



Product Performance. Affordability. Availability.



Black Hawk Seals® is an innovative supplier of high quality, economically priced seals. Engineered for the most demanding seal applications using the latest manufacturing technology, superior materials and industry knowledge.

LOCAL SUPPORT WITH GLOBAL TECHNOLOGY & MANUFACTURING

WHY BLACK HAWK?

- Initially developed for the fluid power industry
- High-performance seal profiles and materials comparable to major manufacturers
- Engineered for the most demanding applications
- Leading manufacturing technology
- Enhanced German, Japanese & US high quality material performance
- Market knowledge
- Well established supply chain
 - Affordability
 - Performance
 - Availability

PRODUCTS – IMPERIAL & METRIC

- Piston Seals
- Rod Seals
- Buffer Seals
- Symmetric Seals
- Rod Wipers
- Wear Rings
- Static Seals
- Rotary Seals
- Pneumatic Seals
- Custom Seal Kits
- Industrial Seal Kits
- O-Ring Seal Kits
- OEM Replacement Seal Kits
- Oil Seals
- Mechanical Seals
- PTFE – Full Range (Spring & Elastomer Energized)
- Custom Seal Design
- Custom Rubber Products

SERVICES PROVIDED

- Product Design
- Reverse Engineering
- Application Engineering Assistance
- Material Identification (FTIR)
- Product Testing
- Kitting
- Automated Inspection
- On-Site Technical Support
- Value Analysis
- Packaging
 - Bulk
 - Individual
 - Custom
- Inventory Management

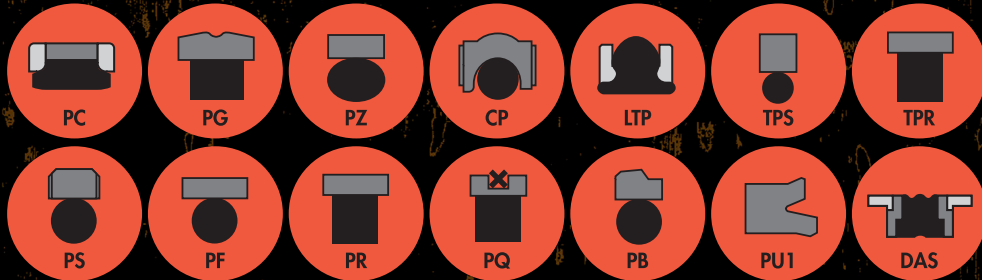
MATERIALS

- **Vulcalon™** – Thermoset Rubber
 - Millable Polyurethanes
 - NBR, HNBR, XNBR
 - FKM, FFKM
 - EPDM
 - Silicone
 - Other Organic Rubbers
- **Rhinolon™** – Thermoplastic Polyurethanes
 - MDI, TODI, PPDI, Polycarbonate
- **Rhinolon™** – Thermoplastic Elastomers
 - TPEE (DuPont Hytrel)
- **Armourlon™** – Engineered Plastics
 - Nylon, POM, PEEK, PEI, UHMWPE
- **Tylon™** – PTFE & Modified PTFE
 - Virgin
 - Bronze
 - Glass Fiber
 - Polyimid
 - Carbon Fiber
 - Others
- **Polycot™** – Composites
 - Polyester Resin/Fabric
 - Phenolic Resin/Fabric

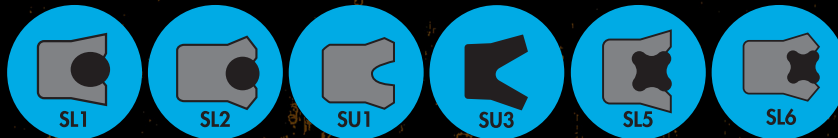


Profiles

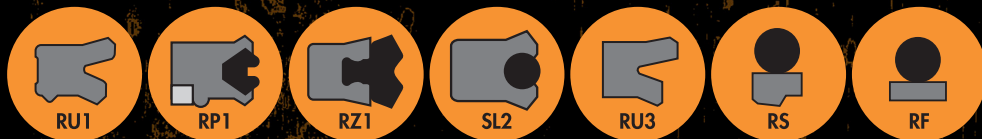
PISTON SEAL PROFILES



SYMMETRICAL SEAL PROFILES



ROD SEAL PROFILES



BUFFER SEAL PROFILES



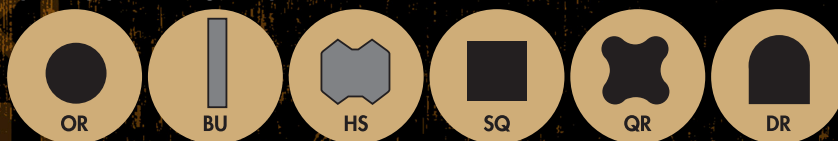
ROD WIPER PROFILES



WEAR RING PROFILES



STATIC SEAL PROFILES



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