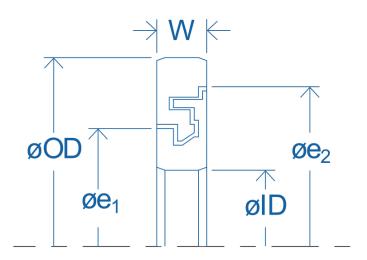


# Data Sheet Non-Contact Seals





Part Number	CF 6004 S10
Series	CF 60
Drain Grooves	No

## Material<sup>1</sup>

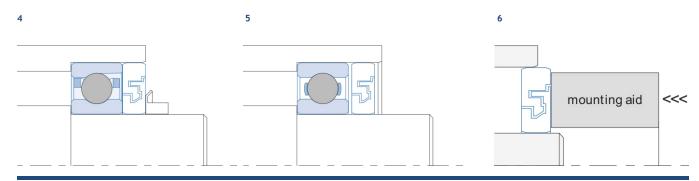
Inner Ring	Steel
Outer Ring	Steel

# **ID & OD Tolerances**

ID Tolerance	-0μ to +10μ
OD Tolerance	-12µ to +0µ
Shaft & Housing Surface	Rz ≤ 16µm ; Ra ≤ 3.2µm

#### Notes:

- 1. Other materials available on request.
- 2. Axial Clearance  $(S_{ax})$  = 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.





## **Dimensions**

Bore Diameter	ID [mm]	20
Outer Diameter	OD [mm]	42
Width	W [mm]	6
Minor Gap Diameter	e <sub>1</sub> [mm]	28
Major Gap Diameter	e <sub>2</sub> [mm]	38
Axial Clearance <sup>2</sup>	S <sub>ax</sub> [mm]	1

# Misc. Data

Weight	[kg]	0.051
Max Speed <sup>3</sup>	[rpm]	N/A
Temperature Range	[°C]	-40 – 170