

TECHNICAL REPORT

Thickness identification in
100709X0 cylinder head gasket
according to numeration

PURPOSE

Inform our customers about the **correct thickness** that must be selected according to an **engraved number** on the surface of the cylinder head gasket and his respective Ajusa method.

DESCRIPTION

10070900/10/20/30 cylinder head gaskets part numbers assemble in 2.7 (TD27) and 3.0 (BD30) Nissan engines which fit in different models such as Atleon, Terrano, Trade or Cabstar.

It is well known by mechanics and engine rebuilders that gasket manufacturers usually offer **different thicknesses of the same cylinder head gasket** from diesel engines in order to keep the compression constants.

In this part number, notches identification is not used in the original gasket, and it is swapped by a **numeric method**. This number has an equivalent and standard notch method in Ajusa.

The original cylinder head gasket has an engraved number located on the top side, more concretely on the left bottom side.

This number is translated to notches located in the same place for Ajusa gasket.

Following the next steps could help you to find out the right cylinder head gasket thickness:

- Firstly, **cylinder head gasket must be cleaned** in order to avoid any stain or oil remains that could hide the number, due to this number is in the outer area where there are accumulated traces of oil and dirt.
- Then, you may search for the number showed in the image below, **on the left bottom side**.



In Ajusa cylinder head gasket, you may search for the notches **on the left bottom side** too.



These two methods will indicate you the thickness of the gasket in order **to select the correct Ajusa gasket.**

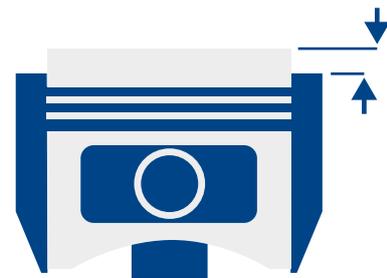
PART NUMBER ACCORDING TO THICKNESS						
AJUSA P/N	AJUSA NOTCHES	OE P/N	OE NUMERATION		THICKNESS	
10070900	1 	11044 - 54T05	2		1.20 mm	
10070910	2 	11044 - 54T06	3		1.25 mm	
10070920	3 	11044 - 54T07 / 11044 - 87G03	4		1.30 mm	
10070930	0 	11044 - 54T04	1		1.15 mm	

Piston protusion

In the case that thickness is impossible to read, piston height over the engine block plain must be measured in the way it was indicated in detail at our **TIP 26**: “Thickness of head gasket according to piston protusion”.

<https://back.ajusa.es//archivos/ajusatips/overheight-piston-cylinder-head-gasket.pdf>

According to the measurements obtained, we might select the right cylinder head gasket from the next index.



THICKNESS ACCORDIGN TO PISTON PROTUSION			
THICKNESS	LOWER MEASUREMENT (mm)	UPPER MEASUREMENT (mm)	AJUSA P/N
1.15 mm	-	0.37	10070930
1.20 mm	0.38	0.43	10070900
1.25 mm	0.44	0.49	10070910
1.30 mm	0.50	-	10070920