



Description :

Especially designed for manual operation of quarter turn valves with pneumatic actuators (both double acting or spring return)
 All gearboxes are of rugged construction and suitable for indoor and outdoor use.
 They are designed for simple and reliable manual positioning of valves and dampers, the self-locking worm gear means safe and easy operation, positive manual positioning and long life.
 A Block and Bleed valve is fitted to automatically exhaust air from the actuator in order to override the remote control system.
 The gearboxes can be used with any quarter turn actuator and may be installed in the field onto existing valves.

Specification :

- Body : Cast Iron
- Quadrant : Nodular Iron
- Output Drive Shaft : Stainless Steel
- Rotation : OPEN when handwheel turned anti-clockwise.
CLOSED when handwheel turned clockwise.
- Movement : Rotation 90° (Adjustable ±5° each end of stroke)
- Finish : Black Epoxy Paint

Operation :

For manual operation pull out the spring loaded plunger and rotate the clutch handle fully up for engagement to take place. To dis-engage, pull out the spring loaded plunger and rotate the clutch handle fully down. Clutch handle is shown in the dis-engaged position.

Max. Output Torque (Nm)	HKO 010	HKO 050	HKO 080	HKO 150
	120	500	800	1500

Gear Operator Size	A	B	C	D	E	F	G	H	I	Weight (kg.)	Bottom Coupling Flange	Top Coupling Flange
HKO 010	104	45	45	110	70	115	17	17	24	5	F05/F07	F05/F07
HKO 050	148	70	75	140	97	170	22	22	36	16	F10/F12	F07/F10
HKO 080	154	70	75	205	97	177	27	27	36	17	F10/F12	F10/F12
HKO 150	190	108	98	300	128	275	36	36	45	43	F14	F10/F14