

VALVE SPRINGS PART NUMBER ORDER

Part Number	O/D	ID of Outer	ID of Inner	Spring Type	RH or LH (Outer)	Free Length	Spring Rate (lb/in)	Solid Height
7737	1.510"	1.086"	0.965"	1 + Damper	L	2.220"	360	1.310"
7738	1.475"	1.055"	0.960"	1 + Damper	L	2.210"	350	1.180"
7739	1.420"	1.015"	0.916"	1 + Damper	R	2.160"	330	1.150"
7930 [Ⓚ]	1.460"	1.000"	.690"	2 + Damper	L	2.360"	350	1.070"
7937 [Ⓚ]	1.465"	1.000"	0.720"	2 + Damper	L	2.360"	350	1.080"
8333 [Ⓚ]	1.515"	1.120"	0.800"	2	L	2.480"	350	1.210"
8335 [Ⓚ]	1.515"	1.120"	0.795"	2	L	2.480"	322	1.210"
8337 [Ⓚ]	1.515"	1.130"	0.795"	2	L	2.350"	360	1.114"
8937 [Ⓚ]	1.530"	0.980"	0.760"	2 + Damper	L	2.335"	370	1.180"
8945 [Ⓚ]	1.510"	1.115"	0.760"	2	L	2.510"	500	1.040"
9731	1.550"	1.125"	1.000"	1 + Damper	L	2.460"	320	1.180"
9936 [Ⓚ]	1.539"	0.990"	0.765"	2 + Damper	L	2.450"	390	1.180"
9941 [Ⓚ]	1.540"	1.025"	0.740"	2 + Damper	R	2.380"	440	1.140"
9945 [Ⓚ]	1.540"	1.000"	0.690"	2 + Damper	L	2.475"	460	1.110"
9950 [Ⓚ]	1.540"	1.000"	0.725"	2 + Damper	L	2.475"	470	1.110"

Note: Springs marked with xxxx-xx[Ⓚ] denotes that it is a double spring.

VALVE SPRINGS

VALVE SPRINGS OUTSIDE DIAMETER ORDER

Part Number	O/D	ID of Outer	ID of Inner	Spring Type	RH or LH (Outer)	Free Length	Spring Rate (lb/in)	Solid Height
514	0.838"	0.612"		1	L	1.500"	145	0.710"
607	0.910"	0.684"		1	L	1.970"	80	0.780"
511	0.937"	0.697"		1	L	1.490"	123	0.740"
1832	0.945" TOP 1.101" BOT	0.580" TOP 0.735" BOT		1 Conical	R	1.795"	310	0.900"
5844-IRH	0.950"	0.710"		1	R	1.955"	95	0.750"
513	0.953"	0.697"		1	L	1.937"	132	0.930"
1808	0.970" TOP 1.060" BOT	0.645" TOP 0.727" BOT		1 Conical	R	2.035"	215	0.880"
1804	0.980" TOP 1.065" BOT	0.995" TOP 0.635" BOT		1 Conical	R	2.085"	280	1.020"
1809	0.985" TOP 1.060" BOT	0.640" TOP 0.730" BOT		1 Conical	R	2.180"	200	0.900"
507	1.000"	0.760"		1	L	2.050"	75	0.750"
4403	1.000"	0.700"		1	R	1.900"	260	0.945"
615	1.015"	0.740"		1	L	2.000"	135	0.870"
515	1.015"	0.725"		1	L	2.165"	155	1.060"
4435	1.030" TOP 1.200" BOT	0.625" TOP 0.780" BOT		1 Conical	R	2.220"	350	1.110"
4021	1.045" TOP 1.245" BOT	0.670" TOP 0.870" BOT		1 Conical	R	1.970"	350	1.190"
4164	1.050"	0.735"		1	R	1.740"	265	0.840"
4918	1.050" TOP 1.295" BOT	0.645" TOP 0.880" BOT		1 Conical	R	2.325"	300	1.100"
4511X	1.055" TOP 1.290" BOT	0.650" TOP 0.885" BOT		1 Conical	R	2.200"	380	1.100"
4231	1.060" TOP 1.290" BOT	0.650" TOP 0.875" BOT		1 Conical	R	2.200"	280	1.090"
613	1.080"	0.796"		1	R	2.230"	130	1.000"
612	1.090"	0.810"		1	R	2.055"	120	0.880"
4162	1.100"	0.765"		1	R	1.895"	260	0.980"
4420	1.110" TOP 1.440" BOT	0.660" TOP 0.990" BOT		1 Conical	R	2.445"	360	1.200"
4177 [Ⓚ]	1.113"	0.805"	0.636"	2	R	1.660"	230	0.730"
2021	1.134"	0.838"		1	R	1.622"	210	0.750"
2834 [Ⓚ]	1.134"	0.838"	0.612"	2	R	1.622"	400	0.750"
2836 [Ⓚ]	1.134"	0.838"	0.612"	2	R	1.622"	380	0.770"
4163	1.165"	0.825"		1	R	1.980"	250	0.975"
4429 [Ⓚ]	1.167"	0.860"	0.660"	2	R	1.820"	240	0.810"

Note: Springs marked with xxxx-xx[Ⓚ] denotes that it is a double spring.

VALVE SPRINGS OUTSIDE DIAMETER ORDER

Part Number	O/D	ID of Outer	ID of Inner	Spring Type	RH or LH (Outer)	Free Length	Spring Rate (lb/in)	Solid Height
4038	1.197"	0.840"		1	R	1.830"	360	0.920"
4220 ^D	1.210"	0.926"	0.700"	2	R	1.900"	200	0.820"
5038	1.211"	0.857"	0.750"	1	R	1.780"	340	1.010"
4250 ^D	1.214"	0.926"	0.870"	2	R	1.950"	250	0.817"
4830	1.220"	0.860"	0.755"	1 + Damper	R	2.080"	310	1.100"
4835	1.225"	0.875"	0.750"	1 + Damper	R	2.165"	290	1.090"
5037	1.230"	0.875"		1	R	2.060"	265	1.230"
4931	1.240"	0.880"	0.780"	1 + Damper	R	2.020"	300	1.100"
4936	1.240"	0.880"	0.780"	1 + Damper	R	2.020"	300	1.100"
4833	1.255"	0.880"	0.780"	1 + Damper	R	2.025"	415	1.100"
4328 ^D	1.255"	0.920"	0.665"	2	L	2.100"	260	0.940"
4320	1.255"	0.920"		1	L	2.100"	230	0.930"
4326 ^D	1.255"	0.920"	0.710"	2	L	2.100"	250	0.950"
4327 ^D	1.255"	0.920"	0.684"	2	L	2.100"	270	0.940"
4719	1.255"	0.920"	0.835"	1 + Damper	L	2.100"	220	0.930"
4718	1.255"	0.920"	0.835"	1 + Damper	L	2.100"	230	0.930"
4836	1.255"	0.880"	0.780"	1 + Damper	R	2.025"	395	1.100"
6038	1.255"	0.900"		1	R	2.050"	340	1.170"
4843	1.260"	0.875"	0.780"	1 + Damper	R	2.030"	400	1.160"
4845	1.270"	0.875"	0.800"	1 + Damper	R	2.130"	390	1.140"
4235	1.270"	0.885"	0.752"	1 + Damper	R	2.200"	390	1.080"
4028	1.255"	0.920"		1	L	2.100"	190	0.930"
4336 ^D	1.255"	0.920"	0.700"	2	L	2.100"	310	0.850"
4437 ^D	1.255"	0.920"	0.684"	2	L	2.100"	305	0.875"
4823	1.275"	0.930"	0.825"	1 + Damper	L	2.160"	260	0.960"
4828	1.275"	0.920"		1	R	2.140"	340	1.080"
4330 ^D	1.280"	0.926"	0.700"	2	R	1.960"	315	0.925"
4334 ^D	1.280"	0.950"	0.710"	2	L	2.130"	340	0.950"
4335 ^D	1.280"	0.950"	0.684"	2	L	2.170"	355	0.950"
5080	1.283"	0.930"		1	R	1.750"	240	0.930"
4438 ^D	1.295"	0.948"	0.675"	2	R	2.245"	380	1.025"

Note: Springs marked with xxxx-xx^D denotes that it is a double spring.

VALVE SPRINGS OUTSIDE DIAMETER ORDER

Part Number	O/D	ID of Outer	ID of Inner	Spring Type	RH or LH (Outer)	Free Length	Spring Rate (lb/in)	Solid Height
4439 ^D	1.305"	0.950"	0.694"	2	R	2.330"	392	1.020"
5835 ^D	1.325"	0.971"	0.710"	2	R	1.900"	340	0.950"
5827	1.330"	0.980"		1	R	1.860"	228	0.840"
5828 ^D	1.330"	0.980"	0.660"	2	R	1.860"	350	0.840"
5833 ^D	1.330"	0.980"	0.760"	2	R	2.100"	320	0.900"
5840 ^D	1.330"	0.980"	0.720"	2	R	1.930"	335	0.860"
5107	1.330"	0.960"		1	R	1.920"	230	0.930"
5825	1.330"	0.960"		1	R	1.935"	230	0.950"
5838 ^D	1.330"	0.970"	0.690"	2	R	1.940"	370	0.950"
5078 ^D	1.332"	0.990"	0.715	2	L	1.835"	330	1.070"
5854 ^D	1.335"	0.980"	0.690"	2	R	1.960"	410	0.900"
1025	1.370"	1.005"		1	L	2.200"	220	1.030"
5088	1.375"	0.960"		1	R	2.050"	335	1.200"
5092	1.390"	1.000"		1	R	2.035"	245	1.120"
7739	1.420"	1.015"	0.916"	1 + Damper	R	2.160"	330	1.150"
5014	1.420"	1.010"		1	L	2.145"	310	1.250"
5094	1.420"	1.000"		1	L	2.120"	350	1.265"
7734 ^D	1.425"	1.080"	0.800"	2	L	2.400"	280	1.000"
7328 ^D	1.430"	1.080"	0.810"	2	L	2.290"	280	0.960"
7329 ^D	1.435"	1.075"	0.800"	2	L	2.400"	285	0.945"
7736	1.437"	1.030"	0.940"	1 + Damper	L	2.040"	330	1.100"
7331 ^D	1.455"	1.090"	0.800"	2	L	2.380"	310	1.050"
7332 ^D	1.455"	1.090"	0.810"	2	L	2.380"	315	1.050"
7333 ^D	1.455"	1.090"	0.810"	2	L	2.380"	310	1.050"
7334 ^D	1.455"	1.080"	0.810"	2	L	2.440"	320	1.050"
7930 ^D	1.460"	1.000"	.690"	2 + Damper	L	2.360"	350	1.070"
7937 ^D	1.465"	1.000"	0.720"	2 + Damper	L	2.360"	350	1.080"
7733 ^D	1.465"	1.085"	0.790"	2	L	2.470"	320	1.030"
7335	1.465"	1.070"		1	L	2.410"	285	1.040"
7437 ^D	1.470"	1.080"	0.800"	2	L	2.200"	380	1.050"
7341 ^D	1.470"	1.080"	0.800"	2	L	2.280"	430	1.050"

Note: Springs marked with xxxx-xx^D denotes that it is a double spring.

VALVE SPRINGS **OUTSIDE DIAMETER ORDER**

Part Number	O/D	ID of Outer	ID of Inner	Spring Type	RH or LH (Outer)	Free Length	Spring Rate (lb/in)	Solid Height
7342 [Ⓚ]	1.470"	1.080"	0.810"	2	L	2.240"	390	1.040"
7738	1.475"	1.055"	0.960"	1 + Damper	L	2.210"	350	1.180"
5077	1.500"	1.080"	0.99	1 + Damper	R	1.960"	355	1.095"
5091	1.500"	1.080"	0.99	1 + Damper	R	1.960"	360	1.095"
7737	1.510"	1.086"	0.965"	1 + Damper	L	2.220"	360	1.310"
8945 [Ⓚ]	1.510"	1.115"	0.760"	2	L	2.510"	500	1.040"
5002	1.510"	1.090"	0.970"	1 + Damper	L	2.200"	345	1.300"
8333 [Ⓚ]	1.515"	1.120"	0.800"	2	L	2.480"	350	1.210"
8335 [Ⓚ]	1.515"	1.120"	0.795"	2	L	2.480"	322	1.210"
8337 [Ⓚ]	1.515"	1.130"	0.795"	2	L	2.350"	360	1.114"
8937 [Ⓚ]	1.530"	0.980"	0.760"	2 + Damper	L	2.335"	370	1.180"
9936 [Ⓚ]	1.539"	0.990"	0.765"	2 + Damper	L	2.450"	390	1.180"
9941 [Ⓚ]	1.540"	1.025"	0.740"	2 + Damper	R	2.380"	440	1.140"
9945 [Ⓚ]	1.540"	1.000"	0.690"	2 + Damper	L	2.475"	460	1.110"
9950 [Ⓚ]	1.540"	1.000"	0.725"	2 + Damper	L	2.475"	470	1.110"
9731	1.550"	1.125"	1.000"	1 + Damper	L	2.460"	320	1.180"
4910 [Ⓚ]	1.550"	1.150"	0.815"	2	L	2.466"	540	1.110"
4920 [Ⓚ]	1.560"	1.090"	0.775"	2	R	2.475"	620	1.180"

Note: Springs marked with xxxx-xx[Ⓚ] denotes that it is a double spring.

CUSTOM GRINDING SERVICE

Many engine builders know precisely the specifications of the camshaft they wish to run and Crow Cams custom grinding service gives access to Australia's largest choice of masters listed on the following pages. All custom ground cams are produced on our CNC cam grinding machines and cam specs are read directly from each camshaft

Roller Camshafts are priced according to the type of billet used.

These profiles will vary slightly with changes in base circle diameter. For the LS family engines, see separate listing.

HYDRAULIC ROLLER PROFILES

Master Number	0.050" Dur		0.200" Dur		Adv. Dur 0.006"		Lobe Lift		Lobe Sep.
	In	Ex	In	Ex	In	Ex	In.	Ex	
1561	193	202	98	101	262	264	0.275	0.275	112
26	195	196	101	101	270	277	0.273	0.273	112
1524	200	207	102	107	262	270	0.274	0.274	109
759	200	210	110	121	267	277	0.289	0.307	112
1562	202	207	106	110	275	285	0.275	0.275	113
1339	203	209	109	113	268	275	0.281	0.281	118
1440	205	214	105	111	274	283	0.268	0.271	111
1563	207	210	115	118	276	281	0.295	0.295	112
1335	206	212	111	116	256	265	0.283	0.283	114
160	207	207	113	113	267	267	0.281	0.281	112
50	207	209	110	112	265	268	0.28	0.28	117
1430	207	218	126	135	262	274	0.315	0.315	114
160	207	207	113	113	267	267	0.281	0.281	112
1309	209	214	119	122	275	282	0.3	0.3	114
1338	210	210	115	115	272	272	0.282	0.282	118
757	214	218	123	124	280	280	.311	.311	110
1368	211	211	114	114	275	275	0.277	0.277	116
1331	213	209	123	118	277	280	0.288	0.288	115
913	213	226	132	145	267	283	0.324	0.334	116
1370	213	213	123	123	288	288	0.311	0.311	114
1414	213	223	124	134	277	287	0.307	0.318	112
1738	215	223	128	132	274	283	0.333	0.333	114
1371	216	216	125	125	290	290	0.312	0.312	115
799	218	224	127	134	288	291	0.322	0.323	110
1333	218	212	126	122	289	276	0.305	0.304	116
1318	218	214	133	129	281	275	0.332	0.332	111