

BMW/TOYOTA B58 GEN 2 HIGH-PERFORMANCE DIRECT INJECTION FUEL INJECTOR

Part # 609316

More Fuel. Direct Drop-In.

OE Spray Pattern.

Stanadyne's BMW B58 Gen 2 (B58TU) 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 # 609316

Injector Tip Diameter	6.00 mm (OE)
Number of Nozzle Holes	6 (OE)
Nozzle Technology	Precision laser drilled
Spray Pattern	Same as OE
Rated Operating Pressure	350 bar
Maximum Fuel Pressure	430 bar
Flow Increase	+60% 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 pattern and targeting
- Increased fuel flow compared to OEM
- Designed for 350-bar fuel injection systems
- Finite Element Analysis (FEA) validated design
- OE-quality idle and drivability after proper calibration
- Direct replacement for OEM fuel rail and cylinder head

Vehicle Fitment

- 2020-2026 BMW 540i (G30/G60)
- 2020-2026 BMW 740i (G11/G12/G70/G71)
- 2020-2026 BMW 840i (G14/G15/G16)
- 2019-2026 BMW M240i (F22/F33/G42)
- 2019-2026 BMW M340i (G20/G21)
- 2019-2026 BMW M440i (G22/G23/G26)
- 2019-2026 BMW X3, X4, X5, X6, X7 (G01/G45/G02/G05/G65/G06/G07)
- 2019-2026 BMW Z4 (G29)
- 2021-2026 Toyota Supra (A90)

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