

"V-Series"

The V-series are a recent addition to the high performance bearings in the Clevite 77 line. These parts essentially duplicate the former Vandervell parts under the Clevite 77 part numbering system. (Same core part no. as standard passenger car parts but with a suffix letter "V").

V-series rod bearings typically have low to medium eccentricity and a hardened steel back. All V-series main sets use a single piece thrust-bearing rather than the former Vandervell assembled type of construction. V-series parts are not available with dowel holes or oversize chamfers. Extra clearance parts are available with a suffix VX (.001" extra clearance), and VXX (.002" extra clearance) for some applications. V-series bearings do not have flash plating on the steel back.

The chief difference between the V-series and other Clevite 77 trimetal bearings is the use of a lead-indium overlay.

Use V series bearings if prior experience has shown a preference for the lead-indium type of overlay. Lead-indium overlay offers somewhat better conformability than lead-tin-copper overlay with slightly reduced wear resistance.

CLEVITE 77
PERFORMANCE

Low to Medium eccentricity.

High crush for better seating and retention.



Lead-indium overlay for improved conformability.



Unplated hardened-steel backing for better dimensional accuracy and bore contact.

Higher crush for better seating and retention.



Wide oil grooves on main bearings accommodate more oil.

Hardened steel backing on selected parts to resist extrusion under load.



Heavy chamfers for clearance on over-size crankshaft fillets.

Micro-thin Babbitt for surface properties and tolerance for shaft deflection.

"M-Series"

"Clevite Micro" bearings make up the M series. These are special purpose bearings having a nominal .006" thick babbitt lining on a hardened steel back. M series rod bearings have been slightly narrowed at one end to provide extra fillet clearance without the need of a large chamfer. The lower rod shells have a dowel hole for use in aluminum rods with dowel pins. M series mains have enlarged chamfers and, for certain applications, oil holes and oil grooves have also been enlarged.

Use M series parts to take advantage of the high degree of conformability offered by the babbitt lining. These parts are intended mainly for Blown Fuel engines where severe crankshaft deflections cause edge loading of the bearings. Under these operating conditions bearing service life will be very short.

Frequent inspections are recommended and bearings should be replaced at the first signs of distress.

CLEVITE 77

SHIP • RELIABLE PARTS • DEPENDABLE SERVICE • QUALITY CRAFTSMANSHIP • RELIABLE PARTS • DEPENDABLE SERVICE

LEXINGTON MOORESVILLE
1(800)222-6805 • 1(800)615-6759
FAX: 1(336)249-4922 • www.centralhp.com

