

# Solar Connector Assembly Tool Torque Limiter - 3.5 Nm



# VS

## — SCAT 3.5 Nm vs Wera Pistol Grip Torque Limiter —

Feature	SCAT 3.5 Nm Torque Limiter	Wera Pistol Grip Torque Limiter
<b>Purpose</b>	Purpose-built for <b>solar-connector assembly</b> (MC4, H4, QC4 types).	<b>General-purpose</b> torque screwdriver used across multiple trades.
<b>Design Type</b>	<b>Fixed-value torque limiter</b> factory-set to 3.5 Nm for solar connectors.	<b>Adjustable torque screwdriver</b> user-settable range (typically 0.3 – 6 Nm).
<b>Adjustability</b>	<b>Not adjustable</b> → eliminates operator error, guarantees correct torque every time.	<b>Adjustable</b> → risk of mis-setting torque, requires training and calibration verification.
<b>Weight</b>	<b>Lightweight, compact aluminum body (lighter)</b> than pistol-grip drivers with all required attachments	<b>Heavier</b> pistol-grip body with steel housing and trigger mechanism.
<b>Component Count</b>	<b>Minimal moving parts</b> → fewer failure points, long-term reliability.	Complex internal clutch and trigger system → <b>more parts</b> to wear or misalign.

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<b>Size &amp; Form Factor</b>	<b>Smaller and more compact</b> easy to store in field toolkits and tight rooftops.	<b>Bulky pistol-grip handle</b> less ideal for confined PV installation areas.
<b>Calibration &amp; Accuracy</b>	Factory-calibrated and <b>ISO/IEC 17025 verified ± 4 % accuracy, &lt; 2 % repeatability.</b>	Typically ± 6 % per ISO 6789 standard; <b>repeatability varies</b> by user setting.
<b>Operation</b>	<b>Self-contained</b> , no batteries, triggers, or interchangeable heads needed.	<b>Requires compatible ¼-inch hex bits</b> or optional interchangeable bit holders.
<b>Maintenance</b>	<b>Virtually maintenance-free</b> recalibration recommended every 12 months.	<b>Requires</b> periodic calibration and <b>lubrication</b> of trigger clutch assembly.
<b>Durability</b>	Machined from <b>high-durability anodized aluminum.</b>	<b>Molded polymer</b> pistol grip with metal internals.
<b>Cost</b>	<b>Lower cost</b> with no additional components required	<b>Higher cost</b> due to adjustable mechanism and pistol-grip assembly and requires additional components
<b>Ease of Use</b>	<b>Single-purpose simplicity</b> insert, tighten, click, done.	Multiple adjustment steps and verification before each use.
<b>Additional Parts Required</b>	<b>None</b> , fully self-contained.	<b>Requires</b> separate interchangeable bits or adapters.
<b>Certifications</b>	ISO/IEC 17025 & ANSI/NCSL Z540-1 calibrated; meets ISO 6789-1 accuracy.	ISO 6789-1 compliant; <b>no UL listing</b> found.
<b>Best For</b>	Solar professionals needing consistent, reliable connector assembly torque.	General technicians needing adjustable torque across multiple applications.

### In short:

The SCAT 3.5 Nm Torque Limiter delivers precision, simplicity, and value in one compact tool — purpose-engineered for the solar industry, not repurposed from general manufacturing.