


## Gasket, cylinder-head for Engine Repair 195.470 for MAN D20 | 466.600 for MAN D26

 1,5 mm

After a certain period of time, or as a result of damage, the engine may become severely impaired so that repairs are necessary. Extensive technical knowledge is necessary in order to restore the complex functionality of the engine as intended by the manufacturer. For example, the condition of the sealing surfaces of the engine block and cylinder-head has to be carefully checked before carrying out each step. In many cases they can only be restored to optimum condition through precise, mechanical working of the sealing surfaces. This process must be carried out by a specialized firm with the appropriate machinery and expertise.

The constructional design of the valve control with spur gears in the cylinder-head and the engine block (see images) make it necessary for the material removed as a result of the mechanical working of the sealing surfaces to be compensated by means of a correspondingly thicker cylinder-head gasket.

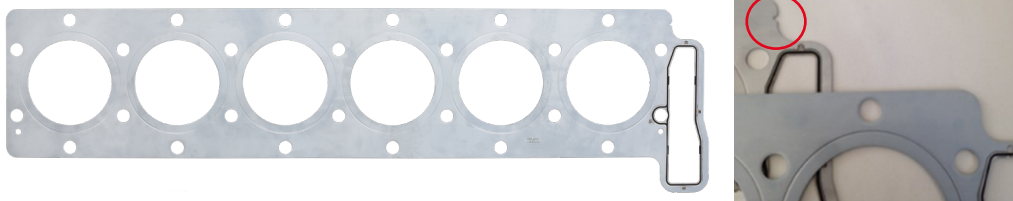


Cylinder-head sealing surface with spur gear



Engine block sealing surfaces with spur gear

The standard cylinder-head gaskets (thickness of 1.2 mm; Elring 021.262 or 357.831) are not intended for this purpose. The tooth flanks of the spur gears would otherwise interlock too closely with one another, which can rapidly lead to wear and damage. Elring has developed a 0.3 mm thicker cylinder-head gasket for carrying out long-term, environmentally friendly repairs on the engine. It compensates the removal of the material.



As can be seen in the image, in contrast to the standard gasket it has an additional notch at the front that is also clearly visible when it is installed.

Important: It is extremely important to check the engine components that are affected by this modification (e.g. injection nozzle as a result of an excessive protrusion). We should like to expressly state that we assume no liability for the correct technical execution of the engine repair. This is the responsibility of the firm carrying out the repair work. Always observe installation and manufacturer information.

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**Das Original**