

VALVE GUIDES

SBI offers the Ertel™, Ohio™, and Nylen™ brand valve guides. The SBI valve guide has incorporated over 60 years of foundry and machining technology into each and every guide. Valve guides are manufactured with specified tolerances and can be installed directly into the cylinder head guide bore without additional work.

Considering requirements of emission control engines, this presents unique challenges in repairing today's cylinder head. Almost all OEM engines incorporate positive valve stem seals and chrome plated valves to reduce exhaust emissions. This fact, in relationship to higher operating temperatures, has made valve guide lubrication a prerequisite. Today engine valve guides are composed from complex alloys combining heat treatments and wear coatings to ensure proper lubrication during operations. Many SBI valve guides are designed with an internal spiral groove to provide additional oil retention and reduce valve guide and valve wear. (For more information on Spiral Reamed Guides, visit our Tech Library page.)

SBI valve guide range includes Automotive, Light / Heavy Duty, Industrial, Marine, Sport Compact and Performance. Valve guides are either direct OEM replacement type or Conversion Guides for cylinder head with integral guides. Conversion guides are available with 1/2, 9/16 and 5/8 inch outside diameters in a combination of various inside diameters. For Extreme applications, many Conversion Guides are available in High Strength Alloy and are Heat Treated to Rockwell 30 "C" Scale, which produces the ultimate in wear resistance. This is far superior to any other guide material available, including Bronze. Our hardened conversion guides are designated by a suffix "H" included in the part number.

Valve Guides supplied in a cast iron based material are indicated by a 140 prefix and valve guides supplied in Bronze based material identified by a 340 prefix. Refer to the application section of catalog for your valve guide needs. For additional conversion guides refer to the progressive size listing in reference section of catalog.