

Part Number	Top/ Bottom (Beehive)	Single, Dual, Triple or Beehive	Damper	OUTER O.D.		OUTER I.D.		INNER I.D.		Closed Pressure		Closed Height		Open Pressure		Open Height		Coil bind	
				mm	inches	mm	inches	mm	inches	kg	lb	mm	inches	kg	lb	mm	inches	mm	inches
KVS51-B		S	N	20.30	0.799	14.00	0.551			27	60	36.00	1.417	60	133	26.00	1.024	22.50	0.886
912		S	N	22.76	0.896	15.24	0.600			23	50	49.53	1.950	77	170	36.83	1.450	34.54	1.360
KVS101-16		S	N	23.35	0.919	16.40	0.646			25	55	34.00	1.339	63	138	24.00	0.945	22.00	0.866
KVS11		S	N	24.50	0.965	17.00	0.669			39	85	35.00	1.378	80	177	25.00	0.984	22.00	0.866
KVS100-K-16		S	N	24.50	0.965	17.00	0.669			38	84	41.00	1.614	80	177	31.00	1.220	28.00	1.102
KVS1UZ		S	N	25.10	0.988	18.10	0.713			36	80	33.00	1.299	75	166	23.00	0.906	20.50	0.807
KVS109-16		S	N	27.70	1.091	20.00	0.787			33	73	33.00	1.299	75	165	23.00	0.906	20.00	0.787
KVS109-24		S	N	27.70	1.091	20.00	0.787			33	73	33.00	1.299	75	165	23.00	0.906	20.00	0.787
KVS25R		S	N	27.70	1.091	20.00	0.787			33	73	33.00	1.299	75	165	23.00	0.906	20.00	0.787
KVS109-3S		S	N	27.70	1.091	20.00	0.787			33	73	35.50	1.398	75	165	25.50	1.004	22.50	0.886
KVS109-STI		S	N	27.70	1.091	20.00	0.787			33	73	36.50	1.437	75	165	26.50	1.043	23.50	0.925
KVS63		S	N	28.00	1.102	19.70	0.776			43	94	39.00	1.535	96	212	28.00	1.102	24.50	0.965
KVS401		S	N	28.14	1.108	20.80	0.819			34	75	32.00	1.260	82	180	20.00	0.787	18.00	0.709
KVS15		S	N	28.30	1.114	20.00	0.787			37	82	40.00	1.575	85	186	29.00	1.142	24.00	0.945
909		S	N	29.44	1.159	21.21	0.835			34	75	39.37	1.550	89	195	26.67	1.050	23.29	0.917
KVS4K		S	N	29.65	1.167	21.80	0.858			41	90	38.00	1.496	95	210	26.00	1.024	25.50	1.004
KVS14		S	N	29.65	1.167	21.80	0.858			34	75	40.00	1.575	85	187	28.00	1.102	25.50	1.004
KVS93		S	N	29.65	1.167	21.80	0.858			34	75	40.00	1.575	85	187	28.00	1.102	25.50	1.004
980		S	Y	31.24	1.230	22.25	0.876			42	92	43.18	1.700	105	230	31.75	1.250	29.21	1.150
981		S	Y	31.85	1.254	22.35	0.880			48	105	43.18	1.700	124	273	31.75	1.250	29.21	1.150
941		S	Y	31.88	1.255	22.12	0.871			59	130	44.45	1.750	159	350	31.75	1.250	27.94	1.100
983		S		32.00	1.260	21.23	0.836			48	105	43.18	1.700	141	310	30.48	1.200	29.21	1.150
KVS4843		S	Y	32.10	1.264	22.00	0.866			50	110	44.00	1.732	141	310	31.00	1.220	29.50	1.161
910		S	Y	34.39	1.354	23.88	0.940			42	92	46.99	1.850	136	300	34.29	1.350	32.51	1.280
902		S	N	34.42	1.355	25.40	1.000			22	48	40.64	1.600	66	146	31.75	1.250	28.58	1.125
906		S	N	34.42	1.355	25.68	1.011			28	61	40.64	1.600	62	137	31.75	1.250	26.77	1.054
961		S	Y	35.31	1.390	25.15	0.990			35	77	45.72	1.800	106	234	33.02	1.300	32.00	1.260
903		S	N	35.56	1.400	25.78	1.015			36	80	43.18	1.700	96	212	31.75	1.250	28.58	1.125
970		S	N	35.71	1.406	25.91	1.020			36	80	43.18	1.700	82	180	33.02	1.300	30.56	1.203
984		S	Y	36.32	1.430	27.18	1.070			48	105	44.45	1.750	98	215	31.75	1.250	29.21	1.150
942		S	Y	36.50	1.437	26.39	1.039			52	115	43.18	1.700	129	284	30.48	1.200	28.58	1.125
990		S	Y	36.50	1.437	27.25	1.073			51	113	38.10	1.500	94	207	29.21	1.150	24.13	0.950
972		S	Y	37.08	1.460	26.92	1.060			56	124	45.72	1.800	133	293	31.75	1.250	30.35	1.195
940		S	Y	37.19	1.464	27.43	1.080			42	93	48.26	1.900	108	237	33.02	1.300	30.48	1.200
926		S	Y	37.49	1.476	26.97	1.062			50	109	45.72	1.800	144	317	33.02	1.300	28.96	1.140
901		S	Y	37.95	1.494	27.43	1.080			46	101	41.91	1.650	110	242	31.75	1.250	27.94	1.100
920		S	Y	38.33	1.509	28.58	1.125			62	137	44.45	1.750	119	262	31.75	1.250	29.85	1.175
911		S	Y	38.71	1.524	28.19	1.110			55	122	48.26	1.900	140	309	35.56	1.400	30.48	1.200
936		S	Y	39.09	1.539	28.58	1.125			68	149	48.26	1.900	149	328	34.29	1.350	#VALUE!	



Part Number	Top/ Bottom (Beehive)	Single, Dual, Triple or Beehive	Damper	OUTER O.D.		OUTER I.D.		INNER I.D.		Closed Pressure		Closed Height		Open Pressure		Open Height		Coil bind	
				mm	inches	mm	inches	mm	inches	kg	lb	mm	inches	kg	lb	mm	inches	mm	inches
KVS402		D	N	28.18	1.109	20.80	0.819	16.50	0.650	37	82	32.00	1.260	94	207	20.00	0.787	17.00	0.669
KVS402NP		D	N	28.30	1.114	21.00	0.827	16.50	0.650	42	92	32.00	1.260	98	215	20.00	0.787	17.50	0.689
KVS22		D	N	29.20	1.150	21.50	0.846	15.50	0.610	39	86	37.00	1.457	118	260	25.00	0.984	21.00	0.827
KVS14D		D	N	29.65	1.167	21.80	0.858	16.60	0.654	45	98	40.00	1.575	117	258	28.00	1.102	25.50	1.004
KVS18		D	N	30.00	1.181	22.10	0.870	16.90	0.665	39	85	34.00	1.339	102	225	22.00	0.866	18.50	0.728
KVS4438		D	N	33.00	1.299	24.00	0.945	17.20	0.677	70	155	46.00	1.811	175	384	30.00	1.181	28.00	1.102
26921		D	N	33.02	1.300	22.73	0.895	16.64	0.655	61	135	44.96	1.770	182	400	28.45	1.120	26.42	1.040
KVS4200		D	N	34.00	1.339	25.10	0.988	17.90	0.705	44	96	40.00	1.575	118	260	28.00	1.102	22.00	0.866
988		D	N	35.15	1.384	26.92	1.060	20.42	0.804	53	117	40.64	1.600	105	232	27.94	1.100	25.40	1.000
985		D	Y	36.32	1.430	27.18	1.070	17.78	0.700	75	165	44.45	1.750	157	346	31.75	1.250	29.21	1.150
986		D	Y	36.32	1.430	27.18	1.070	17.70	0.697	60	132	44.45	1.750	133	293	31.75	1.250	29.21	1.150
987		D	Y	36.32	1.430	27.18	1.070	17.70	0.697	55	121	45.72	1.800	156	343	30.48	1.200	29.21	1.150
994		D	Y	36.50	1.437	27.25	1.073	17.70	0.697	55	121	43.18	1.700	153	337	29.21	1.150	25.91	1.020
995		D	Y	36.50	1.437	27.25	1.073	17.70	0.697	59	130	43.18	1.700	169	372	29.21	1.150	26.67	1.050
977		D	Y	37.08	1.460	26.92	1.060	17.78	0.700	70	155	46.99	1.850	191	420	31.75	1.250	30.35	1.195
978		D	Y	37.08	1.460	26.92	1.060	17.70	0.697	58	127	46.99	1.850	168	369	31.75	1.250	30.35	1.195
950		D	Y	37.19	1.464	27.43	1.080	18.39	0.724	60	133	48.26	1.900	151	332	33.02	1.300	30.48	1.200
914		D	N	37.82	1.489	28.07	1.105	20.80	0.819	75	165	45.72	1.800	175	385	30.48	1.200	28.19	1.110
PAC-1355		D		38.10	1.500	26.67	1.050			191	420	55.25	2.175	545	1200	29.85	1.175	28.70	1.130
PAC-1356		D		38.10	1.500	26.67	1.050			136	300	53.34	2.100	455	1002	30.48	1.200	28.70	1.130
PAC-1357		D		38.10	1.500	26.67	1.050			170	375	54.61	2.150	507	1116	30.48	1.200	28.70	1.130
924		D	Y	38.33	1.509	28.58	1.125	17.70	0.697	51	112	48.26	1.900	161	355	30.48	1.200	29.85	1.175
925		D	Y	38.33	1.509	28.58	1.125	17.70	0.697	50	111	48.26	1.900	176	388	30.48	1.200	29.85	1.175
PAC-1359		D		38.66	1.522	26.67	1.050			170	375	55.88	2.200	545	1200	33.02	1.300	30.23	1.190
PAC-1360		D		38.66	1.522	26.67	1.050			182	400	57.15	2.250	569	1252	33.02	1.300	30.23	1.190
954		D	Y	38.74	1.525	28.22	1.111	19.33	0.761	95	210	48.26	1.900	238	523	31.75	1.250	29.72	1.170
993		D	N	38.74	1.525	27.97	1.101	20.04	0.789	89	195	45.72	1.800	255	560	29.85	1.175	28.96	1.140
929		D	Y	38.99	1.535	28.83	1.135	19.15	0.754	67	148	47.75	1.880	196	432	31.24	1.230	29.46	1.160
953		D	Y	38.99	1.535	28.83	1.135	19.02	0.749	67	148	48.26	1.900	207	456	31.75	1.250	27.56	1.085
26097		D	Y	39.09	1.539	28.58	1.125	18.57	0.731	89	195	50.80	2.000	256	563	31.75	1.250	28.83	1.135
26112		D	Y	39.09	1.539	28.85	1.136	18.85	0.742	66	146	45.72	1.800	214	470	29.85	1.175	27.58	1.086
927		D	Y	39.09	1.539	28.58	1.125	18.57	0.731	90	197	49.53	1.950	248	545	31.75	1.250	29.85	1.175
938		D	Y	39.09	1.539	28.58	1.125	18.57	0.731	93	204	48.26	1.900	235	516	31.75	1.250	31.12	1.225
939		D	Y	39.09	1.539	28.58	1.125	17.70	0.697	63	138	49.53	1.950	190	419	34.29	1.350	31.12	1.225
919		D	N	39.12	1.540	28.60	1.126	20.68	0.814	88	194	49.53	1.950	263	579	31.75	1.250	27.94	1.100
26115		D	N	39.34	1.549	28.58	1.125	18.26	0.719	104	228	52.07	2.050	289	636	33.02	1.300	30.28	1.192
PAC-1225		D		39.37	1.550	27.94	1.100			114	250	50.80	2.000	348	765	30.48	1.200	29.21	1.150
PAC-1226		D		39.37	1.550	27.94	1.100			125	275	50.80	2.000	366	805	30.48	1.200	29.21	1.150
PAC-1325		D		39.37	1.550	27.94	1.100			114	250	50.80	2.000	348	765	30.48	1.200	29.21	1.150
PAC-1326		D		39.37	1.550	27.94	1.100			125	275	50.80	2.000	366	805	30.48	1.200	29.21	1.150
PAC-1354		D		39.37	1.550	26.67	1.050			193	425	58.42	2.300	655	1440	33.02	1.300	31.24	1.230
26089		D	N	39.37	1.550	28.85	1.136	20.62	0.812	105	230	50.80	2.000	264	580	33.02	1.300	31.24	1.230
26094		D	Y	39.37	1.550	28.85	1.136	19.10	0.752	80	176	48.26	1.900	205	451	32.39	1.275	30.48	1.200



Part Number	Top/ Bottom (Beehive)	Single, Dual, Triple or Beehive	Damper	OUTER O.D.		OUTER I.D.		INNER I.D.		Closed Pressure		Closed Height		Open Pressure		Open Height		Coil bind	
				mm	inches	mm	inches	mm	inches	kg	lb	mm	inches	kg	lb	mm	inches	mm	inches
916		D	N	39.37	1.550	29.62	1.166	22.76	0.896	91	200	43.18	1.700	215	474	25.40	1.000	22.86	0.900
917		D	N	39.37	1.550	28.85	1.136	20.93	0.824	91	200	45.72	1.800	271	596	27.94	1.100	26.67	1.050
928		D	Y	39.37	1.550	29.21	1.150	20.19	0.795	73	160	47.75	1.880	174	383	31.75	1.250	29.46	1.160
930		D	Y	39.37	1.550	29.21	1.150	20.19	0.795	70	153	48.26	1.900	174	383	31.75	1.250	29.46	1.160
933		D	Y	39.37	1.550	28.85	1.136	18.54	0.730	77	170	49.53	1.950	222	489	33.02	1.300	30.48	1.200
943		D	N	39.37	1.550	28.85	1.136	20.62	0.812	109	240	48.26	1.900	272	598	31.75	1.250	29.21	1.150
955		D	N	39.37	1.550	28.85	1.136	20.62	0.812	109	240	50.80	2.000	276	608	33.02	1.300	31.24	1.230
999		D	Y	39.37	1.550	28.30	1.114	18.39	0.724	89	196	48.26	1.900	305	671	29.21	1.150	27.69	1.090
935		D	Y	39.47	1.554	28.96	1.140	18.95	0.746	88	194	49.53	1.950	238	524	31.75	1.250	29.97	1.180
932		D	Y	39.55	1.557	29.03	1.143	19.02	0.749	89	196	50.80	2.000	233	513	33.02	1.300	29.46	1.160
26075		D	Y	39.60	1.559	28.83	1.135	18.82	0.741	92	203	50.80	2.000	256	564	31.75	1.250	30.23	1.190
KVS943-8		D	N	39.60	1.559	28.70	1.130	20.50	0.807	114	250	49.50	1.949	282	620	32.00	1.260	30.00	1.181
944		D	N	39.88	1.570	28.45	1.120	20.22	0.796	86	190	49.53	1.950	340	747	30.48	1.200	27.94	1.100
26091		D	N	40.61	1.599	29.85	1.175	19.10	0.752	123	270	50.80	2.000	290	638	31.75	1.250	29.97	1.180
951		D	N	41.15	1.620	29.72	1.170	21.49	0.846	105	230	49.53	1.950	323	710	30.48	1.200	27.94	1.100
PAC-1224		D		41.28	1.625	29.85	1.175			125	275	50.80	2.000	368	810	29.21	1.150	27.94	1.100
PAC-1228		D		41.28	1.625	29.85	1.175			127	280	53.34	2.100	385	847	30.48	1.200	27.94	1.100
PAC-1298		D		41.28	1.625	29.85	1.175			114	250	50.80	2.000	295	648	33.02	1.300	30.73	1.210
PAC-1299		D		41.28	1.625	29.85	1.175			114	250	52.07	2.050	306	673	33.02	1.300	30.73	1.210
PAC-1324		D		41.28	1.625	29.85	1.175			125	275	50.80	2.000	368	810	29.21	1.150	27.94	1.100
PAC-1328		D		41.28	1.625	29.85	1.175			127	280	53.34	2.100	385	847	30.48	1.200	27.94	1.100
26099		D	Y	41.28	1.625	29.85	1.175	19.53	0.769	111	245	52.07	2.050	315	693	31.75	1.250	30.07	1.184
996		D	Y	41.28	1.625	29.85	1.175	19.53	0.769	95	209	50.80	2.000	341	750	29.21	1.150	27.94	1.100
998		D	Y	41.28	1.625	29.85	1.175	19.53	0.769	100	220	48.26	1.900	315	694	30.48	1.200	27.69	1.090
991		D	Y	41.63	1.639	30.20	1.189	19.89	0.783	97	214	49.53	1.950	301	662	31.75	1.250	28.58	1.125
959		D	N	41.78	1.645	30.35	1.195	22.12	0.871	107	236	50.80	2.000	305	671	31.75	1.250	28.70	1.130

\*NOTE: All KVS dual valve springs are tested with 3mm shorter inner spring to simulate the retainer step



Part Number	Top/ Bottom (Beehive)	Single, Dual, Triple or Beehive	Damper	OUTER O.D.		OUTER I.D.		INNER I.D.		Closed Pressure		Closed Height		Open Pressure		Open Height		Coil bind	
				mm	inches	mm	inches	mm	inches	kg	lb	mm	inches	kg	lb	mm	inches	mm	inches
PAC-1246		T		41.78	1.645	30.35	1.195			114	250	52.07	2.050	364	801	31.75	1.250	28.70	1.130
PAC-1247		T		41.78	1.645	30.35	1.195			132	290	52.58	2.070	380	835	32.26	1.270	28.70	1.130
PAC-1248		T		41.78	1.645	30.35	1.195			151	332	53.34	2.100	432	950	30.48	1.200	28.70	1.130
PAC-1249		T		41.78	1.645	30.35	1.195			175	385	55.88	2.200	488	1074	30.48	1.200	28.70	1.130
PAC-1250		T		41.78	1.645	30.35	1.195			200	440	55.88	2.200	513	1129	30.48	1.200	28.70	1.130
PAC-1258		T		41.78	1.645	30.35	1.195			159	350	54.61	2.150	456	1004	30.48	1.200	28.70	1.130
PAC-1346		T		41.78	1.645	30.35	1.195			114	250	52.07	2.050	364	801	31.75	1.250	28.70	1.130
PAC-1347		T		41.78	1.645	30.35	1.195			132	290	52.58	2.070	380	835	32.26	1.270	28.70	1.130
PAC-1348		T		41.78	1.645	30.35	1.195			151	332	53.34	2.100	432	950	30.48	1.200	28.70	1.130
PAC-1358		T		41.78	1.645	30.35	1.195			159	350	54.61	2.150	456	1004	30.48	1.200	28.70	1.130
PAC-1349		T		41.78	1.645	30.35	1.195			175	385	55.88	2.200	488	1074	30.48	1.200	28.70	1.130
PAC-1350		T		41.78	1.645	30.35	1.195			200	440	55.88	2.200	513	1129	30.48	1.200	28.70	1.130
26082		T	N	41.78	1.645	30.35	1.195	16.13	0.635	151	332	53.34	2.100	431	949	30.48	1.200	28.70	1.130
946		T		41.78	1.645	30.35	1.195	16.13	0.635	160	353	48.26	1.900	364	800	31.75	1.250	28.70	1.130
947		T		41.78	1.645	30.35	1.195	16.13	0.635	154	338	50.80	2.000	386	849	31.75	1.250	28.70	1.130
948		T		41.78	1.645	30.35	1.195	16.13	0.635	151	332	53.34	2.100	431	949	30.48	1.200	28.70	1.130
PAC-1351		T		42.34	1.667	30.35	1.195			205	450	58.42	2.300	564	1240	31.75	1.250	29.46	1.160
26028		T	N	42.60	1.677	30.35	1.195	16.13	0.635	157	346	55.88	2.200	488	1074	30.48	1.200	29.01	1.142
PAC-1352		T		42.70	1.681	30.35	1.195			218	480	58.42	2.300	598	1315	31.75	1.250	30.23	1.190
PAC-1353		T		43.05	1.695	30.35	1.195			227	500	58.42	2.300	682	1500	30.48	1.200	28.96	1.140
PAC-1362		T		43.82	1.725	31.12	1.225			216	475	58.42	2.300	689	1515	30.48	1.200	28.80	1.134
PAC-1363		T		43.82	1.725	31.12	1.225			239	525	59.69	2.350	711	1565	31.75	1.250	28.80	1.134



Part Number	Top/ Bottom (Beehive)	Single, Dual, Triple or Beehive	Damper	OUTER O.D.		OUTER I.D.		INNER I.D.		Closed Pressure		Closed Height		Open Pressure		Open Height		Coil bind	
				mm	inches	mm	inches	mm	inches	kg	lb	mm	inches	kg	lb	mm	inches	mm	inches
<b>Kelford Cams Beehive Valve Spring Selection</b>																			
KVS63-B & -BT	TOP	B	N	24.00	0.94	14.60	0.575			36.36	80.00	39.00	1.535	97.73	215.00	28.00	1.102	22.50	0.886
	BOTTOM			28.10	1.11	18.70	0.736												
KVS63-BTK	TOP	B	N	24.00	0.94	14.60	0.575			52.27	115.00	39.00	1.535	118.18	260.00	28.00	1.102	25.50	1.004
	BOTTOM			28.10	1.11	18.70	0.736												
KVS79-K	TOP	B	N	24.00	0.94	14.60	0.575			36.36	80.00	39.00	1.535	97.73	215.00	28.00	1.102	22.50	0.886
	BOTTOM			28.10	1.11	18.70	0.736												
KVS2014	TOP	B	N	23.50	0.93	14.80	0.583			36.36	80.00	32.00	1.260	84.55	186.00	20.00	0.787	18.00	0.709
	BOTTOM			30.25	1.19	21.90	0.862												
KVS4915	TOP	B	N	26.60	1.05	16.25	0.640			50.00	110.00	46.00	1.811	142.27	313.00	30.00	1.181	28.00	1.102
	BOTTOM			32.70	1.29	22.25	0.876												
KVS4918	TOP	B	N	26.70	1.05	16.40	0.646			59.09	130.00	46.00	1.811	150.00	330.00	30.00	1.181	27.00	1.063
	BOTTOM			32.90	1.30	22.45	0.884												
KVS1518	TOP	B	N	27.00	1.06	16.60	0.654			60.91	134.00	46.00	1.811	145.45	320.00	30.00	1.181	27.00	1.063
	BOTTOM			32.95	1.30	22.40	0.882												

<b>Comp Cams Beehive Valve Spring Selection</b>																			
26113	TOP	B		24.36	0.959		0.64			42	93	39.88	1.57	90.00	198.00	25.91	1.020	24.18	0.952
	BOTTOM			26.95	1.061	18.75	0.738												
26123	TOP	B		23.95	0.943	14.73	0.580			41	90	37.34	1.470	115	252	24.64	0.970	22.86	0.900
	BOTTOM			28.07	1.105	18.85	0.742												
26981	TOP	B		27.05	1.065	16.51	0.650			50	110	43.18	1.700	133	292	29.85	1.175	28.32	1.115
	BOTTOM			31.50	1.240	20.96	0.825												
982	TOP	B		36.93	1.454	27.18	1.070			45	100	29.85	1.175	128	281	31.75	1.250	28.83	1.135
	BOTTOM			31.75	1.250	22.00	0.866												
26915	TOP	B		26.80	1.055	16.51	0.650			48	105	45.72	1.800	133	293	30.48	1.200	27.94	1.100
	BOTTOM			32.77	1.290	22.48	0.885												
26918	TOP	B		26.80	1.055	16.51	0.650			59	130	45.72	1.800	145	318	30.48	1.200	27.94	1.100
	BOTTOM			32.77	1.290	22.48	0.885												
26986	TOP	B		27.05	1.065	16.51	0.650			56	123	44.45	1.750	129	284	29.85	1.175	26.42	1.040
	BOTTOM			35.86	1.412	25.40	1.000												
26995	TOP	B		27.05	1.065	16.51	0.650			62	137	43.18	1.700	139	305	27.94	1.100	26.42	1.040
	BOTTOM			35.94	1.415	25.40	1.000												
26120	TOP	B		27.81	1.095	16.51	0.650			70	155	47.75	1.880	171	377	32.51	1.280	31.24	1.230
	BOTTOM			36.70	1.445	25.40	1.000												
26055	TOP	B		30.58	1.204	18.57	0.731			68	150	48.90	1.925	186	410	32.39	1.275	31.12	1.225
	BOTTOM			40.26	1.585	28.24	1.112												
26095	TOP	B		30.10	1.185	18.57	0.731			68	150	50.80	2.000	168	370	31.75	1.250	30.23	1.190
	BOTTOM			40.36	1.589	28.83	1.135												



Part Number	Top/ Bottom (Beehive)	Single, Dual, Triple or Beehive	Damper	OUTER O.D.		OUTER I.D.		INNER I.D.		Closed Pressure		Closed Height		Open Pressure		Open Height		Coil bind	
				mm	inches	mm	inches	mm	inches	kg	lb	mm	inches	kg	lb	mm	inches	mm	inches
PAC Beehive Valve Spring Selection																			
PAC-1233	TOP	B		23.62	0.930	14.40	0.567			48	105	42.42	1.670	123	270	28.45	1.120	26.92	1.060
	BOTTOM			26.04	1.025	16.81	0.662												
PAC-1213	TOP	B		24.36	0.959	16.15	0.636			36	80	41.66	1.640	84	185	27.69	1.090	25.91	1.020
	BOTTOM			26.95	1.061	18.75	0.738												
PAC-1214	TOP	B		25.37	0.999	16.15	0.636			45	100	42.67	1.680	120	265	27.43	1.080	25.65	1.010
	BOTTOM			26.95	1.061	17.73	0.698												
PAC-1223	TOP	B		23.95	0.943	14.73	0.580			41	90	37.34	1.470	115	252	24.64	0.970	22.86	0.900
	BOTTOM			28.07	1.105	18.85	0.742												
PAC-1523	TOP	B		23.62	0.930	14.73	0.580			39	85	38.10	1.500	120	263	24.13	0.950	22.35	0.880
	BOTTOM			28.07	1.105	18.85	0.742												
PAC-1235	TOP	B		26.29	1.035	16.00	0.630			61	135	45.72	1.800	159	350	30.48	1.200	29.46	1.160
	BOTTOM			30.73	1.210	20.45	0.805												
PAC-1535	TOP	B		26.29	1.035	16.00	0.630			64	140	45.72	1.800	161	355	30.48	1.200	29.46	1.160
	BOTTOM			30.73	1.210	20.45	0.805												
PAC-1283	TOP	B		27.56	1.085	17.27	0.680			50	110	44.45	1.750	149	328	29.21	1.150	27.43	1.080
	BOTTOM			31.75	1.250	21.46	0.845												
PAC-1409	TOP	B		26.80	1.055	16.51	0.650			68	150	45.72	1.800	177	390	31.75	1.250	30.23	1.190
	BOTTOM			31.75	1.250	21.46	0.845												
PAC-1215	TOP	B		26.80	1.055	16.51	0.650			48	105	45.72	1.800	133	293	30.48	1.200	28.96	1.140
	BOTTOM			32.77	1.290	22.48	0.885												
PAC-1218	TOP	B		26.80	1.055	16.51	0.650			59	130	45.72	1.800	145	318	30.48	1.200	28.96	1.140
	BOTTOM			32.77	1.290	22.48	0.885												
PAC-1518	TOP	B		26.80	1.055	16.51	0.650			59	130	45.72	1.800	145	318	30.48	1.200	28.96	1.140
	BOTTOM			32.77	1.290	22.48	0.885												
PAC-1286	TOP	B		26.80	1.055	16.51	0.650			57	125	44.45	1.750	134	295	29.21	1.150	26.92	1.060
	BOTTOM			35.69	1.405	25.40	1.000												
PAC-1220	TOP	B		27.81	1.095	16.51	0.650			70	155	47.75	1.880	171	377	32.51	1.280	30.73	1.210
	BOTTOM			36.70	1.445	25.40	1.000												
PAC-1255	TOP	B		30.12	1.186	18.57	0.731			73	160	49.53	1.950	193	425	33.02	1.300	30.99	1.220
	BOTTOM			36.70	1.445	25.15	0.990												
PAC-1520	TOP	B		27.81	1.095	16.51	0.650			70	155	47.75	1.880	171	377	32.51	1.280	30.73	1.210
	BOTTOM			36.70	1.445	25.40	1.000												
PAC-1295	TOP	B		30.10	1.185	18.57	0.731			68	150	50.80	2.000	175	385	31.75	1.250	29.97	1.180
	BOTTOM			40.36	1.589	28.83	1.135												
PAC-1595	TOP	B		30.10	1.185	18.57	0.731			68	150	50.80	2.000	175	385	31.75	1.250	29.97	1.180
	BOTTOM			40.36	1.589	28.83	1.135												

