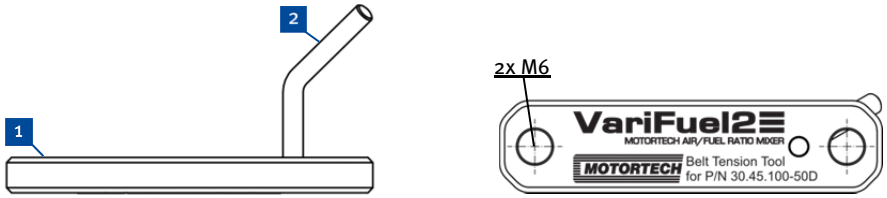
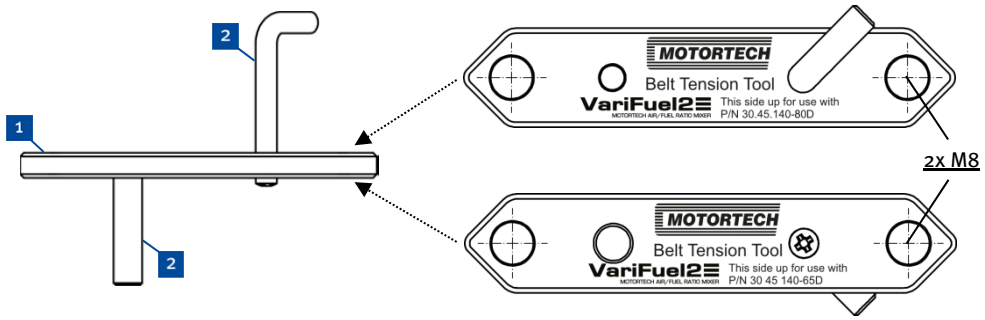
Overview Drawings

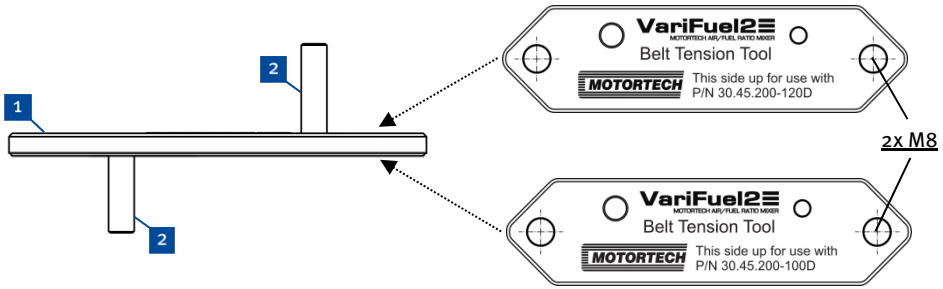
Series 100
For VariFuel2 100-50



Series 140
For VariFuel2 140-65 and 140-80



Series 200
For VariFuel2 200-100 and 200-120



1 mounting plate 2 mandrel

VARIFUEL2 ADJUSTMENT TOOL FOR BELT TENSION

Explosion Hazard!

If the system is not entirely tight and sealed, gas may escape and lead to an explosion hazard. Upon completion of all assembly works, always check the system's tightness. Also ensure that the measuring ports on the VariFuel2 are closed.

All works involving gas-carrying parts must be executed by trained personnel only.

Functional Description
The VariFuel2 adjustment tool for belt tension is used to accurately adjust the drive belt tension of a VariFuel2 air/fuel ratio mixer.

Scope of Supply
- for series 100: VariFuel2 adjustment tool for belt tension, hex key SW5, hex bolt M6x16 (2x), instructions for use, plastic box
- for series 140 and series 200: VariFuel2 adjustment tool for belt tension, hex key SW5, hex key SW6, hex bolt M8x20 (2x), instructions for use, plastic box

Application
The belt tension must be adjusted in the following situations:
- every time the drive belt is exchanged
- after every action that affects the drive belt tension

The tool must only be used by personnel with professional knowledge in the installation of air/fuel ratio mixers.

Preparations
The belt tension is usually adjusted when the VariFuel2 is not mounted on the engine.

If you adjust the belt tension of a VariFuel2 that is mounted on the engine, the following conditions must apply:
- The engine must be switched off.
- The air and fuel supply to the VariFuel2 must be closed.
- The stepper motor of the VariFuel2 must not be supplied with power.

Adjusting the Belt Tension

First, note the information in section “Preparations” on page 1. Then proceed as follows:

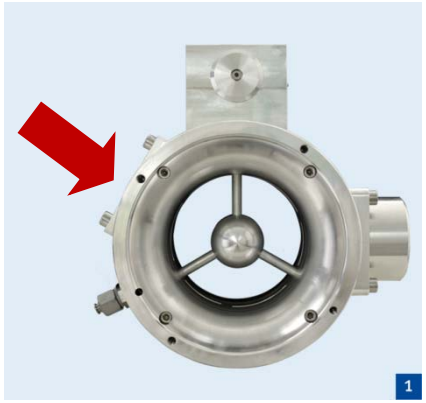
1. The belt tension is adjusted via the gas inlet which is left in the direction of the air flow.
2. Open this gas inlet by removing the cover or the flange including the rubber gasket.
3. Relax the belt by loosening the bolts of the adapter plate until you can move the adapter plate. Do not fully unscrew the bolts.
4. Mount the adjustment tool on the opened gas inlet with the imprint upside. Use the supplied hex bolts for this step. The mandrel must exert pressure on the drive belt as displayed.

NOTICE

Series 140 and 200: Note the imprint

When using the adjustment tool for series 140 and 200, the visible side of the tool must display the VariFuel2 type you use. If not, the belt tension will be adjusted incorrectly.

5. Tighten the drive belt by pulling the adapter plate up as far as possible.
6. While holding the adapter plate in this position, tighten its bolts with a torque of 10 Nm (7.4 lb-ft).
7. Remove the adjustment tool.
   - ▸ The drive belt now has the right tension.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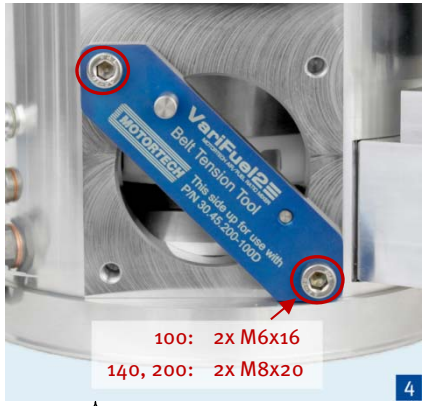

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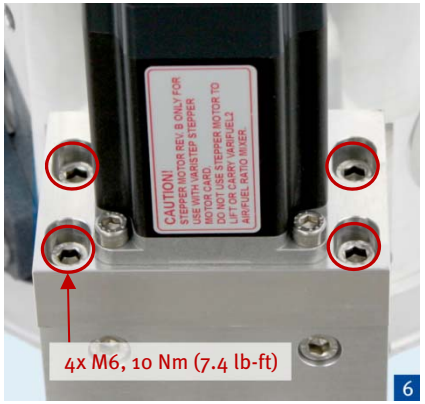
100-50:

140-65:

140-80,
200-100, 200-120:


5



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