

## Worm Gear Operators For 1/2"-12" Ball Valves



### FTG Series

Flow-Tek's rugged FTG Series Manual Gear Operators have been designed with long, trouble-free life and reliability in mind. The FTG Series features Ductile Iron housing, an Aluminum Bronze gear segment and a Steel one-piece worm gear-input shaft mounted on tapered roller bearings at both ends. To easily fix open and closed positions, adjustable travel stops contact the gear segment to adjust ball position in both open and closed positions, and are provided with

locknuts. Housing openings are sealed to protect against any ingress, such as dirt, dust and outside weather conditions.

In addition, all models include a corrosion resistant valve position indicator designed with high visibility in mind, lubricated self-locking worm gears to secure any ball position as well as mounting dimensions drilled and tapped to meet ISO 5211 as standard features.

**Output torque is available in range of 5,300 to 70,000 lb-in (600 to 7,900 Nm)**

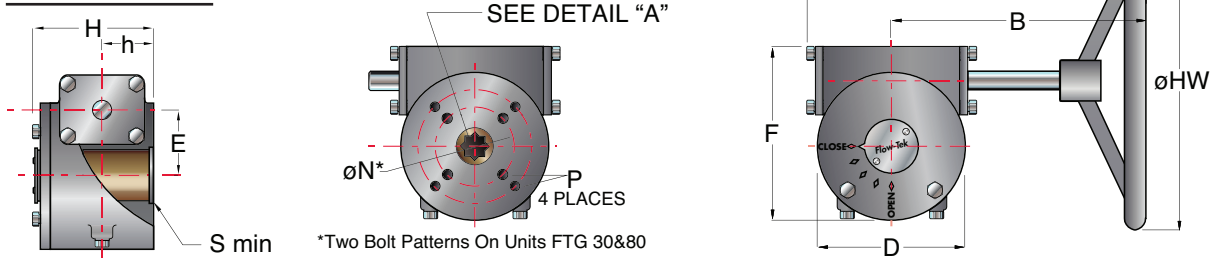
#### Options

- Locking Device
- Chain Wheels
- Horizontal Flag Indicator
- 2" Square Input Drive Nut
- Grease Fitting
- Flow Pattern Indicators for Multport Valves

## FTG SERIES DIMENSIONS AND WEIGHTS

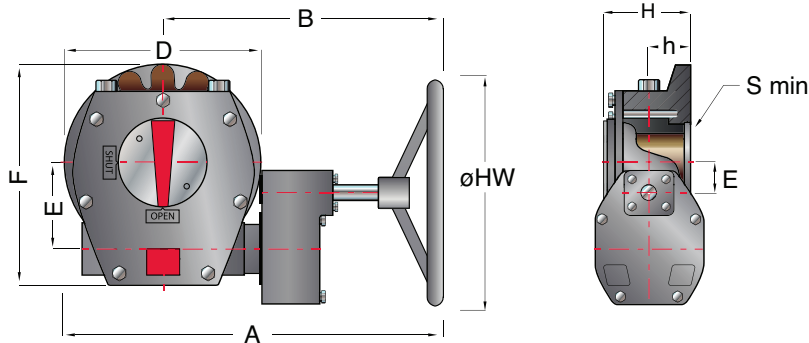
Model	Ratio	A	B	D	E	F	H	ISO N	UNC P	Square Q	R Min.	S Min.	h	Radius Max	lbs-in* Nm	lbs kg	øHW
FTG22	22:1	8.9 225	6.5 164	3.9 100	1.7 42.5	5.6 143	3.3 83	F07	5/16 - 18	0.669 17	0.875 22.2	0.06 1.5	1.5 39	0.04 1.0	5,310 600	16 7.2	8 200
FTG30	30:1	13.4 341	10 254	5.6 142	2.5 63	7.7 195	3.5 90	F07 F12	5/16 - 18 1/2 - 13	1.063 27	1.425 36.2	0.09 2.2	1.5 37	0.08 2.0	8,850 1,000	29 13.1	12 300
FTG50	50:1	13.6 346	10 254	7.0 180	3.2 80	8.7 220	4.0 101	F12	1/2 - 13	1.811 46	2.370 60.2	0.11 2.7	1.5 38.5	0.10 2.5	12,391 1,400	39 17.7	12 300
FTG80	80:1	18.5 470	13.5 342	10.0 255	4.7 120	12.2 310	4.7 120	F12 F16	1/2 - 13 3/4 - 10	2.165 55	2.843 72.2	0.17 4.3	2.2 55	0.11 2.8	22,126 2,500	84 38.3	16 400
FTG170	70:1	20.1 553	16.9 428	10.3 260	5.0 126	11.6 296	4.7 120	F-12 F-16	1/2-13 3/4-10	2.165 55	2.84 72.2	0.17 4.3	2.0 52	0.1 2.8	39,830 4,500	99 45	28 705
FTG190	184:1	23.1 588	17.0 433	12.2 310	5.4 137	13.7 349	5.4 138	F-16	3/4-10	2.165** 55	2.843 72.2	0.40 10	2.6 65.5	0.11 2.8	70,000 7,900	139 63	30 762

### FTG22 - FTG170

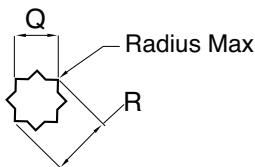


\*Two Bolt Patterns On Units FTG 30&80

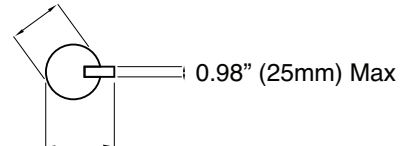
### FTG190



#### DETAIL "A"



\*\* Optional Round Keyed Connection  
3.5" (89mm) Max dia



3.8" (96.3mm) Max



# Flow-Tek

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