

# OPERATOR SIZING REQUIREMENTS

3" - 4" CLASSES 600 - 900

6" - 30" CLASSES 300 - 900

SIZE	CLASS	ANSI WORKING PRESSURE		STEM THREAD			RECOMMENDED OPERATING THRUST		RECOMMENDED OPERATING TORQUE		MAXIMUM ALLOWABLE THRUST		MAXIMUM ALLOWABLE TORQUE		TOTAL STEM TRAVEL		TURNS TO OPEN
		psi	Kg/cm <sup>2</sup>	SIZE	PITCH	LEAD	Lb	Kgs	Ft-Lb	N-M	Lb	Kgs	Ft-Lb	N-M	in	mm	
3	600	1,500	105	1.000	0.200	0.200	4,064	1,843	31	42	19,944	9,045	153	207	4.03	102.3	20
	900	2,250	158				6,097	2,765	47	63							
4	600	1,500	105	1.250	0.250	0.250	6,612	2,999	63	86	31,868	14,453	305	413	4.88	124	19.5
	900	2,250	158				9,918	4,498	95	129							
6	300	750	53				6,400	2,902	73	99							
	600	1,500	105	1.500	0.286	0.286	12,800	5,805	146	197	48,000	21,769	546	740	7.06	179.3	25
900	2,250	158					19,199	8,707	218	296							
	300	750	53				10,994	4,986	161	219							
8	600	1,500	105	2.000	0.333	0.333	21,987	9,972	322	437	94,177	42,711	1,380	1,872	9.25	235	28
	900	2,250	158				32,981	14,957	483	656							
300	750	53					16,126	7,313	259	351							
	600	1,500	105	2.250	0.333	0.333	32,251	14,626	517	702	127,226	57,699	2,041	2,767	11.38	289	34
900	2,250	158					48,377	21,940	776	1,052							
	300	750	53				21,574	9,784	346	469							
600	1,500	105	2.250	0.333	0.333	43,152	19,570	692	939	127,226	57,699	2,041	2,767	13.31	338	40	
	900	2,250	158				64,723	29,353	1,038	1,408							
300	750	53					32,444	14,714	566	767							
	600	1,500	105	2.500	0.333	0.333	64,887	29,427	1,131	1,534	168,876	76,588	2,944	3,992	16.63	422.4	50
900	2,250	158					97,331	44,141	1,697	2,301							
	300	750	53				50,698	22,992	1,027	1,392							
600	1,500	105	2.875	0.400	0.400	101,396	45,984	2,053	2,784	220,220	99,873	4,460	6,047	22.00	559	55	
	900	2,250	158				152,094	68,977	3,080	4,177							
300	750	53	2.63	0.333	0.666	30,369	13,775	690	935	175,865	79,771	3,994	5,415	28.13	715	42	
	600	1,500	105			151,845	68,876	3,449	4,676								
300	750	53	3.13	0.400	0.800	112,888	51,205	3,063	4,153	250,000	113,400	6,800	9,220	32.88	835	41	
	600	1,500	105			225,775	102,410	6,126	8,306								

- NOTES:
1. RECOMMENDED OPERATING THRUST AND TORQUE VALUES ARE THE LOADS REQUIRED TO OPEN AND CLOSE THE VALVE. THESE TORQUES DO NOT CONTAIN SERVICE OR SAFETY FACTORS.
  2. RECOMMENDED OPERATING TORQUE AND THRUST VALUES ARE BASED ON MAXIMUM WORKING PRESSURE AT AMBIENT TEMPERATURE. TO OBTAIN EXPECTED TORQUES AT LOWER TEMPERATURES, CONTACT YOUR DANIEL REPRESENTATIVE.
  3. ACTUATOR SELECTION SHOULD BE MADE BASED ON EXPERIENCE AND APPROPRIATE SERVICE/SAFETY FACTORS.
  4. MAXIMUM ALLOWABLE THRUST AND TORQUE VALUES ARE THE MAXIMUM ALLOWABLE LOADS OF THE VALVE.
  5. FOR SIZES/CLASSES NOT LISTED, CONTACT YOUR DANIEL REPRESENTATIVE.