

Super C-Seal Applications

- Turbine engine case joints
- Fuel injector nozzle
- Manifold to case flanges
- Hydraulic and pneumatic fittings
- Oil drilling equipment
- Vacuum components and systems
- Cryogenic component and systems
- Cylinder head fire seals
- Lightweight flanges and joints with low bolting loads
- High pressures to 50,000 psid and extreme temperatures range from -320F to 1300F.

Contact us for a custom sealing solution.

Metal Seal Profiles

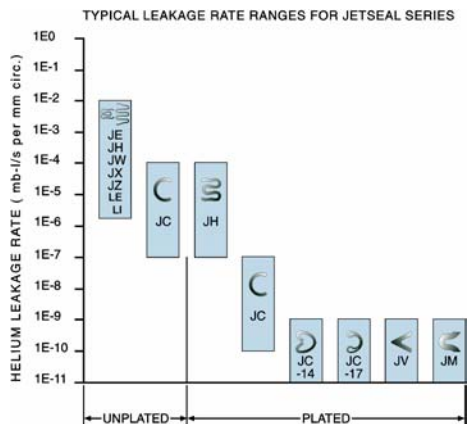
JETSEAL has the largest selection of seal cross-sections in the industry. JETSEAL's goal is to provide our customers with a full line of quality sealing products at competitive prices.

JETSEAL's industry standard seal profiles include:

- **C-Seal** (JC)
- **E-Seal** (JE, JH, JW, JX, JZ)
- **V-Seal** (JV)
- **Omega Seal** (JM)

JETSEAL's patented profiles include:

- **Super C-Seal** (JC)
- **Lever Seal** (LE, LI)



- No circumferential (high stress plane) welding
- Available in any diameter greater than or equal to .018 inches, for both standard and custom cavity dimensions.
- Available in nickel and cobalt based alloys and stainless steel.
- Low-cost, simple construction
- Non-circular geometric shapes
- Wide selection of plating and coating materials.

JETSEAL's Super C-Seals can be used in any application designed for the C-Seal where *enhanced springback* is needed. This one-piece design combines greatly increased springback with higher load for tighter sealing.

Available to fit any manufacturers C-Seal cavity, JETSEAL's Super C-Seal comes in all common C-Seal materials, including alloys 718, X-750, Elgiloy and Waspaloy. The seals cost is only marginally higher than that of standard C-Seals, considerably lower than that of any other highly resilient seal available.



-Standard -Two-Ply Super C-Seal

A two-ply Super C-Seal seal variant may also be specified to exclude system media from the inside of the seal, to avoid carry-over at media changes. Both types may also be substituted for metal O-Rings wherever low springback or weld neck-down leakage is causing failures or poor performance. Super C-Seals are produced from cold-forged TIG welded bands and do not require a local sanding operation during finishing.

