The Chesterton® 8K and 27K are single acting, stacked V-ring sets with a positive rake design to provide optimum operating performance. Unlike conventional stacked sets, these designs make contact through the center to ensure even loading, longer sealing life, and with minimal gland pressure. These sets are available in split or solid designs and provide excellent performance in closed-cavity hydraulic applications.

The 8K is a compression molded stacked set that utilizes tooling to create a final product. The 27K is manufactured using a machining process which allows the flexibility to create any size based on equipment dimensions and eliminates tooling cost for new sizes. Each set incorporates a male and female adapter to align and support the sealer rings.

Additional profiles have been derived from the original 8K design to address specific needs and applications in the market. These include designs for excessive clearances and deep stuffing boxes.

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Material (designation)</th>
<th>Size Range mm (inch)</th>
<th>Temperature °C (°F)</th>
<th>Pressure bar (psi)</th>
<th>Speed m/s (ft/min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AWC700 (FKM)</td>
<td>6 to 152 1/4 to 6</td>
<td>-30 to 200 -20 to 400</td>
<td>345 (5,000)</td>
<td>1.5 (300)</td>
</tr>
<tr>
<td>AWC800 (EU)</td>
<td>6 to 1320 1/4 to 52</td>
<td>-50 to 85 -60 to 185</td>
<td>1035 (15,000)</td>
<td>0.9 (185)</td>
</tr>
<tr>
<td>AWC805 (EU)</td>
<td>6 to 1320 1/4 to 52</td>
<td>-50 to 85 -60 to 185</td>
<td>1035 (15,000)</td>
<td>0.5 (100)</td>
</tr>
<tr>
<td>AWC825 (EU)</td>
<td>6 to 1400 1/4 to 55</td>
<td>-40 to 85 -40 to 185</td>
<td>517 (7,500)</td>
<td>0.5 (100)</td>
</tr>
<tr>
<td>AWC830 (EU)</td>
<td>6 to 254 1/4 to 10</td>
<td>-35 to 75 -30 to 165</td>
<td>520 (7,500)</td>
<td>0.9 (185)</td>
</tr>
<tr>
<td>AWC860 (EU)</td>
<td>6 to 508 1/4 to 20</td>
<td>-50 to 120 -60 to 250</td>
<td>1035 (15,000)</td>
<td>1.25 (250)</td>
</tr>
</tbody>
</table>

### PRODUCT PROFILES:


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**To place an order:**

**Product profile:**

**Material:**

- Piston groove diameter (d₁): __________
- Cylinder bore diameter (D): __________
- Groove height (L₃): __________

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**Engineered Polymer Solutions**

**8K and 27K Rod and Piston Seals**

*Pressure sensitive, stacked set for hydraulic sealing*
GLOBAL SOLUTIONS, LOCAL SERVICE

Since its founding in 1884, A.W. Chesterton Company has successfully met the critical needs of its diverse customer base. Today, as always, customers count on Chesterton solutions to increase equipment reliability, optimize energy consumption, and provide local technical support and service wherever they are in the world.

Chesterton's global capabilities include:

- Servicing plants in over 100 countries
- Global manufacturing operations
- More than 500 Service Centers and Sales Offices worldwide
- Over 1200 trained local Service Specialists and Technicians

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