

# Rapid Seal

## Your Machined Seals & Wear Components Specialists

Rapid Seal is Hi-Tech Seals' in-house elastomer and plastic machining service. Our team of professionals can machine high quality new, replacement, and prototype components. Our Rapid Seal services offer industry leading turnaround times to meet our customers' obligations and keep their projects on track.

### Rapid Seal advantages:

- Quick turnaround times
- No minimum quantities
- Extensive inventory of elastomer & plastic billets and tubes
- 130+ standard profiles available
- Custom designed solutions to customer specifications
- Access to engineering & drafting services
- Strict quality control and inspection procedures



Hi-Tech Seals stocks an extensive range of elastomeric compounds and plastic materials. This allows us to provide superior machined solutions that optimize our customers' applications. Our materials are available in a range of tube and billet sizes, enabling us to reduce material waste and save our customers money. We offer a range of material hardnesses, from 70 to 90 durometer on the shore A scale. During the development of lower durometer products, these softer materials enable us to machine a prototype that more closely simulates the final product, without costly tooling charges. Our material offering includes, but is not limited to:

### Elastomers

- BoKure™ Urethane
- Nitrile
- Hydrogenated Nitrile
- Viton™/Fluorocarbon
- Aflas® FEPM
- Chloroprene/Neoprene
- Ethylene Propylene (EPDM)
- Hytrel®

### Plastics

- KasPex™ PEEK - Virgin & Reinforced
- PTFE - Virgin & Reinforced
- Nylon
- Acetal (POM)

Our Rapid Seal division employs a diverse range of cutting-edge machining equipment. This equipment is capable of machining standard and custom profiles with an ID as small as ¼" (6 mm) to an OD as large as 29" (737mm) in-house.

Our customers have access to over 130 Rapid Seal profiles. Our technical professionals can work with customers to modify standard profile designs to optimize seal performance. Possible design modifications include lip design, seal clearances, and various other key dimensions. Our Rapid Seal profile categories include:



Rod Seals



Piston Seals



Lip Seals



Wipers



Guide Rings



Back-Up  
Rings



Gaskets

Contact us today for more information on our Rapid Seal machining services and extensive stock of elastomeric compounds and plastic materials.