

Callies Finish Ground Cam List - LS1 3-Bolt

Callies Part #	Solid or Hyd	Duration @ .050		Advertised Duration (@ .006)		Cam Lift		Valve Lift w/1.7 Rocker		LSA + Advance	Lobe Ctr.		Lift @ TDC		Specific Remarks
LS1 3-Bolt 55mm Hydraulic Roller		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust	Stock Bottom End
180-009	HR	210	218	261	266	0.325	0.325	0.553	0.553	108 + 3	105	111	0.085	0.075	VTG Cathedral Port - SBE
180-010	HR	214	222	265	270	0.325	0.325	0.553	0.553	110 + 3	107	113	0.085	0.075	VTG Cathedral Port - SBE
180-011	HR	218	226	269	274	0.325	0.325	0.553	0.553	112 + 3	109	115	0.085	0.075	VTG Cathedral Port - SBE
180-012	HR	222	230	273	278	0.325	0.325	0.553	0.553	114 + 3	111	117	0.085	0.075	VTG Cathedral Port - SBE
180-019	HR	216	228	267	277	0.368	0.368	0.626	0.626	108 + 2	106	110	0.092	0.102	VTG Rectangular Port - SBE
180-020	HR	220	232	271	281	0.368	0.368	0.626	0.626	110 + 2	108	112	0.092	0.102	VTG Rectangular Port - SBE
180-021	HR	224	236	275	285	0.368	0.368	0.626	0.626	112 + 2	110	114	0.092	0.102	VTG Rectangular Port - SBE
180-022	HR	228	240	279	289	0.368	0.368	0.626	0.626	114 + 2	112	116	0.092	0.102	VTG Rectangular Port - SBE
Callies Part #	Solid or Hyd	Duration @ .050		Advertised Duration (@ .006)		Cam Lift		Valve Lift w/1.7 Rocker		LSA + Advance	Lobe Ctr.		Lift @ TDC		Specific Remarks
LS1 3-Bolt 55mm Hydraulic Roller		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust	
180-001	HR	212	218	265	271	0.325	0.325	0.553	0.553	113 + 2	111	115	0.037	0.035	
180-023	HR	214	222	270	278	0.353	0.353	0.600	0.600	111 + 3	108	114	0.047	0.043	
180-002	HR	218	224	271	277	0.325	0.325	0.553	0.553	113 + 3	110	116	0.047	0.039	
180-057	HR	218	226	269	274	0.325	0.325	0.553	0.553	108 + 3	105	111	0.062	0.055	
180-024	HR	218	230	274	286	0.353	0.353	0.600	0.600	111 + 4	107	115	0.056	0.050	
180-025	HR	222	234	278	290	0.353	0.353	0.600	0.600	112 + 2	110	114	0.053	0.058	
180-014	HR	222	238	273	287	0.368	0.368	0.626	0.626	109 + 4	105	113	0.069	0.069	
180-003	HR	224	230	277	283	0.325	0.325	0.553	0.553	111 + 2	109	113	0.059	0.056	
180-015	HR	226	242	277	291	0.368	0.368	0.626	0.626	111 + 4	107	115	0.069	0.069	
180-029	HR	226	246	282	320	0.353	0.360	0.600	0.612	116 + 6	110	122	0.058	0.053	
180-055	HR	230	242	286	309	0.353	0.355	0.600	0.604	111 + 5	106	116	0.077	0.061	
180-016	HR	230	246	281	295	0.368	0.368	0.626	0.626	113 + 4	109	117	0.069	0.069	
180-056	HR	232	244	288	311	0.360	0.356	0.612	0.605	115 + 5	110	120	0.068	0.053	
180-007	HR	232	249	299	323	0.363	0.353	0.617	0.600	120 + 5	115	125	0.055	0.048	
180-026	HR	234	248	301	322	0.362	0.362	0.615	0.615	112 + 4	108	116	0.078	0.071	
180-017	HR	234	250	285	299	0.368	0.368	0.626	0.626	115 + 4	111	119	0.069	0.069	
180-030	HR	236	250	292	317	0.355	0.362	0.604	0.615	114 + 4	110	118	0.074	0.066	
180-031	HR	236	256	292	330	0.355	0.355	0.604	0.604	117 + 7	110	124	0.074	0.060	
180-018	HR	238	254	289	303	0.368	0.368	0.626	0.626	117 + 4	113	121	0.069	0.069	
Callies Part #	Solid or Hyd	Duration @ .050		Advertised Duration (@ .006)		Cam Lift		Valve Lift w/1.7 Rocker		LSA + Advance	Lobe Ctr.		Lift @ TDC		Specific Remarks
180-032	HR	240	252	307	326	0.360	0.367	0.612	0.624	114 + 2	112	116	0.075	0.078	
180-033	HR	240	256	307	330	0.355	0.355	0.604	0.604	114 + 4	110	118	0.082	0.077	
180-027	HR	242	254	309	328	0.362	0.362	0.615	0.615	111 + 3	109	113	0.088	0.089	
180-034	HR	242	260	309	334	0.355	0.355	0.604	0.604	114 + 3	111	117	0.082	0.086	
180-035	HR	246	260	298	334	0.366	0.370	0.622	0.629	114 + 4	110	118	0.094	0.083	
180-059	HR	246	260	298	334	0.366	0.370	0.622	0.629	108 + 2	106	110	0.109	0.109	
180-036	HR	248	260	315	334	0.355	0.355	0.604	0.604	114 + 4	110	118	0.095	0.083	
180-028	HR	250	264	317	338	0.362	0.362	0.615	0.615	114 + 4	110	118	0.098	0.089	
180-037	HR	250	264	319	338	0.370	0.370	0.629	0.629	114 + 4	110	118	0.097	0.089	
180-060	HR	258	272	332	346	0.366	0.370	0.622	0.629	108 + 2	106	110	0.120	0.129	
Callies Part #	Solid or Hyd	Duration @ .050		Advertised Duration (@ .020)		Cam Lift		Valve Lift w/1.7 Rocker		LSA + Advance	Lobe Ctr.		Lift @ TDC		Specific Remarks
LS1 3-Bolt 55mm Solid Roller		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust	
180-054	SR	270	282	305	315	0.454	0.454	0.772	0.772	116 + 2	114	118	0.114	0.119	Turbo Cam
LS1 3-Bolt 55mm Solid Roller		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust	
180-004	SR	260	280	293	308	0.420	0.430	0.714	0.731	113 + 0	113	113	0.101	0.145	NA Drag Race Cam
180-005	SR	260	280	290	311	0.420	0.430	0.714	0.731	113 + 0	113	113	0.101	0.135	NA Drag Race Cam
180-008	SR	271	274	300	306	0.522	0.525	0.887	0.893	115.5 + .5	115	116	0.122	0.122	Turbo Cam
180-006	SR	281	284	310	316	0.522	0.525	0.887	0.893	115.5 + .5	115	116	0.145	0.143	Turbo Cam
180-039	SR	285	316	314	348	0.550	0.555	0.935	0.944	120 + .4	116	124	0.150	0.177	Nitrous Cam

***** SBE: Stock Bottom End

Callies Finish Ground Cam List - VVT Gen 3 Hemi

Callies Part #	Solid or Hyd	Duration @ .050		Advertised Duration (@ .006)		Cam Lift		Valve Lift w/1.6 Rocker		LSA + Advance	Lobe Ctr.		Lift @ TDC		Application
141 - VVT Hemi		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust	VVT Gen 3 Hemi
141-001	HR	232	242	282	292	0.385	0.385	0.616	0.616	116 + 10	106	126	0.084	0.037	Low speed grunt
141-002	HR	236	246	286	296	0.385	0.385	0.616	0.616	118 + 10	108	128	0.084	0.037	Great balance of performance
141-003	HR	240	250	290	300	0.385	0.385	0.616	0.616	120 + 10	110	130	0.084	0.037	More high speed street power
141-004	HR	242	252	292	302	0.390	0.390	0.624	0.624	119 + 10	109	129	0.091	0.042	Street / strip performance
141-005	HR	246	256	296	306	0.390	0.390	0.624	0.624	121 + 10	111	131	0.091	0.042	Big street / strip w/ big displacement engine
141-006	HR	256	260	300	310	0.390	0.390	0.624	0.624	123 + 10	113	133	0.091	0.042	Geared towards racing

Callies Finish Ground Cam List - Small Block Ford

Callies Part #	Solid or Hyd	Duration @ .050		Advertised Duration (@ .020)		Cam Lift		Valve Lift w/1.6 Rocker		LSA + Advance	Lobe Ctr.		Lift @ TDC		Application
150 - SBF 55mm		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust	Small Block Ford - 55mm Bearing
150-001	SR	263	275	296	308	0.433	0.438	0.693	0.701	108 + 0	108	108	0.125	0.149	Desert Truck
150-002	SR	265	276	294	306	0.450	0.445	0.720	0.712	110 + 0	110	110	0.128	0.147	Desert Truck
152 - Energy SBF 60mm		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust	Energy SBF Block - 60mm Bearing
152-004	SR	271	274	300	307	0.522	0.525	0.835	0.840	115.5 + 0	115	116	0.122	0.122	Turbo Cam
152-003	SR	281	284	310	317	0.522	0.525	0.835	0.840	115.5 + 0	115	116	0.144	0.143	Turbo Cam
152-002	SR	285	306	314	339	0.550	0.550	0.880	0.880	116 + 0	112	120	0.170	0.174	Supercharger Cam
152-007	SR	285	312	318	347	0.580	0.560	0.928	0.896	120 + 0	120	120	0.128	0.186	Nitrous Cam
152-006	SR	285	315	318	350	0.580	0.560	0.928	0.896	122 + 0	122	122	0.120	0.181	Nitrous Cam
152-001	SR	285	316	314	349	0.550	0.550	0.880	0.880	120 + 4	116	124	0.150	0.177	Nitrous Cam
152-005	SR	290	324	326	361	0.550	0.575	0.880	0.920	122 + 4	118	126	0.145	0.178	Nitrous Cam

Callies Finish Ground Cam List - Ford 7.3 Godzilla

Callies Part #	Solid or Hyd	Duration @ .050		Advertised Duration (@ .006)		Cam Lift		Valve Lift w/1.8 Rocker		LSA + Advance	Lobe Ctr.		Lift @ TDC		Application
175 - Ford 7.3 Godzilla		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust	Hydraulic Roller
175-001	HR	220	226	276	282	0.350	0.345	0.630	0.621	115 + 6	109	121	0.053	0.032	Nice turbo cam for stock engine.
175-002	HR	220	226	276	282	0.350	0.345	0.630	0.621	111 + 6	105	117	0.064	0.040	Great NA cam for stock intake. 600 hp-600 tq RPM range: 2500-6200
175-008	HR	220	226	276	282	0.350	0.345	0.630	0.621	109 + 5	104	114	0.068	0.047	Same as 175-002, except tighter LSA. Slightly more power, but reduced range. 2800-6200
175-006	HR	224	230	288	295	0.375	0.376	0.675	0.677	115 + 6	109	121	0.059	0.037	Similar to 175-001, except more lift and duration.
175-009	HR	230	242	281	291	0.368	0.368	0.662	0.662	111 + 5	106	116	0.079	0.066	Nice NA cam for increased rpm and power in modified engine. 650+ hp. RPM range: 3200-6500
175-011	HR	230	250	281	299	0.368	0.368	0.662	0.662	111 + 5	106	116	0.079	0.066	175-009 w/ 250 exhaust duration. Gained 15hp above 5000 rpm - lost a little torque down low.
175-005	HR	232	244	287	296	0.350	0.345	0.630	0.621	115 + 5	110	120	0.068	0.056	Good turbo cam for modified engine.
175-007	HR	240	250	314	324	0.375	0.375	0.675	0.675	111 + 6	105	117	0.095	0.072	Street / track cam for modified engine. 675+ hp. RPM range: 4000-6800
175-003	HR	254	264	328	338	0.362	0.362	0.652	0.652	116 + 6	110	122	0.099	0.077	Same as 175-004, except wider LSA. 676 hp - 540 tq.
175-004	HR	254	264	328	338	0.362	0.362	0.652	0.652	112 + 5	107	117	0.109	0.092	High rpm cam for modified engine with aftermarket intake. 690 hp - 550 tq RPM range: 4500-7300
175-010	HR	254	264	328	338	0.362	0.362	0.652	0.652	118 + 6	112	124	0.093	0.071	Same as 175-003, except wider LSA. Intended for large centrifugal blower in the 1500 HP range.

Callies Finish Ground Cam List - Big Block Chevy

Callies Part #	Solid or Hyd	Duration @ .050		Advertised Duration (@ .020)		Cam Lift		Valve Lift w/1.7 Rocker		LSA + Advance	Lobe Ctr.		Lift @ TDC		Application	Specific Remarks
130 - BBC Std. Brng.		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust		
130-001	SR	262	268	293	299	0.430	0.430	0.731	0.731	107 + 0	107	107	0.134	0.143		Std. Firing Order
130-003	SR	281	301	314	334	0.493	0.476	0.838	0.809	113 + 2	111	115	0.156	0.172		4/7 Swap
130-002	SR	287	312	320	350	0.515	0.485	0.876	0.825	115.5 + 2	113.5	117.5	0.159	0.174		4/7 Swap
130 - BBC 55mm Brng.		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust		
130-004	SR	286	312	317	352	0.525	0.510	0.893	0.867	115.5 + 0	115.5	115.5	0.147	0.183		4/7 Swap
130-005	SR	286	317	317	350	0.566	0.535	0.962	0.910	118 + 0	118	118	0.138	0.202		4/7 Swap
130-006	SR	286	312	317	352	0.525	0.510	0.893	0.867	115.5 + 0	115.5	115.5	0.147	0.183		Same as 130-004 except tool steel
130-007	SR	286	317	317	350	0.566	0.535	0.962	0.910	118 + 0	118	118	0.138	0.202		Same as 130-005 except tool steel
131 - BBC 60mm Brng.		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust	Symmetrical Port Heads	
131-002	SR	282	310	313	345	0.600	0.580	1.020	0.986	120 + 0	120	120	0.121	0.182		4/7 Swap
131-001	SR	286	312	317	347	0.600	0.580	1.020	0.986	122 + 0	122	122	0.121	0.177		4/7 Swap
133 - 5" BBC 55mm		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust		
133-001	SR	286	317	317	350	0.566	0.535	0.962	0.910	117.5 + 0	117.5	117.5	0.053	0.032		4/7 Swap

Callies Finish Ground Cam List - 409W Bill Mitchell Block

Callies Part #	Solid or Hyd	Duration @ .050		Advertised Duration (@ .006)		Cam Lift		Valve Lift w/1.7 Rocker		LSA + Advance	Lobe Ctr.		Lift @ TDC		Application	Specific Remarks
136 - BMP 409W		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust	Bill Mitchell 409W Block BBC Bearing	
136-002	HR	228	236	278	285	0.368	0.368	0.626	0.626	112 + 2	110	114	0.062	0.062		Std. Firing Order
136-003	HR	230	236	280	285	0.368	0.368	0.626	0.626	114 + 2	112	116	0.059	0.056		Std. Firing Order
136-004	HR	230	236	280	285	0.368	0.368	0.626	0.626	112 + 2	110	114	0.065	0.062		Std. Firing Order
136-001	HR	236	245	289	305	0.380	0.383	0.646	0.651	114 + 2	112	116	0.068	0.070		Std. Firing Order

Callies Finish Ground Cam List - Duramax

Callies Part #	Solid or Hyd	Duration @ .050		Advertised Duration (@ .020)		Cam Lift		Valve Lift w/1.36 int 1.69 ex Rocker		LSA + Advance	Lobe Ctr.		Lift @ TDC		Specific Remarks	
270 - Duramax		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust		
270-007	SR	185	187	215	224	0.307	0.250	0.418	0.423	106 + 4	102	110	0.024	0.020	Alternate Firing Order - 8620 carburized	
270-006	SR	185	187	215	224	0.307	0.250	0.418	0.423	106 + 4	102	110	0.024	0.020	Standard Firing Order - 8620 carburized	
270-001	SR	185	187	215	224	0.307	0.250	0.418	0.423	108 + 4	104	112	0.024	0.020	Alternate Firing Order - 8620 carburized	
270-009	SR	185	187	215	224	0.307	0.250	0.418	0.423	108 + 4	104	112	0.024	0.020	Same as 270-001 except 4150 Induction hardened	
270-003	SR	185	187	215	224	0.307	0.250	0.418	0.423	108 + 4	104	112	0.024	0.020	Standard Firing Order - 4150 induction hardened	
270-002	SR	185	187	215	219	0.346	0.281	0.471	0.475	110 + 4	106	114	0.022	0.014	Alternate Firing Order - 8620 carburized	
270-008	SR	185	187	215	219	0.346	0.281	0.471	0.475	110 + 4	106	114	0.022	0.014	Same as 270-002 except 4150 Induction hardened	
270-004	SR	186	190	215	223	0.300	0.250	0.408	0.423	106 + 2	104	108	0.026	0.030	Alternate Firing Order - VTG - 4150 induction hardened	
270-005	SR	190	194	219	227	0.300	0.250	0.408	0.423	108 + 2	106	110	0.026	0.030	Alternate Firing Order - VTG - 4150 induction hardened	

Callies Finish Ground Cam List - Small Block Chevy

Callies Part #	Solid or Hyd	Duration @ .050		Advertised Duration (@ .020)		Cam Lift		Valve Lift w/1.5 Rocker		LSA + Advance	Lobe Ctr.		Lift @ TDC		Application	Specific Remarks
100 - SBC Std. Brng.		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust		
100-001	SR	276	288	307	319	0.470	0.470	0.705	0.705	115 + 1	114	116	0.129	0.145	Nitrous	LS Firing Order
103 - SBC LW Sprint		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust	<i>Lightweight Sprint / Standard Spacing / 55mm Bearing</i>	
103-003	SR	261	264	292	300	0.430	0.434	0.645	0.651	107 + 0	107	107	0.148	0.165	360 Sprint - Narrow lobes	LS Firing Order
103-002	SR	261	265	294	304	0.447	0.450	0.671	0.675	107 + 0	107	107	0.144	0.164	360 Sprint - Narrow lobes	LS Firing Order
103-004	SR	262	265	305	315	0.475	0.478	0.713	0.717	107 + 0	107	107	0.150	0.173	360 Sprint - Narrow lobes	LS Firing Order
103-001	SR	262	268	294	304	0.430	0.430	0.645	0.645	107 + 0	107	107	0.144	0.164	360 Sprint - Narrow lobes	LS Firing Order
103-005	SR	268	270	305	315	0.480	0.491	0.720	0.737	105 + 0	105	105	0.150	0.173	360 Sprint - Narrow lobes	LS Firing Order
104 - SBC LW Sprint		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust	<i>Lightweight Sprint / Styers Spacing / 55mm Bearing</i>	
104-001	SR	268	272	297	302	0.480	0.446	0.720	0.669	111.5 + 3.5	108	115	0.145	0.121	410 Sprint - Narrow lobes	LS Firing Order
107 - 4.5 SB 50mm		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust	<i>4.500 Spread Bore SBC 50mm Bearing</i>	
107-001	SR	265	277	298	310	0.433	0.438	0.650	0.657	109 + 0	109	109	0.125	0.149		Std. Firing Order
107 - 4.5 SB 55mm		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust	<i>4.500 Spread Bore SBC 55mm Bearing</i>	
107-005	SR	264	272	292	300	0.484	0.491	0.726	0.737	106.5 + 0	106.5	106.5	0.148	0.165	Dirt Late Model	LS Firing Order
107-006	SR	266	276	294	304	0.484	0.491	0.726	0.737	108 + 0	108	108	0.144	0.164	Dirt Late Model	LS Firing Order
107-009	SR	276	286	305	315	0.454	0.454	0.681	0.681	110 + 0	110	110	0.150	0.173		LS Firing Order

Callies Finish Ground Cam List - Ford 6.0 Powerstroke

Callies Part #	Solid or Hyd	Duration @ .050		Advertised Duration (@ .006)		Cam Lift		Valve Lift w/1.4 int 1.42 ex Rocker		LSA + Advance	Lobe Ctr.		Lift @ TDC		Application
280 - Ford Powerstroke		Intake	Exhaust	Intake	Exhaust	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust	<i>Hydraulic Roller</i>
280-001	HR	166	180	238	234	0.229	0.232	0.321	0.329	104.5 + 2.5	102	107	0.016	0.015	
280-008	HR	178	196	230	251	0.262	0.261	0.367	0.371	105 + 3	102	108	0.020	0.029	
280-002	HR	180	200	230	253	0.229	0.232	0.321	0.329	107 + 4	103	111	0.020	0.024	
280-003	HR	180	202	232	257	0.252	0.254	0.353	0.361	107.5 + 4	103.5	111.5	0.019	0.028	
280-009	HR	186	204	238	259	0.229	0.232	0.321	0.329	109 + 3	106	112	0.020	0.029	
280-007	HR	198	214	254	288	0.272	0.268	0.381	0.381	108 + 2	106	110	0.029	0.043	
280-004	HR	198	216	254	291	0.275	0.283	0.385	0.402	108 + 2	106	110	0.029	0.045	
280-005	HR	204	222	254	277	0.286	0.285	0.400	0.405	108 + 0	108	108	0.034	0.061	
280-006	SR	244	252	281	289	0.334	0.334	0.468	0.474	110 + 1.5	108.5	111.5	0.087	0.089	Solid Roller - Race Only!

