



INTRODUCTION

Tesca's new Nozzle Tester, designed & manufactured in India with German standards and quality
Designed for Bs2, Bs3 & Bs4 nozzles

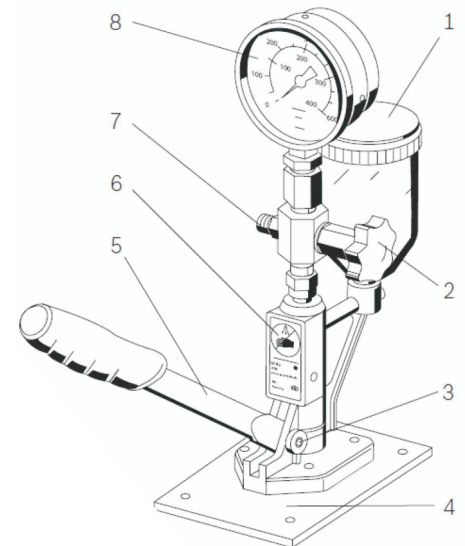
Can test up to 400 bar pressure with a least count of 2 bar for higher accuracy & precision

29653 has been designed for testing injector with over 200 bar opening pressure

- * 29653 avoids vibration and shudder which damages the gauge and generates error with a rigid base plate to add to stability
- * Longer and sturdier lever provided for strokes to develop higher pressure in one stroke while also making it user friendly
- * Nozzle back leak can be better assessed with 29653

FEATURES & APPLICATION

1. Oil Tank With 5 μ Filter
2. Shut-off Valve With Valve Spindle
3. Split Pin
4. Base Plate
5. Manual Operating Lever
6. Warning Notice: "Do Not Reach Into Test Jet"
7. Pressure Outlet (Test Pressure Line Connection)
8. Pressure Gauge (0-400 Bar; LC: 2 Bar)
9. High pressure pipes for connecting the injectors shall also be provided with the unit



The base plate and plastic body provides high rigidity and stability while keeping the weight of the 29653 low. The 5 μ filter would reduce metal chips and burrs from blocking the nozzles while testing; improving the quality of testing

Salient Features

- Long effective stroke of the hand lever
- Sufficient pressure build up in one stroke
- Minimum internal leakage
- Low dead volume of the gauge

High Accuracy

- 400 bar readout
- Reduced total error (+ / - 2.4 bar) through high read-off (LC: 2 bar) and pressure gauge accuracy
- Idling vibrations of the engine can be avoided by extremely accurate analysis of the smallest possible leaks

Test

- Opening Pressure Test
- Jet Shape
- Tightness of Fitting
- Assembly Tightness
- Chatter Behavior

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in

SPECIFICATION

Testing and adjustment of injection-nozzle opening pressure
Assessment of the injection spray with regard to shape and atomization (injection-spray pattern) and repetition of the same pattern
Checking for leaks in injection nozzles, and checking the chatter properties

Technical Data:

For Nozzle Types : P Type, R Type & S Type
Pressure Gauge : 0-400 bar (L.C: 2 bar)
Filter : 5 μ
Connecting Thread : M12 X 1.5, M14 X 1.5
Weight : 12 kg

Pressure Gauge	
Description	Value
Range	0 - 400 bars
Least count	2 bars
Accuracy	0.5% of F.S

Test Oil Tank	
Description	Value
Test oil tank filling quantity	600 ml
Filter in test oil tank with precision in line with ISO 4020-2	330 000 (approx. 5)

Tightening Torque	
Description	Value
Test pressure line for 29653	15 + 10Nm
Test pressure line to nozzle holder	15 + 10Nm
Reduction fitting on nozzle holder	15 + 10Nm
Adapter to nozzle holder	15 + 10Nm

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in

