

# LINGENFELTER

## PERFORMANCE ENGINEERING

**Camshaft:**

**GT21**

LPE part #: L210146006

**Engine(s):** LS7 & other 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)

	<b>Intake</b>	<b>Exhaust</b>			
<b>Valve adjustment:</b>	HYD	HYD			
<b>Lobe lift (inches):</b>	0.384	0.390			
<b>Valve lift (inches):</b>	0.653	0.663	<b>with</b>	1.7	<b>rocker ratio</b>
<b>Valve lift (inches):</b>	0.691	0.702	<b>with</b>	1.8	<b>rocker ratio</b>
<b>Duration @ 0.006":</b>	293	309			
<b>Duration @ 0.050":</b>	243	259			
<b>Lobe Separation Angle (LSA):</b>	112.0				
<b>Degrees of advance:</b>	0.0				
<b>Valve timing @ 0.050" tappet lift:</b>		<b>Opening</b>		<b>Closing</b>	
	<b>Intake</b>	9.5 BTDC		53.5 ABDC	
				<b>Overlap angle</b>	27.0
	<b>Exhaust</b>	61.5 BBDC		17.5 ATDC	
<b>These specs are with cam installed at:</b>	112.0	<b>intake center line</b>		112.0	<b>exhaust center line</b>

**Recommended installation angle:** 112 (intake center line angle)

**Recommended valve springs:** LSx double valve spring kit with titanium retainers (PN L230075897) 1.7:1 rocker applications  
 Comp Cams 26921 valve springs (26921-KIT) 1.7:1 rocker applications  
 Ferrea S99100 (LPE kit PN L230036006 with retainers, locks, seals & seats) 1.7 & 1.8:1 rocker applications

**Notes: This is a high lift camshaft. Be sure to check valve geometry and tip wear pattern/contact to be sure of your geometry.**

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). 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.

