

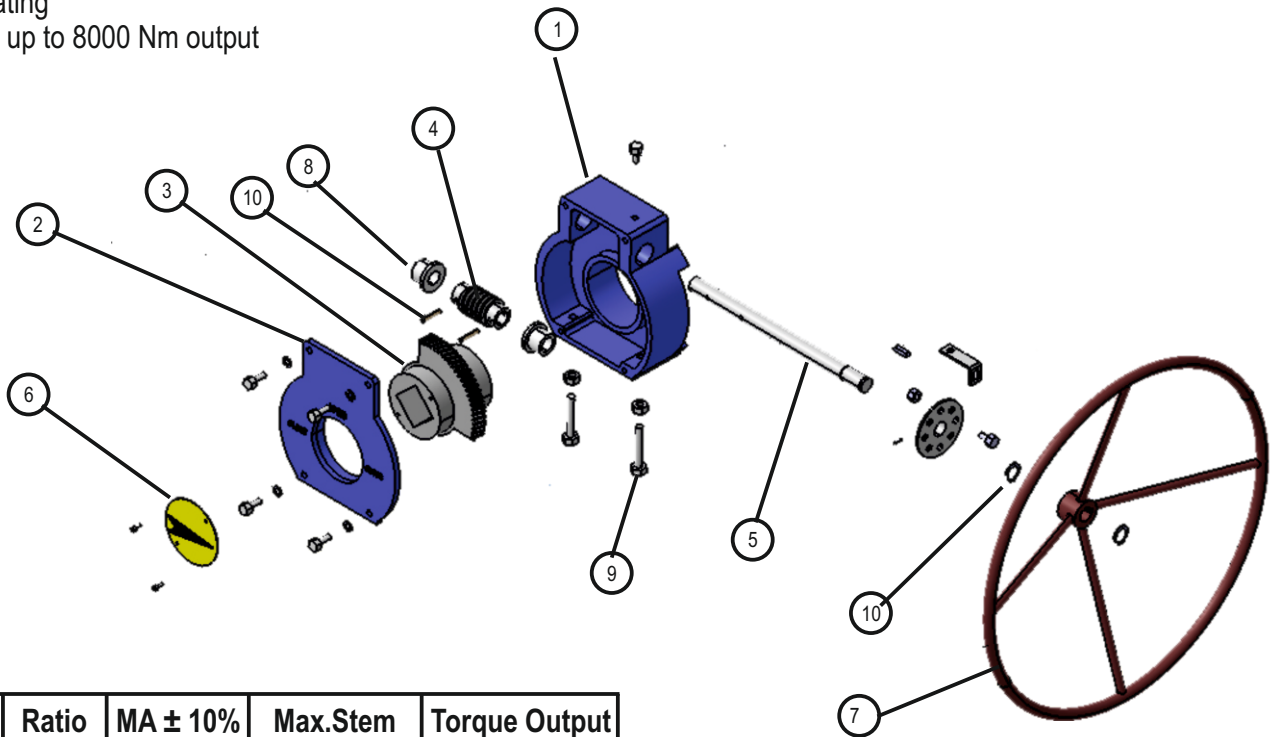


DESIGN & INNOVATION

The FEATHER make Gear units are the quarter turn worm gear operators and are specially designed to operate valves that turn through 90°. These include Ball Valves, Butterfly Valves, Plug Valves and also the Dampers. Adjustable mechanical stoppers are provided to set the operation within $\pm 5^\circ$ of the extreme positions. A mechanical position indicator is provided on these units to show the valve position. The hand wheels are available in variety of sizes for smooth and easy operation.

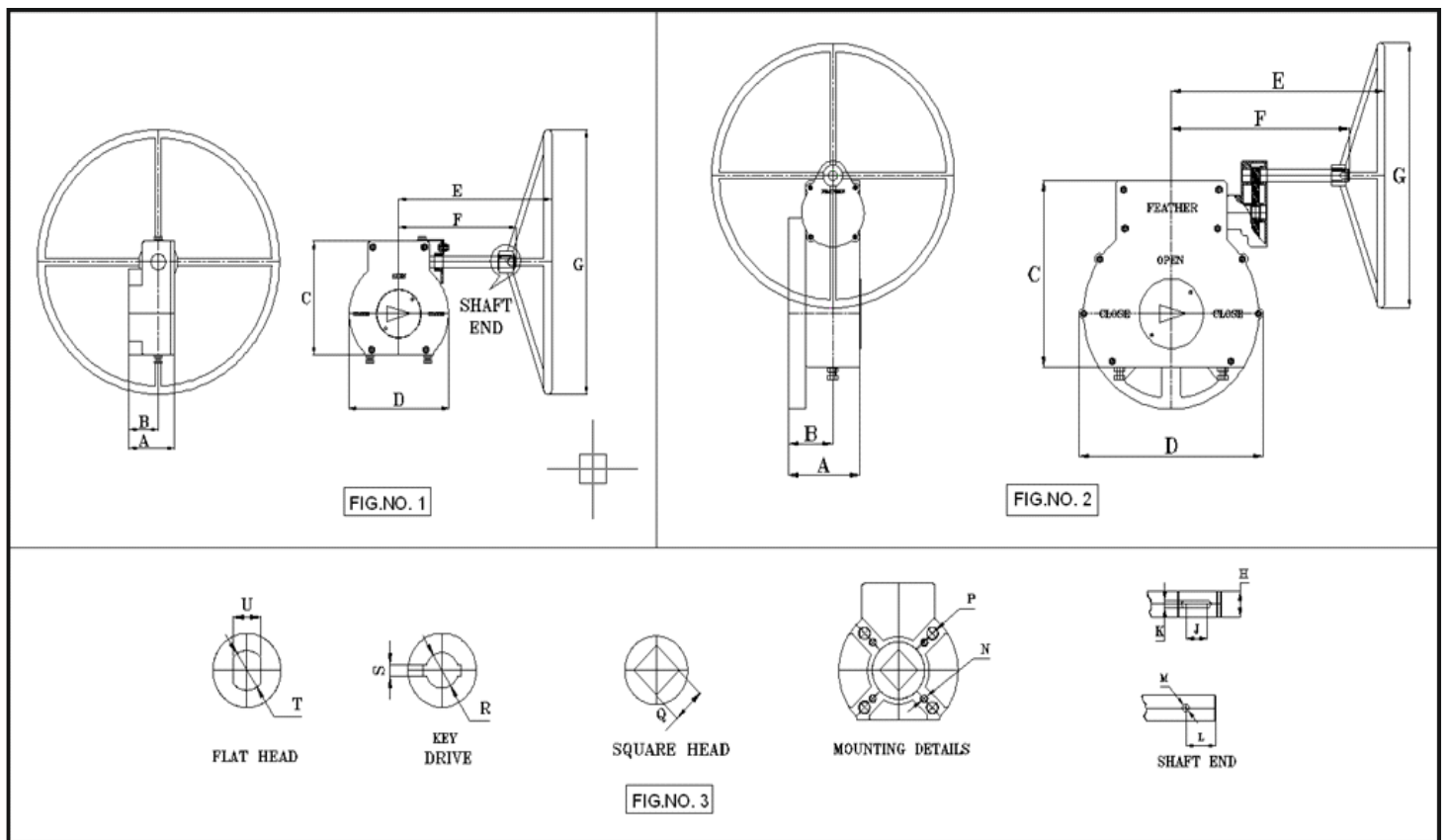
FEATURES

- Rugged Construction
- Cast Iron Housing
- Carbon Steel Shaft & Worm
- Enclosure IP67 (Optional)
- Base mounting as per ISO-5211
- Axial NYLON Bushing (Optional)
- Stroke – 0° to 90° ($\pm 5^\circ$ adjustable)
- Locking Arrangement (Optional)
- Epoxy Coating
- 12 Models up to 8000 Nm output



FEATHER Model	Ratio	MA $\pm 10\%$	Max.Stem Height (mm)	Torque Output (Nm)
FGB15 - 1	25 : 1	4.4	45	150
FGB25 - 1	33 : 1	7.4	54	250
FGB50 - 1	40 : 1	11.1	63	500
FGB70 - 1	40 : 1	11.3	67	700
FGB10 - 2	44 : 1	15.6	74	1000
FGB15 - 2	50 : 1	16.7	82	1500
FGB25 - 2	65 : 1	22.2	91	2000
FGB50 - 2	65 : 1	33.3	113	3000
FGB70 - 2	73 : 1	38.9	113	3500
FGB40 - 2	90:1	44.4	145	4000
FGB65 - 2	292:1	72.2	117	6500
FGB80 - 2	320:1	94.4	145	8000

SR No.	COMPONENT	STANDARD MATERIAL
1	HOUSING	Cast Iron (FG250)
2	CAP	Cast Iron (FG250)
3	SECTOR	Cast Iron (FG250)
4	WORM	Carbon Steel (En8)
5	SHAFT	Carbon Steel (EN8)
6	INDUCTOR PLATE	Mild Steel
7	HANDWHEEL	Mild Steel
8	SHAFT BUSH	Nylon
9	FASTNERS	Medium Carbon Steel
10	SPRING DOWEL / CIRCLIP	Spring Steel

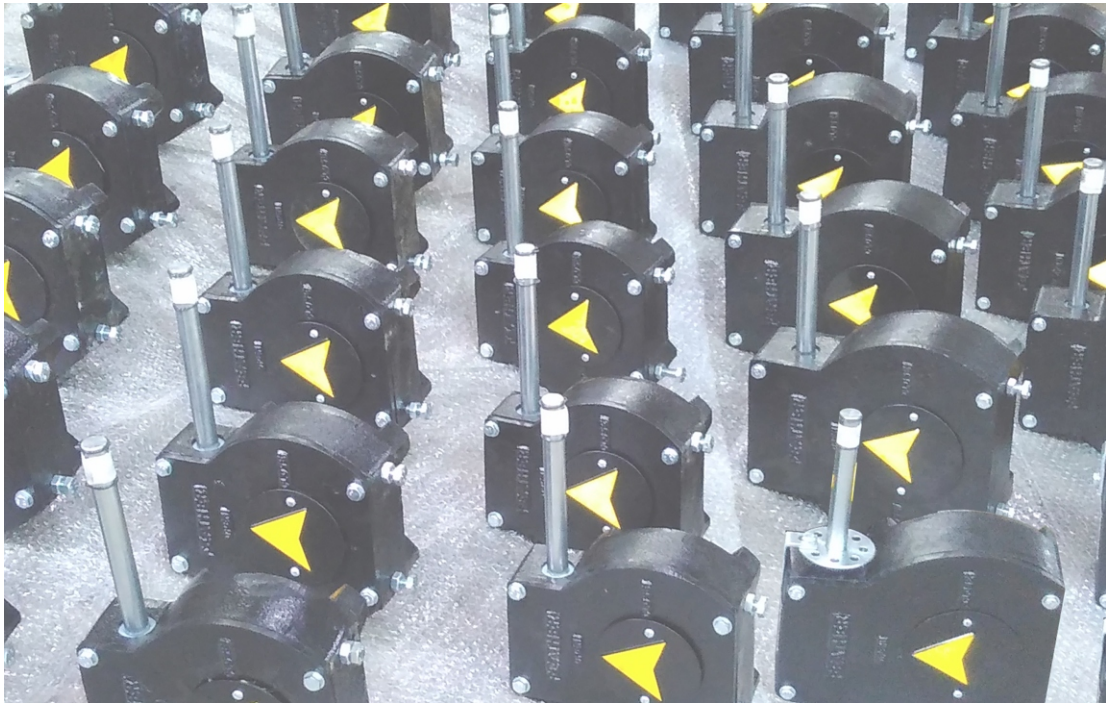


REFER FIG NO.1 FOR MODELS UPTP FGB40-2
 REFER FIG NO.2 FOR MODELS ABOVE FGB40-2

FEATHER Model	FGB15-1	FGB25-1	FGB50-1	FGB70-1	FGB10-2	FGB15-2	FGB20-2	FGB30-2	FGB35-2	FGB40-2	FGB65-2	FGB80-2
PARAMETER												
A	47	56	65	69	76	84	93	114	114	147	117	147
B	27	34.3	39	41	47	52	60	71	71	92	52	78
C	88	108	129	142	157	179.5	215	256	274	353	265	305
D	74	92	125	127	150	168	205	238	261	305	283	350
E	163.5	196	240	288	300.5	305	315	322.2	342.2	249	325	355
F	128.5	161	176	198	210.5	226	242	249.5	269.5	249	325	355
G	175	175	250	350	350	350	500	500	500	500	500	500
H	10	12	14	16	16	16	20	20	22	22	22	22
J	NA	NA	NA	NA	NA	19	19	19	19	19	19	19
K	NA	NA	NA	NA	NA	6	6	6	6	6	6	6
L	18	18	18	23	23	NA	NA	NA	NA	NA	NA	NA
M	4	4	5	5	6	NA	NA	NA	NA	NA	NA	NA
N	F03	F05	F07	F07	F10	F10	F12	F12	F16	F16	F16	F16
P	F05	F07	F10	F10	F12	F14	F16	F16	F16	F25	F25	F25
Q	14.1	17.1	22.2	22.2	27.2	27.2	46.2	46.2	46.2	46.2	55.2	55.2
R	18	22	28	28	36	48	60	60	60	60	72	72
S	6	6	8	8	10	14	18	18	18	18	20	20
T	18.1	22.2	28.2	28.2	36.2	48.2	60.2	60.2	60.2	60.2	72.2	72.2
U	14	17	22	22	27	36	46	46	46	46	55	55

ALL DIMENSIONS ARE IN MM

As we continuously endeavour to improve our products, the data given herein are subject to change.



FEATHER FLOW CONTROL SYSTEMS PVT. LTD.

WORKS

J209, M.I.D.C. Industrial Area, Bhosari, Pune, Maharashtra, India. PIN: 411 026.
E-mail: sales@featherflow.in Phone : 020 66350490

HEAD OFFICE

"FEATHER HOUSE", Plot No.17/2, Sr. No.150,
Vidya Nagar, Godoli, Satara, Maharashtra, India. Pin : 415 001

www.featherflow.in

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