

CRANE Cams® CAMSHAFT SPECIFICATION CARD

PART NUMBER: **448801**

ENGINE TYPE: **MECHANICAL ROLLER SPECIAL**

GRINDNO: **R-252/420-2S-8**

ENGINE IDENT: **1969-UP FORD-MERCURY V-8 WINDSOR 351 CU.IN.
& 82-UP 302 H.O.**

VALVE SETTING: INTAKE		.020	EXHAUST		.020	→ HOT	
INTAKE @ CAM		420	@ VALVE		672	ROCKER ARM RATIO	
LIFT: EXHAUST @ CAM		420	@ VALVE		672	1.60	
ALL LIFTS ARE BASED ON ZERO LASH AND THEORETICAL ROCKER RATIOS							
CAM TIMING			OPENS		CLOSES	ADVERTISED DURATION	
.0205		INTAKE	37.0 BTDC		67.0 ABDC	284.0	
@ TAPPET	LIFT	EXHAUST	76.0 BBDC		34.0 ATDC	290.0	
SPRING REQUIREMENTS						RECOMMENDED RPM RANGE WITH MATCHING COMPONENTS	
PART NUMBER	TRIPLE	DUAL	OUTER	INNER			
	99885						
LOADS:	CLOSED:	215 LBS	@ 1.950	OR 1 61/64			
	OPEN:	592 LBS	@ 1.320				
					MINIMUM RPM	3600	
					MAXIMUM RPM	7400	
					VALVE FLOAT	8000	
CAM TIMING			OPENS		CLOSES	MAX LIFT	DURATION
@ .050		INTAKE	22.0 BTDC		50.0 ABDC	103	ATDC 252.0
TAPPET	LIFT	EXHAUST	61.0 BBDC		17.0 ATDC	113	BTDC 258.0
FIRING ORDER: 1-3-7-2-6-5-4-8							

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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TECHNICAL INFORMATION CALL (866) 388-5120 OR FAX (608) 627-0480