



CAMSHAFT SPECIFICATION CARD

PART NUMBER: 888311							
GRINDNO: R-250/390-2S-8							
ENGINE IDENT: 1989-UP HOLDEN V-8 304-350 CU.IN. P.F.I.							
VALVE SETTING: INTAKE .020			EXHAUST .022		→ HOT		
INTAKE @ CAM 390		@ VALVE 624		ROCKER ARM RATIO			
LIFT: EXHAUST @ CAM 3901		@ VALVE 624		1.60			
<small>ALL LIFTS ARE BASED ON ZERO LASH AND THEORETICAL ROCKER RATIOS</small>							
CAM TIMING .020		OPENS		CLOSES		ADVERTISED DURATION	
INTAKE		37.5 BTDC		63.5 ABDC		281.0 °	
@ TAPPET	LIFT	EXHAUST	78.0 BBDC	32.0 ATDC	290.0 °		
SPRING REQUIREMENTS					RECOMMENDED RPM RANGE WITH MATCHING COMPONENTS		
		TRIPLE	DUAL	OUTER			INNER
PART NUMBER	96883						
LOADS:	CLOSED:	224	LBS @ 1.950	OR 1 61/64		MINIMUM RPM 3500	
	OPEN:	524	LBS @ 1.380			MAXIMUM RPM 7300	
						VALVE FLOAT 7900	
CAM TIMING @.050		OPENS		CLOSES		MAX LIFT	
INTAKE		22.0 BTDC		48.0 ABDC		103 ° ATDC	
TAPPET	LIFT	EXHAUST	62.0 BBDC	16.0 ATDC	113 ° BTDC		
						258.0 °	

IMPORTANT!

Crane Cams continuously improves and upgrades its cam designs. In some cases this may mean that two Crane Cams with the same part number may actually be different grinds. You must check the GRIND NUMBER stamped on the front of the camshaft and check it against the Grind Number near the top of the Spec Card. For more information on the finest available camshafts, valve train components, and automotive ignition products, visit your local Crane dealer or call the Crane Cams tech line at (866) 388-5120 or fax (608) 627-0480.

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CAMSHAFT SPECIFICATION CARD

PART NUMBER: **888321**
 GRINDNO: **R-256/390-2S1-7**
 ENGINE IDENT: **1989-UP HOLDEN V-8 304-350 CU.IN. P.F.I.**

VALVE SETTING: INTAKE .020		EXHAUST .022		→ HOT	
INTAKE @ CAM	390	@ VALVE	624	ROCKER ARM RATIO	
LIFT: EXHAUST @ CAM	390	@ VALVE	624	1.60	
<small>ALL LIFTS ARE BASED ON ZERO LASH AND THEORETICAL ROCKER RATIOS</small>					
CAM TIMING		OPENS		CLOSES	ADVERTISED DURATION
.020	INTAKE	40.5 BTDC		66.5 ABDC	287.0 °
@ TAPPET	LIFT EXHAUST	78.0 BBDC		36.0 ATDC	294.0 °
SPRING REQUIREMENTS					RECOMMENDED RPM RANGE WITH MATCHING COMPONENTS
PART NUMBER	TRIPLE	DUAL	OUTER	INNER	MINIMUM RPM
	96883				3500
LOADS: CLOSED:	224	LBS @	1.950	OR	1 61/64
OPEN:	524	LBS @	1.380		
					MAXIMUM RPM
					7300
					VALVE FLOAT
					7900
CAM TIMING		OPENS		CLOSES	MAX LIFT
@.050	INTAKE	25.0 BTDC		51.0 ABDC	103 °ATDC
TAPPET	LIFT EXHAUST	62.0 BBDC		20.0 ATDC	111 °BTDC
					DURATION
					256.0 °
					262.0 °

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CAMSHAFT SPECIFICATION CARD

PART NUMBER: 888341					
GRINDNO: R-264/420-2-8					
ENGINE IDENT: 1989-UP HOLDEN V-8 304-350 CU.IN. P.F.I.					
VALVE SETTING: INTAKE .020		EXHAUST .020		→ HOT	
INTAKE @ CAM	420	@ VALVE	672	ROCKER ARM RATIO	
LIFT: EXHAUST @ CAM	420	@ VALVE	672	1.60	
<small>ALL LIFTS ARE BASED ON ZERO LASH AND THEORETICAL ROCKER RATIOS</small>					
CAM TIMING		OPENS		CLOSES	ADVERTISED DURATION
.0205	INTAKE	43.0 BTDC		73.0 ABDC	296.0 °
@ TAPPET	LIFT EXHAUST	84.0 BBDC		42.0 ATDC	306.0 °
SPRING REQUIREMENTS					RECOMMENDED RPM RANGE WITH MATCHING COMPONENTS
PART NUMBER	TRIPLE	DUAL	OUTER	INNER	MINIMUM RPM
	96886				3900
LOADS: CLOSED:	225	LBS @	1.950	OR	1 61/64
OPEN:	658	LBS @	1.330		
					MAXIMUM RPM
					7700
					VALVE FLOAT
					8300
CAM TIMING		OPENS		CLOSES	MAX LIFT
@.050	INTAKE	28.0 BTDC		56.0 ABDC	103 °ATDC
TAPPET	LIFT EXHAUST	69.0 BBDC		25.0 ATDC	113 °BTDC
					DURATION
					264.0 °
					274.0 °

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CAMSHAFT SPECIFICATION CARD

PART NUMBER: 888351							
GRINDNO: R-274/4381-2S1-9							
ENGINE IDENT: 1989-UP HOLDEN V-8 304-350 CU.IN. P.F.I.							
VALVE SETTING: INTAKE .020			EXHAUST .022		→ HOT		
INTAKE @ CAM 4381		@ VALVE 701		ROCKER ARM RATIO			
LIFT: EXHAUST @ CAM 4381		@ VALVE 701		1.60			
<small>ALL LIFTS ARE BASED ON ZERO LASH AND THEORETICAL ROCKER RATIOS</small>							
CAM TIMING		OPENS		CLOSES		ADVERTISED DURATION	
.020		47.0 BTDC		79.0 ABDC		306.0 °	
@ TAPPET	LIFT	EXHAUST	88.0 BBDC	44.0 ATDC	312.0 °		
SPRING REQUIREMENTS					RECOMMENDED RPM RANGE WITH MATCHING COMPONENTS		
		TRIPLE	DUAL	OUTER			INNER
PART NUMBER	96886						
LOADS:	CLOSED:	225	LBS @ 1.950	OR 1 61/64			
	OPEN:	684	LBS @ 1.290				
CAM TIMING		OPENS		CLOSES		MAX LIFT	
@.050		31.0 BTDC		63.0 ABDC		104 °ATDC	
TAPPET	LIFT	EXHAUST	72.0 BBDC	28.0 ATDC	114 °BTDC		
					274.0 °		
					280.0 °		

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CAMSHAFT SPECIFICATION CARD

PART NUMBER: 888331							
GRINDNO: R-260/420-2S2-8							
ENGINE IDENT: 1989-UP HOLDEN V-8 304-350 CU.IN. P.F.I.							
VALVE SETTING: INTAKE .020			EXHAUST .020		→ HOT		
INTAKE @ CAM 420		@ VALVE 672		ROCKER ARM RATIO			
LIFT: EXHAUST @ CAM 420		@ VALVE 672		1.60			
<small>ALL LIFTS ARE BASED ON ZERO LASH AND THEORETICAL ROCKER RATIOS</small>							
CAM TIMING		OPENS		CLOSES		ADVERTISED DURATION	
.0205		41.0 BTDC		71.0 ABDC		292.0 °	
@ TAPPET	LIFT	EXHAUST	81.0 BBDC	39.0 ATDC	300.0 °		
SPRING REQUIREMENTS					RECOMMENDED RPM RANGE WITH MATCHING COMPONENTS		
		TRIPLE	DUAL	OUTER			INNER
PART NUMBER		96886					
LOADS:	CLOSED:	225	LBS @ 1.950	OR 1 61/64		MINIMUM RPM 3500	
	OPEN:	658	LBS @ 1.330			MAXIMUM RPM 7300	
						VALVE FLOAT 7900	
CAM TIMING		OPENS		CLOSES		MAX LIFT	
@.050		26.0 BTDC		54.0 ABDC		103 °ATDC	
TAPPET	LIFT	EXHAUST	66.0 BBDC	22.0 ATDC	113 °BTDC		
						DURATION 260.0 °	
						268.0 °	

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