



F2-CS & SS Series Full Port Flanged Carbon & Stainless Steel Ball Valves

Operating Torque Table-TFM 4105 Seats Full Port/Bore Size

CLASS 150

SIZE	BREAK	RUN @ 75PSID	RUN @ 150PSID	RUN @ 200PSID	RUN @ 285PSID	RESEAT @ 285PSID
1"	200 in-lb	100 in-lb	120 in-lb	120 in-lb	120 in-lb	170 in-lb
1-1/2"	275 in-lb	130 in-lb	130 in-lb	130 in-lb	130 in-lb	190 in-lb
2"	400 in-lb	200 in-lb	200 in-lb	200 in-lb	185 in-lb	340 in-lb
2-1/2"	750 in-lb	400 in-lb	400 in-lb	380 in-lb	360 in-lb	700 in-lb
3"	1150 in-lb	600 in-lb	580 in-lb	560 in-lb	560 in-lb	1000 in-lb
4"	2300 in-lb	1500 in-lb	1500 in-lb	1400 in-lb	1400 in-lb	2100 in-lb
6"	5000 in-lb	2700 in-lb	2500 in-lb	2400 in-lb	2200 in-lb	4800 in-lb
8"	9000 in-lb	4000 in-lb	3700 in-lb	3500 in-lb	3000 in-lb	8000 in-lb
10"	13,000 in-lb	4800 in-lb	4800 in-lb	4800 in-lb	4600 in-lb	10,800 in-lb

CLASS 300

SIZE	BREAK	RUN @ 150PSID	RUN @ 300PSID	RUN @ 450PSID	RUN @ 740PSID	RESEAT @ 740PSID
1"	200 in-lb	120 in-lb	120 in-lb	120 in-lb	120 in-lb	180 in-lb
1-1/2"	275 in-lb	130 in-lb	130 in-lb	120 in-lb	100 in-lb	275 in-lb
2"	400 in-lb	200 in-lb	185 in-lb	175 in-lb	130 in-lb	390 in-lb
3"	1150 in-lb	580 in-lb	560 in-lb	500 in-lb	500 in-lb	1100 in-lb
4"	2300 in-lb	1500 in-lb	1400 in-lb	1400 in-lb	1370 in-lb	2100 in-lb
6"	5000 in-lb	2500 in-lb	2200 in-lb	2300 in-lb	2400 in-lb	4800 in-lb
8"	9000 in-lb	3700 in-lb	3000 in-lb	3000 in-lb	3000 in-lb	8800 in-lb

CLASS 600

SIZE	BREAK	RUN @ 250PSID	RUN @ 500PSID	RUN @ 700PSID	RUN @ 1200PSID	RESEAT @ 1480PSID
1"	300 in-lb	120 in-lb	120 in-lb	120 in-lb	120 in-lb	300 in-lb
1-1/2"	450 in-lb	130 in-lb	120 in-lb	100 in-lb	100 in-lb	450 in-lb
2"	600 in-lb	185 in-lb	175 in-lb	130 in-lb	130 in-lb	600 in-lb
3"	1500 in-lb	560 in-lb	500 in-lb	500 in-lb	500 in-lb	1500 in-lb
4"	4800 in-lb	1200 in-lb	1350 in-lb	1370 in-lb	1370 in-lb	4800 in-lb
6x4"	4800 in-lb	1200 in-lb	1350 in-lb	1370 in-lb	1370 in-lb	4800 in-lb