

Invented for life



**BOSCH**

# Bosch Gas foil bearing Product catalogue

February 2026



# Bosch Gas foil bearing

High-performance gas foil bearings in series production



**Bosch 15-41mm portfolio** applicable for a wide range of applications such as fuel-cell, HVAC&R, turbo blowers, expanders and other high speed machinery

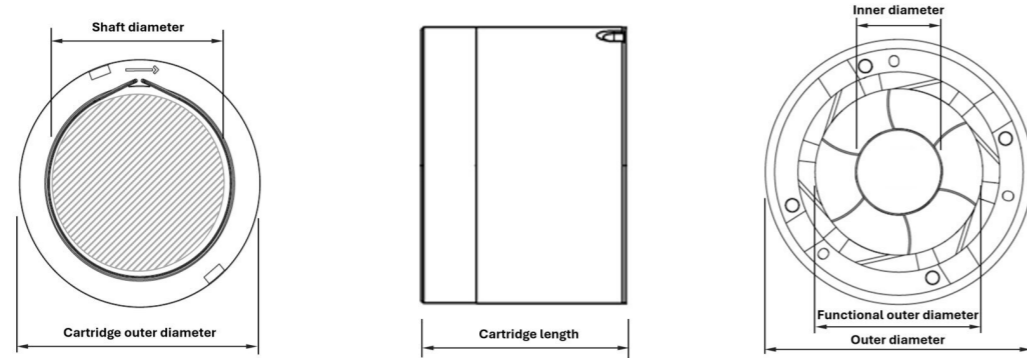


**High performance coating** used for wear resistance & start-stop

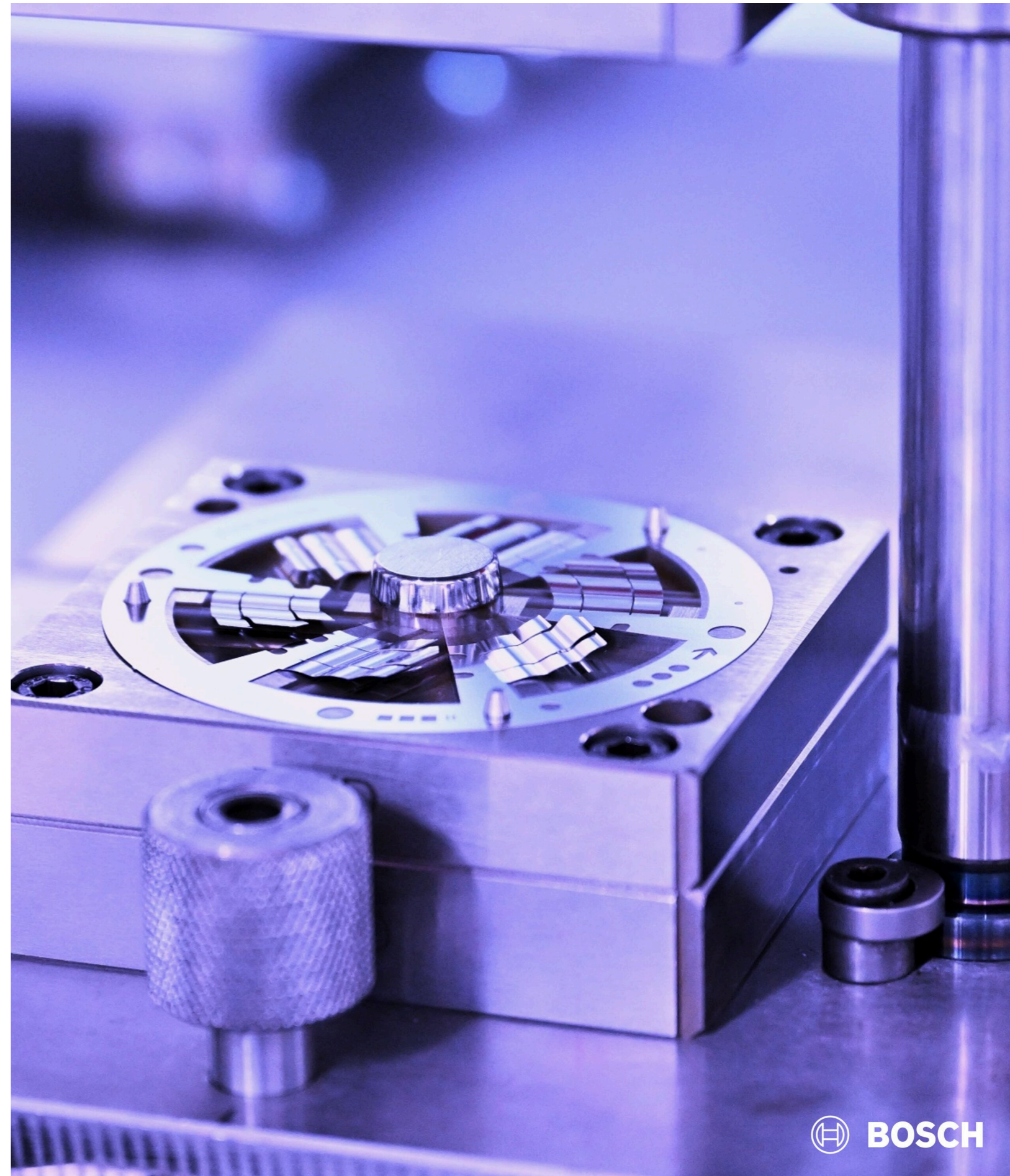


**Designed for series production**

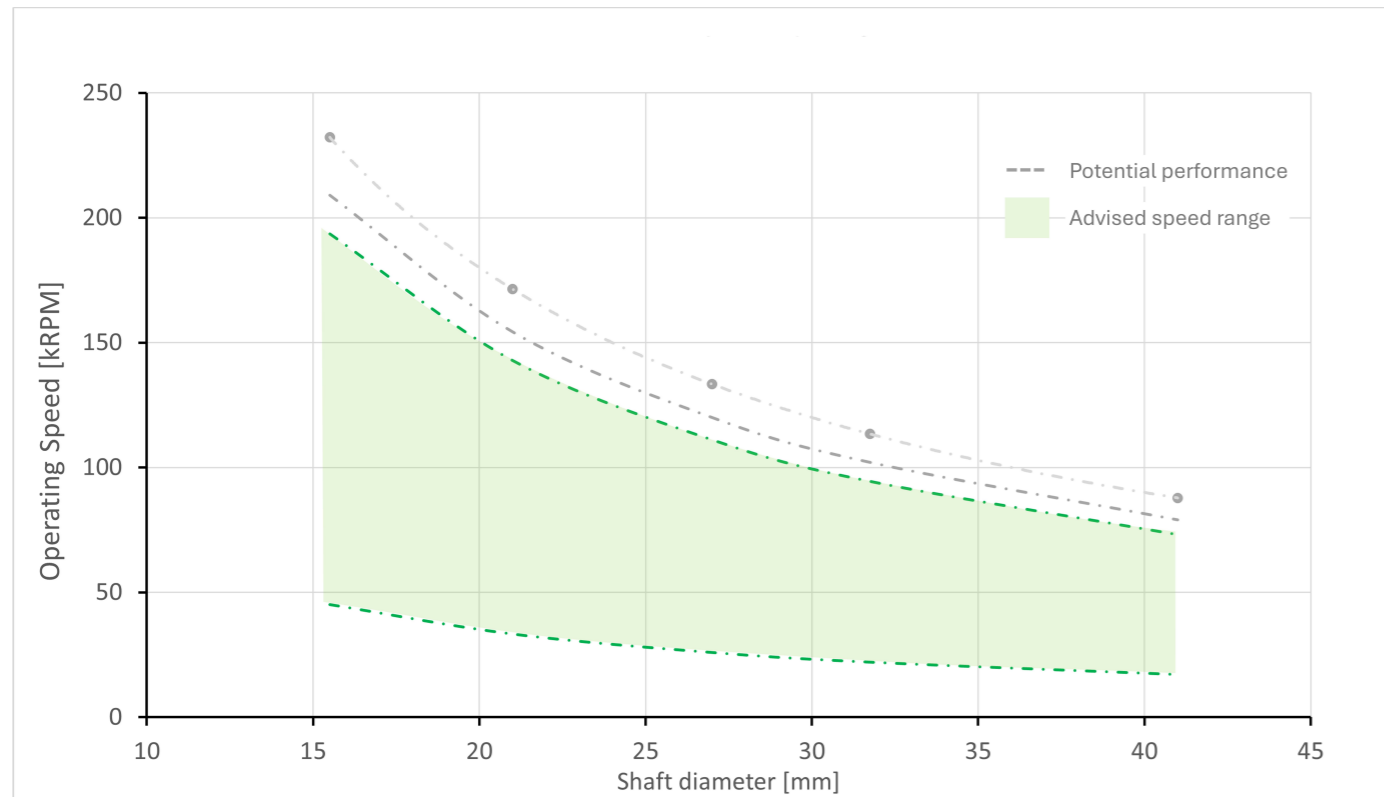
### Gas foil bearing dimensions



Journal bearing sizes	15.5	21	27	32	41
Shaft diameter (mm)	15.50	21.00	27.00	31.75	41.00
Cartridge outer diameter (mm)	21.50	27.97	36.00	38.50	53.00
Cartridge length (mm)	15.45	22.10	27.10	31.75	48.50
Thrust bearing sizes	26	41	54	69	77
Functional outer diameter (mm)	26.00	41.00	54.00	69.09	76.80
Outer diameter (mm)	38.80	68.00	80.00	102.00	114.30
Inner diameter (mm)	17.00	24.00	28.00	36.45	45.00



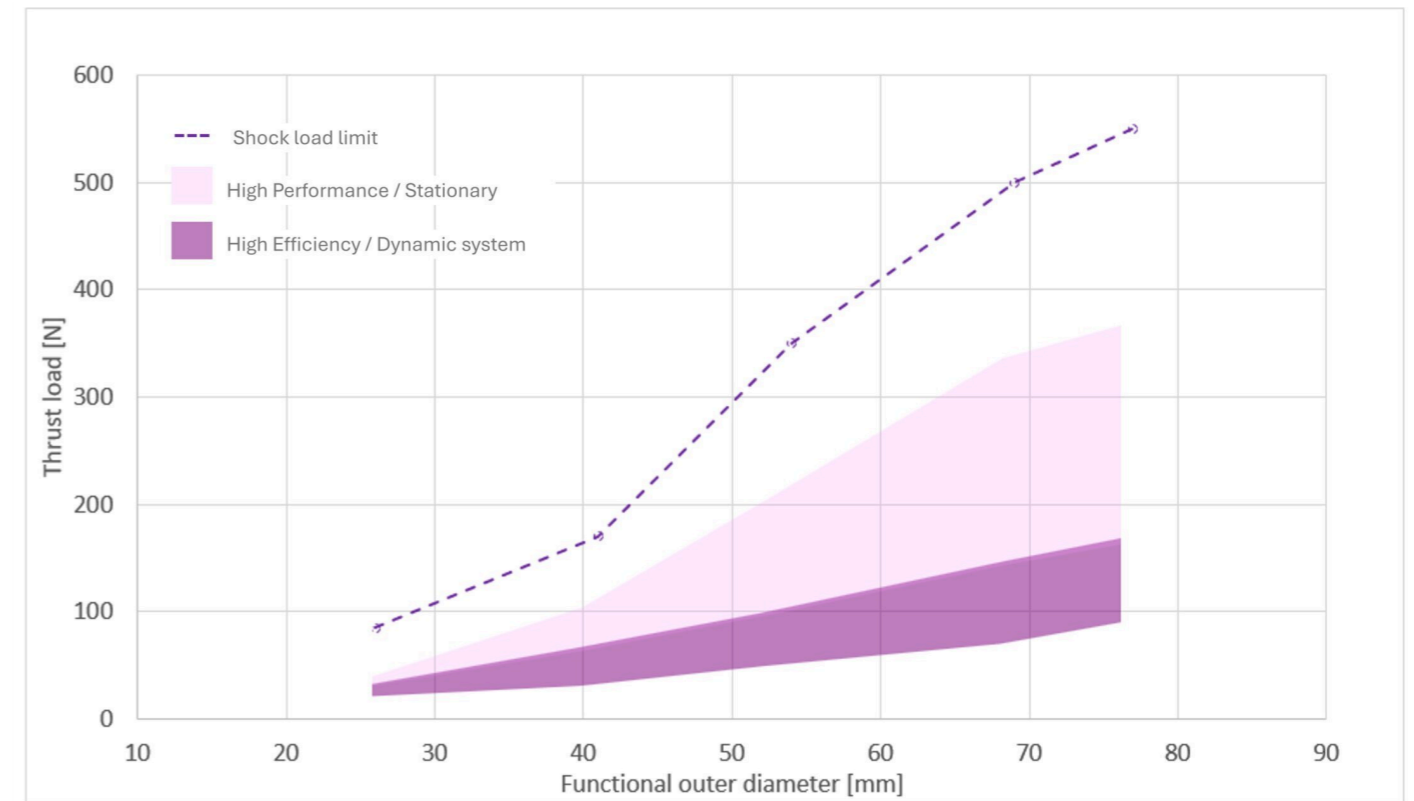
### Rotational speed performance



- Note:
1. Performance range is based on air and will differ with other gasses.
  2. System integration will influence performance specifications.

Bosch Gas foil bearings cover a wide range of operational speeds and applications.

### Thrust bearing load-ability



Note: Graph values originate from different speeds and based on air applications.

Bosch bearing design is optimized for a predictable, stable and robust performance.



# Quality assurance

With our expertise in complex, precise thin metal components and long experience as an automotive mass-manufacturer, we deliver consistently unrivaled quality performance.



Scan or click here to go to our product website: [bosch.com/gas-foil-bearing](https://bosch.com/gas-foil-bearing)

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