



PNEUMATIC ACTUATOR SPRING RETURN

Fail Counter-Clockwise

inch pounds

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

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