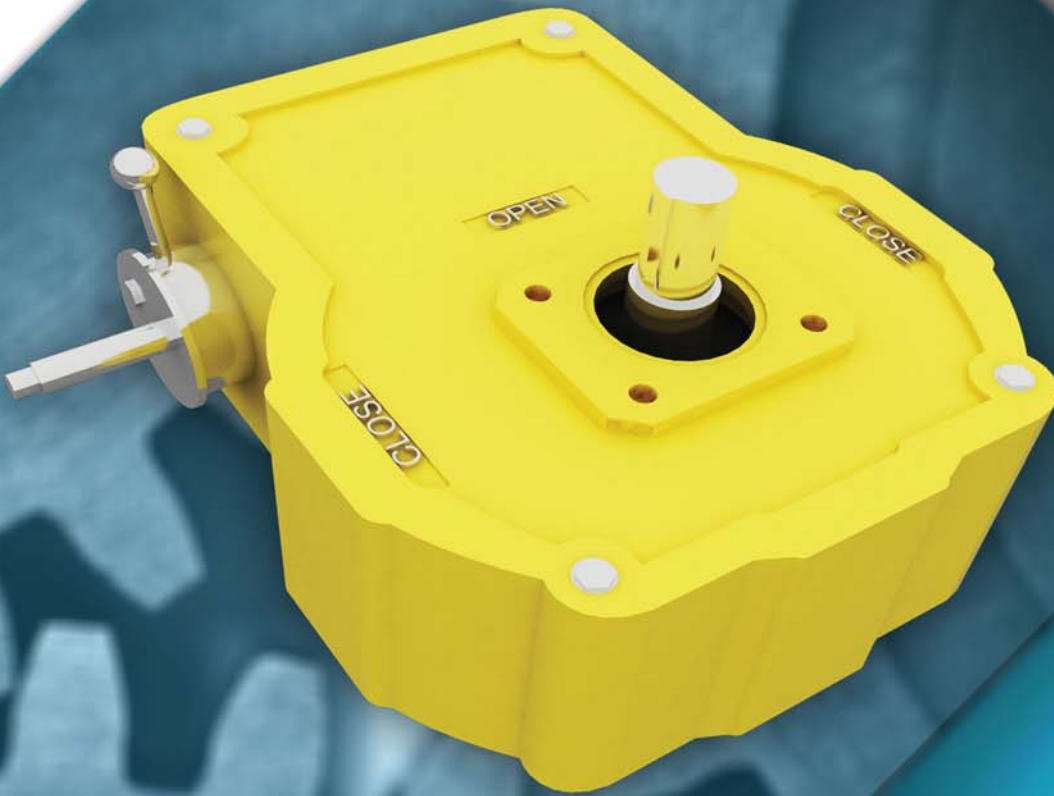




Manufacture of Valve Operators & Manual Overrides Actuators



TechVal
Control Systems

MOR SERIES : Quarter Turn Manual Overrides for Pneumatic Actuation



Features :

- ▶ 10 models upto 5,000 Nm output torque
- ▶ Alloy steel input shafts .
- ▶ Rugged Design .
- ▶ High Performance axial bearings .
- ▶ Epoxy Primer coating .
- ▶ Powder Coated Handwheels for smooth and easy operation
- ▶ Stroke - 0° to 90° (+/- 5°) .
- ▶ Smooth and easy CLUTCH - DECLUTCH mechanism

Geared

for

Excellence

About the MOR Series :

The MOR series manual overrides are quarter turn devices used to operate pneumatically actuated valves.

The MOR series of quarter turn manual overrides are robust industrial grade products manufactured with cast iron housing components.

All models in this series are compact designed, epoxy primer coated and feature high performance axial bearings.

The MOR series have optimum ratios for reduced effort during operation.



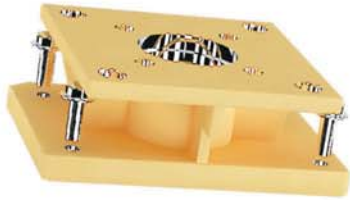
PERFORMANCE SPECIFICATIONS OF QUARTER TURN MANUAL OPERATORS (MOR SERIES)

Options :

- ▶ Locking arrangement
- ▶ Housing material options (Ductile Iron / Carbon steel/ Stainless steel)
- ▶ Worm wheel material (Al. Bronze)
- ▶ Shaft, Hardware and Handwheel (Stainless Steel)

Specifications :

- ▶ Std Enclosure - IP -54 (IP-65 - Optional)
- ▶ Lubrication - High Performance Grease Filled (NLGI-2)

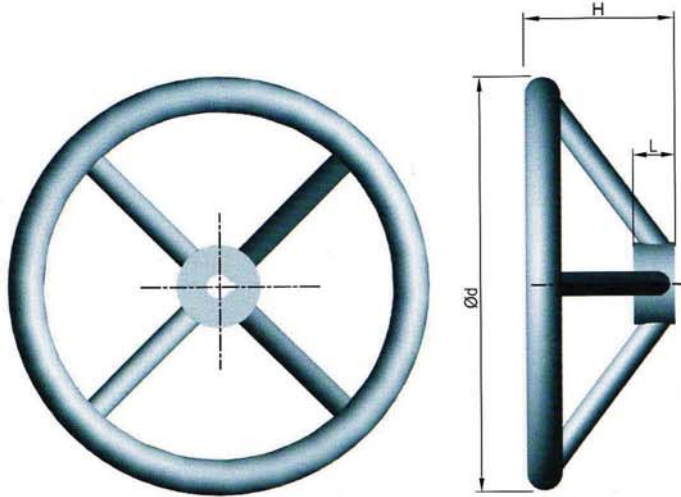


REFER FIG (1) FOR MODELS UPTO MOR 5
REFER FIG (2) FOR MODELS ABOVE MOR 5

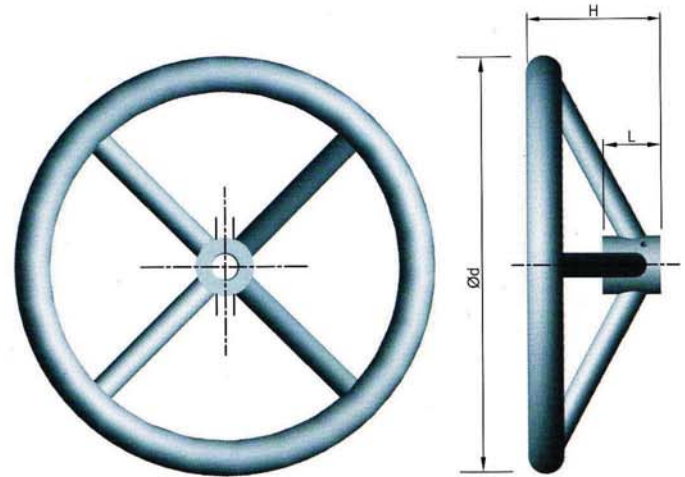
MOR	RATED OUTPUT TORQUE (Nm)	MECH. ADVANTAGE <u>+10%</u>	RATIO	TURNS TO CLOSE	VALVE MOUNTING ISO 5211	MAX DRIVE BORE	APPROX UNIT WEIGHT (KG)	ACTUATOR MTG FLANGE ISO 5211	RECOM-MENDED HANDWHEEL (mm)	A	B	C	D	E	F	G	H	I	Ød
MOR 0.5	250	9	38:1	9.5	F05, F07	25	5	F 05, F 07	Ø175/200	83	121	98	126	40	98	28.5	5	48	12
MOR 1	650	9	38:1	9.5	F07,F10, F12	30	9	F 07, F10, F12	Ø250/300	113	181	146	165	64	146	40.5	4.5	75.5	14
MOR 2	1500	17	70:1	17.5	F10, F12, F14	50	25	F10, F12, F14	Ø400/450	150	224	151	230	67	209	44	3	91	16
MOR 2	1500	17	70:1	17.5	F10, F12, F14	50	28	F16	Ø400/450	150	224	151	230	67	209	44	3	91	16
MOR 2.5	2500	17	80:1	20	F12, F14, F16	60	31	F12, F14, F16	Ø450/500	162.5	283	215	188	81	276	57.5	9	107	20
MOR 3.5	3500	22	90:1	22.5	F16, F25	80	60	F16	Ø500/600	185	333	270	265	100	342	69	6	126	20
MOR 5	5000	50	264:1	66	F16, F25	80	70	F25	Ø600	193	379	270	325	100	342	69	10	136	20
								F16	Ø600	185	379	270	325	100	342	69	10	136	20



'K' SERIES HANDWHEEL



'H' SERIES HANDWHEEL

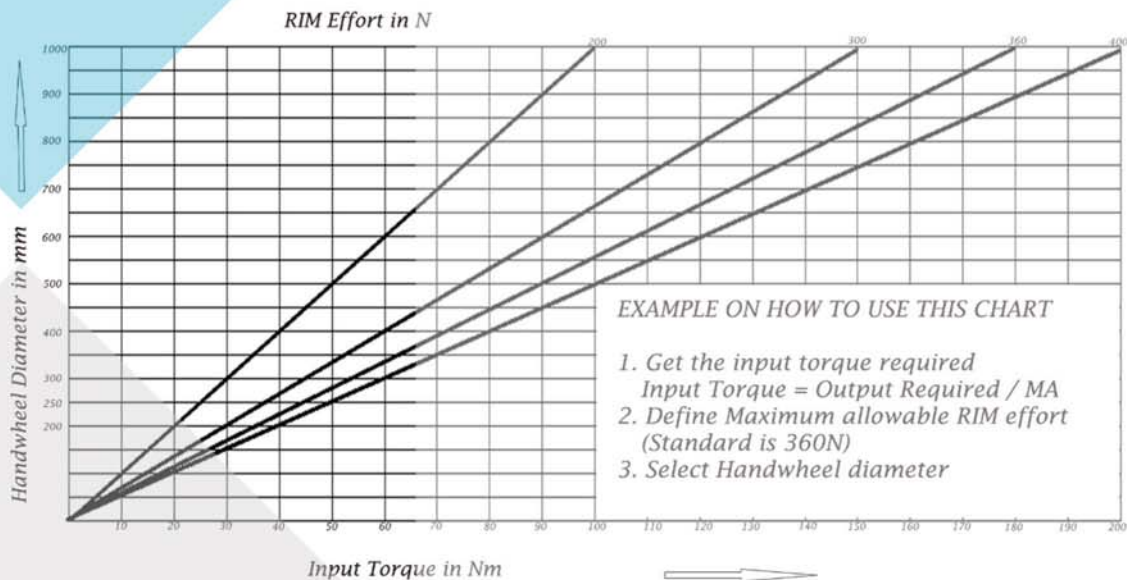


Handwheel with Keyway

Ød	H	L
175	70	30
250	80	35
350	125	35
400	135	44
500	130	44
600	145	44
750	170	44
900	180	44
1000	180	44

Handwheel with Hole / Pin

Ød	H	L
175	60	19
250	90	25
350	110	30
400	130	30
500	110	30
600	130	30
750	160	30
900	180	30
1000	160	30





GEAR BOX

