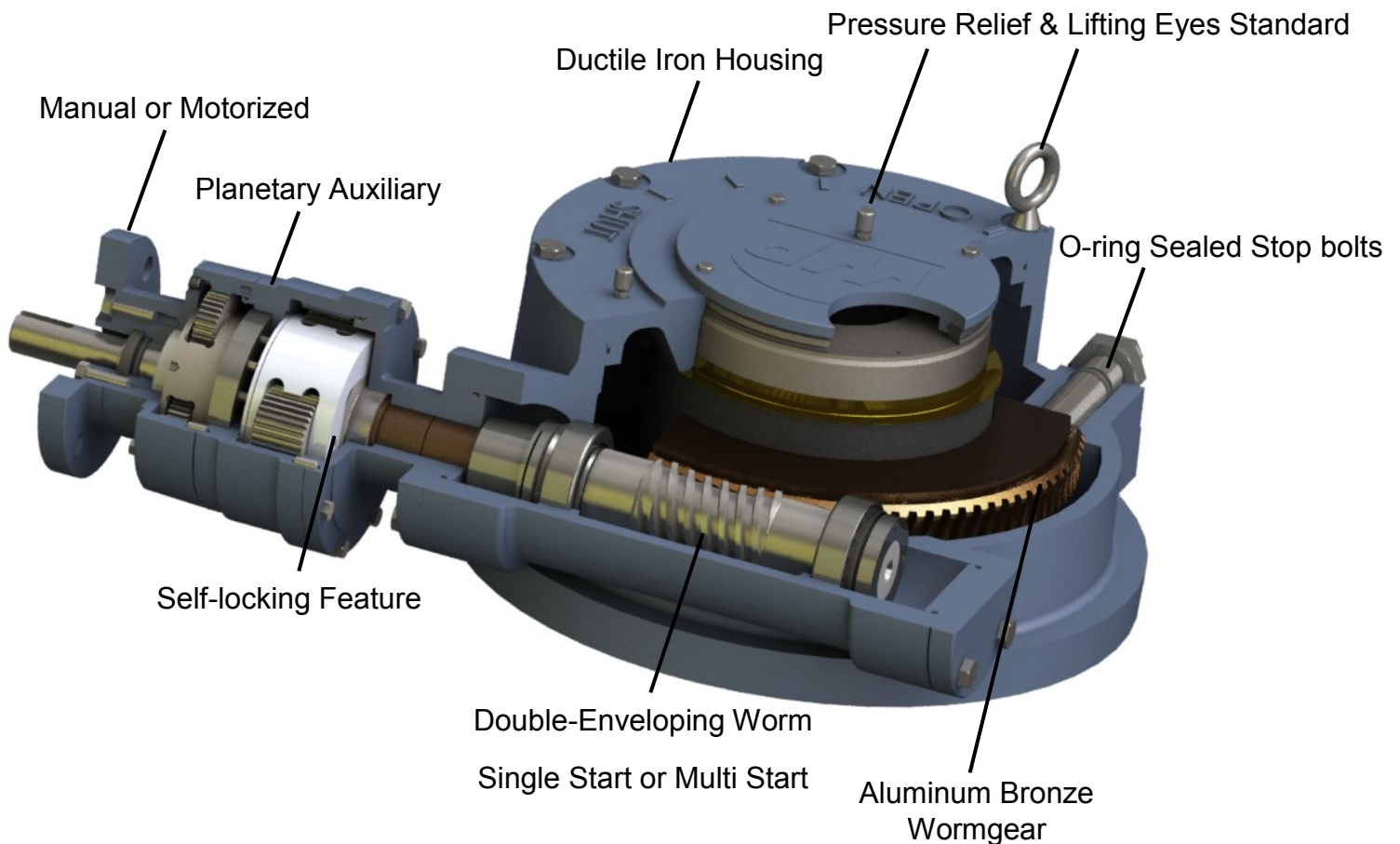
Multi Start High Efficiency Worm Gear
Self-Locking Using Patented PolyLock Clutch
Greater than 65% efficient

Performance Comparison to Standard Worm Gear

Valve Size [In]	Torque w/ SF [In-Lbs.]	Handwheel Diameter [In]	Break Rim Pull [Lbs.]	Turns to Close		Reduction in Turns
				Conventional Competitor	WedgeRock Worm Gear	WedgeRock Worm Gear
24	180,000	36	< 80	154	73	2.2X
30	325,000	36		226	79	2.9X
36	475,000	36		305	120	2.6X



WedgeRock: Better Design – Better Materials



WEDGEROCK BENEFITS

- Standard Efficiency and High Efficiency
- Extends size and class of manual valves
- Fewer turns to close / lower input torque
- External Anti-back drive - configurable to application
- Designed for submerged service - surpasses IP68
- Nearly zero backlash for high resolution control

Standard Gear Operators from 5,000 in-lbs. to 16,000,000 in-lbs.

OUR MISSION

WedgeRock provides performance engineered actuation solutions for demanding applications.

ABOUT WEDGEROCK

WedgeRock symbolizes the elegance of a simple and effective design and the grit, focus and determination required to make things happen – the work required to get big things moving.

Pragmatism and hard work are central to our culture and reflected in everything we do.

With a focused approach, WedgeRock provides solutions for the most demanding torque and thrust application. Whether you need to operate valves thousands of feet below the ocean surface, or a purpose designed gear operator for your valve line, give us a call or drop an email to get the partnership started.



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