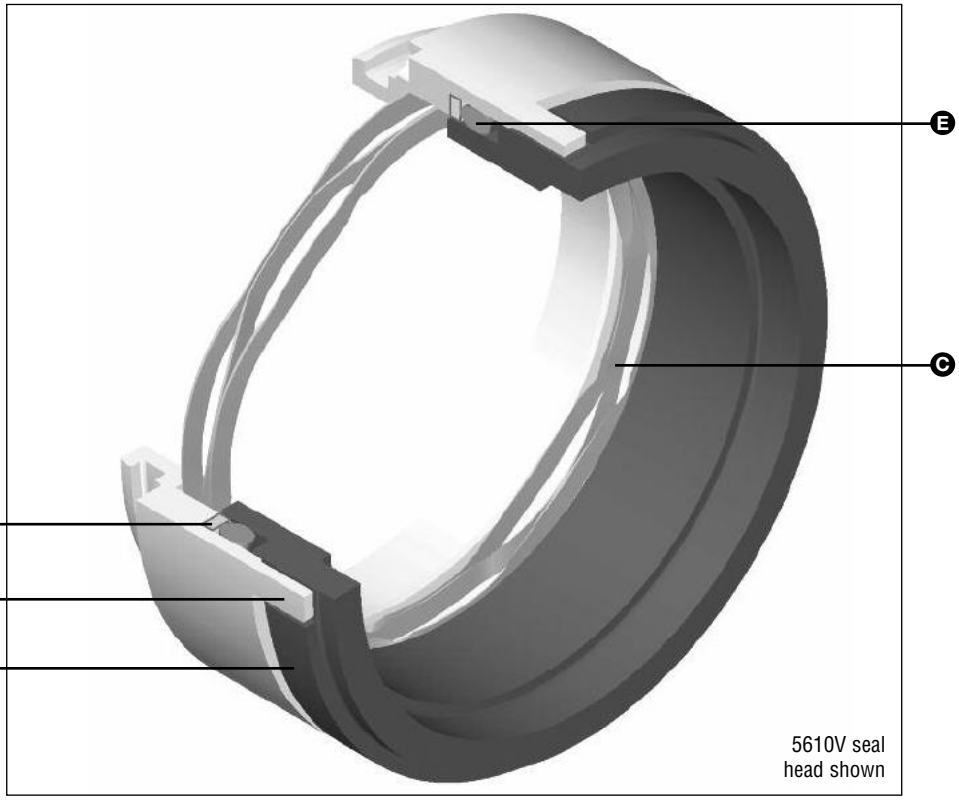
# EAR DRIVE O-RING SEAL

## TYPE 5610V/5610VQ/5620VP

Technical Specification

**A** – Face/Primary Ring
**B** – Ear Drive Retainer
**C** – Nonclogging Wave Spring
**D** – Anti-Extrusion Ring (Only sizes above 75mm / 3.000".)
**E** – O-ring



5610V seal head shown

## Product Description

The specially engineered, fully interchangeable ear drive O-ring seal head extends the functionality of the 5600 series product line for standard ANSI and large bore pumps.

The Type 5610V is a single cartridge using the ear drive O-ring pusher seal head.

The Type 5610VQ is a single cartridge arrangement using the ear drive O-ring pusher seal head along with a quench gland containing a carbon ring throttle bushing.

The Type 5620VP is a dual cartridge arrangement using the ear drive O-ring pusher seal head.

## Performance Capabilities

- Temperature: -30˚C to 205˚C / -20˚F to 400˚F
- Pressure: up to 75mm / 3.000": 21 bar g/300 psig max. over 75mm / 3.000": 13 bar g/200 psig max.
- Speed: up to 25 m/s / 5000 fpm
- End play/axial float allowance: 0.13mm/0.005"
- Runout/out of squareness: 0.05mm/0.002"

## Design Features

- Ear driven primary ring ensures maximum seal life under a wider range of operating conditions
- Retrofits with existing 5600 seal heads
- Optimized primary ring design provides greater reliability
- Nonclogging wave spring is located outside of the product

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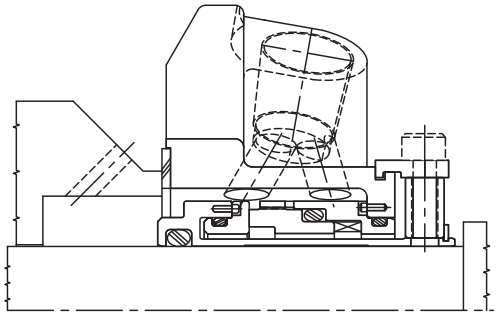
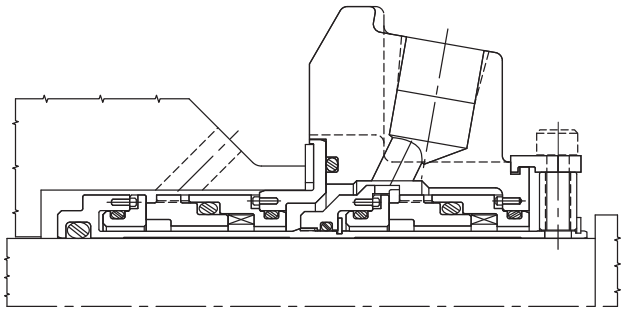
Technical Specification

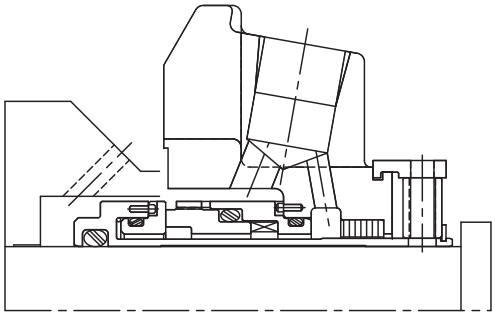
### Type 5610V



### Type 5620VP



### Type 5610VQ



### Type 5610V Seal Head

## Materials of Construction

| SEAL COMPONENTS | MATERIALS | |
|---|---|---|
| **Description** | **Standard** | **Options** |
| Face/Primary Ring | Resin-Impregnated Carbon | Sintered Silicon Carbide<br>Nickel Binder Tungsten Carbide |
| Retainer<br>Anti-Extrusion Ring | 316 Stainless Steel | Alloy 20CB3 SS (UNS N8020)<br>Alloy C-276 (UNS N10276)<br>Titanium |
| O-ring | Fluoroelastomer<br>Ethylene Propylene | Perfluoroelastomer<br>Buna-N<br>Neoprene |
| Spring | Alloy C-276 (UNS N10276) | — |

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