

HOLDEN 253, 308 V8

ROCKER RATIO 1.65 RPM RANGE TO SUIT 308, FOR 253 RPM RANGE ADD +500 RPM.

Application	RPM Range	Part No.	Adv. Duration		.050" Duration		Valve Lift		LSA	Lash Intake	Lash Exhaust	Lifters	Valve Spring	Installed Height	Retainer	Locks	Stem Seal	Timing Kit	Pushrods	Rockers
			Intake	Exhaust	Intake	Exhaust	Intake	Exhaust												
RED/BLUE & BLACK HYDRAULIC USE ZDDP100 OIL ADDITIVE AND QUALITY MINERAL ENGINE OIL ONLY																				
Hi torque, smooth idle, fuel efficient can use as STD cam	1100 - 3900	5613	260	267	194	202	.430"	.450"	112			HT969C-16	4931-16	1.700"	11707-16	11701-16	KG819-16	CS8308	PR-387-16	CRHL8167
Cam to suit LPG, good power, great torque in STD engine, can use petrol	1200 - 4000	5631	269	269	202	207	.434"	.434"	112			HT969C-16	4931-16	1.700"	11707-16	11701-16	KG819-16	CS8308	PR-387-16	CRHL8167
Hyd cam, for improved throttle response (See Fitting notes 1 & 2)	1500 - 4500	5602	270	270	208	208	.462"	.462"	110			HT969C-16	4833-16	1.700"	11707-16	11701-16	KG819-16	CS8308	PR-964-16	CRHL8167
Cam for increased mid range, smooth idle good economy, dual pattern for LPG (See Fitting notes 1 & 2)	1700 - 4700	5666	270	280	204	214	.462"	.486"	112			HT969C-16	4833-16	1.700"	11707-16	11701-16	KG819-16	CS8308	PR-964-16	CRHL8167
Designed for increased performance suit street, needs headers carbie & ignition (See Fitting notes 1 & 2)	2000 - 4800	5603	280	280	214	214	.486"	.486"	110			HT969C-16	4833-16	1.700"	11707-16	11701-16	KG819-16	CS8308	PR-964-16	CRHL8167
Medium performance cam, great torque & mid range,needs headers carbie & ignition (See Fitting notes 1 & 2)	2100- 5000	5770	280	290	214	226	.483"	.490"	111			HT969C-16	4833-16	1.700"	11707-16	11701-16	KG819-16	CS8308	PR-964-16	CRHL8167
Medium performance cam, good med range,needs headers carbie,ignition, hi stall (See Fitting notes 1 & 2)	2100- 5000	5665	280	290	214	224	.484"	.511"	112			HT969C-16	4845-16	1.850"	11717-16	4134-16	KG819-16	CS8308	PR-964-16	CRHL8167
Med performance cam, good RPM range fair idle, headers carbie,ignition, hi stall (See Fitting notes 1 & 2)	2400 - 5400	5651	282	282	222	222	.493"	.493"	114			HT969C-16	4833-16	1.700"	11707-16	11701-16	KG819-16	CS8308	PR-964-16	CRHL8167
Hot street cam, wide power range,choppy idle, needs headers carbies, ignition & hi stall (See Fitting notes 1 & 2)	2500- 5500	5619	286	290	226	232	.505"	.522"	110			HT969C-16	4845-16	1.850"	11717-16	4134-16	KG819-16	CS8308	PR-964-16	CRHL8167
Aggressive street cam, great RPM range Lumpy idle needs headers carbie, ignition (See Fitting notes 1 & 2)	2700 - 6000	5761	292	292	230	230	.495"	.495"	109			HT969C-16	4833-16	1.700"	11707-16	11701-16	KG819-16	CS8308	PR-964-16	CRHL8167
Aggressive hyd cam great upper RPM need good breathing & engine combo etc (See Fitting notes 1 & 2)	2700 - 6200	5620	294	294	234	234	.521"	.521"	110			HT969C-16	4845-16	1.850"	11717-16	4134-16	KG819-16	CS8308	PR-964-16	CRHL8167
Street /strip hyd cam, aggressive idle needs heads, carbie headers & hi stall (See Fitting notes 1 & 2)	2800 - 6000	5649	282	295	234	244	.501"	.501"	108			HT969C-16	4833-16	1.700"	11707-16	11701-16	KG819-16	CS8308	PR-964-16	CRHL8167
Street /strip hyd cam, aggressive idle needs heads, carbie headers, hi stall & roller rockers (See Fitting notes 1 & 2)	2800 - 6000	5787	284	295	238	246	.535"	.540"	108			HT969R-16	4845-16	1.850"	11717-16	4134-16	VSV530-16	CS8308	PR-964-16	CRHL8167
Street /strip hyd cam, aggressive idle needs heads, carbie headers, hi stall & roller rockers (See Fitting notes 5)	3000 - 6200	5747	294	307	236	246	.577"	.586"	107			HT969R-16	7333-16 ^D	1.800"	11710-16	4133-16	KG819-16	CS8308	PR-964-16	CRHL8167
Street / strip hyd cam, will need engine mods, comp,pipes,heads, ignition & hi stall (See Fitting notes 1 & 2)	3000 - 6200	5616	300	300	240	240	.495"	.495"	110			HT969C-16	4833-16	1.700"	11707-16	11701-16	KG819-16	CS8308	PR-964-16	CRHL8167
Strong mid range & top end power needs comp, pipes, heads ignition, hi stall & roller (See Fitting notes 1 & 2)	3000 - 6200	5690	300	310	238	243	.525"	.525"	108			HT969R-16	4845-16	1.850"	11717-16	4134-16	KG819-16	CS8308	PR-964-16	CRHL8167
Street/strip cam all out performance needs heads,carbie headers,ignition, hi stall & roller rockers (See Fitting notes 5)	3500 - 6500	5802	295	295	246	246	.558"	.558"	108			HT969R-16	7333-16 ^D	1.800"	11710-16	4133-16	VSV530-16	CS8308	PR-964-16	CRHL8167

FITTING NOTES: 1. Must use performance springs. 2. Must use performance retainers. 3. Machining required to fit these components. 4. Must use performance seal. 5. Notes 1 to 4 all apply to this part number. 6. Check valve train geometry before ordering pushrod. 7. Pushrod length varied in this model. Check length before ordering. 8. Spring height varies in models, check spring pressure before installation.

FITTING NOTES:

- Converter stall speed should be equal to or greater than the minimum rpm of the cam power range.
- All lash settings quoted are measured hot. • The use of high volume oil pumps may cause premature wear of the distributor gear.

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

HOLDEN 253, 308 V8 ROCKER RATIO 1.65

Application	RPM Range	Part No.	Adv. Duration		.050" Duration		Valve Lift		LSA	Lash Intake	Lash Exhaust	Lifters	Valve Spring	Installed Height	Retainer	Locks	Stem Seal	Timing Kit	Pushrods	Rockers
			Intake	Exhaust	Intake	Exhaust	Intake	Exhaust												
RED/BLUE/BLACK SOLID USE ZDDP100 OIL ADDITIVE AND QUALITY MINERAL ENGINE OIL ONLY																				
Solid cam, great mid range power, lumpy idle, needs heads, headers & carbies etc (See Fitting notes 5)	2700 - 5700	5626	278	288	238	244	.534"	.544"	109	.024"	.026"	AT992-16	7333-16 ^D	1.800"	11710-16	4133-16	VSV530-16	CS8308	PR-974-16	CRHL8167
Solid cam, high lift, needs head mods, headers,carbie, ignition (See Fitting notes 5)	3100 - 6200	5803	295	295	248	248	.545"	.545"	108	.022"	.024"	AT992-16	7333-16 ^D	1.800"	11710-16	4133-16	VSV530-16	CS8308	PR-974-16	CRHL8167
Solid cam, high lift, max upper RPM needs head mods, headers,carbies ignition (See Fitting notes 5)	3300 - 6500	5806	281	294	245	255	.538"	.558"	109	.018"	.022"	AT992-16	7333-16 ^D	1.800"	11710-16	4133-16	VSV530-16	CS8308	PR-974-16	CRHL8167
Serious street engine combo needed (See Fitting notes 5)	3500 - 6500	5731	292	297	253	260	.584"	.597"	108	.026"	.026"	AT992L-16	7342-16 ^D	1.850"	11710-16	4134-16	VSV530-16	CS8308	PR5885-110	CRHL8167
Competition, serious engine combo needed (See Fitting notes 5)	3800 - 6800	5794	306	311	265	268	.623"	.623"	107	.014"	.016"	AT992L-16	7342-16 ^D	1.850"	11710-16	4134-16	VSV530-16	CS8308	PR5885-110	CRHL8167
RED/BLUE/BLACK HYDRAULIC ROLLER																				
Mild performance cam great bottom end & mid range, choppy idle need manifold & headers (See Fitting notes 5)	1800 - 5400	51330	275	282	220	227	.541"	.551"	110			5208H	7342-16 ^D	1.850"	11710-16	4134-16	VSV530-16	CS8308	See Notes	CRHL8167
Performance cam great mid range, choppy idle need manifold & headers (See Fitting notes 5)	2800 - 6200	51433	297	303	228	238	.607"	.603"	110			5208H	7342-16 ^D	1.850"	11710-16	4134-16	VSV530-16	CS8308	See Notes	CRHL8167
Performance cam great mid range, choppy idle need manifold & headers (See Fitting notes 5)	3200 - 6400	51315	303	307	238	244	.568"	.568"	108			5208H	7342-16 ^D	1.850"	11710-16	4134-16	VSV530-16	CS8308	See Notes	CRHL8167
Performance cam aggressive idle excellent mid range needs comp heads manifold etc 3500 hi stall (See Fitting notes 5)	3500 - 6200	51719	295	315	238	243	.585"	.621"	107			5208H	7342-16 ^D	1.850"	11710-16	4133-16	VSV530-16	CS8308	See Notes	CRHL8167
Performance cam good mid to upper RPM range, aggressive idle need comp manifold & headers etc 3500 +hi stall (See Fitting notes 5)	3500 - 6800	51725	301	312	242	246	.624"	.624"	109			5208H	7342-16 ^D	1.850"	11710-16	4133-16	VSV530-16	CS8308	See Notes	CRHL8167
Performance cam good mid to upper RPM range, choppy idle need manifold & headers comp etc, 3500+ hi stall (See Fitting notes 5)	3700 - 7000	51571	310	310	246	246	.627"	.627"	110			5208H	7342-16 ^D	1.850"	11710-16	4133-16	VSV530-16	CS8308	See Notes	CRHL8167
Performance cam 355+cubes great upper RPM range, choppy idle need manifold & headers comp etc, 3500+ hi stall (See Fitting notes 5)	3800 - 7000	51435	317	326	249	258	.570"	.570"	108			5208H	7342-16 ^D	1.850"	11710-16	4133-16	VSV530-16	CS8308	See Notes	CRHL8167
RED/BLUE/BLACK SOLID ROLLER																				
Small street roller, low lift, heap of bottom end torque, soft on valve springs (See Fitting notes 5)	2800 - 5800	5969	304	315	233	242	.545"	.545"	110	.016"	.016"	5208	7342-16 ^D	1.850"	11710-16	4133-16	VSV530-16	CS8308	See Notes	
Street roller. Great mid range torque (See Fitting notes 5)	3200 - 6400	51551	281	287	245	251	.621"	.621"	107	.016"	.016"	5208	4910-16 ^D	2.000"	13101-16	11101-16	VSV530-16	CS8308	See Notes	
Street/strip application bracket engine cam needs comp A/F heads & hi stall (See Fitting notes 5)	3500 - 6800	51301	286	295	252	260	.596"	.596"	108	.018"	.018"	5208	4910-16 ^D	2.000"	13101-16	11101-16	VSV530-16	CS8308	See Notes	
Street/strip application bracket engine needs comp and after market heads etc (See Fitting notes 5)	3600 - 7000	51482	290	294	252	257	.666"	.666"	113	.016"	.016"	5208	4920-16 ^D	2.000"	13101-16	11101-16	VSV530-16	CS8308	See Notes	
Street/strip application, bracket engine needs comp, good heads etc (See Fitting notes 5)	3800 - 7200	5754	295	298	255	258	.660"	.677"	106	.016"	.016"	5208	4920-16 ^D	2.000"	13101-16	11101-16	VSV530-16	CS8308	See Notes	
Performance cam 355+cubes great upper RPM range, choppy idle need manifold & headers comp etc, 3500+ hi stall (See Fitting notes 5)	4000- 7200	51492	300	306	262	268	.623"	.623"	107	.018"	.020"	5208	4910-16 ^D	2.000"	13101-16	11101-16	VSV530-16	CS8308	See Notes	

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

FITTING NOTES: 1. Must use performance springs. 2. Must use performance retainers. 3. Machining required to fit these components. 4. Must use performance seal. 5. Notes 1 to 4 all apply to this part number. 6. Check valve train geometry before ordering pushrod. 7. Pushrod length varied in this model. Check length before ordering. 8. Spring height varies in models, check spring pressure before installation.

FITTING NOTES: Push Rods sold separately. Check length before ordering from page 78.
 • Converter stall speed should be equal to or greater than the minimum rpm of the cam power range.
 • All lash settings quoted are measured hot. • The use of high volume oil pumps may cause premature wear of the distributor gear.