



Part Number	<b>CF 6009 S10</b>
Series	CF 60
Drain Grooves	No

**Dimensions**

Bore Diameter	ID [mm]	45
Outer Diameter	OD [mm]	75
Width	W [mm]	6
Minor Gap Diameter	e <sub>1</sub> [mm]	55
Major Gap Diameter	e <sub>2</sub> [mm]	65
Axial Clearance <sup>2</sup>	S <sub>ax</sub> [mm]	1

**Material<sup>1</sup>**

Inner Ring	Steel
Outer Ring	Steel

**ID & OD Tolerances**

ID Tolerance	-0 $\mu$ to +12 $\mu$
OD Tolerance	-14 $\mu$ to +0 $\mu$
Shaft & Housing Surface	Rz $\leq$ 16 $\mu$ m ; Ra $\leq$ 3.2 $\mu$ m

**Misc. Data**

Weight	[kg]	0.134
Max Speed <sup>3</sup>	[rpm]	N/A
Temperature Range	[°C]	-40 – 170

**Notes:**

1. Other materials available on request.
  2. Axial Clearance (S<sub>ax</sub>) = The total axial movement of the seal's inner ring in relation to the outer ring in the axial direction.
  3. The stated speed value is contingent on utilizing specified tolerances, correct installation techniques, and an operating temperature below the specified maximum. CF60/619 Seals are installed between the spindle bearing and the shaft nut. This prevents any axial mobility and removes the need for a speed limit.
  4. Installation example with preload transferred through seal.
  5. Installation example with gap between seal and bearing.
  6. Mounting aid suggested to ensure proper axial alignment after installation.
- \* Contact GMN USA engineers for any technical assistance.

