

TECHNICAL REPORT

Cylinder head gaskets for
engine type N46B20B of BMW
parts numbers: 10137400 &
10189200

PURPOSE

To point out the main **differences between the above named gaskets of BMW**, in order to help AJUSA customers to choose the right gasket depending on the model and the manufacturing year of the vehicle.

DESCRIPTION

For petrol engines N46B20B of BMW we find different options depending on the manufacturing year. We find the main difference in the cylinder head gasket, part in which this tip is focused.

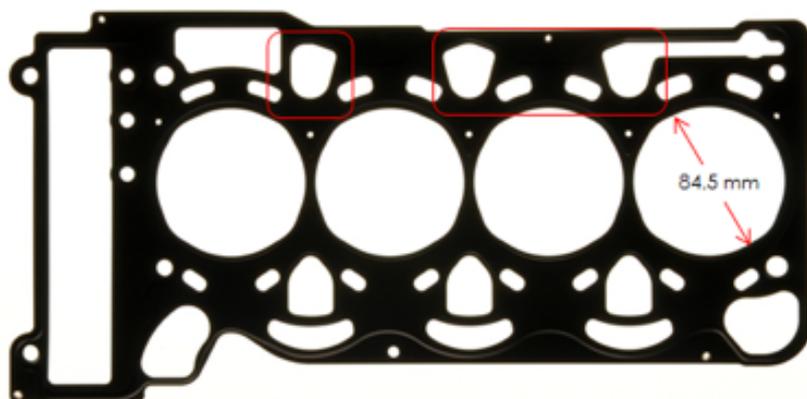
Two different cylinder head gaskets can be mounted on the aforementioned engine, depending on the car model and its manufacturing year. References involved are **10137400/10 and 10189200/10**.

These gaskets are very similar in design and shape, but some of the oil/coolant holes are different. There are also **differences regarding the thickness and the cylinder diameter**.

For this reason, it is very important to choose the right gasket depending on the model and manufacturing year of the vehicle. To do so, we have to follow the table below:

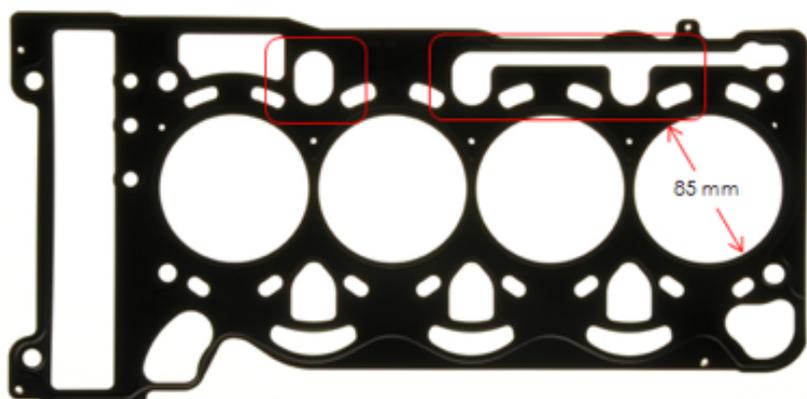
ENGINE TYPE	AJUSA PART NUMBER	MODEL	POWER CV	FROM	TO
N4620B20	10137400	120i 16V	150	01-2003	01-2007
		X3i 16V	150	01-2003	01-2007
		118i 16V	129	01-2004	01-2007
		Z4i 16V	150	01-2004	01-2007
		320i 16V	150	01-2004	01-2007
		318i 16V	129	01-2004	03-2007
	10189200	520i 16V	150	01-2006	---
		120in Cabrio 16V	150	01-2006	---
		320i 16V	150	01-2006	06-2007
		118i 16V	129	01-2007	---
		120i 16V	150	01-2007	---
		318i 16V	129	01-2007	---
		320i 16V	150	01-2007	---
		118i 16V	129	01-2008	---

10137400/10



AJUSA Part Number	Thickness (mm)
10137400	0,45
10137410	0,75

10189200/10



AJUSA Part Number	Thickness (mm)
10189200	0,60
10189210	0,90