



McCanna Valves

FCD Mmass0009-00  
(Part V410)

# Ball Valve Gear Actuator Selection

## McCannaSeal® Class 150, 300 & 600 Valves

Gear sizes for clean and lubricating media only.

### T Seats – All Classes and Configurations

Valve Size	Line Pressure (psig)			
	Vacuum to 100	100 to 285	285 to 500	500 to 740
3	G58	G58	G58	G358
4	G58	G58	G58	G58
6	G58	G1112	G1112	G1118
8	G1118	G1118	G1118	Not Recommended
10	G1818	G2418	G3018	Not Recommended

### R, U & W Seats – All Classes and Configurations

Valve Size	Line Pressure (psig)					
	Vacuum to 100	100 to 285	285 to 500	500 to 740	740 to 1100	1100 to 1480
3	G58	G58	G58	G58	G58	G58
4	G58	G58	G58	G58	G1112	G1112
6	G1112	G1112	G1118	G1812	G1818	G2418
8	G1118	G1818	G2418	G2418	G3024	G5012
10	G2418	G3018	G5012	G5018	G1612	G1612

### A, G & J Seats – All Classes and Configurations

Valve Size	Line Pressure (psig)					
	Vacuum to 100	100 to 285	285 to 500	500 to 740	740 to 1100	1100 to 1480
3	G58	G58	G58	G58	G58	G58
4	G58	G58	G58	G1112	G1112	G1118
6	G1112	G1118	G1818	G1818	G2418	G3024
8	G1818	G2418	G3018	G5012	G5018	G1612
10	G3018	G5012	G5018	G1612	G1618	G1618

### L & M Seats – All Classes and Configurations

Valve Size	Line Pressure (psig)					
	Vacuum to 100	100 to 285	285 to 500	500 to 740	740 to 1100	1100 to 1480
3	G58	G58	G78	G58	G58	G1112
4	G58	G58	G1112	G1112	G1118	G1818
6	G1112	G1118	G1818	G2418	G3018	G5012
8	G1818	G2418	G5012	G5018	G1612	G1612
10	G3018	G5012	G1612	G1612	G1618	G1618

ANSI Flange Ratings: Class 150 – 285 psig, Class 300 – 740 psig, Class 600 – 1480 psig

For other applications (i.e. slurries, etc.) contact Flowserve.

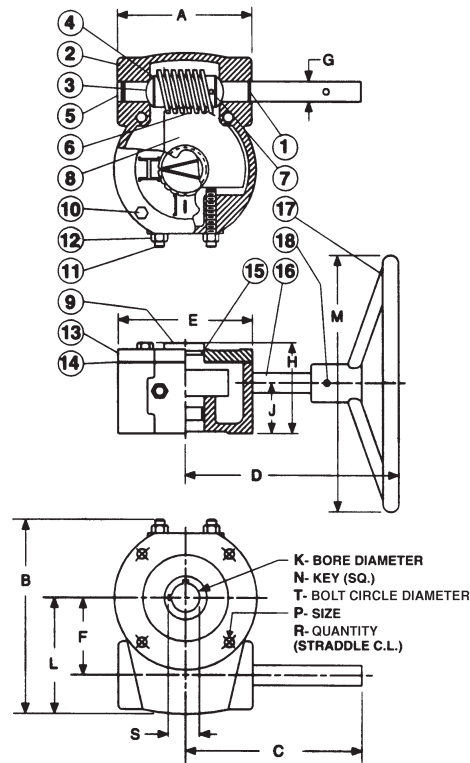
SIZING BASED ON MAXIMUM RIM PULL OF 100 POUNDS.

For full-port valves use one size larger.

### Parts Identification and Materials of Construction

Item	Description	Material
1	Input Shaft Seal	Buna-N
2	Housing	Gray Iron
3	Thrust Bearing	Glass TFE Filled Nylon
4	Thrust Washer	Hardened Steel Rc 58
5	Shaft Bore Plug	Steel
6	Worm Gear	Steel
7	Worm Roll Pin	Steel
8	Segment Gear	Ductile Iron
9	Indicator Cap	Nylon
10	Cover Bolt	Steel
11	Stop Adjustment Screw	Steel
12	Stop Adjustment Nut	Steel
13	Cover	Gray Iron
14	Cover Gasket	Veg. Plant Fiber
15	Segment O-ring	Buna-N
16	Input Shaft	Steel
17	Handwheel	Aluminum or Steel
18	Pin	Steel
19*	Spur Gear	Steel

\*Not shown – used on G50 & G16 type gears only.



### Dimensions and Weights

Gear No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	Approx. Weight lb.
G58	4.25	6.12	5.25	6.31	4.50	2.41	.625	2.94	1.56	1.131/1.128	3.62	8.0	.250	3/8-16	4	1.251/1.241	3.25	11
G1112	5.88	6.88	9.00	11.31	6.00	2.41	.750	3.00	1.62	1.131/1.128	3.62	12.0	.250	3/8-16	4	1.251/1.241	4.25	18
G1118	5.88	6.88	9.00	11.31	6.00	2.41	.750	3.00	1.62	1.131/1.128	3.62	18.0	.250	3/8-16	4	1.251/1.241	4.25	19
G1812	6.25	8.19	10.0	12.50	7.00	3.23	.750	3.75	1.88	2.006/2.003	4.69	12.0	.500	1/2-13	4	2.233/2.223	5.00	28
G1818	6.25	8.19	10.0	12.50	7.00	3.23	.750	3.75	1.88	2.006/2.003	4.69	18.0	.500	1/2-13	4	2.233/2.223	5.00	29
G2412	7.25	9.81	10.0	12.31	8.50	4.06	.875	4.88	2.50	2.006/2.003	5.56	12.0	.500	3/4-10	4	2.233/2.223	6.50	45
G2418	7.25	9.81	10.0	12.31	8.50	4.06	.875	4.88	2.50	2.006/2.003	5.56	18.0	.500	3/4-10	4	2.233/2.223	6.50	46
G3018	8.75	11.88	10.0	12.00	10.0	4.81	1.00	4.88	2.50	2.256/2.253	6.62	18.0	.500	3/4-10	4	2.487/2.477	6.50	61
G3024	8.75	11.88	10.0	12.00	10.0	4.81	1.00	4.88	2.50	2.256/2.253	6.62	24.0	.500	3/4-10	4	2.487/2.477	6.50	72
G5012	8.75	12.12	15.0	17.00	9.75	5.25	1.00	5.62	2.56	3.510/3.505	6.50	12.0	.875	3/4-10	4	3.897/3.887	7.75	87
G5018	8.75	12.12	15.0	16.69	9.75	5.25	1.00	5.62	2.56	3.510/3.505	6.50	18.0	.875	3/4-10	4	3.897/3.887	7.75	88
G5024	8.75	12.12	15.0	16.82	9.75	5.25	1.00	5.62	2.56	3.510/3.505	6.50	24.0	.875	3/4-10	4	3.897/3.887	7.75	99
G1612	10.25	15.50	15.0	16.12	14.0	8.75	1.00	7.50	3.50	4.260/4.255	9.12	12.0	1.00	3/4-10	8	4.705/4.695	12.50	182
G1618	10.25	15.50	15.0	15.81	14.0	8.75	1.00	7.50	3.50	4.260/4.255	9.12	18.0	1.00	3/4-10	8	4.705/4.695	12.50	183

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