



PNEUMATIC TORQUE OUTPUT & OPERATION INFORMATION

ABZ80 - ABZ1750

SPRING RETURN TORQUE (in. lbs.)

MODEL	SPRINGS/ SIDE (5 STD.)	SPRING TORQUE		AIR SUPPLY							
		END	BREAK	40 psi		60 psi		80 psi		100 psi	
				END	BREAK	END	BREAK	END	BREAK	END	BREAK
80SR	2	86	160	185	259	358	432				
	3	128	245	101	218	273	390	447	564		
	4	170	330			188	348	362	522	536	696
	5	215	410			109	304	282	477	455	651
	6	260	490					202	432	375	605
130SR	2	120	226	233	339	473	579				
	3	185	343	117	275	356	514	586	744		
	4	250	460			239	449	469	679	720	930
	5	315	573			127	385	357	614	607	864
	6	380	685					244	549	494	799
200SR	2	168	310	339	481	669	811				
	3	252	460	190	398	519	727	849	1057		
	4	336	610			369	643	699	973	1030	1304
	5	420	760			220	560	549	889	879	1219
	6	504	910					399	805	729	1135
300SR	2	350	644	745	1039	1445	1739				
	3	525	962	428	865	1127	1564	1827	2264		
	4	700	1280			809	1389	1509	2089	2200	2780
	5	880	1605			485	1210	1184	1909	1874	2599
	6	1060	1930					859	1729	1549	2419
500SR	2	530	920	1109	1499	2129	2519				
	3	795	1380	650	1235	1669	2254	2679	3264		
	4	1060	1840			1209	1989	2219	2999	3231	4010
	5	1325	2300			750	1725	1759	2734	2769	3744
	6	1590	2760					1299	2469	2309	3479
850SR	2	740	1230	1499	1989	2929	3419				
	3	1100	1835	1095	1830	2324	3059	3644	4379		
	4	1460	2440			1719	2699	3039	4019	4320	4300
	5	1815	3050			1110	2345	2429	3664	3709	4944
	6	2170	3660					1819	3309	3099	4589
1200SR	2	1050	1820	2029	2799	4189	4959				
	3	1575	2730	1120	2275	3279	4434	5169	6324		
	4	2100	3640			2369	3909	4259	5799	6140	7680
	5	2625	4550			1460	3385	3349	5274	5169	7094
	6	3150	5460					2439	4749	4259	6569
1750SR	2	1390	2430	3049	4089	6124	7164				
	3	2085	3645	1835	3395	4909	6469	7664	9224		
	4	2780	4860			3694	5774	6449	8529	9100	11180
	5	3475	6075			2480	5080	5234	7834	7884	10484
	6	4170	7290					4019	7139	6669	9789



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ABZ40 - ABZ1750

DOUBLE ACTING TORQUE (in. lbs.)

MODEL	AIR SUPPLY				
	40 psi	60 psi	80 psi	100 psi	120 psi
40DA	164	245	327	409	491
80DA	352	528	703	879	1055
130DA	527	791	1054	1318	1581
200DA	716	1073	1431	1789	2147
300DA	1217	1825	2434	3042	3651
500DA	1749	2624	3498	4373	5247
850DA	3282	4923	6565	8206	9847
1200DA	4510	6765	9020	11275	13530
1750DA	5729	8586	11448	14311	17173

NOTE: Torques are actual. Please be sure to include appropriate safety factors and all service condition variables when sizing.

3-way (master slave) assemblies should use a 35% safety factor. Call factory for assistance.

Valves 14" and larger or actuators 1750 and larger will require a mounting bracket.

WEIGHT (lbs.)

Model	Weight
40DA	5
80DA	7
130DA	11
200DA	14
300DA	22
500DA	29
850DA	57
1200DA	79
1750DA	104
2500DA	98
3500DA	125
40SR	6
80SR	11
130SR	14
200SR	18
300SR	29
500SR	39
850SR	69
1200SR	101
1750SR	134
2500SR	137
3500SR	195

ABZ2500 – ABZ3500

DOUBLE ACTING TORQUE

(in. lbs.)

ABZ 2500DA

	0°	40°	90°
60 psi	13627	7858	9196
80 psi	18734	8276	12456
100psi	24411	10366	15382

ABZ 3500DA

	0°	40°	90°
60 psi	26919	12791	18141
80 psi	35864	17054	24160
100psi	45060	21318	30196

NOTE: ABZ2500 and ABZ3500 are scotch yoke design.

SPRING RETURN TORQUE

(in. lbs.)

ABZ 2500SR

	AIR BREAK	RUN	AIR END	SPRING BREAK	RUN	SPRING END
	0°	60°	90°	90°	30°	0°
60 psi	6890	2852	4039	7224	2974	4241
80 psi	9152	3784	5368	9592	3960	5632
100 psi	11510	4744	6758	12038	4972	7066

ABZ 3500SR

	AIR BREAK	RUN	AIR END	SPRING BREAK	RUN	SPRING END
	0°	60°	90°	90°	30°	0°
60 psi	13780	5702	8078	14449	5948	8483
80 psi	18304	7568	10736	19184	7920	11264
100psi	22968	9486	13464	24076	11264	14132