

# Bohman DEC-TESTER

## Diesel Engine Compression Tester



Designed as the simple, efficient and inexpensive solution for diesel engine testing. DEC-TESTER is the answer to the demand for a reliable tool when troubleshooting diesel engines.

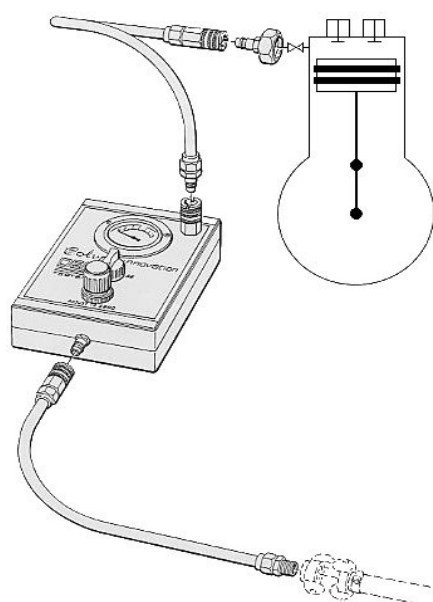
### General information

DEC-TESTER easily detects piston-rings failures, excessive liner wear, leaking valves and other operational problems related to the proper function of the

cylinder. DEC-TESTER can be used for continuous follow-up of cylinder conditions as well as for troubleshooting.

### Working principle

Air is filled into the cylinder and an indicator on DEC-TESTER will immediately show the condition of the cylinder. The improvement of this method compared with similar methods is that the air supply into the cylinder is controlled, with regard to pressure



as well as flow. DEC-TESTER is specifically designed for each cylinder diameter and is constructed for use on both main and auxiliary engines on same ship. By eliminating human errors, DEC-TESTER is very suitable for trend control and the measuring results can be used together with the ship's planned maintenance system.

### Operation instructions

1. Crank the piston to approximately the top of the compression stroke (TDC).
2. Connect the DEC-TESTER to air supply of 6-8 bar (standard working air).
3. Adjust the DEC-TESTER to 0 on the scale by using the adjustment knob at the front.
4. Select ME (Main Engine) or AE (Auxiliary Engine) by turning the selector knob.
5. Connect the DEC-TESTER to the indicator valve of the cylinder to be tested.
6. The DEC-TESTER will show the condition of the cylinder on a scale between 0-10.

### Fast analyze

- 1-3 Very good
- 4-5 Good
- 6- Investigate why!

### TECHNICAL SPECIFICATIONS

<b>Cylinder size range</b>	Bore diameter Auxiliary from 160 mm to main engine 460 mm
<b>Air pressure</b>	6-8 bar (standard working air).
<b>Tube length</b>	0,4 meters X2
<b>Weight</b>	3 kg
<b>Dimensions</b>	Instrument 240 x 160 x 60 mm (LxWxH)
<b>Suitable carrying case</b>	Case 320 x 120 x 285 mm

Prisma Teknik AB has long experience of developing and manufacturing unique high quality products with advanced and reliable technology. Our three product areas are acoustic pedestrian signals, deflection indicators and push buttons.

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