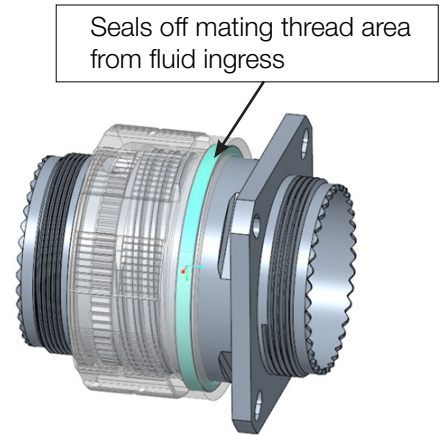
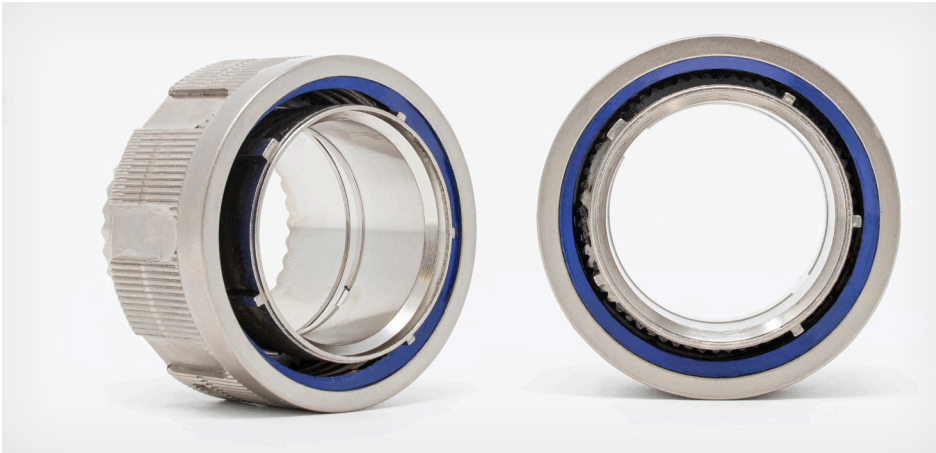


CORROSION INGRESS SEAL

INCREASED PROTECTION FOR D38999 SERIES III PLUGS



Amphenol Aerospace has developed a new **CORROSION INGRESS SEAL** for D38999 Series III-style plug connectors which will significantly increase mated pair protection against salt spray and corrosive atmospheres. The new, patent-pending “wiper design” seal fits in a D38999 Series III coupling nut while still allowing standard intermateability with the receptacle.

Early testing has indicated the new **CORROSION INGRESS SEAL** can have up to 10X the protection against D38999-specified salt spray -- from 48 hours to 480 -- while still maintaining shell-to-shell conductivity and EMI functionality. The new seal provides greater protection to the functional portion of the mating threads, allowing the mated connectors to perform longer in highly corrosive environments and areas with significant water ingress. Perfect for shipboard and other SWAMP (**S**evere **W**ater & **M**oisture **P**rone) environments.

FEATURES & BENEFITS

- Available on D38999 Series III-style plug connectors
- Tested to 480-hour salt spray (D38999 Series III specifies testing to 48 hours)
- Protects mating threads and EMI features to ensure that the connector can withstand corrosive environments for a longer period of time
- Maintains shell-to-shell conductivity and EMI protection while withstanding longer duration corrosive atmospheres
- Significant increase in corrosion resistance by blocking water ingress
- Engineering summary report available upon request
- Compatibility with Wall and Box Mount Receptacles, contact Amphenol for all others.

SALT SPRAY TESTING

20-Day (480 Hours) Results. Mating Receptacles shown below after testing. Plating testing is electroless nickel.



Mated with Plug using
CORROSION INGRESS SEAL



Mated with
Standard Plug