



**VALVE AND FLOW CONTROL SPECIALISTS**  
*SERVICE AND RELIABILITY*

**Manual Operators for valves at height**



***Chainwheels for multiturn valves Gearbox & chainwheels for quarter turn valves***

Chainwheel / gearbox Chainwheel combinations are most common for valves above 2" (50nb). With "working at height" protocols the application can be anything above 2 meters thus keeping the operation of the valves from ground level without the requirements of stands or ladders etc.

**For multiturn valves** such as gate and globes the chainwheels are good for valves from 2" to 36" however in the larger sizes (unless they are knifegates) the valves would already have a gear operator. In this case the chainwheel will be used on the gearbox handwheel just like it would on a standard handwheel operated valve.

**For quarter turn valves** such as butterfly and ball valves a gearbox coupled to the valves mounting pad (if no mounting pad an interface bracket is available) with the chainwheel as a complete unit is used. The IP67 gearbox has an indicator to show the position as standard or this can be upgraded to a domed indicator. The standard gearbox chainwheel unit suits from ISO F05 to F25 and torques to 8000nm.

The chain is available in mild steel as standard with an option of stainless steel. If the requirement is for a 3 meter drop you will need 6 meters of chain. The chain is cut and welded to the required drop length.

Whether a valve is without a gearbox ensure those with grease nipples fitted are in programmed maintenance to keep torques to a minimum. Gear boxes when fitted are lubricated and sealed but should also be inspected in turn around maintenance schedules to ensure easy operation and long life.

For further details our staff are here to help you.

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