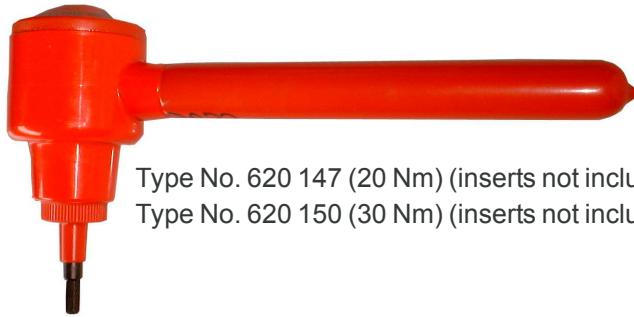




GA101GB/1208

INSTRUCTION FOR USE FOR FULLY INSULATED TORQUE WRENCH WITH INSERTS TO VDE 0682 Teil 201/8.94

1000 V (suitable for live working)



Type No. 620 147 (20 Nm) (inserts not included)
Type No. 620 150 (30 Nm) (inserts not included)



Type No. 620 148 (SW 5)
Type No. 620 149 (SW 6)

1. Components

1.1 Torque wrench

Tool with integrated ratchet, finely serrated, onesided effect. Maintenance-free mechanism in rigid synthetic casing, handle dipinsulated, weight 0.42 kgs.

1.2 Inserts

Plug-in inserts are connected to the torque wrench by plastic caps. Screw tightening by hand, no tools required. This effects safety against unintended release of the plug-in inserts.
Weight of insert: 0.02 kgs.

1.3 Plastic case

Type no. 615 040 (no picture)
Foamed inserts for storage of torque wrench and two plug-in inserts.

2. Mode of function

Release of torque is effected in clockwise direction. Release is effected after 20°. Reaching a torque of 20 Nm or 30 Nm is perceived audibly by a crack sound and felt by disengaging in snatches. In case one tightens further after release, the wrench disengages again.

A finely toothed ratchet with 18 teeth enables working even in confined space.
The torque wrench is unsuitable for unscrewing bolts.

3. Application

This torque wrench is especially suitable for live installation of connectors.

It is preferably used for cable installations.

20 Nm nominal torque is the optimum torque for ARCUS connectors with insulation piercing screws, or for instance DIN screws M 8 - 8.8 which are often used in cable connectors. Also mechanical connectors are easily installed with this wrench.

30 Nm nominal torque is usually required for mechanical connectors for larger cross sections.

In new torque wrenches the adjustment of the real release torque is slightly higher because after the first 1000 releases the torque will decrease due to subsidence. This guarantees a longterm exact nominal release moment um to the user.

We recommend to examine the release momentum annually by means of a calibrated tool.

4. Inserts

Inserts are plugged into the torque wrench by means of their driving pin SW 6 and the threaded plastic cap is tightened manually until stop. To remove the insert, unscrew the plastic cover and pull off the insert.

5. Information (also see EN50110-1:1996)

Before usage, insulated tools are to be examined for faultless condition.

Damaged parts are to be withdrawn from further usage.

Insulated tools are to be stored separately from other tools. For this purpose we recommend our plastic case (type 615 040).

6. Supply condition

Each torque wrench is supplied with a test protocol which states the release values of each toothed notch. Also this instruction for use is attached.

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