

Seal Bore Tubing Accessories

CMS Seal Bore Tubing Accessories are offered in a variety of alloy materials and seal systems to allow the operator to design a well system compatible with well conditions. Well bore temperature, pressure differential, concentration of hostile elements (CO₂, H₂S, oil concentration, etc.) and seal movement must be considered to determine metallic material and seal type best suited for best performance.

Seals come in two basic types:

- Molded or bonded seals where the elastomer is bonded to a metal ring and the internal seal is provided by an O-ring. This type of seal can be used in applications where they may need to move into and out of the seal bore. Readily available in Nitrile, HNBR, Viton, Fluorel, and other specialty elements on request.
- Chevron or Vee Seals should be used in applications where the seals will remain in the seal bore. Some of the available materials available are Nitrile, HNBR, Viton, Fluorel, Teflon™, Aflas, Ryton™. Other materials and combinations are available on request.
 - NOTE: Teflon is registered trademark of the Dupont Company. Ryton is registered trademark of the Phillips Petroleum Company.

Features and Benefits

- Thread connections are API as a standard, but premium threads can be supplied upon request
- Available in materials suitable for hostile environments
- Pressure rating up to 10,000-psi
- Wide range of seal materials available to suit any well conditions
- For use with CMS DSB and CMS RSB seal bore packers based on seal bore size

Seal Bore Packer Accessories

The CMS Seal Bore Packer accessories are available in standard AISI 4130-4145, 80 - 105 KSI material. Other materials are available on request. Listed below are suggested materials for various well applications.

- AISI 4130-4145, L80 KSI Minimum for use in sour service.
- AISI 4130-4145, 110 KSI Minimum for use in high pressure applications.
- 9 Cr I Mo or 13 Cr alloy steel for use in H₂S and CO₂ applications.
- Inconels or Incoloy 925 alloy steel for use in sever corrosion applications.

Features and Benefits

- Available in standard or premium materials
- Available with standard API thread connections or with premium threads upon request
- Additional sizes and lengths are available upon request to custom fit well application