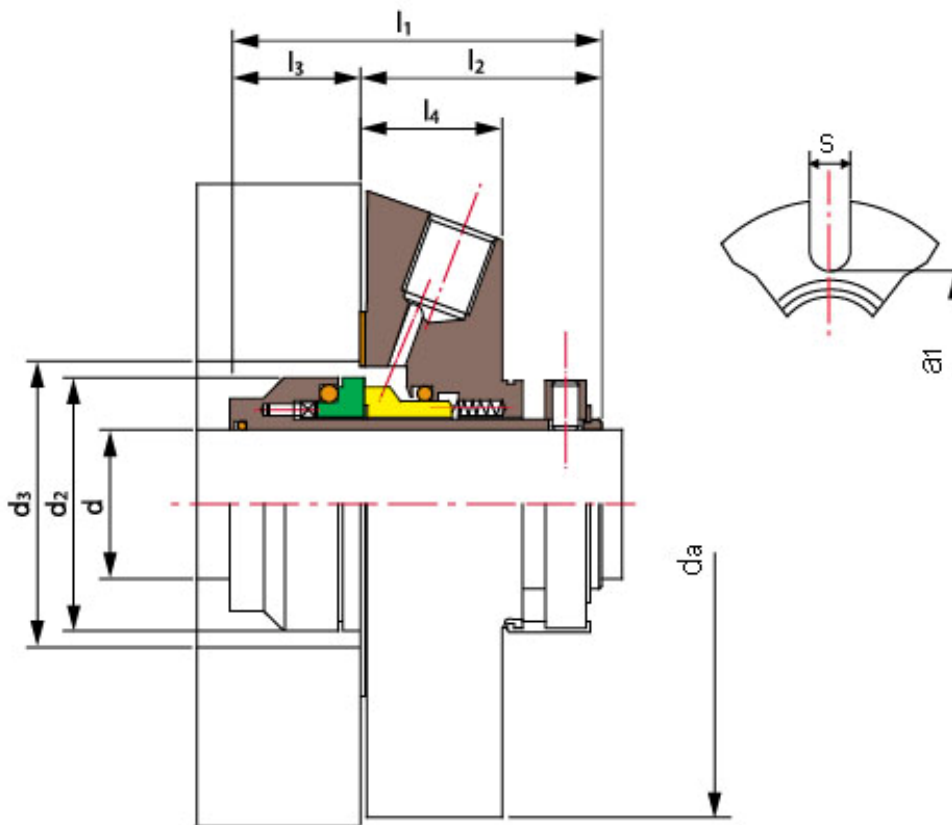


## TSSC-B03 1.000-4.000(inches) Cartridge Seal



**Shanghai Trisun Parts Manufacture Co.,Ltd.**

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Rotary Ring (SiC/TC)

Stationary Ring (SiC/TC/Carbon)

Secondary Seal (VITON/Encapsulated Ring/PTFE/NBR/EPDM)

Other Parts (SUS304/SUS316/Titanium/Hastelloy-C)

### Operating Limits

Pressure:  $\leq 2.5$ MPa

Speed:  $\leq 16$ m/s

Temperature:  $-40^{\circ}\text{C} \sim +220^{\circ}\text{C}$

| d<br>(inches) | d <sub>2</sub> | d <sub>3</sub> |       | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | l <sub>4</sub> | d <sub>a</sub> | a <sub>1</sub> | s     |
|---------------|----------------|----------------|-------|----------------|----------------|----------------|----------------|----------------|----------------|-------|
|               |                | min            | max   |                |                |                |                |                |                |       |
| 1.000         | 1.693          | 1.750          | 2.000 | 2.640          | 1.669          | 0.969          | 1.000          | 4.134          | 2.440          | 0.520 |
| 1.125         | 1.811          | 1.875          | 2.050 | 2.640          | 1.669          | 0.969          | 1.000          | 4.134          | 2.440          | 0.520 |
| 1.250         | 1.960          | 2.000          | 2.250 | 2.640          | 1.669          | 0.969          | 1.000          | 4.330          | 2.640          | 0.520 |
| 1.375         | 2.086          | 2.125          | 2.420 | 2.640          | 1.669          | 0.969          | 1.000          | 4.449          | 2.750          | 0.520 |
| 1.500         | 2.200          | 2.250          | 2.625 | 2.640          | 1.669          | 0.969          | 1.000          | 4.842          | 2.950          | 0.520 |
| 1.625         | 2.340          | 2.375          | 2.700 | 2.640          | 1.669          | 0.969          | 1.000          | 4.842          | 3.030          | 0.599 |
| 1.750         | 2.460          | 2.500          | 2.812 | 2.640          | 1.669          | 0.969          | 1.000          | 5.433          | 3.190          | 0.599 |
| 1.875         | 2.582          | 2.625          | 2.940 | 2.640          | 1.669          | 0.969          | 1.000          | 5.433          | 3.190          | 0.599 |
| 2.000         | 2.677          | 2.750          | 3.190 | 2.640          | 1.669          | 0.969          | 1.000          | 5.827          | 3.430          | 0.599 |
| 2.125         | 2.834          | 2.875          | 3.437 | 2.640          | 1.669          | 0.969          | 1.000          | 5.827          | 3.820          | 0.709 |
| 2.250         | 2.960          | 3.000          | 3.560 | 2.640          | 1.669          | 0.969          | 1.000          | 6.181          | 3.940          | 0.709 |
| 2.375         | 3.070          | 3.125          | 3.590 | 2.640          | 1.669          | 0.969          | 1.000          | 6.181          | 4.020          | 0.709 |
| 2.500         | 3.212          | 3.250          | 3.800 | 2.640          | 1.669          | 0.969          | 1.000          | 6.417          | 4.170          | 0.709 |
| 2.625         | 3.338          | 3.375          | 3.937 | 2.640          | 1.669          | 0.969          | 1.000          | 6.417          | 4.290          | 0.709 |
| 2.750         | 3.660          | 3.750          | 4.250 | 2.640          | 1.669          | 0.969          | 1.000          | 7.008          | 4.650          | 0.709 |
| 2.875         | 3.811          | 3.875          | 4.567 | 3.307          | 2.260          | 1.047          | 1.000          | 7.480          | 5.079          | 0.709 |
| 3.000         | 3.937          | 4.000          | 4.646 | 3.307          | 2.260          | 1.047          | 1.102          | 7.480          | 5.079          | 0.709 |
| 3.125         | 4.063          | 4.125          | 4.764 | 3.307          | 2.260          | 1.047          | 1.102          | 7.677          | 5.315          | 0.709 |
| 3.250         | 4.189          | 4.250          | 4.882 | 3.307          | 2.260          | 1.047          | 1.102          | 7.677          | 5.315          | 0.709 |
| 3.375         | 4.311          | 4.374          | 5.039 | 3.307          | 2.260          | 1.047          | 1.102          | 7.795          | 5.472          | 0.866 |
| 3.500         | 4.437          | 4.500          | 5.157 | 3.307          | 2.260          | 1.047          | 1.102          | 7.795          | 5.591          | 0.866 |
| 3.625         | 4.563          | 4.625          | 5.315 | 3.307          | 2.260          | 1.047          | 1.102          | 8.071          | 5.709          | 0.866 |
| 3.750         | 4.689          | 4.750          | 4.433 | 3.307          | 2.260          | 1.047          | 1.102          | 8.189          | 5.827          | 0.866 |
| 4.000         | 4.937          | 5.000          | 5.669 | 3.307          | 2.260          | 1.047          | 1.102          | 8.583          | 6.063          | 0.866 |

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