

CROW CAMS

LS CNC PROFILE GUIDE



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In camshaft design and production, Crow Cams has consistently strived to engineer cutting-edge camshaft profiles that produce the ultimate in power and reliability.

Now, Crow Cams is harnessing advanced Cam design and simulation software to refine our camshaft designs.

These designs are now delivered to the latest Masterless CNC camshaft grinders ensuring high precision and consistency in manufacturing processes, resulting in a significant improvement in the accuracy of our finished camshafts.

With this latest technology, we have re-engineered a vast selection of profiles, focusing primarily on new Hydraulic Roller and Solid Roller profiles.

As industry pioneers, we understand that even the smallest changes can significantly impact performance & efficiency and our commitment to precision and perfection drives this continuous innovation.

So, whether you're a professional automotive engineer or a car enthusiast in pursuit of performance, Crow Cams' newly developed camshaft profiles are set to deliver.

In the following pages is a comprehensive list of our current Hydraulic and Solid roller profiles for the GM LS platform.

For total flexibility, you can select the intake and exhaust from different masters and change lobe separation as required.

Our technical team will review your selection/s and confirm the specs with you prior to production

LS CNC Profiles

Hydraulic Roller

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Profile Number	Duration @ .050"		Duration @ .006"		Duration @ .200"		Valve Lift @ 1.7 RR		Lobe Lift		Type
	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9083	196	209	245	258	119	131	0.555	0.565	0.326	0.332	HR
9128	206	212	263	270	121	125	0.525	0.525	0.309	0.309	HR
9162	208	219	257	268	130	138	0.550	0.550	0.324	0.324	HR
9256	210	220	264	274	121	128	0.500	0.500	0.294	0.294	HR
9149	212	218	264	270	134	138	0.550	0.550	0.324	0.324	HR
9306	212	222	264	274	130	138	0.552	0.552	0.325	0.325	HR
9046	213	224	261	271	136	145	0.595	0.595	0.350	0.350	HR
9069	213	222	261	269	134	136	0.551	0.519	0.324	0.305	HR
9085	213	223	269	280	129	137	0.560	0.560	0.329	0.329	HR
9362	214	226	271	283	133	142	0.550	0.550	0.324	0.324	HR
9080	215	230	264	280	135	141	0.551	0.519	0.324	0.305	HR
9073	216	226	267	277	137	146	0.590	0.598	0.347	0.352	HR
9114	216	220	267	272	137	140	0.590	0.590	0.347	0.347	HR
9175	216	220	270	283	140	142	0.600	0.593	0.353	0.349	HR

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	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9340	216	221	278	278	130	134	0.550	0.550	0.324	0.324	HR
9366	216	225	265	275	140	149	0.629	0.629	0.370	0.370	HR
9396	216	224	269	277	133	139	0.551	0.551	0.324	0.324	HR
9145	218	224	269	277	141	145	0.570	0.570	0.335	0.335	HR
9272	218	224	273	279	125	132	0.500	0.500	0.294	0.294	HR
9397	218	236	272	291	141	158	0.625	0.630	0.368	0.371	HR
9168	219	233	269	282	137	145	0.553	0.536	0.325	0.315	HR
9342	219	236	271	289	238	137	0.500	0.500	0.294	0.294	HR
9059	220	220	268	268	139	139	0.580	0.580	0.341	0.341	HR
9036	221	238	271	285	143	158	0.612	0.615	0.360	0.362	HR
9110	222	230	273	280	145	151	0.613	0.613	0.361	0.361	HR
9294	222	229	271	278	145	150	0.600	0.600	0.353	0.353	HR
9309	222	231	273	282	145	152	0.600	0.600	0.353	0.353	HR
9401	222	240	276	297	130	141	0.500	0.500	0.294	0.294	HR

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	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9120	223	238	272	285	145	158	0.612	0.615	0.360	0.362	HR
9183	223	243	273	292	147	163	0.612	0.615	0.360	0.362	HR
9035	224	228	278	281	138	142	0.560	0.564	0.329	0.332	HR
9060	224	236	272	284	148	158	0.625	0.620	0.368	0.365	HR
9246	224	237	273	285	147	158	0.600	0.600	0.353	0.353	HR
9271	224	237	278	290	147	158	0.610	0.610	0.359	0.359	HR
9283	224	224	275	275	146	146	0.600	0.600	0.353	0.353	HR
9093	225	235	275	286	147	156	0.610	0.610	0.359	0.359	HR
9263	225	231	299	294	142	149	0.590	0.595	0.347	0.350	HR
9102	226	238	274	286	150	159	0.620	0.617	0.365	0.363	HR
9144	226	232	277	283	153	155	0.620	0.605	0.365	0.356	HR
9344	226	242	278	296	132	142	0.500	0.500	0.294	0.294	HR
9353	226	235	278	288	148	153	0.612	0.595	0.360	0.350	HR
9123	227	235	278	289	147	153	0.610	0.614	0.359	0.361	HR

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	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9152	227	242	278	295	153	164	0.623	0.621	0.366	0.365	HR
9158	227	243	277	295	152	166	0.614	0.624	0.361	0.367	HR
9229	227	241	277	291	145	153	0.561	0.545	0.330	0.321	HR
9355	227	244	280	298	146	160	0.570	0.570	0.335	0.335	HR
9249	228	238	282	291	139	146	0.523	0.523	0.308	0.308	HR
9267	228	238	281	291	151	162	0.643	0.647	0.378	0.381	HR
9377	228	234	278	282	149	155	0.604	0.609	0.355	0.358	HR
9010	229	238	278	286	151	158	0.620	0.612	0.365	0.360	HR
9038	229	244	282	297	150	164	0.630	0.616	0.371	0.362	HR
9228	229	247	276	297	154	172	0.630	0.650	0.371	0.382	HR
9243	229	246	280	296	150	164	0.600	0.600	0.353	0.353	HR
9280	229	256	281	308	151	176	0.629	0.636	0.370	0.374	HR
9334	229	256	283	311	150	171	0.610	0.610	0.359	0.359	HR
9335	229	254	288	294	149	154	0.610	0.610	0.359	0.359	HR

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	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9398	229	242	280	294	150	160	0.600	0.600	0.353	0.353	HR
9042	230	241	281	293	152	162	0.614	0.607	0.361	0.357	HR
9064	230	236	278	286	150	154	0.600	0.600	0.353	0.353	HR
9130	230	246	279	296	153	166	0.630	0.624	0.371	0.367	HR
9132	230	235	286	291	151	155	0.615	0.615	0.362	0.362	HR
9226	230	236	279	286	156	162	0.615	0.620	0.362	0.365	HR
9305	230	236	280	287	152	156	0.615	0.615	0.362	0.362	HR
9348	230	246	284	301	147	158	0.615	0.615	0.362	0.362	HR
9006	231	239	286	297	152	157	0.610	0.610	0.359	0.359	HR
9076	231	245	283	298	156	168	0.648	0.614	0.381	0.361	HR
9088	231	243	287	300	150	161	0.632	0.632	0.372	0.372	HR
9281	231	241	282	293	150	160	0.565	0.565	0.332	0.332	HR
9332	231	241	282	293	153	160	0.630	0.630	0.371	0.371	HR
9368	231	242	281	292	152	161	0.610	0.614	0.359	0.361	HR

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	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9052	232	242	285	294	146	154	0.550	0.550	0.324	0.324	HR
9062	232	236	279	288	153	155	0.607	0.617	0.357	0.363	HR
9117	232	250	285	307	153	168	0.620	0.630	0.365	0.371	HR
9135	232	238	281	287	145	149	0.529	0.529	0.311	0.311	HR
9299	232	232	284	284	151	151	0.574	0.574	0.338	0.338	HR
9358	232	237	285	290	153	157	0.630	0.630	0.371	0.371	HR
9400	232	236	288	292	139	141	0.510	0.510	0.300	0.300	HR
9402	232	238	282	289	154	159	0.612	0.617	0.360	0.363	HR
9407	232	234	283	285	151	153	0.590	0.596	0.347	0.351	HR
9009	233	238	286	290	152	155	0.620	0.612	0.365	0.360	HR
9092	233	241	288	296	151	155	0.609	0.609	0.358	0.358	HR
9140	233	238	284	288	152	156	0.592	0.604	0.348	0.355	HR
9197	233	248	283	298	151	165	0.600	0.600	0.353	0.353	HR
9012	234	239	290	295	151	155	0.618	0.617	0.364	0.363	HR

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	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9031	234	248	286	300	159	170	0.648	0.614	0.381	0.361	HR
9072	234	241	283	290	151	157	0.580	0.580	0.341	0.341	HR
9127	234	254	285	303	155	170	0.610	0.610	0.359	0.359	HR
9154	234	242	286	295	158	166	0.600	0.600	0.353	0.353	HR
9265	234	256	284	307	157	176	0.630	0.630	0.371	0.371	HR
9307	234	242	284	297	157	161	0.629	0.620	0.370	0.365	HR
9349	234	240	290	296	143	146	0.510	0.510	0.300	0.300	HR
9361	234	250	286	304	144	155	0.530	0.530	0.312	0.312	HR
9372	234	250	287	303	158	172	0.630	0.630	0.371	0.371	HR
9375	234	244	285	297	154	162	0.612	0.612	0.360	0.360	HR
9033	235	246	300	311	155	163	0.630	0.620	0.371	0.365	HR
9048	236	246	284	293	157	165	0.612	0.612	0.360	0.360	HR
9081	236	250	284	298	160	173	0.630	0.630	0.371	0.371	HR
9090	236	246	287	304	149	153	0.551	0.551	0.324	0.324	HR

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	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9121	236	246	286	296	155	162	0.600	0.600	0.353	0.353	HR
9125	236	250	286	301	158	167	0.630	0.600	0.371	0.353	HR
9147	236	243	287	295	160	166	0.621	0.624	0.365	0.367	HR
9176	236	245	286	294	158	166	0.624	0.624	0.367	0.367	HR
9210	236	249	288	303	160	169	0.620	0.620	0.365	0.365	HR
9220	236	244	286	295	157	163	0.624	0.624	0.367	0.367	HR
9236	236	242	286	292	160	163	0.630	0.610	0.371	0.359	HR
9259	236	242	286	291	159	163	0.620	0.620	0.365	0.365	HR
9278	236	246	290	300	158	167	0.616	0.620	0.362	0.365	HR
9288	236	252	294	309	160	172	0.646	0.637	0.380	0.375	HR
9313	236	250	290	303	155	166	0.620	0.620	0.365	0.365	HR
9326	236	246	290	300	154	161	0.604	0.604	0.355	0.355	HR
9356	236	252	288	304	156	167	0.620	0.600	0.365	0.353	HR
9376	236	246	288	299	156	165	0.620	0.620	0.365	0.365	HR

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	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9392	236	246	293	306	156	158	0.618	0.593	0.364	0.349	HR
9045	237	243	286	292	157	161	0.615	0.620	0.362	0.365	HR
9139	237	244	294	298	154	162	0.612	0.612	0.360	0.360	HR
9241	237	256	288	308	159	174	0.630	0.630	0.371	0.371	HR
9373	237	251	287	301	160	170	0.640	0.630	0.376	0.371	HR
9028	238	250	285	297	145	155	0.510	0.510	0.300	0.300	HR
9155	238	254	291	308	158	171	0.625	0.625	0.368	0.368	HR
9194	238	238	290	290	160	160	0.625	0.625	0.368	0.368	HR
9230	238	246	286	294	162	168	0.630	0.630	0.371	0.371	HR
9232	238	246	288	296	162	169	0.620	0.620	0.365	0.365	HR
9253	238	244	289	295	161	166	0.630	0.630	0.371	0.371	HR
9255	238	256	290	308	162	177	0.670	0.670	0.394	0.394	HR
9275	238	259	310	288	163	180	0.654	0.654	0.385	0.385	HR
9290	238	252	292	305	160	170	0.659	0.640	0.388	0.376	HR

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	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9328	238	242	291	295	156	158	0.610	0.610	0.359	0.359	HR
9337	238	246	291	300	161	167	0.680	0.680	0.400	0.400	HR
9364	238	234	287	286	160	154	0.626	0.626	0.368	0.368	HR
9386	238	256	287	305	158	172	0.650	0.650	0.382	0.382	HR
9394	238	254	289	304	158	170	0.610	0.610	0.359	0.359	HR
9014	239	251	290	302	152	163	0.570	0.570	0.335	0.335	HR
9017	239	243	290	294	159	162	0.603	0.605	0.355	0.356	HR
9056	239	256	292	307	159	170	0.649	0.610	0.382	0.359	HR
9097	239	252	290	303	160	170	0.640	0.625	0.376	0.368	HR
9112	239	249	294	306	147	152	0.529	0.529	0.311	0.311	HR
9163	239	256	288	305	161	176	0.629	0.629	0.370	0.370	HR
9164	239	244	287	292	159	163	0.595	0.595	0.350	0.350	HR
9177	239	256	289	307	161	175	0.629	0.629	0.370	0.370	HR
9198	239	244	289	293	162	166	0.625	0.625	0.368	0.368	HR

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	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9212	239	256	292	309	161	176	0.585	0.585	0.344	0.344	HR
9254	239	250	289	301	162	171	0.630	0.630	0.371	0.371	HR
9268	239	243	289	300	162	163	0.630	0.630	0.371	0.371	HR
9330	239	244	289	295	161	165	0.650	0.650	0.382	0.382	HR
9384	239	258	291	309	159	175	0.650	0.650	0.382	0.382	HR
9037	240	245	294	300	161	163	0.651	0.651	0.383	0.383	HR
9050	240	256	290	307	161	172	0.620	0.603	0.365	0.355	HR
9078	240	250	289	300	160	169	0.620	0.620	0.365	0.365	HR
9105	240	246	290	296	161	166	0.630	0.630	0.371	0.371	HR
9142	240	252	293	306	163	172	0.654	0.654	0.385	0.385	HR
9143	240	242	291	294	157	159	0.600	0.600	0.353	0.353	HR
9179	240	250	297	308	163	170	0.642	0.642	0.378	0.378	HR
9206	240	260	290	312	162	177	0.629	0.629	0.370	0.370	HR
9238	240	250	291	301	160	167	0.605	0.605	0.356	0.356	HR

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	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9245	240	249	291	300	160	169	0.620	0.625	0.365	0.368	HR
9279	240	248	291	301	162	167	0.620	0.620	0.365	0.365	HR
9354	240	252	293	310	160	169	0.621	0.615	0.365	0.362	HR
9003	241	251	290	299	149	155	0.523	0.523	0.308	0.308	HR
9129	241	243	291	294	162	163	0.607	0.610	0.357	0.359	HR
9211	241	249	291	300	162	168	0.622	0.614	0.366	0.361	HR
9365	241	257	291	307	161	175	0.624	0.624	0.367	0.367	HR
9390	241	253	292	304	159	168	0.630	0.630	0.371	0.371	HR
9007	242	258	295	309	164	177	0.646	0.646	0.380	0.380	HR
9061	242	245	292	295	163	166	0.623	0.623	0.366	0.366	HR
9086	242	251	298	308	161	168	0.637	0.637	0.375	0.375	HR
9109	242	252	292	303	162	171	0.620	0.620	0.365	0.365	HR
9138	242	254	295	308	165	174	0.624	0.620	0.367	0.365	HR
9169	242	248	290	299	163	168	0.620	0.620	0.365	0.365	HR

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	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9171	242	260	291	309	160	175	0.595	0.595	0.350	0.350	HR
9189	242	260	291	309	164	178	0.630	0.630	0.371	0.371	HR
9223	242	246	290	294	162	166	0.527	0.527	0.310	0.310	HR
9260	242	252	294	307	163	172	0.620	0.620	0.365	0.365	HR
9289	242	260	292	311	163	178	0.620	0.620	0.365	0.365	HR
9291	242	248	295	303	149	151	0.510	0.510	0.300	0.300	HR
9336	242	246	294	298	151	154	0.530	0.530	0.312	0.312	HR
9338	242	254	299	311	150	160	0.530	0.530	0.312	0.312	HR
9399	242	254	294	306	161	173	0.630	0.630	0.371	0.371	HR
9034	243	251	294	308	164	178	0.640	0.602	0.376	0.354	HR
9395	243	255	293	314	159	161	0.593	0.555	0.349	0.326	HR
9051	244	260	293	310	164	179	0.630	0.635	0.371	0.374	HR
9067	244	261	293	310	165	180	0.635	0.630	0.374	0.371	HR
9103	244	248	294	297	151	156	0.525	0.525	0.309	0.309	HR

LS CNC Profiles

Hydraulic Roller

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Profile Number	Duration @ .050"		Duration @ .006"		Duration @ .200"		Valve Lift @ 1.7 RR		Lobe Lift		Type
	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9119	244	262	295	315	165	180	0.630	0.630	0.371	0.371	HR
9157	244	260	295	313	169	181	0.650	0.650	0.382	0.382	HR
9172	244	254	295	305	164	171	0.610	0.610	0.359	0.359	HR
9178	244	260	299	312	163	176	0.604	0.604	0.355	0.355	HR
9215	244	260	295	314	168	182	0.660	0.660	0.388	0.388	HR
9221	244	254	296	306	168	176	0.650	0.650	0.382	0.382	HR
9225	244	262	293	311	163	178	0.595	0.595	0.350	0.350	HR
9250	244	248	293	298	165	168	0.620	0.620	0.365	0.365	HR
9270	244	256	297	309	166	176	0.629	0.616	0.370	0.362	HR
9282	244	267	301	325	164	184	0.635	0.635	0.374	0.374	HR
9287	244	260	298	314	164	178	0.612	0.612	0.360	0.360	HR
9388	244	250	295	301	163	168	0.650	0.650	0.382	0.382	HR
9079	245	256	294	306	165	174	0.620	0.620	0.365	0.365	HR
9126	245	254	295	304	163	170	0.610	0.610	0.359	0.359	HR

LS CNC Profiles

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Profile Number	Duration @ .050"		Duration @ .006"		Duration @ .200"		Valve Lift @ 1.7 RR		Lobe Lift		Type
	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9066	246	262	294	311	166	180	0.620	0.630	0.365	0.371	HR
9082	246	258	295	307	165	176	0.608	0.608	0.358	0.358	HR
9084	246	252	273	279	164	170	0.619	0.619	0.364	0.364	HR
9141	246	258	299	311	165	176	0.625	0.625	0.368	0.368	HR
9148	246	260	295	309	165	178	0.610	0.610	0.359	0.359	HR
9160	246	256	295	306	167	175	0.625	0.625	0.368	0.368	HR
9186	246	258	297	309	167	178	0.639	0.639	0.376	0.376	HR
9222	246	262	294	310	170	186	0.640	0.640	0.376	0.376	HR
9325	246	256	296	307	165	172	0.620	0.620	0.365	0.365	HR
9346	246	258	298	310	167	176	0.640	0.640	0.376	0.376	HR
9374	246	263	296	312	166	179	0.620	0.625	0.365	0.368	HR
9387	246	262	297	312	168	182	0.640	0.640	0.376	0.376	HR
9412	246	260	298	312	165	178	0.630	0.630	0.371	0.371	HR
9027	247	260	293	306	167	179	0.630	0.630	0.371	0.371	HR

LS CNC Profiles

Hydraulic Roller

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Profile Number	Duration @ .050"		Duration @ .006"		Duration @ .200"		Valve Lift @ 1.7 RR		Lobe Lift		Type
	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9043	247	251	298	303	165	169	0.620	0.625	0.365	0.368	HR
9116	248	265	300	314	170	185	0.629	0.624	0.370	0.367	HR
9150	248	260	302	310	171	182	0.632	0.632	0.372	0.372	HR
9182	248	260	301	314	168	180	0.603	0.603	0.355	0.355	HR
9187	248	260	299	311	167	176	0.615	0.615	0.362	0.362	HR
9190	248	260	300	312	167	177	0.625	0.625	0.368	0.368	HR
9204	248	260	301	313	171	183	0.630	0.630	0.371	0.371	HR
9216	248	248	299	302	170	162	0.620	0.580	0.365	0.341	HR
9235	248	266	299	317	170	186	0.613	0.613	0.361	0.361	HR
9237	248	266	299	317	170	186	0.630	0.630	0.371	0.371	HR
9248	248	262	299	313	167	181	0.620	0.620	0.365	0.365	HR
9391	248	262	303	317	164	176	0.595	0.595	0.350	0.350	HR
9404	248	268	304	320	169	186	0.646	0.646	0.380	0.380	HR
9341	249	257	305	313	166	172	0.650	0.650	0.382	0.382	HR

LS CNC Profiles

Hydraulic Roller

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Profile Number	Duration @ .050"		Duration @ .006"		Duration @ .200"		Valve Lift @ 1.7 RR		Lobe Lift		Type
	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9008	250	263	297	312	170	182	0.630	0.630	0.371	0.371	HR
9063	250	262	298	311	169	178	0.620	0.620	0.365	0.365	HR
9111	250	265	309	326	170	182	0.680	0.680	0.400	0.400	HR
9191	250	260	301	310	171	179	0.630	0.630	0.371	0.371	HR
9252	250	263	300	314	170	181	0.629	0.623	0.370	0.366	HR
9277	250	257	302	311	174	179	0.660	0.660	0.388	0.388	HR
9304	250	270	302	322	170	188	0.630	0.630	0.371	0.371	HR
9308	250	258	310	318	161	169	0.613	0.618	0.361	0.364	HR
9357	250	262	304	316	169	178	0.640	0.640	0.376	0.376	HR
9011	252	260	301	309	175	182	0.654	0.654	0.385	0.385	HR
9174	252	267	302	317	173	185	0.637	0.637	0.375	0.375	HR
9231	252	266	303	317	177	190	0.650	0.650	0.382	0.382	HR
9352	252	268	307	323	172	185	0.650	0.650	0.382	0.382	HR
9363	252	268	307	323	170	183	0.630	0.630	0.371	0.371	HR

LS CNC Profiles

Hydraulic Roller

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Profile Number	Duration @ .050"		Duration @ .006"		Duration @ .200"		Valve Lift @ 1.7 RR		Lobe Lift		Type
	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9378	252	276	302	326	173	194	0.630	0.630	0.371	0.371	HR
9379	252	268	302	316	174	186	0.680	0.680	0.400	0.400	HR
9047	254	264	305	314	172	181	0.626	0.629	0.368	0.370	HR
9118	254	262	310	321	173	178	0.650	0.650	0.382	0.382	HR
9153	254	274	309	327	170	188	0.629	0.629	0.370	0.370	HR
9165	254	260	304	309	174	179	0.630	0.630	0.371	0.371	HR
9185	254	272	306	325	177	192	0.680	0.680	0.400	0.400	HR
9295	254	267	304	318	176	188	0.650	0.650	0.382	0.382	HR
9054	255	271	305	321	172	188	0.624	0.624	0.367	0.367	HR
9106	255	262	305	316	177	179	0.664	0.647	0.391	0.381	HR
9180	255	268	306	320	176	188	0.660	0.660	0.388	0.388	HR
9297	255	263	308	316	176	182	0.650	0.650	0.382	0.382	HR
9300	255	265	308	318	177	185	0.650	0.650	0.382	0.382	HR
9351	255	262	305	317	177	180	0.665	0.647	0.391	0.381	HR

LS CNC Profiles

Hydraulic Roller

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	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9025	256	273	305	323	178	193	0.695	0.695	0.409	0.409	HR
9101	256	268	305	318	176	186	0.646	0.646	0.380	0.380	HR
9156	256	272	308	321	181	197	0.680	0.680	0.400	0.400	HR
9227	256	266	310	320	179	188	0.661	0.661	0.389	0.389	HR
9005	257	265	308	315	177	184	0.646	0.646	0.380	0.380	HR
9100	257	270	305	319	179	190	0.646	0.637	0.380	0.375	HR
9115	257	270	314	329	169	179	0.600	0.600	0.353	0.353	HR
9205	257	265	310	317	179	186	0.674	0.674	0.396	0.396	HR
9217	257	272	307	323	181	193	0.660	0.660	0.388	0.388	HR
9224	257	270	304	317	178	188	0.630	0.630	0.371	0.371	HR
9383	257	277	306	327	180	195	0.661	0.661	0.389	0.389	HR
9104	258	272	311	326	177	188	0.639	0.639	0.376	0.376	HR
9137	258	266	307	316	172	179	0.595	0.595	0.350	0.350	HR
9350	258	274	310	326	180	194	0.700	0.700	0.412	0.412	HR

LS CNC Profiles

Hydraulic Roller

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	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	
9389	258	262	308	312	178	180	0.630	0.630	0.371	0.371	HR
9134	260	270	309	319	176	186	0.614	0.614	0.361	0.361	HR
9360	260	279	314	334	177	193	0.680	0.680	0.400	0.400	HR
9370	260	272	312	324	177	186	0.629	0.629	0.370	0.370	HR
9371	260	272	314	326	182	192	0.720	0.720	0.424	0.424	HR
9026	262	265	314	317	176	178	0.630	0.630	0.371	0.371	HR
9070	262	268	311	316	180	186	0.650	0.650	0.382	0.382	HR
9343	262	278	315	331	172	184	0.610	0.610	0.359	0.359	HR
9107	264	276	317	329	182	192	0.642	0.642	0.378	0.378	HR
9133	264	276	314	327	184	195	0.670	0.666	0.394	0.392	HR
9315	266	274	340	349	183	190	0.763	0.756	0.449	0.445	HR
9023	267	273	316	323	186	190	0.646	0.646	0.380	0.380	HR
9057	268	278	321	333	184	192	0.620	0.620	0.365	0.365	HR
9408	268	286	318	339	189	205	0.680	0.680	0.400	0.400	HR

LS CNC Profiles

Solid Roller

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Profile Number	Dur @ .050"		Dur @ .020"		Dur @ .200"		Valve Lift @ 1.7 RR at .000" lash		Lobe Lift		Lash (Hot)		Type
	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	IN	EX	
9261	230	242	263	275	151	161	0.630	0.630	0.371	0.371	.014"	.014"	SR
9113	237	249	268	281	158	168	0.680	0.680	0.400	0.400	.014"	.014"	SR
9213	242	256	276	289	152	176	0.630	0.630	0.371	0.371	.014"	.014"	SR
9244	242	250	273	281	164	170	0.651	0.632	0.383	0.372	.012"	.014"	SR
9380	247	262	279	294	167	180	0.664	0.664	0.391	0.391	.014"	.014"	SR
9077	248	262	277	291	168	180	0.680	0.680	0.400	0.400	.013"	.015"	SR
9053	249	257	282	284	170	173	0.754	0.714	0.444	0.420	.016"	.016"	SR
9209	250	256	284	291	172	174	0.666	0.666	0.392	0.392	.014"	.016"	SR
9393	251	258	282	290	168	173	0.637	0.637	0.375	0.375	.016"	.016"	SR
9151	252	260	279	287	169	175	0.612	0.612	0.360	0.360	.012"	.012"	SR
9161	252	264	280	291	172	184	0.646	0.646	0.380	0.380	.016"	.016"	SR
9382	252	262	284	294	174	183	0.714	0.714	0.420	0.420	.014"	.014"	SR
9192	253	260	282	290	172	178	0.660	0.660	0.388	0.388	.014"	.014"	SR
9040	254	262	281	290	176	184	0.676	0.688	0.398	0.405	.012"	.014"	SR

LS CNC Profiles

Solid Roller

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Profile Number	Dur @ .050"		Dur @ .020"		Dur @ .200"		Valve Lift @ 1.7 RR at .000" lash		Lobe Lift		Lash (Hot)		Type
	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	IN	EX	
9122	254	262	286	295	175	182	0.710	0.710	0.418	0.418	.016"	.016"	SR
9094	255	262	283	290	179	185	0.780	0.780	0.459	0.459	.016"	.016"	SR
9146	256	269	298	316	170	178	0.665	0.665	0.391	0.391	.016"	.016"	SR
9184	256	263	286	293	177	184	0.656	0.666	0.386	0.392	.016"	.016"	SR
9098	257	265	289	298	179	186	0.765	0.765	0.450	0.450	.014"	.014"	SR
9136	258	268	290	303	178	185	0.748	0.748	0.440	0.440	.014"	.014"	SR
9240	258	272	290	305	179	191	0.705	0.705	0.415	0.415	.014"	.014"	SR
9411	258	264	292	297	175	180	0.670	0.670	0.394	0.394	.014"	.014"	SR
9413	258	270	289	301	178	188	0.714	0.714	0.420	0.420	.014"	.014"	SR
9041	259	264	287	291	181	186	0.689	0.689	0.405	0.405	.014"	.016"	SR
9087	259	265	285	292	183	189	0.685	0.685	0.403	0.403	.016"	.016"	SR
9099	260	266	289	294	172	178	0.594	0.594	0.349	0.349	.014"	.014"	SR
9188	260	266	289	296	178	183	0.683	0.683	0.402	0.402	.016"	.018"	SR
9193	260	274	291	307	178	187	0.644	0.624	0.379	0.367	.012"	.012"	SR

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Profile Number	Dur @ .050"		Dur @ .020"		Dur @ .200"		Valve Lift @ 1.7 RR at .000" lash		Lobe Lift		Lash (Hot)		Type
	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	IN	EX	
9369	260	272	294	308	178	187	0.703	0.703	0.414	0.414	.014"	.014"	SR
9071	262	268	291	297	183	190	0.692	0.704	0.407	0.414	.012"	.012"	SR
9405	262	278	294	310	182	197	0.714	0.714	0.420	0.420	.014"	.014"	SR
9406	262	276	295	309	182	195	0.736	0.736	0.433	0.433	.014"	.014"	SR
9251	262	269	293	303	181	186	0.675	0.680	0.397	0.400	.014"	.014"	SR
9301	262	278	297	312	181	195	0.714	0.714	0.420	0.420	.015"	.015"	SR
9044	264	276	292	304	186	197	0.748	0.748	0.440	0.440	.010"	.012"	SR
9075	264	268	293	297	186	191	0.707	0.707	0.416	0.416	.012"	.012"	SR
9108	264	269	295	299	180	186	0.710	0.722	0.418	0.425	.020"	.020"	SR
9207	264	274	295	305	187	196	0.765	0.765	0.450	0.450	.014"	.014"	SR
9302	264	278	298	312	182	194	0.720	0.720	0.424	0.424	.014"	.014"	SR
9013	265	269	346	350	176	181	0.765	0.773	0.450	0.455	.016"	.016"	SR
9018	265	275	292	302	188	198	0.761	0.761	0.448	0.448	.014"	.014"	SR
9089	265	275	293	304	188	196	0.717	0.717	0.422	0.422	.016"	.016"	SR

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	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	IN	EX	
9096	265	278	298	311	187	199	0.748	0.756	0.440	0.445	.016"	.016"	SR
9166	265	275	296	308	183	193	0.670	0.670	0.394	0.394	.012"	.012"	SR
9195	265	275	296	307	182	190	0.642	0.642	0.378	0.378	.012"	.012"	SR
9339	265	275	295	309	188	193	0.810	0.810	0.476	0.476	.014"	.014"	SR
9347	265	278	300	312	180	193	0.720	0.720	0.424	0.424	.014"	.014"	SR
9055	266	274	294	303	188	196	0.731	0.739	0.430	0.435	.010"	.012"	SR
9124	266	270	298	302	187	190	0.748	0.748	0.440	0.440	.014"	.014"	SR
9074	268	274	296	302	183	188	0.620	0.625	0.365	0.368	.012"	.012"	SR
9199	268	280	300	312	187	197	0.690	0.690	0.406	0.406	.014"	.014"	SR
9367	268	280	303	315	187	197	0.748	0.748	0.440	0.440	.016"	.016"	SR
9410	268	276	304	312	182	189	0.675	0.675	0.397	0.397	.016"	.016"	SR
9409	269	288	301	320	190	208	0.750	0.750	0.441	0.441	.014"	.014"	SR
9345	275	287	310	322	191	201	0.730	0.730	0.429	0.429	.014"	.014"	SR
9068	276	294	307	325	198	215	0.765	0.790	0.450	0.465	.008"	.008"	SR

