

# **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	
<b>9083</b>	196	209	245	258	119	131	0.555	0.565	0.326	0.332	HR
<b>9128</b>	206	212	263	270	121	125	0.525	0.525	0.309	0.309	HR
<b>9162</b>	208	219	257	268	130	138	0.550	0.550	0.324	0.324	HR
<b>9256</b>	210	220	264	274	121	128	0.500	0.500	0.294	0.294	HR
<b>9149</b>	212	218	264	270	134	138	0.550	0.550	0.324	0.324	HR
<b>9306</b>	212	222	264	274	130	138	0.552	0.552	0.325	0.325	HR
<b>9046</b>	213	224	261	271	136	145	0.595	0.595	0.350	0.350	HR
<b>9069</b>	213	222	261	269	134	136	0.551	0.519	0.324	0.305	HR
<b>9085</b>	213	223	269	280	129	137	0.560	0.560	0.329	0.329	HR
<b>9362</b>	214	226	271	283	133	142	0.550	0.550	0.324	0.324	HR
<b>9080</b>	215	230	264	280	135	141	0.551	0.519	0.324	0.305	HR
<b>9073</b>	216	226	267	277	137	146	0.590	0.598	0.347	0.352	HR
<b>9114</b>	216	220	267	272	137	140	0.590	0.590	0.347	0.347	HR
<b>9175</b>	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	
<b>9340</b>	216	221	278	278	130	134	0.550	0.550	0.324	0.324	HR
<b>9366</b>	216	225	265	275	140	149	0.629	0.629	0.370	0.370	HR
<b>9396</b>	216	224	269	277	133	139	0.551	0.551	0.324	0.324	HR
<b>9145</b>	218	224	269	277	141	145	0.570	0.570	0.335	0.335	HR
<b>9272</b>	218	224	273	279	125	132	0.500	0.500	0.294	0.294	HR
<b>9397</b>	218	236	272	291	141	158	0.625	0.630	0.368	0.371	HR
<b>9168</b>	219	233	269	282	137	145	0.553	0.536	0.325	0.315	HR
<b>9342</b>	219	236	271	289	238	137	0.500	0.500	0.294	0.294	HR
<b>9059</b>	220	220	268	268	139	139	0.580	0.580	0.341	0.341	HR
<b>9036</b>	221	238	271	285	143	158	0.612	0.615	0.360	0.362	HR
<b>9110</b>	222	230	273	280	145	151	0.613	0.613	0.361	0.361	HR
<b>9294</b>	222	229	271	278	145	150	0.600	0.600	0.353	0.353	HR
<b>9309</b>	222	231	273	282	145	152	0.600	0.600	0.353	0.353	HR
<b>9401</b>	222	240	276	297	130	141	0.500	0.500	0.294	0.294	HR

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

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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	
<b>9152</b>	227	242	278	295	153	164	0.623	0.621	0.366	0.365	HR
<b>9158</b>	227	243	277	295	152	166	0.614	0.624	0.361	0.367	HR
<b>9229</b>	227	241	277	291	145	153	0.561	0.545	0.330	0.321	HR
<b>9355</b>	227	244	280	298	146	160	0.570	0.570	0.335	0.335	HR
<b>9249</b>	228	238	282	291	139	146	0.523	0.523	0.308	0.308	HR
<b>9267</b>	228	238	281	291	151	162	0.643	0.647	0.378	0.381	HR
<b>9377</b>	228	234	278	282	149	155	0.604	0.609	0.355	0.358	HR
<b>9010</b>	229	238	278	286	151	158	0.620	0.612	0.365	0.360	HR
<b>9038</b>	229	244	282	297	150	164	0.630	0.616	0.371	0.362	HR
<b>9228</b>	229	247	276	297	154	172	0.630	0.650	0.371	0.382	HR
<b>9243</b>	229	246	280	296	150	164	0.600	0.600	0.353	0.353	HR
<b>9280</b>	229	256	281	308	151	176	0.629	0.636	0.370	0.374	HR
<b>9334</b>	229	256	283	311	150	171	0.610	0.610	0.359	0.359	HR
<b>9335</b>	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	
<b>9398</b>	229	242	280	294	150	160	0.600	0.600	0.353	0.353	HR
<b>9042</b>	230	241	281	293	152	162	0.614	0.607	0.361	0.357	HR
<b>9064</b>	230	236	278	286	150	154	0.600	0.600	0.353	0.353	HR
<b>9130</b>	230	246	279	296	153	166	0.630	0.624	0.371	0.367	HR
<b>9132</b>	230	235	286	291	151	155	0.615	0.615	0.362	0.362	HR
<b>9226</b>	230	236	279	286	156	162	0.615	0.620	0.362	0.365	HR
<b>9305</b>	230	236	280	287	152	156	0.615	0.615	0.362	0.362	HR
<b>9348</b>	230	246	284	301	147	158	0.615	0.615	0.362	0.362	HR
<b>9006</b>	231	239	286	297	152	157	0.610	0.610	0.359	0.359	HR
<b>9076</b>	231	245	283	298	156	168	0.648	0.614	0.381	0.361	HR
<b>9088</b>	231	243	287	300	150	161	0.632	0.632	0.372	0.372	HR
<b>9281</b>	231	241	282	293	150	160	0.565	0.565	0.332	0.332	HR
<b>9332</b>	231	241	282	293	153	160	0.630	0.630	0.371	0.371	HR
<b>9368</b>	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	
<b>9052</b>	232	242	285	294	146	154	0.550	0.550	0.324	0.324	HR
<b>9062</b>	232	236	279	288	153	155	0.607	0.617	0.357	0.363	HR
<b>9117</b>	232	250	285	307	153	168	0.620	0.630	0.365	0.371	HR
<b>9135</b>	232	238	281	287	145	149	0.529	0.529	0.311	0.311	HR
<b>9299</b>	232	232	284	284	151	151	0.574	0.574	0.338	0.338	HR
<b>9358</b>	232	237	285	290	153	157	0.630	0.630	0.371	0.371	HR
<b>9400</b>	232	236	288	292	139	141	0.510	0.510	0.300	0.300	HR
<b>9402</b>	232	238	282	289	154	159	0.612	0.617	0.360	0.363	HR
<b>9407</b>	232	234	283	285	151	153	0.590	0.596	0.347	0.351	HR
<b>9009</b>	233	238	286	290	152	155	0.620	0.612	0.365	0.360	HR
<b>9092</b>	233	241	288	296	151	155	0.609	0.609	0.358	0.358	HR
<b>9140</b>	233	238	284	288	152	156	0.592	0.604	0.348	0.355	HR
<b>9197</b>	233	248	283	298	151	165	0.600	0.600	0.353	0.353	HR
<b>9012</b>	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	
<b>9031</b>	234	248	286	300	159	170	0.648	0.614	0.381	0.361	HR
<b>9072</b>	234	241	283	290	151	157	0.580	0.580	0.341	0.341	HR
<b>9127</b>	234	254	285	303	155	170	0.610	0.610	0.359	0.359	HR
<b>9154</b>	234	242	286	295	158	166	0.600	0.600	0.353	0.353	HR
<b>9265</b>	234	256	284	307	157	176	0.630	0.630	0.371	0.371	HR
<b>9307</b>	234	242	284	297	157	161	0.629	0.620	0.370	0.365	HR
<b>9349</b>	234	240	290	296	143	146	0.510	0.510	0.300	0.300	HR
<b>9361</b>	234	250	286	304	144	155	0.530	0.530	0.312	0.312	HR
<b>9372</b>	234	250	287	303	158	172	0.630	0.630	0.371	0.371	HR
<b>9375</b>	234	244	285	297	154	162	0.612	0.612	0.360	0.360	HR
<b>9033</b>	235	246	300	311	155	163	0.630	0.620	0.371	0.365	HR
<b>9048</b>	236	246	284	293	157	165	0.612	0.612	0.360	0.360	HR
<b>9081</b>	236	250	284	298	160	173	0.630	0.630	0.371	0.371	HR
<b>9090</b>	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	
<b>9121</b>	236	246	286	296	155	162	0.600	0.600	0.353	0.353	HR
<b>9125</b>	236	250	286	301	158	167	0.630	0.600	0.371	0.353	HR
<b>9147</b>	236	243	287	295	160	166	0.621	0.624	0.365	0.367	HR
<b>9176</b>	236	245	286	294	158	166	0.624	0.624	0.367	0.367	HR
<b>9210</b>	236	249	288	303	160	169	0.620	0.620	0.365	0.365	HR
<b>9220</b>	236	244	286	295	157	163	0.624	0.624	0.367	0.367	HR
<b>9236</b>	236	242	286	292	160	163	0.630	0.610	0.371	0.359	HR
<b>9259</b>	236	242	286	291	159	163	0.620	0.620	0.365	0.365	HR
<b>9278</b>	236	246	290	300	158	167	0.616	0.620	0.362	0.365	HR
<b>9288</b>	236	252	294	309	160	172	0.646	0.637	0.380	0.375	HR
<b>9313</b>	236	250	290	303	155	166	0.620	0.620	0.365	0.365	HR
<b>9326</b>	236	246	290	300	154	161	0.604	0.604	0.355	0.355	HR
<b>9356</b>	236	252	288	304	156	167	0.620	0.600	0.365	0.353	HR
<b>9376</b>	236	246	288	299	156	165	0.620	0.620	0.365	0.365	HR

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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	
<b>9392</b>	236	246	293	306	156	158	0.618	0.593	0.364	0.349	HR
<b>9045</b>	237	243	286	292	157	161	0.615	0.620	0.362	0.365	HR
<b>9139</b>	237	244	294	298	154	162	0.612	0.612	0.360	0.360	HR
<b>9241</b>	237	256	288	308	159	174	0.630	0.630	0.371	0.371	HR
<b>9373</b>	237	251	287	301	160	170	0.640	0.630	0.376	0.371	HR
<b>9028</b>	238	250	285	297	145	155	0.510	0.510	0.300	0.300	HR
<b>9155</b>	238	254	291	308	158	171	0.625	0.625	0.368	0.368	HR
<b>9194</b>	238	238	290	290	160	160	0.625	0.625	0.368	0.368	HR
<b>9230</b>	238	246	286	294	162	168	0.630	0.630	0.371	0.371	HR
<b>9232</b>	238	246	288	296	162	169	0.620	0.620	0.365	0.365	HR
<b>9253</b>	238	244	289	295	161	166	0.630	0.630	0.371	0.371	HR
<b>9255</b>	238	256	290	308	162	177	0.670	0.670	0.394	0.394	HR
<b>9275</b>	238	259	310	288	163	180	0.654	0.654	0.385	0.385	HR
<b>9290</b>	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	
<b>9328</b>	238	242	291	295	156	158	0.610	0.610	0.359	0.359	HR
<b>9337</b>	238	246	291	300	161	167	0.680	0.680	0.400	0.400	HR
<b>9364</b>	238	234	287	286	160	154	0.626	0.626	0.368	0.368	HR
<b>9386</b>	238	256	287	305	158	172	0.650	0.650	0.382	0.382	HR
<b>9394</b>	238	254	289	304	158	170	0.610	0.610	0.359	0.359	HR
<b>9014</b>	239	251	290	302	152	163	0.570	0.570	0.335	0.335	HR
<b>9017</b>	239	243	290	294	159	162	0.603	0.605	0.355	0.356	HR
<b>9056</b>	239	256	292	307	159	170	0.649	0.610	0.382	0.359	HR
<b>9097</b>	239	252	290	303	160	170	0.640	0.625	0.376	0.368	HR
<b>9112</b>	239	249	294	306	147	152	0.529	0.529	0.311	0.311	HR
<b>9163</b>	239	256	288	305	161	176	0.629	0.629	0.370	0.370	HR
<b>9164</b>	239	244	287	292	159	163	0.595	0.595	0.350	0.350	HR
<b>9177</b>	239	256	289	307	161	175	0.629	0.629	0.370	0.370	HR
<b>9198</b>	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	
<b>9212</b>	239	256	292	309	161	176	0.585	0.585	0.344	0.344	HR
<b>9254</b>	239	250	289	301	162	171	0.630	0.630	0.371	0.371	HR
<b>9268</b>	239	243	289	300	162	163	0.630	0.630	0.371	0.371	HR
<b>9330</b>	239	244	289	295	161	165	0.650	0.650	0.382	0.382	HR
<b>9384</b>	239	258	291	309	159	175	0.650	0.650	0.382	0.382	HR
<b>9037</b>	240	245	294	300	161	163	0.651	0.651	0.383	0.383	HR
<b>9050</b>	240	256	290	307	161	172	0.620	0.603	0.365	0.355	HR
<b>9078</b>	240	250	289	300	160	169	0.620	0.620	0.365	0.365	HR
<b>9105</b>	240	246	290	296	161	166	0.630	0.630	0.371	0.371	HR
<b>9142</b>	240	252	293	306	163	172	0.654	0.654	0.385	0.385	HR
<b>9143</b>	240	242	291	294	157	159	0.600	0.600	0.353	0.353	HR
<b>9179</b>	240	250	297	308	163	170	0.642	0.642	0.378	0.378	HR
<b>9206</b>	240	260	290	312	162	177	0.629	0.629	0.370	0.370	HR
<b>9238</b>	240	250	291	301	160	167	0.605	0.605	0.356	0.356	HR

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

# LS CNC Profiles

# Hydraulic Roller

For total flexibility, you can select the intake and exhaust from different masters and change lobe separation as required.  
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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	
<b>9171</b>	242	260	291	309	160	175	0.595	0.595	0.350	0.350	HR
<b>9189</b>	242	260	291	309	164	178	0.630	0.630	0.371	0.371	HR
<b>9223</b>	242	246	290	294	162	166	0.527	0.527	0.310	0.310	HR
<b>9260</b>	242	252	294	307	163	172	0.620	0.620	0.365	0.365	HR
<b>9289</b>	242	260	292	311	163	178	0.620	0.620	0.365	0.365	HR
<b>9291</b>	242	248	295	303	149	151	0.510	0.510	0.300	0.300	HR
<b>9336</b>	242	246	294	298	151	154	0.530	0.530	0.312	0.312	HR
<b>9338</b>	242	254	299	311	150	160	0.530	0.530	0.312	0.312	HR
<b>9399</b>	242	254	294	306	161	173	0.630	0.630	0.371	0.371	HR
<b>9034</b>	243	251	294	308	164	178	0.640	0.602	0.376	0.354	HR
<b>9395</b>	243	255	293	314	159	161	0.593	0.555	0.349	0.326	HR
<b>9051</b>	244	260	293	310	164	179	0.630	0.635	0.371	0.374	HR
<b>9067</b>	244	261	293	310	165	180	0.635	0.630	0.374	0.371	HR
<b>9103</b>	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	
<b>9119</b>	244	262	295	315	165	180	0.630	0.630	0.371	0.371	HR
<b>9157</b>	244	260	295	313	169	181	0.650	0.650	0.382	0.382	HR
<b>9172</b>	244	254	295	305	164	171	0.610	0.610	0.359	0.359	HR
<b>9178</b>	244	260	299	312	163	176	0.604	0.604	0.355	0.355	HR
<b>9215</b>	244	260	295	314	168	182	0.660	0.660	0.388	0.388	HR
<b>9221</b>	244	254	296	306	168	176	0.650	0.650	0.382	0.382	HR
<b>9225</b>	244	262	293	311	163	178	0.595	0.595	0.350	0.350	HR
<b>9250</b>	244	248	293	298	165	168	0.620	0.620	0.365	0.365	HR
<b>9270</b>	244	256	297	309	166	176	0.629	0.616	0.370	0.362	HR
<b>9282</b>	244	267	301	325	164	184	0.635	0.635	0.374	0.374	HR
<b>9287</b>	244	260	298	314	164	178	0.612	0.612	0.360	0.360	HR
<b>9388</b>	244	250	295	301	163	168	0.650	0.650	0.382	0.382	HR
<b>9079</b>	245	256	294	306	165	174	0.620	0.620	0.365	0.365	HR
<b>9126</b>	245	254	295	304	163	170	0.610	0.610	0.359	0.359	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	
<b>9066</b>	246	262	294	311	166	180	0.620	0.630	0.365	0.371	HR
<b>9082</b>	246	258	295	307	165	176	0.608	0.608	0.358	0.358	HR
<b>9084</b>	246	252	273	279	164	170	0.619	0.619	0.364	0.364	HR
<b>9141</b>	246	258	299	311	165	176	0.625	0.625	0.368	0.368	HR
<b>9148</b>	246	260	295	309	165	178	0.610	0.610	0.359	0.359	HR
<b>9160</b>	246	256	295	306	167	175	0.625	0.625	0.368	0.368	HR
<b>9186</b>	246	258	297	309	167	178	0.639	0.639	0.376	0.376	HR
<b>9222</b>	246	262	294	310	170	186	0.640	0.640	0.376	0.376	HR
<b>9325</b>	246	256	296	307	165	172	0.620	0.620	0.365	0.365	HR
<b>9346</b>	246	258	298	310	167	176	0.640	0.640	0.376	0.376	HR
<b>9374</b>	246	263	296	312	166	179	0.620	0.625	0.365	0.368	HR
<b>9387</b>	246	262	297	312	168	182	0.640	0.640	0.376	0.376	HR
<b>9412</b>	246	260	298	312	165	178	0.630	0.630	0.371	0.371	HR
<b>9027</b>	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	
<b>9043</b>	247	251	298	303	165	169	0.620	0.625	0.365	0.368	HR
<b>9116</b>	248	265	300	314	170	185	0.629	0.624	0.370	0.367	HR
<b>9150</b>	248	260	302	310	171	182	0.632	0.632	0.372	0.372	HR
<b>9182</b>	248	260	301	314	168	180	0.603	0.603	0.355	0.355	HR
<b>9187</b>	248	260	299	311	167	176	0.615	0.615	0.362	0.362	HR
<b>9190</b>	248	260	300	312	167	177	0.625	0.625	0.368	0.368	HR
<b>9204</b>	248	260	301	313	171	183	0.630	0.630	0.371	0.371	HR
<b>9216</b>	248	248	299	302	170	162	0.620	0.580	0.365	0.341	HR
<b>9235</b>	248	266	299	317	170	186	0.613	0.613	0.361	0.361	HR
<b>9237</b>	248	266	299	317	170	186	0.630	0.630	0.371	0.371	HR
<b>9248</b>	248	262	299	313	167	181	0.620	0.620	0.365	0.365	HR
<b>9391</b>	248	262	303	317	164	176	0.630	0.630	0.371	0.371	HR
<b>9404</b>	248	268	304	320	169	186	0.646	0.646	0.380	0.380	HR
<b>9341</b>	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	
<b>9008</b>	250	263	297	312	170	182	0.630	0.630	0.371	0.371	HR
<b>9063</b>	250	262	298	311	169	178	0.620	0.620	0.365	0.365	HR
<b>9111</b>	250	265	309	326	170	182	0.680	0.680	0.400	0.400	HR
<b>9191</b>	250	260	301	310	171	179	0.630	0.630	0.371	0.371	HR
<b>9252</b>	250	263	300	314	170	181	0.629	0.623	0.370	0.366	HR
<b>9277</b>	250	257	302	311	174	179	0.660	0.660	0.388	0.388	HR
<b>9304</b>	250	270	302	322	170	188	0.630	0.630	0.371	0.371	HR
<b>9308</b>	250	258	310	318	161	169	0.613	0.618	0.361	0.364	HR
<b>9357</b>	250	262	304	316	169	178	0.640	0.640	0.376	0.376	HR
<b>9011</b>	252	260	301	309	175	182	0.654	0.654	0.385	0.385	HR
<b>9174</b>	252	267	302	317	173	185	0.637	0.637	0.375	0.375	HR
<b>9231</b>	252	266	303	317	177	190	0.650	0.650	0.382	0.382	HR
<b>9352</b>	252	268	307	323	172	185	0.650	0.650	0.382	0.382	HR
<b>9363</b>	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	
<b>9378</b>	252	276	302	326	173	194	0.630	0.630	0.371	0.371	HR
<b>9379</b>	252	268	302	316	174	186	0.680	0.680	0.400	0.400	HR
<b>9047</b>	254	264	305	314	172	181	0.626	0.629	0.368	0.370	HR
<b>9118</b>	254	262	310	321	173	178	0.650	0.650	0.382	0.382	HR
<b>9153</b>	254	274	309	327	170	188	0.629	0.629	0.370	0.370	HR
<b>9165</b>	254	260	304	309	174	179	0.630	0.630	0.371	0.371	HR
<b>9185</b>	254	272	306	325	177	192	0.680	0.680	0.400	0.400	HR
<b>9295</b>	254	267	304	318	176	188	0.650	0.650	0.382	0.382	HR
<b>9054</b>	255	271	305	321	172	188	0.624	0.624	0.367	0.367	HR
<b>9106</b>	255	262	305	316	177	179	0.664	0.647	0.391	0.381	HR
<b>9180</b>	255	268	306	320	176	188	0.660	0.660	0.388	0.388	HR
<b>9297</b>	255	263	308	316	176	182	0.650	0.650	0.382	0.382	HR
<b>9300</b>	255	265	308	318	177	185	0.650	0.650	0.382	0.382	HR
<b>9351</b>	255	262	305	317	177	180	0.665	0.647	0.391	0.381	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	
<b>9025</b>	256	273	305	323	178	193	0.695	0.695	0.409	0.409	HR
<b>9101</b>	256	268	305	318	176	186	0.646	0.646	0.380	0.380	HR
<b>9156</b>	256	272	308	321	181	197	0.680	0.680	0.400	0.400	HR
<b>9227</b>	256	266	310	320	179	188	0.661	0.661	0.389	0.389	HR
<b>9005</b>	257	265	308	315	177	184	0.646	0.646	0.380	0.380	HR
<b>9100</b>	257	270	305	319	179	190	0.646	0.637	0.380	0.375	HR
<b>9115</b>	257	270	314	329	169	179	0.600	0.600	0.353	0.353	HR
<b>9205</b>	257	265	310	317	179	186	0.674	0.674	0.396	0.396	HR
<b>9217</b>	257	272	307	323	181	193	0.660	0.660	0.388	0.388	HR
<b>9224</b>	257	270	304	317	178	188	0.630	0.630	0.371	0.371	HR
<b>9383</b>	257	277	306	327	180	195	0.661	0.661	0.389	0.389	HR
<b>9104</b>	258	272	311	326	177	188	0.639	0.639	0.376	0.376	HR
<b>9137</b>	258	266	307	316	172	179	0.595	0.595	0.350	0.350	HR
<b>9350</b>	258	274	310	326	180	194	0.700	0.700	0.412	0.412	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	
<b>9389</b>	258	262	308	312	178	180	0.630	0.630	0.371	0.371	HR
<b>9134</b>	260	270	309	319	176	186	0.614	0.614	0.361	0.361	HR
<b>9360</b>	260	279	314	334	177	193	0.680	0.680	0.400	0.400	HR
<b>9370</b>	260	272	312	324	177	186	0.629	0.629	0.370	0.370	HR
<b>9371</b>	260	272	314	326	182	192	0.720	0.720	0.424	0.424	HR
<b>9026</b>	262	265	314	317	176	178	0.630	0.630	0.371	0.371	HR
<b>9070</b>	262	268	311	316	180	186	0.650	0.650	0.382	0.382	HR
<b>9343</b>	262	278	315	331	172	184	0.610	0.610	0.359	0.359	HR
<b>9107</b>	264	276	317	329	182	192	0.642	0.642	0.378	0.378	HR
<b>9133</b>	264	276	314	327	184	195	0.670	0.666	0.394	0.392	HR
<b>9315</b>	266	274	340	349	183	190	0.763	0.756	0.449	0.445	HR
<b>9023</b>	267	273	316	323	186	190	0.646	0.646	0.380	0.380	HR
<b>9057</b>	268	278	321	333	184	192	0.620	0.620	0.365	0.365	HR
<b>9408</b>	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	
<b>9261</b>	230	242	263	275	151	161	0.630	0.630	0.371	0.371	.014"	.014"	SR
<b>9113</b>	237	249	268	281	158	168	0.680	0.680	0.400	0.400	.014"	.014"	SR
<b>9213</b>	242	256	276	289	152	176	0.630	0.630	0.371	0.371	.014"	.014"	SR
<b>9244</b>	242	250	273	281	164	170	0.651	0.632	0.383	0.372	.012"	.014"	SR
<b>9380</b>	247	262	279	294	167	180	0.664	0.664	0.391	0.391	.014"	.014"	SR
<b>9077</b>	248	262	277	291	168	180	0.680	0.680	0.400	0.400	.013"	.015"	SR
<b>9053</b>	249	257	282	284	170	173	0.754	0.714	0.444	0.420	.016"	.016"	SR
<b>9209</b>	250	256	284	291	172	174	0.666	0.666	0.392	0.392	.014"	.016"	SR
<b>9393</b>	251	258	282	290	168	173	0.637	0.637	0.375	0.375	.016"	.016"	SR
<b>9151</b>	252	260	279	287	169	175	0.612	0.612	0.360	0.360	.012"	.012"	SR
<b>9161</b>	252	264	280	291	172	184	0.646	0.646	0.380	0.380	.016"	.016"	SR
<b>9382</b>	252	262	284	294	174	183	0.714	0.714	0.420	0.420	.014"	.014"	SR
<b>9192</b>	253	260	282	290	172	178	0.660	0.660	0.388	0.388	.014"	.014"	SR
<b>9040</b>	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	
<b>9122</b>	254	262	286	295	175	182	0.710	0.710	0.418	0.418	.016"	.016"	SR
<b>9094</b>	255	262	283	290	179	185	0.780	0.780	0.459	0.459	.016"	.016"	SR
<b>9146</b>	256	269	298	316	170	178	0.665	0.665	0.391	0.391	.016"	.016"	SR
<b>9184</b>	256	263	286	293	177	184	0.656	0.666	0.386	0.392	.016"	.016"	SR
<b>9098</b>	257	265	289	298	179	186	0.765	0.765	0.450	0.450	.014"	.014"	SR
<b>9136</b>	258	268	290	303	178	185	0.748	0.748	0.440	0.440	.014"	.014"	SR
<b>9240</b>	258	272	290	305	179	191	0.705	0.705	0.415	0.415	.014"	.014"	SR
<b>9411</b>	258	264	292	297	175	180	0.670	0.670	0.394	0.394	.014"	.014"	SR
<b>9413</b>	258	270	289	301	178	188	0.714	0.714	0.420	0.420	.014"	.014"	SR
<b>9041</b>	259	264	287	291	181	186	0.689	0.689	0.405	0.405	.014"	.016"	SR
<b>9087</b>	259	265	285	292	183	189	0.685	0.685	0.403	0.403	.016"	.016"	SR
<b>9099</b>	260	266	289	294	172	178	0.594	0.594	0.349	0.349	.014"	.014"	SR
<b>9188</b>	260	266	289	296	178	183	0.683	0.683	0.402	0.402	.016"	.018"	SR
<b>9193</b>	260	274	291	307	178	187	0.644	0.624	0.379	0.367	.012"	.012"	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	
<b>9369</b>	260	272	294	308	178	187	0.703	0.703	0.414	0.414	.014"	.014"	SR
<b>9071</b>	262	268	291	297	183	190	0.692	0.704	0.407	0.414	.012"	.012"	SR
<b>9405</b>	262	278	294	310	182	197	0.714	0.714	0.420	0.420	.014"	.014"	SR
<b>9406</b>	262	276	295	309	182	195	0.736	0.736	0.433	0.433	.014"	.014"	SR
<b>9251</b>	262	269	293	303	181	186	0.675	0.680	0.397	0.400	.014"	.014"	SR
<b>9301</b>	262	278	297	312	181	195	0.714	0.714	0.420	0.420	.015"	.015"	SR
<b>9044</b>	264	276	292	304	186	197	0.748	0.748	0.440	0.440	.010"	.012"	SR
<b>9075</b>	264	268	293	297	186	191	0.707	0.707	0.416	0.416	.012"	.012"	SR
<b>9108</b>	264	269	295	299	180	186	0.710	0.722	0.418	0.425	.020"	.020"	SR
<b>9207</b>	264	274	295	305	187	196	0.765	0.765	0.450	0.450	.014"	.014"	SR
<b>9302</b>	264	278	298	312	182	194	0.720	0.720	0.424	0.424	.014"	.014"	SR
<b>9013</b>	265	269	346	350	176	181	0.765	0.773	0.450	0.455	.016"	.016"	SR
<b>9018</b>	265	275	292	302	188	198	0.761	0.761	0.448	0.448	.014"	.014"	SR
<b>9089</b>	265	275	293	304	188	196	0.717	0.717	0.422	0.422	.016"	.016"	SR

# LS CNC Profiles

## Solid Roller

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

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

