

FG-25Z & FG-50Z PRESET TORQUE SCREWDRIVER OPERATING INSTRUCTIONS

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Adjusting the Torque Setting for a Preset Value

The FG-25z and FG-50z has no external adjustment scale and must be preset using a torque analyzer or torque sensor. If the tool has not been preset to a set torque value, then follow the directions for adjusting the torque setting before using the screwdriver.

1. Use a 3mm hexagonal key and remove the end cap from the screwdriver anti-clockwise direction.
2. Insert the 3mm hexagonal key into the adjuster and turn clockwise. Turn hex key clockwise to increase torque and counter-clockwise to decrease torque.
3. Take 10 consistent readings on the Torque Analyzer to confirm the torque setting. Do not adjust torque above or below the recommended torque ranges for the torque screwdriver or torque analyzer. Tighten end-cap back on using a 3mm hexagonal key.

Note: Do not adjust the torque setting while the screwdriver is connected to a torque analyzer or torque sensor as you can over-torque and damage the sensor.



Applying Torque

1. Tighten fastener or bolt by applying steady twists. The screwdriver should be kept in line with the axis of the bolt during tightening. When pre-set torque is reached, the screwdriver will 'slip.'
2. The screwdriver will automatically reset itself for the next application.
3. With its unique cam-over design, it's impossible to overtighten beyond the preset load.

Calibrating Torque Screwdrivers

To calibrate a torque screwdriver, either use a torque analyzer or torque sensor within the range of the torque screwdriver. For a torque screwdriver calibrate torque in "Peak" mode with a torque tester or torque sensor. Make sure to apply the torque slowly and smoothly.

1. Select a torque tester or torque sensor that covers the torque range of the screwdriver. Connect the screwdriver to the torque tester or torque sensor using the appropriate adapters as needed.
2. Apply torque clockwise slowly until screwdriver 'slips' and note reading.
3. Adjust screwdriver to required torque setting as described above.
4. Test and repeat adjustment as necessary to obtain the desired torque value.
5. Recalibrate torque screwdriver at prescribed intervals.