



PNEUMATIC ACTUATOR SPRING RETURN

Fail Clockwise
inch pounds

PUBLISHED TORQUES																	
MODEL	SET	Spring torque (inch pounds) Fail CW CLOSE		Affective Date is JUNE 1, 2009										Weight		Volume cubic inches	
				0-degrees is FULL clockwise (close) / 90-degrees is FULL counter-clockwise (open)													
				40-psi		60-psi		80-psi		100-psi		115-psi		LBS	Kg	CW	CCW
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°				
ABZ-50SR	3/3	33	48	44	29	83	67							3.1	1.4	7.9	6.2
	4/4	46	66			70	50	109	89	148	128						
	5/5	56	82					98	72	136	111	166	141				
	6/6	68	99					86	56	124	94	154	124				
ABZ-63SR	3/3	59	85	80	49	148	118							3.7	1.7	16.0	10.8
	4/4	76	114			129	89	198	158	266	226						
	5/5	93	142					180	129	248	198	299	249				
	6/6	112	170					161	101	230	169	281	220				
ABZ-75SR	3/3	112	175	158	95	294	231							7.0	3.2	29.5	21.2
	4/4	149	233			256	172	391	307	526	442						
	5/5	186	291					354	249	488	383	590	485				
	6/6	223	349					316	190	451	325	552	427				
ABZ-88SR	3/3	185	292	239	133	451	345							10.4	4.7	45.8	35.9
	4/4	246	389			390	248	602	461	815	670						
	5/5	309	486					542	364	752	575	912	734				
	6/6	370	583					480	267	691	478	850	637				
ABZ-100SR	3/3	256	398	361	219	670	528							14.1	6.4	65.0	50.0
	4/4	340	530			584	395	884	697	1201	1012						
	5/5	427	662					801	566	1115	880	1347	1111				
	6/6	511	794					715	434	1031	748	1263	979				
ABZ-115SR	3/3	413	661	582	335	1081	834							21.1	9.6	105.0	79.8
	4/4	551	883			942	613	1441	1112	1939	1609						
	5/5	690	1101					1303	891	1802	1390	2176	1764				
	6/6	827	1320					1165	670	1663	1169	2038	1544				
ABZ-125SR	3/3	530	831	754	454	1395	1093							25.3	11.5	137.9	103.7
	4/4	706	1110			1219	818	1859	1458	2499	2099						
	5/5	883	1387					1684	1183	2324	1823	2804	2303				
	6/6	1059	1664					1509	907	2149	1548	2630	2028				
ABZ-145SR	3/3	832	1302	1185	718	2195	1728							37.4	17.0	224.5	165.8
	4/4	1110	1732			1916	1294	2926	2304	3936	3314						
	5/5	1387	2169					2648	1871	3658	2880	4416	3638				
	6/6	1664	2597					2369	1436	3380	2447	4137	3204				
ABZ-160SR	3/3	1134	1673	1496	951	2812	2268							54.0	24.5	288.8	213.7
	4/4	1513	2236			2433	1706	3749	3023	5065	4339						
	5/5	1883	2791					3371	2462	4687	3779	5673	4766				
	6/6	2261	3354					2992	1902	4308	3219	5295	4206				
ABZ-180SR	3/3	1597	2387	1958	1164	3733	2937							70.5	32.0	420.0	279.4
	4/4	2127	3186			3202	2142	4976	3916	6750	5691						
	5/5	2660	3985					4446	3122	6220	4896	7551	6226				
	6/6	3186	4775					3916	2327	5691	4101	7021	5432				
ABZ-210SR	3/3	2143	3178	2790	1756	5257	4224							94.3	42.8	569.6	382.0
	4/4	2858	4237			4542	3164	7009	5631	9476	8098						
	5/5	3573	5296					6295	4571	8762	7039	10612	8889				
	6/6	4287	6356					5579	3511	8048	5979	9898	7830				
MODEL	SET	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	LBS	Kg	CW	CCW

Air Consumption (scf per 90 Deg) = (Volume/1728) x (Supply Pressure +14.7)/14.7