

# S58 Engine

## 3. Engine Identification

### 3.1. Engine designation and engine identification

#### 3.1.1. Engine designation

In the technical documentation, the engine designation is used to ensure unambiguous identification of the engine.

The technical documentation also contains the short form of the engine designation S58, which only indicates the engine type.

Position	Meaning	Index/Explanation
1	Engine developer	M, N = BMW Group P = BMW M Sport S = BMW M GmbH W = External developer
2	Engine type	1 = R4 (e.g. N12) 4 = R4 (e.g. N43) 5 = R6 (e.g. N53) 6 = V8 (e.g. N63) 7 = V12 (e.g. N73) 8 = V10 (e.g. S85)
3	Change to the basic engine concept	0 = Basic design 1 to 9 = Modifications, e.g. to combustion process
4	Working method or fuel type and possibly installation position	B = Petrol, longitudinal installation D = Diesel, longitudinal installation H = Hydrogen
5	Displacement in liters	1 = 1 liter +
6	Displacement in 1/10 liter	8 = 0.8 liters = 1.8 liters
7	Performance class	K= Lowest U= Lower M = Medium O = Upper (standard) T = Top S= Super
8	Redesign relevant to approval	0 = New design 1-9 = Revision

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### Breakdown of the S58 engine designation

Index	Explanation
<b>S</b>	BMW M GmbH development
<b>5</b>	6-cylinder in-line engine
<b>8</b>	Petrol engine with Turbo-Valvetronic direct injection (TVDI)
<b>B</b>	Petrol engine, longitudinal installation
<b>30</b>	3.0 liters displacement
<b>T</b>	TOP performance class
<b>0</b>	New development