

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

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	
1565	219	219	130	130	284	284	0.337	0.336	111
1534	219	219	127	127	282	282	0.322	0.322	111
1330	220	227	139	145	276	283	0.328	0.334	110
1395	221	221	126	126	292	292	0.3	0.3	111
1317	222	217	135	130	309	296	0.333	0.333	112
1354	225	224	134	134	293	299	0.319	0.319	116
1528	226	230	135	139	290	290	0.32	0.32	107
1433	228	237	148	155	297	303	0.368	0.365	110
1515	228	234	138	147	294	298	0.359	0.357	110
1734	228	233	141	144	288	290	0.346	0.344	108
1735	232	236	144	146	296	301	0.345	0.346	108
1478	232	236	142	146	296	299	0.323	0.322	108
669	234	240	142	147	304	314	0.331	0.331	110
1574	236	242	144	147	288	295	0.32	0.32	108
1719	238	243	156	157	295	315	0.356	0.378	107
1477	237	241	146	148	307	314	0.325	0.324	107
1315	238	244	150	155	304	308	0.345	0.345	112
1725	241	246	155	158	298	306	0.377	0.378	108
1571	246	246	156	156	310	310	0.380	0.380	110
900	246	253	166	174	301	313	0.359	0.376	110
790	247	246	148	147	323	317	0.322	0.322	110
1435	249	258	158	166	317	326	0.344	0.344	111
905	249	256	169	178	300	311	0.359	0.376	110
1520	258	256	164	164	320	322	0.338	0.339	107
1707	258	263	164	167	324	336	0.355	0.356	103
1708	263	266	170	171	331	334	0.37	0.37	117

SOLID ROLLER PROFILES

Specification of these cams will vary slightly with changes in base circle diameter. Lobe centre is easily changed when machining but lift and duration can only be changed by changing master. We can mix and match profiles, using an inlet lobe of one profile and exhaust of another. Any of the lobes can be used on inlet or exhaust. Availability of billets is an important consideration as it is desirable to use a semi finished billet as close to the finished lobe as possible to minimize the amount of material ground of the lobes.

Master Number	0.050" Dur		0.200" Dur		Adv. Dur 0.020"		Lobe Lift		Lobe Sep.
	In	Ex	In	Ex	In	Ex	In.	Ex	
750	222	220	124	124	262	260	0.334	0.332	109
1328	230	230	124	124	272	272	0.294	0.294	110
752	230	245	140	151	269	286	0.326	0.326	108
1599	232	230	147	146	265	265	0.381	0.380	115
969	233	242	142	147	304	315	0.332	0.332	110
1583	239	240	154	154	272	274	0.378	0.378	116
1471	239	247	150	158	280	288	0.350	0.360	109
618	242	247	155	160	280	284	0.392	0.388	107
691	244	252	145	154	284	291	0.325	0.338	107
1551	245	251	160	165	278	284	0.376	0.376	108
1476	248	250	157	162	288	292	0.383	0.383	106
1548	248	251	162	166	284	284	0.401	0.399	106
1573	248	253	162	166	282	287	0.403	0.402	106
809	249	250	159	163	290	290	0.414	0.410	105
751	250	248	161	161	294	298	0.333	0.333	106
1321	250	250	160	160	284	284	0.350	0.350	107
812	250	259	152	162	284	291	0.340	0.340	106
687	250	260	164	175	288	300	0.397	0.416	106
1532	252	252	166	166	284	284	0.405	0.405	108
816	252	254	156	158	298	303	0.325	0.328	113
1482	252	257	167	172	290	294	0.404	0.404	113
1301	252	260	165	170	286	295	0.360	0.360	108
1601	253	261	164	169	284	290	0.361	0.362	107
1304	253	253	108	108	285	285	0.233	233	108
621	253	264	163	174	289	299	0.373	0.373	104
1305	254	254	163	163	285	285	0.335	0.333	104
1504	254	254	155	155	284	284	0.309	0.309	108
1423	254	262	179	184	284	291	0.429	0.419	110
813	255	255	170	170	288	288	0.381	0.382	110
1417	255	265	175	183	286	296	0.409	0.412	108
1590	257	257	160	160	287	287	0.312	0.312	102