

MANUAL GO SERIES TECHNICAL DATA

DESCRIPTION

The manual gear operator line is designed to provide an alternative to lever handles and other types of manual actuation for small and mid-range valve sizes with operating torques up to 146,000 in-lbs. Gear operators increase safety in high flow rate applications and provide for more secure and positive positioning in throttling applications. These worm gear style operators provide secure and accurate positioning of quarter turn valves for open/closed or throttling applications.

FEATURES & BENEFITS

COMPACT DESIGN

The MAX-AIR GO Series gear box provides a versatile economic solution for quarter-turn valve operation.

ISO MOUNTING FLANGES

Equipped with integral mounting flange according to ISO 5211 standards for easy, compact and cost-effective gear operated valve assembly.

ISO VALVE CONNECTION

Double square connection according to ISO 5211 standards with adapters available for a wide variety of valve stem drives.

TORQUE RANGE

Wide torque range from 1300 in-lbs to 146,000 in-lbs

DURABILITY

Epoxy-coated housing and hand wheel in addition to weather-resistant enclosures allow the GO Series gear operator to stand up in harsh environments.

TEMPERATURE RANGE

Wide temperature range from -40°F to 500°F (-40°C to 260°C) with corresponding high and low temperature gaskets and grease.

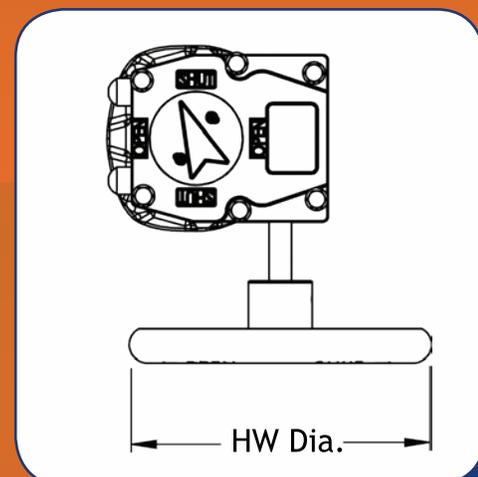
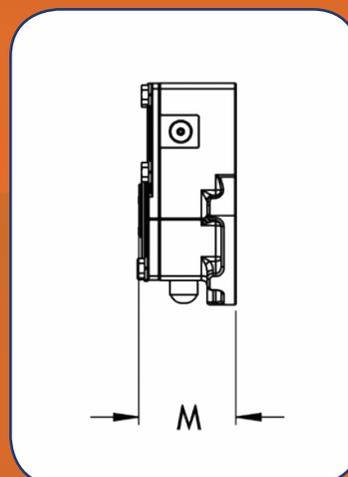
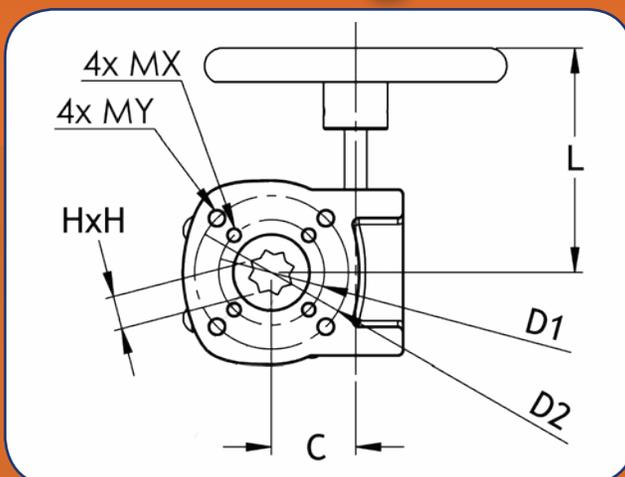


Model	Gear Ratio	Input Torque (in-lbs)	Output Torque (in-lbs)*	Hand Wheel Diameter (in)	Weight (lbs)	Rim Pull (lbs)*
GO-01-ISO	40:1	160	1330	6	2.8	27
GO-02-ISO	37:1	195	2200	6	5.6	33
GO-03-ISO	42:1	400	4425	10	11.5	40
GO-04-ISO	42:1	800	8850	12	22.2	67
GO-05-ISO	60:1	975	15900	16	40.8	61
GO-06-ISO	68:1	1460	30090	16	78.1	91
GO-07-ISO	88:1	1460	39825	16	101.0	91
GO-08-ISO	184:1	1330	69900	16	171.0	83
GO-09-ISO	250:1	1330	89395	16	238.0	83
GO-10-ISO	720:1	1330	146030	20	408.0	67

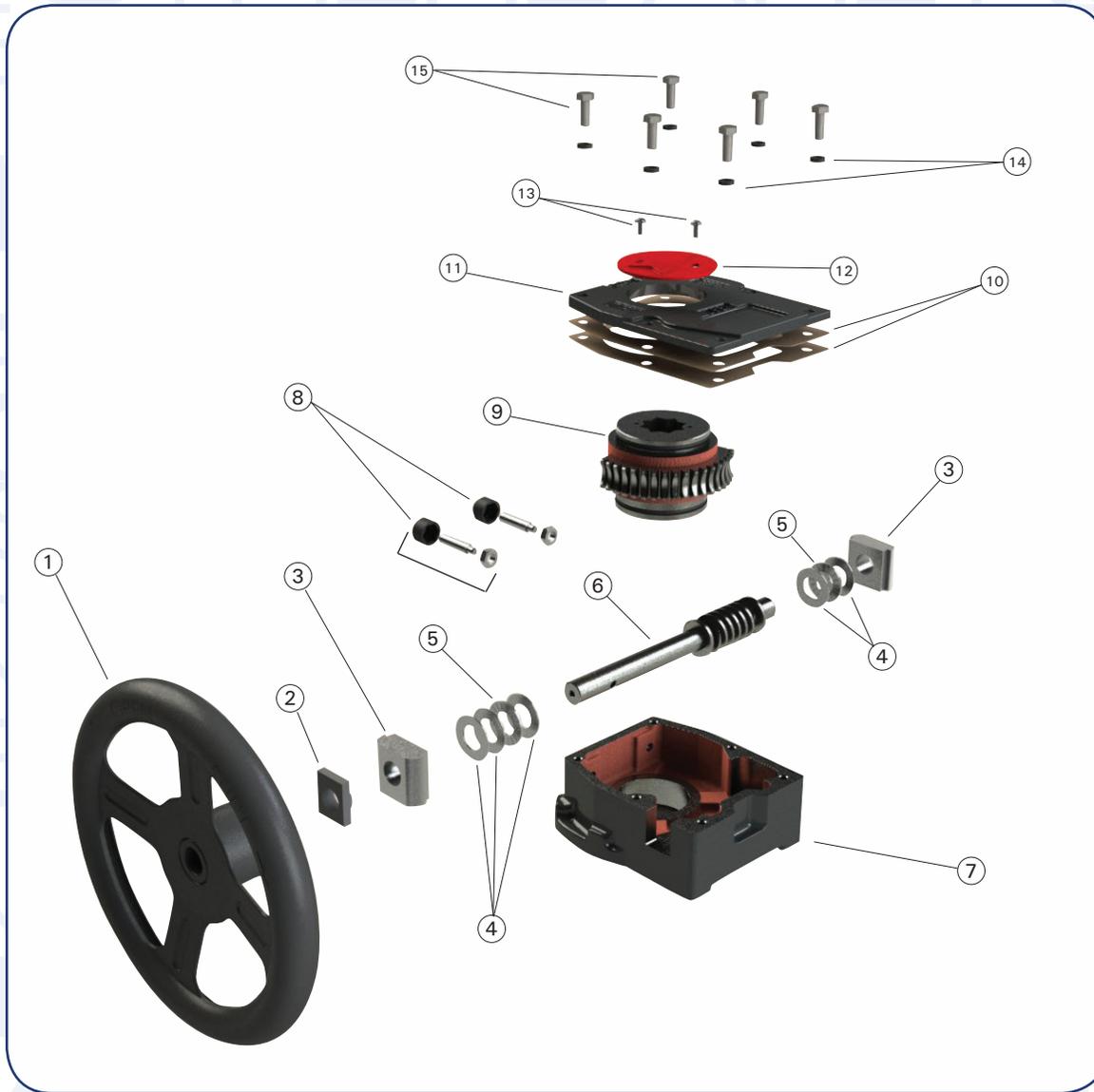
*These values are maximums and do not correspond to actual valve-gear assemblies.

Model	L (in)	M (in)	C (in)	Output Shaft (mm)	Valve Mounting					
				HxH	D1 (in)	4xMX	ISO	D2 (in)	4xMY	ISO
GO-01-ISO	3.9	2.12	1.69	11	1.97	M5	F05	2.76	M8	F07
GO-02-ISO	5.8	2.25	2.49	17	2.76	M8	F07	-	-	-
GO-03-ISO	8.4	2.51	2.38	22	2.76	M8	F07	4.02	M10	F10
GO-04A-ISO	8.3	3.08	2.63	27	4.02	M10	F10	5.51	M16	F14
GO-04B-ISO	8.3	3.08	2.63	27	4.92	M12	F12	-	-	-
GO-05A-ISO	11.1	3.42	3.49	46	4.92	M12	F12	6.50	M20	F16
GO-05B-ISO	11.1	3.42	3.49	46	5.51	M16	F14	-	-	-
GO-06A-ISO	13.5	3.86	4.98	46	6.50	M20	F16	-	-	-
GO-06B-ISO	13.5	3.86	4.98	46	5.51	M16	F14	-	-	-
GO-07-ISO	14.4	3.99	6.05	46	6.50	M20	F16	10.00	M16	F25
GO-08-ISO	18.7	5.16	1.97	CALL	6.50	M20	F16	10.00	M16	F25
GO-09-ISO	19.9	6.54	3.74	CALL	10.00	M16	F25	11.73	M20	F30
GO-10-ISO	26.6	6.22	9.45	CALL	10.00	M16	F25	11.73	M20	F30

MANUAL GEAR DIMENSIONS



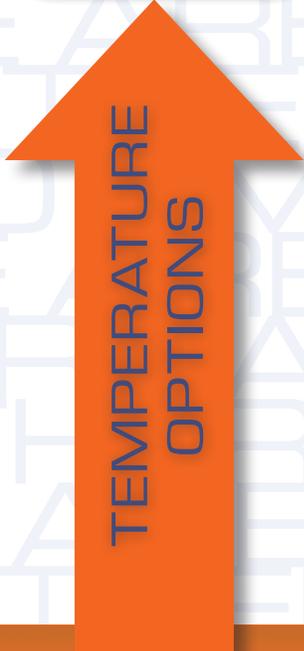
MANUAL EXPLODED VIEW



LOW TEMP SERVICE
For temperatures below -4°F down to -40°F, special low temperature seals and lubricant must be used.

STANDARD SERVICE
Actuators come standard with BUNA-N seals, which are good for normal temperature ranges of -4°F to 176°F.

HIGH TEMP SERVICE
For extremely high temperature service, special high temperature seals and lubricant must be used. Temperature ranges up to 500°F can be accommodated with our specially manufactured actuator units.



Item	Description	Qty	Materials	Item	Description	Qty	Materials
1	Hand Wheel	1	Steel or Cast Iron	9	Segment Gear	1	Ductile Iron
2	Shaft Gasket	1	Poly-fiber	10	Cover Gaskets	2	Poly-fiber
3	Shaft Holders	2	Plated Carbon Steel	11	Cover	1	Cast Iron
4	Shaft Washers	5	Plated Carbon Steel	12	Indicator	1	Plated Steel
5	Shaft Bearings	2	Plated Carbon Steel	13	Indicator Screws	2	Plated Carbon Steel
6	Worm Shaft	1	Plated Carbon Steel	14	Cover Plate Bolt O rings	6	BUNA-N
7	Body	1	Cast Iron	15	Cover Plate Bolts	6	Plated Carbon Steel
8	Travel Stops	2	Plated Carbon Steel				