

TOUGH SOUNDS FOR HOT RODS

Hot Rod and Street Machine builders often ask for cam combinations that will produce a tough idle and engine note without sacrificing street driveability or engine reliability. The range of Crow Hot Rod hydraulic grinds are designed with increased overlap to produce a lumpy idle that will stand out in the crowd.

Two options are available for popular US small block V8s one suitable for standard torque converters with good power and torque from 1600 rpm and the second to suit 2400 stall converters with stronger mid range and top end power from 2500 rpm. Please note hot rod cams will have low vacuum due to the tight lobe center.



CROW CAMS TOUGH CAM

Application	RPM Range	Part No.	Adv. Duration		.050" Duration		Valve Lift		LSA	Lash	Oil Additive	Lifters	Valve Spring	Installed Height	Retainer	Locks	Stem Seal	Timing Kit	Pushrods	Rockers
			Intake	Exhaust	Intake	Exhaust	Intake	Exhaust												
CHEVROLET SMALL BLOCK HYDRAULIC ROCKER RATIO 1.50																				
NOTE: MUST USE CROW CAMS MELONISED DISTRIBUTOR GEAR. SEE PG 85 FOR DISTRIBUTOR GEARS																				
Medium idle, strong mid range (See Fitting notes 1)	1600 - 4600	1603-8	280	280	214	214	.442"	.442"	108		ZDDP-100	HT817C-16	4843-16	1.700"	11707-16	11701-16	KG819-16	CS8350	PR-937	CRCSB153
Lumpy idle, strong mid / high range performance (See Fitting notes 1)	2500 - 5500	1686	292	292	224	224	.440"	.440"	108		ZDDP-100	HT817C-16	4843-16	1.700"	11707-16	11701-16	KG819-16	CS8350	PR-937	CRCSB153
FORD WINDSOR 289W-302W ROCKER RATIO 1.62																				
Medium idle, strong mid range (See Fitting notes 1 & 7)	1600 - 4600	15890-8	272	280	212	217	.467"	.475"	108		ZDDP-100	HT900-16	7736-16	1.700"	11700-16	11701-16	KG317-16	CS8302W	See Notes	CRFW163
Lumpy idle, strong mid / high range performance (See Fitting notes 1 & 7)	2500 - 5500	15689	282	289	222	230	.480"	.486"	106		ZDDP-100	HT900-16	7736-16	1.700"	11700-16	11701-16	KG317-16	CS8302W	See Notes	CRFW163
FORD CLEVELAND 302C - 351C ROCKER RATIO 1.73																				
Medium idle, strong mid range (See Fitting notes 1 & 2)	1600 - 4600	21666-8	268	288	204	214	.481"	.512"	108		ZDDP-100	HT900-16	7738-16	1.820"	12700-16	11702-16	KG317-16	CS8351C	PR-414	CRFCL177
Lumpy idle, strong mid / high range performance. (See Fitting notes 1 & 2)	2500 - 5500	21689-6	282	289	222	230	.512"	.519"	106		ZDDP-100	HT900-16	7738-16	1.820"	12700-16	11702-16	KG317-16	CS8351C	PR-414	CRFCL177
FORD FLAT HEAD (1949 & Onward)																				
Mild cam good bottom end power, for street engine	1500 - 4800	63582	273	289	210	215	.314"	.327"	111		ZDDP-100									
Medium cam lumpy idle good mid range power	2200 - 5200	635290	285	290	228	228	.363"	.364"	110		ZDDP-100									
Hot cam, lumpy idle, good upper RPM range need well prepared engine	2500 - 5500	635289	298	292	244	244	.406"	.406"	109		ZDDP-100									
For all pre 1949 SV engines use this part number, ask about the many grinds available for Flat Head Fords		633900									ZDDP-100									
HOLDEN 253-308 V8 HYDRAULIC																				
Lumpy cam, increased mid range performance. (See Fitting Notes 1 & 2)	1500 - 4800	5666-8	268	288	204	214	.481"	.512"	108		ZDDP-100	HT969C-16	4833-16	1.700"	11707-16	11701-16	KG819-16	CS8308	PR-964-16	

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:

- 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.