



20K – Product Data

Chesterton® 20K seals are rod and piston mounted bi-directional seals, for hydraulic applications. These designs have the capability of sealing in both directions.

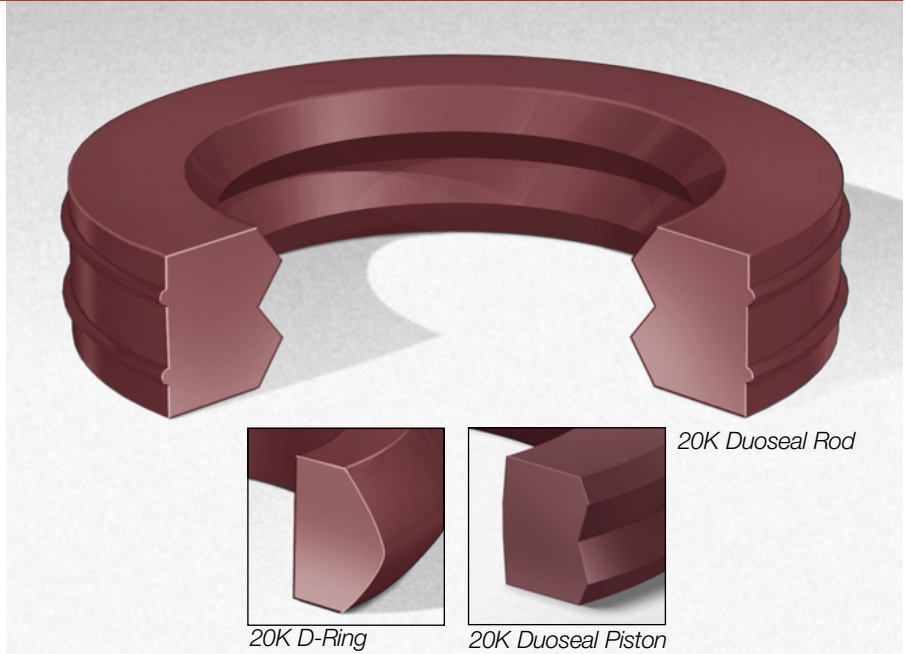
- Only recommended for pressures >500 psi (35 bar)
- Double acting sealing in a single groove. Ideal replacement for 2, 3, or 4 piece cap seal assemblies.
- Loads at zero pressure. Prevents fluid by-pass from start-up.
- Ideal for static and dynamic applications.
- Custom-engineered sizing eliminates unnecessary re-machining by designing around existing equipment dimensions.

For groove heights greater than .25" (6,35 mm)

- **Duoseal** configuration with dual independent sealing points supplied.
- Heavy, durable design for high pressure applications.
- Stands up to pressure spikes. Reduces side loading effects.

DELIVERY INFORMATION

- Standard shipment – 5 days or less.
- 24 hour shipment – Available.



Available Material and Seal Sizes

Material	H	S
95A Super Polymer	≥ 0.125 (3,2) ≤ 1.00 (25)	≥ 0.125 (3,2) ≤ 0.750 (19)

H = Height
S = Cross Section

- High quality material
- Long term elastic memory
- Resists compression setting
- Tough wear resistant
- Extrusion resistant
- Chesterton's thermoset material maintains its properties within the operating temperature range better than other thermoplastic seals

Typical Applications

- Dump body cylinders
- Excavators
- Front end loaders
- Hydraulic hoists
- Tire molding presses
- Mine roof supports
- Continuous miners
- Ranging arm cylinders
- Telescopic cylinders
- Log grapples
- Car compactors
- Bucket trucks
- Casting equipment
- Palletizers
- Valve actuators
- Swivel joints
- Pipe flanges
- Valve manifolds
- Airport ground support equipment

New sizes available for shipment within 24 hours



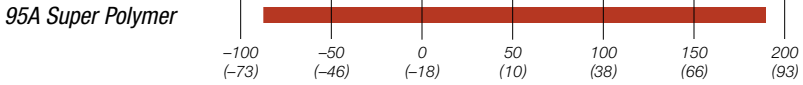
20K – Technical Data

To select a 20K seal:

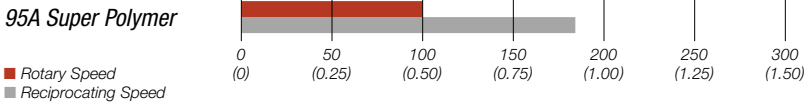
- Ensure the suitability of material using the temperature, speed and pressure charts provided.

Chesterton® 20K Duoseals are also available in these other options with anti-extrusion rings. Call for availability. See Technical Section for necessity of Anti-extrusion rings

Operating Temperature Range – °F (°C)



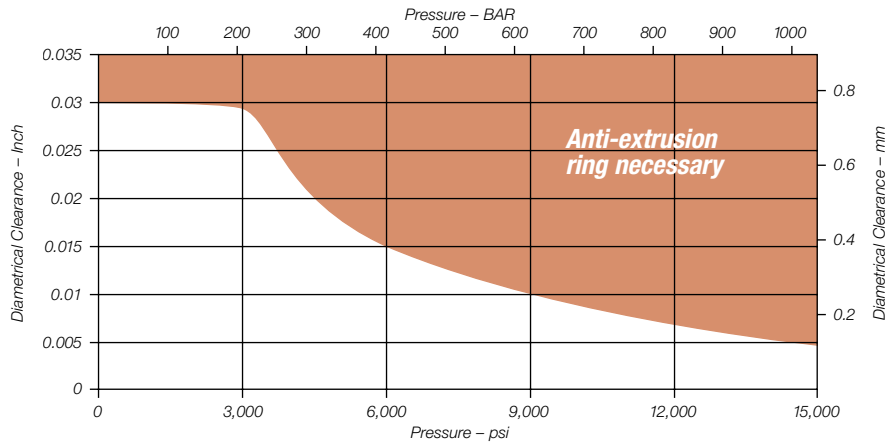
Approximate Operating Speeds – ft/min (m/sec)



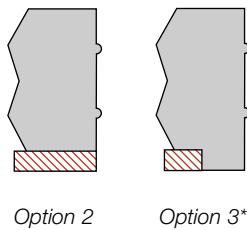
Recommended Surface Finishes – μ Inch (μ m)



Recommended Operating Pressure – psi (bar)



20K Duoseal – Rod Seal Designs



20K Duoseal – Piston Seal Designs

