



### Description

- For timing chain replacement training
- Auxiliary drive belt replacement training
- 4 valves per cylinder
- Water cooling
- 12V alternator

### Technical specifications and functions

#### Visible components of the engine cutaway model:

- Engine block
- Engine head
- Crankshaft
- Connecting rod
- DOHC dual overhead camshaft (camshafts, valves, water pump and etc.)
- Pistons with rings
- Timing chain with camshaft sprocket and tensioners
- Alternator belt with tensioner
- Air conditioning compressor
- High-pressure CR pump

#### The cutaway engine model is designed to demonstrate:

- Piston, rings, combustion chamber, intake and exhaust ports, DOHC components, injector and glow plug holes in a combustion chamber;
- Operation of the DOHC mechanism by turning the crankshaft\*;

**\*Training cut-away engine model is not suitable for intensive rotation. All rotating parts must be oiled before the rotation.**

#### Timing chain and alternator belt replacement:

The educational cutaway engine model contains all elements of the original car: timing chain, tensioners, alternator belt, crankshaft sprocket and etc. Using instructions and recommendations it is possible to demonstrate belt replacement procedures. Torque moments of the elements can be performed by using special tools. Equipment for technical and vocational Tesca education and training.

Note: Specifications are subject to change.

**Other**

- Minimal space for training and storage
- Minimal weight in order to avoid additional transportation or mounting stands. Demonstrations can be performed using a workbench or tool trolley
- Cross-section of the training engine is protected with safety plastic protection
- The training engine model is equipped with fasteners
- Dimensions (height x length x width ) 600 x 500 x 300 mm
- Weight (net) approx.: 75 Kg

Tesca training equipment is a great tool for professional teachers and technicians that helps explain to students of technical subjects how processes in Diesel DOHC Common Rail engine ½ cutaway trainer AT0188 Tesca operate and its technology.

Note: Specifications are subject to change.