

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 | |
| <small>ALL LIFTS ARE BASED ON ZERO LASH AND THEORETICAL ROCKER RATIOS</small> | | | | | |
| CAM TIMING | | OPENS | | CLOSES | |
| .0205 | | INTAKE 37.0 BTDC | | ADVERTISED DURATION | |
| @ TAPPET | LIFT | EXHAUST | 76.0 BBDC | 67.0 ABDC | 284.0 |
| | | | 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 | | | |
| CAM TIMING | | OPENS | | CLOSES | |
| @ .050 | INTAKE | 22.0 BTDC | | MAX LIFT | |
| TAPPET | LIFT | EXHAUST | 61.0 BBDC | 50.0 ABDC | 103 °ATDC |
| | | | 17.0 ATDC | | 252.0 ° |
| | | | | | 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