Valve Spring Chart - Listed By Installed Height

Part #	913	26123	990	975	909	982	906	988	26113	901	974	980	26981	981	983	903	970	994	26995	995	942	916	973	941	985	982	920	26921	937	26915	26918	961	26986	986	987	984	972	914	926	917	26112	910	978	977	Part #
# of Springs	Double	Beehive™	Single	Single	Single	Single	Single	Double	Beehive™	Single	Single	Single	Beehive™	Single	Single	Single	Single	Double	Beehive™	Double	Single	Double	Single	Single	Double	Conical	Single	Double	Single Inner	Beehive™	Beehive™	Single	Beehive™	Double	Double	Single	Double	Double	Single	Double	Double	Single	Double	Double	# of Springs
Installed Ht.	1.475	1.470	1.500	1.500	1.550	1.600	1.600	1.600	1.640	1.650	1.650	1.700	1.700	1.700	1.700	1.700	1.700	1.700	1.700	1.700	1.700	1.700	1.750	1.750	1.750	1.750	1.750	1.770	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.850	1.850	1.850	Installed Ht.
O.D. of Outer	1.171	.943/1.105	1.437	.953	1.159	1.355	1.355	1.384	.959/1.061	1.494	.937	1.230	1.065/1.240	1.254	1.260	1.400	1.406	1.437	1.065/1.415	1.437	1.437	1.550	.970	1.255	1.430	1.250/1.454	1.509	1.300	1.015	1.055/1.290	1.055/1.290	1.390	1.065/1.415	1.430	1.430	1.430	1.460	1.489	1.476	1.550	1.550	1.354	1.460	1.460	O.D. of Outer
I.D. of Outer	.875	.580/.742	1.073	.697	.835	1.000	1.011	1.060	.636/.738	1.080	.697	.876	.650/.825	.880	.836	1.015	1.020	1.073	.650/1.000	1.073	1.039	1.166	.700	.871	1.070	.866/1.070	1.125	.895	.731	.650/.885	.650/.885	.990	.650/1.000	1.070	1.070	1.070	1.060	1.105	1.062	1.136	1.136	.940	1.060	1.060	I.D. of Outer
I.D. of Inner	.615	N/A	N/A	N/A	N/A	N/A	N/A	.804	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.697	N/A	.697	N/A	.896	N/A	N/A	.700	N/A	N/A	.655	N/A	N/A	N/A	N/A	.697	.697	N/A	N/A	N/A	.819	N/A	.824	.742	N/A	.697	.700	I.D. of Inner
Spring Rate	296	324	269	144	240	280	219	230	191	353	96	308	347	370	410	293	251	392	280	441	339	392	134	441	366	362	251	408	156	313	313	313	280	322	370	231	308	367	415	566	519	415	403	441	Spring Rate
Damper	No	No	Yes	No	No	No	No	No	No	Yes	No	Yes	No	Yes	No	No	No	Yes	No	Yes	Yes	No	No	Yes	Yes	No	Yes	No	No	No	No	Yes	No	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Damper
Spring Height (inches)	Spring Loads (lbs)																																		Spring Loads (lbs)										Spring Height (inches)
2.300																																													2.300
2.250																																													2.250
2.200																																													2.200
2.150																																													2.150
2.100																																													2.100
2.050																																													2.050
2.000																																													2.000
1.950																																													1.950
1.900																																										72	107	133	1.900
1.850																													46	89	114	61	95	103	104	82	109	147	88	172	120	92	127	155	1.850
1.800																							39	108	146	82	124	123	54	105	130	77	109	117	121	95	124	165	109	200	146	113	147	177	1.800
1.750												77	93	87	85	65	67	101	123	107	98	180	46	130	165	100	137	143	62	121	146	93	123	132	138	105	139	183	129	228	172	134	167	199	1.750
1.700										83	22	92	110	105	105	80	80	121	137	130	115	200	53	152	181	118	149	164	69	136	161	108	137	147	156	115	155	202	150	257	198	155	187	222	1.700
1.650						34	50	105	78	101	27	107	127	123	126	95	92	140	151	152	132	220	59	174	199	136	162	184	77	152	177	124	151	163	174	125	170	220	171	285	223	175	208	244	1.650
1.600					63	48	61	117	88	119	32	123	145	142	146	109	105	160	165	174	149	239	66	196	217	154	174	204	85	168	193	140	165	179	193	135	185	238	192	313	249	196	228	266	1.600
1.550		64	100	48	75	62	72	128	97	136	37	138	162	160	167	124	118	180	179	196	165	259	73	218	236	172	187	225	93	183	208	155	179	196	211	146	201	257	213	341	275	217	248	288	1.550
1.500	23	80	113	55	87	76	82	140	107	154	41	153	179	178	187	139	130	199	193	218	182	278	80	240	254	191	199	245	101	199	224	171	193	212	230	158	216	275	234	370	301	238	268	310	1.500
1.450	38	96	127	62	99	90	93	151	116	172	46	169	197	197	208	153	143	219	207	240	199	298	86	262	272	209	212	265	108	215	240	187	207	228	249	169	231	293	255	398	327	258	288	332	1.450
1.400	53	113	140	69	111	104	104	163	126	189	51	184	214	215	228	168	155	238	221	262	216	318	93	284	291	227	224	286	116	230	255	202	221	244	268	181	247	312	276	426	353	279	308	354	1.400
1.350	67	129	154	77	123	118	115	174	135	207	56	200	231	233	249	182	168	258	235	284	233	337	100	306	309	245	237	306	124	240	271	218	235	261	286	192	262	330	296	455	379	300	329	376	1.350
1.300	82	145	167	84	135	132	126	186	145	225	61	215	249	252	269	197	180	278	249	306	250	357	106	328	327	263	250	327	132	262	287	234	249	277	305	204	277	349	317	483	405		349	398	1.300
1.250	97	161	181	91	147	146	137	197	154	242	65	230	266	273	290	212	193	297	263	328	267	376	113	350	346	281	262	347	139	277	302		263	293	324	215	293	367	338	511	431		369	420	1.250
1.200	112	177	194	98	159	160	148	209	164	260	70		283	294	310	226		317	277	350	284	396	120	372	364	299		367	147	293	318		277	310	343	232		385	359	539	457				1.200
1.150	127	194	207	105	171		158	220	174		75		301					337	291	372		416	126	395				388	155		333		291					404		568	483				1.150
1.100	141	210	221	113	183		169	232	183		80							356	305	394		435	133					408					305							596	509				1.100
1.050	156	226	234	120	195			243	193		85							376	320			455	140																							1.050
1.000	171	242	248	127	207				202		89											474																								1.000
0.950	186																					494																								0.950
0.900	201																																													0.900
0.850																																													0.850
Max. Coil Bind Height	.858	.900	.950	.950	.917	1.125	1.054	1.000	.952	1.100	.920	1.150	1.115	1.150	1.150	1.125	1.203	1.020	1.060	1.050	1.125	.900	1.095	1.100	1.150	1.135	1.175	1.040	1.100	1.100	1.100	1.260	1.060	1.150	1.150	1.150	1.195	1.110	1.140	1.050	1.086	1.280	1.195	1.195	Max. Coil Bind Height
Ti. Ret. (Std Wt)	760	798	730		757			730		730		728		728				730		730	730	731		728	730	730	732							730	730	730	730	731	730	731	729		730	730	Ti. Ret. (Std Wt)
Ti. Ret. (Light Wt)									791 702				788						788			720					721	754		772 762	772 762		788					720		720					Ti. Ret. (Light Wt)
Steel		799	740 743 744					740 743 744	792 700	740 743 744		742 750	787	742 750	751			740	787	740	768 747	741		750	740	743 740	741			774 783 761 787	774 783 761 787		787	740	740	740 743 744	740 743 744	741	740	741			740	740	Steel
Seat .570 Guide Dia.													4693						4696											4705	4705		4696					4776		4785	4778				Seat .570 Guide Dia.
Seat .630 Guide Dia.																																						4777			4780				Seat .630 Guide Dia.
Spring O.D. Locator																						4700					4704										4704	4704	4704	4700			4704	4704	Spring O.D. Locator
Shims			4754			4754	4754	4754		4754		4753	4753	4753		4754		4754	4755	4754	4754	4757		4753	4754	4754	4755	4753		4753	4753		4755	4754	4754	4754	4755	4755	4755	4757	4757		4755	4755	Shims

Indicates Recommended Installed Height

Indicates Location of Maximum Lift

Powerhouse® Performance Tool Catalog

Packed with the latest "can't-live-without-'em" tools for professional engine builders, the all new Powerhouse® Products 2006 Performance Tool Catalog is now available in print and online at www.powerhouseproducts.com.

Part #	Description
POW991000-06	Powerhouse® Performance Tool Catalog

Valve Spring Height Micrometers

This is by far the quickest, easiest and most accurate way to measure valve spring installed height. Our height mics install just like a valve spring, then the tool is expanded until it has fully seated the valve, locks and retainer. This simulated installation is what allows ultra precise readings. The tool is then read like a micrometer and is accurate to .001".

Part #	Description
4928	1.400" to 1.800" Range Height Micrometer
4929	1.600" to 2.200" Range Height Micrometer
4930	1.600" to 2.200" Range Height Micrometer (for Beehive™ Springs)

Valve Train Assembly Spray

- Protect your valve springs, rockers and pushrods against harmful wear
- Special formula clings to vital valve train components during critical start-up
- High viscosity protection in a convenient spray for easy, no-mess application
- Compatible with all petroleum, synthetic and blended engine oils

Part #	Description	Size
106	Valve Train Assembly Spray	6 oz. aerosol can

MSDS available on request

Heavy-Duty Manual Valve Spring Compressor

Our super-duty compressor is constructed of a welded steel box-tubing frame and an over-center type clamping device that can compress any valve spring. The compressor arm slides up and down for adjustment and utilizes a locking pin for speed and ease of use. We also offer a base to hold the unit upright in order to use the compressor in conjunction with a mini spring tester. A small engine and motorcycle model is also available.

Part #	Description
5333	Heavy-Duty Manual Compressor

Master Cam Lobe Profile Catalog

COMP Cams® leads the industry in camshaft lobe offerings with a library of over 3000 active designs. The Master Cam Lobe Profile Catalog was developed specifically for the professional engine builder and covers all the vital specifications on every available lobe profile, how to properly order a COMP Cams® custom grind cam and the options for camshaft core selection.

Part #	Description
LC2006	Master Cam Lobe Profile Catalog

Indicates Recommended Installed Height

Indicates Location of Maximum Lift

Part #	928	26120	950	940	26924	924	925	911	954	929	953	936	938	930	999	26094	943	998	946	26055	912	939	927	919	933	935	944	951	991	26097	26089	955	26075	932	26095	26091	996	959	26115	26099	947	948	26082	26028	Part #
# of Springs	Double	Beehive™	Double	Single	Beehive™	Double	Double	Single	Double	Double	Double	Single	Double	Double	Double	Double	Double	Double	Triple	Beehive™	Single	Double	Double	Double	Double	Double	Double	Double	Double	Double	Double	Double	Double	Double	Single	Double	Double	Double	Double	Double	Triple	Triple	Triple	Triple	# of Springs
Installed Ht.	1.850	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.925	1.950	1.950	1.950	1.950	1.950	1.950	1.950	1.950	1.950	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.050	2.050	2.050	2.100	2.100	2.100	2.200	Installed Ht.
O.D. of Outer	1.550	1.095/1.445	1.464	1.464	1.094/1.480	1.509	1.509	1.524	1.525	1.535	1.535	1.539	1.539	1.550	1.550	1.550	1.550	1.625	1.645	1.204/1.585	.896	1.539	1.539	1.540	1.550	1.554	1.570	1.620	1.639	1.539	1.550	1.550	1.559	1.557	1.185/1.589	1.599	1.625	1.645	1.549	1.625	1.645	1.645	1.645	1.677	O.D. of Outer
I.D. of Outer	1.150	.650/1.000	1.080	1.080	.650/1.036	1.125	1.125	1.110	1.111	1.135	1.135	1.125	1.125	1.150	1.114	1.136	1.136	1.175	1.195	.731/1.112	.600	1.125	1.125	1.126	1.136	1.140	1.120	1.170	1.189	1.125	1.136	1.136	1.135	1.143	.731/1.135	1.175	1.175	1.195	1.125	1.175	1.195	1.195	1.195	1.195	1.195	I.D. of Outer
I.D. of Inner	.795	N/A	.724	N/A	N/A	.697	.697	N/A	.761	.754	.749	N/A	.731	.795	.724	.752	.812	.769	.871/.635	N/A	N/A	.697	.731	.814	.730	.746	.796	.846	.783	.731	.812	.812	.741	.749	N/A	.846	.769	.871	.719	.769	.871/.635	.871/.635	.871/.635	.872/.635	I.D. of Inner
Spring Rate	354	370	333	241	315	347	395	373	483	437	473	325	480	354	633	449	551	677	688	400	240	469	498	550	490	471	743	640	640	490	500	526	482	452	293	491	636	580	544	561	681	686	686	728	Spring Rate
Damper	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No	Yes	Yes	No	Yes	Yes	No	No	Yes	Yes	No	No	Yes	Yes	No	No	Yes	No	Yes	Yes	No	No	No	No	Damper
Spring Height (inches)	Spring Loads (lbs)																																		Spring Loads (lbs)										Spring Height (inches)
2.300																																													2.300
2.250																																												310	2.250
2.200																																												346	2.200
2.150																																										298	298	382	2.150
2.100																																							201	217	270	332	332	419	2.100
2.050																														171	205	214	179	174	135	255	177	207	228	245	304	366	366	455	2.050
2.000																				120	38	115	172	166	146	170	153	198	182	195	230	240	203	196	150	270	209	236	255	273	338	401	401	492	2.000
1.950			116	80	114	95	92	104	185	118	124	133	180	135	165	156	212	186	319	140	50	138	197	194	170	194	190	230	214	220	255	266	227	219	165	295	241	265	283	301	372	435	435	528	1.950
1.900	153	148	133	93	130	112	111	122	210	140	148	149	204	153	196	178	240	220	353	160	62	161	222	221	195	218	227	262	246	244	280	293	251	242	179	319	272	294	310	329	406	469	469	564	1.900
1.850	171	166	149	105	146	129	131	141	234	162	172	165	228	171	228	200	268	254	387	180	74	185	247	249	219	241	264	294	278	269	305	319	275	264	194	344	304	323	337	357	440	504	504	601	1.850
1.800	188	185	166	117	162	147	151	160	258	183	195	182	252	188	260	223	295	288	422	200	86	208	272	276	244	265	301	326	310	293	330	345	299	287	209	368	336	352	364	385	474	538	538	637	1.800
1.750	206	203	182	129	177	164	171	178	282	205	219	198	276	206	291	245	323	322	456	220	98	232	297	304	268	288	339	358	342	318	355	371	323	309	223	393	368	381	391	413	508	572	572	674	1.750
1.700	224	222	199	141	193	181	190	197	306	227	243	214	300	224	323	268	350	356	491	240	110	255	321	331	293	312	376	390	374	342	380	398	347	332	238	417	400	410	418	441	542	606	606	710	1.700
1.650	242	240	216	153	209	199	210	216	330	249	266	230	324	242	355	290	378	390	525	260	122	279	346	359	317	335	413	422	406	367	405	424	371	355	253	442	431	439	446	469	576	641	641	746	1.650
1.600	259	259	232	165	225	216	230	234	354	271	290	247	348	259	386	313	405	423	559	280	134	302	371	386	342	359	450	454	438	392	430	450	395	377	267	466	463	468	473	497	610	675	675	783	1.600
1.550	277	277	249	177	240	233	250	253	378	293	314	263	372	277	418	335	433	457	594	300	146	325	396	414	366	382	487	486	470	416	455	477	420	400	282	491	495	497	500	525	644	709	709	819	1.550
1.500	295	296	266	189	256	251	269	272	403	315	337	279	396	295	449	358	460	491	628	320	158	349	421	441	391	406	524	518	502	441	480	503	444	422	297	516	527	526	527	553	678	744	744	856	1.500
1.450	312	314	282	201	272	268	289	290	427	336	361	295	420	312	481	380	488	525	663	340	170	372	446	469	416	430	562	550	534	465	505	529	468	445	311	540	559	555	554	581	712	778	778	892	1.450
1.400	330	333	299	213	288	285	309	309	451	358	385	312	444	330	513	403	516	559	697	360	182	396	471	496	440	453	599	582	566	490	530	555	492	468	326	565	591	584	582	609	746	812	812	928	1.400
1.350	348	351	316	225	303	303	329	328	475	380	408	328	468	348	544	425	543	593	732	380		419	496	524	465	477	636	614	598	514	555	582	516	490	341	589	622	613	609	637	781	847	847	965	1.350
1.300	365	370	332	237	319	320	349	346	499	402	432	344	492	365	576	447	571	626	766	400		443	520	551	489	500	673	646	630	539	580	608	540	513	355	614	654	642	636	665	815	881	881	1001	1.300
1.250	383	388	349	249	335	337	368	365	523	424	456	360	516	383	608	470	598	660	800			466	545	579	514	524	710	678	662	563			564	535	370	638	686	671	663	693	849	915	915	1038	1.250
1.200					351	355	388			446	479				639	492	626	694	835					606			747	710	694	597				558	385		718	700			883	949	949	1074	1.200
1.150											503				671			728	869					634			784	742						581			750	729			917				1.150
1.100																																													1.100
1.050																																													1.050
1.000																																													1.000
0.950																																													0.950
0.900																																													0.900
0.850																																													0.850
Max. Coil Bind Height	1.160	1.230	1.200	1.200	1.190	1.175	1.175	1.200	1.170	1.160	1.085	1.225	1.225	1.160	1.090	1.200	1.150	1.090	1.130	1.225	1.360	1.225	1.175	1.100	1.200	1.180	1.100	1.100	1.125	1.135	1.230	1.230	1.190	1.160	1.190	1.180	1.100	1.130	1.192	1.184	1.130	1.130	1.130	1.142	Max. Coil Bind Height
Ti. Ret. (Std Wt)	732		730	730		732	732	732	732	732	732	732	738	732	732	732	731	733	739 735		753	732	732	731	732	724	731	736	733	732	731	731	738	738			733	739	732	733	739 735	739 735	739 735	739 735	Ti. Ret. (Std Wt)
Ti. Ret. (Light Wt)	721	794			788	721	721	721	721	721	721	721		721	721	721	720		722	785		721	721	720	721		720			721	720	720			785	784					722	722	722	722	Ti. Ret. (Light Wt)
Steel	741	795	740 743 744	740	787	741	741	741	741	741	741	741	741	741								741		741	741	748								748					748							Steel
Seat .570 Guide Dia.	4776	4696	4781		4694		4771		4781	4772	4772		4778	4776	4781	4772	4785	4774		4711		4770 4771	4778	4785	4771	4772	4776		4774	4778	4785	4785	4778	4772	4711	4714	4774		4781	4774					Seat .570 Guide Dia.
Seat .630 Guide Dia.	4777	4697	4782			4770	4783		4782	4773	4773		4780	4777	4782	4773	4777	4775				4783	4780		4780	4773	4777		4775	4780	4777	4777	4780	4773			4775		4782	4775					Seat .630 Guide Dia.
Spring O.D. Locator	4700		4704	4704		4700	4700		4700	4700	4700	4700	4700	4700	4700	4700		4702	4702			4700	4700	4700	4700	4700	4704	4702	4702	4700	4700	4700	4700	4700			4702	4702	4700	4702	4702	4702	4702	4708	Spring O.D. Locator
Shims	4757	4754	4755	4755	4757	4757	4757	4757	4757	4757	4757	4757	4757	4757	4757	4757	4757	4756	4756	4757		4757	4757	4757	4757	4757	4757	4756	4756	4757	4757	4757	4757	4757	4757	4757	4756	4756	4757	4757	4756	4756	4756	4756	Shims

Valve Spring Chart - Listed By Outside Diameter

Part #	912	974	975	973	937	26113	26123	909	913	980	26981	982	981	941	983	26915	26918	26921	910	902	906	988
# of Springs	Single	Single	Single	Single	Single Inner	Beehive™	Beehive™	Single	Double	Single	Beehive™	Conical	Single	Single	Single	Beehive™	Beehive™	Double	Single	Single	Single	Single
O.D. of Outer	.896	.937	.953	.970	1.015	.959/ 1.061	.943/1.105	1.159	1.171	1.230	1.065/1.240	1.250/1.454	1.254	1.255	1.260	1.055/1.290	1.055/1.290	1.300	1.354	1.355	1.355	1.384
I.D. of Outer	.600	.697	.697	.700	.731	.636/.738	.580/.742	.835	.875	.876	.650/.825	.866/1.070	.880	.871	.836	.650/.885	.650/.885	.895	.940	1.000	1.011	1.060
I.D. of Inner	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.615	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.655	N/A	N/A	N/A	.804
Installed Height	1.950	1.650	1.500	1.750	1.800	1.640	1.470	1.550	1.475	1.700	1.700	1.750	1.700	1.750	1.700	1.800	1.800	1.770	1.850	1.600	1.600	1.600
Spring Rate	240	96	144	134	156	191	324	240	296	308	347	362	370	441	410	313	313	408	415	280	219	230
Damper	No	No	No	No	No	No	No	No	No	Yes	No	No	Yes	Yes	No	No	No	No	Yes	No	No	No
Spring Height (inches)	Spring Loads (lbs)															Spring Loads (lbs)						
2.300																						
2.250																						
2.200																						
2.150																						
2.100																						
2.050																						
2.000	38																					
1.950	50																					
1.900	62																		72			
1.850	74				46											89	114		92			
1.800	86			39	54							82		108		105	130	123	113			
1.750	98			46	62					77	93	100	87	130	85	121	146	143	134			
1.700	110	22		53	69					92	110	118	105	152	105	136	161	164	155			
1.650	122	27		59	77	78				107	127	136	123	174	126	152	177	184	175	34	50	105
1.600	134	32		66	85	88		63		123	145	154	142	196	146	168	193	204	196	48	61	117
1.550	146	37	48	73	93	97	64	75		138	162	172	160	218	167	183	208	225	217	62	72	128
1.500	158	41	55	80	101	107	80	87	23	153	179	191	178	240	187	199	224	245	238	76	82	140
1.450	170	46	62	86	108	116	96	99	38	169	197	209	197	262	208	215	240	265	258	90	93	151
1.400	182	51	69	93	116	126	113	111	53	184	214	227	215	284	228	230	255	286	279	104	104	163
1.350		56	77	100	124	135	129	123	67	200	231	245	233	306	249	246	271	306	300	118	115	174
1.300		61	84	106	132	145	145	135	82	215	249	263	252	328	269	262	287	327		132	126	186
1.250		65	91	113	139	154	161	147	97	230	266	281	273	350	290	277	302	347		146	137	197
1.200		70	98	120	147	164	177	159	112		283	299	294	372	310	293	318	367		160	148	209
1.150		75	105	126	155	174	194	171	127		301			395			333	388			158	220
1.100		80	113	133		183	210	183	141									408			169	232
1.050		85	120	140		193	226	195	156													243
1.000		89	127			202	242	207	171													
0.950									186													
0.900									201													
0.850																						
Max. Coil Bind Height	1.360	.920	.950	1.095	1.100	.952	.900	0.917	.858	1.150	1.115	1.135	1.150	1.100	1.150	1.100	1.100	1.040	1.280	1.125	1.054	1.000
Ti. Ret. (Std Wt)	753						798	757	760	728		730	728	728								730
Ti. Ret. (Light Wt)						791 702					788					772 762	772 762	754				
Steel						792 700	799			742 750	787	743 740	742 750	750	751	774 783 767 787	774 783 761 797					740 743 744
Seat .570 Guide Dia.											4693					4705	4705					
Seat .630 Guide Dia.																						
Spring O.D. Locator																						
Shims										4753	4753	4754	4753	4753		4753	4753	4753		4754	4754	4754

Part #	961	903	970	985	26986	986	987	984	990	994	26995	995	942	26120	972	978	977	950	940	926	914	901
# of Springs	Single	Single	Single	Double	Beehive™	Double	Double	Double	Single	Double	Beehive™	Double	Single	Beehive™	Single	Double	Double	Double	Double	Single	Double	Single
O.D. of Outer	1.390	1.400	1.406	1.430	1.065/1.415	1.430	1.430	1.430	1.437	1.437	1.065/1.415	1.437	1.437	1.095/1.445	1.460	1.460	1.460	1.464	1.464	1.476	1.489	1.494
I.D. of Outer	.990	1.015	1.020	1.070	.650/1.000	1.070	1.070	1.070	1.073	1.073	.650/1.000	1.073	1.039	.650/1.000	1.060	1.060	1.060	1.080	1.080	1.062	1.105	1.080
I.D. of Inner	N/A	N/A	N/A	.700	N/A	.697	.697	N/A	N/A	.697	N/A	.697	N/A	N/A	N/A	.697	.700	.724	N/A	N/A	.819	N/A
Installed Height	1.800	1.700	1.700	1.750	1.800	1.800	1.800	1.800	1.500	1.700	1.700	1.700	1.700	1.900	1.800	1.850	1.850	1.900	1.900	1.800	1.800	1.650
Spring Rate	313	293	251	366	280	322	370	231	269	392	280	441	339	370	308	403	441	333	241	415	367	353
Damper	Yes	No	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Spring Height (inches)														Spring Loads (lbs)								
2.300																						
2.250																						
2.200																						
2.150																						
2.100																						
2.050																						
2.000																						
1.950																		116	80			
1.900														148		107	133	133	93			
1.850	61				95	103	104	82						166	109	127	155	149	105	88	147	
1.800	77			146	109	117	121	95						185	124	147	177	166	117	109	165	
1.750	93	65	67	165	123	132	138	105		101	123	107	98	203	139	167	199	182	129	129	183	
1.700	108	80	80	181	137	147	156	115		121	137	130	115	222	155	187	222	199	141	150	202	83
1.650	124	95	92	199	151	163	174	125		140	151	152	132	240	170	208	244	216	153	171	220	101
1.600	140	109	105	217	165	179	193	135		160	165	174	149	259	185	228	266	232	165	192	238	119
1.550	155	124	118	236	179	196	211	146	100	180	179	196	165	277	201	248	288	249	177	213	257	136
1.500	171	139	130	254	193	212	230	158	113	199	193	218	182	296	216	268	310	266	189	234	275	154
1.450	187	153	143	272	207	228	249	169	127	219	207	240	199	314	231	288	332	282	201	255	293	172
1.400	202	168	155	291	221	244	268	181	140	238	221	262	216	333	247	308	354	299	213	276	312	189
1.350	218	182	168	309	235	261	286	192	154	258	235	284	233	351	262	329	376	316	225	296	330	207
1.300	234	197	180	327	249	277	305	204	167	278	249	306	250	370	277	349	398	332	237	317	349	225
1.250		212	193	346	263	293	324	215	181	297	263	328	267	388	293	369	420	349	249	338	367	242
1.200		226		364	277	310	343	232	194	317	277	350	284							359	385	280
1.150					291				207	337	291	372									404	
1.100					305				221	356	305	394										
1.050									234	376	320											
1.000									248													
0.950																						
0.900																						
0.850																						
Max. Coil Bind Height	1.260	1.125	1.203	1.150	1.060	1.150	1.150	1.150	.950	1.020	1.060	1.050	1.125	1.230	1.195	1.195	1.195	1.200	1.200	1.140	1.110	1.100
Ti. Ret. (Std Wt)				730		730	730	730	730	730		730	730		730	730	730	730	730	730	731	730
Ti. Ret. (Light Wt)					788						788			794							720	
Steel				740	787	740	740	740 743 744	740 743 744	740	787	740	768 747	795	740 743 744	740	740	740 743 744	740	740	741	740 743 744
Seat .570 Guide Dia.					4696						4696			4696				4781			4776	
Seat .630 Guide Dia.														4697				4782			4777	
Spring O.D. Locator															4704	4704	4704	4704	4704	4704	4704	
Shims		4754		4754	4755	4754	4754	4754	4754	4754	4755	4754	4754	4754	4755	4755	4755	4755	4755	4755	4755	4754

Indicates Recommended Installed Height

Indicates Location of Maximum Lift

Powerhouse® Performance Tool Catalog

Packed with the latest "can't-live-with-out-'em" tools for professional engine builders, the all new Powerhouse® Products 2006 Performance Tool Catalog is now available in print and online at www.powerhouseproducts.com.

Part #	Description
POW991000-06	Powerhouse® Performance Tool Catalog

Valve Spring Height Micrometers

This is by far the quickest, easiest and most accurate way to measure valve spring installed height. Our height mics install just like a valve spring, then the tool is expanded until it has fully seated the valve, locks and retainer. This simulated installation is what allows ultra precise readings. The tool is then read like a micrometer and is accurate to .001".

Part #	Description
4928	1.400" to 1.800" Range Height Micrometer
4929	1.600" to 2.200" Range Height Micrometer
4930	1.600" to 2.200" Range Height Micrometer (for Beehive™ Springs)

Valve Train Assembly Spray

- Protect your valve springs, rockers and pushrods against harmful wear
- Special formula clings to vital valve train components during critical start-up
- High viscosity protection in a convenient spray for easy, no-mess application
- Compatible with all petroleum, synthetic and blended engine oils

Part #	Description	Size
106	Valve Train Assembly Spray	6 oz. aerosol can

MSDS available on request

Heavy-Duty Manual Valve Spring Compressor

Our super-duty compressor is constructed of a welded steel box-tubing frame and an over-center type clamping device that can compress any valve spring. The compressor arm slides up and down for adjustment and utilizes a locking pin for speed and ease of use. We also offer a base to hold the unit upright in order to use the compressor in conjunction with a mini spring tester. A small engine and motorcycle model is also available.

Part #	Description
5333	Heavy-Duty Manual Compressor

Master Cam Lobe Profile Catalog

COMP Cams® leads the industry in camshaft lobe offerings with a library of over 3000 active designs. The Master Cam Lobe Profile Catalog was developed specifically for the professional engine builder and covers all the vital specifications on every available lobe profile, how to properly order a COMP Cams® custom grind cam and the options for camshaft core selection.

Part #	Description
LC2006	Master Cam Lobe Profile Catalog

Indicates Recommended Installed Height

Indicates Location of Maximum Lift

Part #	920	26924	924	925	911	954	929	953	936	938	939	927	26097	919	26115	916	917	26112	928	930	999	26994
# of Springs	Single	Beehive™	Double	Double	Single	Double	Double	Double	Single	Double	Double	Double	Double	Double	Double	Double	Double	Double	Double	Double	Double	Double
O.D. of Outer	1.509	1.094/1.480	1.509	1.509	1.524	1.525	1.535	1.535	1.539	1.539	1.539	1.539	1.539	1.540	1.549	1.550	1.550	1.550	1.550	1.550	1.550	1.550
I.D. of Outer	1.125	.650/1.036	1.125	1.125	1.110	1.111	1.135	1.135	1.125	1.125	1.125	1.125	1.125	1.126	1.125	1.166	1.136	1.136	1.150	1.150	1.114	1.136
I.D. of Inner	N/A	N/A	.697	.697	N/A	.761	.754	.749	N/A	.731	.697	.731	.731	.814	.719	.896	.824	.742	.795	.795	.724	.752
Installed Height	1.750	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.950	1.950	2.000	1.950	2.050	1.700	1.800	1.800	1.850	1.900	1.900	1.900
Spring Rate	251	315	347	395	373	483	437	473	325	480	469	498	490	550	544	392	566	519	354	354	633	449
Damper	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No	Yes	Yes	Yes	Yes
Spring Height (inches)													Spring Loads (lbs)									
2.300																						
2.250																						
2.200																						
2.150																						
2.100															201							
2.050													171		228							
2.000											115	172	195	166	255							
1.950		114	95	92	104	185	118	124	133	180	138	197	220	194	283							
1.900		130	112	111	122	210	140	148	149	204	161	222	244	221	310				153	153	196	178
1.850		146	129	131	141	234	162	172	165	228	185	247	269	249	337		172	120	171	171	228	200
1.800	124	162	147	151	160	258	183	195	182	252	208	272	293	276	364		200	146	188	188	260	223
1.750	137	177	164	171	178	282	205	219	198	276	232	297	318	304	391	180	228	172	206	206	291	245
1.700	149	193	181	190	197	306	227	243	214	300	255	321	342	331	418	200	257	198	224	224	323	268
1.650	162	209	199	210	216	330	249	266	230	324	279	346	367	359	446	220	285	223	242	242	355	290
1.600	174	225	216	230	234	354	271	290	247	348	302	371	392	386	473	239	313	249	259	259	386	313
1.550	187	240	233	250	253	378	293	314	263	372	325	396	416	414	500	259	341	275	277	277	418	335
1.500	199	256	251	269	272	403	315	337	279	396	349	421	441	441	527	278	370	301	295	295	449	358
1.450	212	272	268	289	290	427	336	361	295	420	372	446	465	469	554	298	398	327	312	312	481	380
1.400	224	288	285	309	309	451	358	385	312	444	396	471	490	496	582	318	426	353	330	330	513	403
1.350	237	303	303	329	328	475	380	408	328	468	419	496	514	524	609	337	455	379	348	348	544	425
1.300	250	319	320	349	346	499	402	432	344	492	443	520	539	551	636	357	483	405	365	365	576	447
1.250	262	335	337	368	365	523	424	456	360	516	466	545	563	579	663	376	511	431	383	383	608	470
1.200		351	355	388			446	479					597	606		396	539	457			639	492
1.150								503						634		416	568	483			671	
1.100																435	598	509				
1.050																455						
1.000																474						
0.950																494						
0.900																						
0.850																						
Max. Coil Bind Height	1.175	1.190	1.175	1.175	1.200	1.170	1.160	1.085	1.225	1.225	1.225	1.175	1.135	1.100	1.192	.900	1.050	1.086	1.160	1.160	1.090	1.200
Ti. Ret. (Std Wt)	732		732	732	732	732	732	732	732	738	732	732	732	731	732	731	731	729	732	732	732	732
Ti. Ret. (Light Wt)	721	788	721	721	721	721	721	721	721	721	721	721	721	720		720	720		721	721	721	721
Steel	741	787	741	741	741	741	741	741	741	741	741			741	748	741	741		741	741		
Seat .570 Guide Dia.		4694		4771		4781	4772	4772		4778	4770 4771	4778	4778	4785	4781		4785	4778	4776	4776	4781	4772
Seat .630 Guide Dia.			4770	4783		4782	4773	4773		4780	4783	4780	4780		4782			4780	4777	4777	4782	4773
Spring O.D. Locator	4704		4700	4700		4700	4700	4700	4700	4700	4700	4700	4700	4700	4700	4700	4700		4700	4700	4700	4700
Shims	4755	4757	4757	4757	4757	4757	4757	4757	4757	4757	4757	4757	4757	4757	4757	4757	4757	4757	4757	4757	4757	4757

Part #	933	26089	955	935	932	26075	944	26055	26095	26091	951	998	996	26099	991	946	959	947	948	26082	26028
# of Springs	Double	Double	Double	Double	Double	Double	Double	Beehive™	Single	Double	Double	Double	Double	Double	Double	Triple	Double	Triple	Triple	Triple	Triple
O.D. of Outer	1.550	1.550	1.550	1.554	1.557	1.559	1.570	1.204/1.585	1.185/1.589	1.599	1.620	1.625	1.625	1.625	1.639	1.645	1.645	1.645	1.645	1.645	1.677
I.D. of Outer	1.136	1.136	1.136	1.140	1.143	1.135	1.120	.731/1.112	.731/1.135	1.175	1.170	1.175	1.175	1.175	1.189	1.195	1.195	1.195	1.195	1.195	1.195
I.D. of Inner	.730	.812	.812	.746	.749	.741	.796	N/A	N/A	.846	.846	.769	.769	.769	.783	.871/.635	.871	.871/.635	.871/.635	.871/.635	.872/.635
Installed Height	1.950	2.000	2.000	1.950	2.000	2.000	1.950	1.925	2.000	2.000	1.950	1.900	2.000	2.050	1.950	1.900	2.000	2.050	2.100	2.100	2.200
Spring Rate	490	500	526	471	452	482	743	400	293	491	640	677	636	561	640	688	580	681	686	686	728
Damper	Yes	No	No	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes	Yes	No	No	No	No	No	No
Spring Height (inches)											Spring Loads (lbs)										
2.300																					
2.250																					310
2.200																					346
2.150																			298	298	382
2.100														217				270	332	332	419
2.050		205	214		174	179			135	255			177	245			207	304	366	366	455
2.000	146	230	240	170	196	203	153	120	150	270	198		209	273	182		236	338	401	401	492
1.950	170	255	266	194	219	227	190	140	165	295	230	186	241	301	214	319	265	372	435	435	528
1.900	195	280	293	218	242	251	227	160	179	319	262	220	272	329	246	353	294	406	469	469	564
1.850	219	305	319	241	264	275	264	180	194	344	294	254	304	357	278	387	323	440	504	504	601
1.800	244	330	345	265	287	299	301	200	209	368	326	288	336	385	310	422	352	474	538	538	637
1.750	268	355	371	288	309	323	339	220	223	393	359	322	368	413	342	456	381	508	572	572	674
1.700	293	380	398	312	332	347	376	240	238	417	390	356	400	441	374	491	410	542	606	606	710
1.650	317	405	424	335	355	371	413	260	253	442	422	390	431	469	406	525	439	576	641	641	746
1.600	342	430	450	359	377	395	450	280	267	466	454	423	463	497	438	559	468	610	675	675	783
1.550	366	455	477	382	400	420	487	300	282	491	486	457	495	525	470	594	497	644	709	709	819
1.500	391	480	503	406	422	444	524	320	297	516	518	491	527	553	502	628	526	678	744	744	856
1.450	416	505	529	430	445	468	562	340	311	540	550	525	559	581	534	663	555	712	778	778	892
1.400	440	530	555	453	468	492	599	360	326	565	582	559	591	609	566	697	584	746	812	812	928
1.350	465	555	582	477	490	516	636	380	341	589	614	593	622	637	598	732	613	781	847	847	965
1.300	489	580	608	500	513	540	673	400	355	614	646	626	654	665	630	766	642	815	881	881	1001
1.250	514			524	535	564	710		370	638	678	660	686	693	662	800	671	849	915	915	1038
1.200					558		747		385		710	694	718		694	835	700	883	949	949	1074
1.150					581		784				742	728	750			869	729	917			
1.100																					
1.050																					
1.000																					
0.950																					
0.900																					
0.850																					
Max. Coil Bind Height	1.200	1.230	1.230	1.180	1.160	1.190	1.100	1.225	1.190	1.180	1.100	1.090	1.100	1.184	1.125	1.130	1.130	1.130	1.130	1.130	1.142
Ti. Ret. (Std Wt)	731	731	731	724	738	738	731				736	733	733	733	733	739 735	739	739 735	739 735	739 735	739 735
Ti. Ret. (Light Wt)	721	720	720	721	720		721	785	785	784						722		722	722	722	722
Steel	741			748	748		741														
Seat .570 Guide Dia.	785	785	785	772	772	778	776	711	4711	4714		4774	4774	4774	4774						
Seat .630 Guide Dia.	4777	4777	4777	4773	4773	4780	4777					4775	4775	4775	4775						
Spring O.D. Locator	4700	4700	4700	4700	4700	4700	4704		4700		4702	4702	4702	4702	4702	4702	4702	4702	4702	4702	4708
Shims	4757	4757	4757	4757	4757	4757	4757	4757	4757	4757	4756	4756	4756	4757	4756	4756	4756	4756	4756	4756	4756

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