



## F1-CS & SS Series Unibody Flanged Carbon & Stainless Steel Ball Valves

### Operating Torque Table-TFM 4103 Seats Reduced Port/Bore Size

#### CLASS 150

SIZE	BREAK	RUN @ 75PSID	RUN @ 150PSID	RUN @ 200PSID	RUN @ 285PSID	RESEAT @ 285PSID
1/2"	90 in-lb	60 in-lb	60 in-lb	60 in-lb	60 in-lb	70 in-lb
3/4"	120 in-lb	60 in-lb	65 in-lb	65 in-lb	75 in-lb	80 in-lb
1"	140 in-lb	90 in-lb	90 in-lb	100 in-lb	100 in-lb	110 in-lb
1-1/2"	250 in-lb	110 in-lb	110 in-lb	120 in-lb	110 in-lb	140 in-lb
2"	400 in-lb	140 in-lb	140 in-lb	150 in-lb	140 in-lb	200 in-lb
2-1/2"	475 in-lb	160 in-lb	150 in-lb	150 in-lb	140 in-lb	220 in-lb
3"	550 in-lb	180 in-lb	180 in-lb	180 in-lb	150 in-lb	250 in-lb
4"	1400 in-lb	400 in-lb	400 in-lb	400 in-lb	380 in-lb	700 in-lb
6"	1920 in-lb	440 in-lb	400 in-lb	350 in-lb	330 in-lb	1400 in-lb

#### CLASS 300

SIZE	BREAK	RUN @ 150PSID	RUN @ 300PSID	RUN @ 450PSID	RUN @ 740PSID	RESEAT @ 740PSID
1/2"	90 in-lb	60 in-lb	60 in-lb	60 in-lb	60 in-lb	80 in-lb
3/4"	120 in-lb	65 in-lb	75 in-lb	80 in-lb	80 in-lb	100 in-lb
1"	140 in-lb	90 in-lb	100 in-lb	100 in-lb	100 in-lb	120 in-lb
1-1/2"	250 in-lb	110 in-lb	110 in-lb	100 in-lb	100 in-lb	150 in-lb
2"	400 in-lb	140 in-lb	135 in-lb	130 in-lb	120 in-lb	250 in-lb
3"	550 in-lb	180 in-lb	150 in-lb	130 in-lb	120 in-lb	420 in-lb
4"	1400 in-lb	400 in-lb	380 in-lb	360 in-lb	340 in-lb	900 in-lb
6"	1920 in-lb	440 in-lb	330 in-lb	300 in-lb	250 in-lb	1850 in-lb