

LINGENFELTER

PERFORMANCE ENGINEERING

Camshaft:

GT22

LPE part #: L210170106

Engine(s): GM Gen III & IV V8 engines except Displacement On Demand (DOD) & camshaft phaser applications
Firing order: 1-8-7-2-6-5-4-3 (per standard GM V8 cylinder numbering)

	Intake	Exhaust			
Valve adjustment:	HYD	HYD			
Lobe lift (inches):	0.346	0.35			
Valve lift (inches):	0.588	0.595	with	1.7	rocker ratio
Valve lift (inches):	0.623	0.630	with	1.8	rocker ratio
Duration @ 0.006":	277	281			
Duration @ 0.050":	228	232			
Lobe Separation Angle (LSA):	118.0				
Degrees of advance:	0.0				
Valve timing @ 0.050" tappet lift:		Opening		Closing	
	Intake	-4.0 BTDC		52.0 ABDC	
					Overlap angle -6.0
	Exhaust	54.0 BBDC		-2.0 ATDC	

These specs are with cam installed at: 118.0 **intake center line** 118.0 **exhaust center line**

Recommended installation angle: 0 (intake center line angle)

Recommended valve springs: LPE LPE beehive LSx spring set (PN L230055297) 1.7:1 rocker applications
 LSx double valve spring kit with titanium retainers (PN L230075897) 1.8:1 rocker applications
 Comp Cams 26921 valve springs (26921-KIT) 1.8:1 rocker applications
 Ferrea S99100 1.8:1 rocker applications

Notes: LPE recommends thoroughly cleaning the camshaft and liberally applying engine assembly lube prior to installation.
 LPE also recommends checking for proper pushrod length when installing a new camshaft.
 Most 2006-2013 Gen IV engines use a single bolt camshaft (except the LS7 & LS9). These engines will need an installation kit from LPE.
 This camshaft is ground with 0 advance so no offset bushing or adjustable timing gear should be needed for proper installation.
 LPE recommends always degreasing in the camshaft to confirm the camshaft location.