

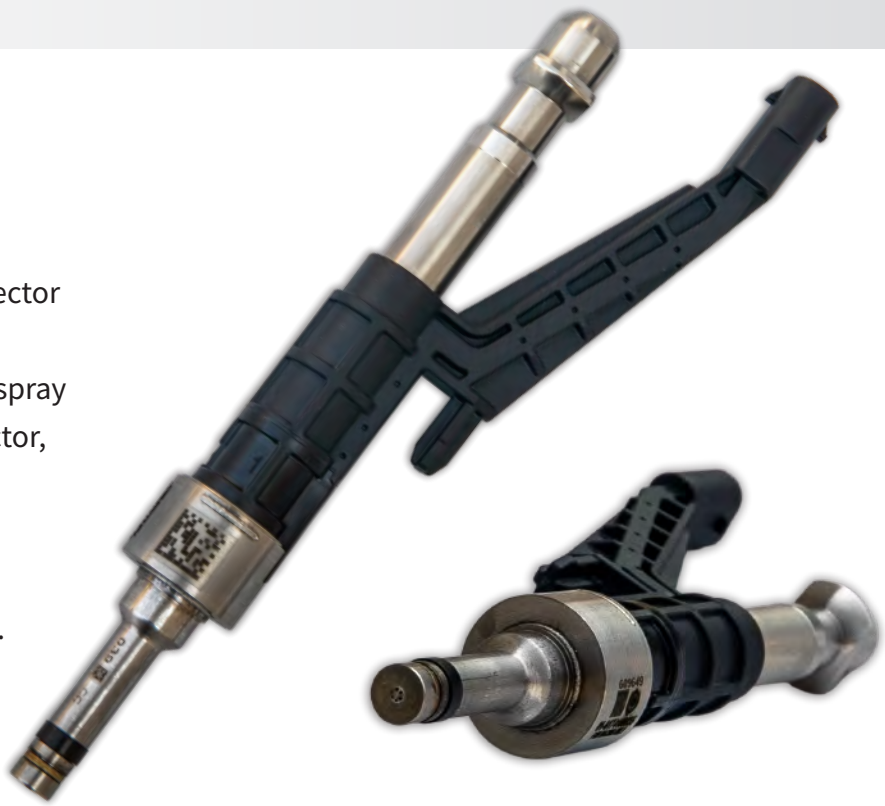
BMW/TOYOTA B58 GEN 1 HIGH-PERFORMANCE DIRECT INJECTION FUEL INJECTOR

Part # 609649

More Fuel. Direct Drop-In.

OE Spray Pattern.

Stanadyne's BMW B58 Gen 1 direct injection injector delivers the additional fuel flow required for high-performance while preserving the factory spray pattern and targeting. Not a modified OEM injector, each unit is manufactured using precision laser-drilled nozzle technology for significantly increased flow capacity while maintaining the combustion characteristics engineered by BMW.



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TECHNICAL SPECIFICATIONS

STANADYNE PART # 609649

Injector Tip Diameter	7.45 mm (OE)
Number of Nozzle Holes	6 (OE)
Nozzle Technology	Precision laser drilled
Spray Pattern	Same as OE
Rated Operating Pressure	250 bar
Maximum Fuel Pressure	340 bar
Flow Increase	+70% vs OE (100 bar, 5 ms)
Installation	Direct drop-in
Calibration	Required *(available through Dorch Engineering)*

Key Features

- All new injector design; not a modified OEM injector
- Maintains OEM spray targeting
- 70% greater fuel flow than OEM
- Finite Element Analysis (FEA) validated design
- OE-quality idle and drivability after proper calibration
- Direct replacement for OEM fuel rail and cylinder head
- Compatible with gasoline and E85 fuel

Vehicle Fitment

- 2016-2019 BMW M140i (F20/F21)
- 2017-2021 BMW M240i / M240i xDrive (F22)
- 2016-2018 BMW 340i / 340i xDrive (F30)
- 2017-2019 BMW 440i / 440i xDrive (F32/F33/F36)
- 2017-2019 BMW 540i / 540i xDrive (G30)
- 2016-2019 BMW 740i / 740i xDrive (G11/G12)
- 2018-2019 BMW X3 M40i (G01)
- 2019-2019 BMW X4 M40i (G02)
- 2019 BMW Z4 M40i (G29)
- 2020 Toyota Supra (A90)

Stanadyne®

Fueling Innovation

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