



## Butterfly Valve c/w Signal Gearbox - Grooved End

Model: BGB-8, BGB-12, BFGB-N-300-8, BFGB-N-8, BGB-N-300-8, BGB-N-8, BGB-N-300-12, BFGB-N-300-12, BGB-N-12, BFGB-N-12

### Technical Features

- Conforms: ANSI / AWWA C606 or Metric Standard Clear Waterway design
- Connection: Grooved End
- Sizes: 2", 2½", 3", 4", 5", 6", 8", 10", 12"
- Approvals: UL
- Maximum Working Pressure: 300 PSI (Maximum Testing Pressure: 600 PSI) conforms to UL1091 & ULC / ORD-C1091 & FM 1112
- Maximum Working Temperature: 80°C / 176°F
- Application: Indoor & Outdoor Use, Fire inflow water, drain pipe, high-rising building fire fighting system, industrial factory building fire protection system
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or coating upon request
- Disc: Ductile Iron EPDM Rubber Encapsulated
- Top Flange Standard: ISO 5211
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available

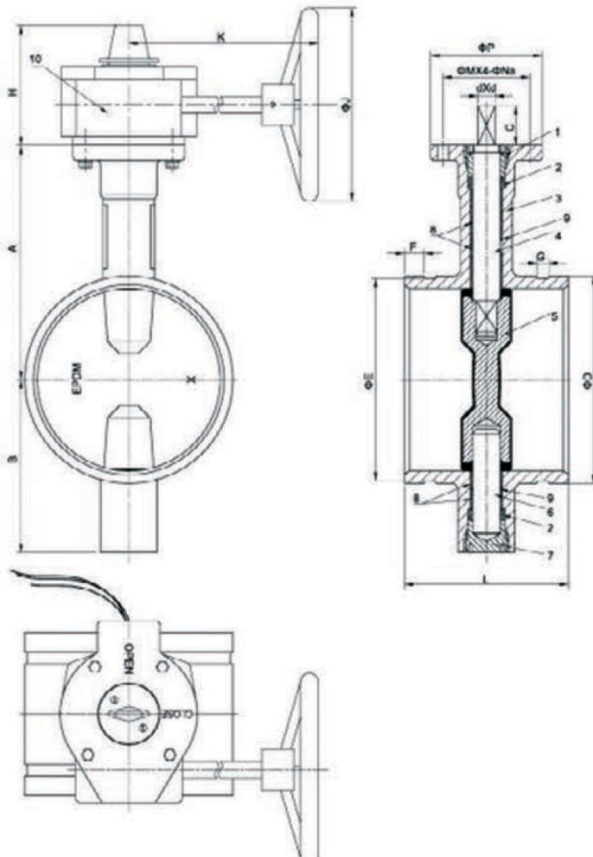


### Valve Material List

NO.	Description	Material	Standard
1	Upper Shaft Sealing Nut	WCB	ASTM A216
2	Shaft Seal	EPDM	ASTM D2000
3	Body	Ductile Iron	ASTM A536 Grade 65-45-12
4	Upper Shaft	416 Stainless Steel	ASTM A582
5	Disc+Rubber Seat	Ductile Iron+EPDM	ASTM A536+ASTM D2000
6	Lower Shaft	416 Stainless Steel	ASTM A582
7	Lower Shaft Sealing Nut	WCB	ASTM A216
8	Stem Bushing	PTFE / C95400	
9	O-Ring	EPDM	ASTM D2000
10	Gearbox		

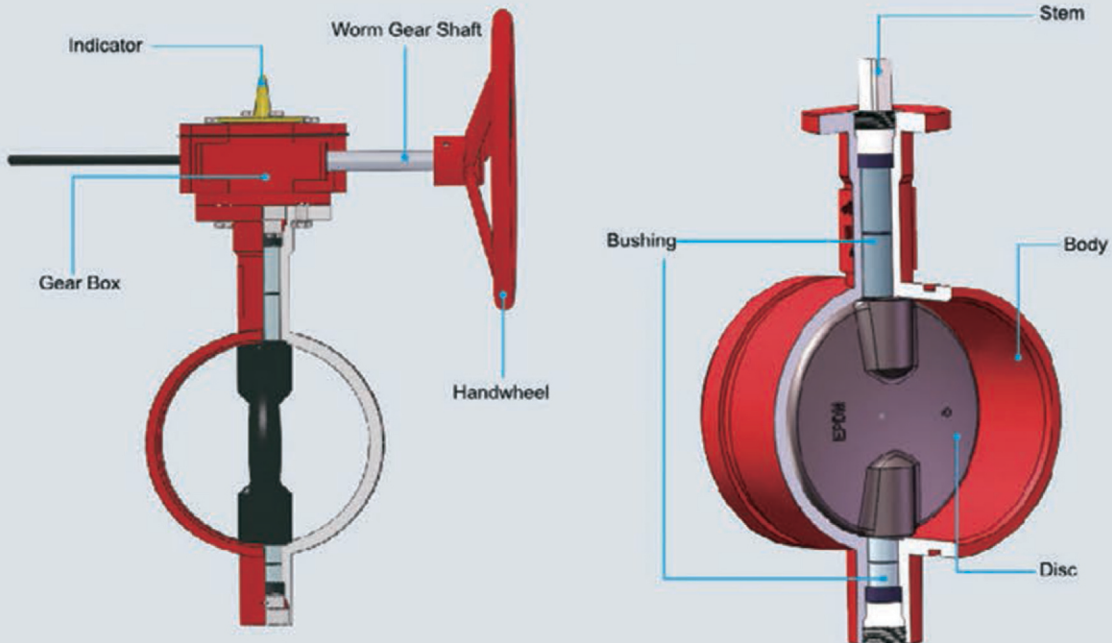
### Dimensions

Size	A	B	C	D	E	F	G	H	K	J	P	M	N	d	L	
2"	110	85	32	60.3	57.15	15.9	7.9	111	153	218	152	90	70	9	10	81 88
2½"	125	95	32	73 76.1	69.1 72.3	15.9	7.9	111	153	218	152	90	70	9	10	96.4
3"	140	100	32	88.9	84.9	15.9	7.9	111	153	218	152	90	70	9	11	97
4"	160	100	32	114.3	110.1	15.9	9.5	111	153	218	152	90	70	9	14	115.1
5"	170	125	32	139.7 141.3	135.5 137	15.9	9.5	111	153	218	152	90	70	9	14	132.4 148
6"	190	140	32	165.1 168.3	160.9 164	15.9	9.5	111	153	218	200	90	70	9	16	132.4 148
8"	230	175	32	219.1 216.3	214.4 211.6	19	11.1	126	210	232	300	125	102	12	19	133 147.4
10"	260	200	45	267.4 273	262.6 268.3	19	12.7	126	210	232	300	125	102	12	24	159
12"	300	240	45	318.5 323.8	312.9 318.3	19	12.7	161	249	350	150	125	14	26	165	

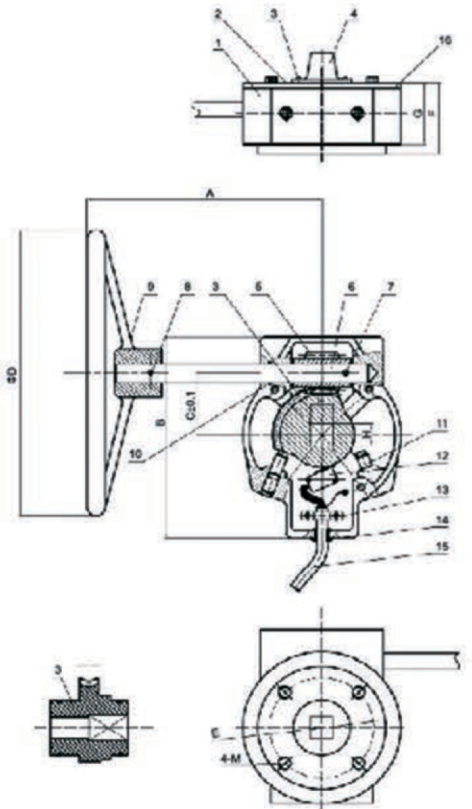




**3D Pictures**



**Gearbox Drawing**



**Gearbox Material List**

NO.	Description	Material	Standard
1	Gear Body	Ductile Iron	ASTM A536 Grade 65-45-12
2	Gear Cover	Ductile Iron	ASTM A536 Grade 65-45-12
3	Worm Wheel	Ductile Iron	ASTM A536 Grade 65-45-12
4	Indicator	Ductile Iron	ASTM A536 Grade 65-45-12
5	Worm	Steel	
6	Handwheel Shaft	Steel	
7	Pin	416 Stainless Steel	ASTM A582
8	Pin	416 Stainless Steel	ASTM A582
9	Handwheel	Ductile Iron	ASTM A536 Grade 65-45-12
10	O-Ring	EPDM	ASTM D2000
11	Set Screw	Steel	
12	Signal Switch	Switch Assembly	
13	Clip	Nylon	
14	Sealing Ring	EPDM	ASTM D2000
15	Wire	Wire	
16	Gasket	EPDM	ASTM D2000

**Dimensions**

Gearbox	Valve	A	B	C	D	E	F	G	H	M	
24:1	2"-2½"	153	218	164	45	152	70	65	58	10	M8
24:1	3"	153	218	164	45	152	70	65	58	11	M8
24:1	4"-5"	153	218	164	45	152	70	65	58	14	M8
24:1	6"	153	218	164	45	200	70	65	58	16	M8
30:1	8"	210	232	205	63	300	102	79	67	19	M10
30:1	10"	210	232	205	63	300	102	79	67	22	M10
80:1	12"	249	284	120	350	125	118	110	24	M12	