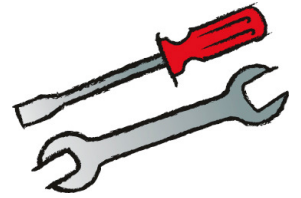




Das Original

TSI 06/11



## Tips from the gasket expert

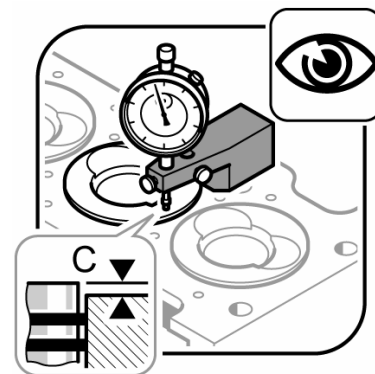
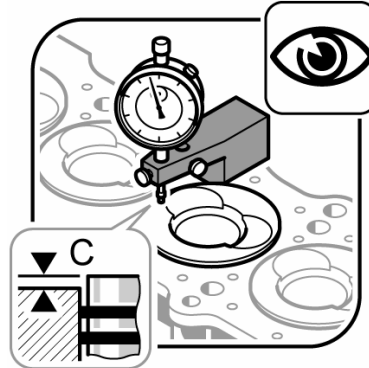
# Selecting the right cylinder head gasket for diesel engines

There is generally a large variety of thicknesses of cylinder head gaskets for diesel engines. In order to identify the correct cylinder head gasket, the piston protrusion must be measured.

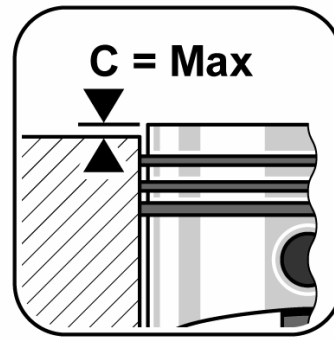
The measurement described below must be performed with extreme care.

The piston protrusion must be measured exactly to the manufacturer's specifications.

- The measurement points must be located above the piston pin axis in order to counteract the effect of piston tilt clearance.
- Set the indicator on the cleaned cylinder block gasket surface and zero out with some pretension.
- Set the indicator on the cleaned piston and determine the highest point by turning the crankshaft.
- Repeat the procedure for measurement point 2.



- C is the distance between the piston surface at the top dead center and the joint face of the cylinder crankcase.



The measurement must be performed for all pistons. The piston with the highest projection is used to determine the matching cylinder head gasket.

Select the cylinder head gasket with the correct thickness from the sales documentation.

The thickness of the cylinder head gasket can be verified by the number of punched notches or holes.

### Identification using holes



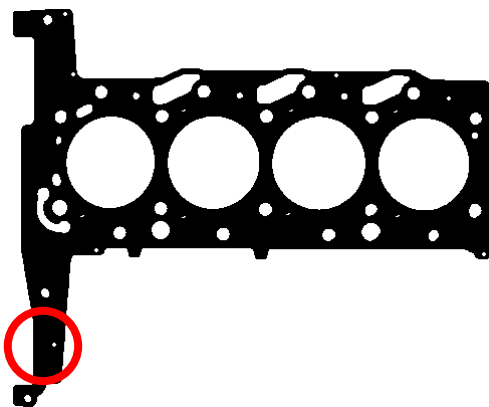
The screenshot shows the Elring website interface. On the left, there is a navigation menu with 'Das Original', 'Home', and 'Star' buttons. Below this is a table with vehicle and engine information:

Country	Germany
Section	Vehicle Selection
Vehicle	FORD MONDEO III (B5Y) 2.0 16V DI / TDDi / TDCi
Engine Codes	D5BA SDBA
Assembly Group	Engine

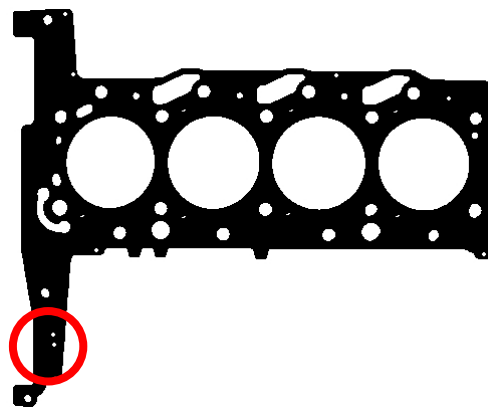
Below the table is a 'Selection History' section with a search bar containing 'FORD MONDEO III (B5Y) 2.0 1...'. At the bottom left is a 'Shopping Cart' section with columns for 'Quantity', 'Number', and 'Article'.

The main content area is titled 'Article Overview' and shows two gasket options:

- Article 265.370:** Gasket, cylinder head. Thickness/Strength: 1,1 mm, From Piston Crown Protrusion: 0,43 mm To Piston Crown Protrusion: 0,52 mm, Notches / Holes Number: 1, Ø: 87,1 mm, Gasket Design: Multilayer Steel (MLS), Only with: ZKS: 175.580.
- Article 265.380:** Gasket, cylinder head. Supersedes: 122.162. Thickness/Strength: 1,15 mm, From Piston Crown Protrusion: 0,521 mm To Piston Crown Protrusion: 0,57 mm, Notches / Holes Number: 2, Ø: 87,1 mm, Gasket Design: Multilayer Steel (MLS), Only with: ZKS: 175.580.



1 ⊗



2 ⊗

# Identification using notches



Das Original

Home Star

Country: Germany  
 Section: Vehicle Selection  
 Vehicle: CITRO BERLINGO (MF)  
 1.8 D  
 Assembly Group: Engine

**Selection History**

CITRO BERLINGO (MF) 1.8 D

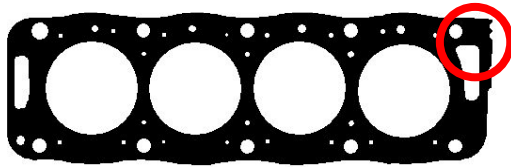
**Shopping Cart**

Quantity | Number | Article

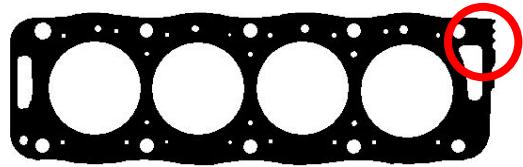
Vehicles | Engines | Universal | Article Direct Search | Article-Vehicle Report | Article comparison | Shopping Cart | Checklist | Settings

Back Article Overview Context He

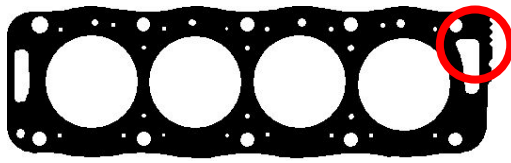
D	058.670	<b>Gasket, cylinder head</b> Installation Thickness: 1,4 mm, Notches / Holes Number: 2, Ø: 82 mm, From Piston Crown Protrusion: 0,67 mm To Piston Crown Protrusion: 0,71 mm, Only with: ZKS: 152.550
D	058.700	<b>Gasket, cylinder head</b> Installation Thickness: 1,45 mm, Notches / Holes Number: 3, From Piston Crown Protrusion: 0,71 mm To Piston Crown Protrusion: 0,75 mm, Ø: 82 mm, Only with: ZKS: 152.550
D	058.840	<b>Gasket, cylinder head</b> Installation Thickness: 1,5 mm, Notches / Holes Number: 4, From Piston Crown Protrusion: 0,75 mm To Piston Crown Protrusion: 0,79 mm, Ø: 82 mm, Only with: ZKS: 152.550
D	058.980	<b>Gasket, cylinder head</b> Installation Thickness: 1,55 mm, Notches / Holes Number: 5, From Piston Crown Protrusion: 0,79 mm To Piston Crown Protrusion: 0,83 mm, Ø: 82 mm, Only with: ZKS: 152.550



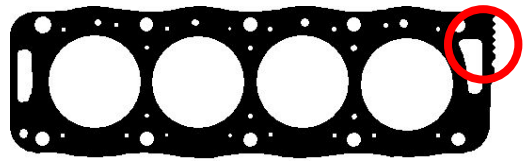
2 ▽



3 ▽



4 ▽



5 ▽